

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062320\
 Data File : VN062045.D
 Acq On : 23 Jun 2020 16:36
 Operator : JC/MD
 Sample : VN0623WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0623WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:59:14 AM

Quant Time: Jun 24 01:51:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	155489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	271166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	256073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	118129	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	109144	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
35) Dibromofluoromethane	7.55	113	88884	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
50) Toluene-d8	10.06	98	338750	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
62) 4-Bromofluorobenzene	12.37	95	118552	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	38068	18.998	ug/l	98
3) Chloromethane	2.03	50	38202	17.700	ug/l	100
4) Vinyl Chloride	2.16	62	46713	18.156	ug/l	97
5) Bromomethane	2.53	94	31099	15.740	ug/l	99
6) Chloroethane	2.67	64	33155	19.040	ug/l	100
7) Trichlorofluoromethane	2.98	101	66283	21.567	ug/l	97
8) Diethyl Ether	3.37	74	23096	22.354	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	33175	21.041	ug/l	99
10) Methyl Iodide	3.90	142	31567	20.143	ug/l	98
11) Tert butyl alcohol	4.73	59	33613	116.482	ug/l #	90
12) 1,1-Dichloroethene	3.69	96	30898	19.558	ug/l	98
13) Acrolein	3.57	56	11041	64.017	ug/l	99
14) Allyl chloride	4.27	41	44900	21.414	ug/l	98
15) Acrylonitrile	4.93	53	84945	118.800	ug/l	97
16) Acetone	3.77	43	69746	113.229	ug/l	99
17) Carbon Disulfide	4.01	76	71695	15.510	ug/l	97
18) Methyl Acetate	4.28	43	42462	23.944	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	117049	22.252	ug/l	99
20) Methylene Chloride	4.50	84	40299	20.081	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	34375	18.943	ug/l	97
22) Diisopropyl ether	5.90	45	108808	22.690	ug/l	99
23) Vinyl Acetate	5.84	43	423117	112.183	ug/l	97
24) 1,1-Dichloroethane	5.80	63	67441	21.484	ug/l	96
25) 2-Butanone	6.78	43	105983	117.929	ug/l	99
26) 2,2-Dichloropropane	6.77	77	56051	21.223	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	42859	20.469	ug/l	96
28) Bromochloromethane	7.15	49	28426	20.337	ug/l	94
29) Tetrahydrofuran	7.17	42	69551	117.595	ug/l	97
30) Chloroform	7.33	83	69345	20.669	ug/l	96
31) Cyclohexane	7.61	56	50748	18.467	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	57494	20.122	ug/l	99
36) 1,1-Dichloropropene	7.75	75	48137	19.462	ug/l	98
37) Ethyl Acetate	6.88	43	45980	23.806	ug/l	98
38) Carbon Tetrachloride	7.73	117	46998	19.188	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	49650	18.643	ug/l	97
40) Benzene	8.00	78	153017	20.423	ug/l	98
41) Methacrylonitrile	7.13	41	18396m	22.274	ug/l	
42) 1,2-Dichloroethane	8.08	62	55838	21.857	ug/l	97
43) Isopropyl Acetate	8.12	43	76192	23.408	ug/l #	91
44) Trichloroethene	8.80	130	38166	19.356	ug/l	99
45) 1,2-Dichloropropane	9.08	63	40663	22.085	ug/l	98
46) Dibromomethane	9.17	93	27436	21.160	ug/l	98
47) Bromodichloromethane	9.37	83	57293	21.580	ug/l	99
48) Methyl methacrylate	9.17	41	32882	22.214	ug/l	98
49) 1,4-Dioxane	9.16	88	14327	421.580	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	226384	117.697	ug/l	99
52) Toluene	10.12	92	95687	20.336	ug/l	96
53) t-1,3-Dichloropropene	10.35	75	61179	21.707	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	65266	21.320	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	41451	22.390	ug/l	99
56) Ethyl methacrylate	10.40	69	54239	20.969	ug/l	98
57) 1,3-Dichloropropane	10.68	76	70233	22.393	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	101642	104.027	ug/l	96
59) 2-Hexanone	10.72	43	160127	112.023	ug/l	99
60) Dibromochloromethane	10.87	129	43135	20.881	ug/l	99
61) 1,2-Dibromoethane	10.98	107	41027	21.223	ug/l	99
64) Tetrachloroethene	10.60	164	31703	19.424	ug/l	96
65) Chlorobenzene	11.40	112	105681	19.558	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	38714	20.543	ug/l	98
67) Ethyl Benzene	11.48	91	182096	20.100	ug/l	100
68) m/p-Xylenes	11.59	106	139606	39.964	ug/l	97
69) o-Xylene	11.92	106	67239	20.173	ug/l	99
70) Styrene	11.94	104	112512	20.160	ug/l	100
71) Bromoform	12.10	173	27964	20.351	ug/l #	99
73) Isopropylbenzene	12.22	105	177075	21.094	ug/l	99
74) N-amyl acetate	12.04	43	60979	21.894	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	60405	22.133	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	50174m	21.634	ug/l	
77) Bromobenzene	12.50	156	43512	20.546	ug/l	97
78) n-propylbenzene	12.56	91	201539	21.041	ug/l	100
79) 2-Chlorotoluene	12.65	91	121913	21.192	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	146174	21.048	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	18127	21.318	ug/l	97
82) 4-Chlorotoluene	12.75	91	123075	20.705	ug/l	99
83) tert-Butylbenzene	12.97	119	125226	21.269	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	145364	21.204	ug/l	99
85) sec-Butylbenzene	13.15	105	164772	21.382	ug/l	98
86) p-Isopropyltoluene	13.26	119	146163	21.285	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	76588	19.828	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	75901	19.197	ug/l	97
89) n-Butylbenzene	13.59	91	115495	20.139	ug/l	98
90) Hexachloroethane	13.85	117	26595	21.158	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	76403	20.547	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	9861	22.256	ug/l	92

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ClientSampleId :
VN0623WBSD01

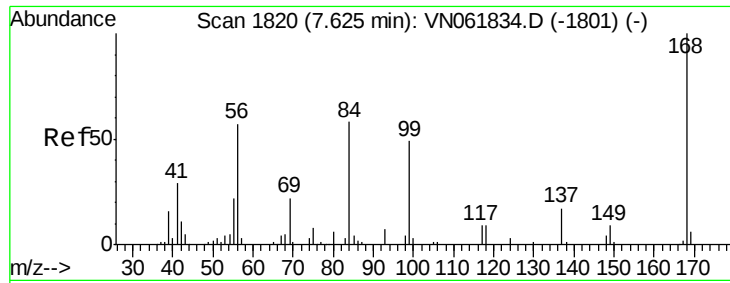
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	33522	19.104	ug/l	100
94) Hexachlorobutadiene	14.98	225	14673	21.232	ug/l	98
95) Naphthalene	15.10	128	96464	18.756	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	34185	19.672	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBSD01

Tot Ion:168 Resp: 155489

Ion Ratio Lower Upper

168 100

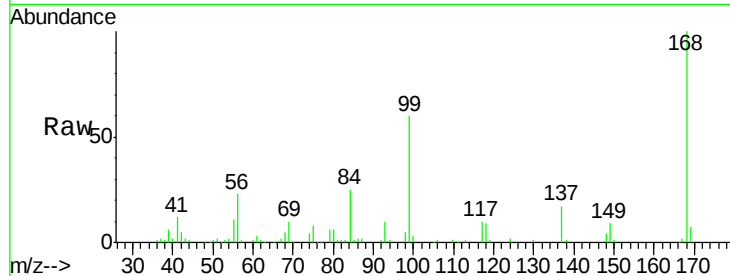
99 59.3 44.6 67.0

Manual Integrations

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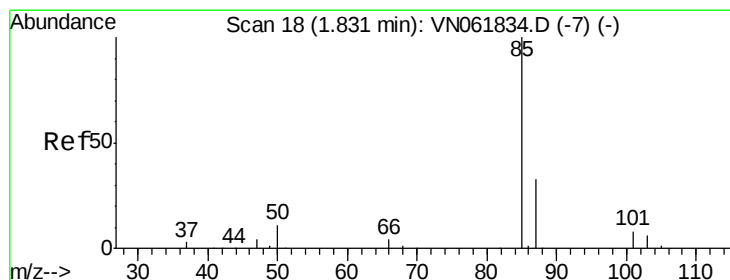
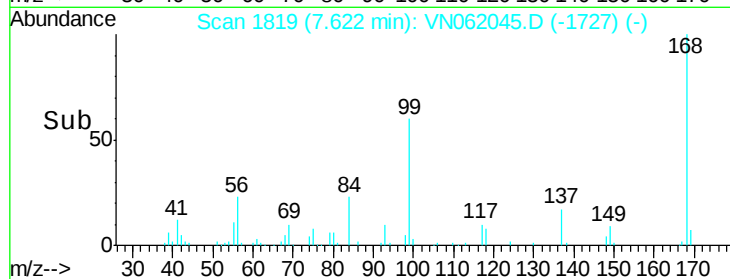
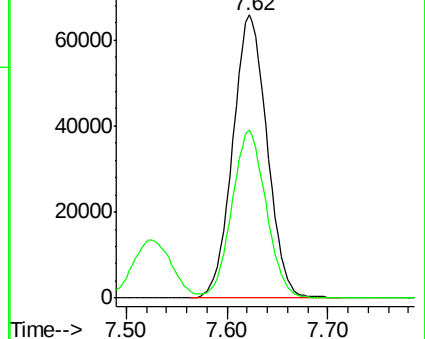
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.998 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062045.D

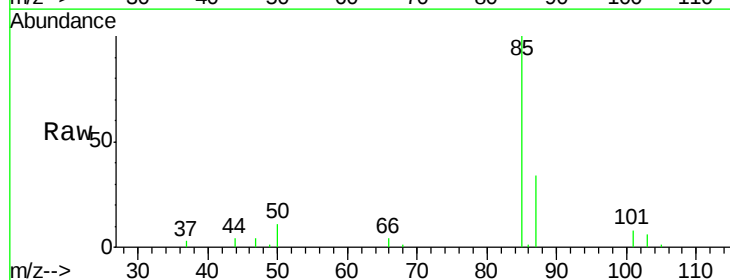
Acq: 23 Jun 2020 16:36

Tgt Ion: 85 Resp: 38068

Ion Ratio Lower Upper

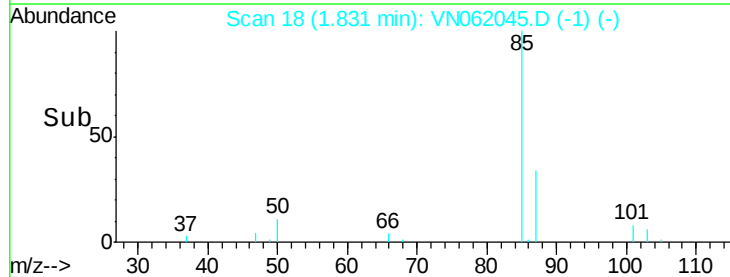
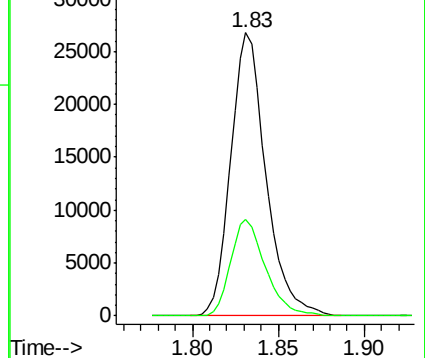
85 100

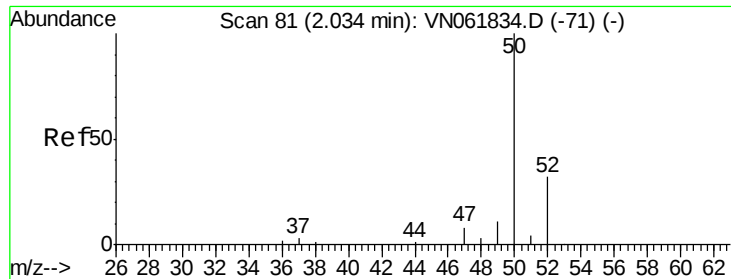
87 34.3 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.700 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBSD01

Tot Ion: 50 Resp: 38202

Ion Ratio Lower Upper

50 100

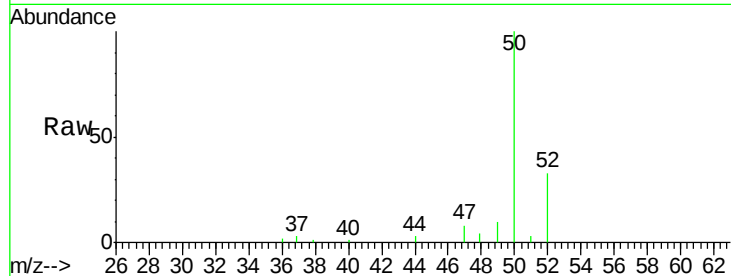
52 32.7 26.0 39.0

Manual Integrations

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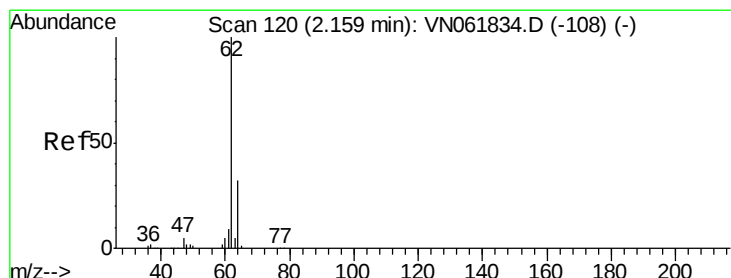
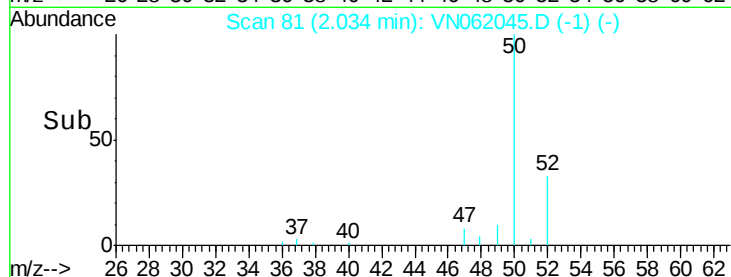
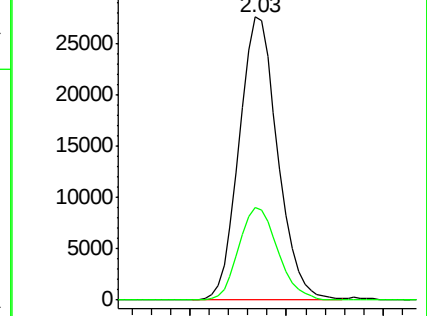
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.156 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062045.D

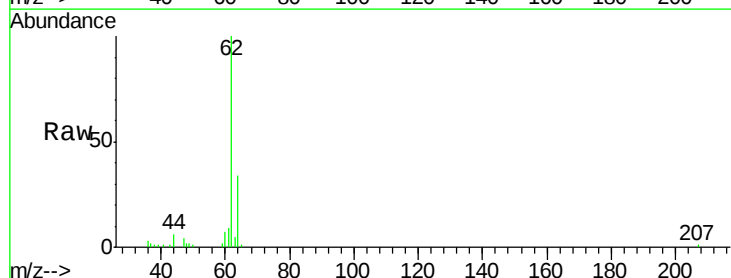
Acq: 23 Jun 2020 16:36

Tgt Ion: 62 Resp: 46713

Ion Ratio Lower Upper

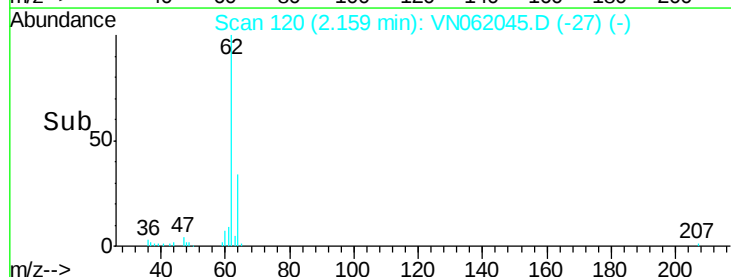
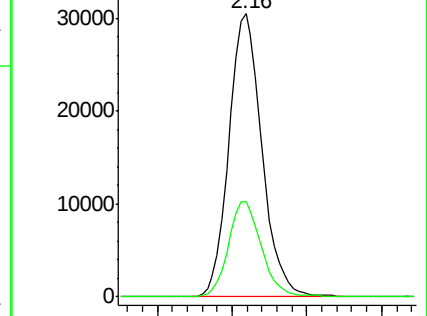
62 100

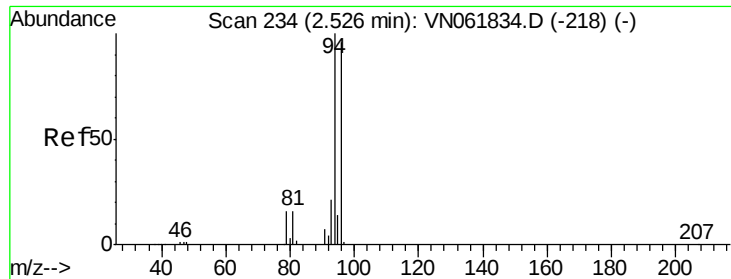
64 33.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 15.740 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBSD01

Tot Ion: 94 Resp: 31099

Ion Ratio Lower Upper

94 100

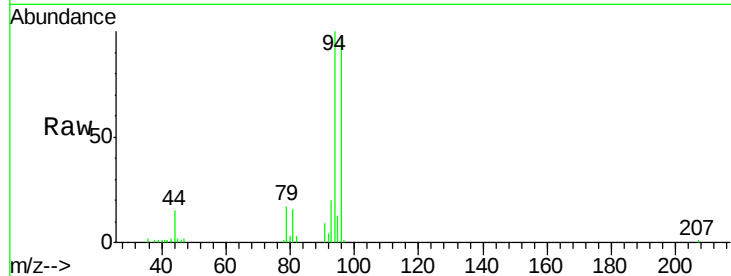
96 96.8 76.7 115.1

Manual Integrations

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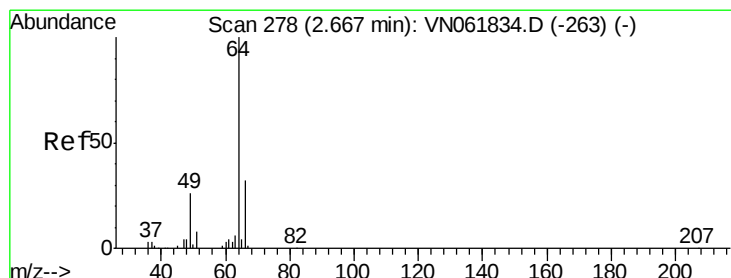
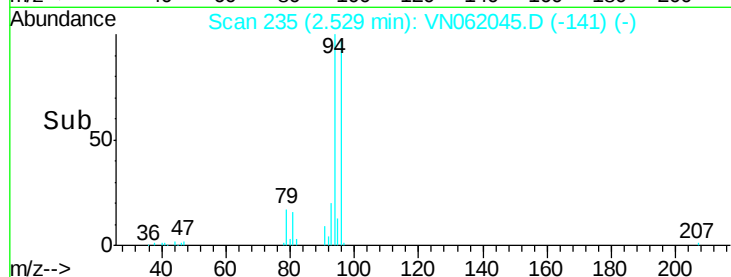
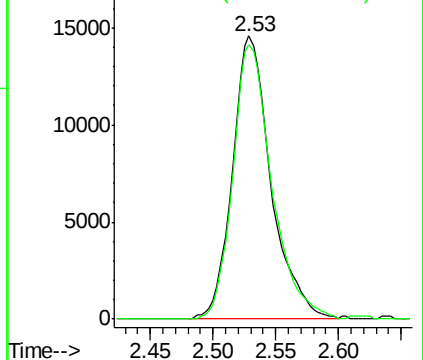
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.040 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN062045.D

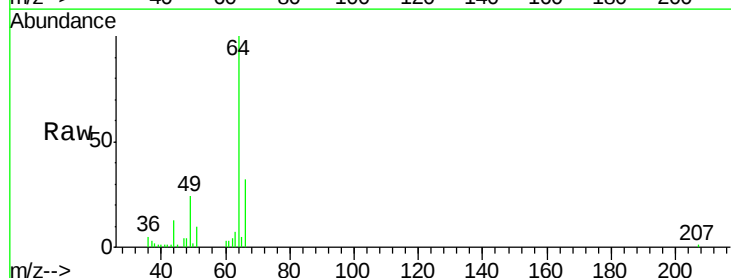
Acq: 23 Jun 2020 16:36

Tgt Ion: 64 Resp: 33155

Ion Ratio Lower Upper

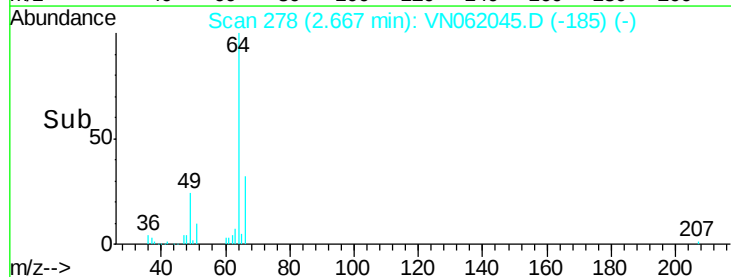
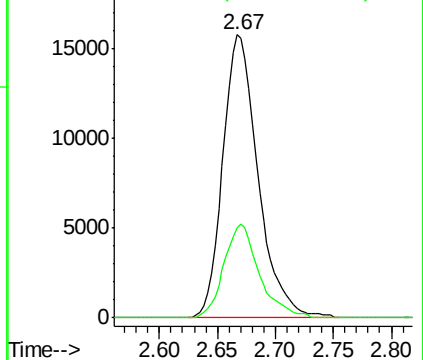
64 100

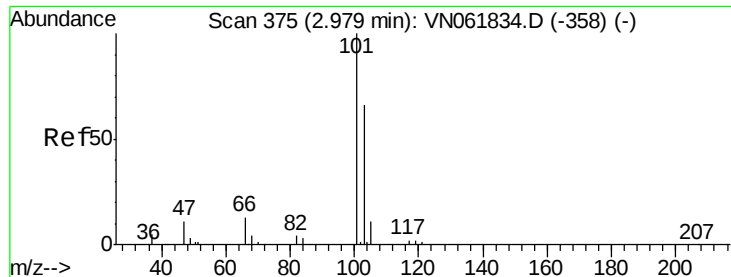
66 31.7 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

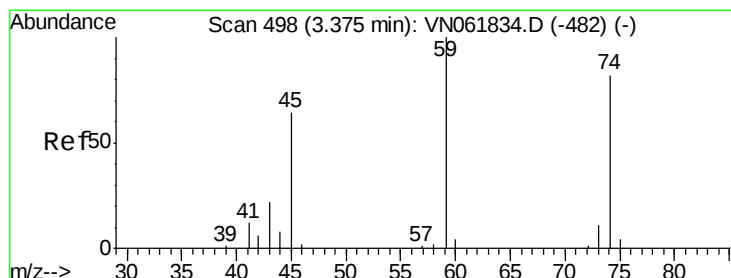
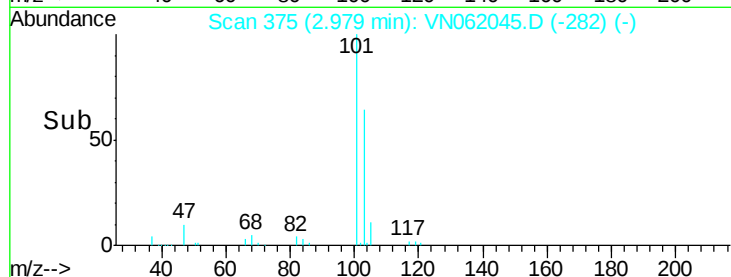
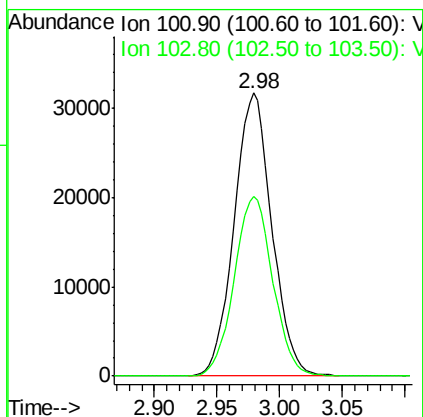
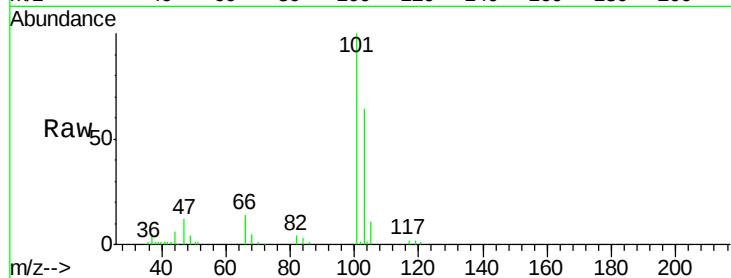
Trichlorofluoromethane
Concen: 21.567 ug/l
RT: 2.98 min Scan# 375
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Instrument :
MSVOA_N
ClientSampled :
VN0623WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.8	79.2

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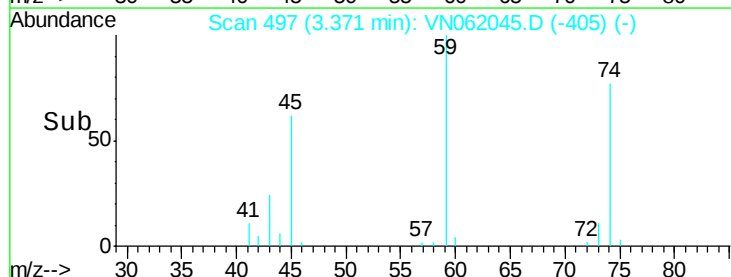
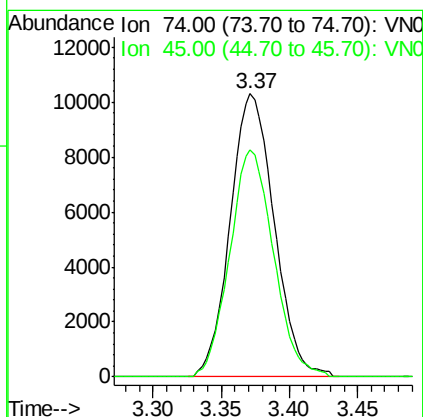
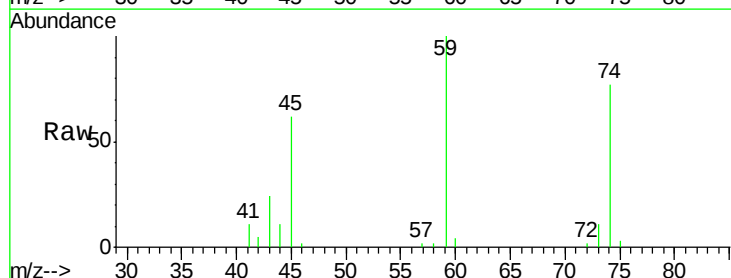
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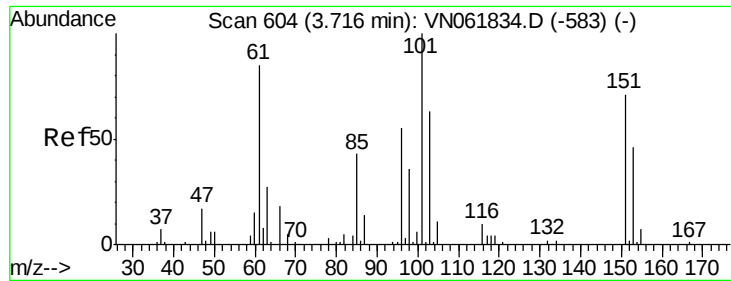


#8

Diethyl Ether
Concen: 22.354 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.8	39.1	117.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.041 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

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MSVOA_N

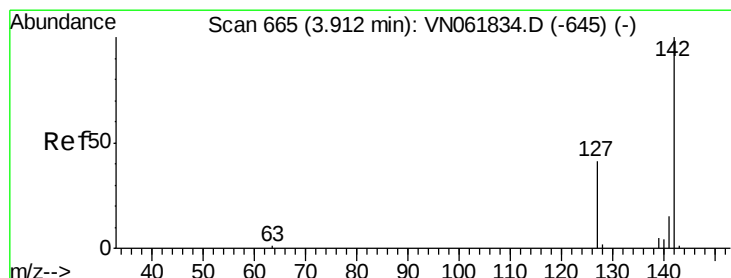
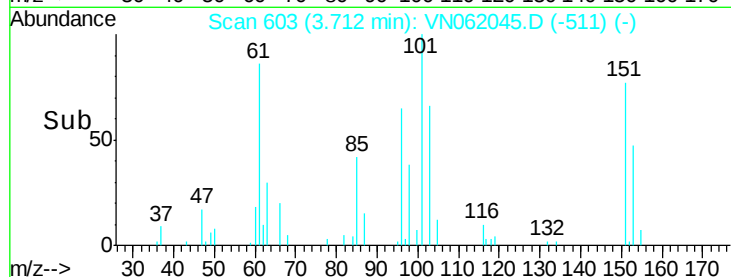
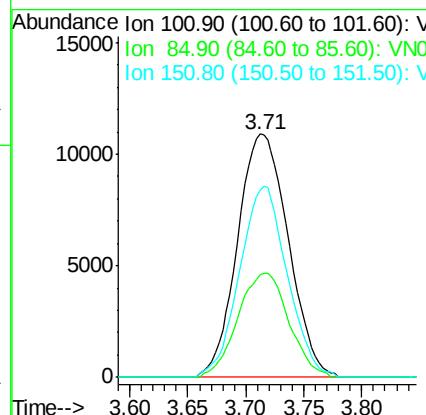
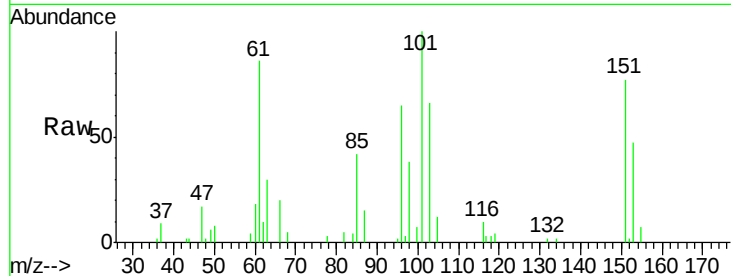
ClientSampleId :

VN0623WBSD01

Tot Ion:	101	Resp:	33175
Ion Ratio	Lower	Upper	
101	100		
85	42.9	35.0	52.6
151	73.7	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 20.143 ug/l

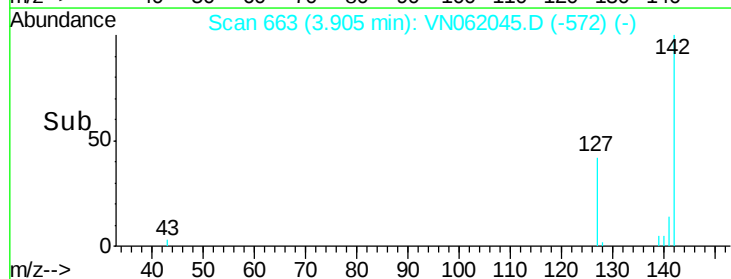
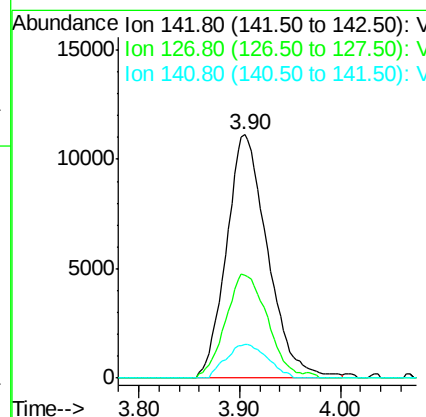
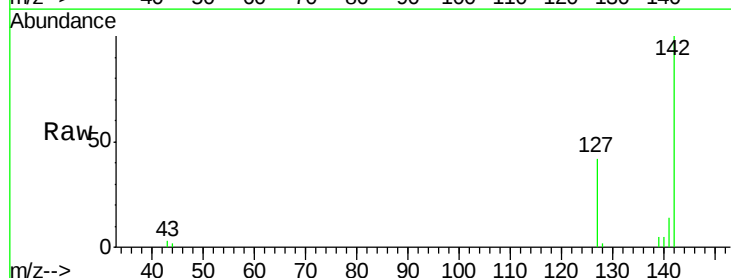
RT: 3.90 min Scan# 663

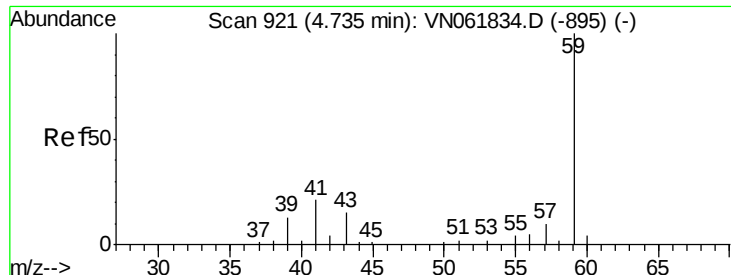
Delta R.T. -0.01 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Tgt Ion:	142	Resp:	31567
Ion Ratio	Lower	Upper	
142	100		
127	43.2	33.4	50.0
141	13.9	11.3	16.9





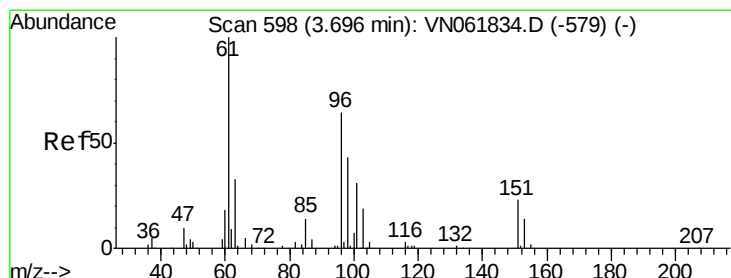
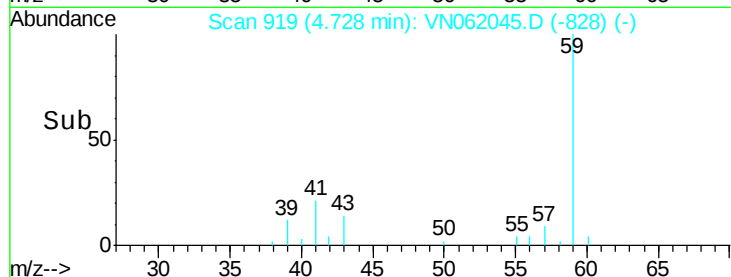
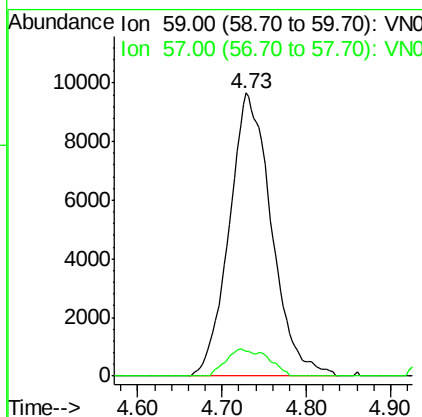
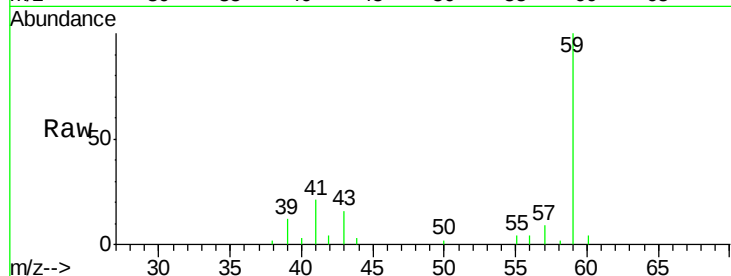
#11
Tert butyl alcohol
Concen: 116.482 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.01 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBSD01

Tot Ion: 59 Resp: 33613
Ion Ratio Lower Upper
59 100
57 5.9 7.7 11.5#

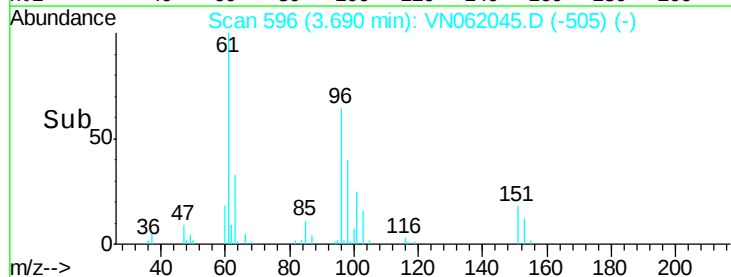
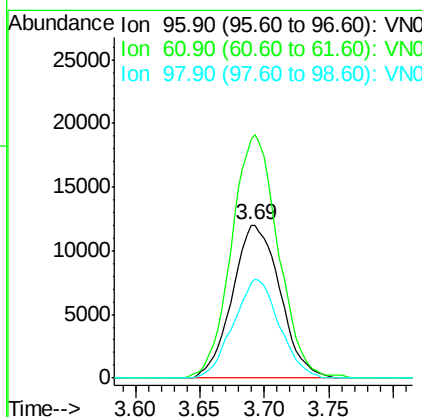
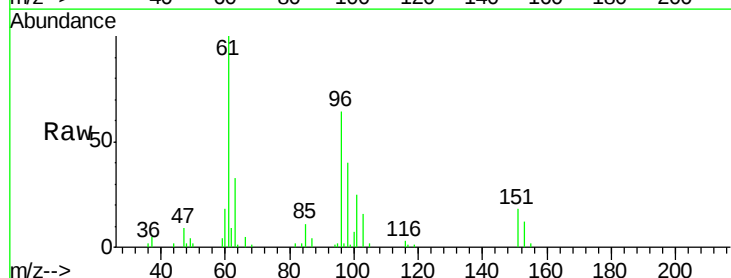
Manual Integrations
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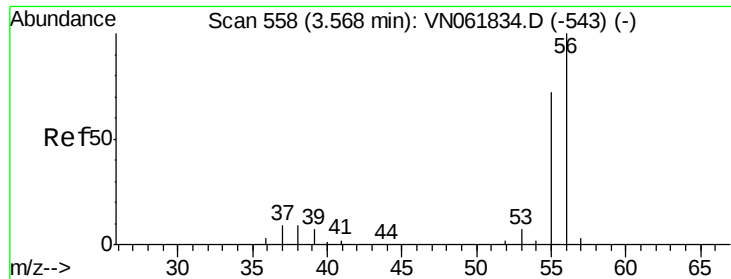
MMDadoda
6/24/2020 10:59:14 AM



#12
1,1-Dichloroethene
Concen: 19.558 ug/l
RT: 3.69 min Scan# 596
Delta R.T. -0.01 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Tgt Ion: 96 Resp: 30898
Ion Ratio Lower Upper
96 100
61 154.7 124.3 186.5
98 62.0 53.1 79.7





#13

Acrolein

Concen: 64.017 ug/l

RT: 3.57 min Scan# 558

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBSD01

Tot Ion: 56 Resp: 11041

Ion Ratio Lower Upper

56 100

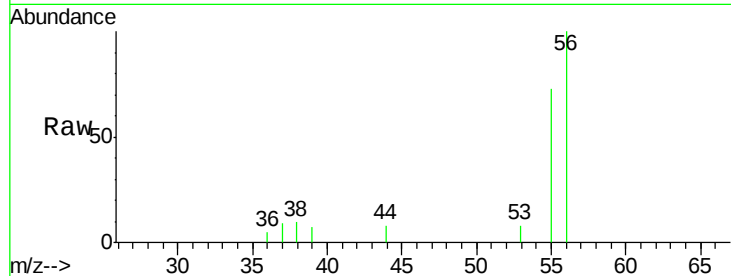
55 69.8 56.2 84.4

Manual Integrations

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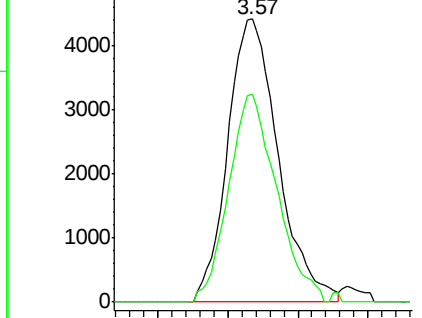
MMDadoda

6/24/2020 10:59:14 AM

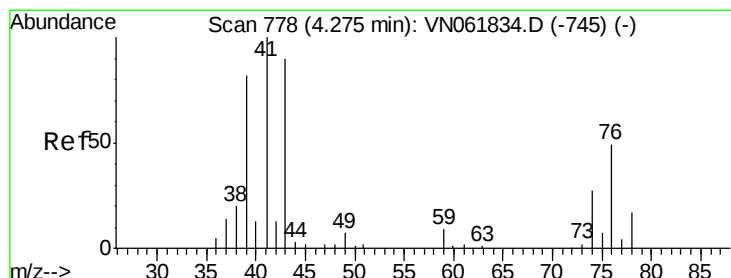
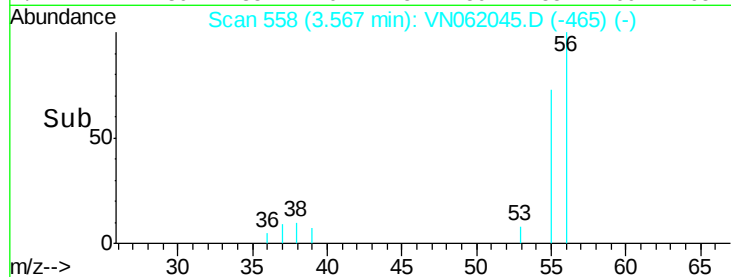


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Allyl chloride

Concen: 21.414 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

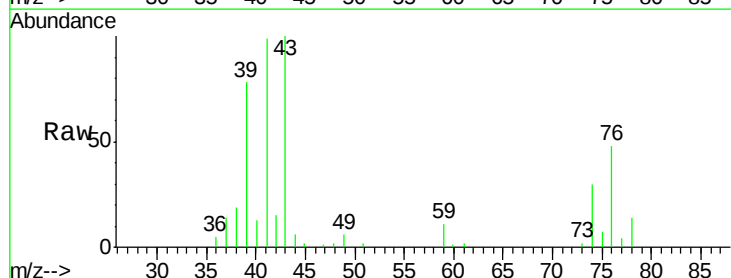
Tgt Ion: 41 Resp: 44900

Ion Ratio Lower Upper

41 100

39 75.4 60.2 90.2

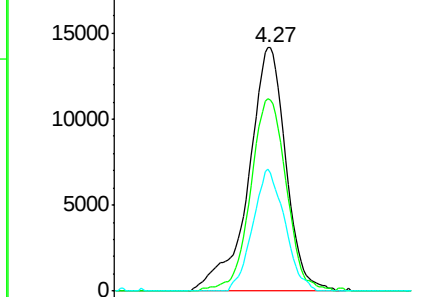
76 42.8 36.3 54.5



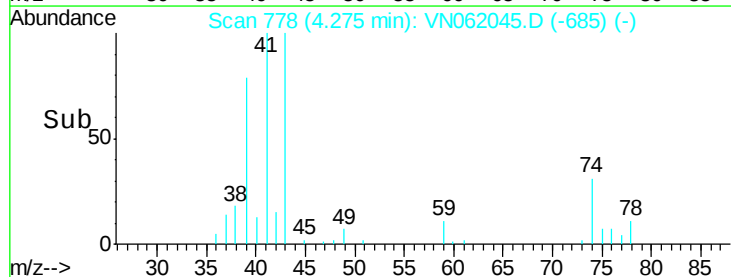
Abundance Ion 41.00 (40.70 to 41.70): VN0

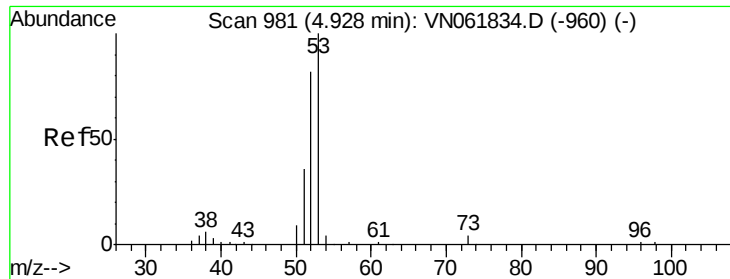
Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time-->





#15

Acrylonitrile

Concen: 118.800 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Instrument :

MSVOA_N

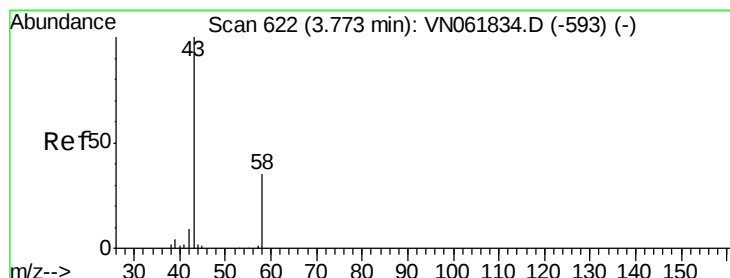
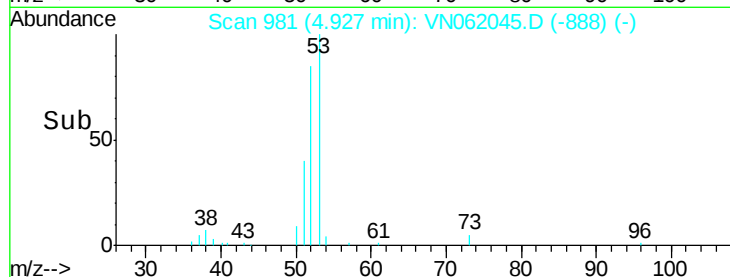
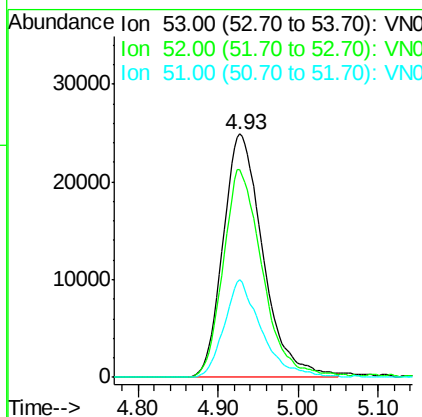
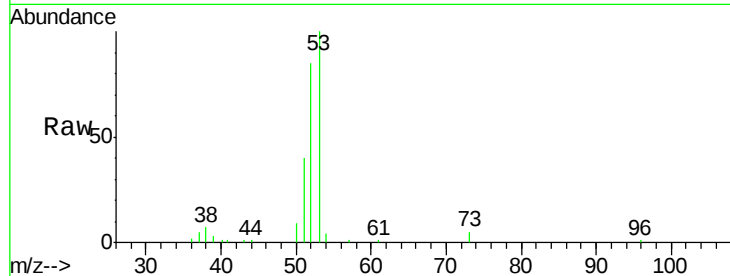
ClientSampleId :

VN0623WBSD01

Tot Ion:	53	Resp:	84945
Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.2	97.8
51	37.5	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 113.229 ug/l

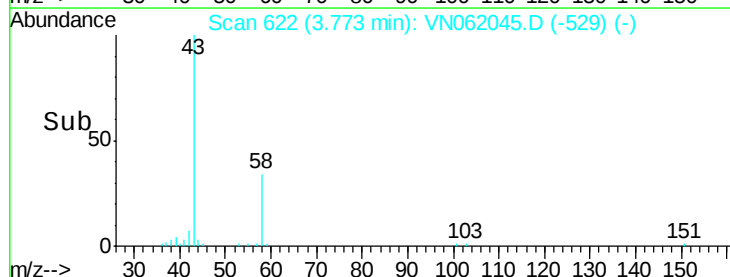
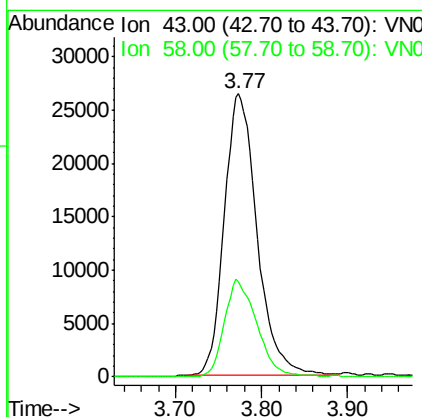
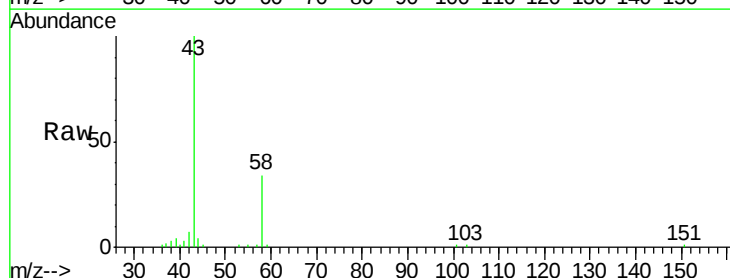
RT: 3.77 min Scan# 622

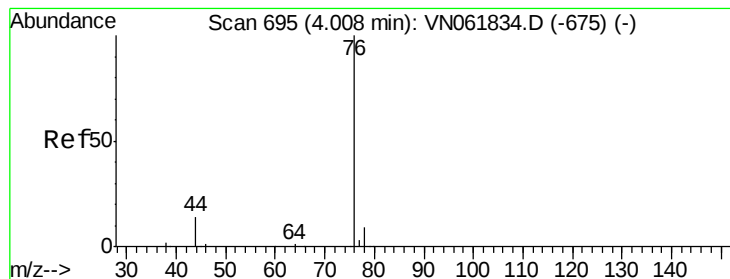
Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Tgt Ion:	43	Resp:	69746
Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.8	41.8





#17

Carbon Disulfide

Concen: 15.510 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBSD01

Tot Ion: 76 Resp: 71695

Ion Ratio Lower Upper

76 100

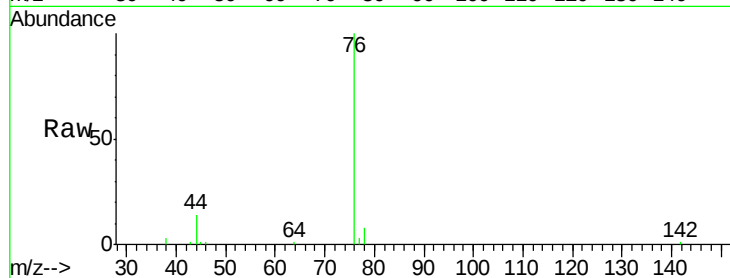
78 8.1 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN061834.D (-675) (-)

Ion 77.90 (77.60 to 78.60): VN062045.D (-602) (-)

4.01

30000

25000

20000

15000

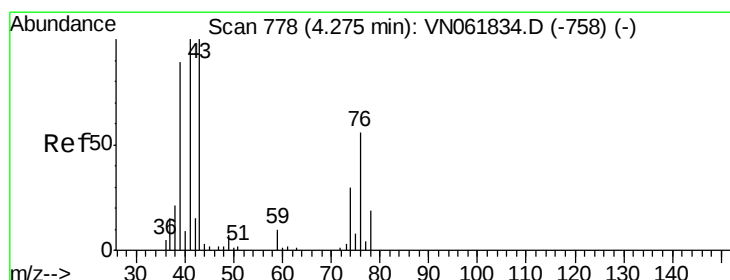
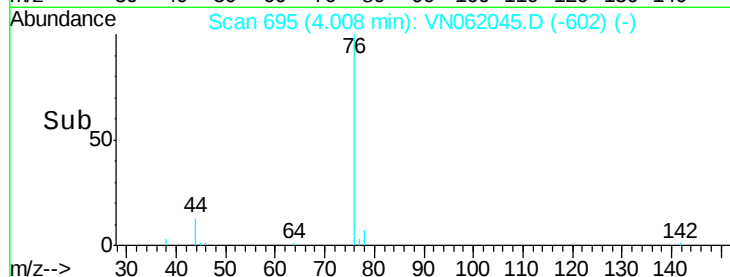
10000

5000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 23.944 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062045.D

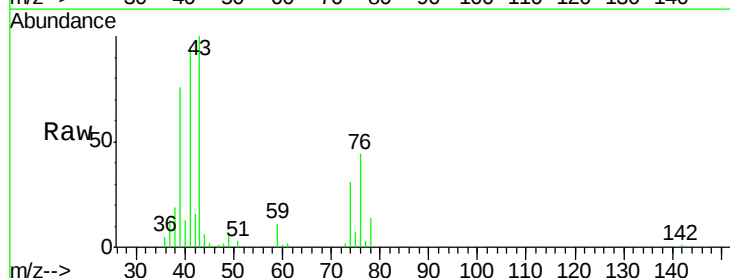
Acq: 23 Jun 2020 16:36

Tgt Ion: 43 Resp: 42462

Ion Ratio Lower Upper

43 100

74 28.4 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN062045.D (-685) (-)

4.28

15000

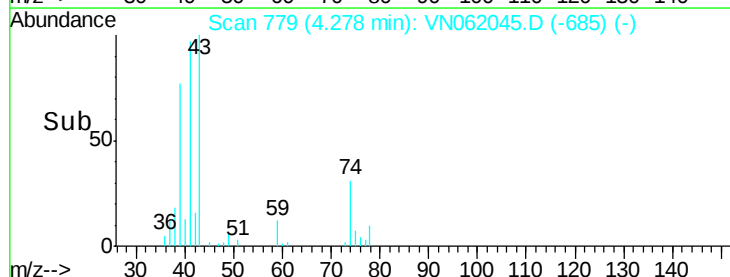
10000

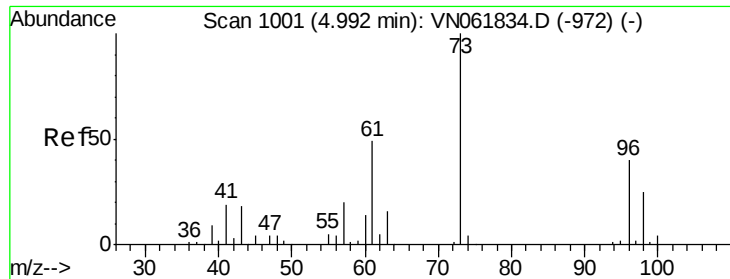
5000

0

Time-->

4.20 4.30 4.40





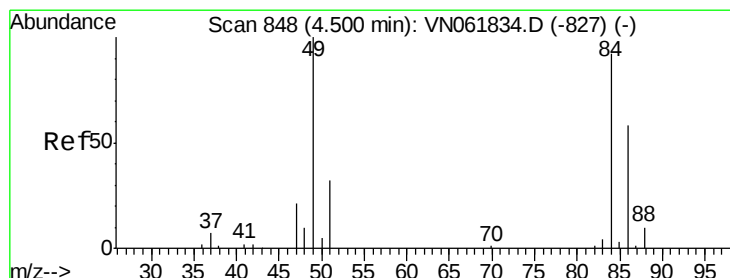
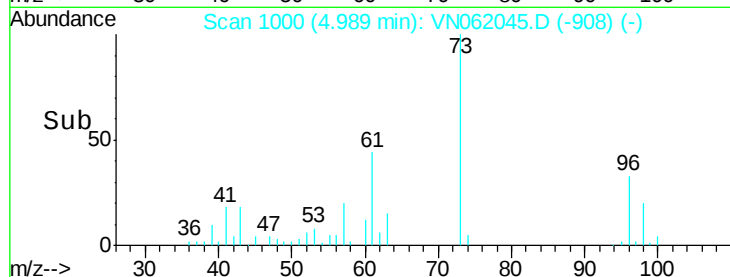
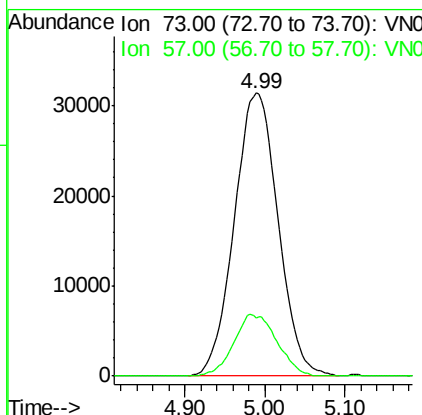
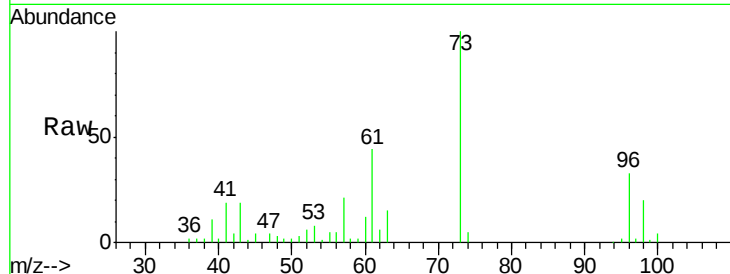
#19
Methvl tert-butvl Ether
Concen: 22.252 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBSD01

Tot Ion: 73 Resp: 117049
Ion Ratio Lower Upper
73 100
57 20.7 16.2 24.4

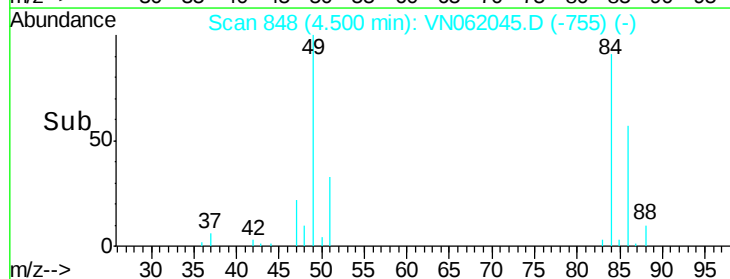
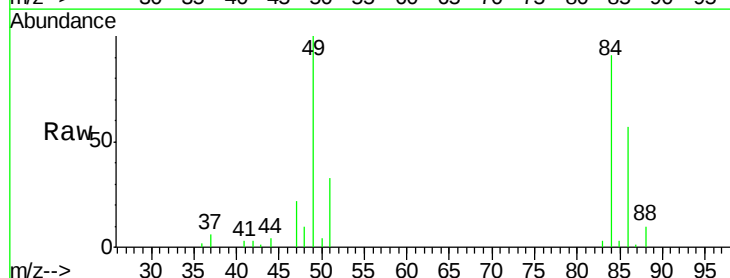
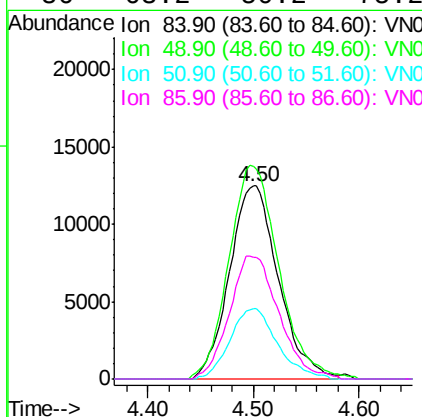
Manual Integrations
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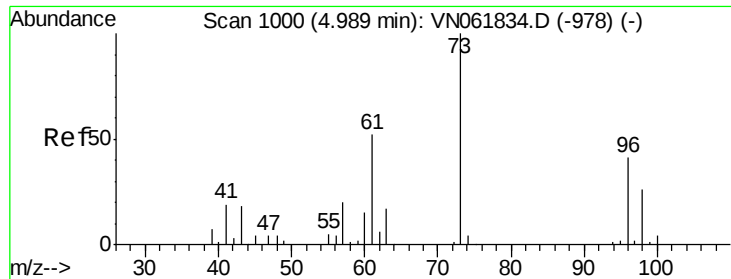
MMDadoda
6/24/2020 10:59:14 AM



#20
Methylene Chloride
Concen: 20.081 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Tgt Ion: 84 Resp: 40299
Ion Ratio Lower Upper
84 100
49 110.1 87.0 130.4
51 36.8 27.8 41.6
86 63.2 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 18.943 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Instrument :

MSVOA_N

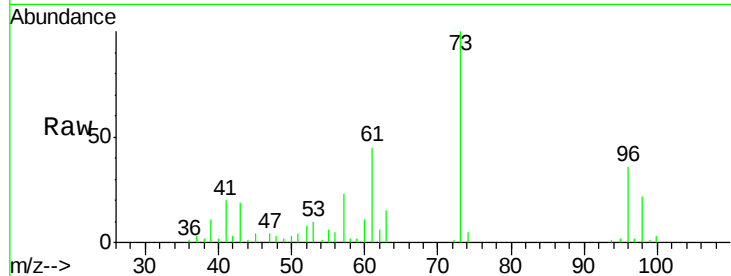
ClientSampled :

VN0623WBSD01

Tot Ion:	96	Resp:	34375
Ion	Ratio	Lower	Upper
96	100		
61	124.5	102.2	153.4
98	60.3	51.2	76.8

Manual Integrations
APPROVED

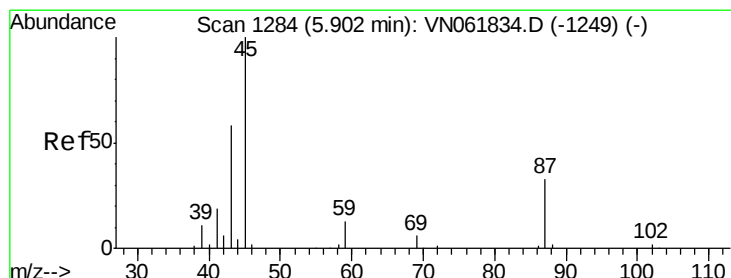
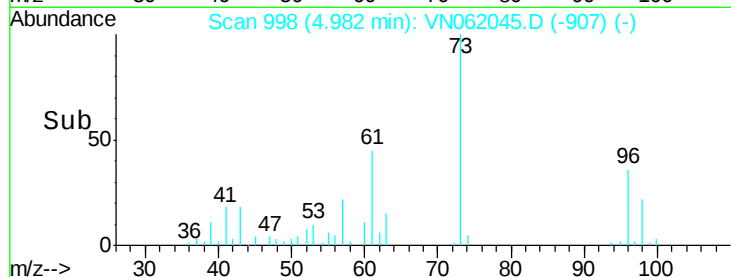
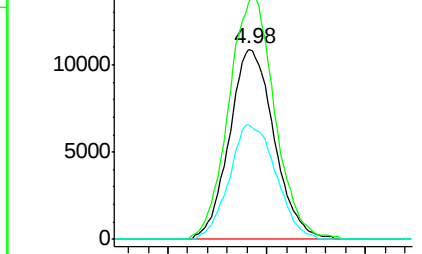
MMDadoda
6/24/2020 10:59:14 AM



Abundance Ion 95.90 (95.60 to 96.60): VN061834.D (-978) (-)

Ion 60.90 (60.60 to 61.60): VN061834.D (-978) (-)

Ion 97.90 (97.60 to 98.60): VN061834.D (-978) (-)



#22

Diisopropyl ether

Concen: 22.690 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

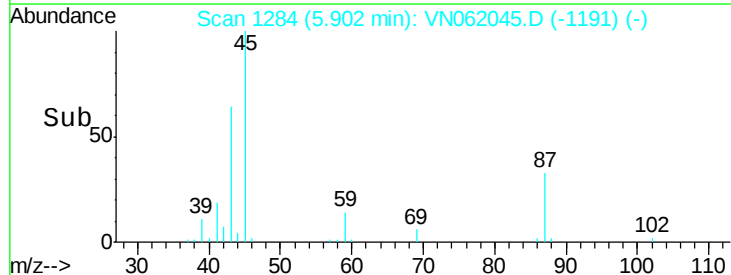
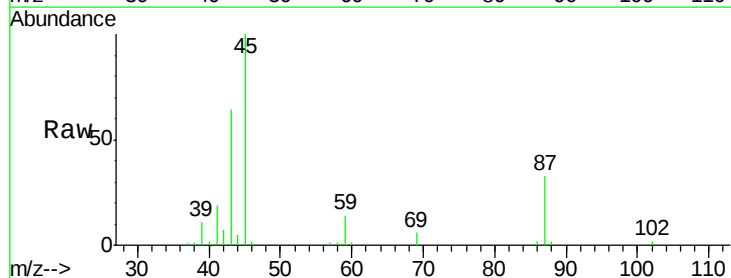
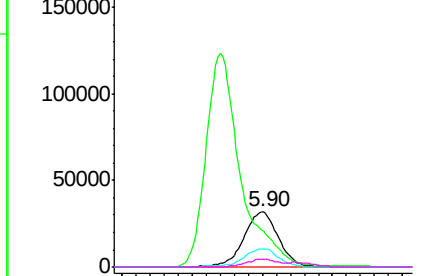
Tgt Ion:	45	Resp:	108808
Ion	Ratio	Lower	Upper
45	100		
43	61.7	49.4	74.2
87	33.2	27.4	41.0
59	14.1	10.6	15.8

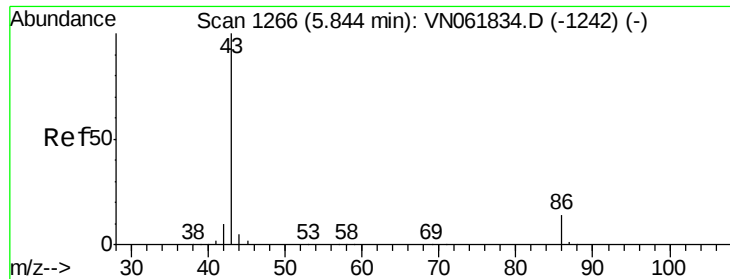
Abundance Ion 45.00 (44.70 to 45.70): VN061834.D (-1249) (-)

Ion 43.00 (42.70 to 43.70): VN061834.D (-1249) (-)

Ion 87.00 (86.70 to 87.70): VN061834.D (-1249) (-)

Ion 59.00 (58.70 to 59.70): VN061834.D (-1249) (-)





#23

Vinyl Acetate

Concen: 112.183 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Instrument :

MSVOA_N

ClientSampleID :

VN0623WBSD01

Tot Ion: 43 Resp: 423117

Ion Ratio Lower Upper

43 100

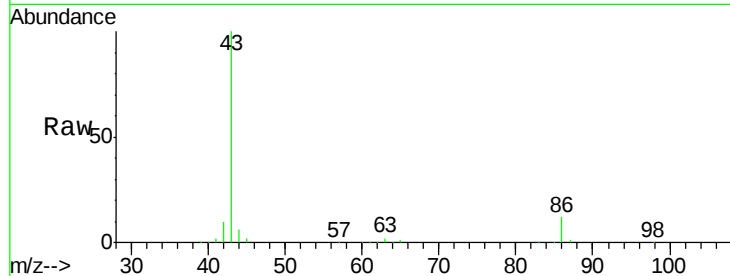
86 12.4 10.9 16.3

Manual Integrations

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MMDadoda

6/24/2020 10:59:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-1242) (-)

Ion 86.00 (85.70 to 86.70): VN061834.D (-1242) (-)

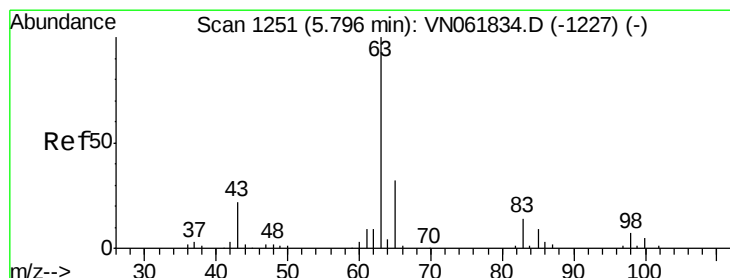
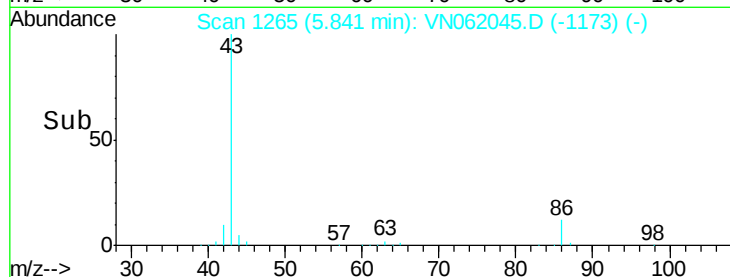
5.84

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.484 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

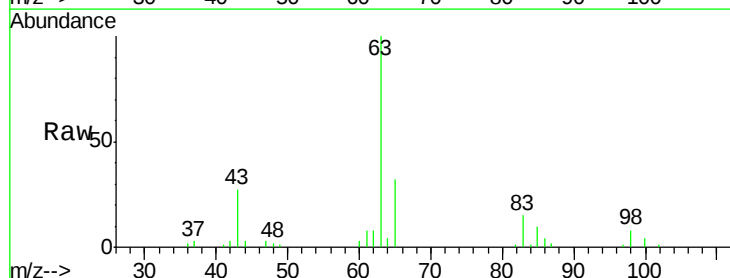
Tgt Ion: 63 Resp: 67441

Ion Ratio Lower Upper

63 100

98 8.4 3.5 10.4

100 4.0 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VN061834.D (-1227) (-)

Ion 97.90 (97.60 to 98.60): VN061834.D (-1227) (-)

Ion 99.90 (99.60 to 100.60): VN061834.D (-1227) (-)

5.80

25000

20000

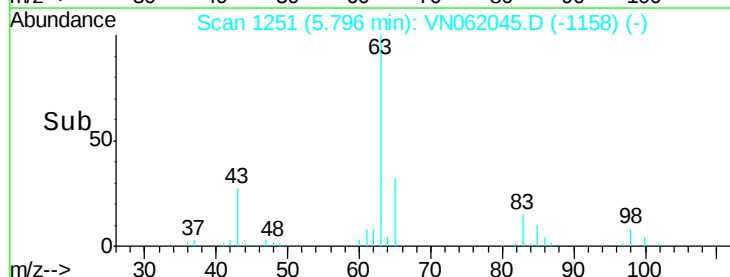
15000

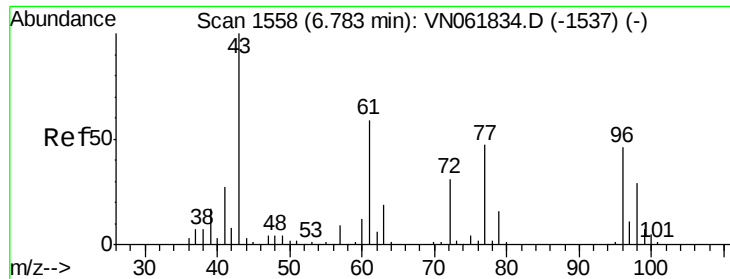
10000

5000

0

Time-->





#25

2-Butanone

Concen: 117.929 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBSD01

Tot Ion: 43 Resp: 105983

Ion Ratio Lower Upper

43 100

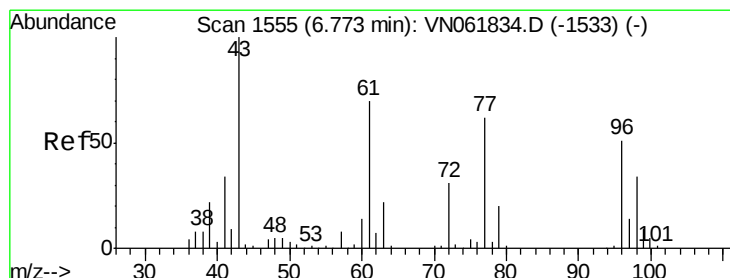
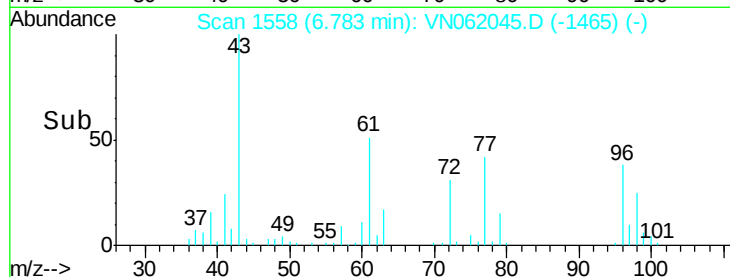
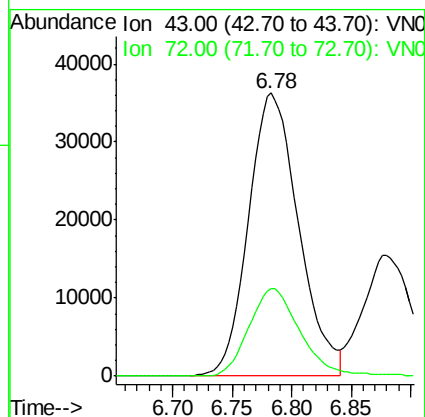
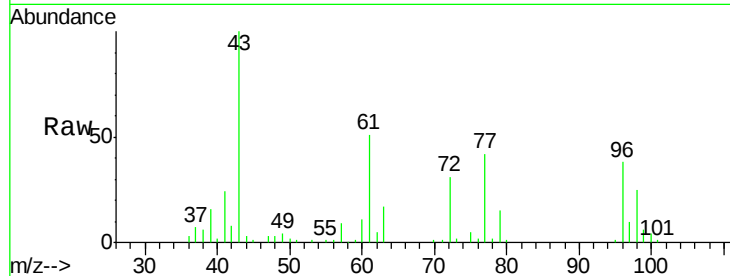
72 31.1 24.6 37.0

Manual Integrations

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MMDadoda

6/24/2020 10:59:14 AM



#26

2,2-Dichloropropane

Concen: 21.223 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062045.D

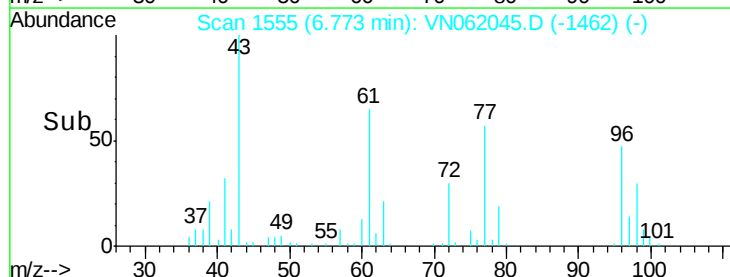
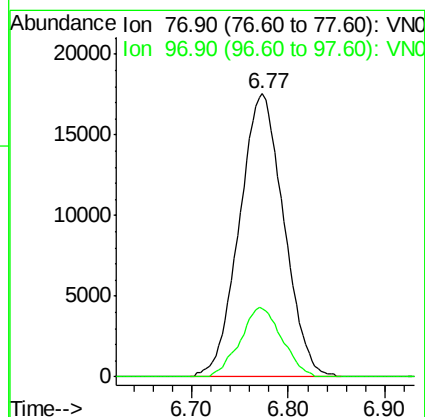
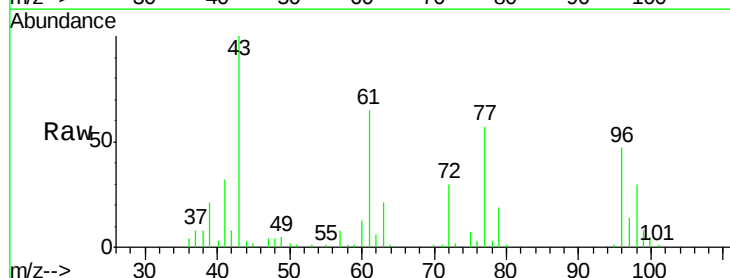
Acq: 23 Jun 2020 16:36

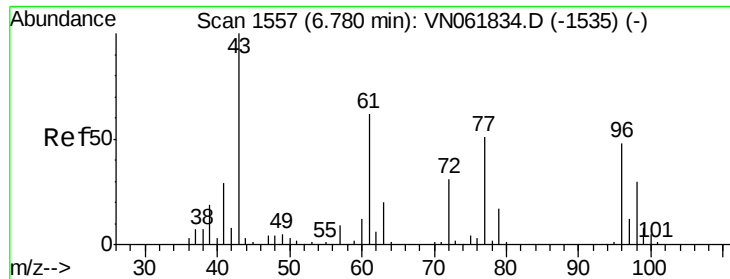
Tgt Ion: 77 Resp: 56051

Ion Ratio Lower Upper

77 100

97 23.0 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 20.469 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBSD01

Tot Ion: 96 Resp: 42859

Ion Ratio Lower Upper

96 100

61 137.5 0.0 265.6

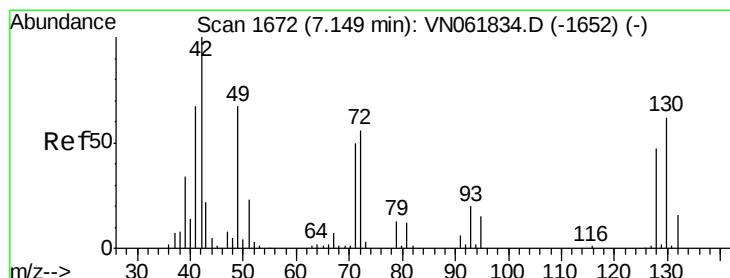
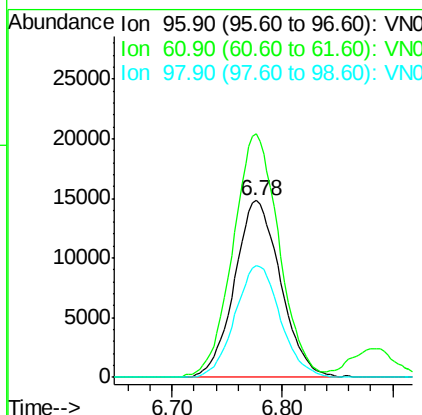
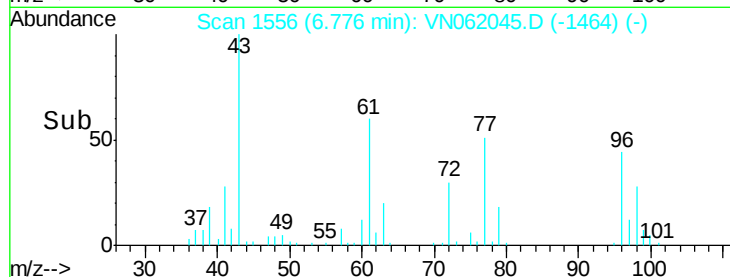
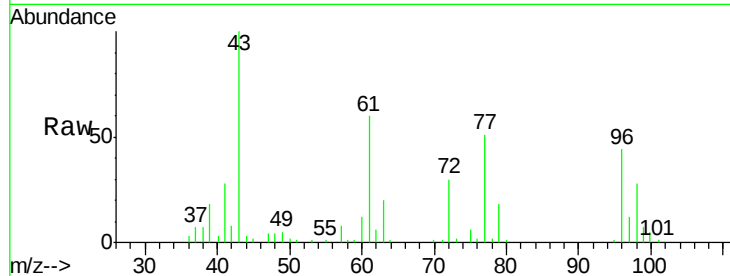
98 61.9 0.0 128.2

Manual Integrations

APPROVED

MMDadoda

6/24/2020 10:59:14 AM



#28

Bromochloromethane

Concen: 20.337 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

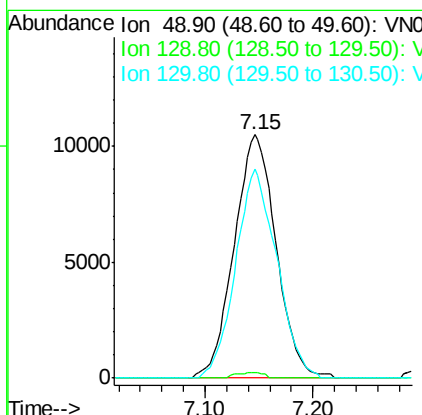
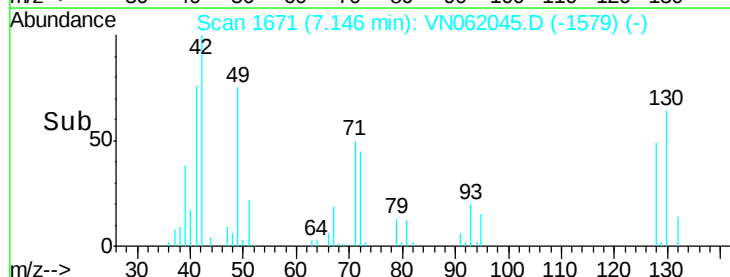
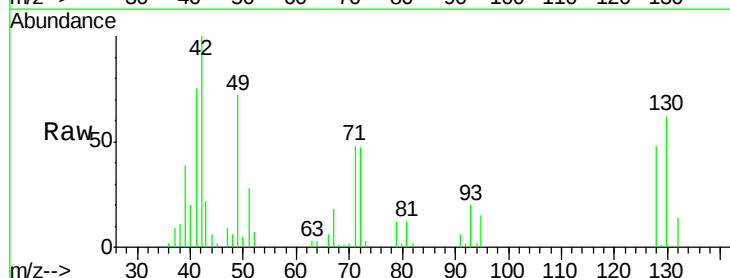
Tgt Ion: 49 Resp: 28426

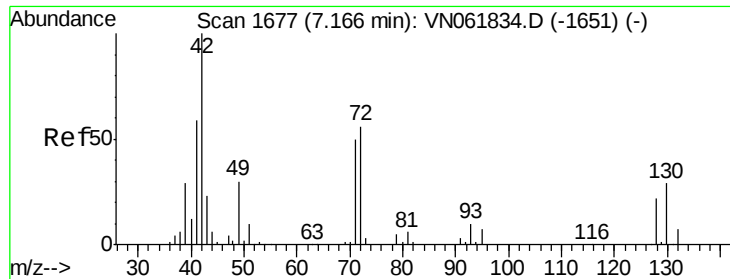
Ion Ratio Lower Upper

49 100

129 1.4 0.0 4.0

130 84.3 72.2 108.2





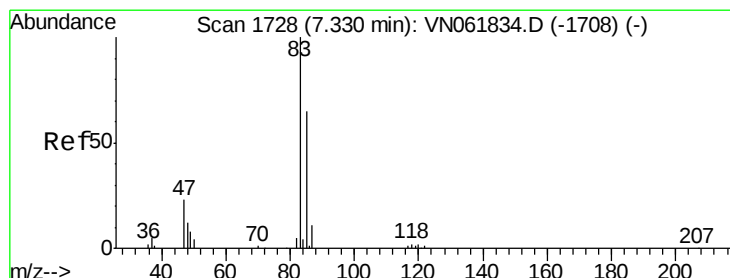
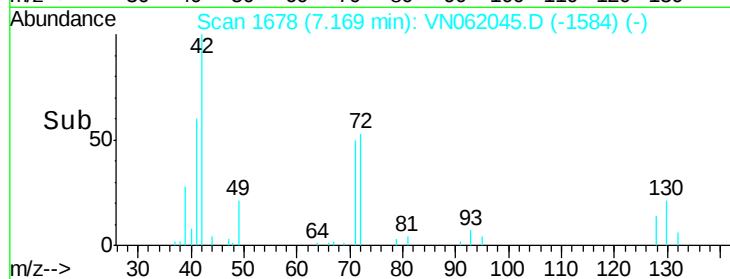
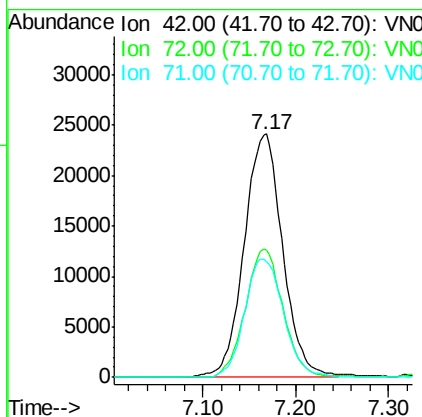
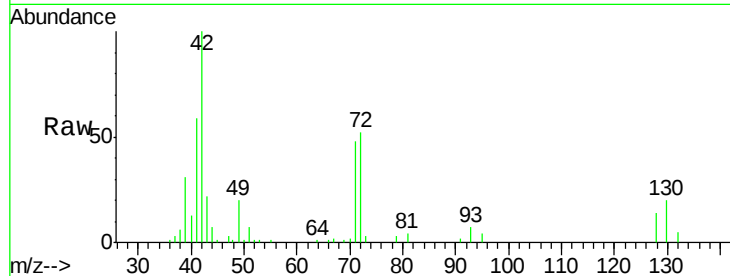
#29
Tetrahydrofuran
Concen: 117.595 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.2	44.0	66.0
71	49.1	40.0	60.0

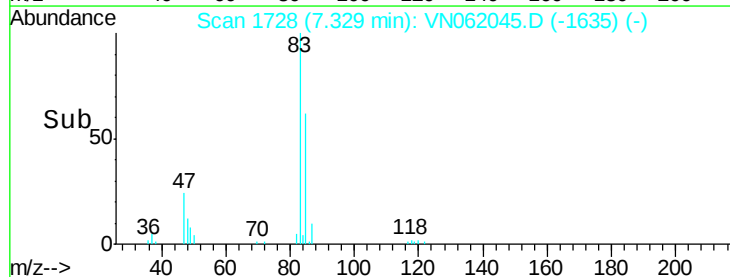
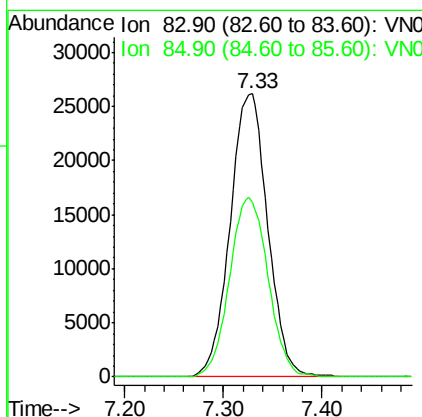
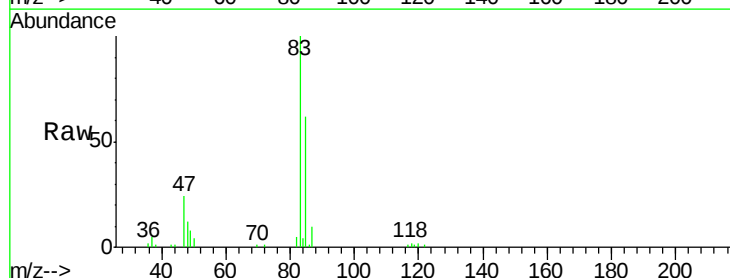
Manual Integrations
APPROVED

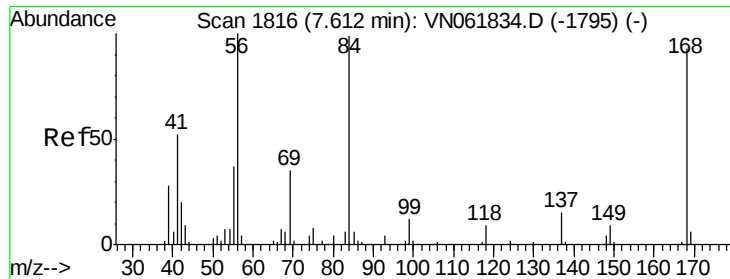
MMDadoda
6/24/2020 10:59:14 AM



#30
Chloroform
Concen: 20.669 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	52.0	78.0





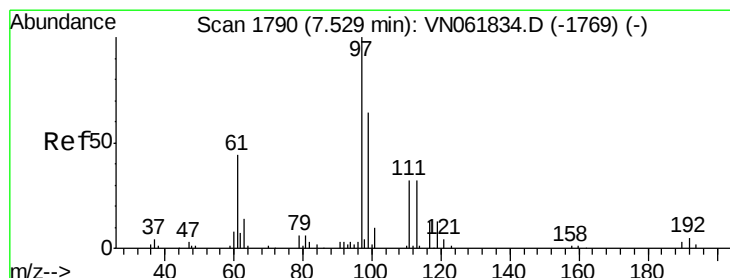
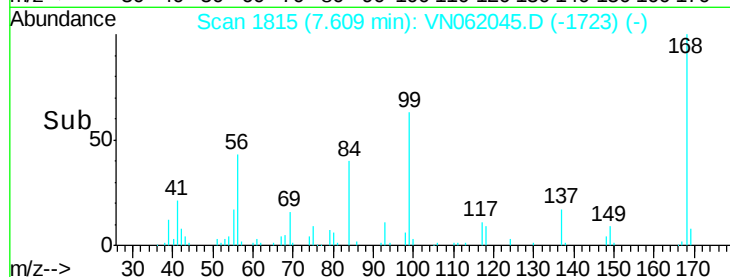
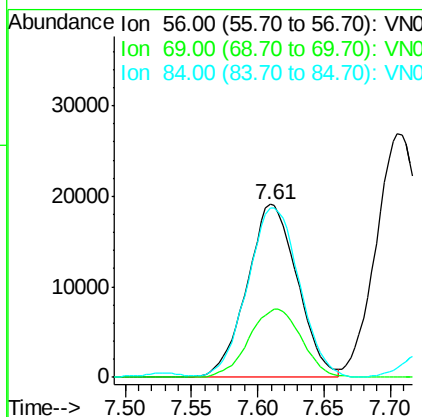
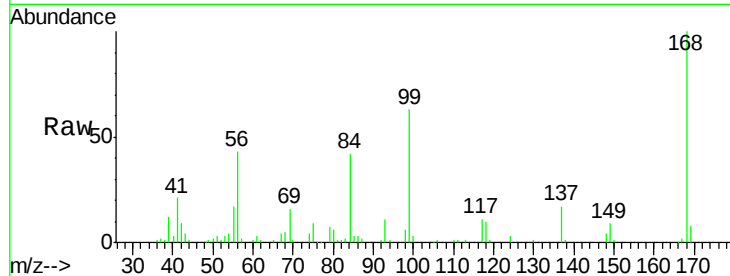
#31
Cyclohexane
Concen: 18.467 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Instrument :
MSVOA_N
ClientSampled :
VN0623WBSD01

Tot Ion	56	69	84
Resp	50748		
Ratio	100	37.8	96.4
Lower		27.7	79.1
Upper		41.5	118.7

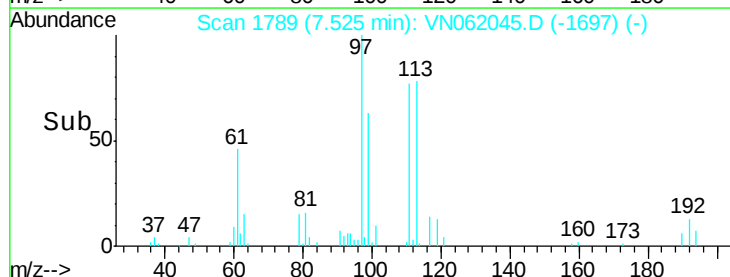
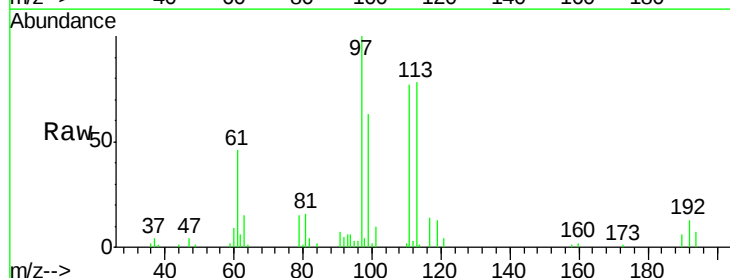
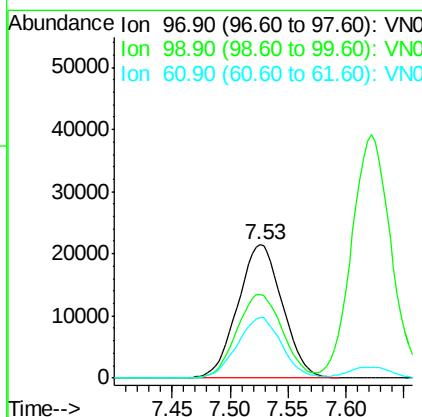
Manual Integrations
APPROVED

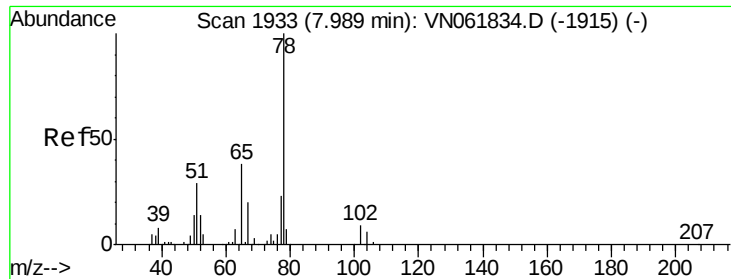
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.122 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Tgt Ion	97	99	61
Resp	57494		
Ratio	100	64.5	45.2
Lower		51.5	35.1
Upper		77.3	52.7





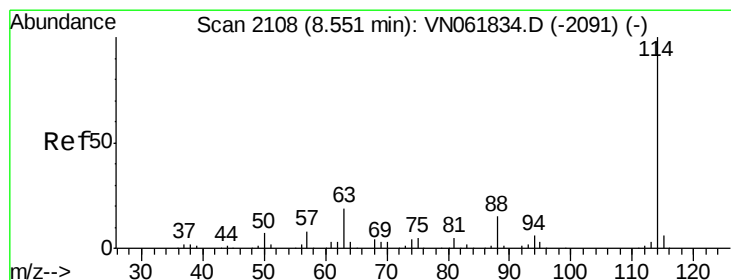
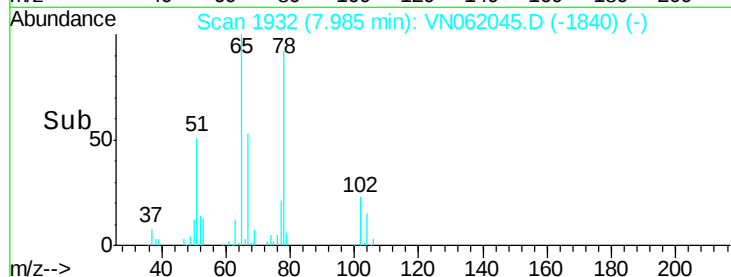
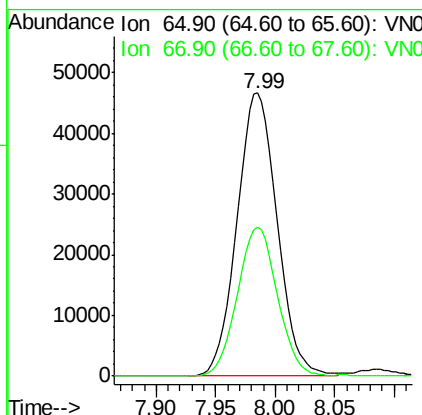
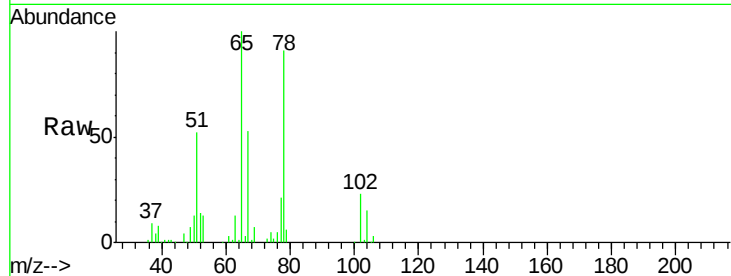
#33
 1,2-Dichloroethane-d4
 Concen: 52.339 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062045.D
 Acq: 23 Jun 2020 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0623WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	109144		
67	52.4	0.0	106.2	

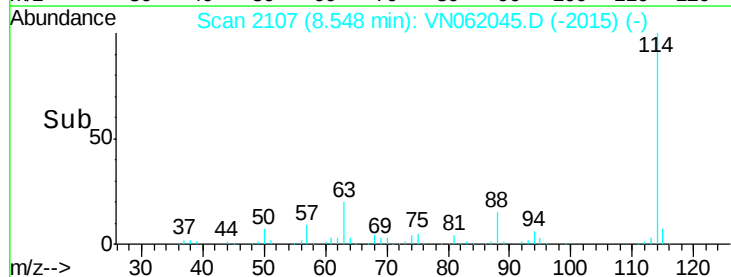
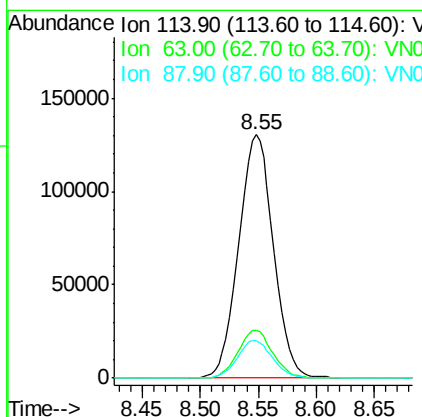
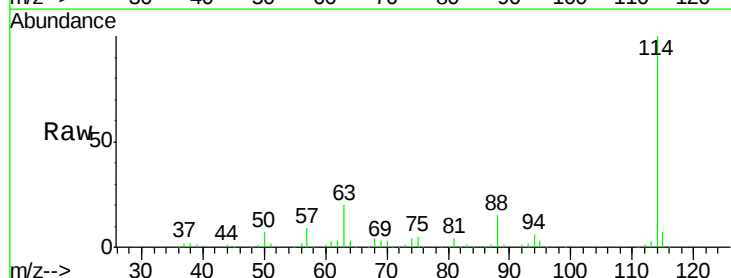
Manual Integrations
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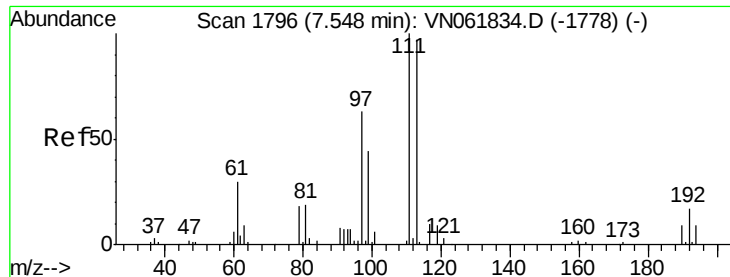
MMDadoda
 6/24/2020 10:59:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062045.D
 Acq: 23 Jun 2020 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	271166		
63	19.8	0.0	37.6	
88	15.3	0.0	31.0	





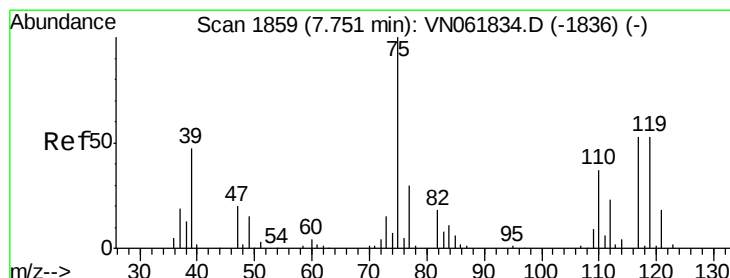
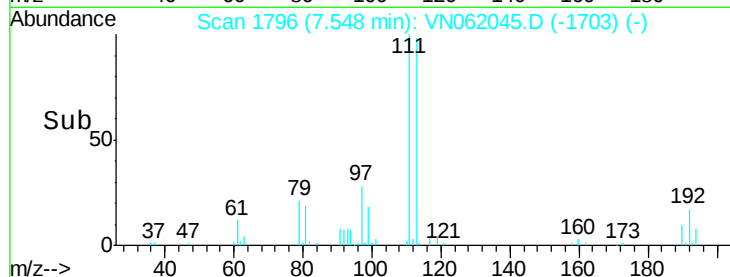
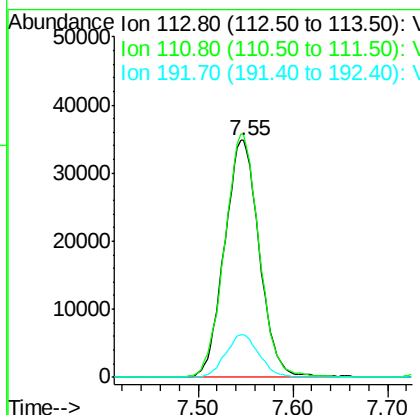
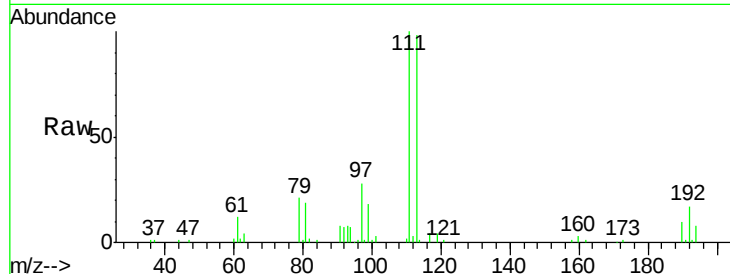
#35
 Dibromofluoromethane
 Concen: 51.237 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062045.D
 Acq: 23 Jun 2020 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0623WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.7	125.5
192	17.3	13.9	20.9

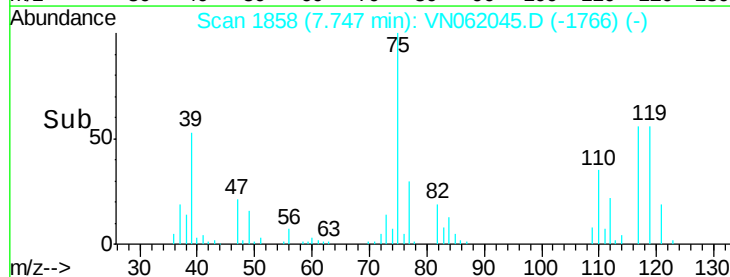
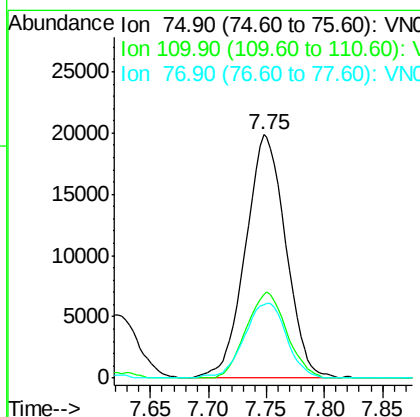
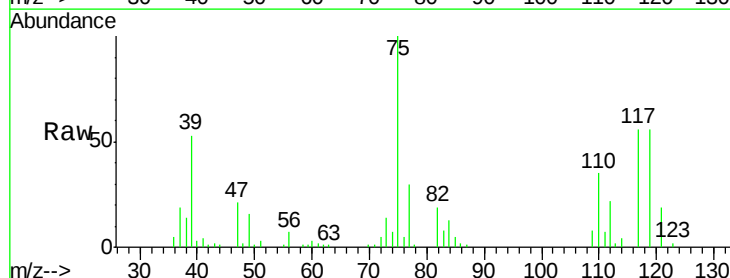
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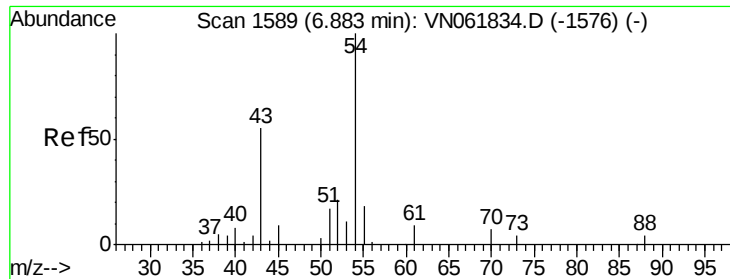
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 6/24/2020 10:59:14 AM



#36
 1,1-Dichloropropene
 Concen: 19.462 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN062045.D
 Acq: 23 Jun 2020 16:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	18.2	54.6
77	32.0	24.2	36.4





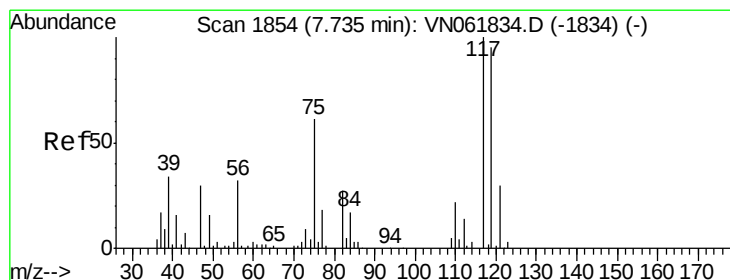
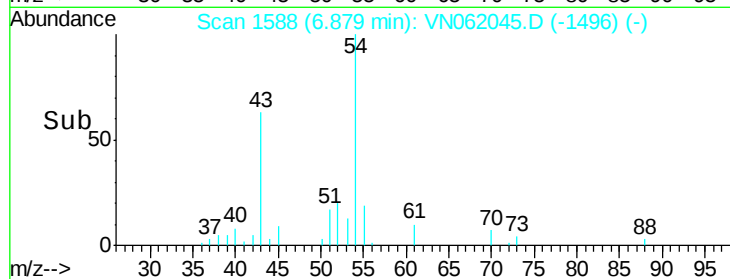
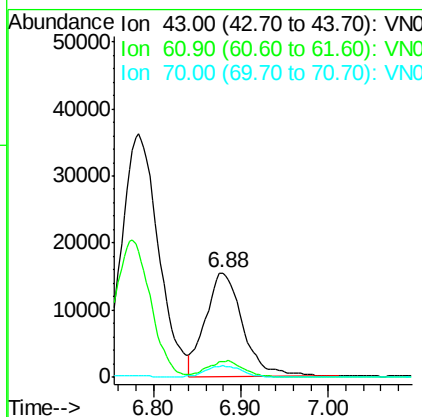
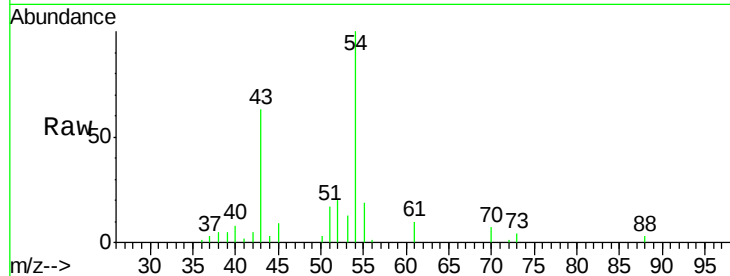
#37
Ethyl Acetate
Concen: 23.806 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Instrument :
MSVOA_N
ClientSampleID :
VN0623WBSD01

Tot Ion	43	61	70
Ion Ratio	100	15.5	10.9
Lower		13.0	9.4
Upper		19.4	14.2

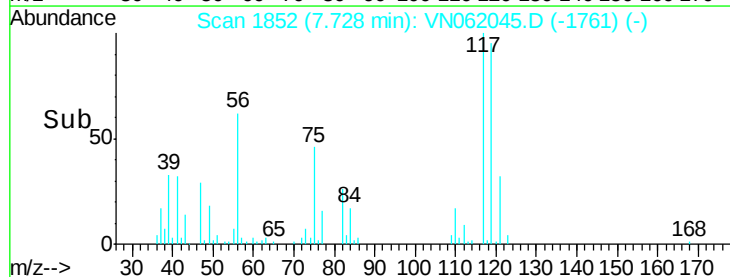
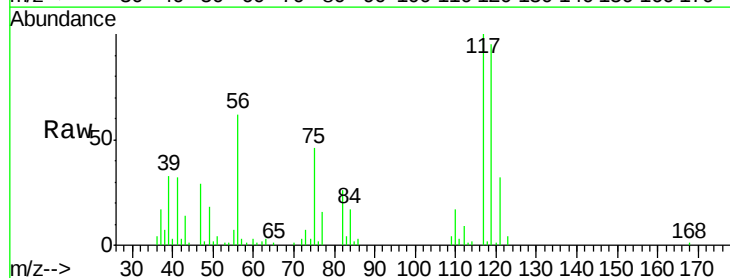
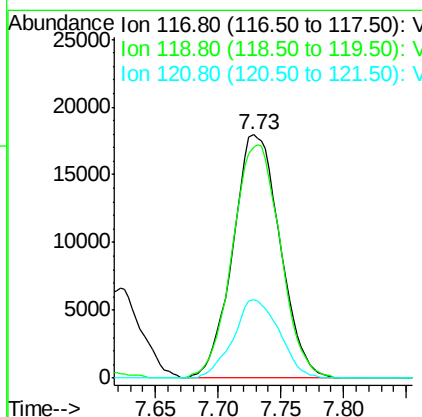
Manual Integrations
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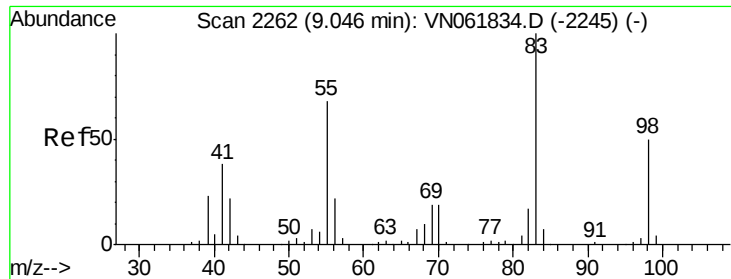
MMDadoda
6/24/2020 10:59:14 AM



#38
Carbon Tetrachloride
Concen: 19.188 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Tgt Ion	117	119	121
Ion Ratio	100	94.6	32.4
Lower		75.8	23.8
Upper		113.6	35.6





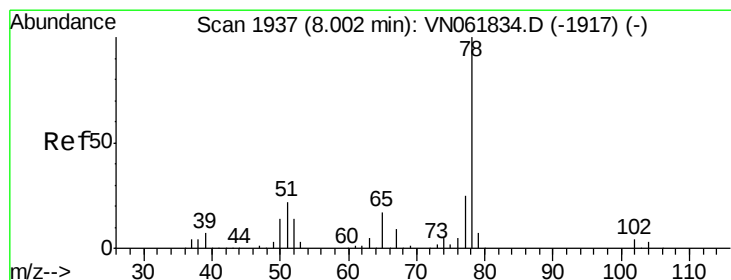
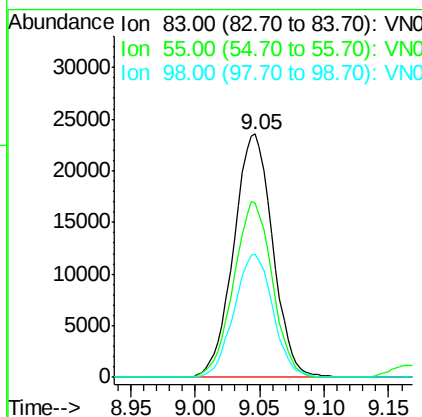
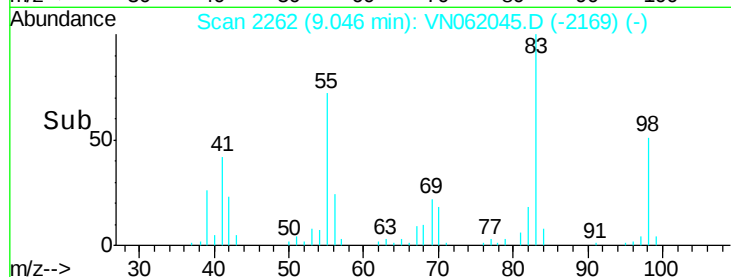
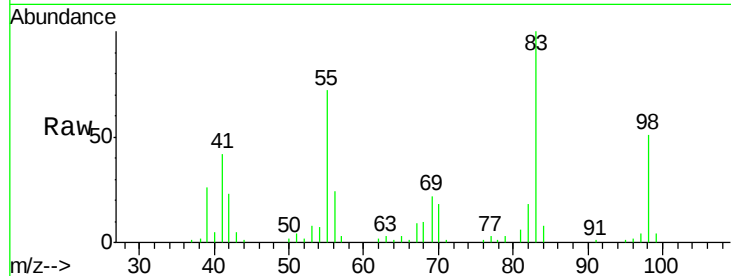
#39
Methvlcvclohexane
Concen: 18.643 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.8	54.2	81.4
98	50.6	39.8	59.6

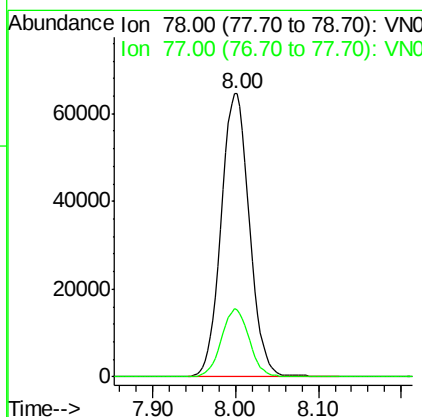
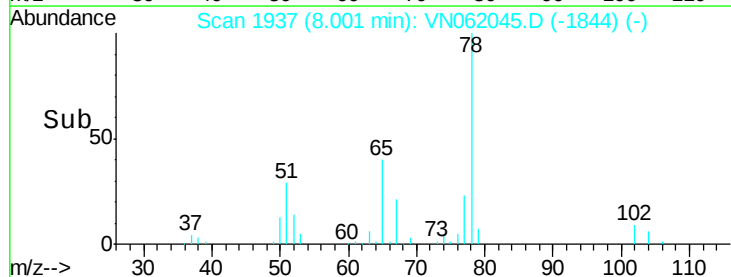
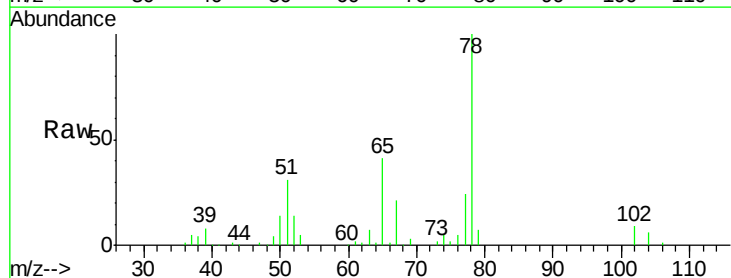
Manual Integrations
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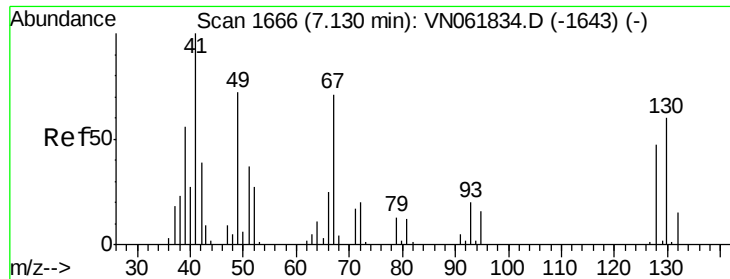
MMDadoda
6/24/2020 10:59:14 AM



#40
Benzene
Concen: 20.423 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.7	29.5





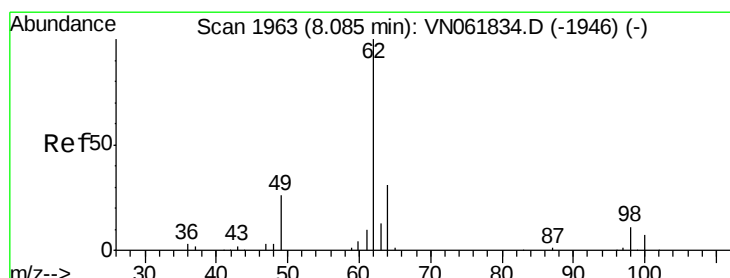
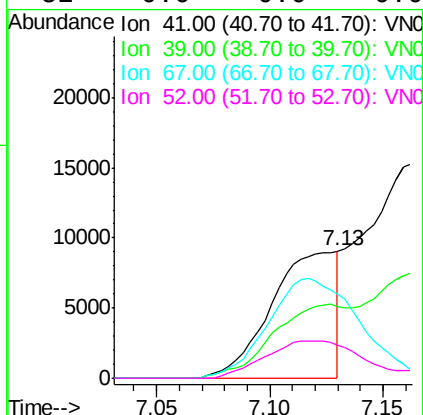
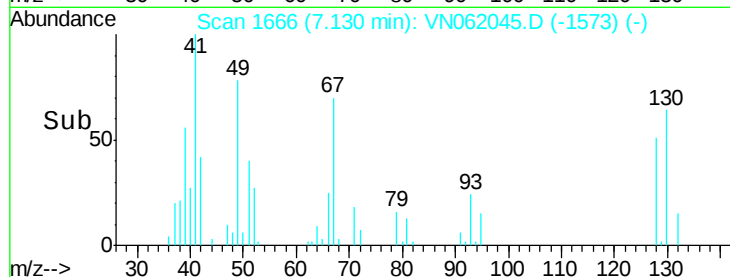
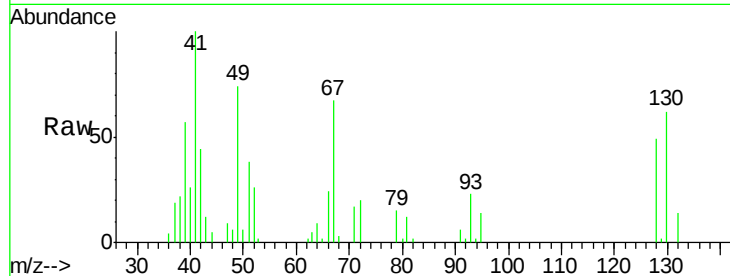
#41
Methacrylonitrile
Concen: 22.274 ug/l m
RT: 7.13 min Scan# 1666
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBSD01

Tot Ion	41	Resp	18396
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

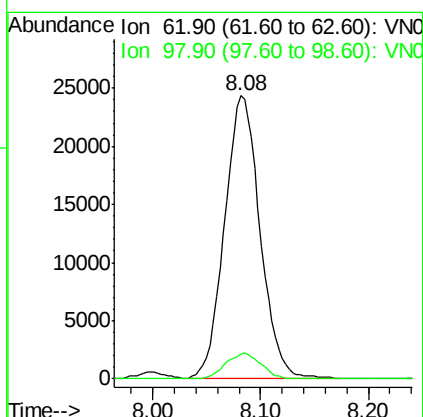
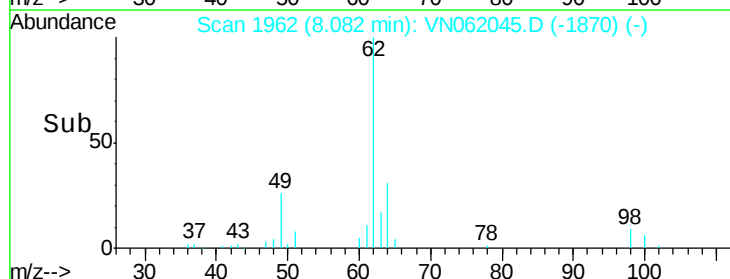
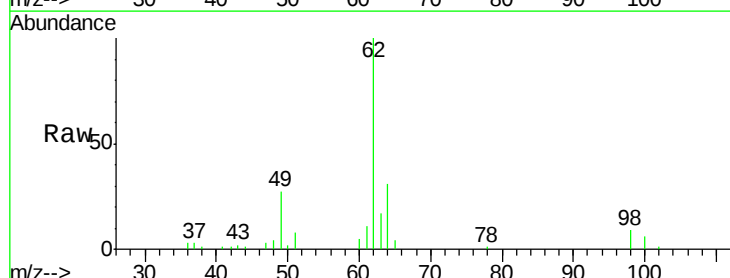
Manual Integrations
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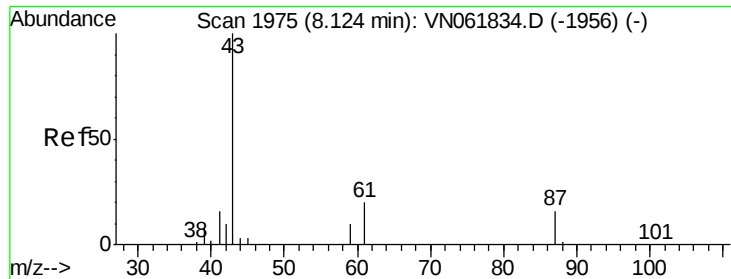
MMDadoda
6/24/2020 10:59:14 AM



#42
1,2-Dichloroethane
Concen: 21.857 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Tgt Ion	62	Resp	55838
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	20.4





#43

Isopropyl Acetate

Concen: 23.408 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Instrument :

MSVOA_N

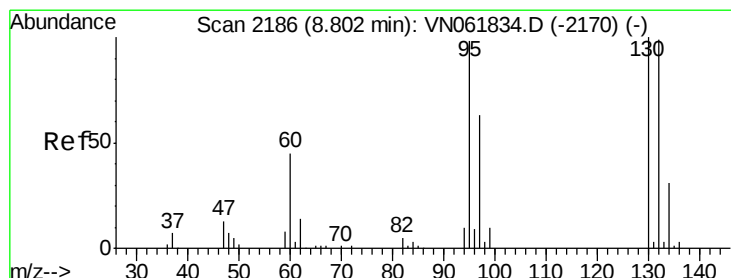
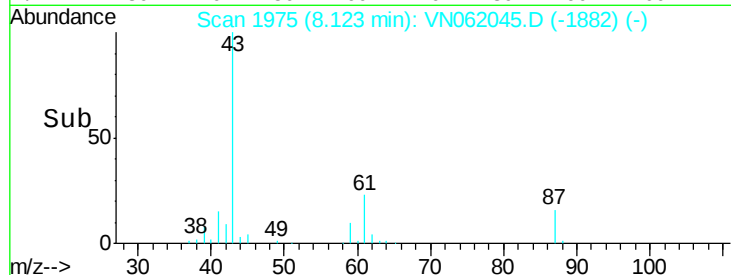
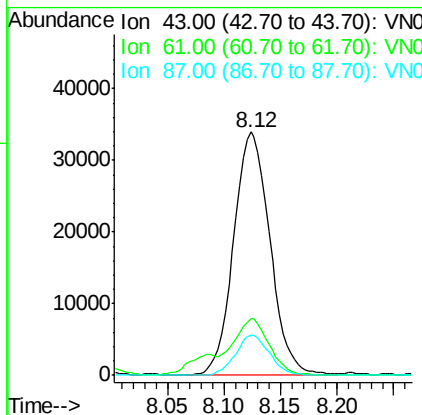
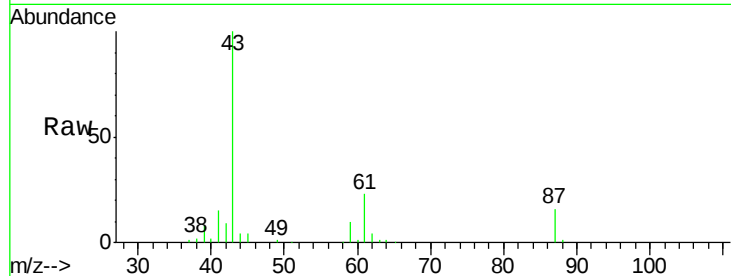
ClientSampleId :

VN0623WBSD01

Tot Ion:	43	Resp:	76192
Ion	Ratio	Lower	Upper
43	100		
61	23.1	24.0	36.0#
87	15.3	12.5	18.7

Manual Integrations
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MMDadoda
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#44

Trichloroethene

Concen: 19.356 ug/l

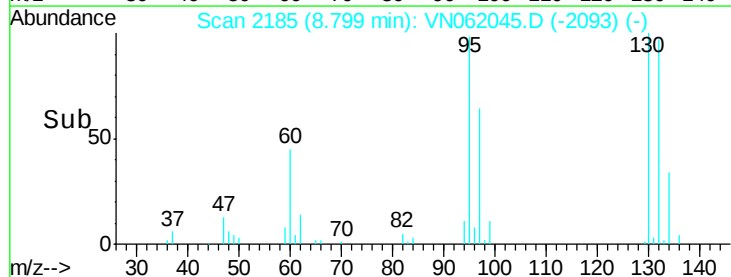
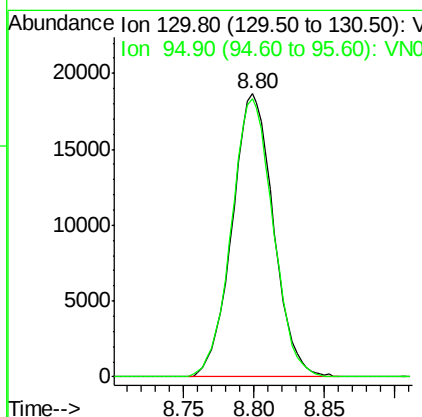
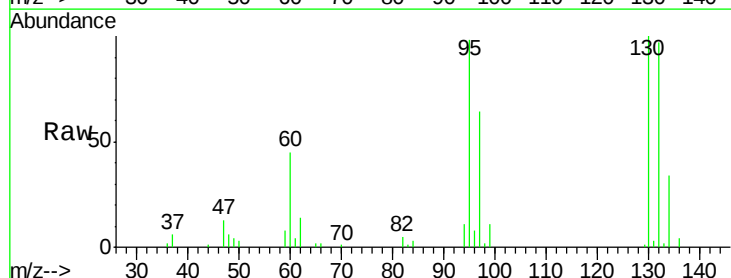
RT: 8.80 min Scan# 2185

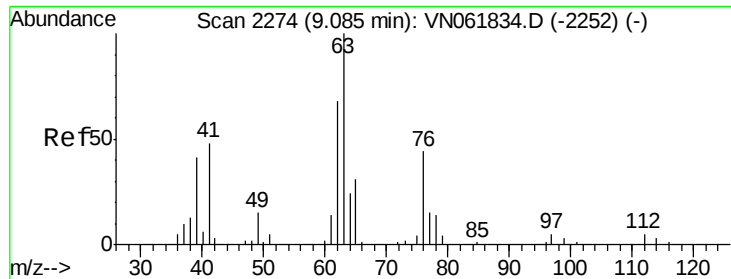
Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Tgt Ion:	130	Resp:	38166
Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	195.6





#45

1,2-Dichloropropane

Concen: 22.085 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBSD01

Tot Ion: 63 Resp: 40663

Ion Ratio Lower Upper

63 100

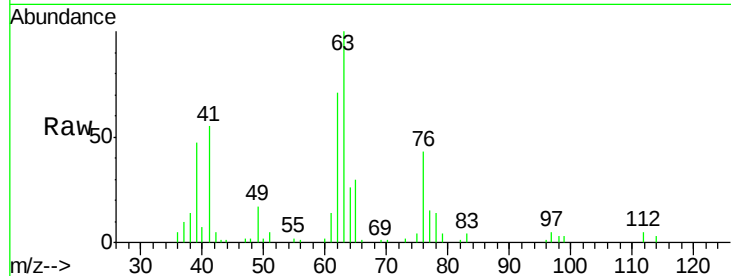
65 30.3 25.1 37.7

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN061834.D (-2252) (-)

Ion 64.90 (64.60 to 65.60): VN061834.D (-2252) (-)

9.08

20000

15000

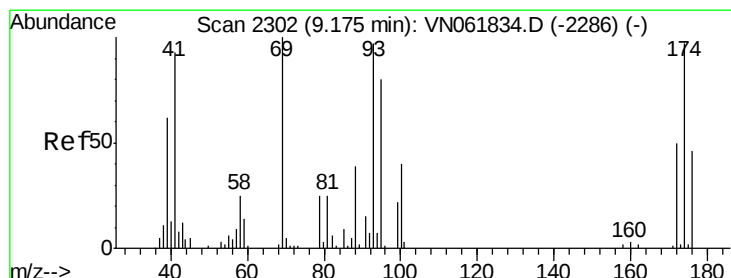
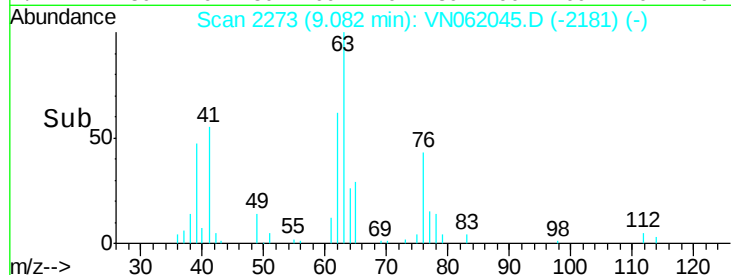
10000

5000

0

9.00 9.05 9.10 9.15

Time-->



#46

Dibromomethane

Concen: 21.160 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

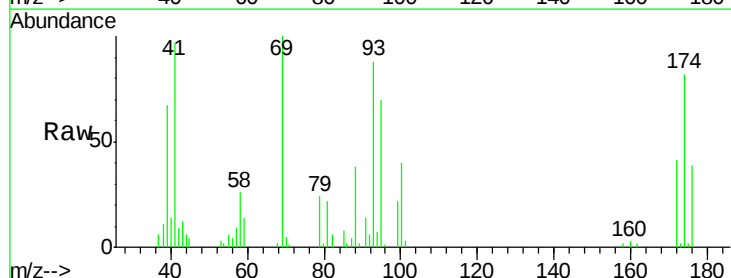
Tgt Ion: 93 Resp: 27436

Ion Ratio Lower Upper

93 100

95 82.9 65.8 98.6

174 94.6 78.5 117.7



Abundance Ion 92.80 (92.50 to 93.50): VN061834.D (-2286) (-)

Ion 94.80 (94.50 to 95.50): VN061834.D (-2286) (-)

Ion 173.70 (173.40 to 174.40): VN061834.D (-2286) (-)

9.17

15000

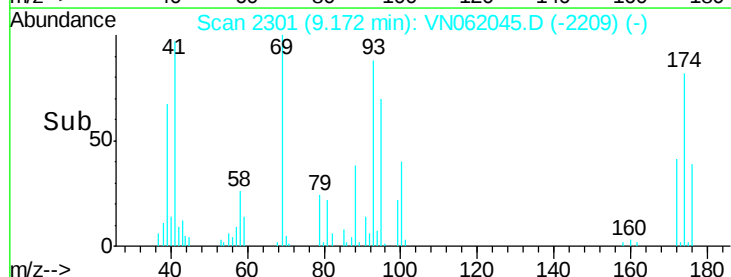
10000

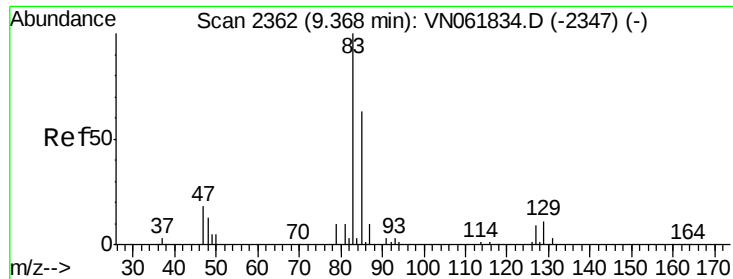
5000

0

9.10 9.15 9.20 9.25

Time-->





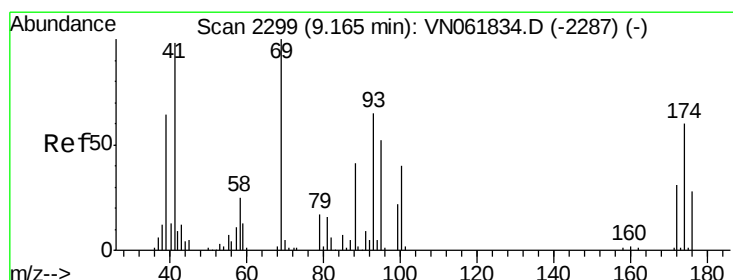
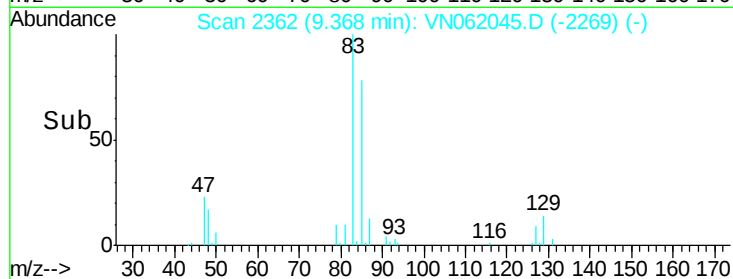
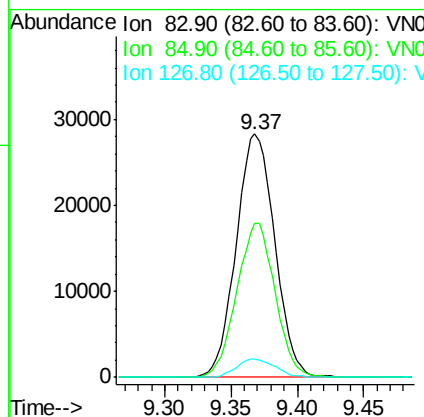
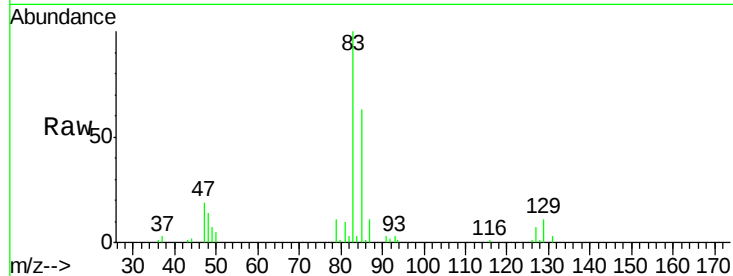
#47
Bromodichloromethane
Concen: 21.580 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBSD01

Tot Ion	83	Resp	57293
Ion Ratio	100	Lower	Upper
83	100		
85	63.4	50.8	76.2
127	7.4	7.0	10.4

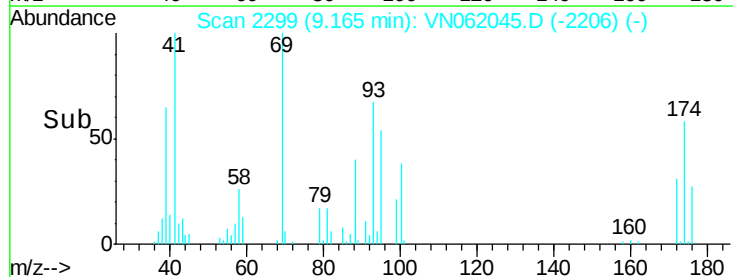
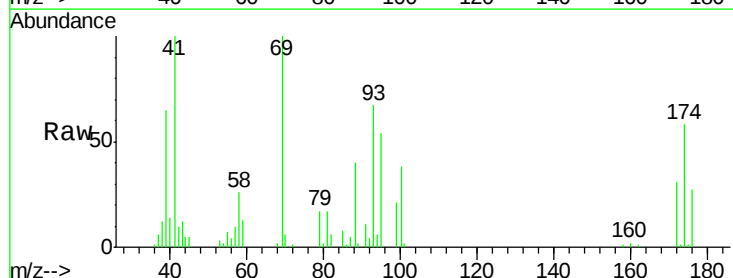
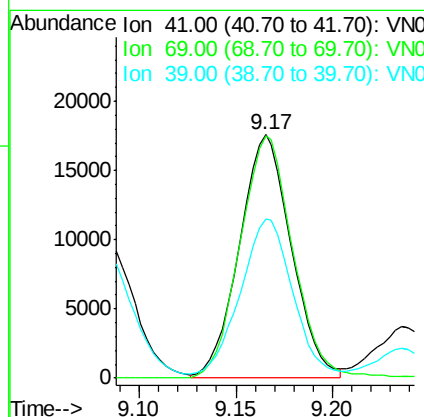
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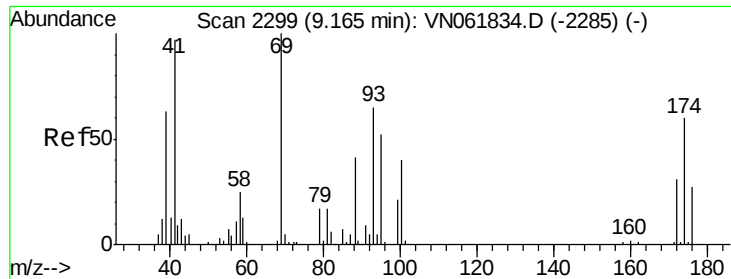
MMDadoda
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#48
Methyl methacrylate
Concen: 22.214 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Tgt Ion	41	Resp	32882
Ion Ratio	100	Lower	Upper
41	100		
69	101.7	83.0	124.4
39	66.7	55.1	82.7





#49

1,4-Dioxane

Concen: 421.580 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBSD01

Tot Ion: 88 Resp: 14327

Ion Ratio Lower Upper

88 100

43 30.8 23.4 35.2

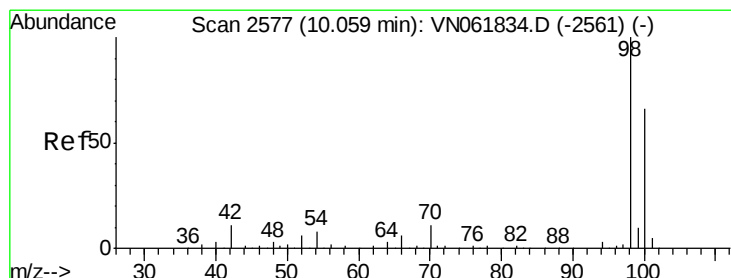
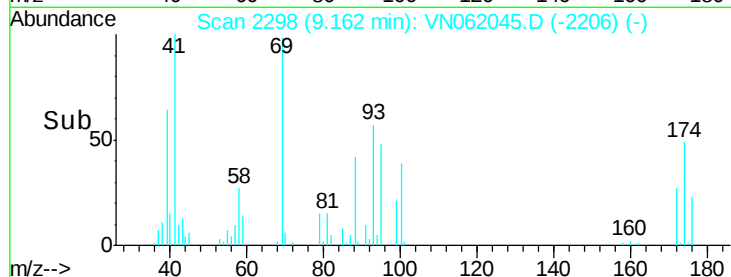
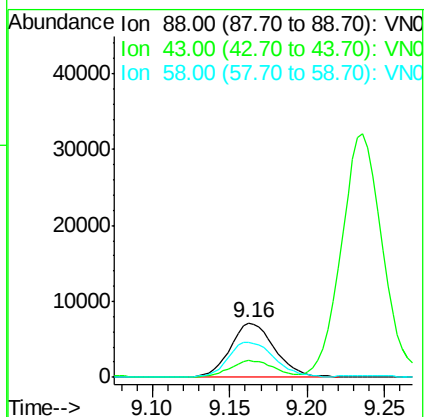
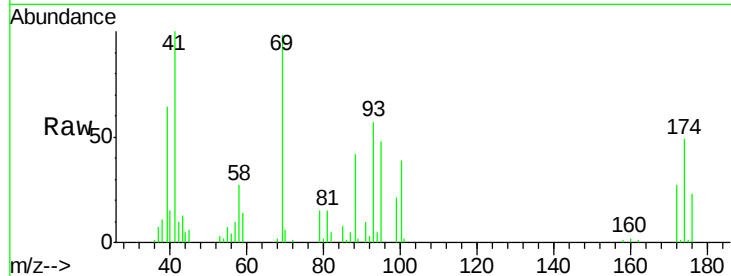
58 67.4 49.8 74.6

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#50

Toluene-d8

Concen: 49.669 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062045.D

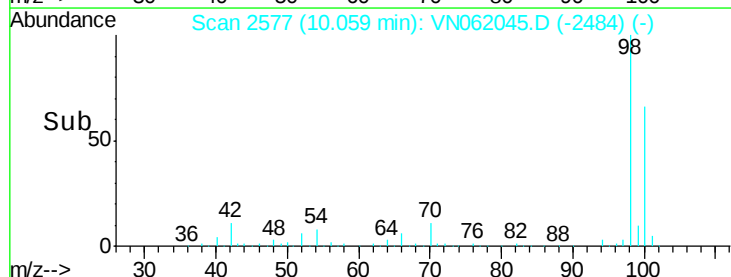
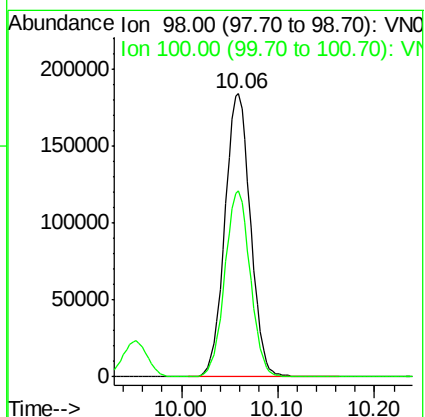
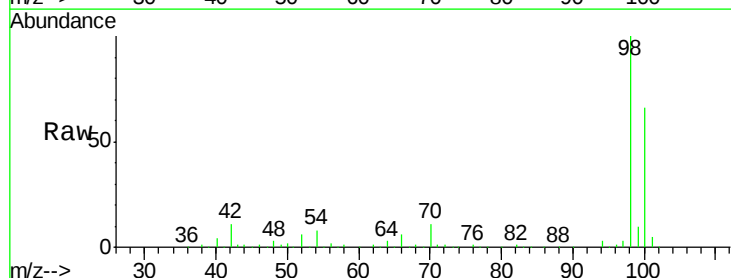
Acq: 23 Jun 2020 16:36

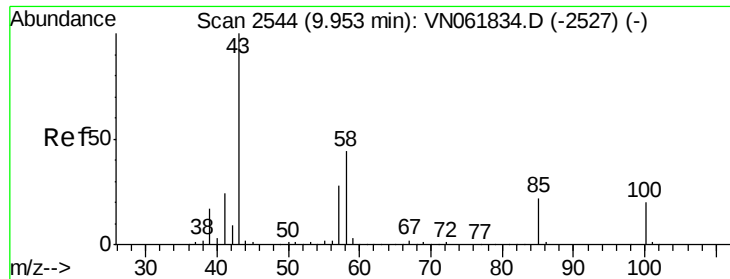
Tgt Ion: 98 Resp: 338750

Ion Ratio Lower Upper

98 100

100 65.4 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 117.697 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBSD01

Tot Ion: 43 Resp: 226384

Ion Ratio Lower Upper

43 100

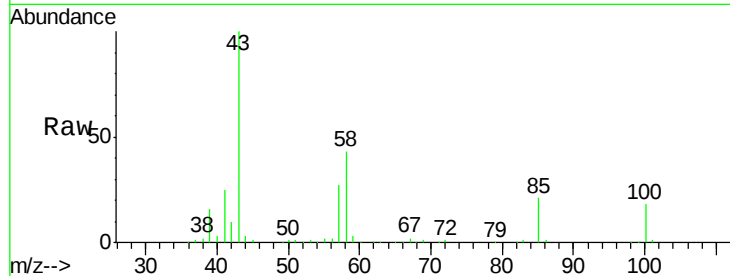
58 42.9 34.6 52.0

Manual Integrations

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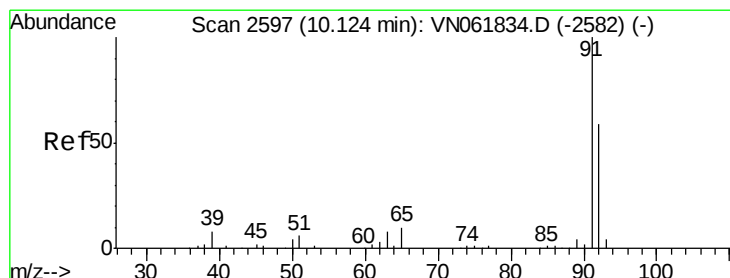
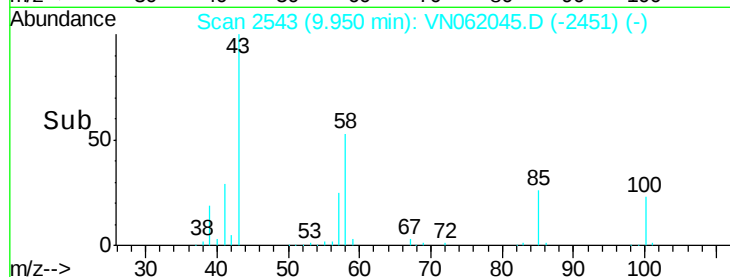
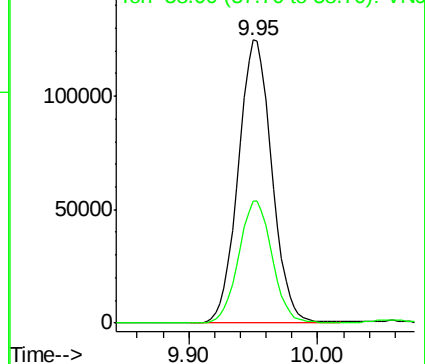
MMDadoda

6/24/2020 10:59:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.336 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062045.D

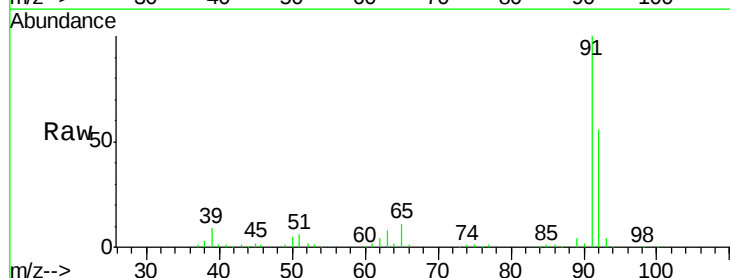
Acq: 23 Jun 2020 16:36

Tgt Ion: 92 Resp: 95687

Ion Ratio Lower Upper

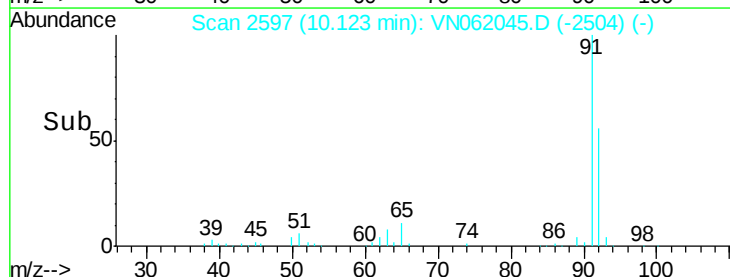
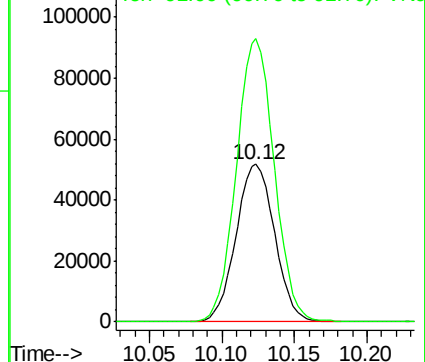
92 100

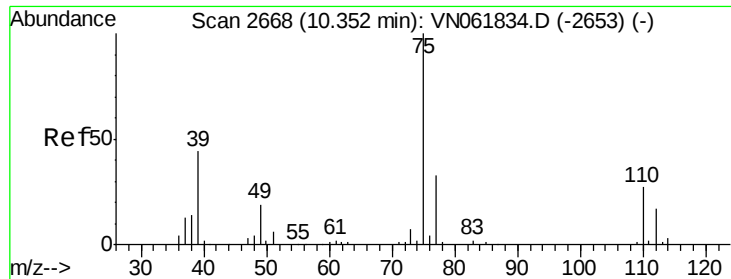
91 176.4 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





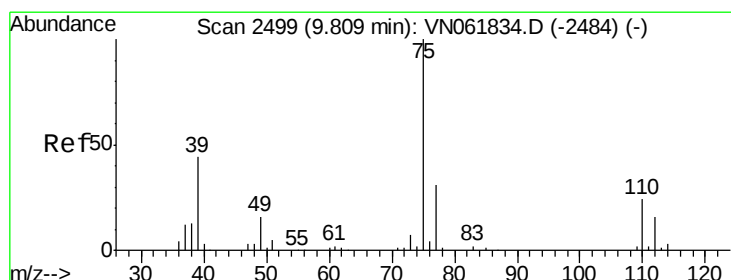
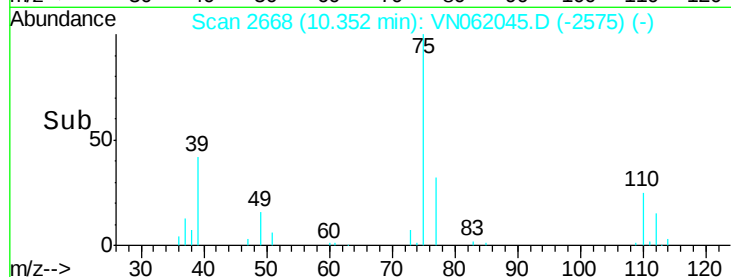
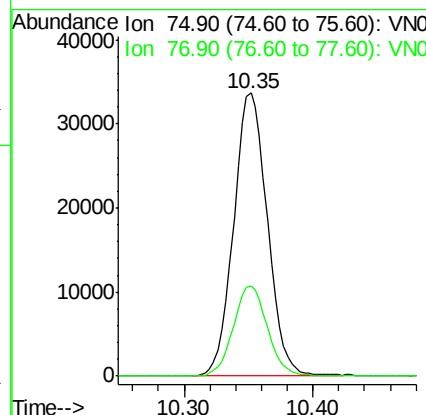
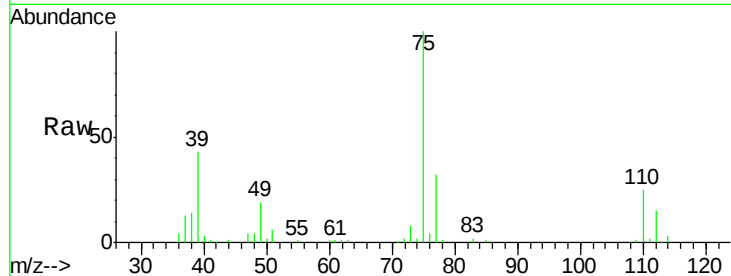
#53
t-1,3-Dichloropropene
Concen: 21.707 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBSD01

Tot Ion: 75 Resp: 61179
Ion Ratio Lower Upper
75 100
77 31.8 26.3 39.5

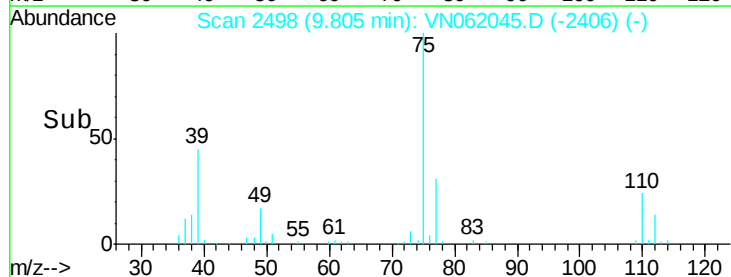
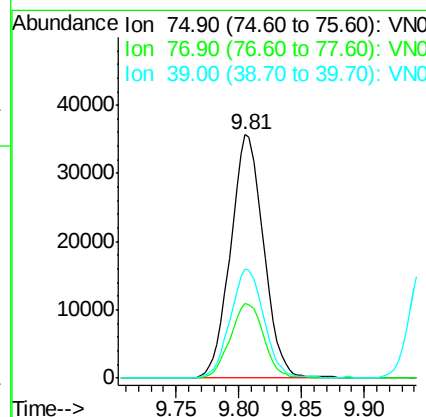
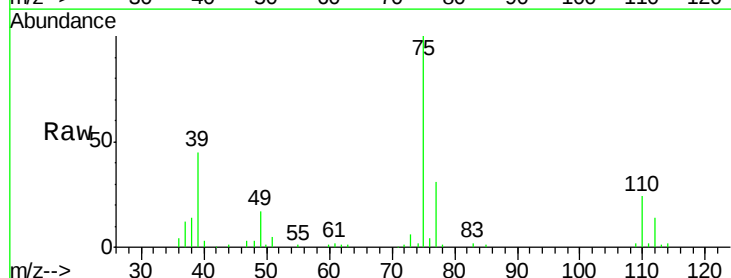
Manual Integrations
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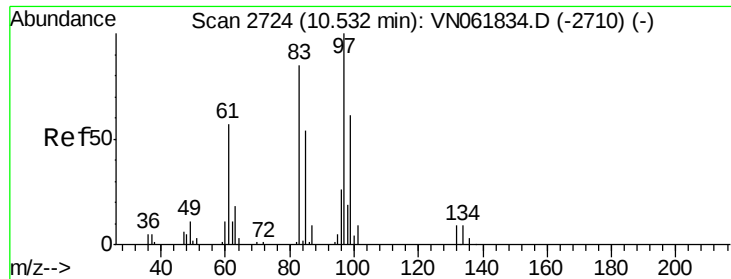
MMDadoda
6/24/2020 10:59:14 AM



#54
cis-1,3-Dichloropropene
Concen: 21.320 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Tgt Ion: 75 Resp: 65266
Ion Ratio Lower Upper
75 100
77 30.6 24.8 37.2
39 44.9 35.4 53.0





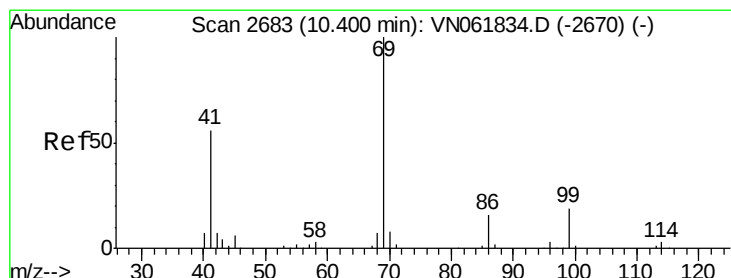
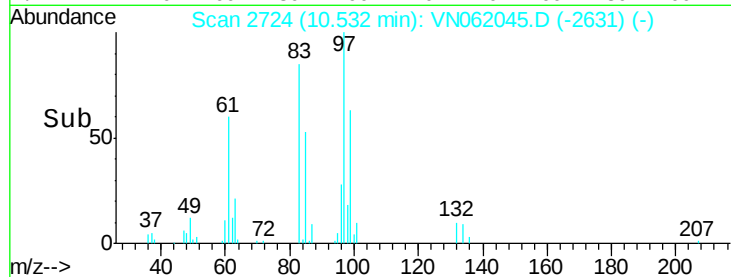
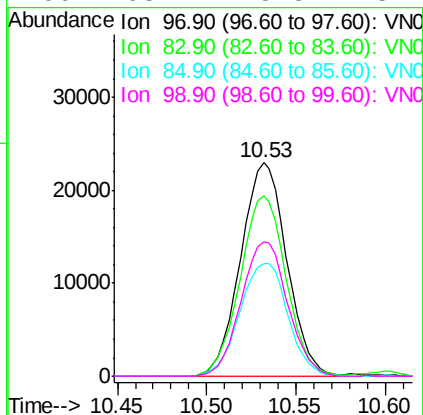
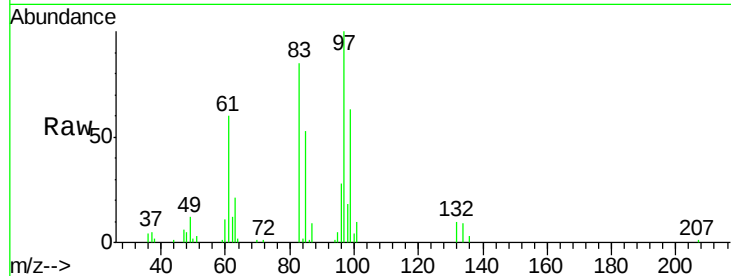
#55
 1,1,2-Trichloroethane
 Concen: 22.390 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062045.D
 Acq: 23 Jun 2020 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0623WBSD01

Tot Ion:	97	Resp:	41451
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.7	101.5
85	52.6	43.4	65.0
99	63.2	48.8	73.2

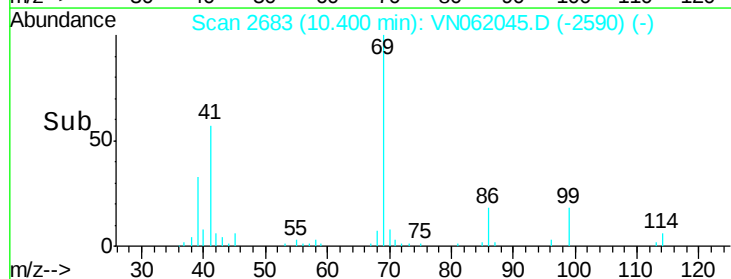
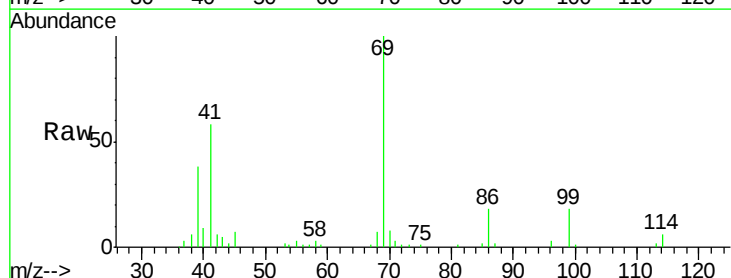
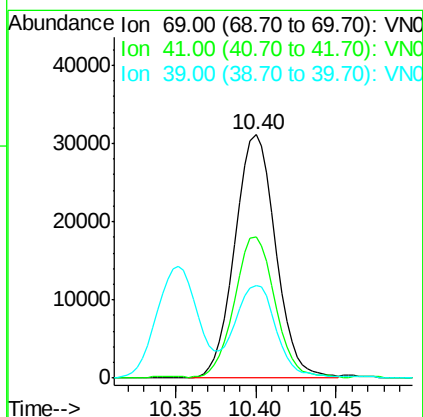
Manual Integrations
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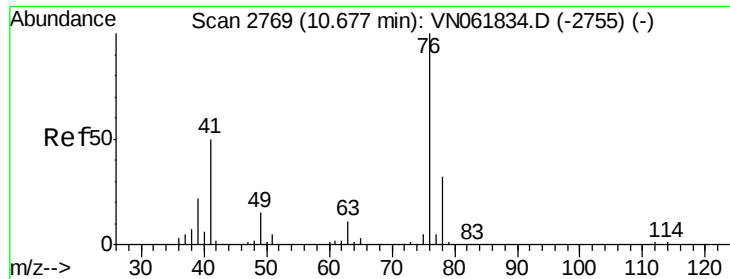
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 20.969 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062045.D
 Acq: 23 Jun 2020 16:36

Tgt Ion:	69	Resp:	54239
Ion	Ratio	Lower	Upper
69	100		
41	58.0	44.9	67.3
39	37.6	30.0	45.0





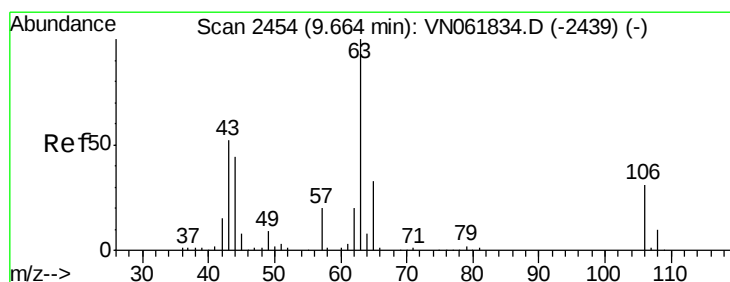
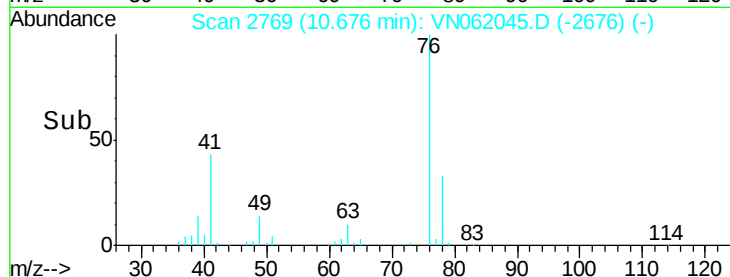
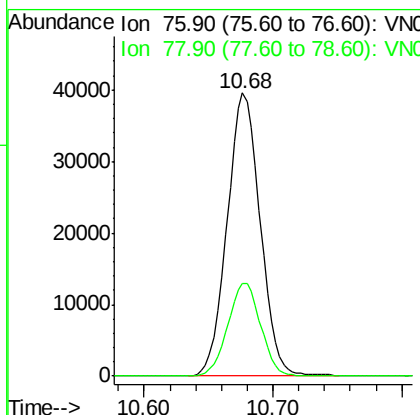
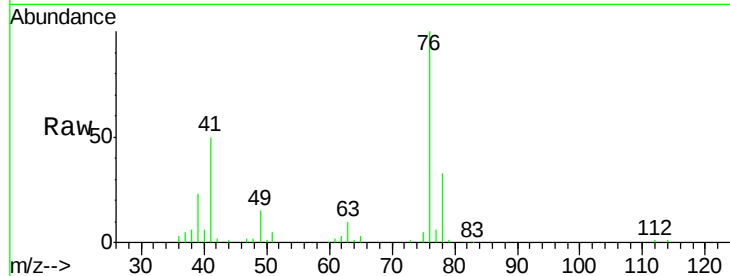
#57
 1,3-Dichloropropane
 Concen: 22.393 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062045.D
 Acq: 23 Jun 2020 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0623WBSD01

Tot Ion: 76 Resp: 70233
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.8

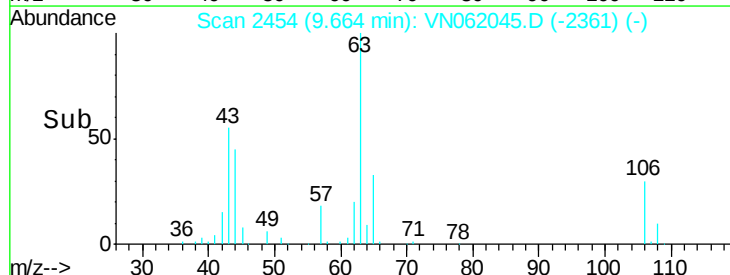
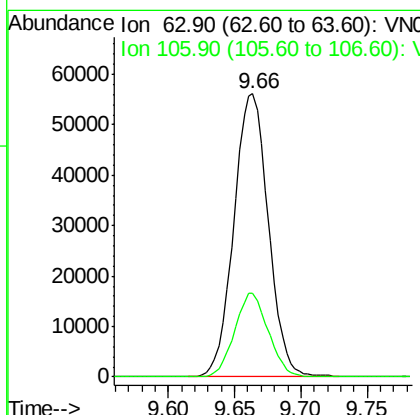
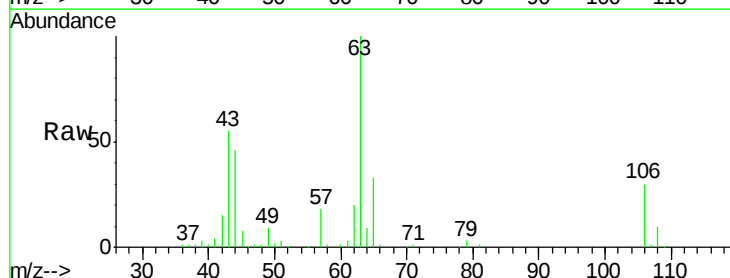
Manual Integrations
 APPROVED

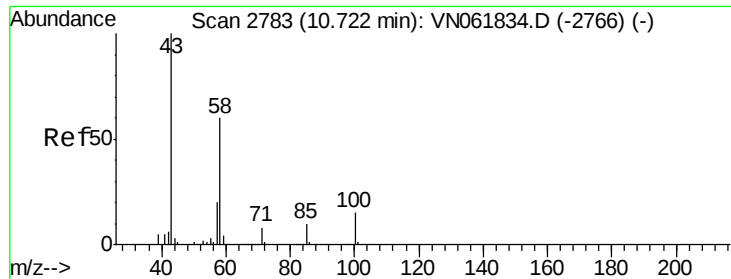
MMDadoda
 6/24/2020 10:59:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.027 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN062045.D
 Acq: 23 Jun 2020 16:36

Tgt Ion: 63 Resp: 101642
 Ion Ratio Lower Upper
 63 100
 106 28.8 24.6 36.8





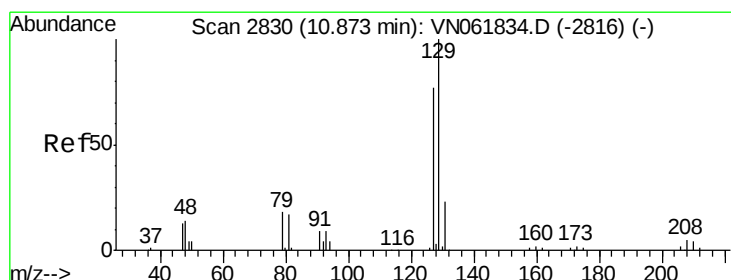
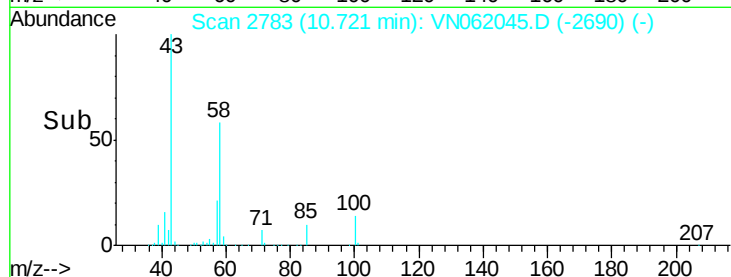
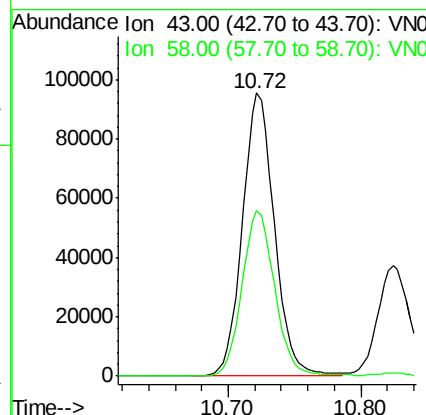
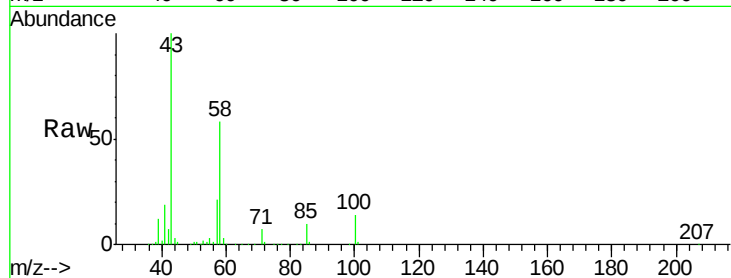
#59
2-Hexanone
Concen: 112.023 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBSD01

Tot Ion: 43 Resp: 160127
Ion Ratio Lower Upper
43 100
58 59.7 30.1 90.5

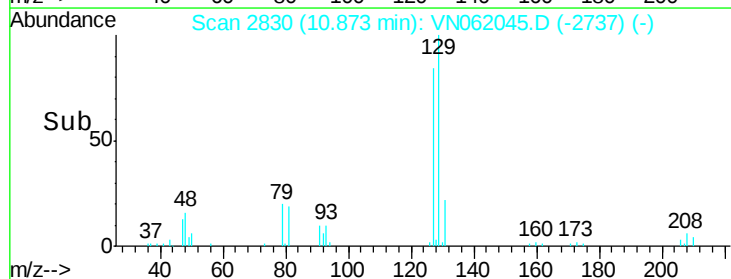
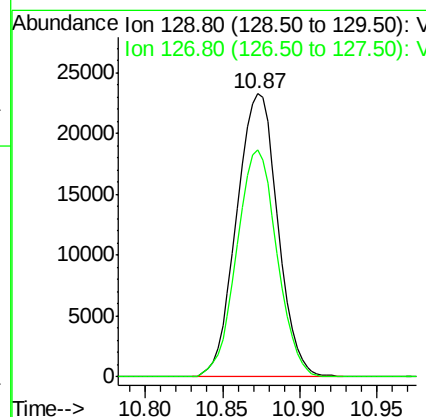
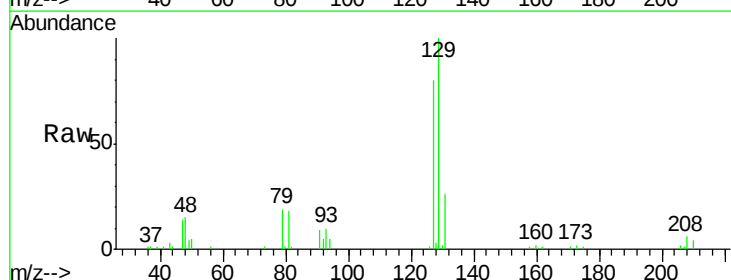
Manual Integrations
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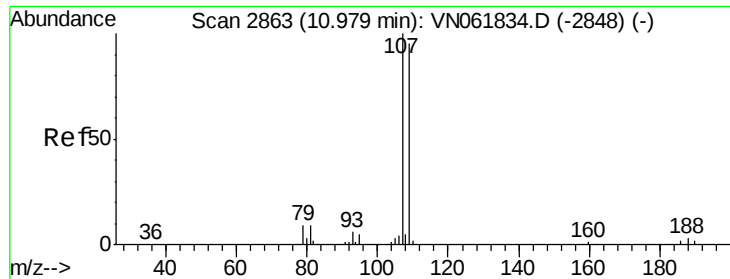
MMDadoda
6/24/2020 10:59:14 AM



#60
Dibromochloromethane
Concen: 20.881 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Tgt Ion: 129 Resp: 43135
Ion Ratio Lower Upper
129 100
127 78.2 38.5 115.5





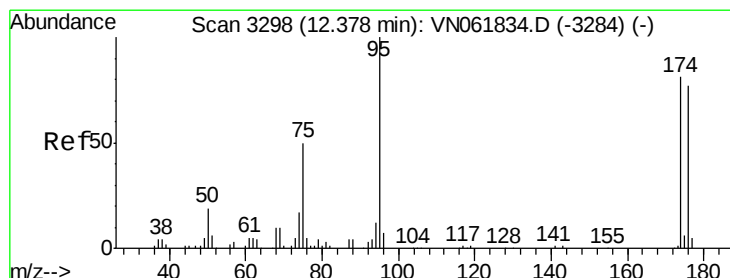
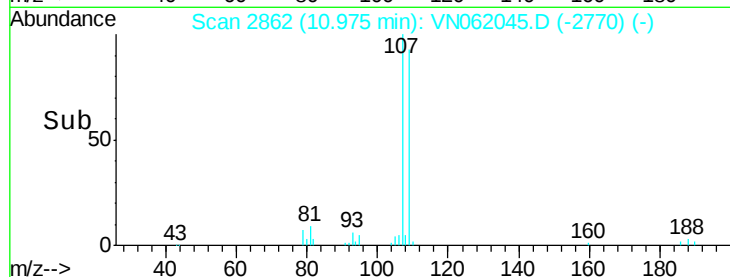
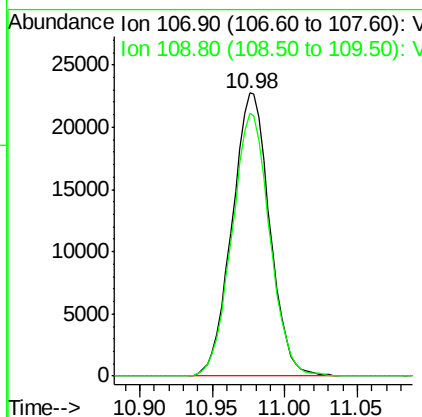
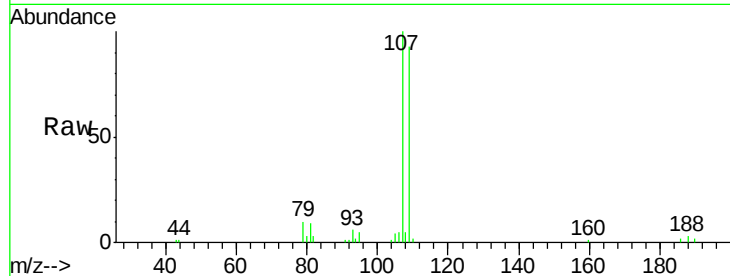
#61
 1,2-Dibromoethane
 Concen: 21.223 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062045.D
 Acq: 23 Jun 2020 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0623WBSD01

Tot Ion: 107 Resp: 41027
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.0 112.6

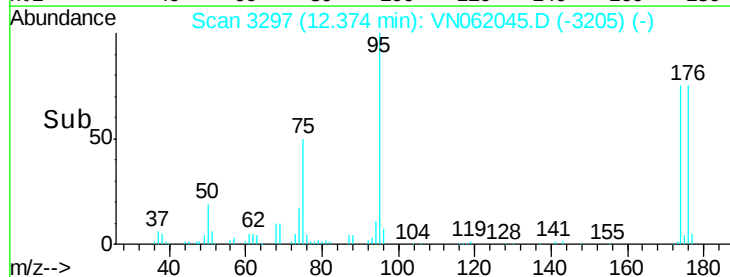
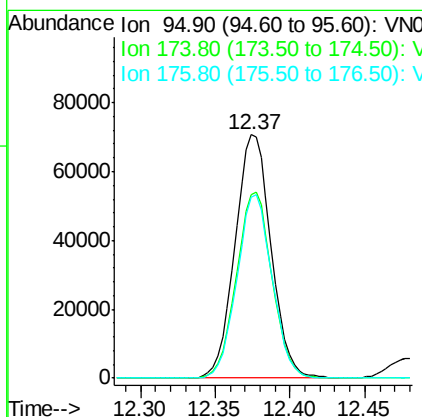
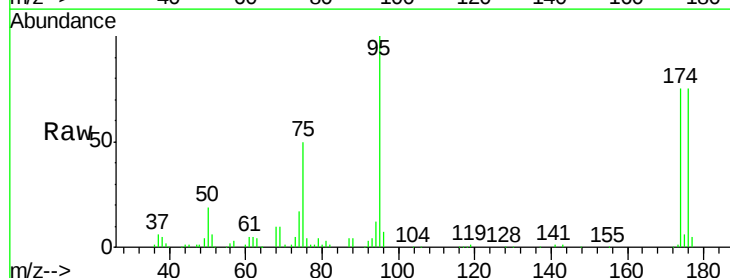
Manual Integrations
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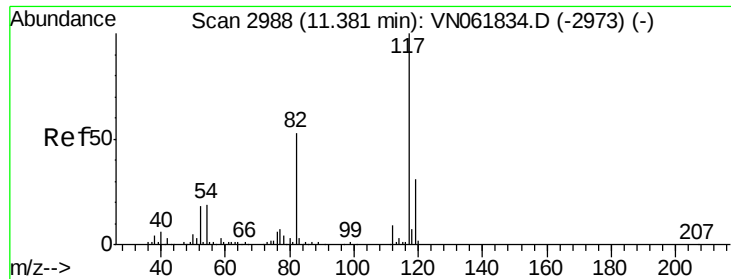
MMDadoda
 6/24/2020 10:59:14 AM



#62
 4-Bromofluorobenzene
 Concen: 50.676 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN062045.D
 Acq: 23 Jun 2020 16:36

Tgt Ion: 95 Resp: 118552
 Ion Ratio Lower Upper
 95 100
 174 75.5 0.0 158.6
 176 73.3 0.0 152.0





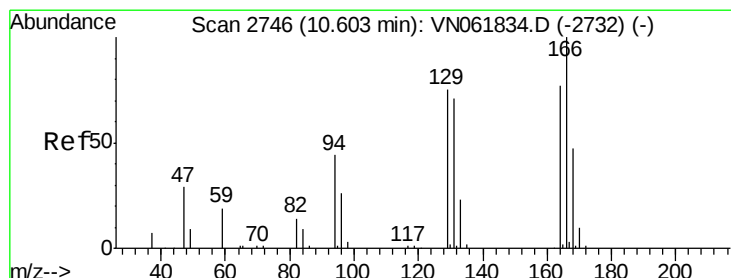
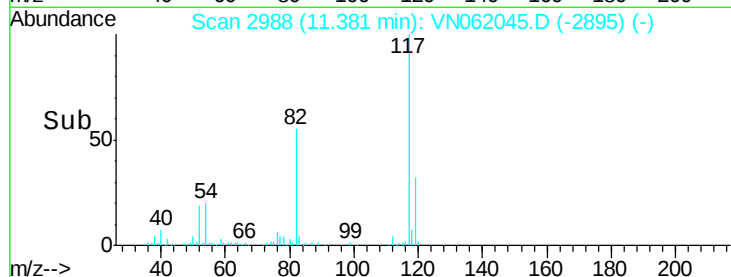
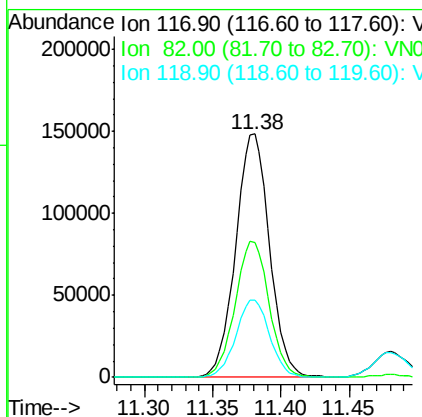
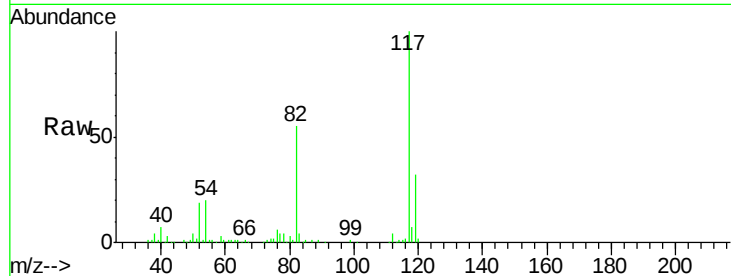
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	256073		
82	55.4		42.6	64.0
119	31.6		24.7	37.1

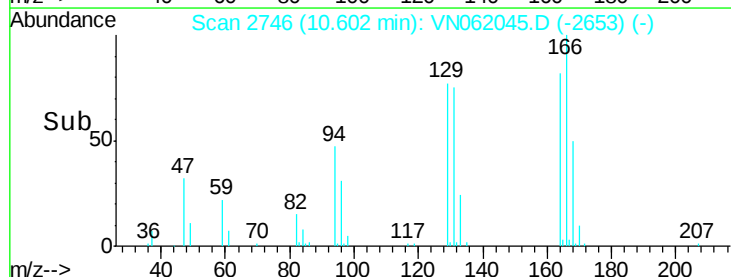
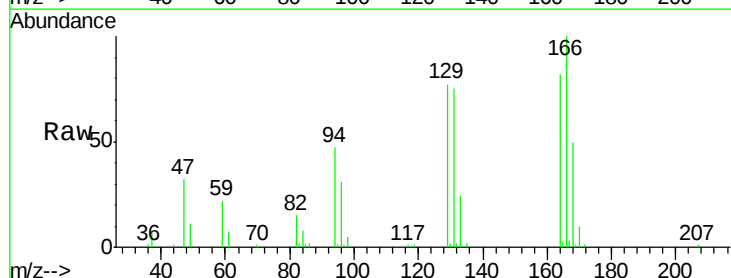
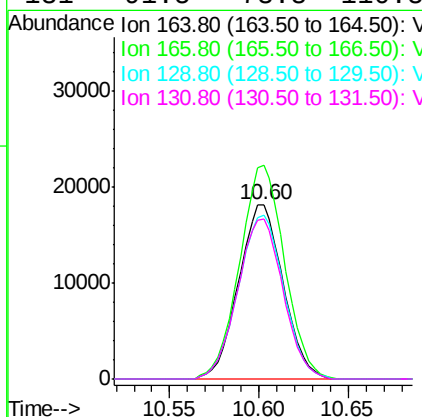
Manual Integrations
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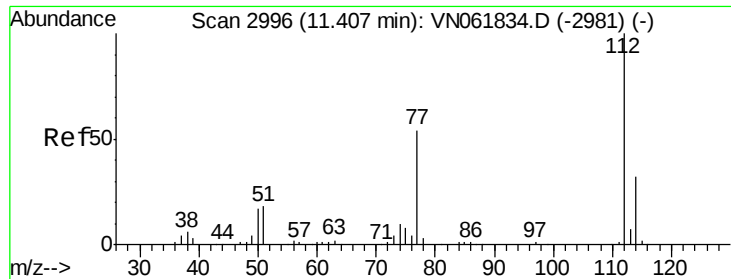
MMDadoda
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#64
Tetrachloroethene
Concen: 19.424 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	31703		
166	122.3		103.5	155.3
129	93.9		77.5	116.3
131	91.5		73.8	110.8





#65

Chlorobenzene

Concen: 19.558 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBSD01

Tot Ion:112 Resp: 105681

Ion Ratio Lower Upper

112 100

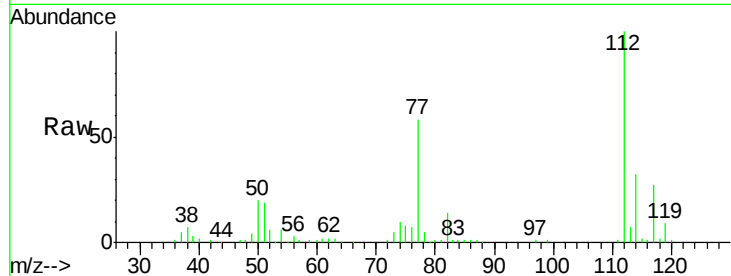
114 31.6 25.8 38.6

Manual Integrations

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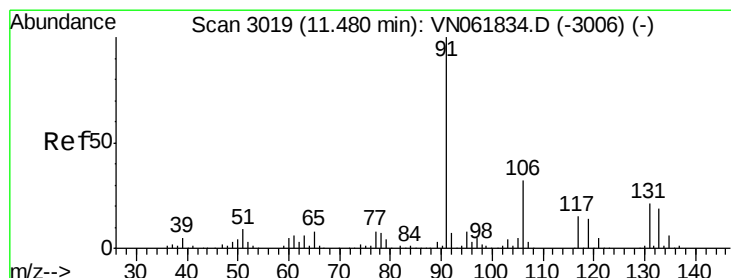
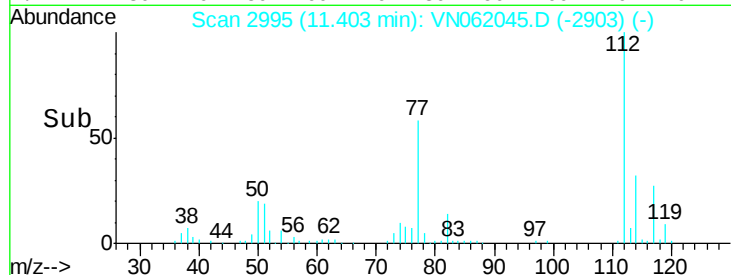
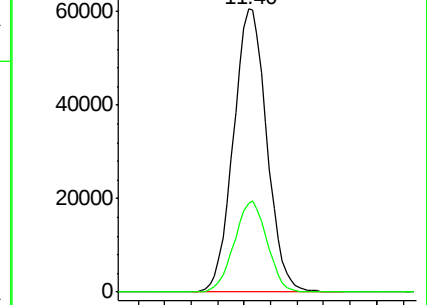
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.543 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

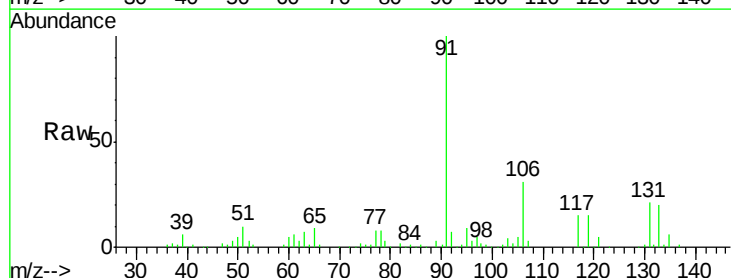
Tgt Ion:131 Resp: 38714

Ion Ratio Lower Upper

131 100

133 96.5 47.5 142.5

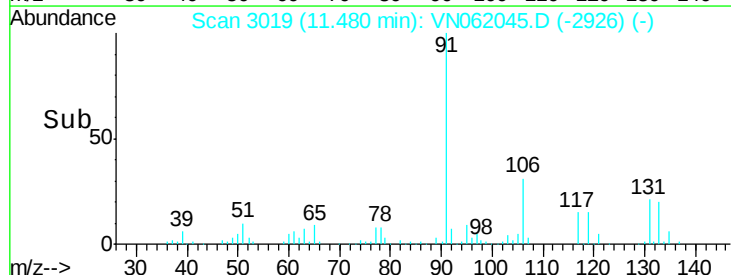
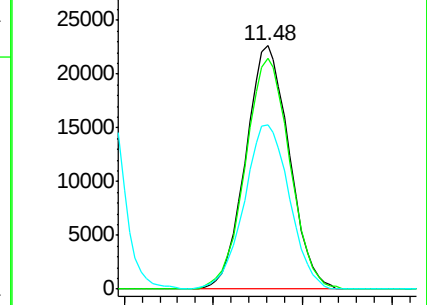
119 69.9 34.0 101.8

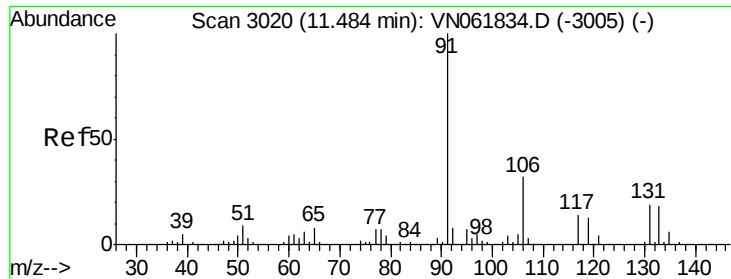


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





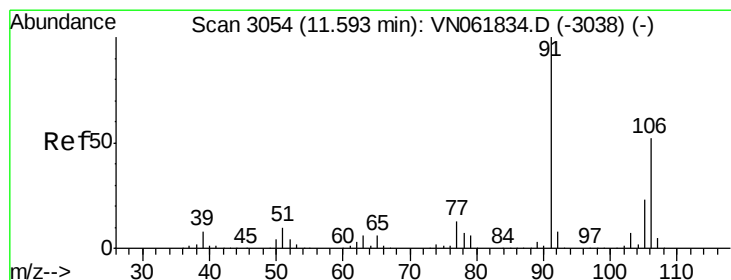
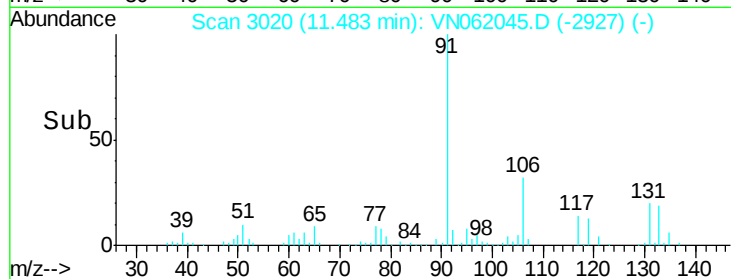
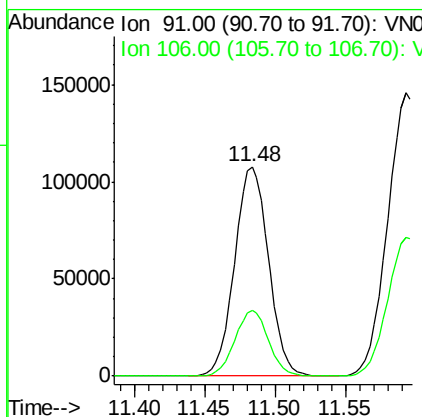
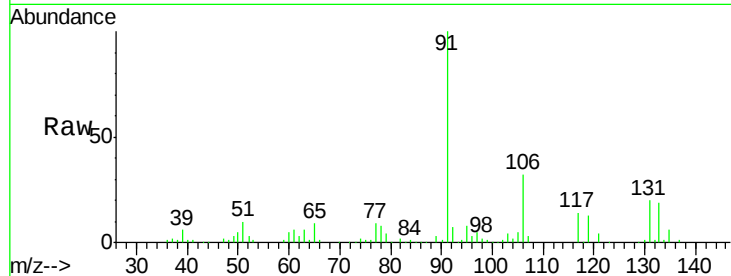
#67
Ethyl Benzene
Concen: 20.100 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBSD01

Tot Ion: 91 Resp: 182096
Ion Ratio Lower Upper
91 100
106 31.6 25.4 38.2

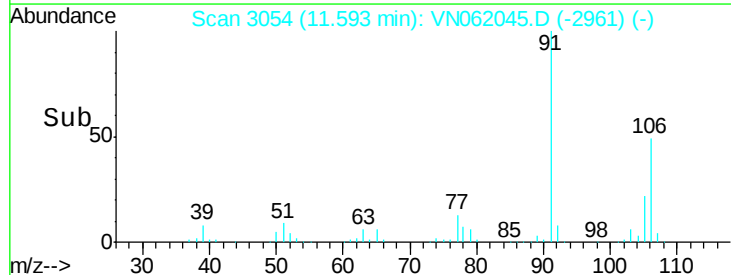
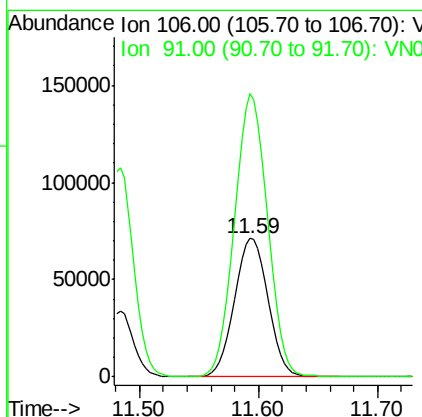
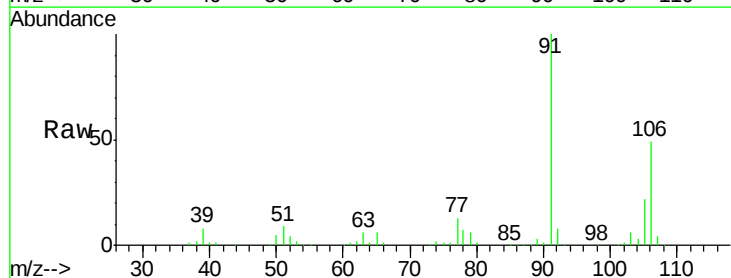
Manual Integrations
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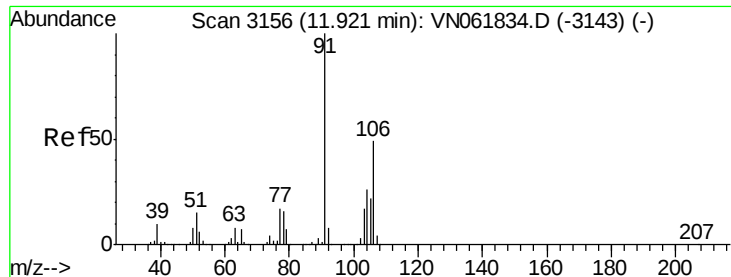
MMDadoda
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#68
m/p-Xylenes
Concen: 39.964 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Tgt Ion: 106 Resp: 139606
Ion Ratio Lower Upper
106 100
91 200.6 157.0 235.6





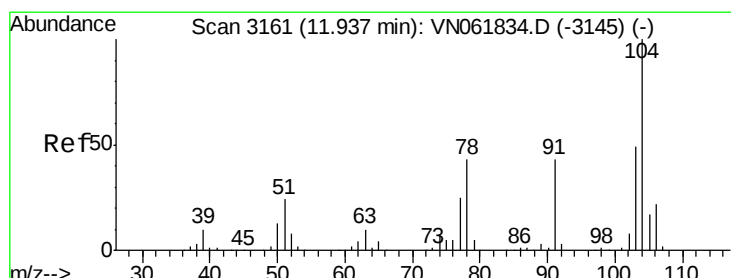
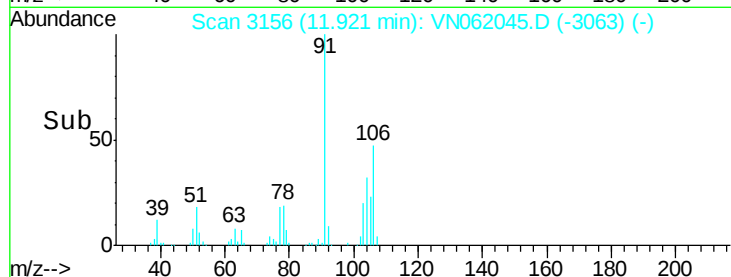
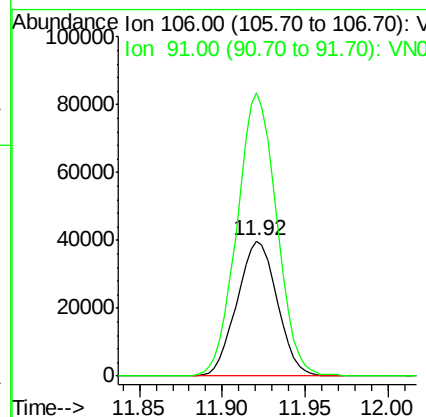
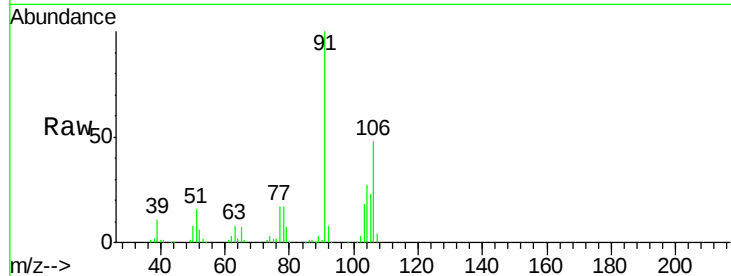
#69
o-Xylene
Concen: 20.173 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBSD01

Tot Ion:106 Resp: 67239
Ion Ratio Lower Upper
106 100
91 207.2 103.0 308.9

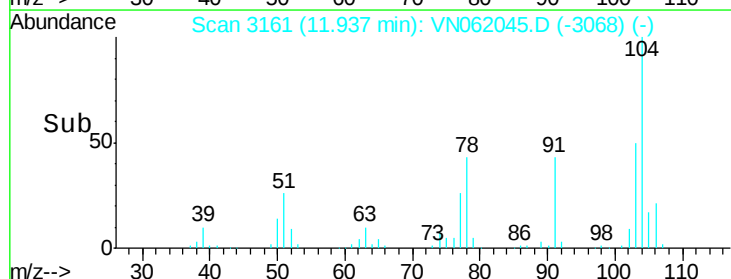
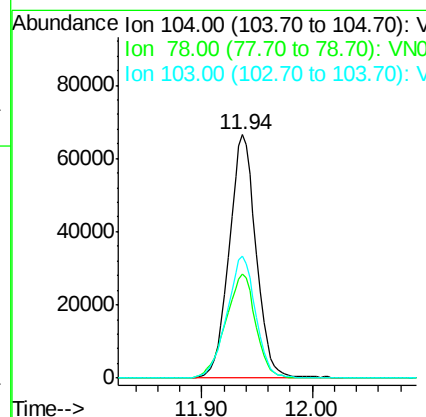
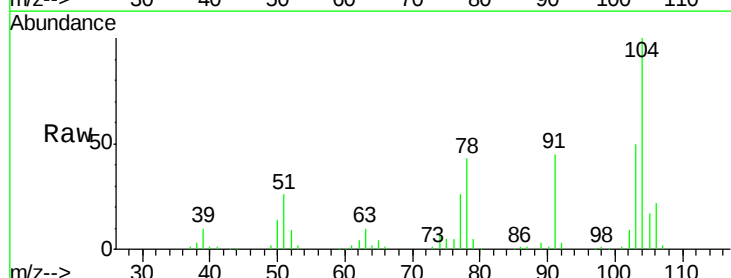
Manual Integrations
APPROVED

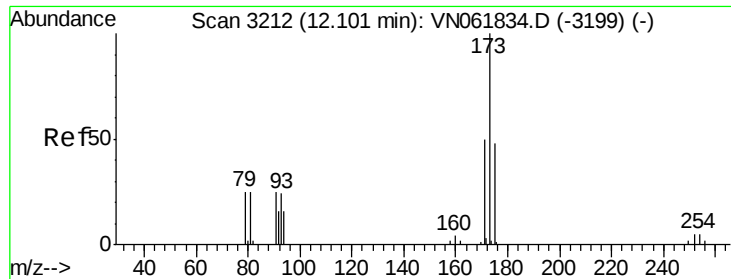
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#70
Styrene
Concen: 20.160 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Tgt Ion:104 Resp: 112512
Ion Ratio Lower Upper
104 100
78 47.3 37.6 56.4
103 53.5 43.0 64.4





#71

Bromoform

Concen: 20.351 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBSD01

Tot Ion:173 Resp: 27964

Ion Ratio Lower Upper

173 100

175 47.1 23.9 71.7

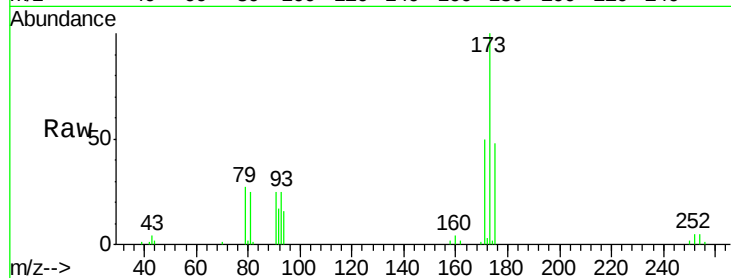
254 0.0 0.0 0.0

Manual Integrations

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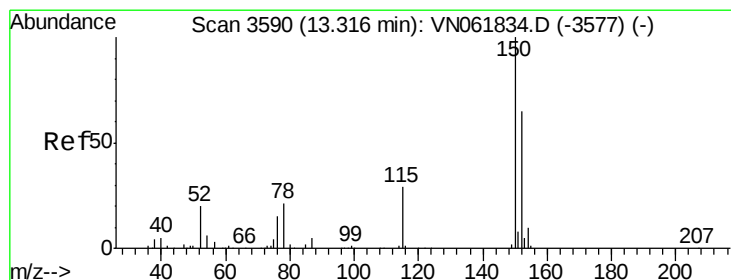
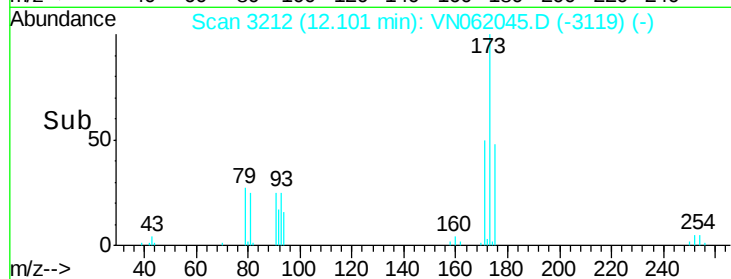
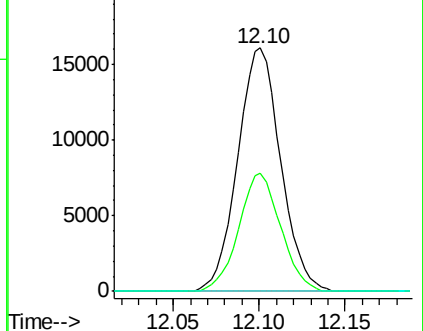
6/24/2020 10:59:14 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

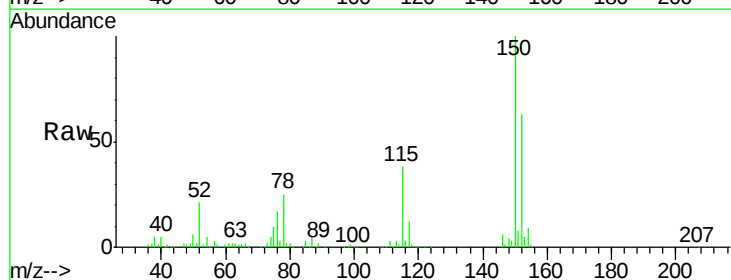
Tgt Ion:152 Resp: 118129

Ion Ratio Lower Upper

152 100

115 59.0 29.1 87.3

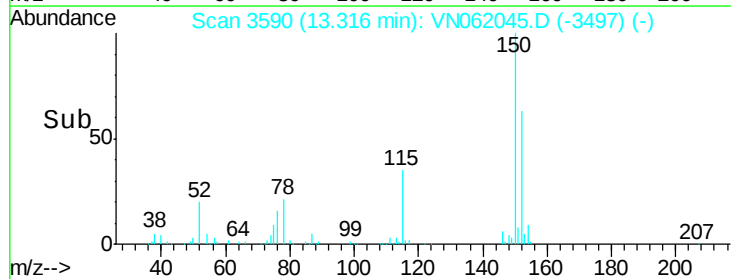
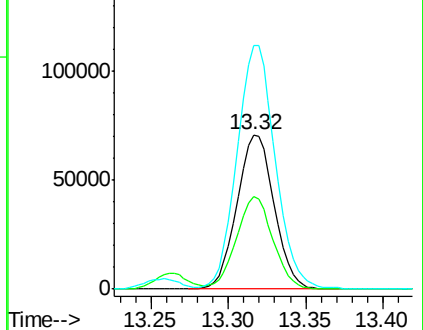
150 163.1 0.0 347.6

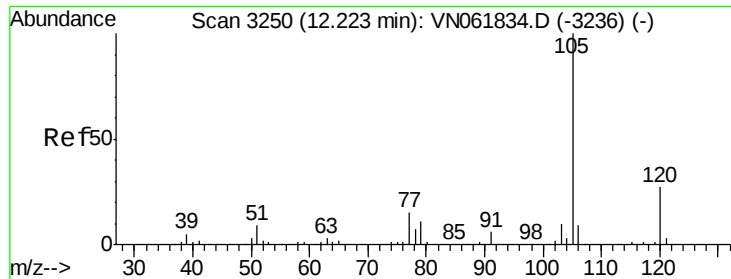


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.094 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBSD01

Tot Ion: 105 Resp: 177075

Ion Ratio Lower Upper

105 100

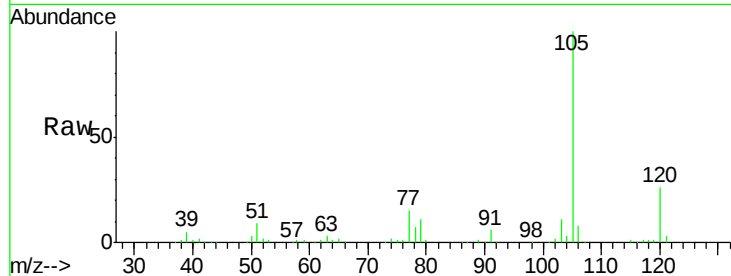
120 26.2 13.3 39.8

Manual Integrations

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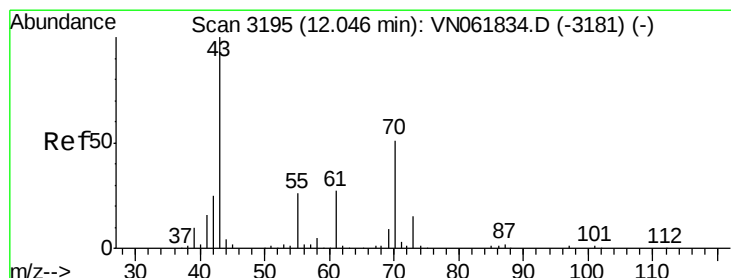
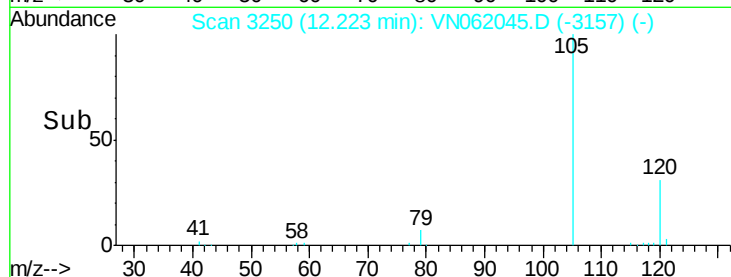
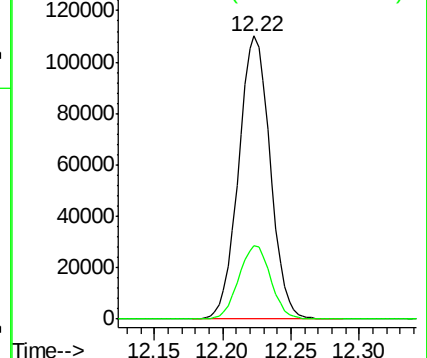
MMDadoda

6/24/2020 10:59:14 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.894 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Tgt Ion: 43 Resp: 60979

Ion Ratio Lower Upper

43 100

70 48.4 40.6 60.8

55 27.5 21.5 32.3

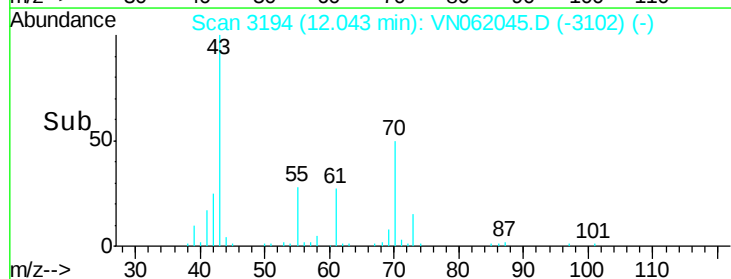
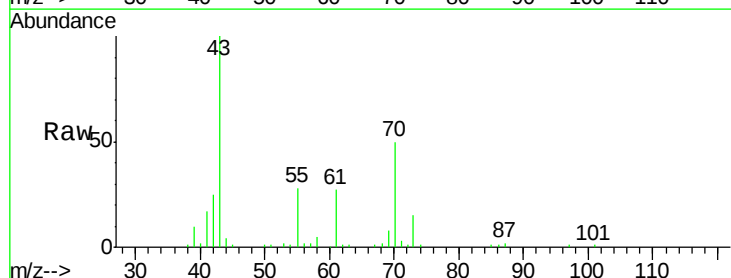
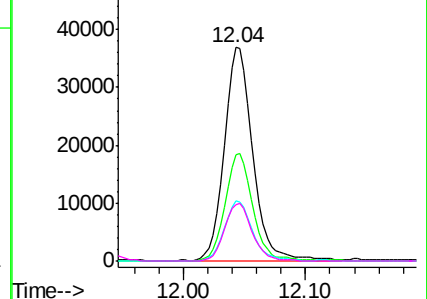
61 26.2 21.6 32.4

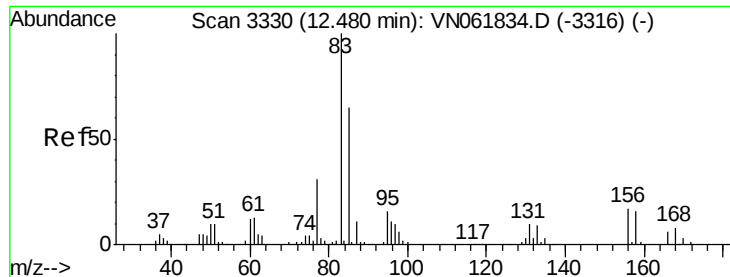
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.133 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Instrument :

MSVOA_N

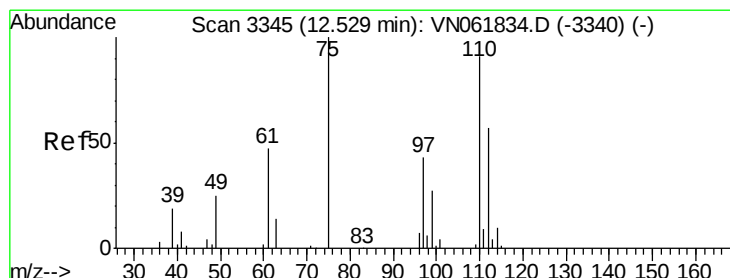
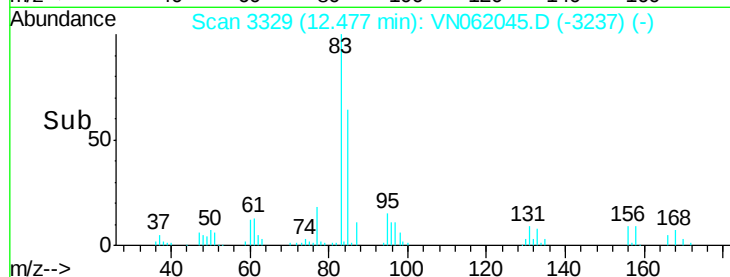
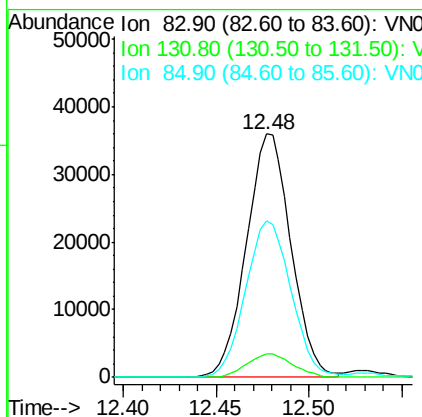
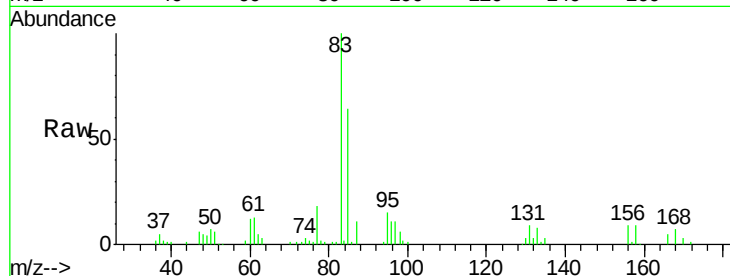
ClientSampleId :

VN0623WBSD01

Tot Ion:	83	Resp:	60405
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	15.0
85	65.5	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.634 ug/l m

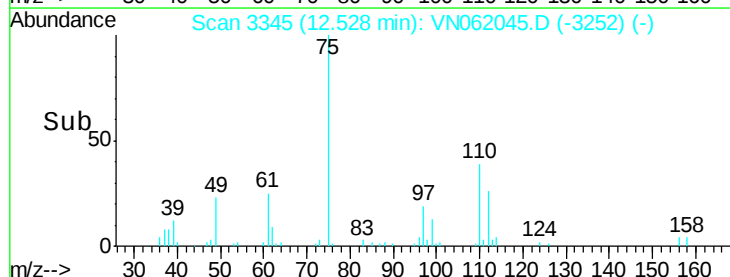
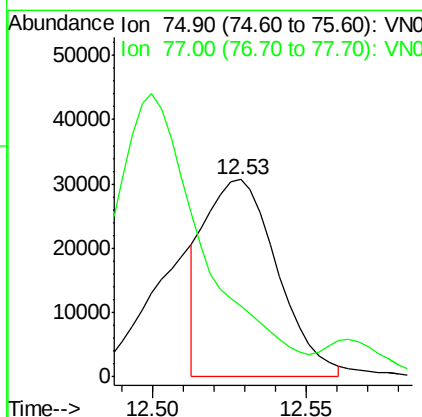
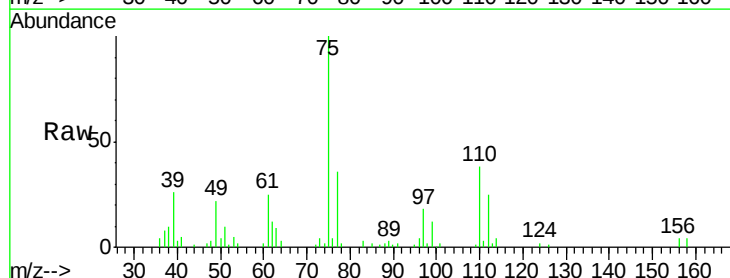
RT: 12.53 min Scan# 3345

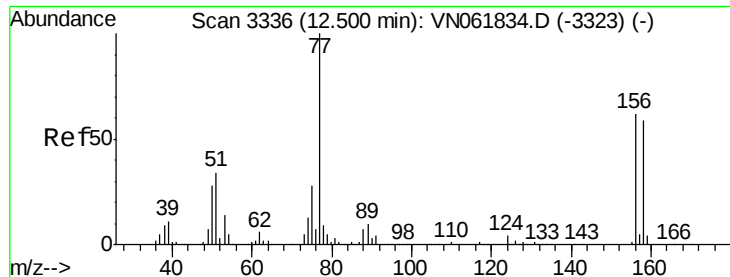
Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Tgt Ion:	75	Resp:	50174
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.546 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Instrument :

MSVOA_N

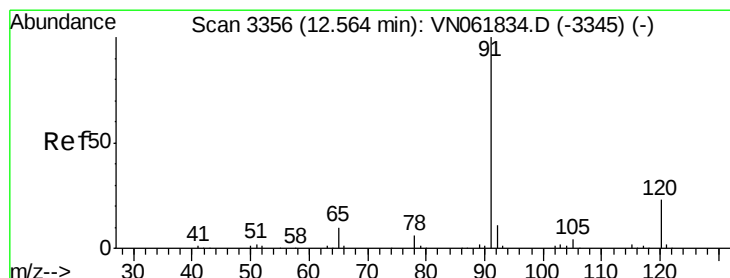
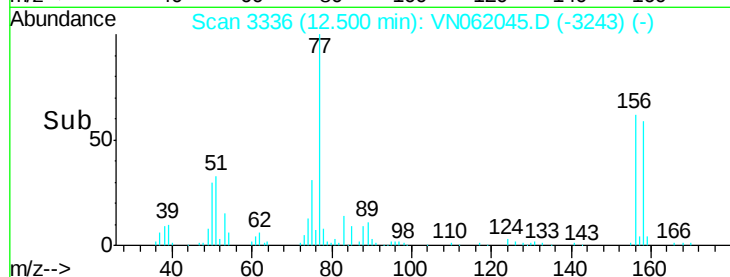
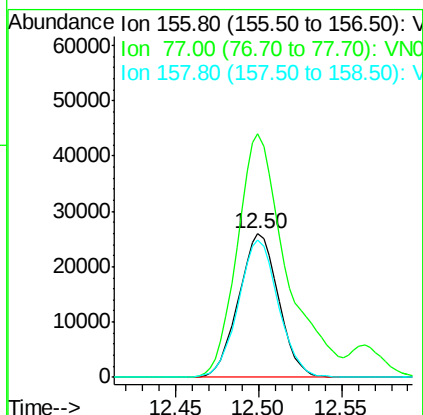
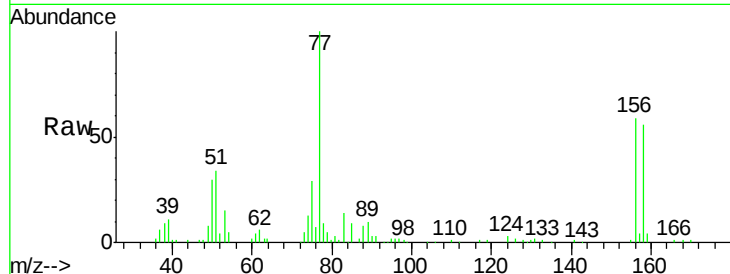
ClientSampleId :

VN0623WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	208.4	100.7	302.1
158	95.9	48.5	145.5

Manual Integrations
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#78

n-propylbenzene

Concen: 21.041 ug/l

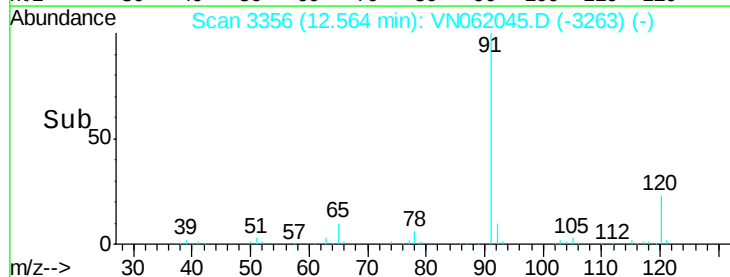
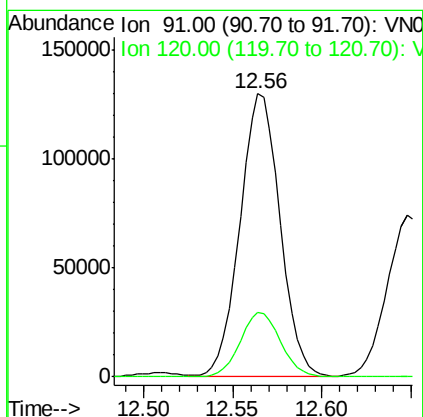
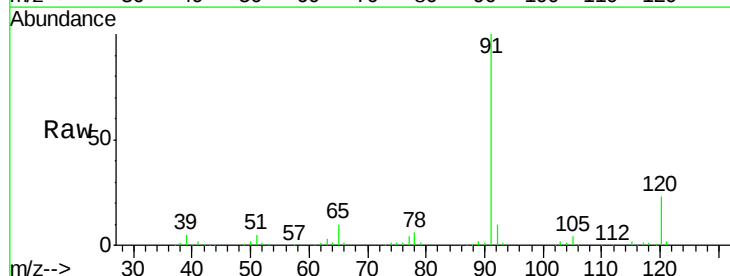
RT: 12.56 min Scan# 3356

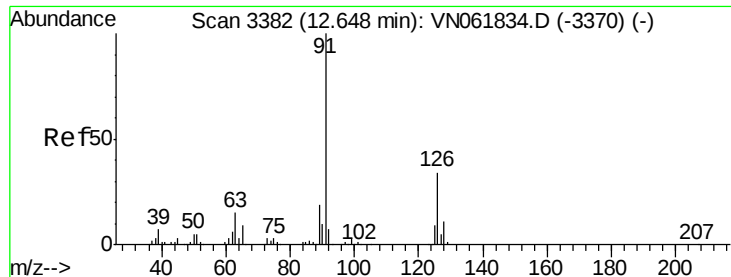
Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.6	34.8





#79

2-Chlorotoluene

Concen: 21.192 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBSD01

Tot Ion: 91 Resp: 121913

Ion Ratio Lower Upper

91 100

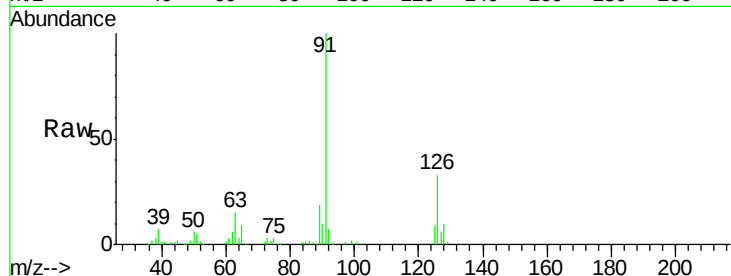
126 33.2 17.3 51.7

Manual Integrations

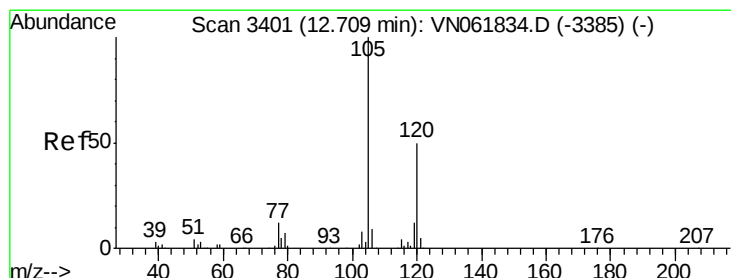
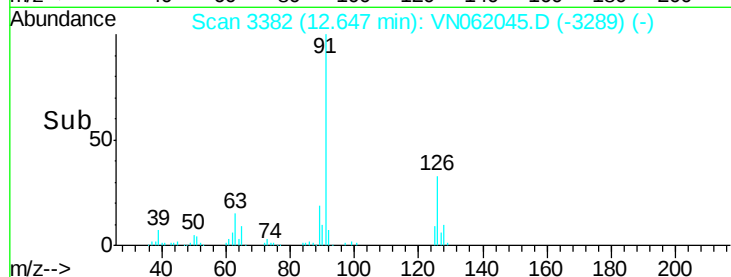
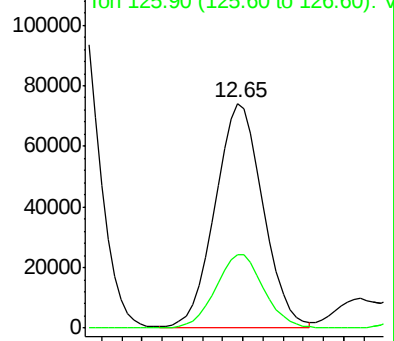
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Abundance Ion 91.00 (90.70 to 91.70): VN061834.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.048 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062045.D

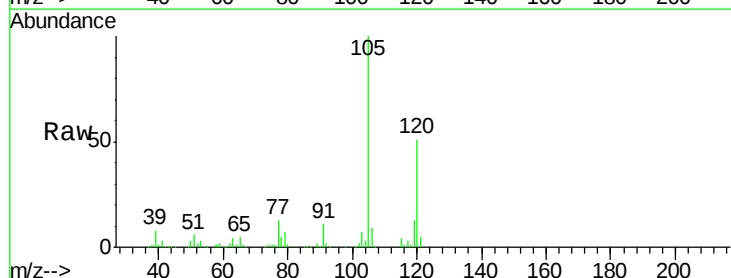
Acq: 23 Jun 2020 16:36

Tgt Ion: 105 Resp: 146174

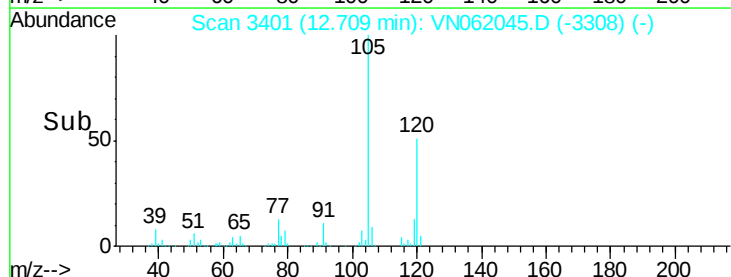
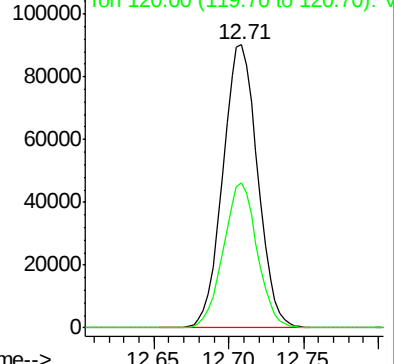
Ion Ratio Lower Upper

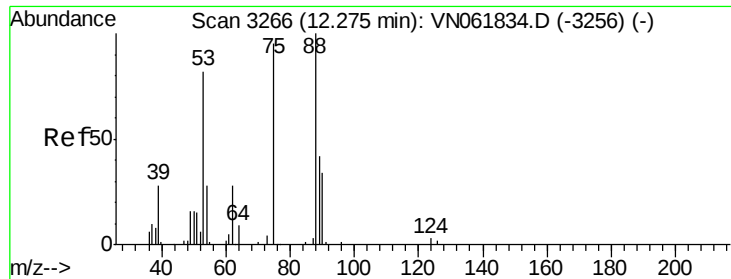
105 100

120 49.7 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VN061834.D (-3385) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.318 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Instrument :

MSVOA_N

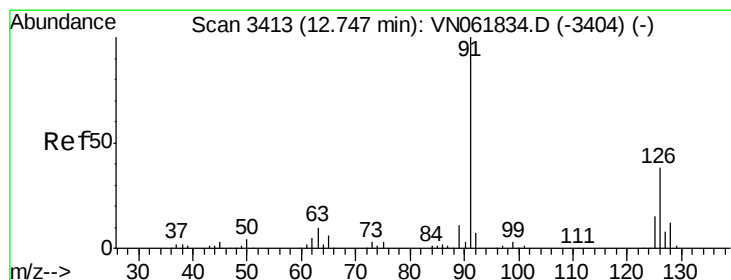
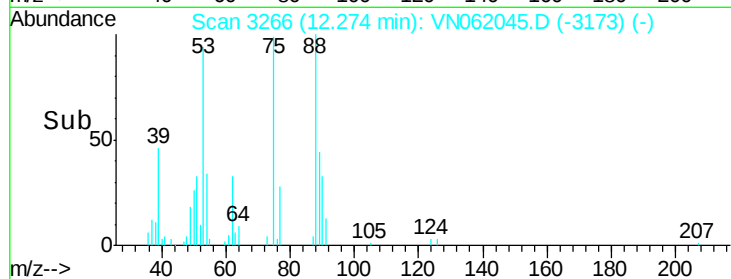
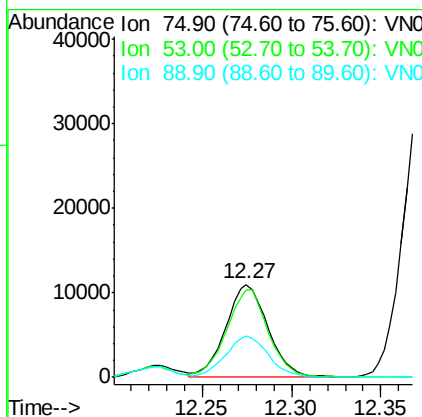
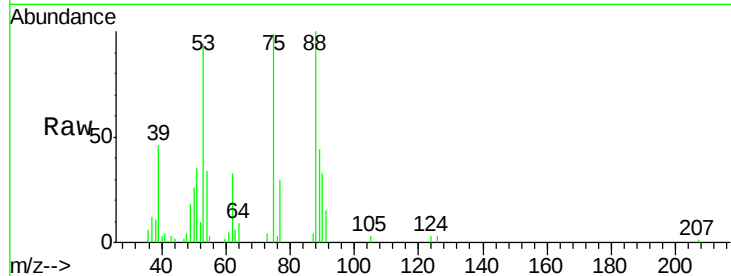
ClientSampled :

VN0623WBSD01

Tot Ion:	75	Resp:	18127
Ion Ratio	Lower	Upper	
75	100		
53	92.4	70.4	105.6
89	44.8	36.0	54.0

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#82

4-Chlorotoluene

Concen: 20.705 ug/l

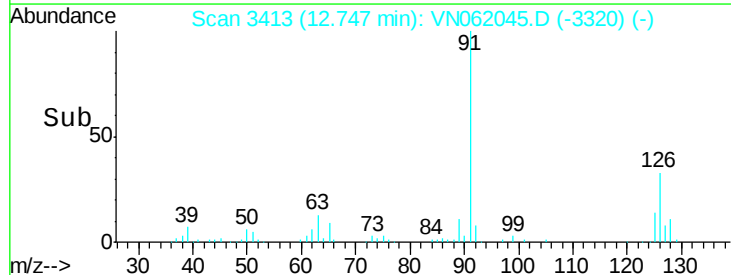
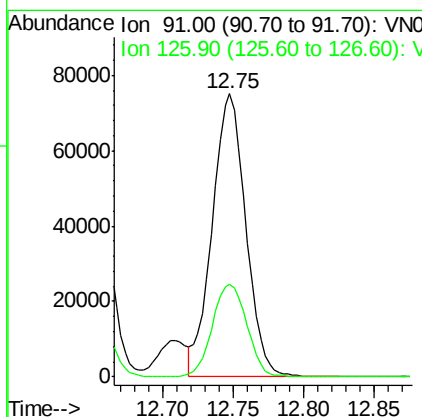
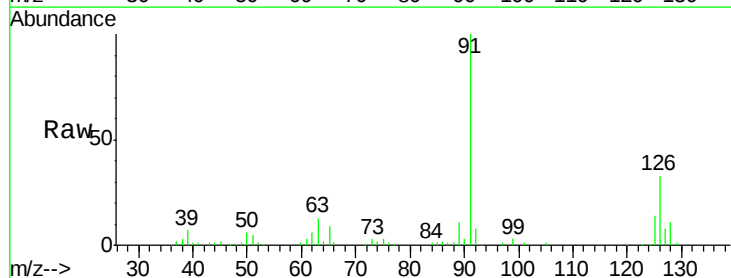
RT: 12.75 min Scan# 3413

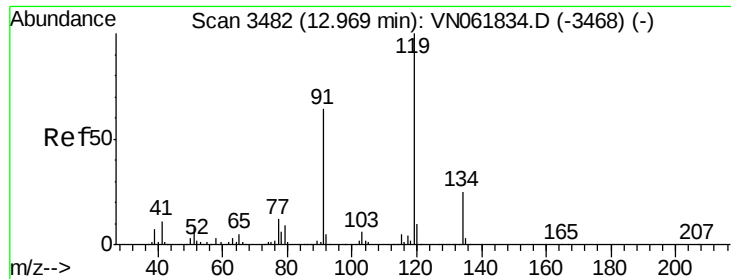
Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Tgt Ion:	91	Resp:	123075
Ion Ratio	Lower	Upper	
91	100		
126	34.1	17.2	51.6





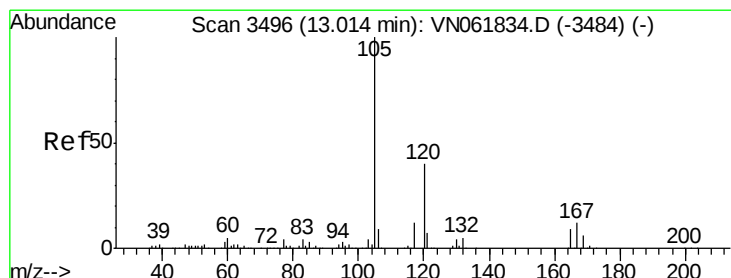
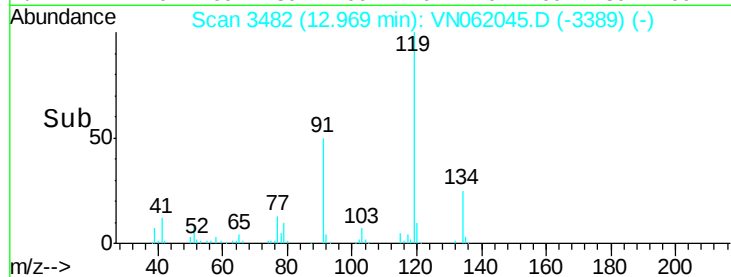
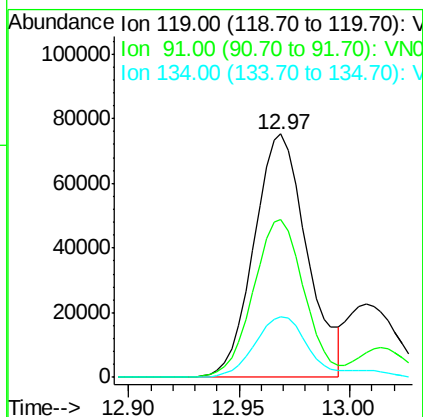
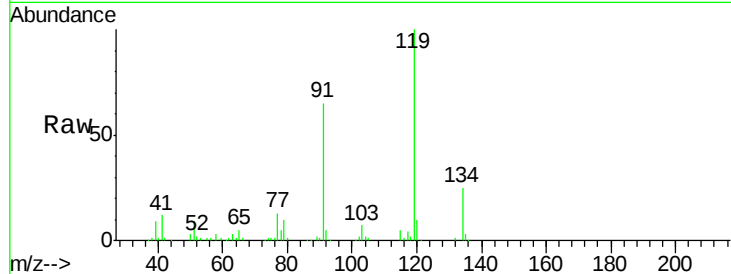
#83
 tert-Butylbenzene
 Concen: 21.269 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062045.D
 Acq: 23 Jun 2020 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0623WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	31.5	94.5
134	24.9	13.3	39.9

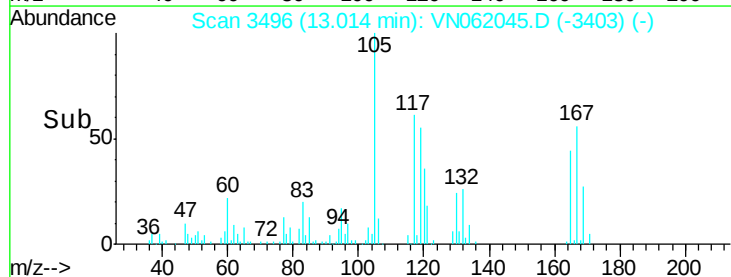
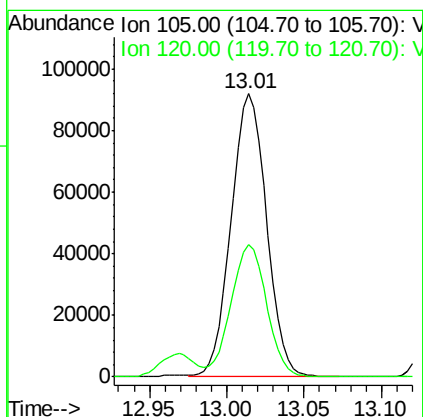
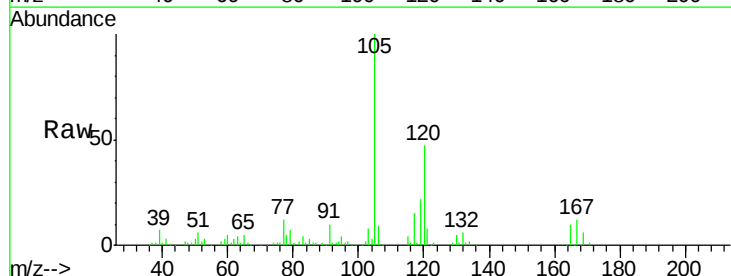
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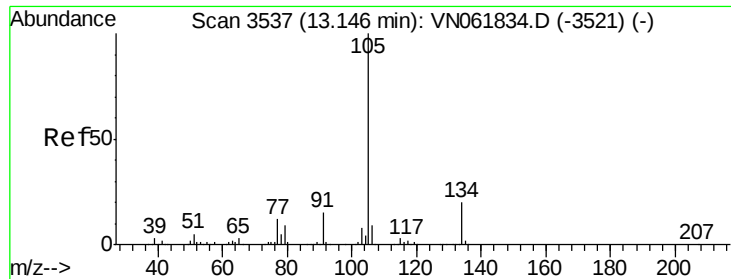
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.204 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062045.D
 Acq: 23 Jun 2020 16:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.3	69.9





#85

sec-Butylbenzene

Concen: 21.382 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBSD01

Tot Ion:105 Resp: 164772

Ion Ratio Lower Upper

105 100

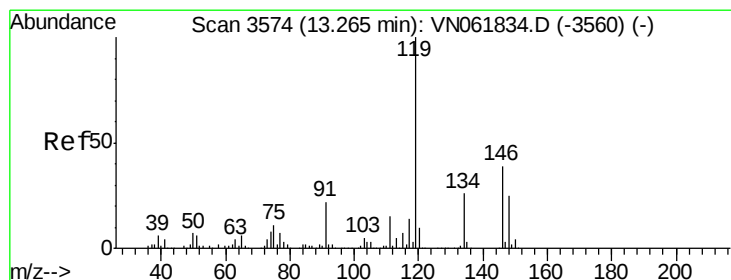
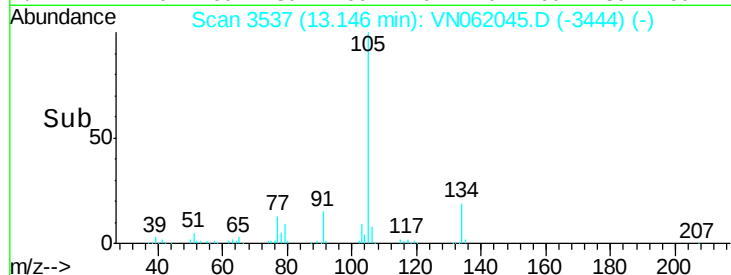
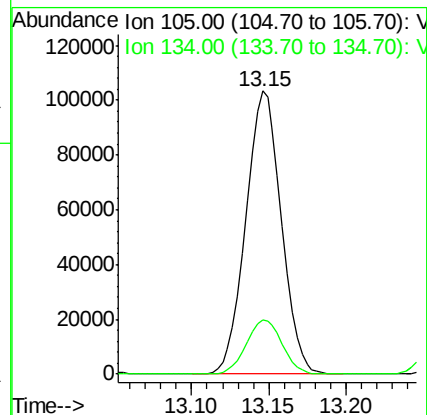
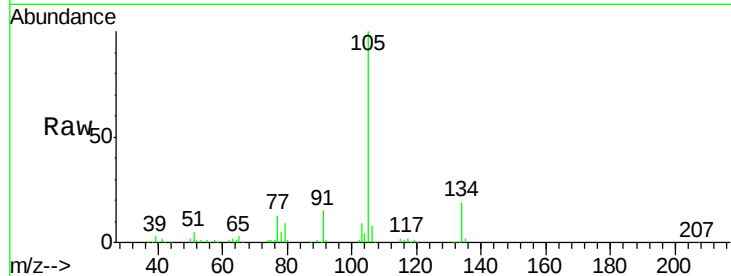
134 19.4 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 21.285 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

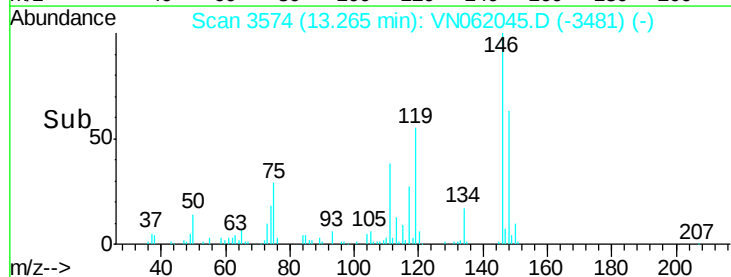
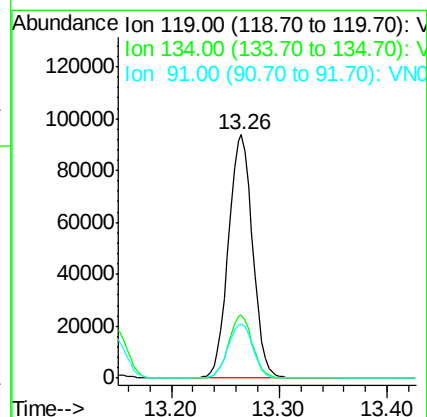
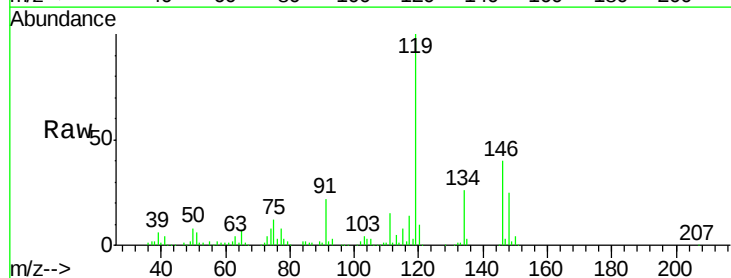
Tgt Ion:119 Resp: 146163

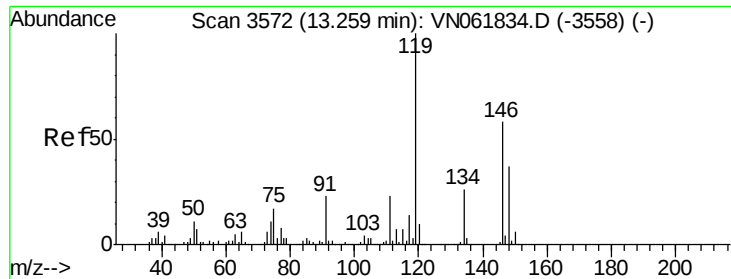
Ion Ratio Lower Upper

119 100

134 25.5 13.3 39.9

91 22.9 11.2 33.6





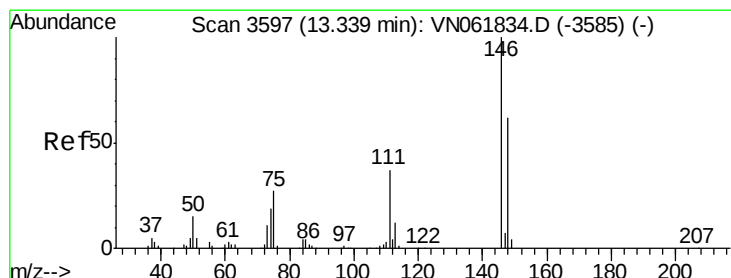
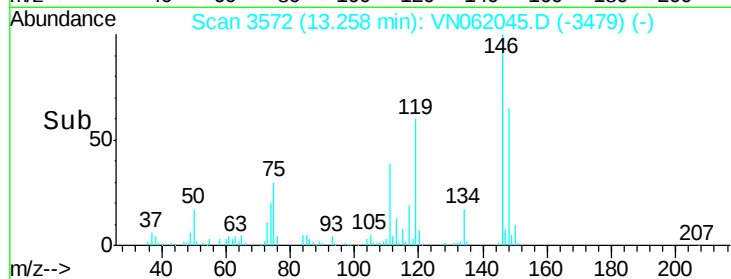
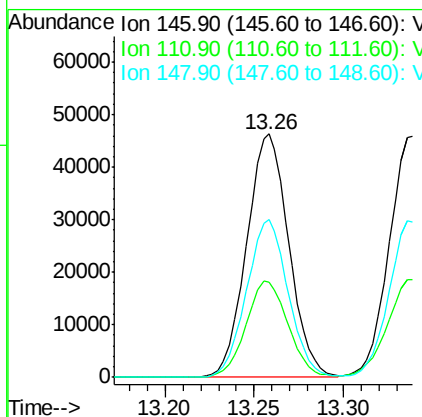
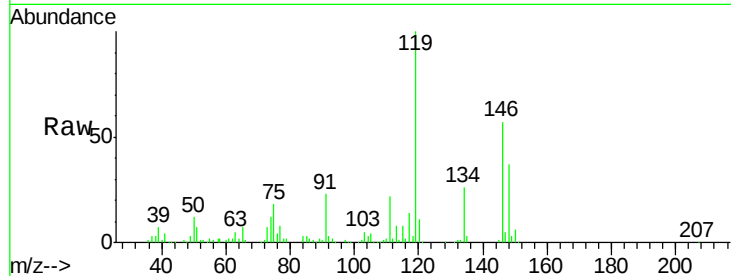
#87
 1,3-Dichlorobenzene
 Concen: 19.828 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062045.D
 Acq: 23 Jun 2020 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0623WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.8
148	64.1	31.8	95.4

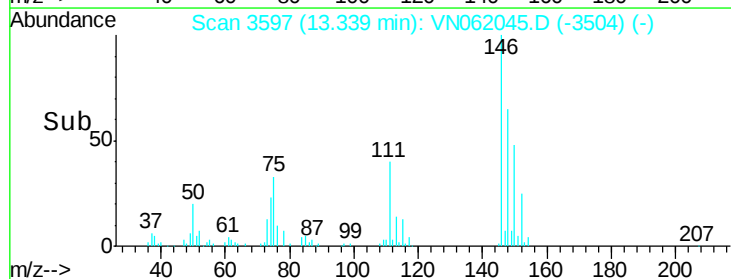
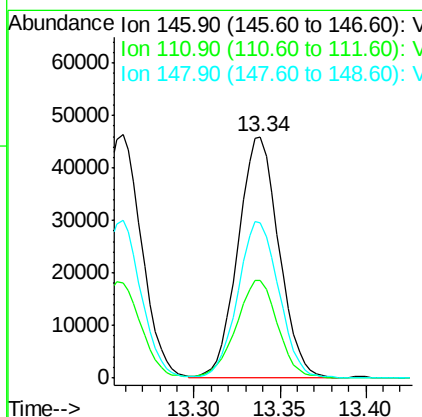
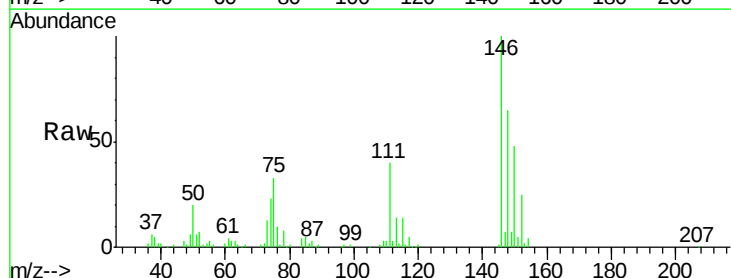
Manual Integrations
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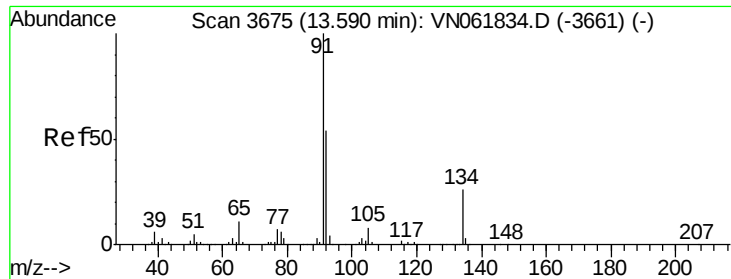
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#88
 1,4-Dichlorobenzene
 Concen: 19.197 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062045.D
 Acq: 23 Jun 2020 16:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.3	57.8
148	65.1	31.6	94.7





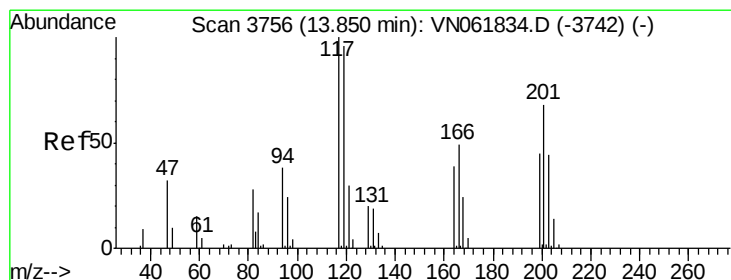
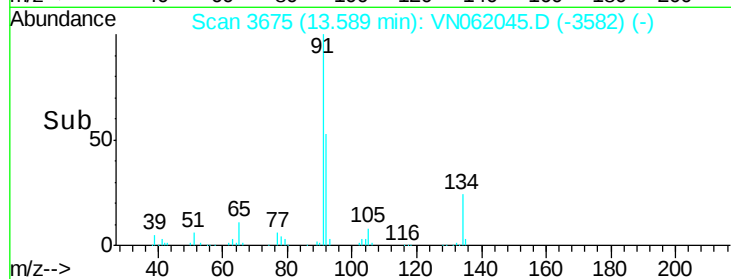
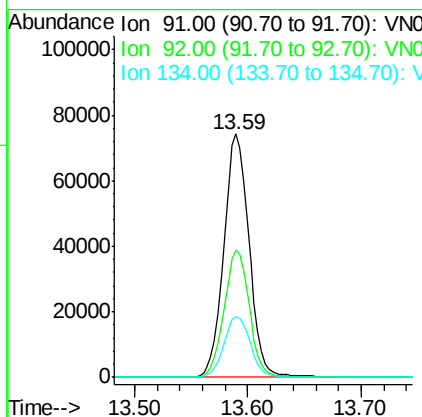
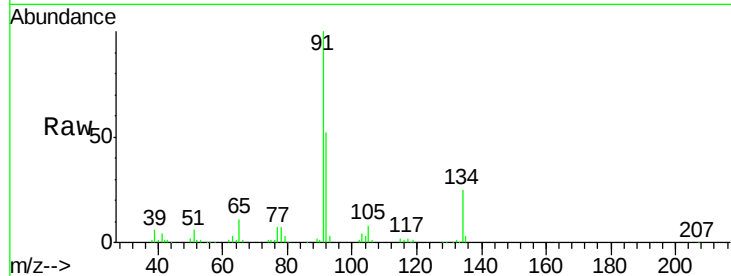
#89
n-Butylbenzene
Concen: 20.139 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.1	27.0	80.8	
134	26.0	13.0	39.0	

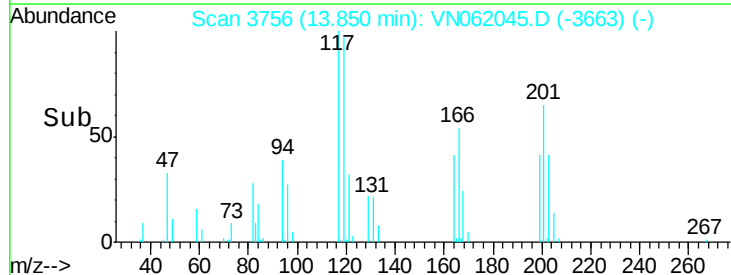
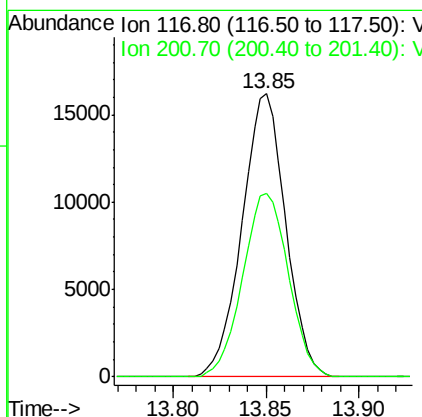
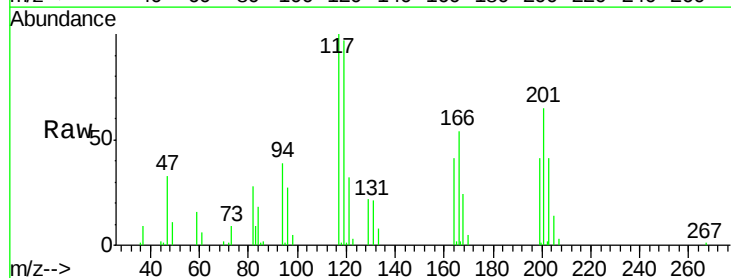
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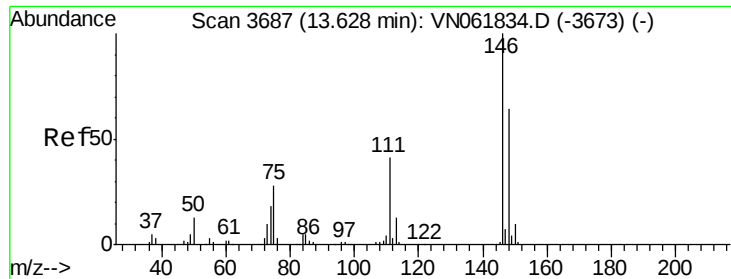
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6/24/2020 10:59:14 AM



#90
Hexachloroethane
Concen: 21.158 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	67.8	34.6	103.8	





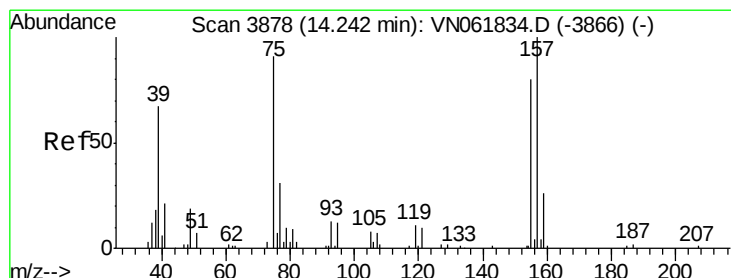
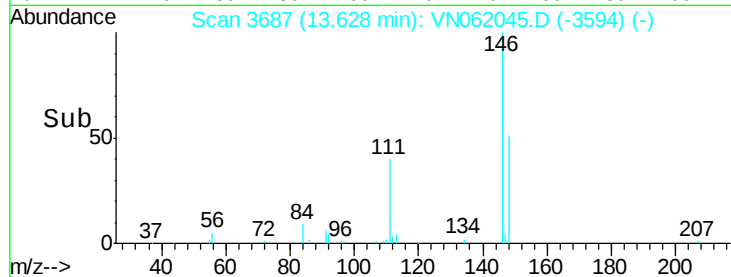
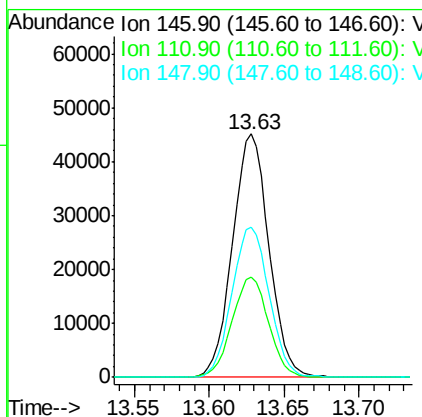
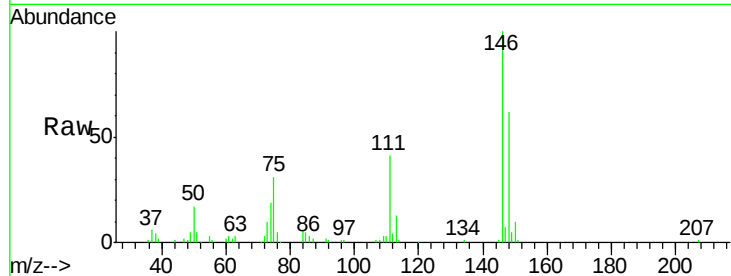
#91
 1,2-Dichlorobenzene
 Concen: 20.547 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062045.D
 Acq: 23 Jun 2020 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0623WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.4	61.2
148	63.1	31.8	95.4

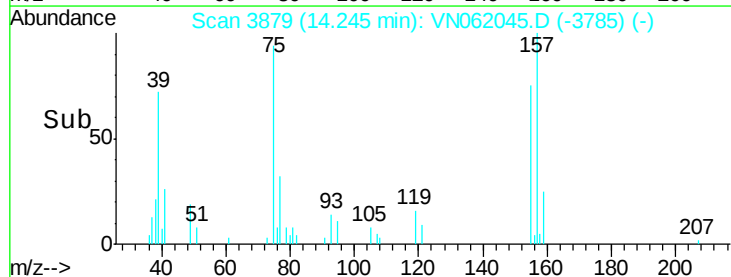
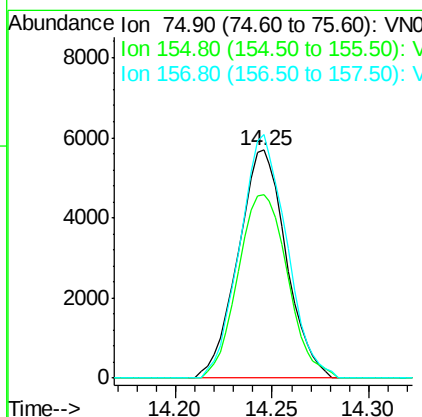
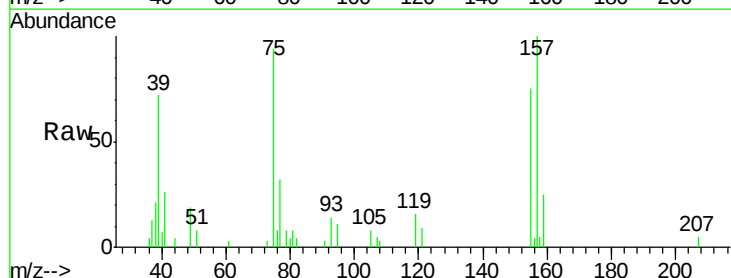
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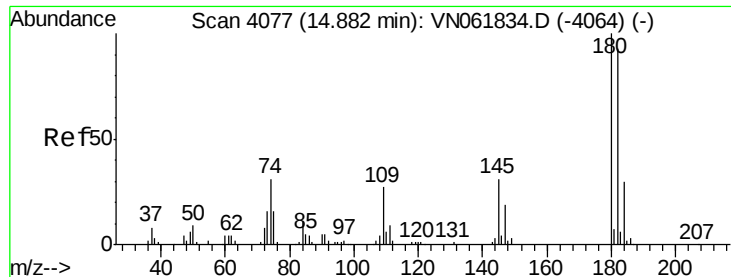
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.256 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062045.D
 Acq: 23 Jun 2020 16:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.0	44.4	133.2
157	103.7	57.0	171.2





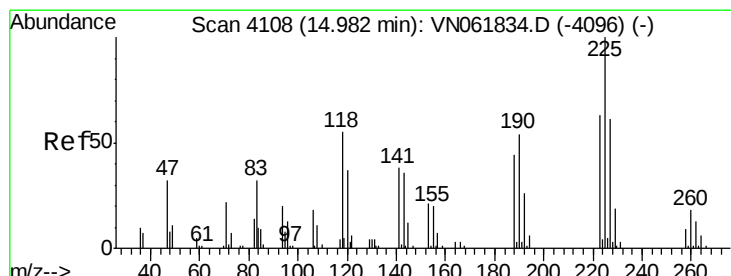
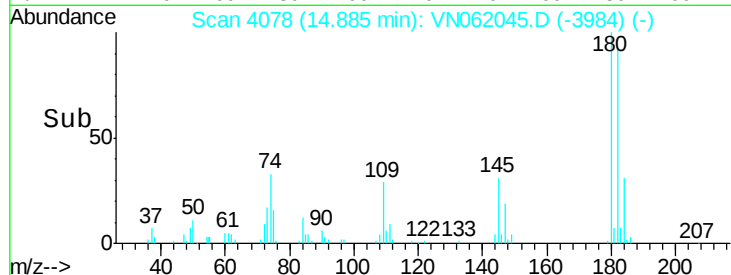
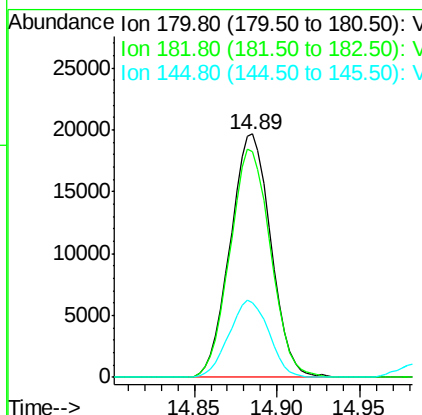
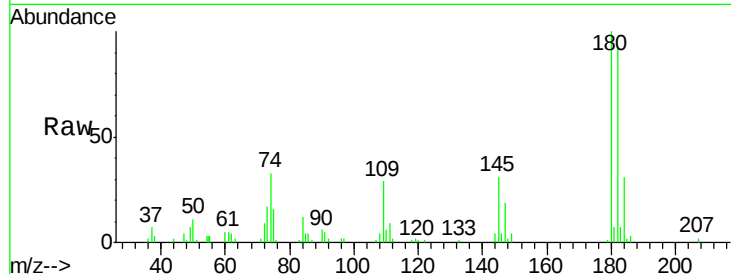
#93
1,2,4-Trichlorobenzene
Concen: 19.104 ug/l
RT: 14.89 min Scan# 4078
Delta R.T. 0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Instrument :
MSVOA_N
ClientSampled :
VN0623WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.0	141.2
145	31.1	15.8	47.3

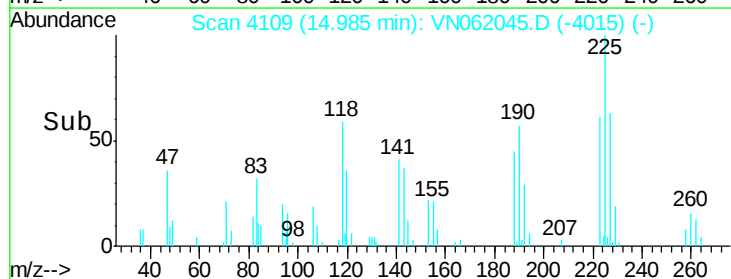
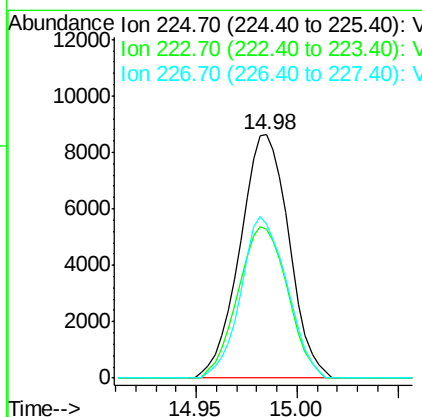
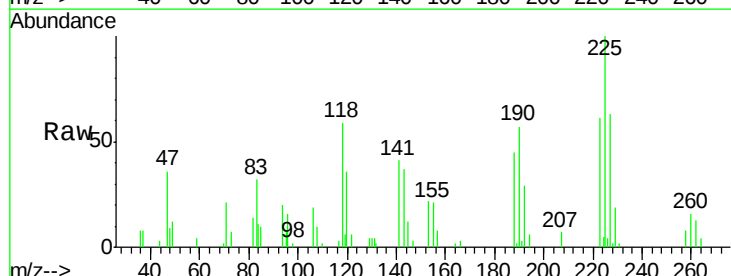
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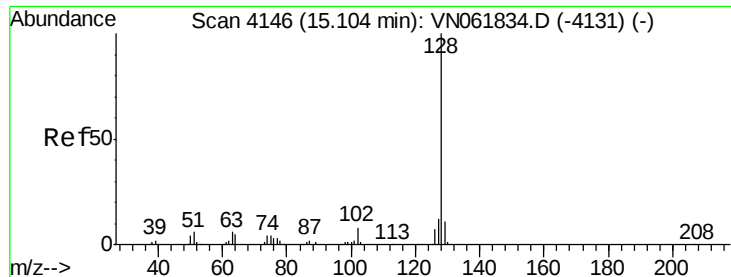
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#94
Hexachlorobutadiene
Concen: 21.232 ug/l
RT: 14.98 min Scan# 4109
Delta R.T. 0.00 min
Lab File: VN062045.D
Acq: 23 Jun 2020 16:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.7	95.1
227	62.2	30.1	90.3





#95

Naphthalene

Concen: 18.756 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Instrument :

MSVOA_N

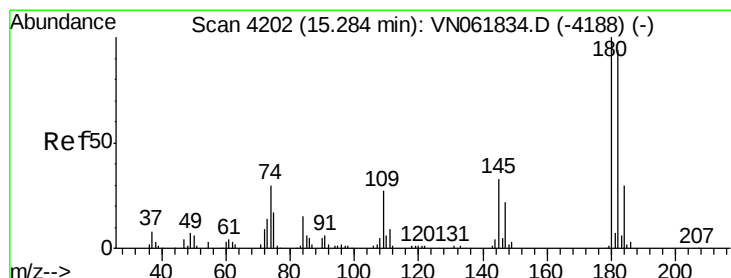
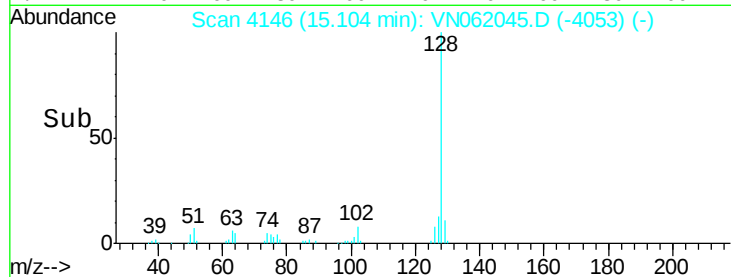
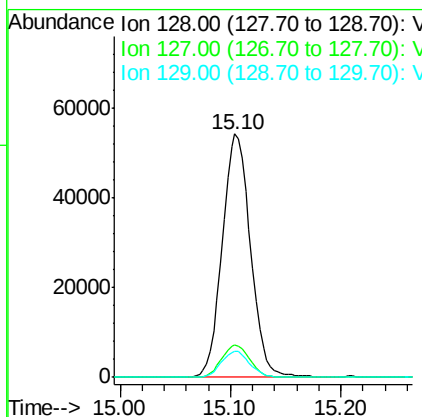
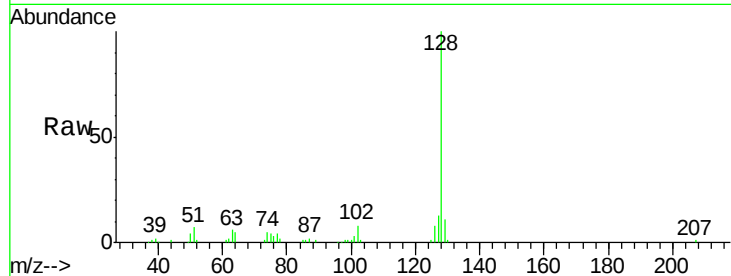
ClientSampleId :

VN0623WBSD01

Tot Ion:	128	Resp:	96464
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.3	15.5
129	10.7	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.672 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062045.D

Acq: 23 Jun 2020 16:36

Tgt Ion:	180	Resp:	34185
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.9	143.6
145	33.1	16.5	49.5

