

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062320\
 Data File : VN062044.D
 Acq On : 23 Jun 2020 16:06
 Operator : JC/MD
 Sample : VN0623WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0623WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:59:12 AM

Quant Time: Jun 24 01:49:42 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	161691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	279180	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	263214	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	121831	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	109418	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
35) Dibromofluoromethane	7.55	113	90092	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
50) Toluene-d8	10.06	98	350174	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.37	95	119820	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	40270	19.321	ug/l	95
3) Chloromethane	2.03	50	39832	17.748	ug/l	98
4) Vinyl Chloride	2.16	62	48310	18.056	ug/l	98
5) Bromomethane	2.53	94	32752	15.941	ug/l	96
6) Chloroethane	2.67	64	34268	18.925	ug/l	99
7) Trichlorofluoromethane	2.98	101	62449	19.540	ug/l	99
8) Diethyl Ether	3.37	74	22844	21.262	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	34706	21.167	ug/l	99
10) Methyl Iodide	3.90	142	30870	19.260	ug/l	99
11) Tert butyl alcohol	4.73	59	30398	101.300	ug/l	99
12) 1,1-Dichloroethene	3.69	96	31670	19.277	ug/l	98
13) Acrolein	3.56	56	10442	58.222	ug/l	97
14) Allyl chloride	4.27	41	47037	21.572	ug/l	97
15) Acrylonitrile	4.93	53	83964	112.924	ug/l	100
16) Acetone	3.77	43	70751	110.455	ug/l	96
17) Carbon Disulfide	4.01	76	75580	15.723	ug/l	99
18) Methyl Acetate	4.27	43	40135	21.764	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	116270	21.256	ug/l	97
20) Methylene Chloride	4.50	84	41387	19.832	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	35211	18.660	ug/l	99
22) Diisopropyl ether	5.90	45	109215	21.901	ug/l	96
23) Vinyl Acetate	5.84	43	417303	106.398	ug/l	98
24) 1,1-Dichloroethane	5.80	63	68846	21.090	ug/l	99
25) 2-Butanone	6.78	43	102325	109.491	ug/l	98
26) 2,2-Dichloropropane	6.77	77	57100	20.791	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	43167	19.826	ug/l	97
28) Bromochloromethane	7.14	49	29121	20.035	ug/l	91
29) Tetrahydrofuran	7.17	42	65881	107.118	ug/l	96
30) Chloroform	7.33	83	71817	20.585	ug/l	99
31) Cyclohexane	7.61	56	52820	18.483	ug/l	96
32) 1,1,1-Trichloroethane	7.52	97	59902	20.161	ug/l	99
36) 1,1-Dichloropropene	7.75	75	49601	19.479	ug/l	100
37) Ethyl Acetate	6.88	43	43551	21.901	ug/l #	87
38) Carbon Tetrachloride	7.73	117	48924	19.401	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	52001	18.965	ug/l	99
40) Benzene	8.00	78	154200	19.990	ug/l	99
41) Methacrylonitrile	7.13	41	18685	21.974	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	54432	20.695	ug/l	100
43) Isopropyl Acetate	8.12	43	73368	21.894	ug/l #	91
44) Trichloroethene	8.80	130	38755	19.091	ug/l	97
45) 1,2-Dichloropropane	9.08	63	39972	21.086	ug/l	99
46) Dibromomethane	9.17	93	27786	20.815	ug/l	95
47) Bromodichloromethane	9.37	83	56210	20.564	ug/l	97
48) Methyl methacrylate	9.17	41	31364	20.581	ug/l	98
49) 1,4-Dioxane	9.17	88	14366	410.593	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	217963	110.066	ug/l	99
52) Toluene	10.12	92	100748	20.797	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	59848	20.625	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	66398	21.067	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	40768	21.389	ug/l	96
56) Ethyl methacrylate	10.40	69	53441	20.192	ug/l	98
57) 1,3-Dichloropropane	10.68	76	69081	21.393	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	97946	97.367	ug/l	97
59) 2-Hexanone	10.72	43	152424	104.584	ug/l	99
60) Dibromochloromethane	10.87	129	42252	19.866	ug/l	97
61) 1,2-Dibromoethane	10.98	107	40141	20.168	ug/l	99
64) Tetrachloroethene	10.60	164	32718	19.502	ug/l	98
65) Chlorobenzene	11.40	112	109293	19.678	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	39341	20.310	ug/l	99
67) Ethyl Benzene	11.48	91	184725	19.837	ug/l	99
68) m/p-Xylenes	11.59	106	145005	40.383	ug/l	99
69) o-Xylene	11.92	106	67548	19.716	ug/l	96
70) Styrene	11.94	104	115190	20.080	ug/l	99
71) Bromoform	12.10	173	27447	19.433	ug/l #	99
73) Isopropylbenzene	12.22	105	182933	21.130	ug/l	99
74) N-amyl acetate	12.04	43	58786	20.665	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	58583	20.813	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	51915m	21.705	ug/l	
77) Bromobenzene	12.50	156	44672	20.453	ug/l	98
78) n-propylbenzene	12.56	91	209443	21.202	ug/l	100
79) 2-Chlorotoluene	12.65	91	124579	20.998	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	149171	20.827	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	17256	19.677	ug/l	93
82) 4-Chlorotoluene	12.75	91	129220	21.078	ug/l	97
83) tert-Butylbenzene	12.97	119	125489	20.666	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	149663	21.168	ug/l	100
85) sec-Butylbenzene	13.15	105	170391	21.439	ug/l	99
86) p-Isopropyltoluene	13.26	119	149122	21.056	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	78829	19.788	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	78332	19.210	ug/l	97
89) n-Butylbenzene	13.59	91	119435	20.193	ug/l	99
90) Hexachloroethane	13.85	117	28232	21.777	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	78162	20.381	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	9359	20.481	ug/l	96

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ClientSampleId :
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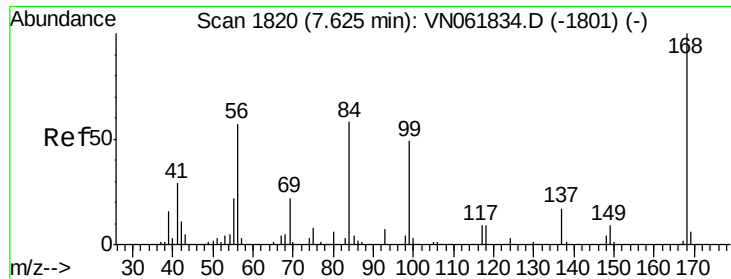
Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:59:12 AM

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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)
93) 1,2,4-Trichlorobenzene	14.88	180	34335	18.973	ug/l	98
94) Hexachlorobutadiene	14.98	225	15297	21.462	ug/l	99
95) Naphthalene	15.10	128	92592	17.697	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	33540	18.714	ug/l	100

(#) = 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: VN062044.D

Acq: 23 Jun 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBS01

Tot Ion:168 Resp: 161691

Ion Ratio Lower Upper

168 100

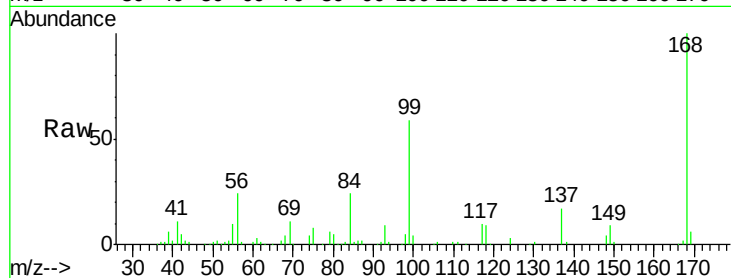
99 59.2 44.6 67.0

Manual Integrations

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6/24/2020 10:59:12 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

60000

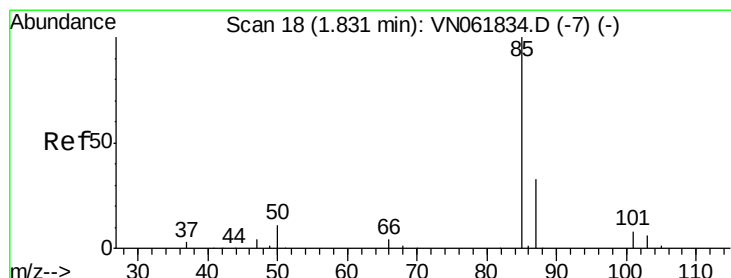
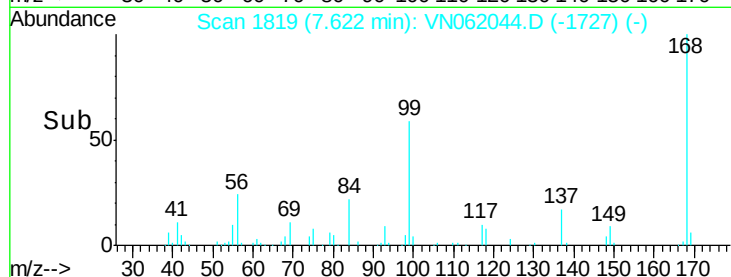
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.321 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062044.D

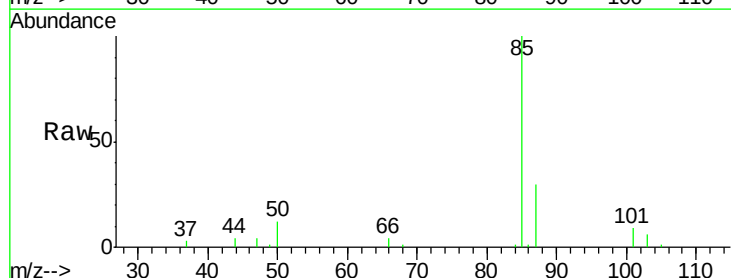
Acq: 23 Jun 2020 16:06

Tgt Ion: 85 Resp: 40270

Ion Ratio Lower Upper

85 100

87 30.2 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

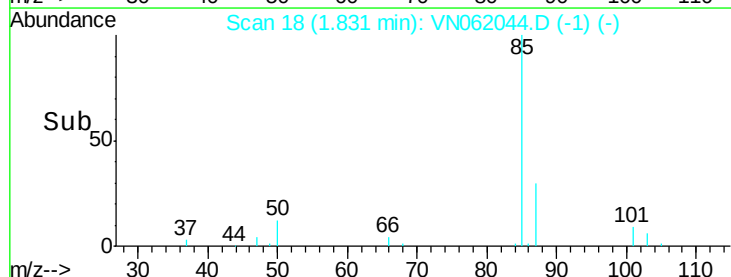
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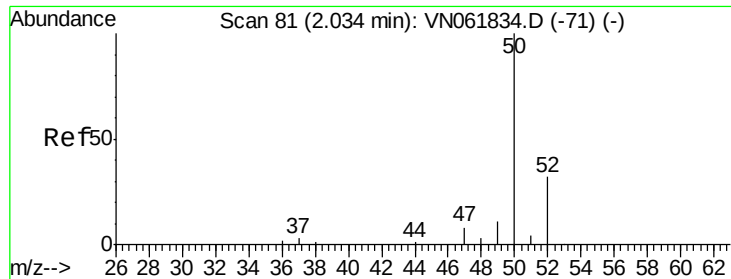
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.748 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBS01

Tot Ion: 50 Resp: 39832

Ion Ratio Lower Upper

50 100

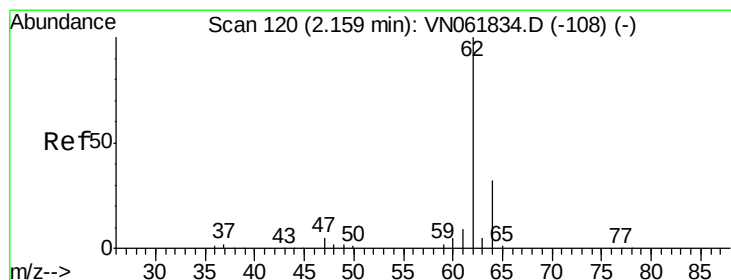
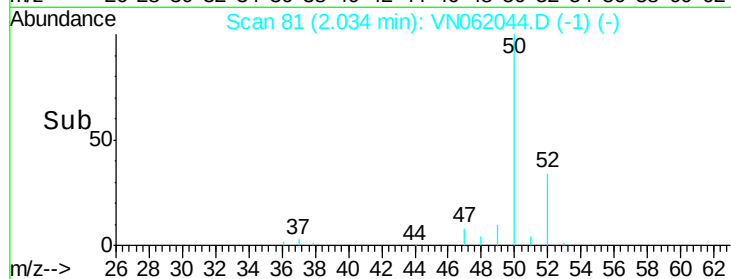
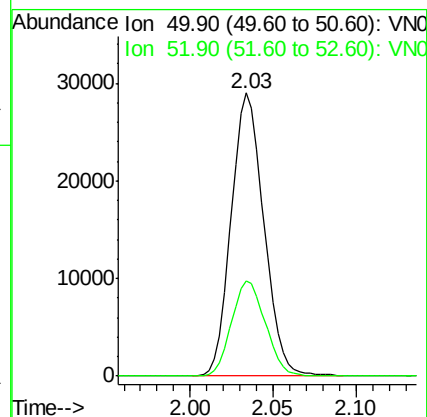
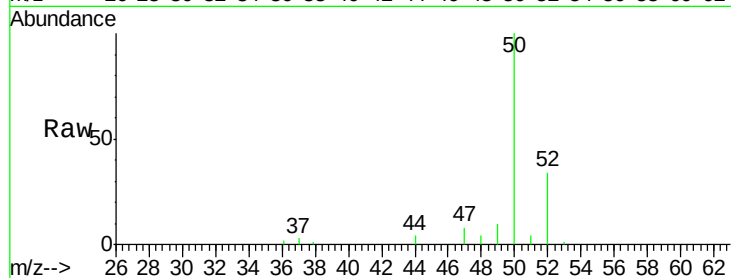
52 33.6 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.056 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062044.D

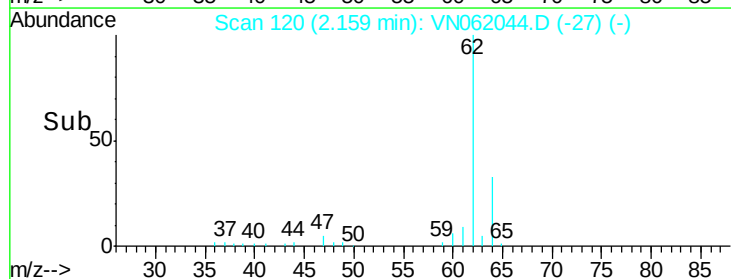
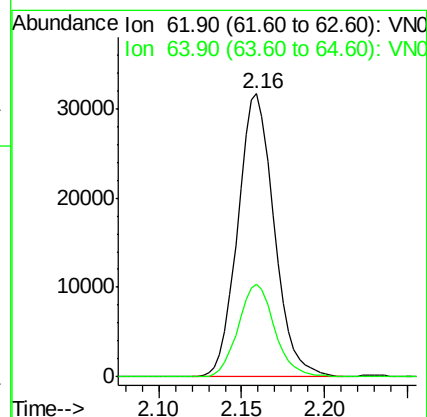
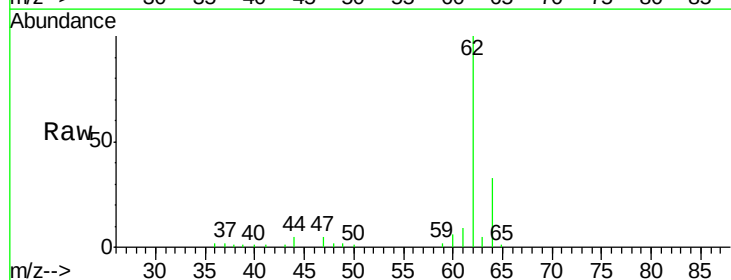
Acq: 23 Jun 2020 16:06

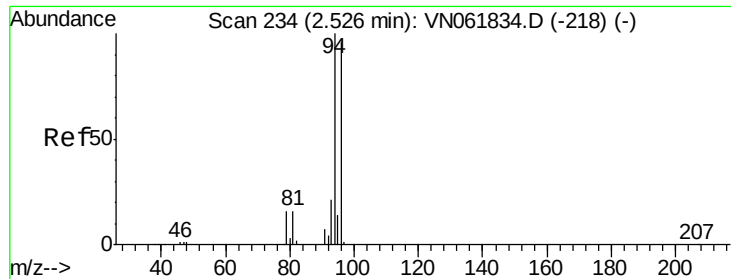
Tgt Ion: 62 Resp: 48310

Ion Ratio Lower Upper

62 100

64 32.8 25.5 38.3





#5

Bromomethane

Concen: 15.941 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBS01

Tot Ion: 94 Resp: 32752

Ion Ratio Lower Upper

94 100

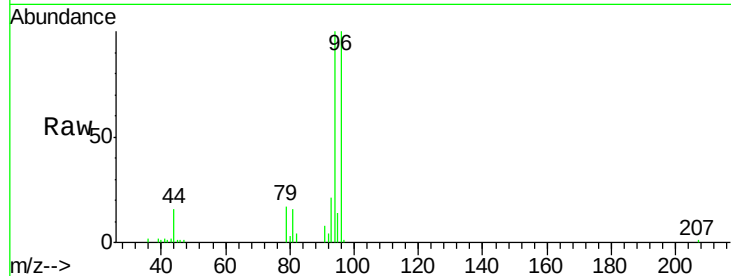
96 99.8 76.7 115.1

Manual Integrations

APPROVED

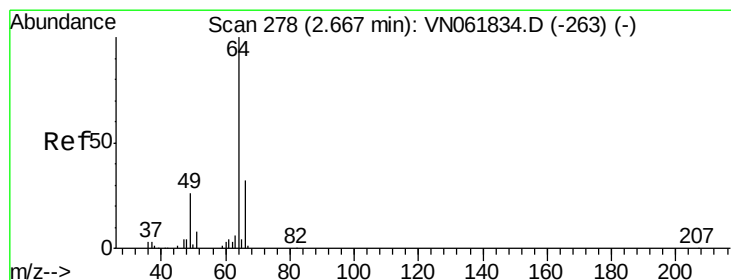
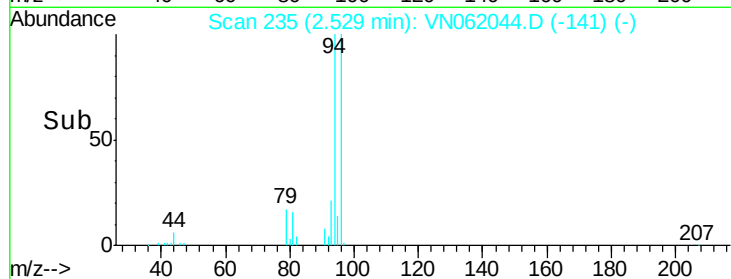
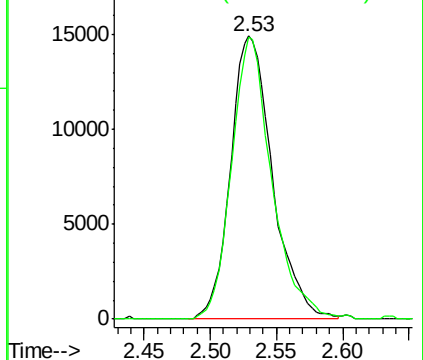
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.925 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN062044.D

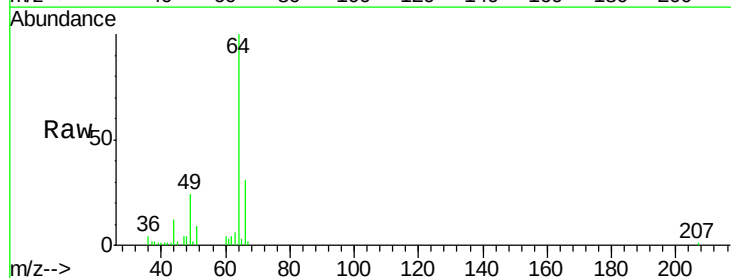
Acq: 23 Jun 2020 16:06

Tgt Ion: 64 Resp: 34268

Ion Ratio Lower Upper

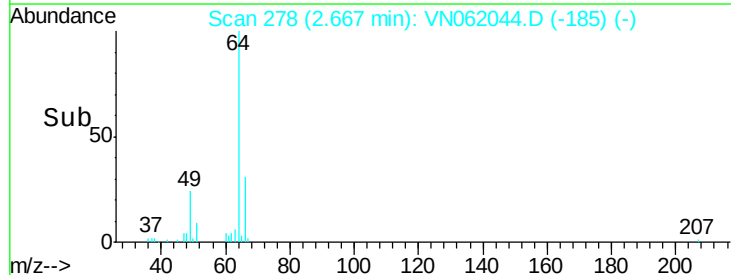
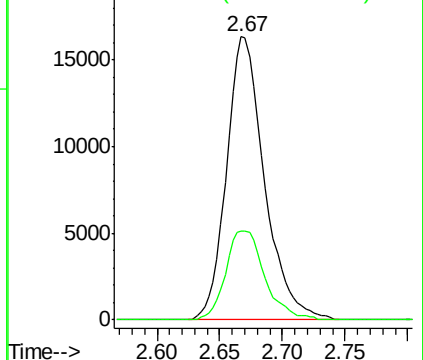
64 100

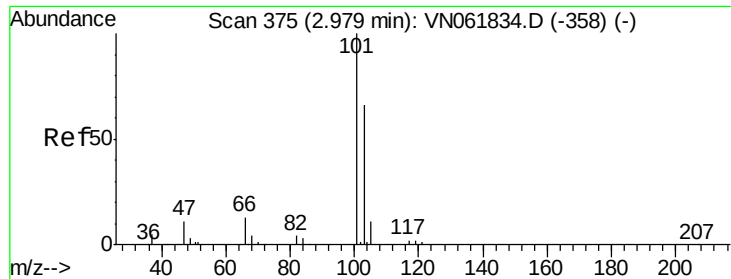
66 31.2 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

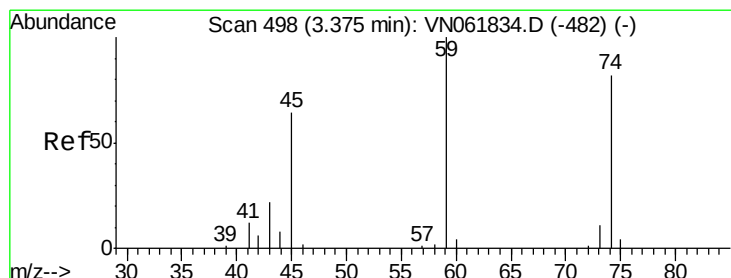
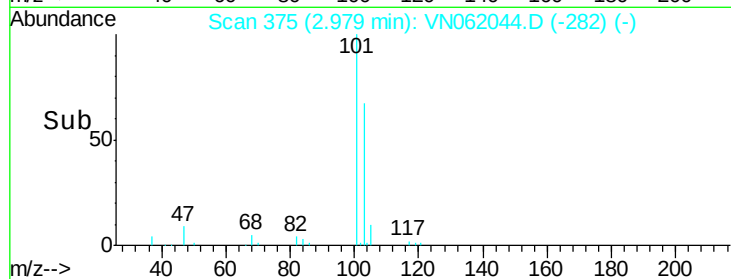
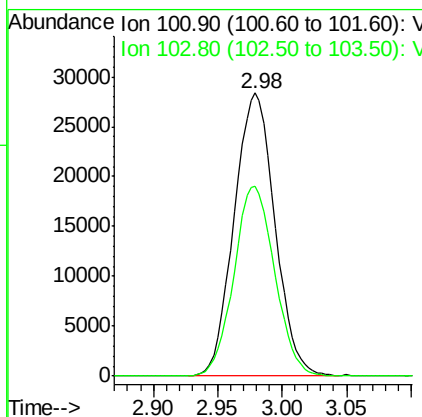
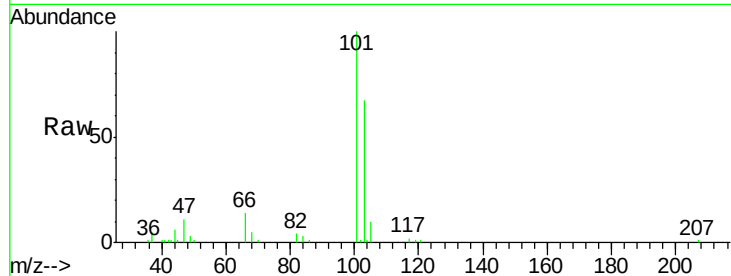
Trichlorofluoromethane
Concen: 19.540 ug/l
RT: 2.98 min Scan# 375
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Instrument :
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VN0623WBS01

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	66.9	52.8	79.2	

Manual Integrations
APPROVED

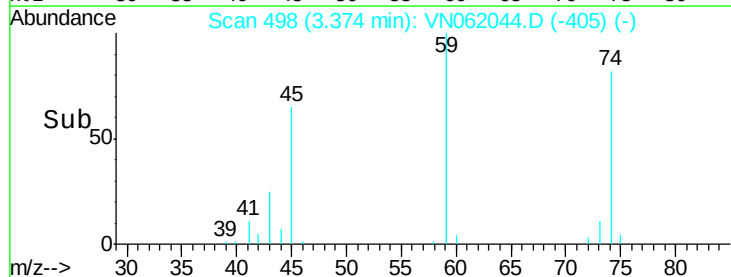
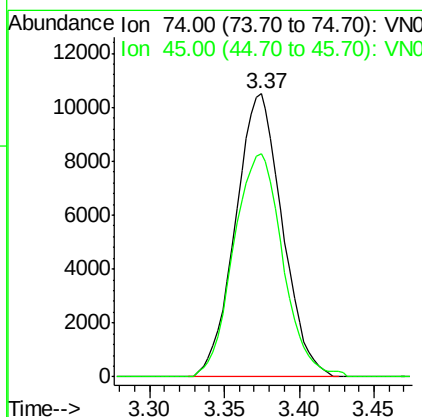
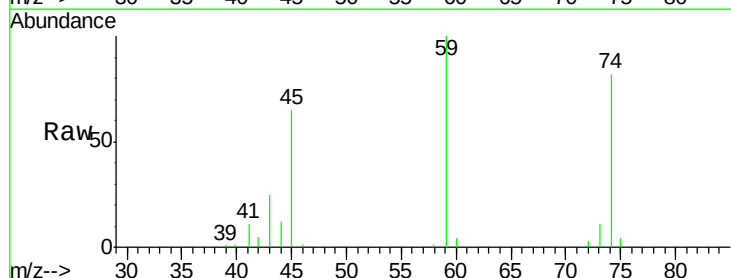
MMDadoda
6/24/2020 10:59:12 AM

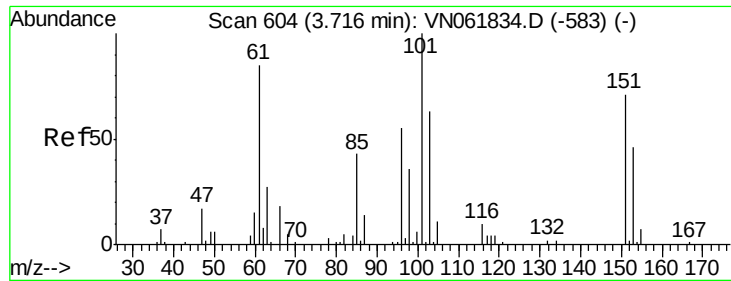


#8

Diethyl Ether
Concen: 21.262 ug/l
RT: 3.37 min Scan# 498
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	82.8	39.1	117.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.167 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

Instrument :

MSVOA_N

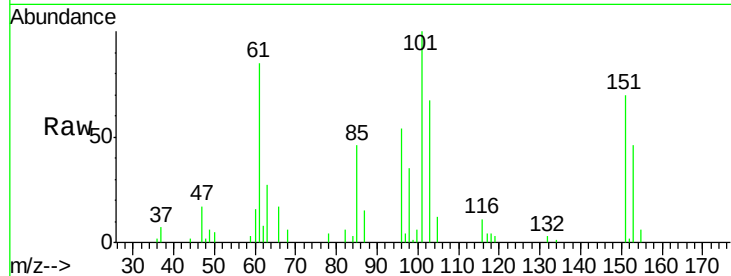
ClientSampleId :

VN0623WBS01

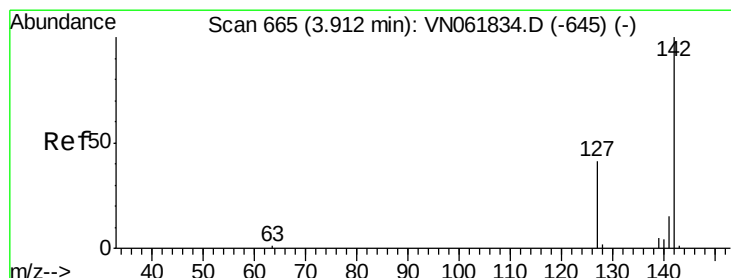
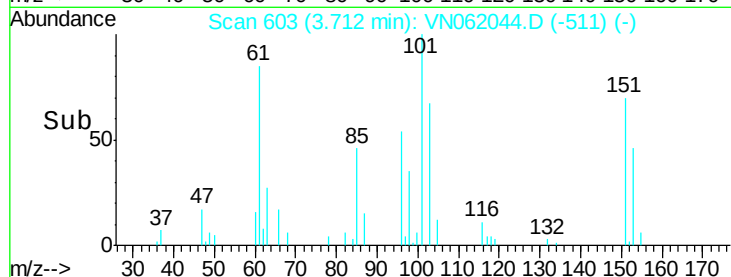
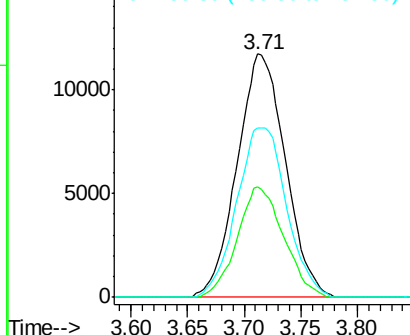
Tot Ion:	101	Resp:	34706
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.0	52.6
151	72.1	59.2	88.8

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.260 ug/l

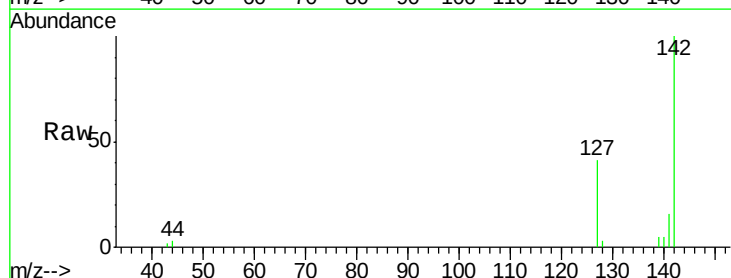
RT: 3.90 min Scan# 663

Delta R.T. -0.01 min

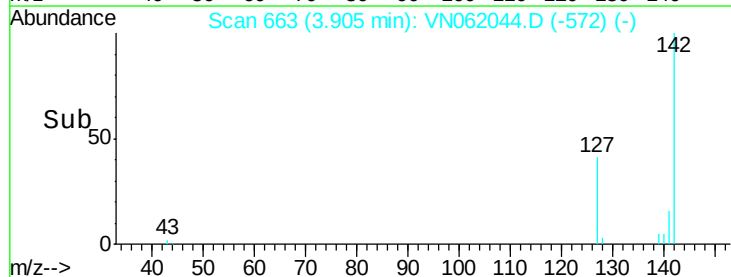
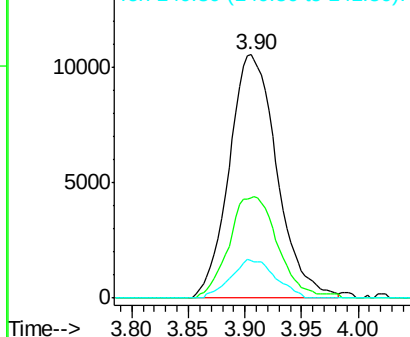
Lab File: VN062044.D

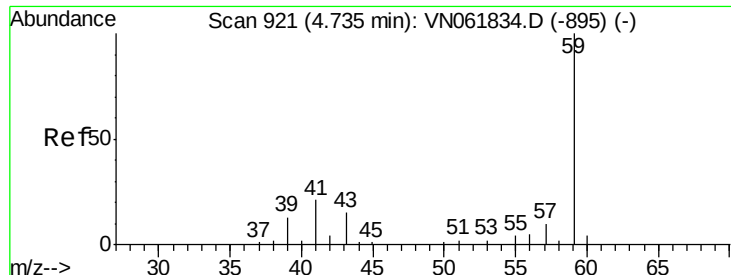
Acq: 23 Jun 2020 16:06

Tgt Ion:	142	Resp:	30870
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.4	50.0
141	14.7	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





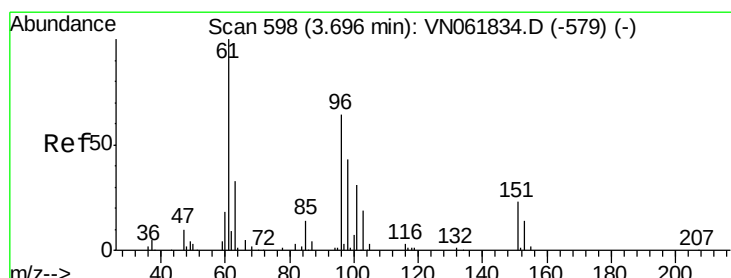
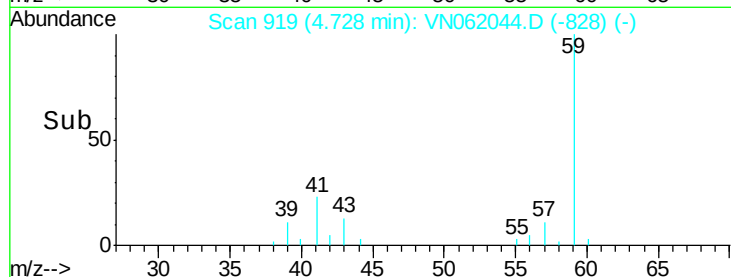
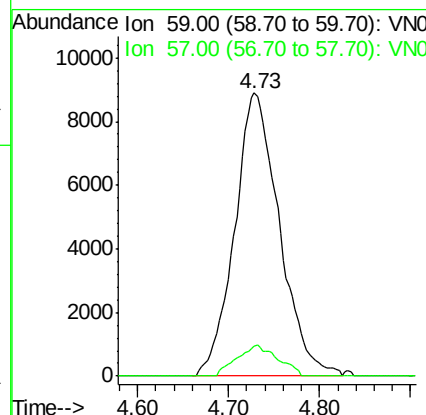
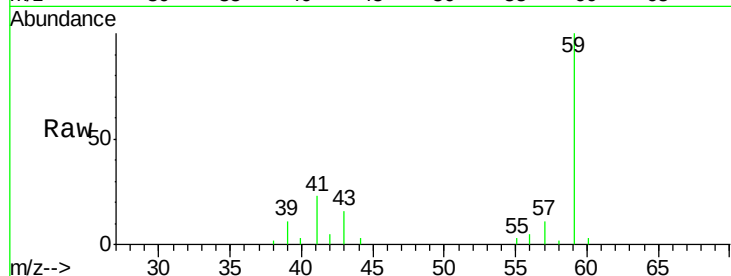
#11
Tert butyl alcohol
Concen: 101.300 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.01 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBS01

Tot Ion: 59 Resp: 30398
Ion Ratio Lower Upper
59 100
57 10.0 7.7 11.5

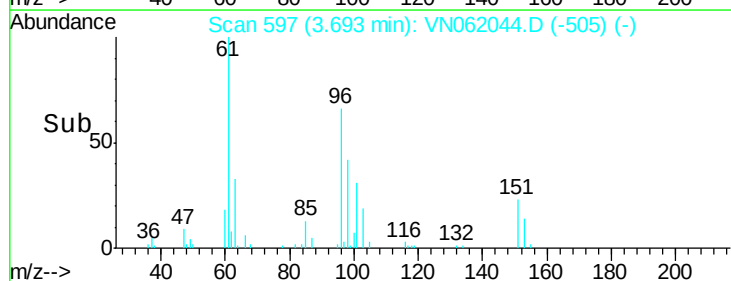
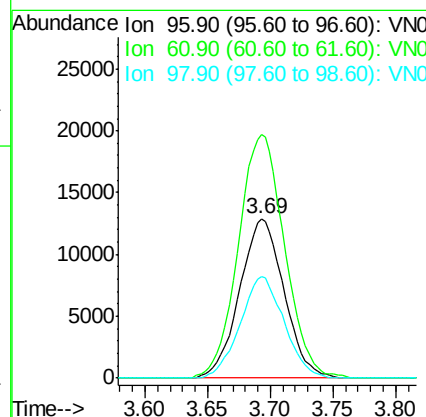
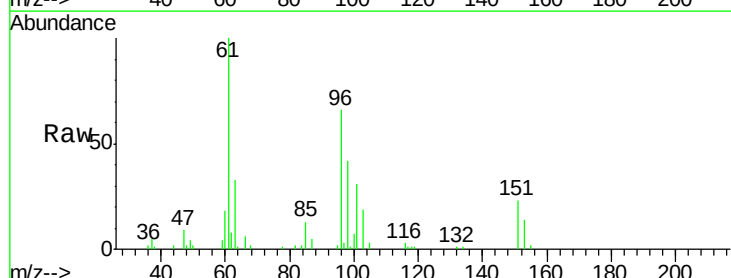
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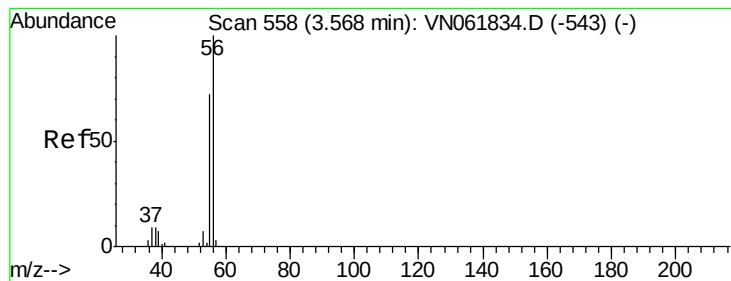
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.277 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Tgt Ion: 96 Resp: 31670
Ion Ratio Lower Upper
96 100
61 152.6 124.3 186.5
98 63.8 53.1 79.7





#13

Acrolein

Concen: 58.222 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBS01

Tot Ion: 56 Resp: 10442

Ion Ratio Lower Upper

56 100

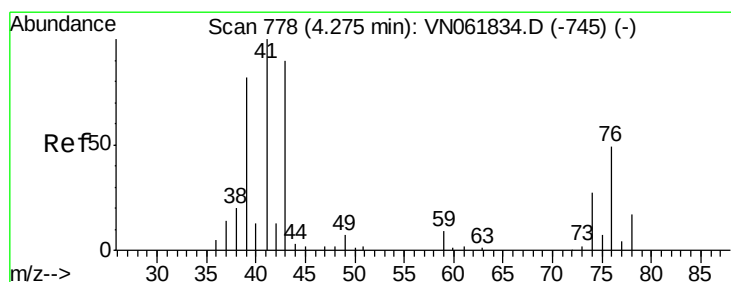
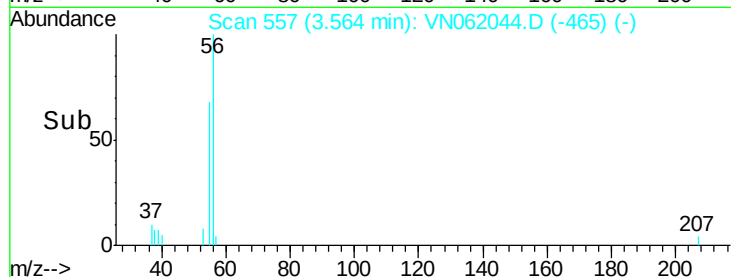
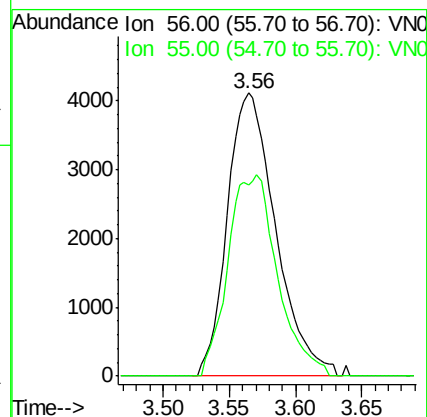
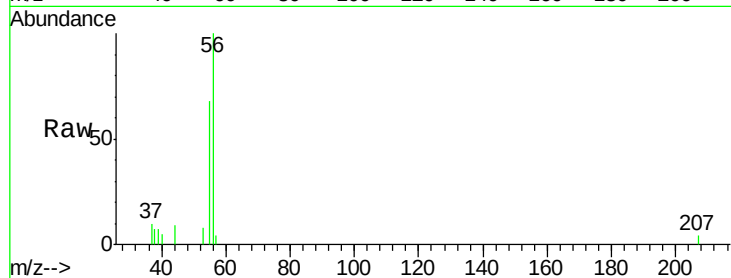
55 72.5 56.2 84.4

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#14

Allyl chloride

Concen: 21.572 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

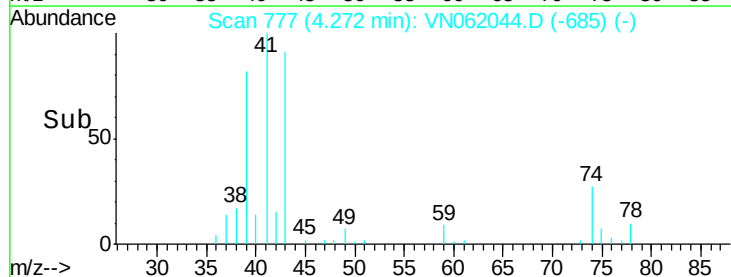
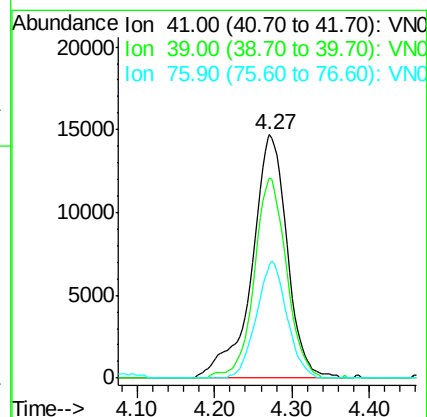
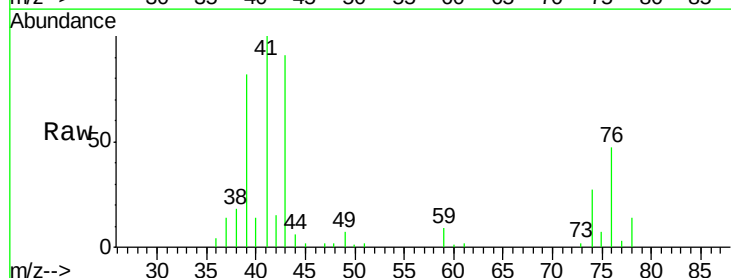
Tgt Ion: 41 Resp: 47037

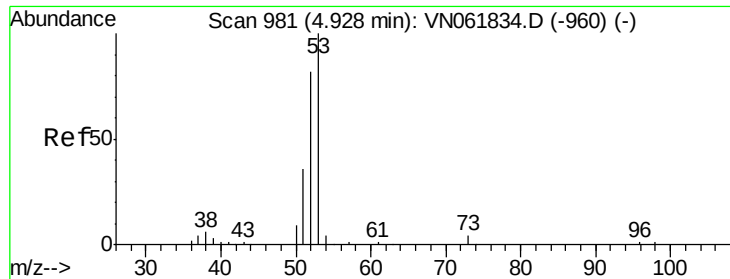
Ion Ratio Lower Upper

41 100

39 74.9 60.2 90.2

76 41.3 36.3 54.5





#15

Acrylonitrile

Concen: 112.924 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

Instrument :

MSVOA_N

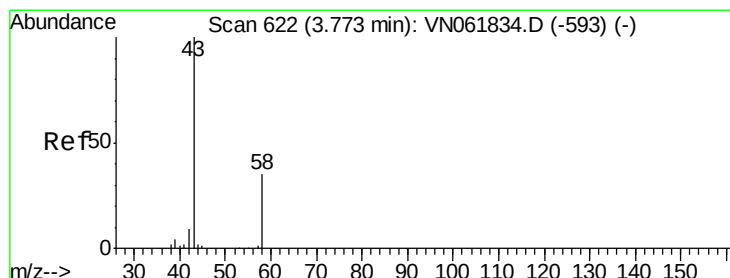
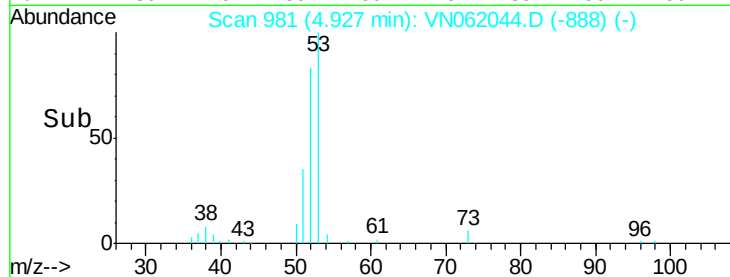
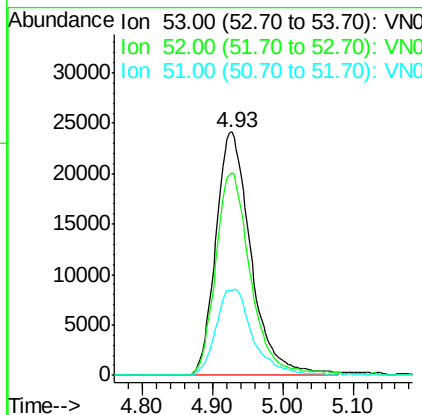
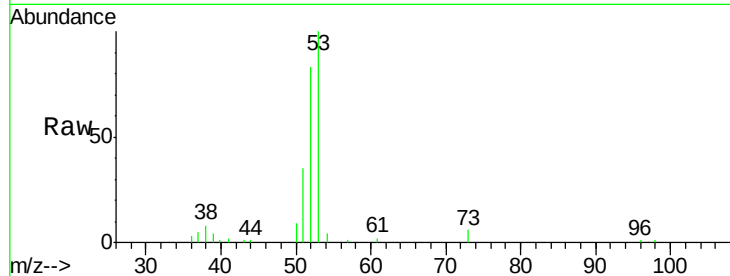
ClientSampleId :

VN0623WBS01

Tot Ion:	53	Resp:	83964
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.2	97.8
51	36.8	29.3	43.9

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#16

Acetone

Concen: 110.455 ug/l

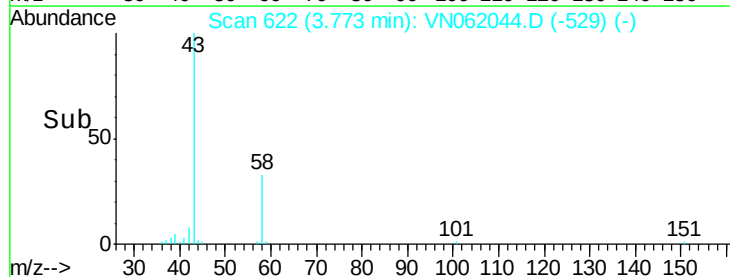
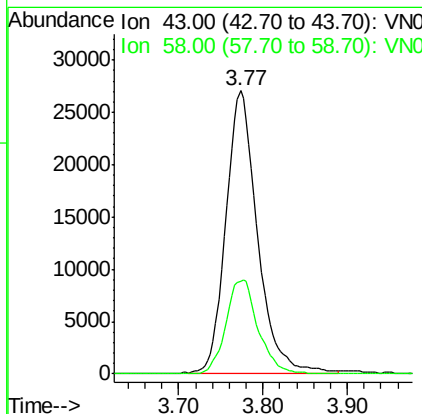
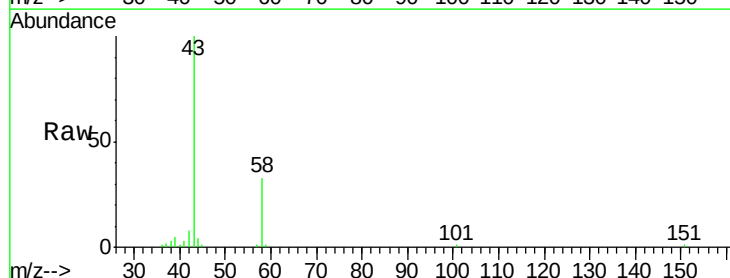
RT: 3.77 min Scan# 622

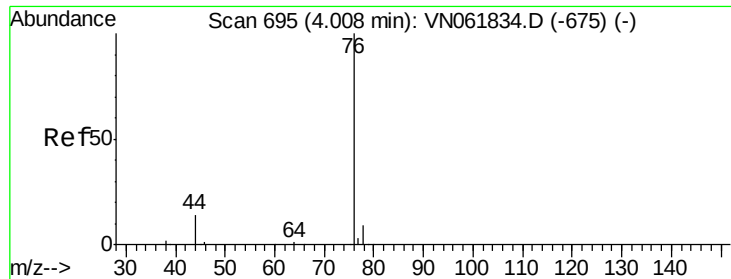
Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

Tgt Ion:	43	Resp:	70751
Ion	Ratio	Lower	Upper
43	100		
58	32.7	27.8	41.8





#17

Carbon Disulfide

Concen: 15.723 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBS01

Tot Ion: 76 Resp: 75580

Ion Ratio Lower Upper

76 100

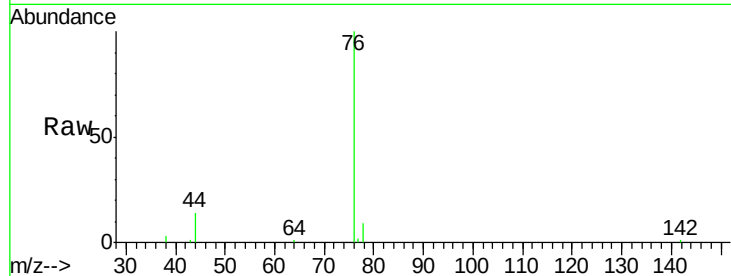
78 8.8 7.3 10.9

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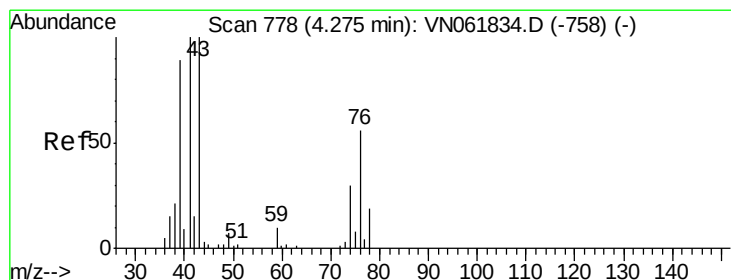
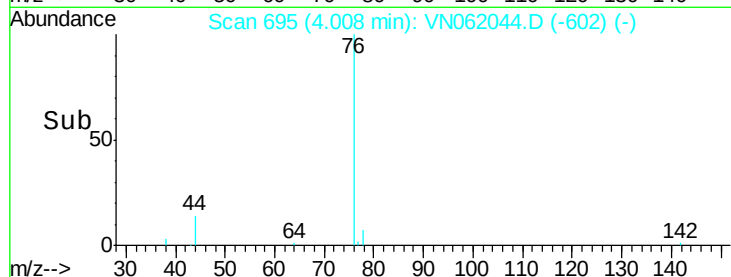
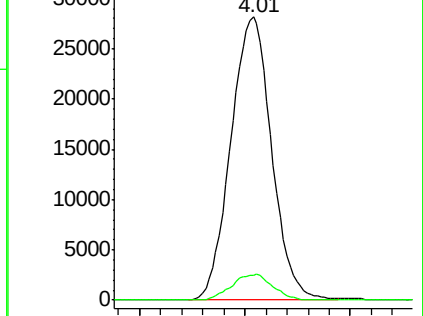
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Abundance Ion 75.90 (75.60 to 76.60): VN061834.D (-675) (-)

Ion 77.90 (77.60 to 78.60): VN0623WBS01



#18

Methyl Acetate

Concen: 21.764 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062044.D

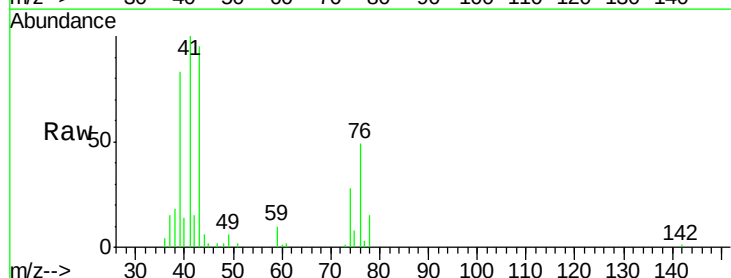
Acq: 23 Jun 2020 16:06

Tgt Ion: 43 Resp: 40135

Ion Ratio Lower Upper

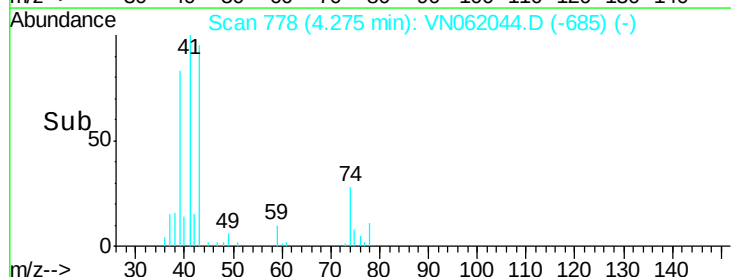
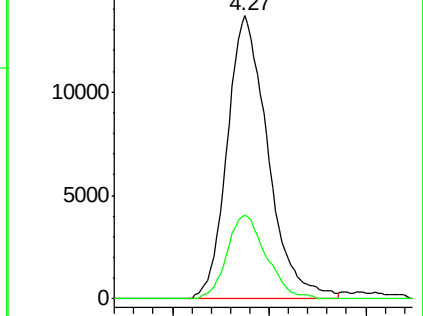
43 100

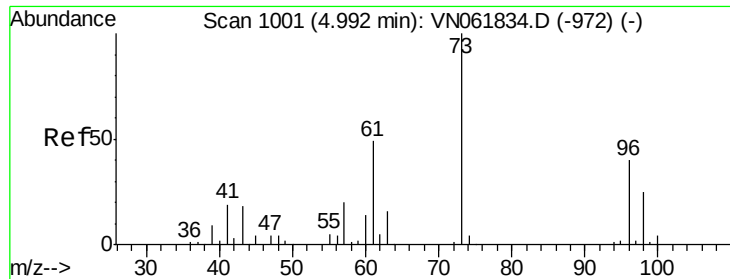
74 28.5 23.0 34.4



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

Ion 74.00 (73.70 to 74.70): VN0623WBS01





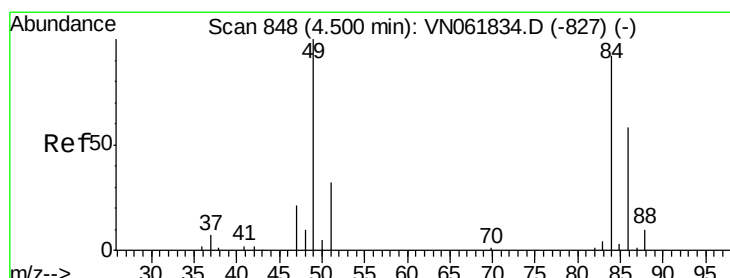
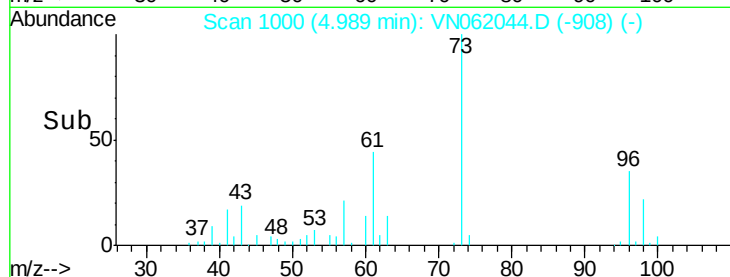
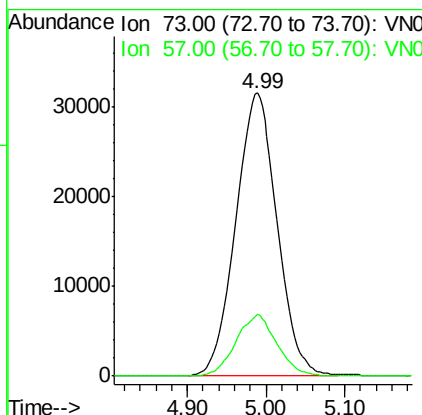
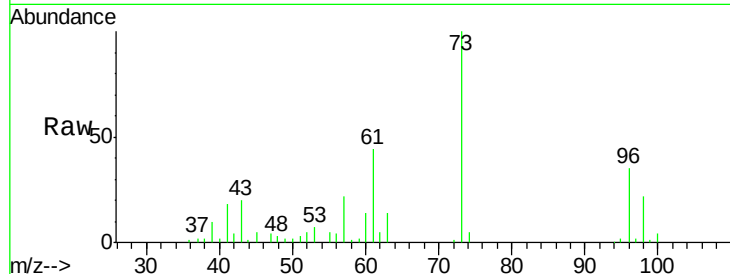
#19
Methyl tert-butyl Ether
Concen: 21.256 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBS01

Tot Ion: 73 Resp: 116270
Ion Ratio Lower Upper
73 100
57 21.7 16.2 24.4

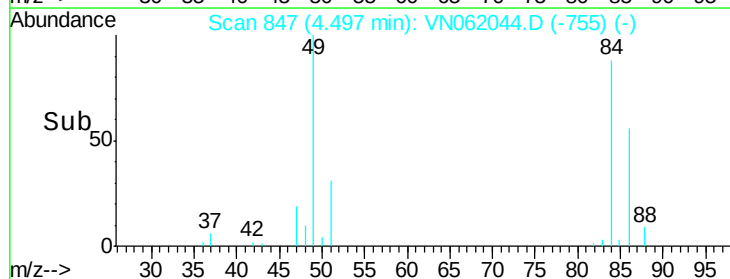
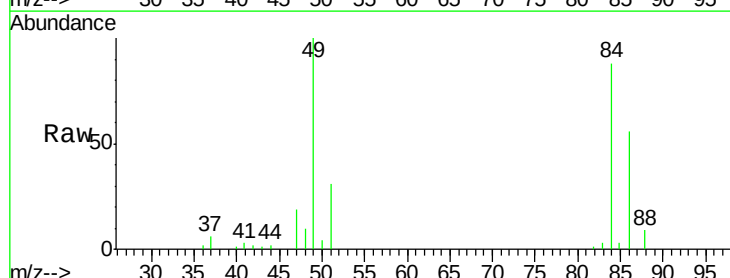
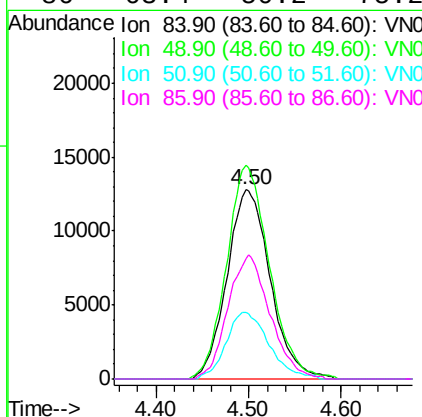
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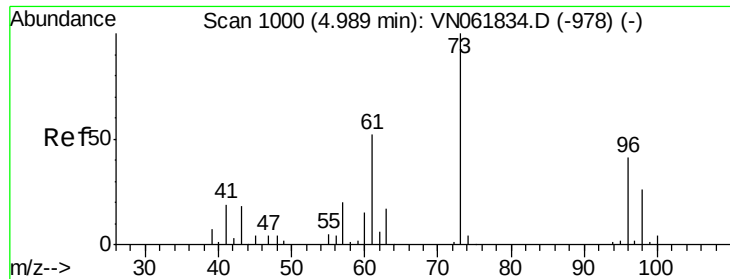
MMDadoda
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#20
Methylene Chloride
Concen: 19.832 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Tgt Ion: 84 Resp: 41387
Ion Ratio Lower Upper
84 100
49 113.1 87.0 130.4
51 35.5 27.8 41.6
86 63.4 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 18.660 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

Instrument :

MSVOA_N

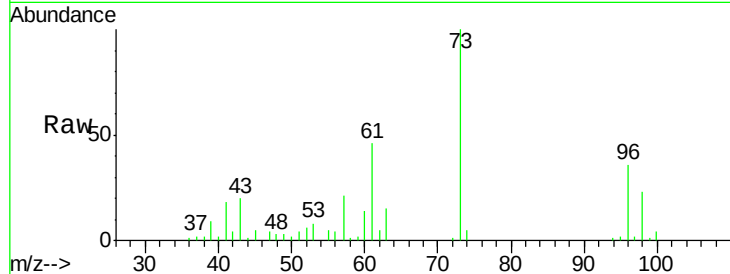
ClientSampleId :

VN0623WBS01

Tot Ion:	96	Resp:	35211
Ion	Ratio	Lower	Upper
96	100		
61	126.7	102.2	153.4
98	64.0	51.2	76.8

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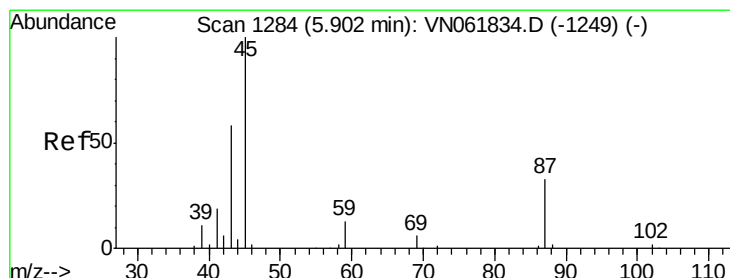
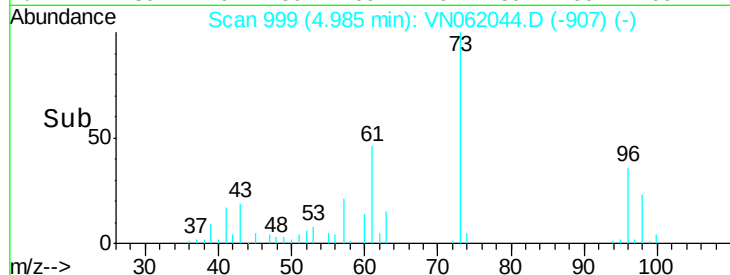
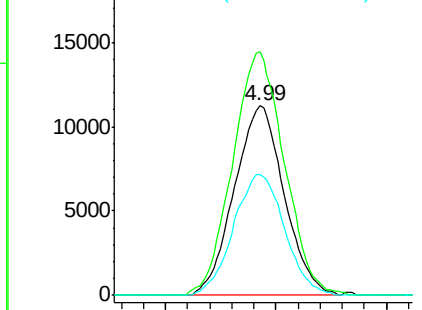


Abundance

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: 21.901 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

Tgt Ion:	45	Resp:	109215
Ion	Ratio	Lower	Upper
45	100		
43	67.2	49.4	74.2
87	33.9	27.4	41.0
59	14.2	10.6	15.8

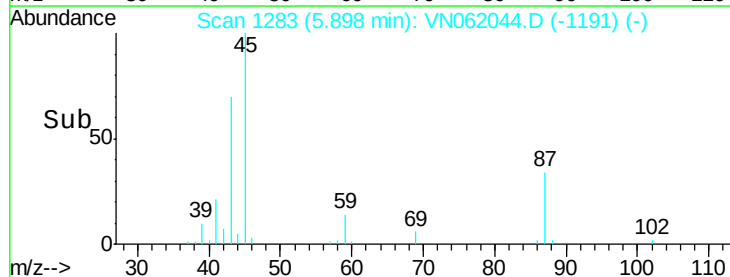
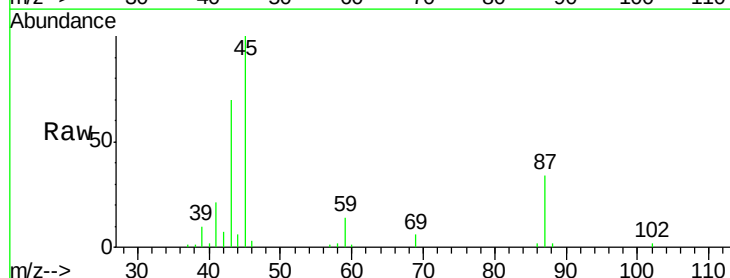
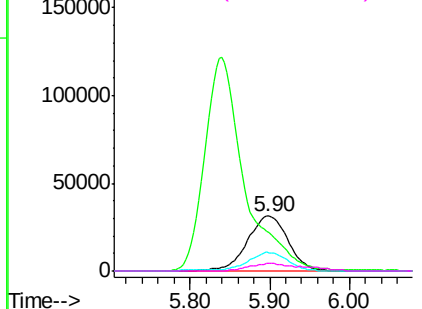
Abundance

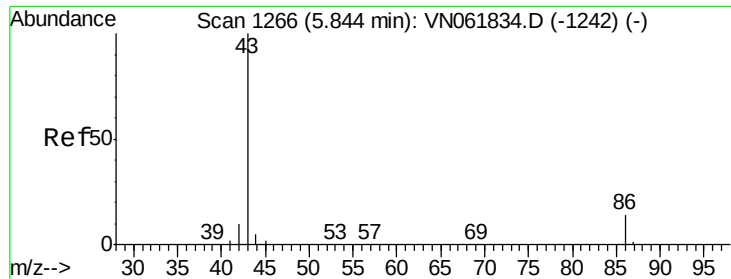
Ion 45.00 (44.70 to 45.70): VN061834.D (-1249) (-)

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: 106.398 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

Instrument :

MSVOA_N

ClientSampleID :

VN0623WBS01

Tot Ion: 43 Resp: 417303

Ion Ratio Lower Upper

43 100

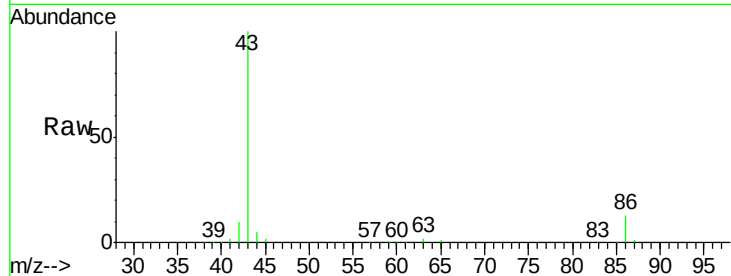
86 13.0 10.9 16.3

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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

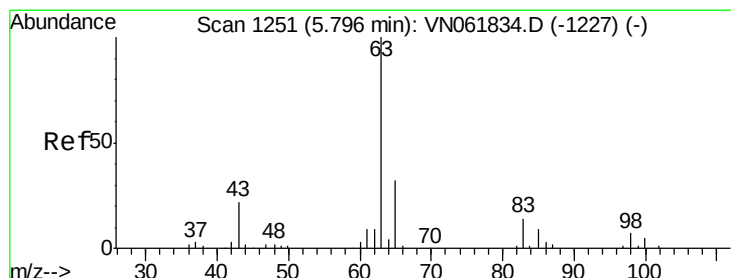
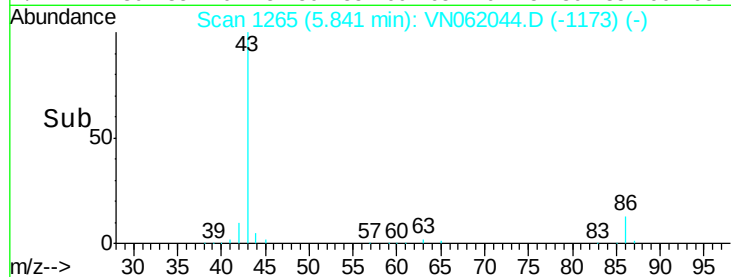
100000

50000

0

5.70 5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 21.090 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

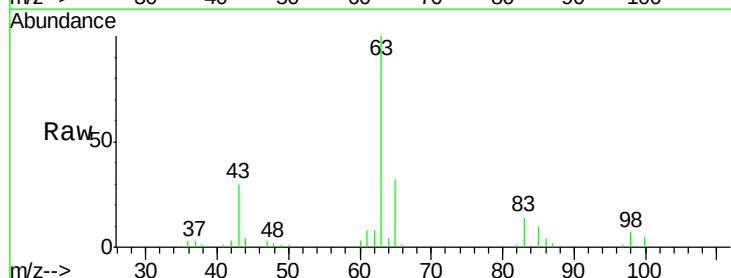
Tgt Ion: 63 Resp: 68846

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.6 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

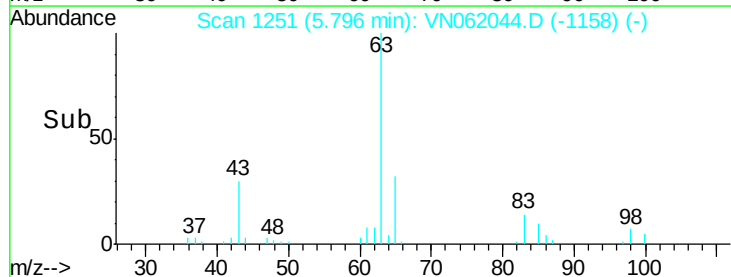
10000

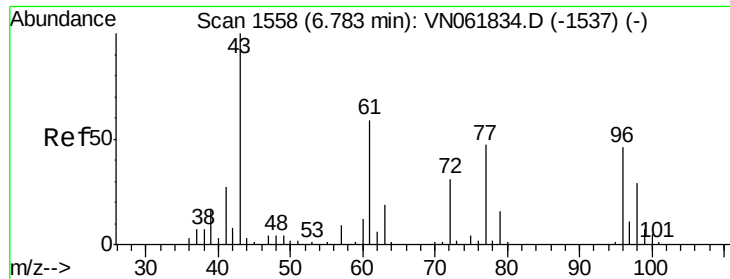
5000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 109.491 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBS01

Tot Ion: 43 Resp: 102325

Ion Ratio Lower Upper

43 100

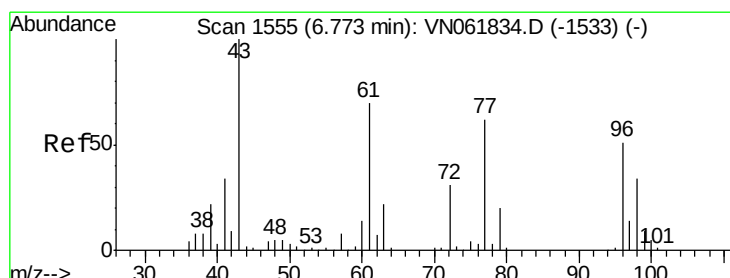
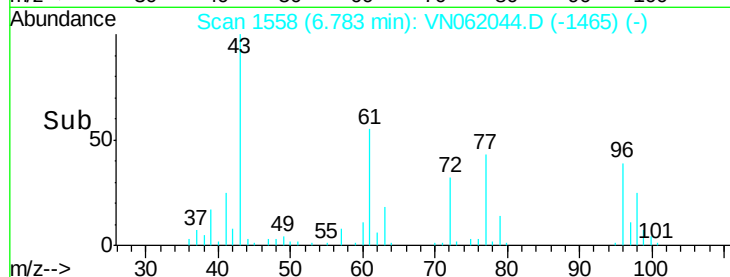
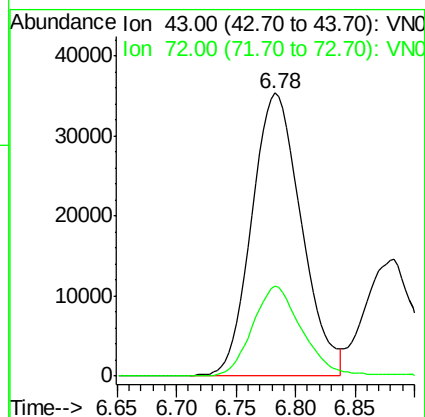
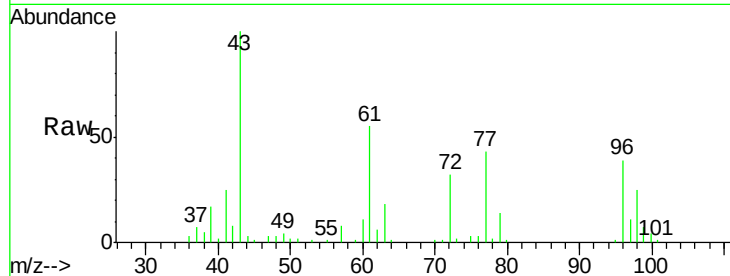
72 31.7 24.6 37.0

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 20.791 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.00 min

Lab File: VN062044.D

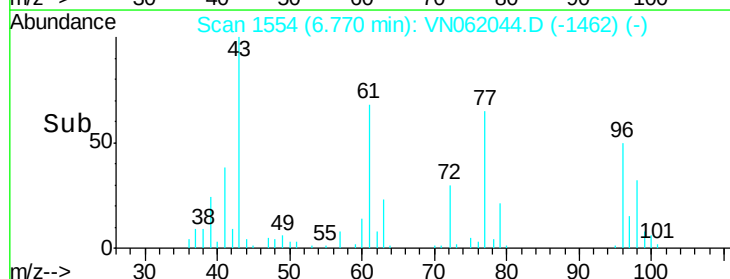
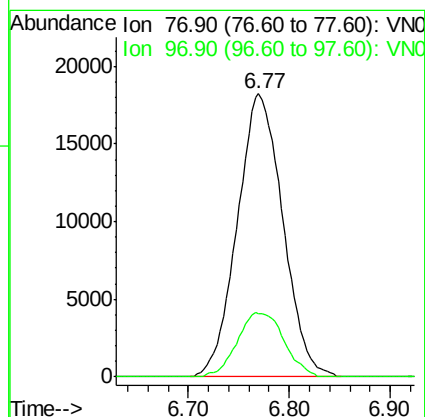
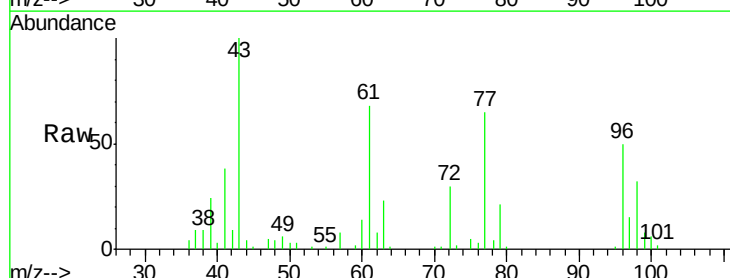
Acq: 23 Jun 2020 16:06

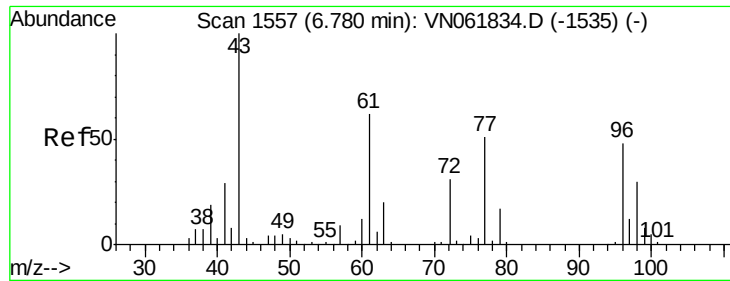
Tgt Ion: 77 Resp: 57100

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 19.826 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

Instrument :

MSVOA_N

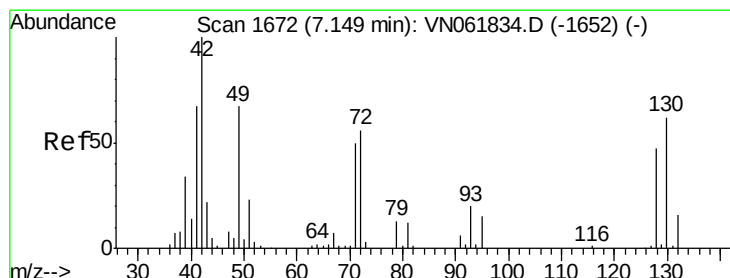
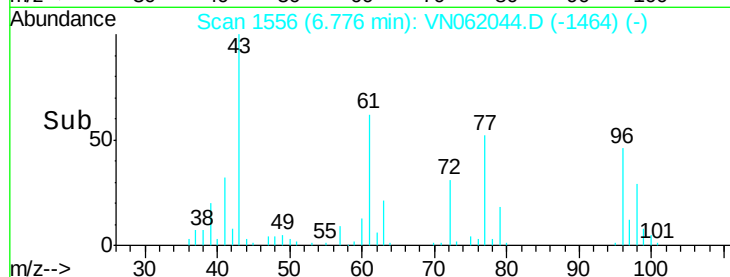
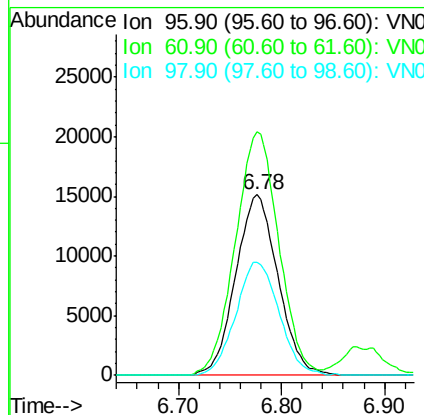
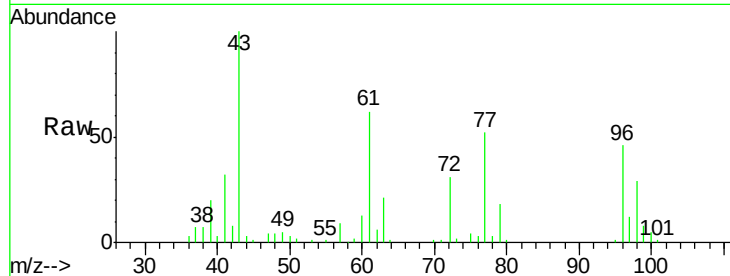
ClientSampled :

VN0623WBS01

Tot Ion:	96	Resp:	43167
Ion	Ratio	Lower	Upper
96	100		
61	138.0	0.0	265.6
98	64.4	0.0	128.2

Manual Integrations
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#28

Bromochloromethane

Concen: 20.035 ug/l

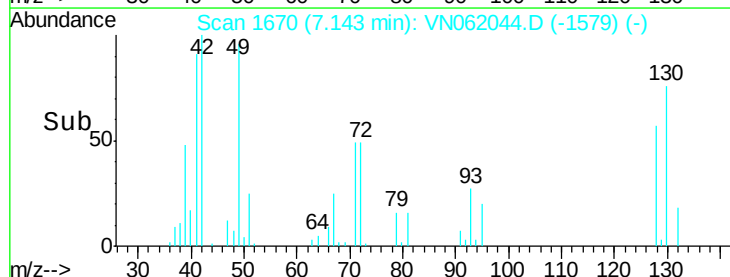
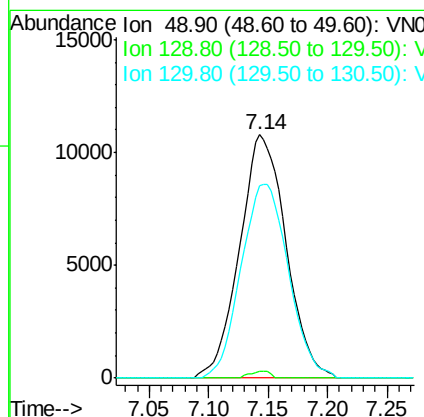
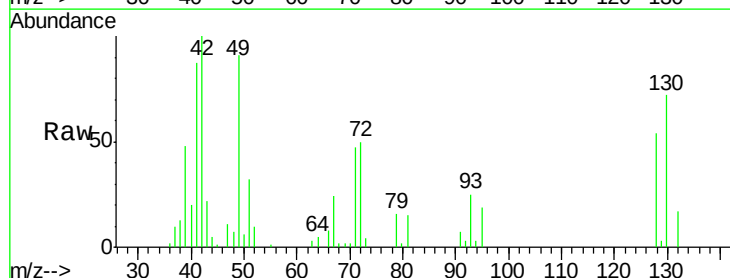
RT: 7.14 min Scan# 1670

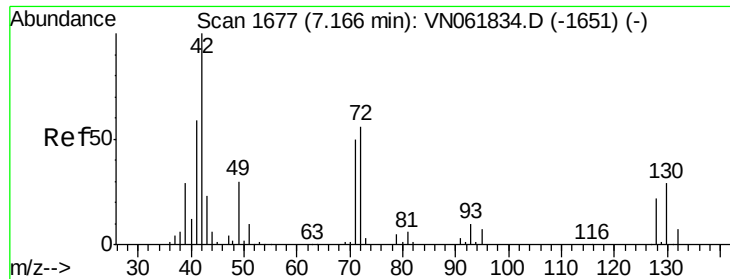
Delta R.T. -0.01 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

Tgt Ion:	49	Resp:	29121
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.0
130	81.3	72.2	108.2





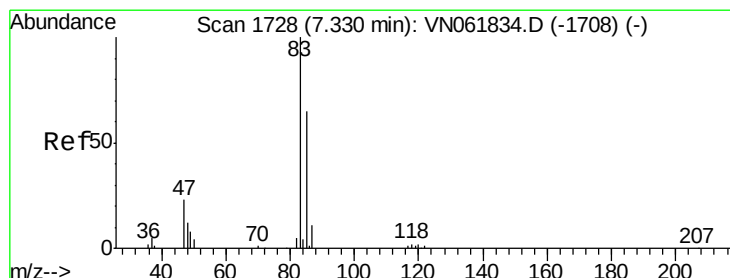
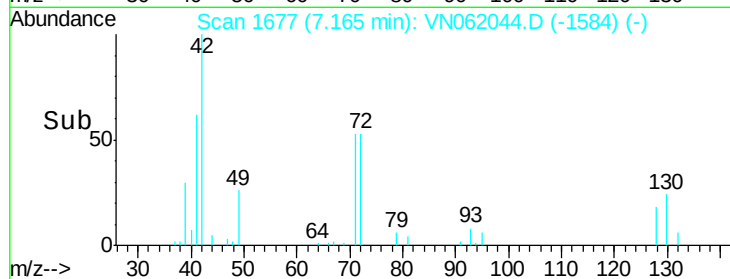
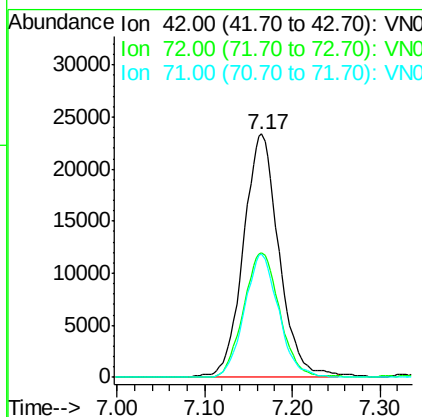
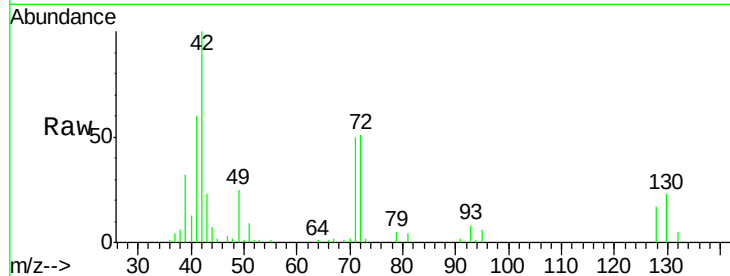
#29
Tetrahydrofuran
Concen: 107.118 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.4	44.0	66.0
71	48.6	40.0	60.0

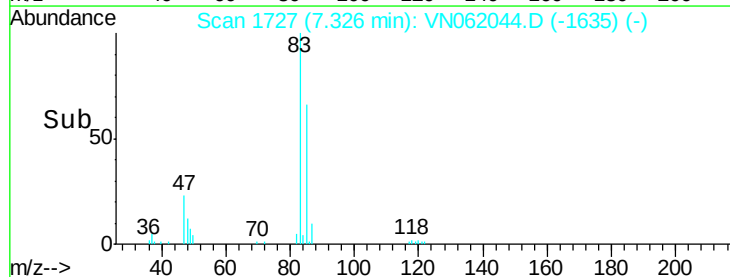
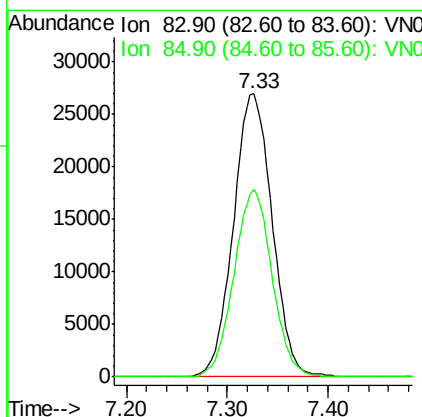
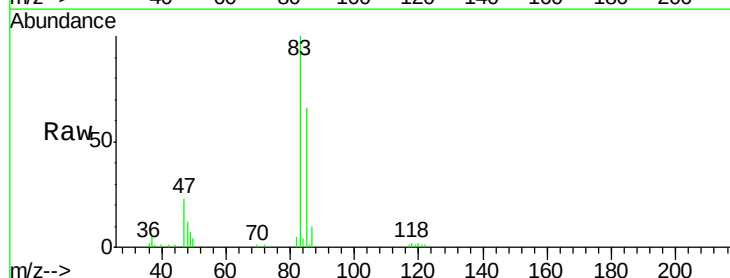
Manual Integrations
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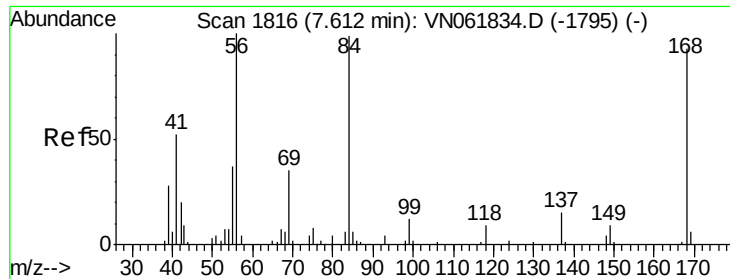
MMDadoda
6/24/2020 10:59:12 AM



#30
Chloroform
Concen: 20.585 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.0	78.0





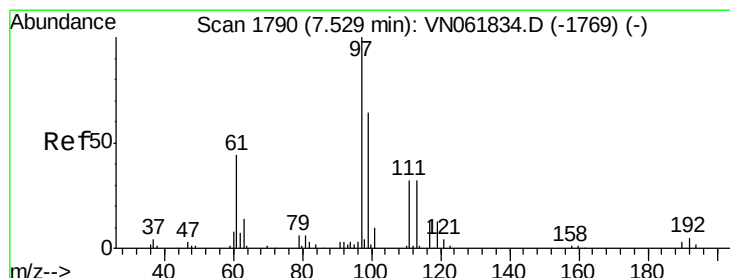
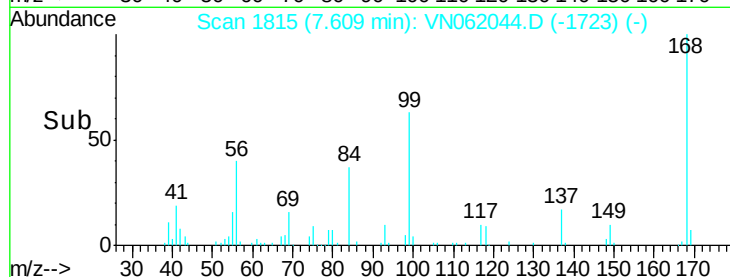
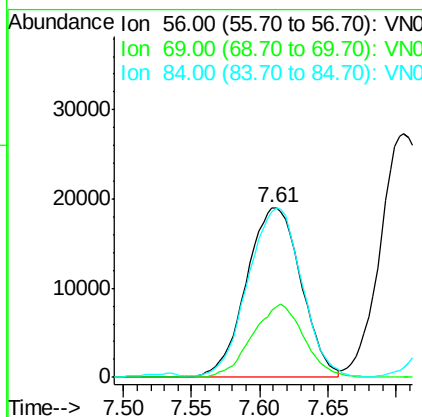
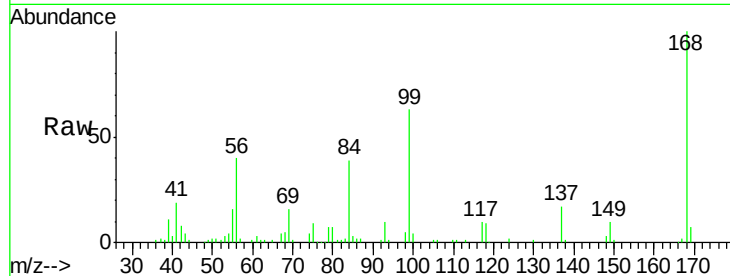
#31
Cyclohexane
Concen: 18.483 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.2	27.7	41.5
84	96.5	79.1	118.7

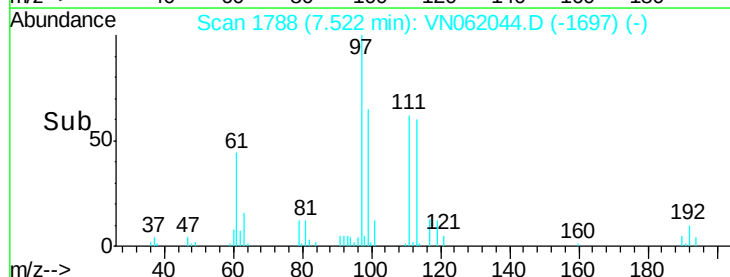
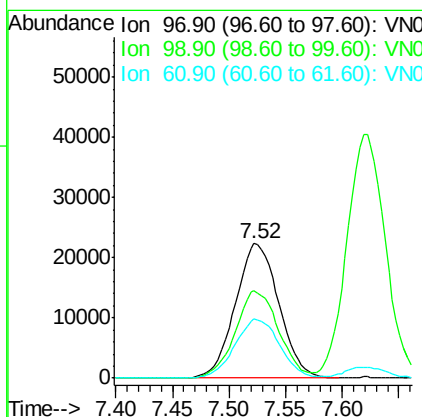
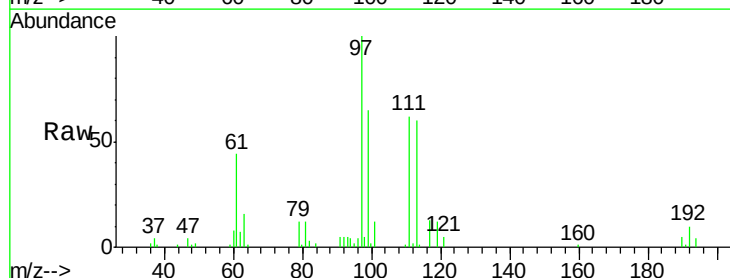
Manual Integrations
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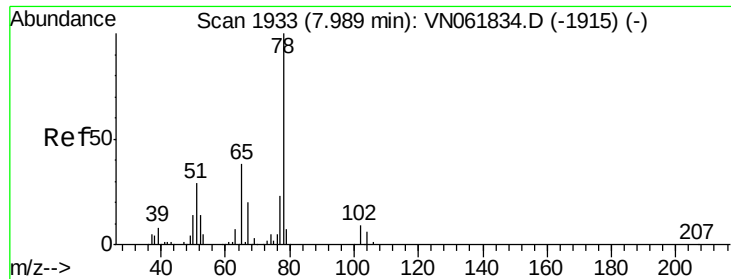
MMDadoda
6/24/2020 10:59:12 AM



#32
1,1,1-Trichloroethane
Concen: 20.161 ug/l
RT: 7.52 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.5	77.3
61	45.0	35.1	52.7





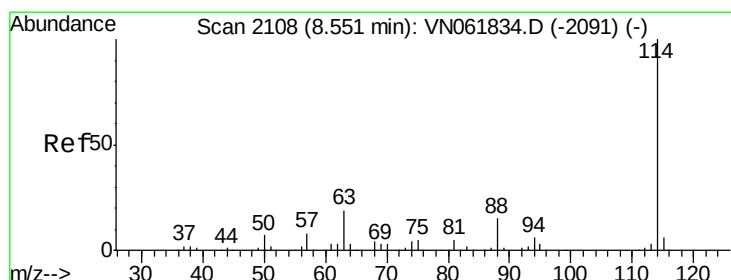
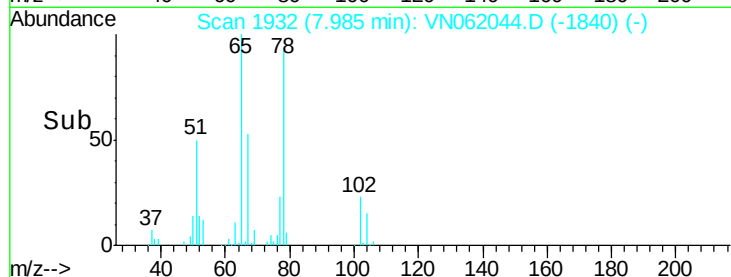
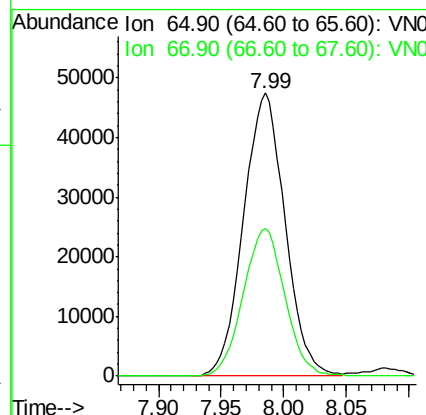
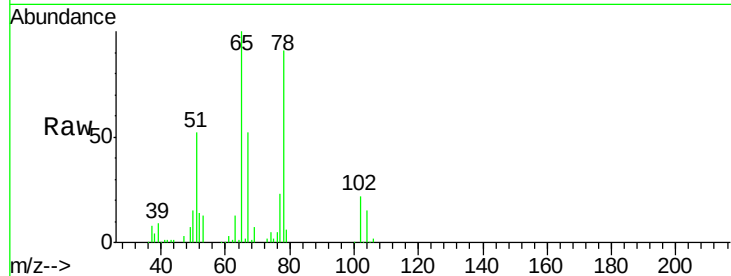
#33
 1,2-Dichloroethane-d4
 Concen: 50.458 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062044.D
 Acq: 23 Jun 2020 16:06

Instrument :
 MSVOA_N
 ClientSampled :
 VN0623WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.3	0.0	106.2	

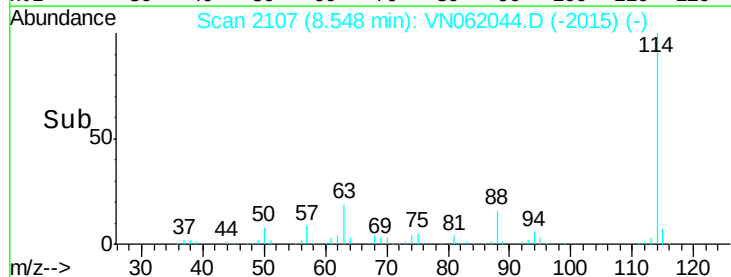
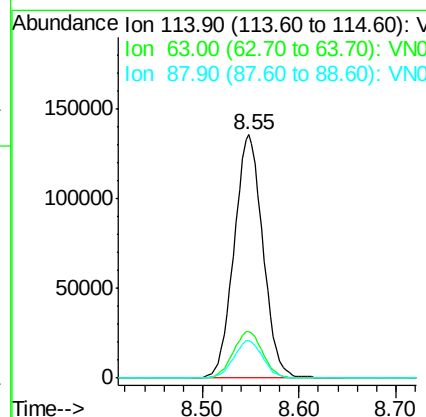
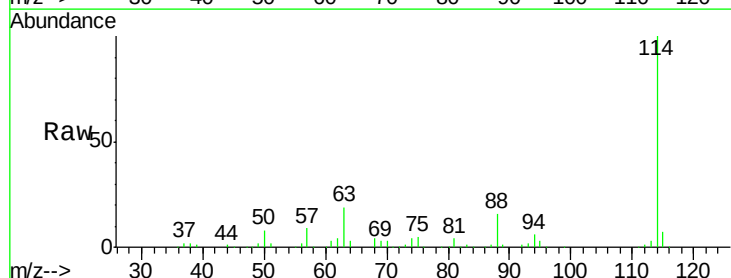
Manual Integrations
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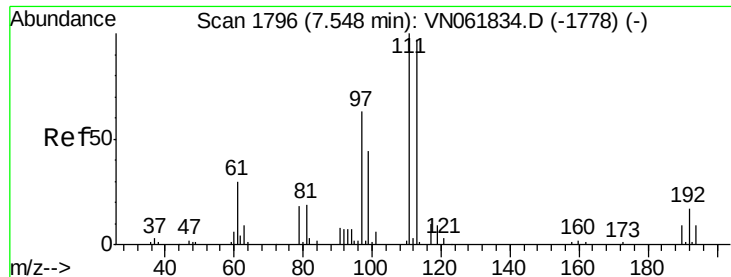
MMDadoda
 6/24/2020 10:59:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062044.D
 Acq: 23 Jun 2020 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.4	0.0	37.6	
88	15.5	0.0	31.0	





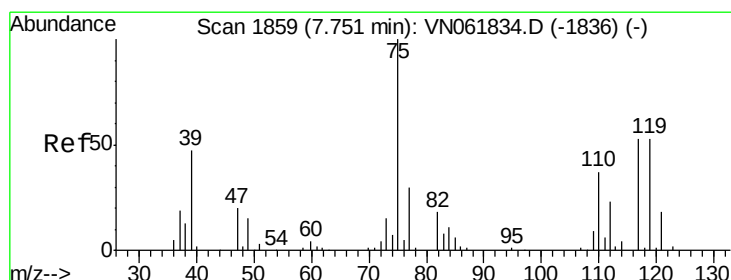
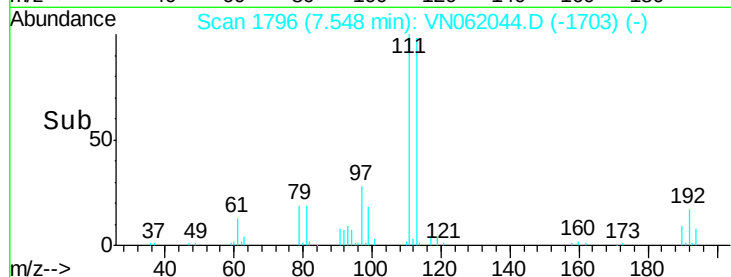
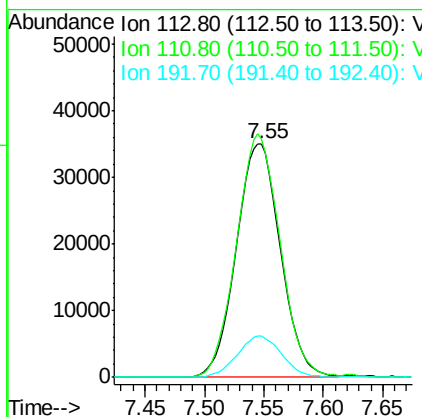
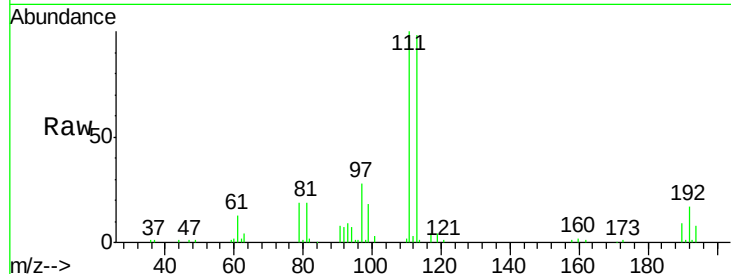
#35
 Dibromofluoromethane
 Concen: 50.442 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062044.D
 Acq: 23 Jun 2020 16:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0623WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.7	125.5
192	17.7	13.9	20.9

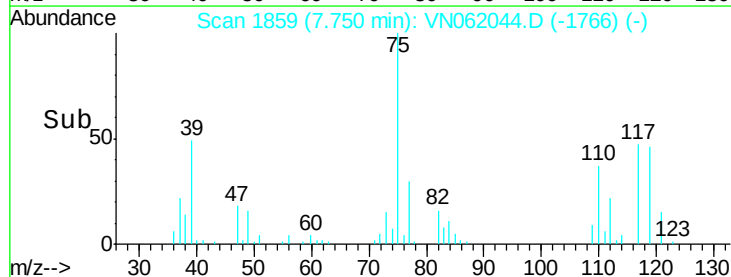
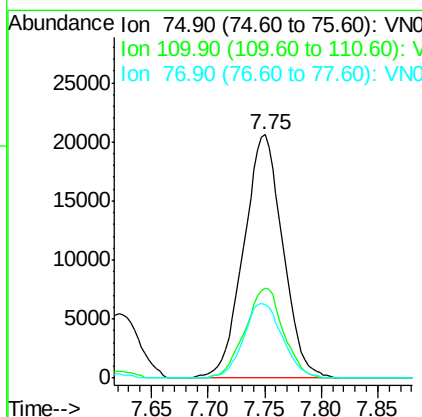
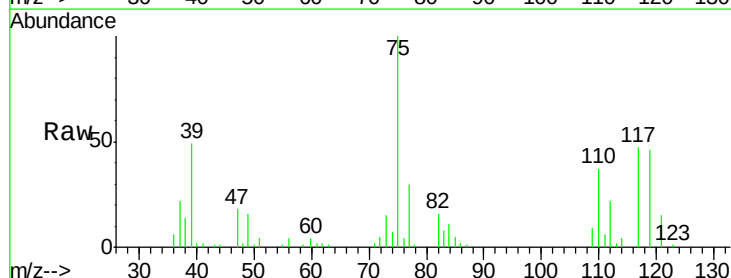
Manual Integrations
 APPROVED

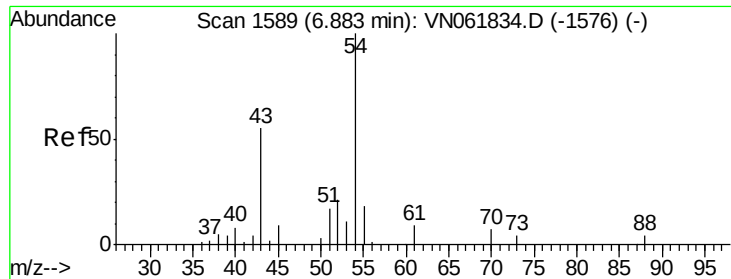
MMDadoda
 6/24/2020 10:59:12 AM



#36
 1,1-Dichloropropene
 Concen: 19.479 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062044.D
 Acq: 23 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.2	54.6
77	30.5	24.2	36.4





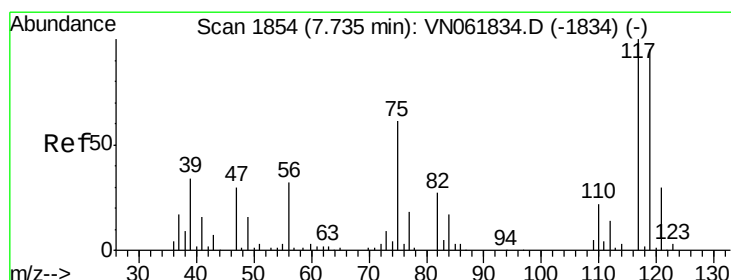
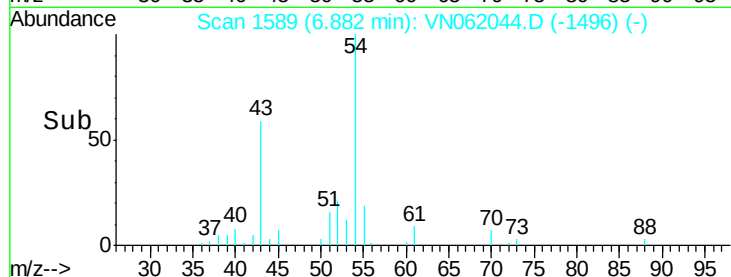
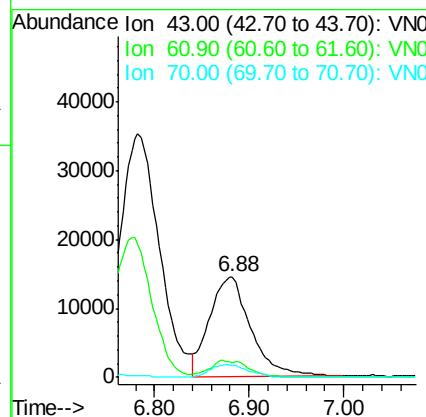
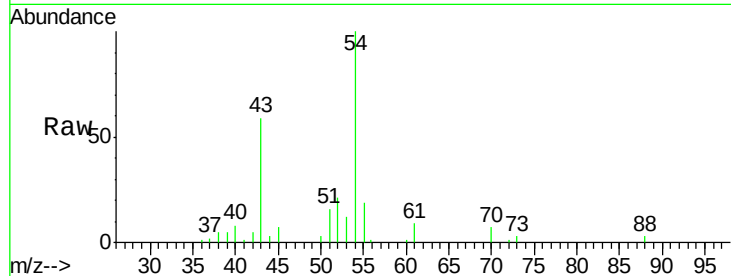
#37
Ethyl Acetate
Concen: 21.901 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	6.8	13.0	19.4#
70	11.8	9.4	14.2

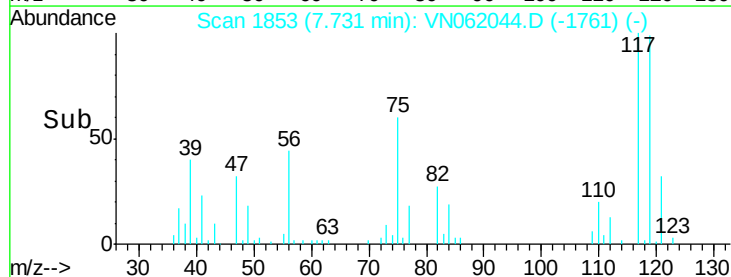
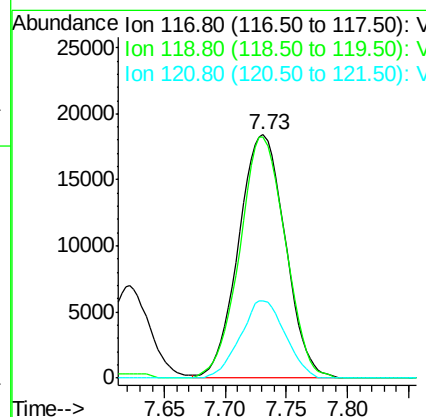
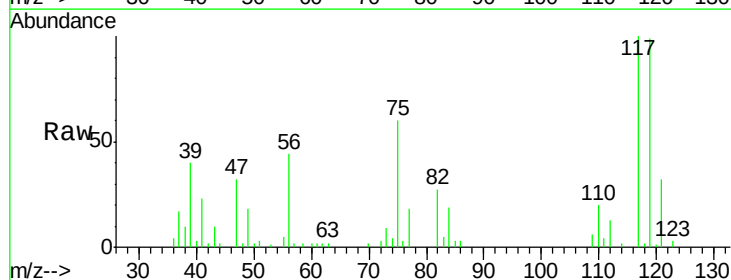
Manual Integrations
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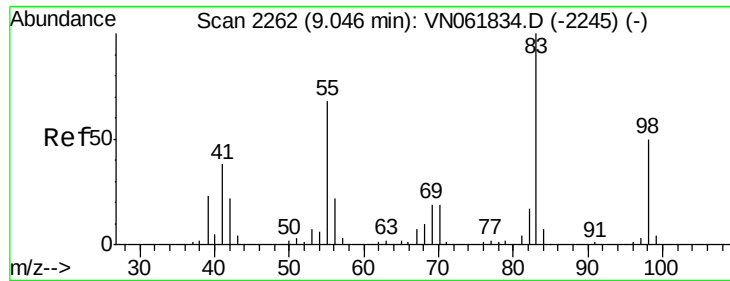
MMDadoda
6/24/2020 10:59:12 AM



#38
Carbon Tetrachloride
Concen: 19.401 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	75.8	113.6
121	31.7	23.8	35.6





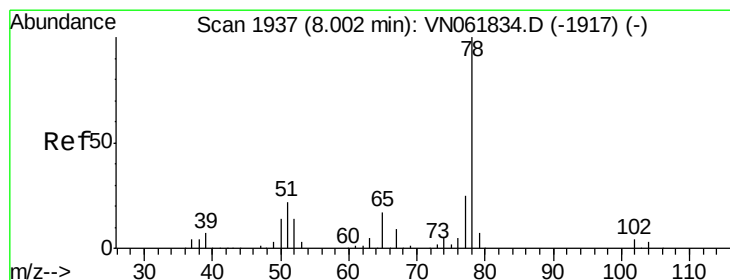
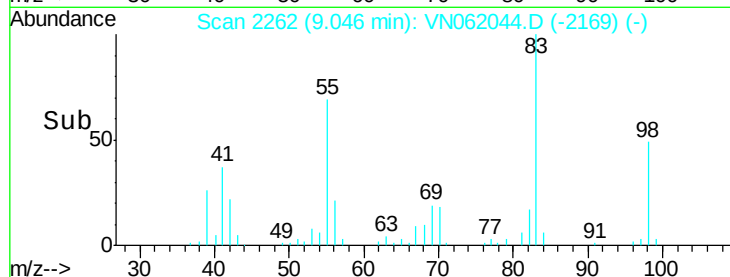
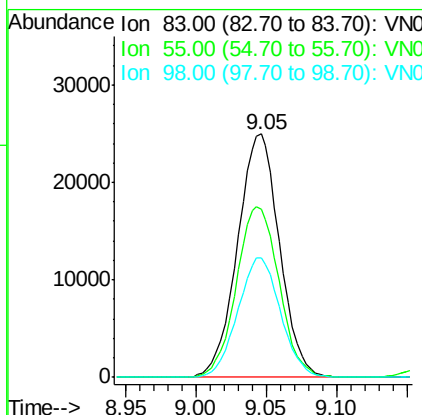
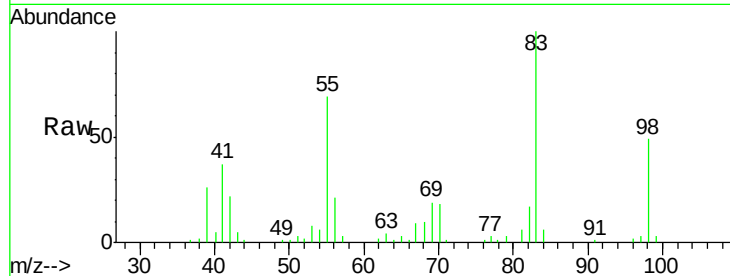
#39
Methylvlcyclohexane
Concen: 18.965 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.1	54.2	81.4
98	49.0	39.8	59.6

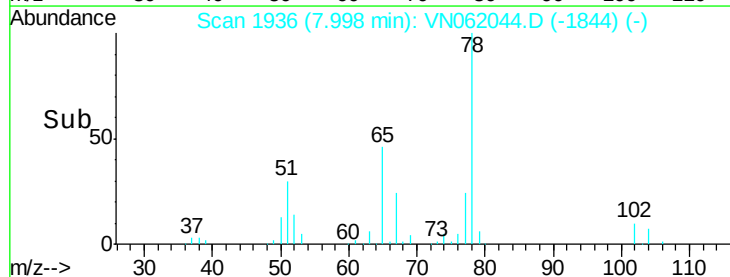
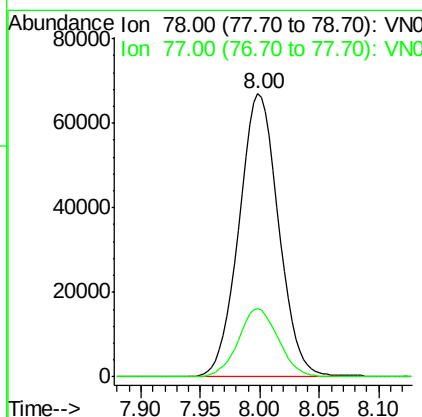
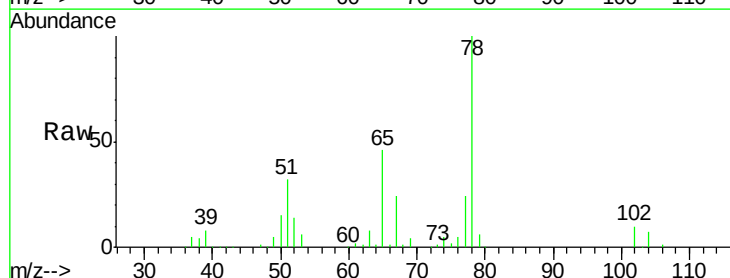
Manual Integrations
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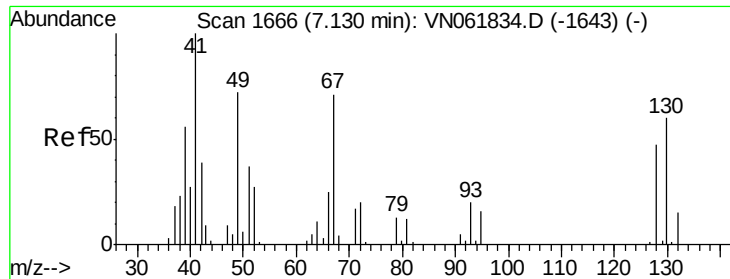
MMDadoda
6/24/2020 10:59:12 AM



#40
Benzene
Concen: 19.990 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.7	29.5





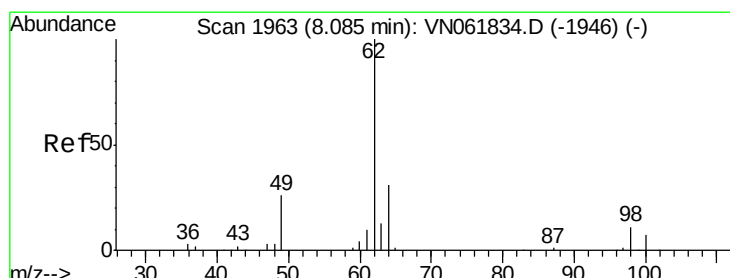
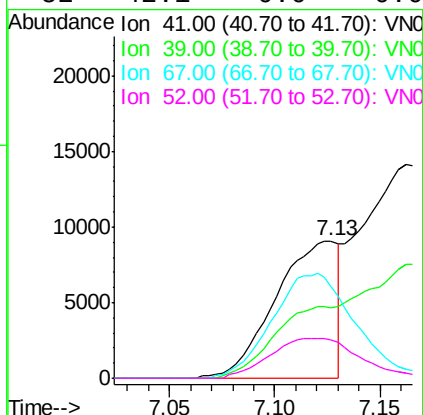
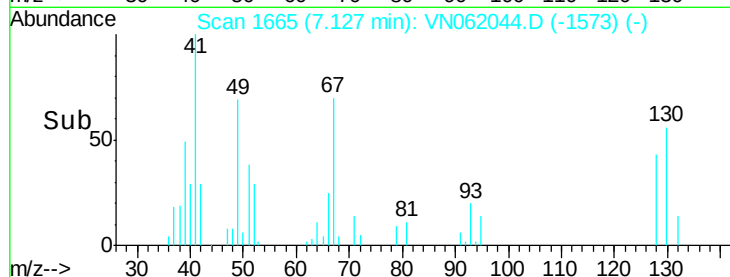
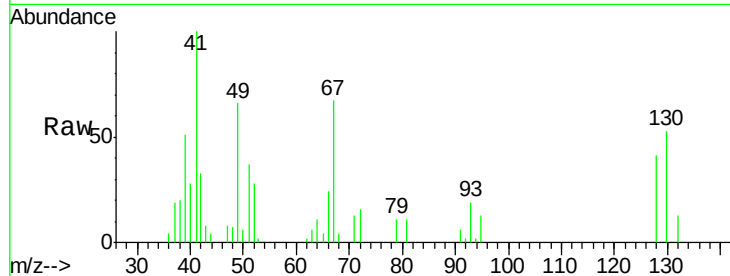
#41
Methacrylonitrile
Concen: 21.974 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	102.2	0.0	0.0#
52	42.1	0.0	0.0#

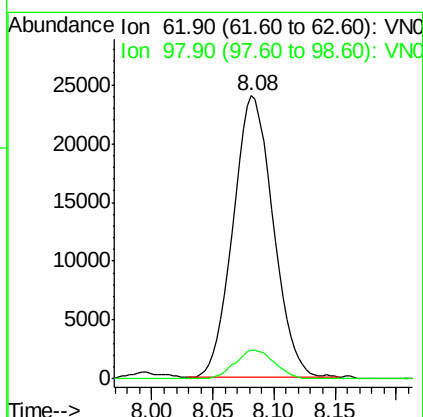
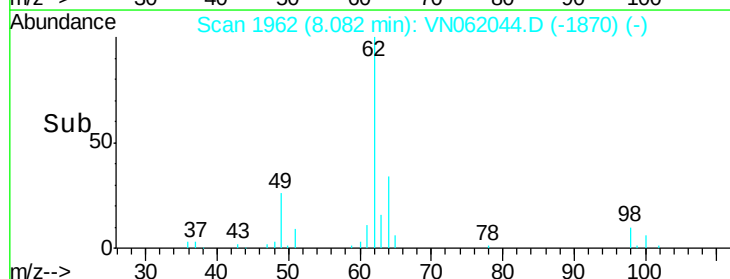
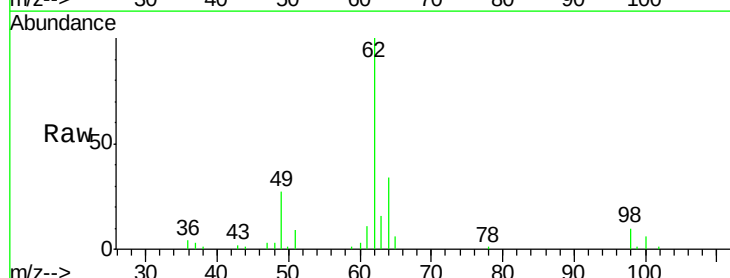
Manual Integrations
APPROVED

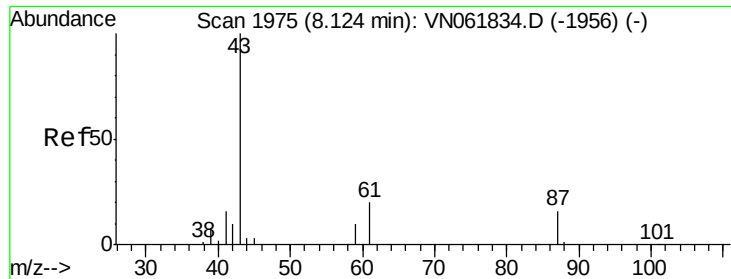
MMDadoda
6/24/2020 10:59:12 AM



#42
1,2-Dichloroethane
Concen: 20.695 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.4





#43

Isopropyl Acetate

Concen: 21.894 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

Instrument :

MSVOA_N

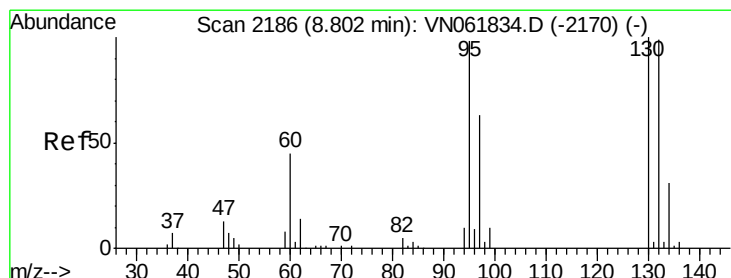
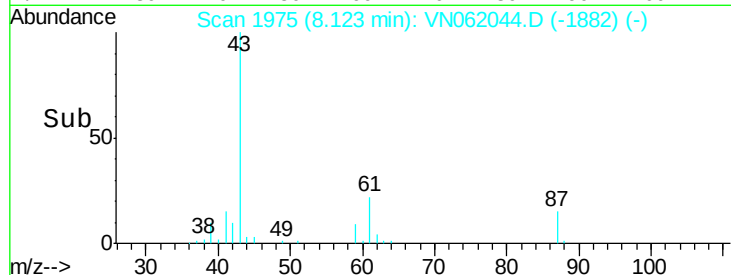
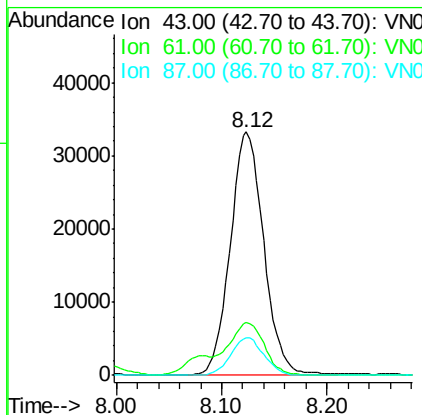
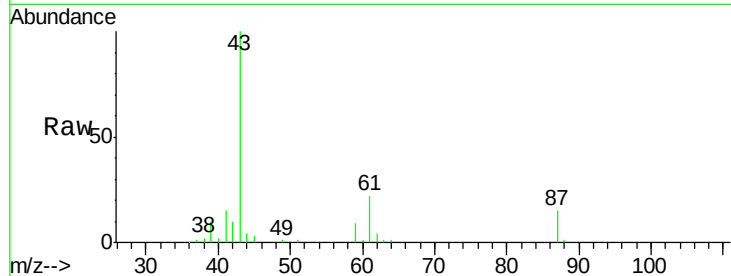
ClientSampleId :

VN0623WBS01

Tot Ion:	43	Resp:	73368
Ion	Ratio	Lower	Upper
43	100		
61	22.7	24.0	36.0#
87	15.2	12.5	18.7

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#44

Trichloroethene

Concen: 19.091 ug/l

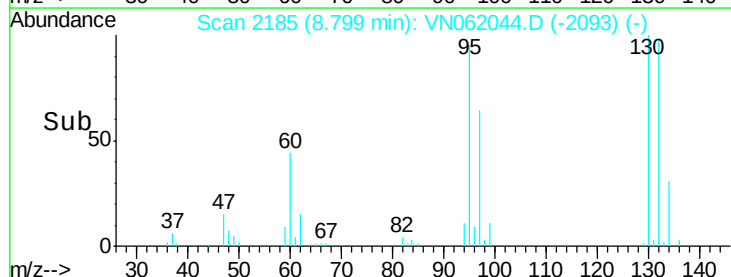
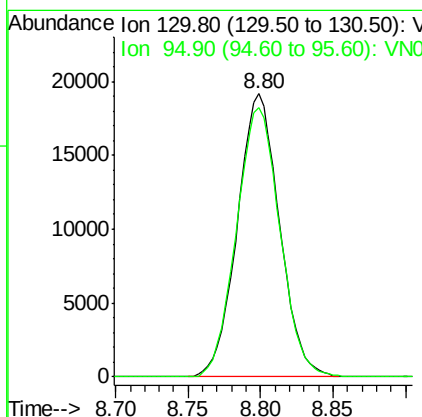
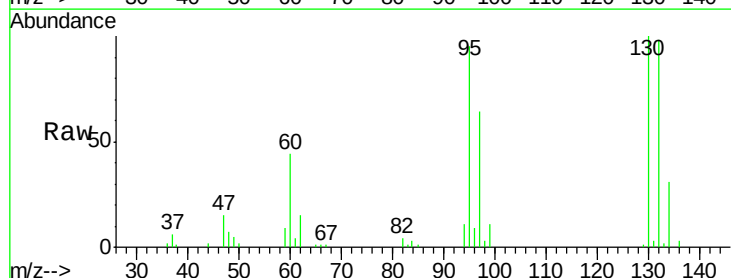
RT: 8.80 min Scan# 2185

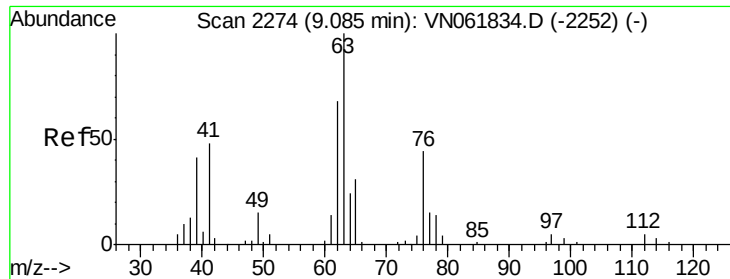
Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

Tgt Ion:	130	Resp:	38755
Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	195.6





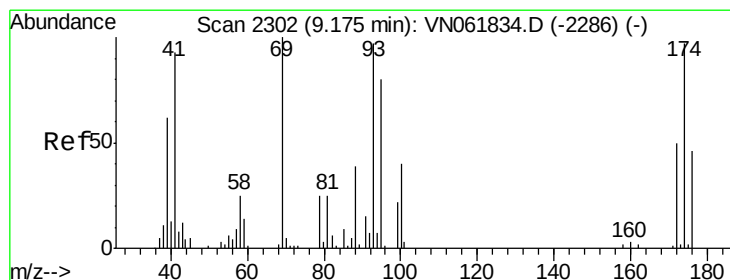
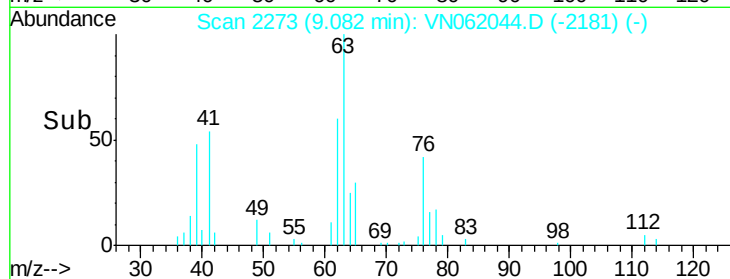
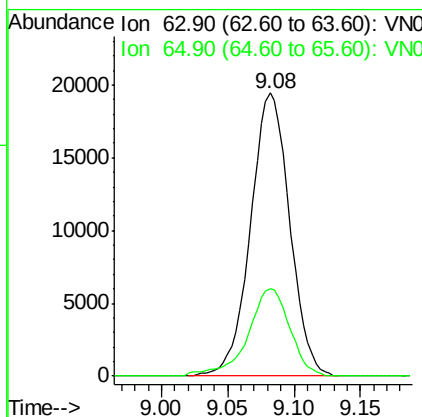
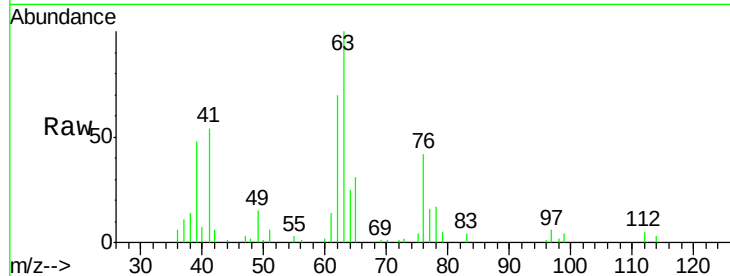
#45
 1,2-Dichloropropane
 Concen: 21.086 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062044.D
 Acq: 23 Jun 2020 16:06

Instrument :
 MSVOA_N
 ClientSampled :
 VN0623WBS01

Tot Ion: 63 Resp: 39972
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.1 37.7

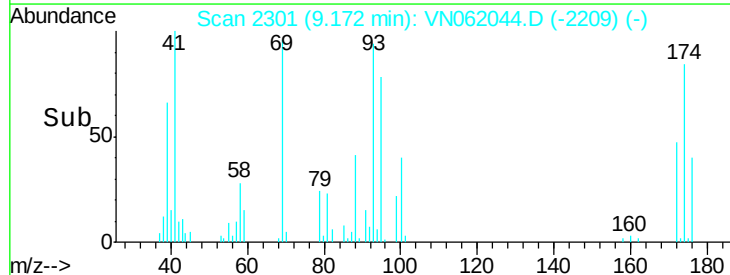
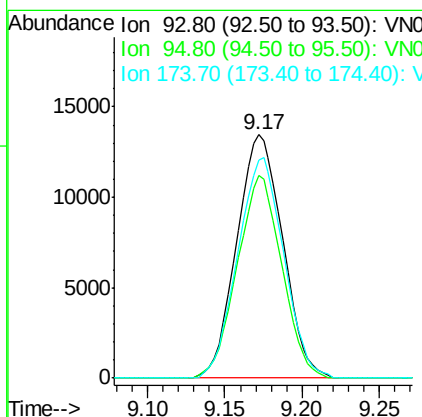
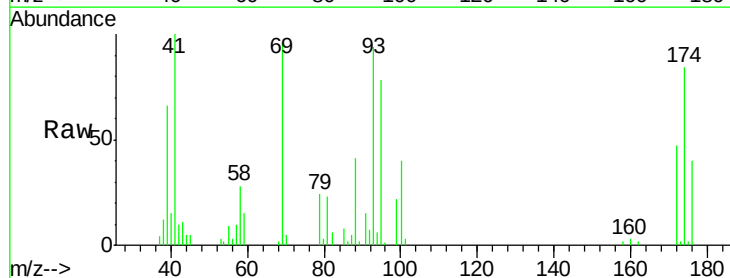
Manual Integrations
 APPROVED

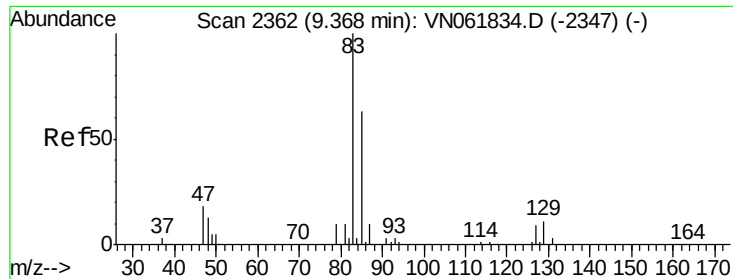
MMDadoda
 6/24/2020 10:59:12 AM



#46
 Dibromomethane
 Concen: 20.815 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN062044.D
 Acq: 23 Jun 2020 16:06

Tgt Ion: 93 Resp: 27786
 Ion Ratio Lower Upper
 93 100
 95 80.7 65.8 98.6
 174 90.9 78.5 117.7





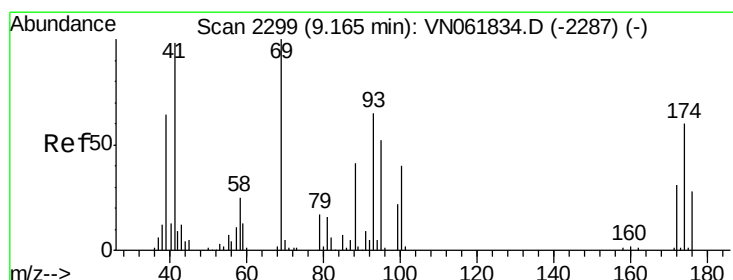
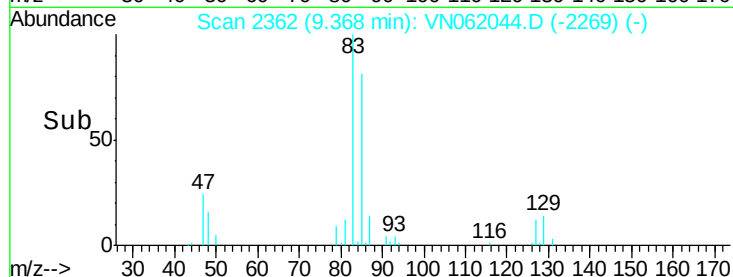
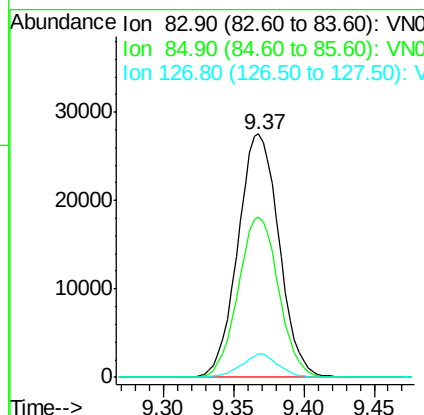
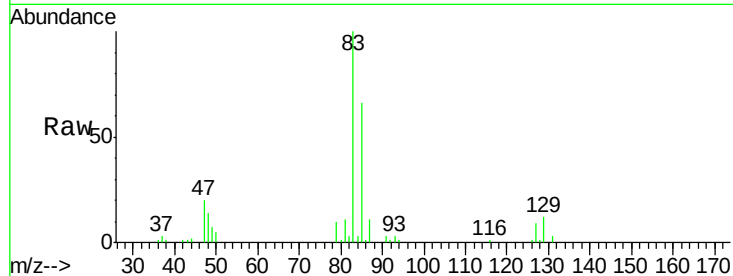
#47
Bromodichloromethane
Concen: 20.564 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBS01

Tot Ion	83	Resp	56210
Ion Ratio	100	Lower	Upper
83	100		
85	65.9	50.8	76.2
127	9.5	7.0	10.4

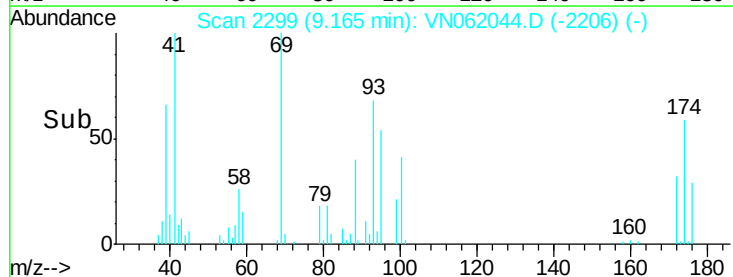
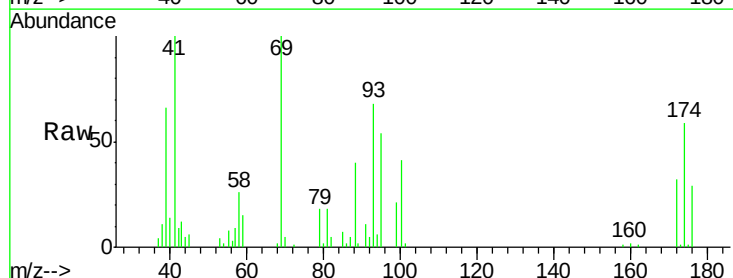
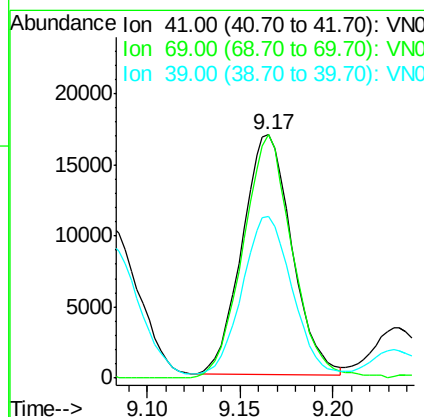
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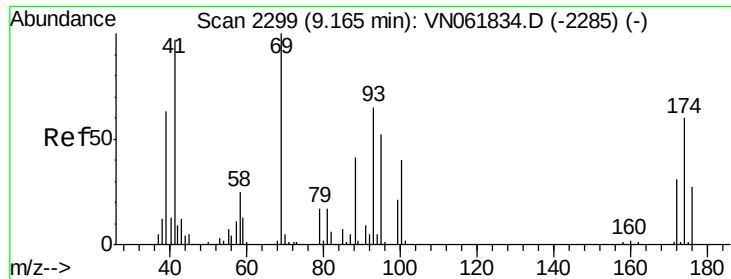
MMDadoda
6/24/2020 10:59:12 AM



#48
Methyl methacrylate
Concen: 20.581 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Tgt Ion	41	Resp	31364
Ion Ratio	100	Lower	Upper
41	100		
69	101.2	83.0	124.4
39	69.8	55.1	82.7





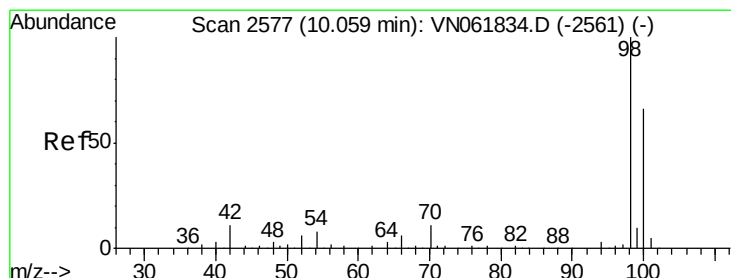
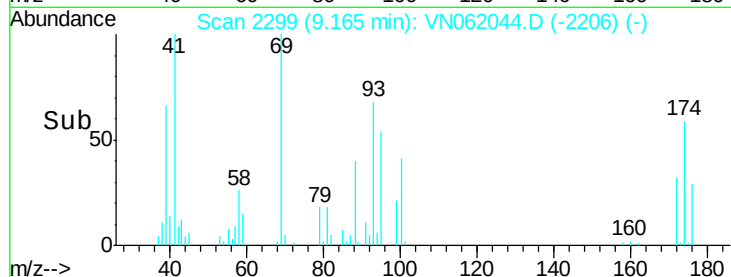
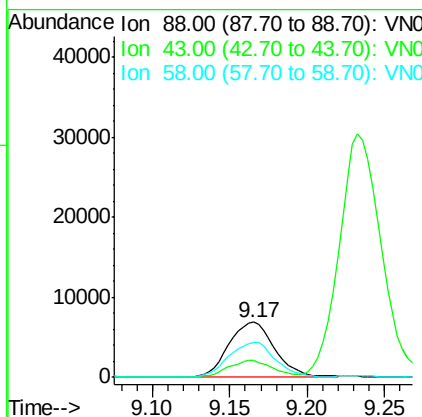
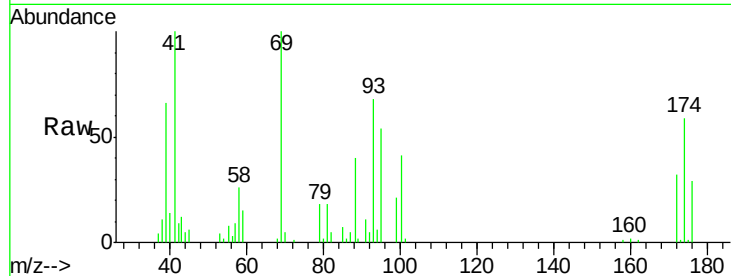
#49
1,4-Dioxane
Concen: 410.593 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBS01

Tot Ion	88	Resp	14366
Ion	Ratio	Lower	Upper
88	100		
43	29.7	23.4	35.2
58	63.5	49.8	74.6

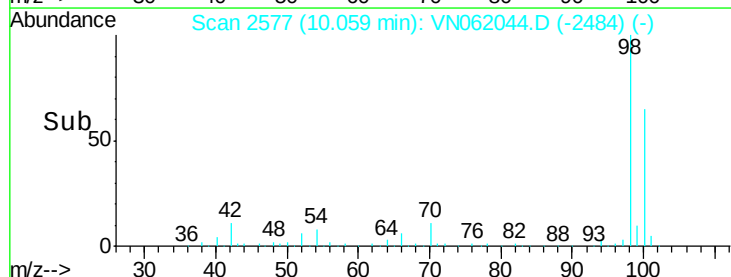
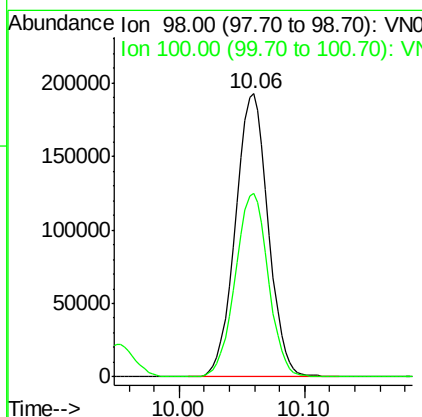
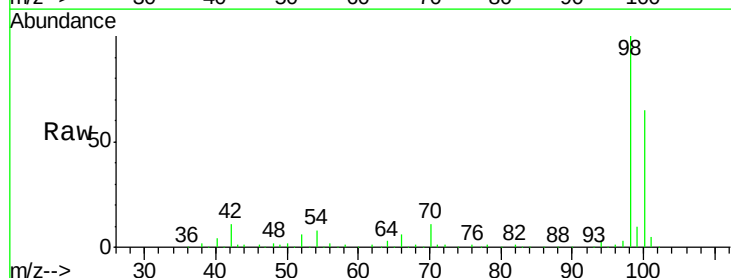
Manual Integrations
APPROVED

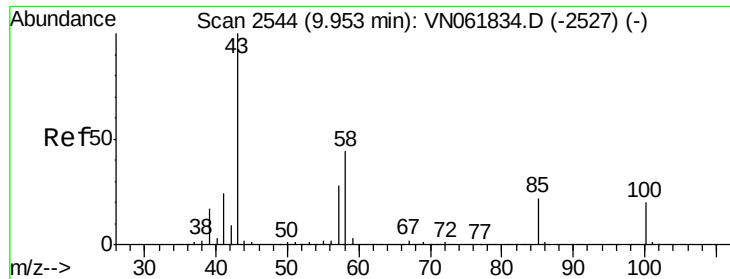
MMDadoda
6/24/2020 10:59:12 AM



#50
Toluene-d8
Concen: 49.870 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Tgt Ion	98	Resp	350174
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 110.066 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBS01

Tot Ion: 43 Resp: 217963

Ion Ratio Lower Upper

43 100

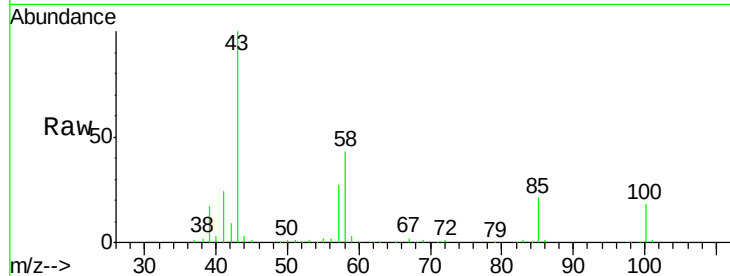
58 42.7 34.6 52.0

Manual Integrations

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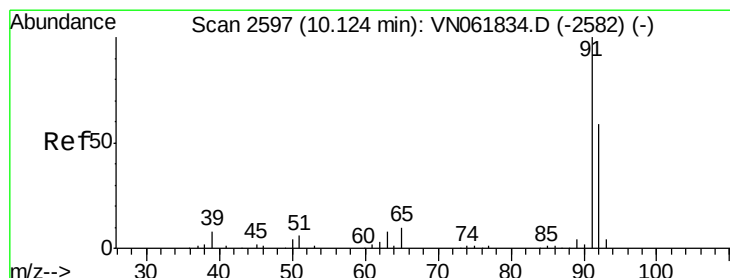
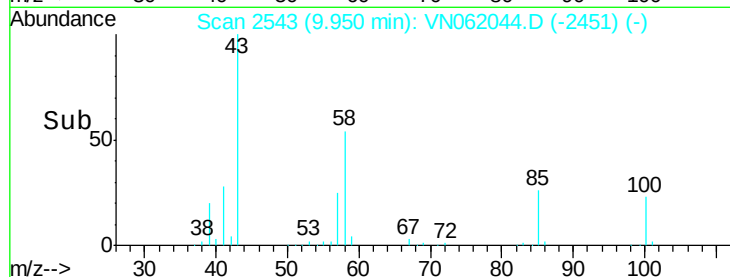
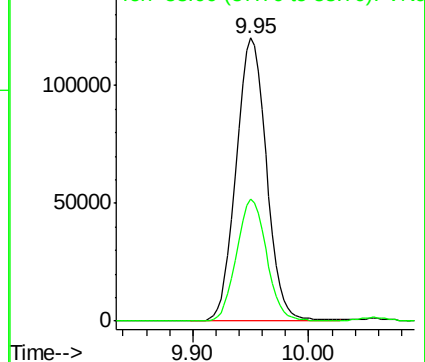
MMDadoda

6/24/2020 10:59:12 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.797 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062044.D

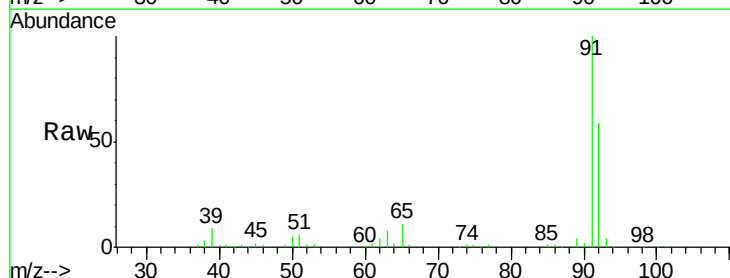
Acq: 23 Jun 2020 16:06

Tgt Ion: 92 Resp: 100748

Ion Ratio Lower Upper

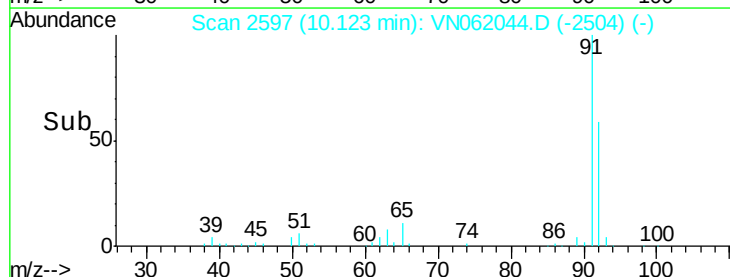
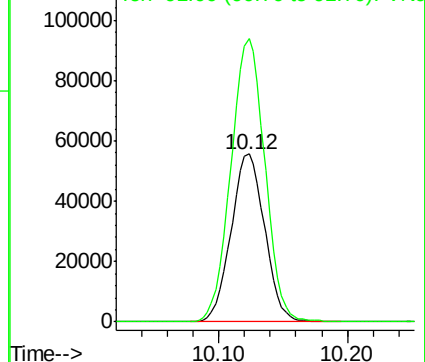
92 100

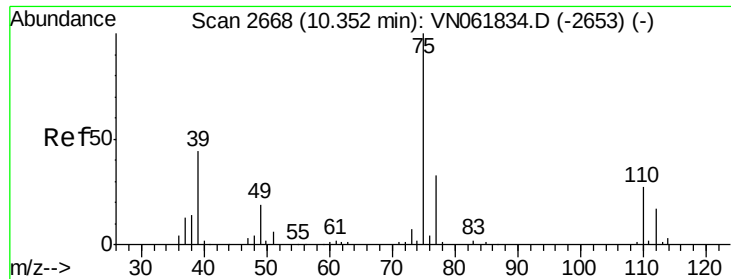
91 170.4 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





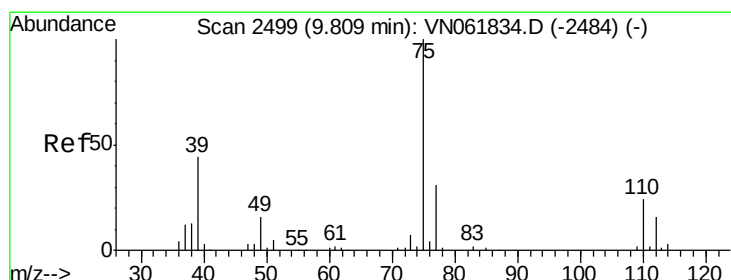
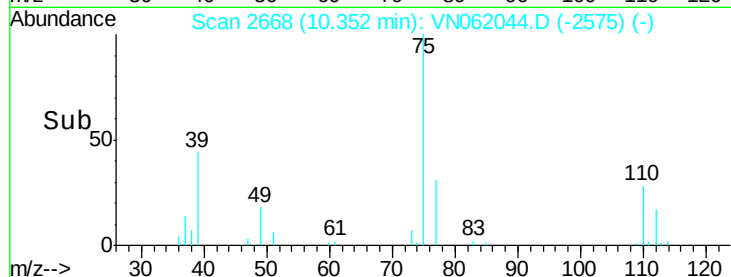
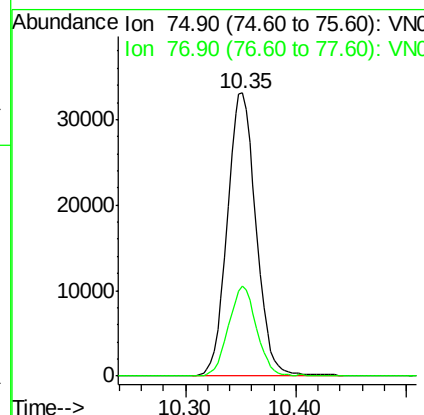
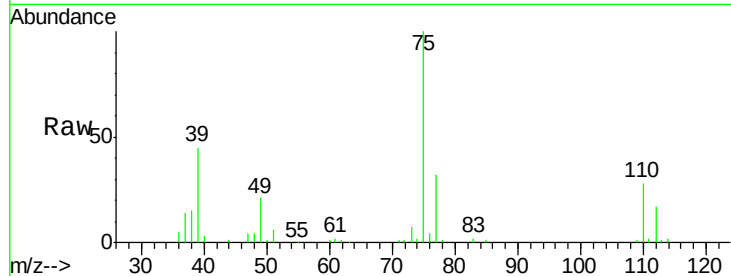
#53
 t-1,3-Dichloropropene
 Concen: 20.625 ug/l
 RT: 10.35 min Scan# 2668
 Delta R.T. -0.00 min
 Lab File: VN062044.D
 Acq: 23 Jun 2020 16:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0623WBS01

Tot Ion: 75 Resp: 59848
 Ion Ratio Lower Upper
 75 100
 77 31.6 26.3 39.5

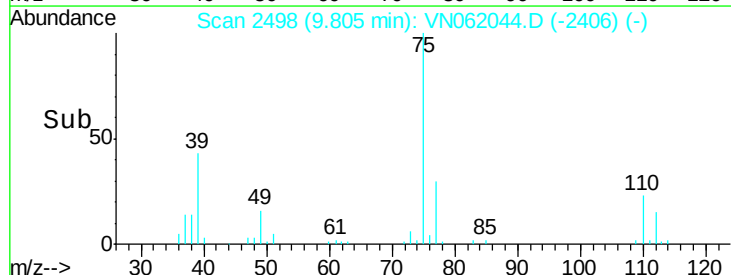
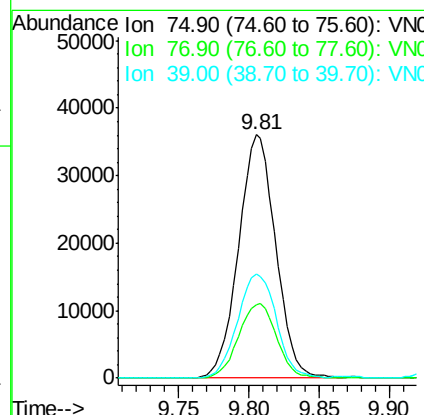
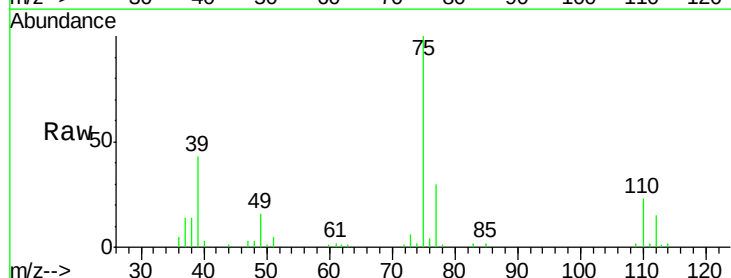
Manual Integrations
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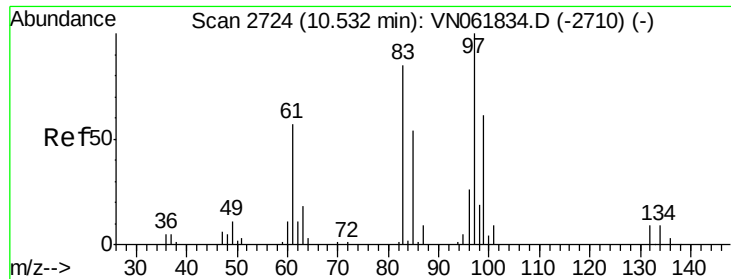
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 21.067 ug/l
 RT: 9.81 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: VN062044.D
 Acq: 23 Jun 2020 16:06

Tgt Ion: 75 Resp: 66398
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.8 37.2
 39 42.7 35.4 53.0





#55

1,1,2-Trichloroethane

Concen: 21.389 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBS01

Tot Ion: 97 Resp: 40768

Ion Ratio Lower Upper

97 100

83 87.9 67.7 101.5

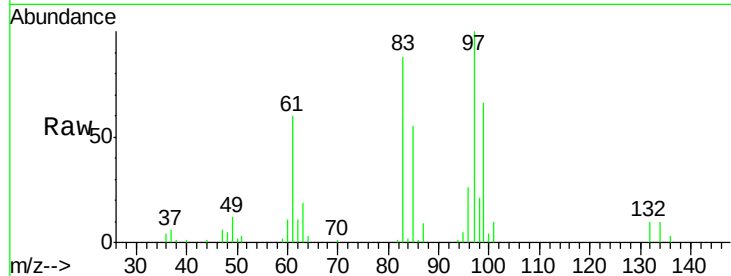
85 55.2 43.4 65.0

99 65.6 48.8 73.2

Manual Integrations
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MMDadoda

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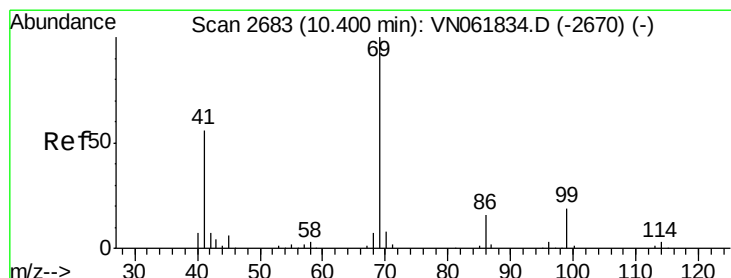
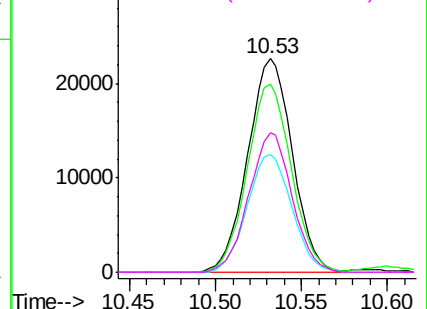
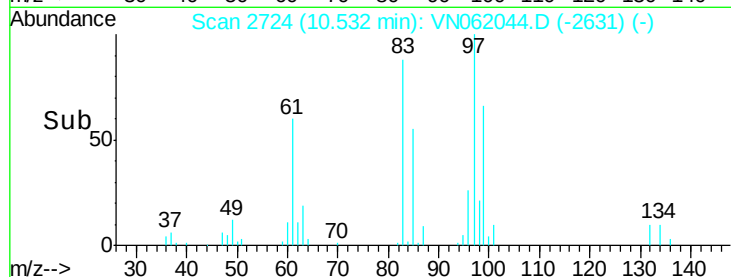


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.192 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

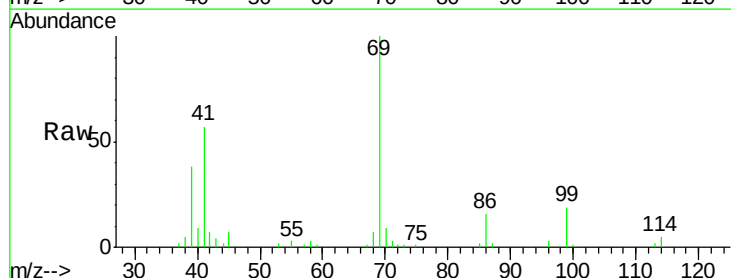
Tgt Ion: 69 Resp: 53441

Ion Ratio Lower Upper

69 100

41 58.4 44.9 67.3

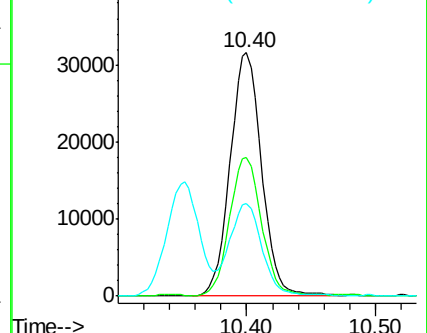
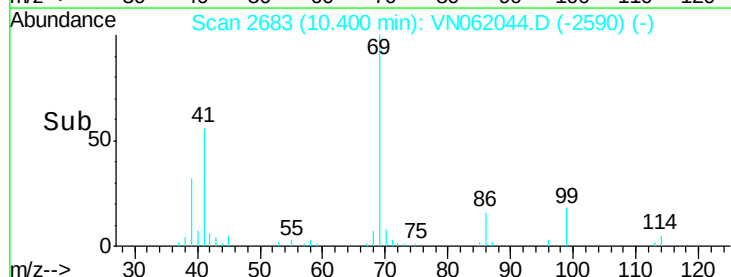
39 38.2 30.0 45.0

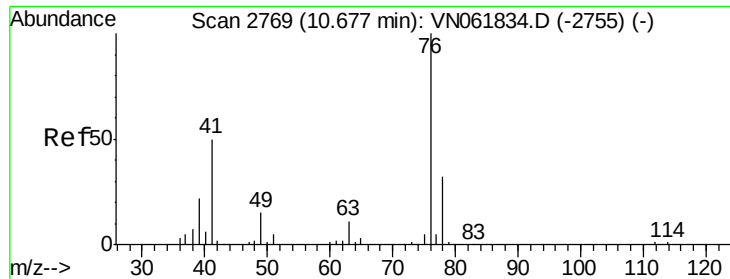


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





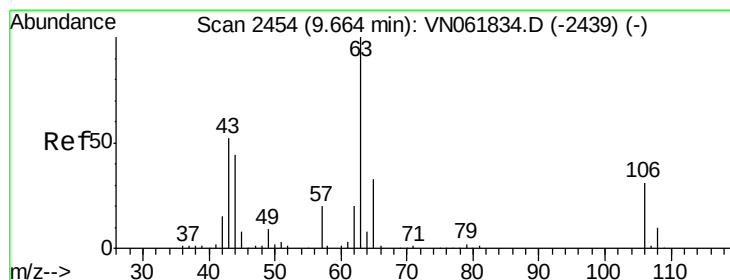
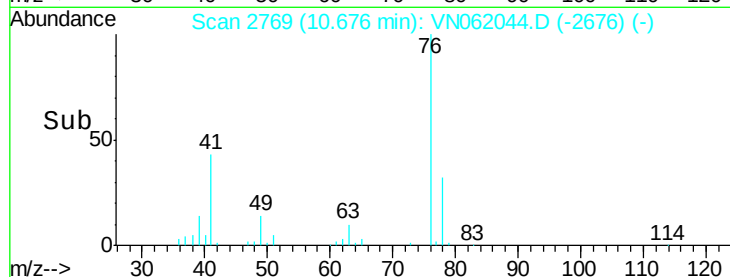
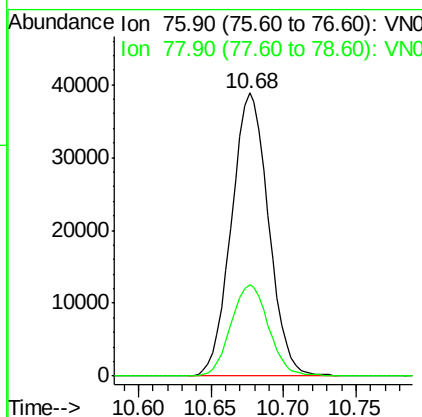
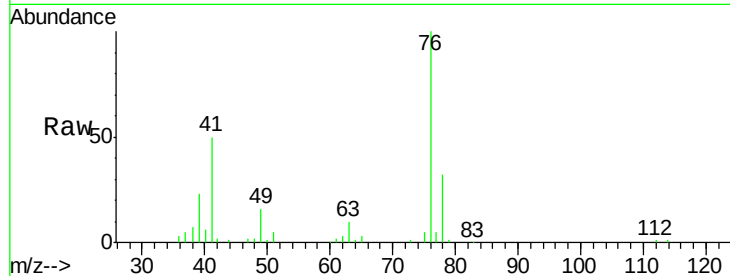
#57
 1,3-Dichloropropane
 Concen: 21.393 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062044.D
 Acq: 23 Jun 2020 16:06

Instrument :
 MSVOA_N
 ClientSampled :
 VN0623WBS01

Tot Ion: 76 Resp: 69081
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.8

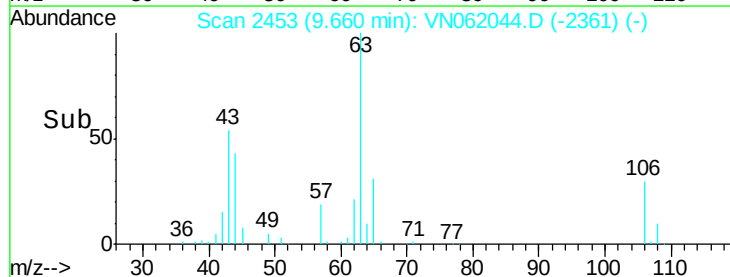
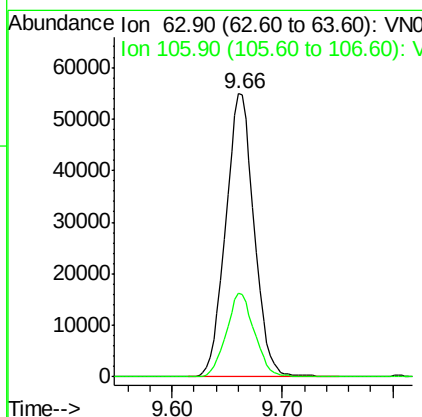
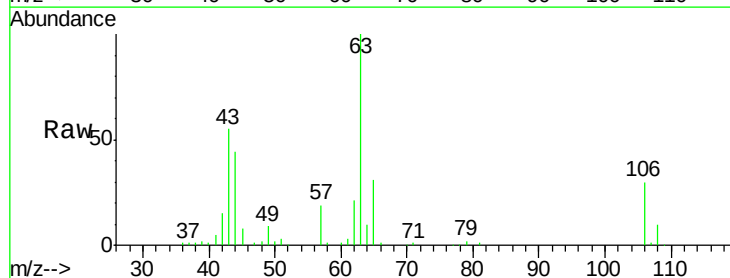
Manual Integrations
 APPROVED

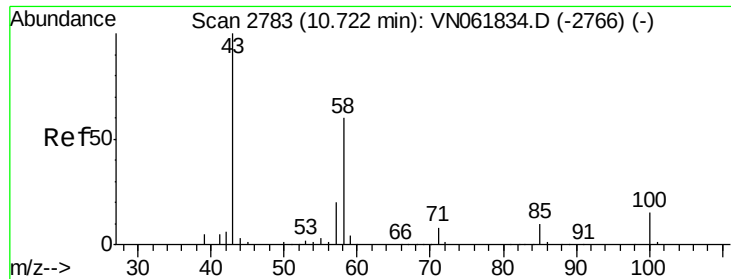
MMDadoda
 6/24/2020 10:59:12 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.367 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN062044.D
 Acq: 23 Jun 2020 16:06

Tgt Ion: 63 Resp: 97946
 Ion Ratio Lower Upper
 63 100
 106 29.3 24.6 36.8





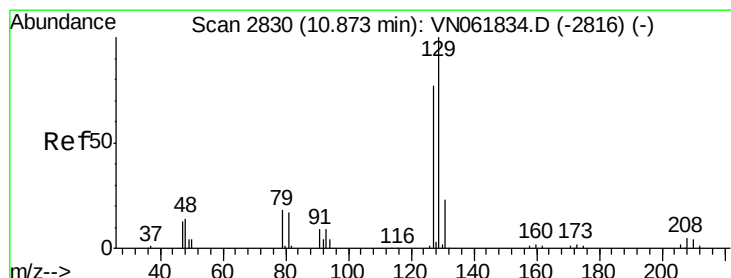
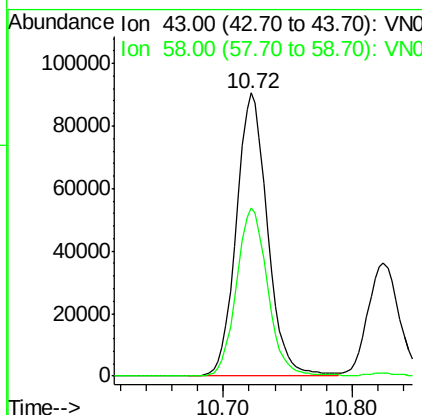
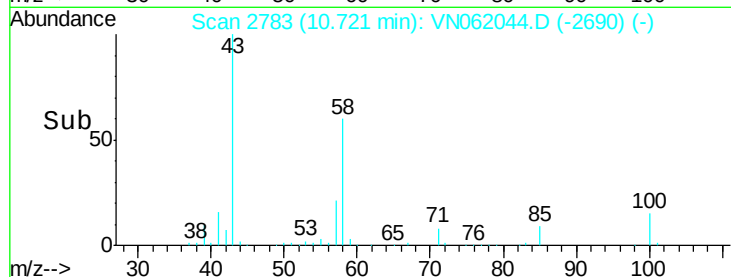
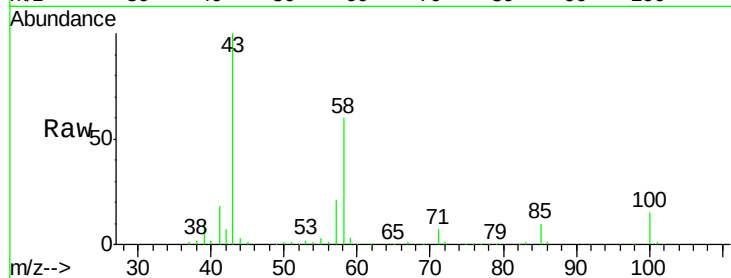
#59
2-Hexanone
Concen: 104.584 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBS01

Tot Ion	43	58	Resp	Lower	Upper
152424	100	59.4		30.1	90.5

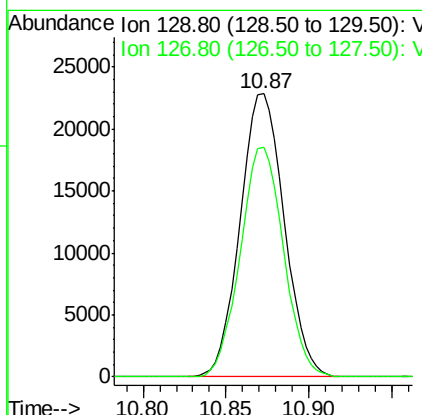
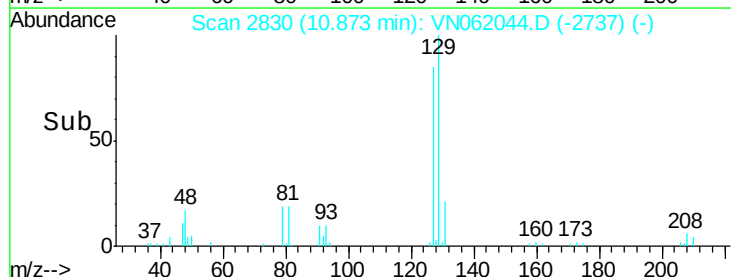
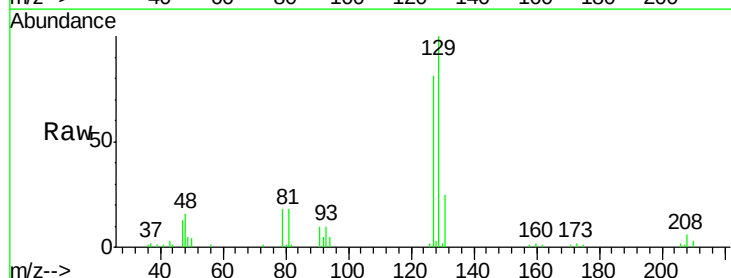
Manual Integrations
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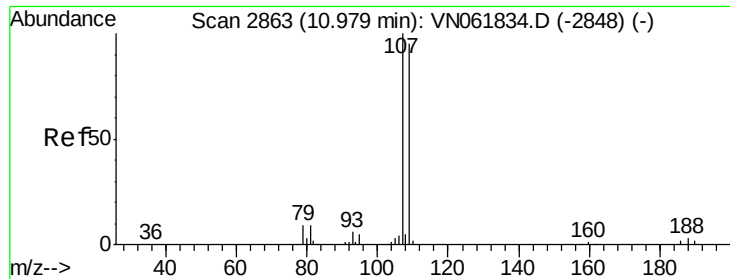
MMDadoda
6/24/2020 10:59:12 AM



#60
Dibromochloromethane
Concen: 19.866 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Tgt Ion	129	127	Resp	Lower	Upper
42252	100	79.5		38.5	115.5





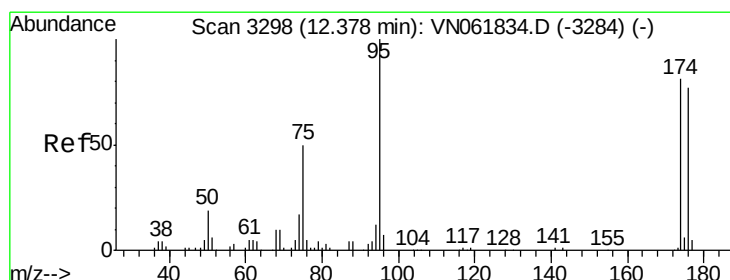
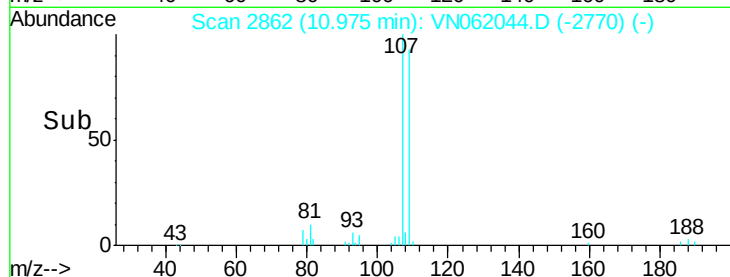
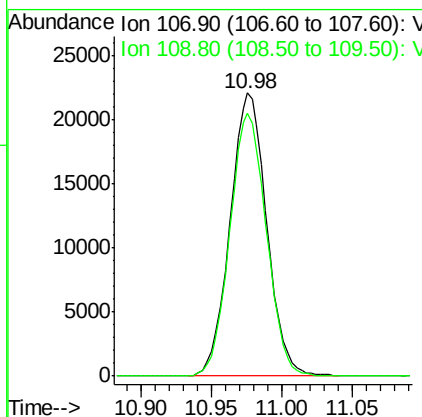
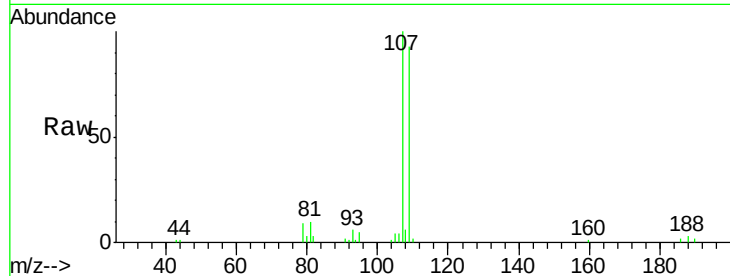
#61
 1,2-Dibromoethane
 Concen: 20.168 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062044.D
 Acq: 23 Jun 2020 16:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0623WBS01

Tot Ion:107 Resp: 40141
 Ion Ratio Lower Upper
 107 100
 109 92.5 75.0 112.6

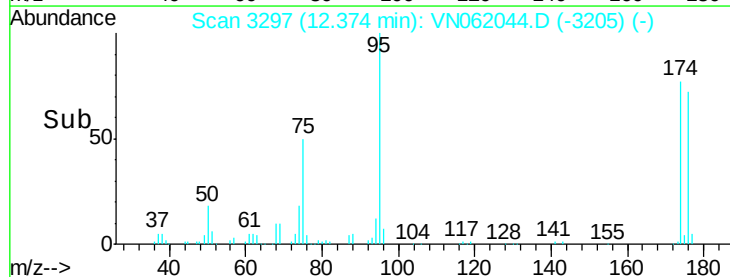
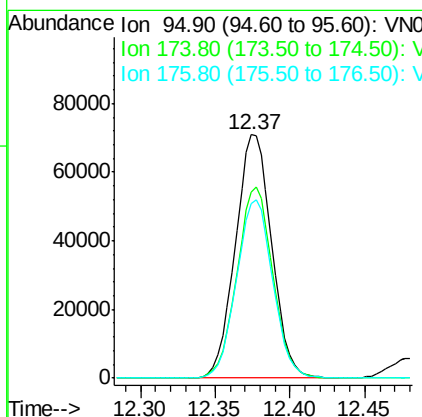
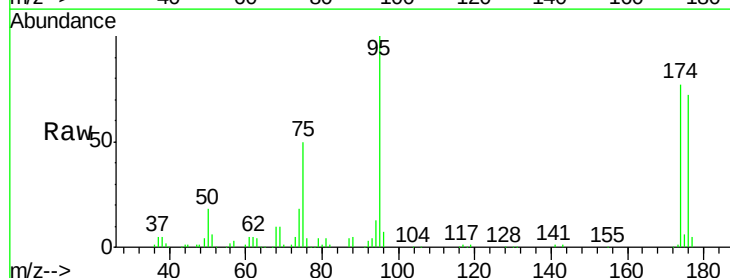
Manual Integrations
 APPROVED

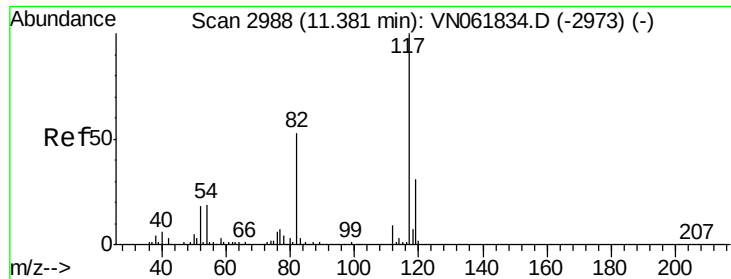
MMDadoda
 6/24/2020 10:59:12 AM



#62
 4-Bromofluorobenzene
 Concen: 49.748 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN062044.D
 Acq: 23 Jun 2020 16:06

Tgt Ion: 95 Resp: 119820
 Ion Ratio Lower Upper
 95 100
 174 77.3 0.0 158.6
 176 73.0 0.0 152.0





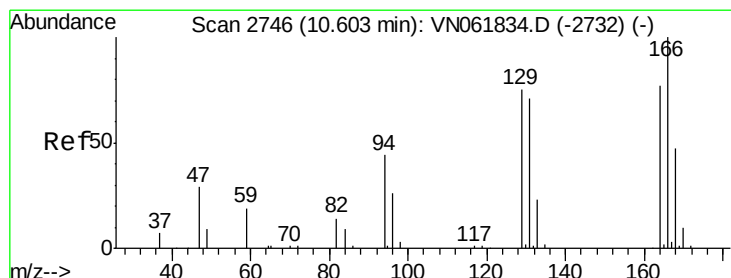
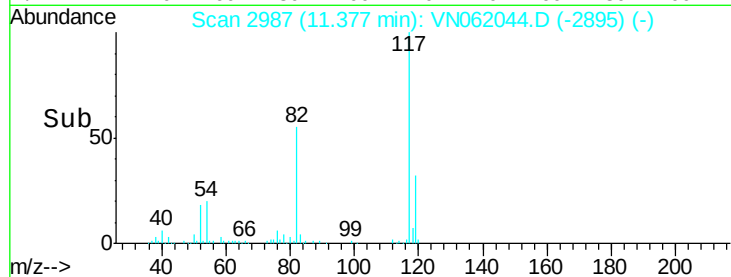
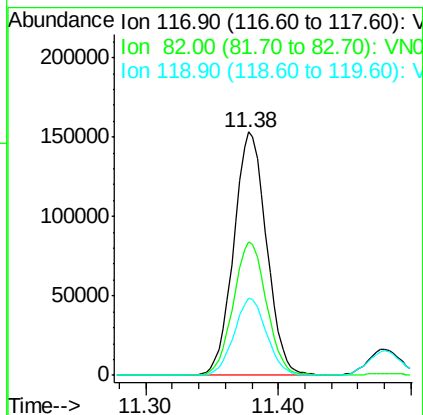
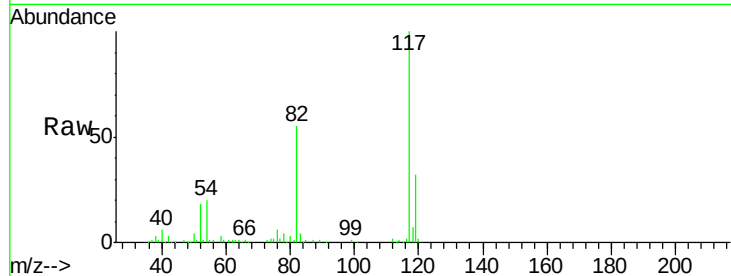
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	42.6	64.0
119	31.7	24.7	37.1

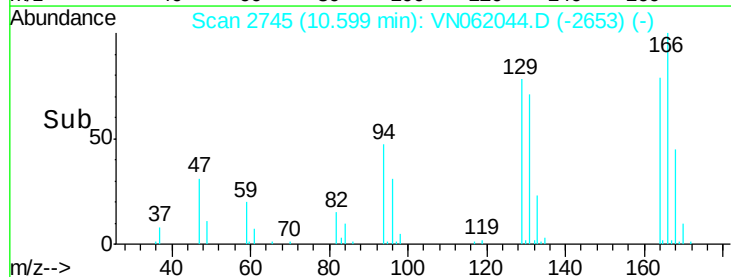
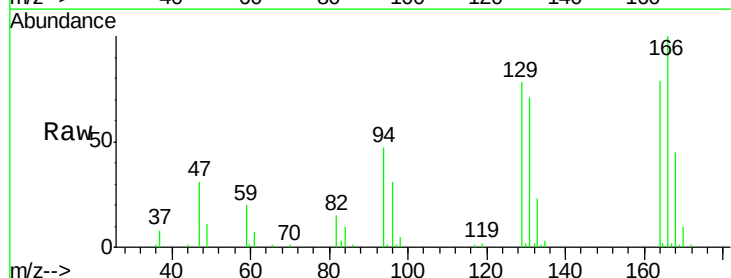
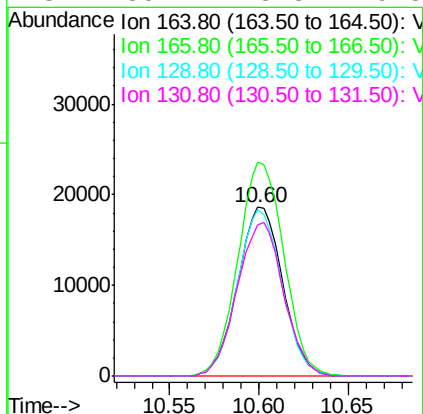
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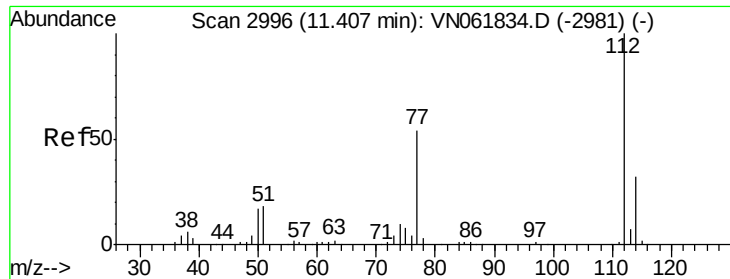
MMDadoda
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#64
Tetrachloroethene
Concen: 19.502 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	103.5	155.3
129	98.3	77.5	116.3
131	89.7	73.8	110.8





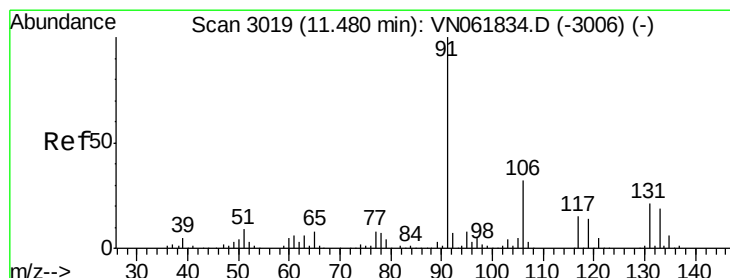
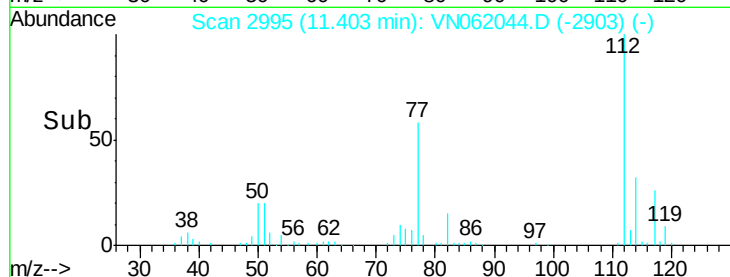
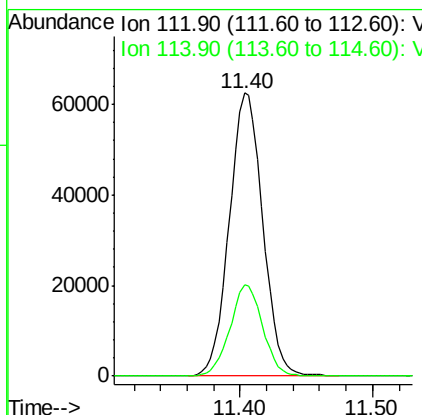
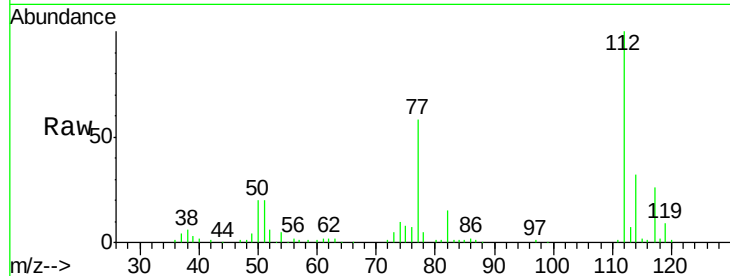
#65
Chlorobenzene
Concen: 19.678 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBS01

Tot Ion:112 Resp: 109293
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6

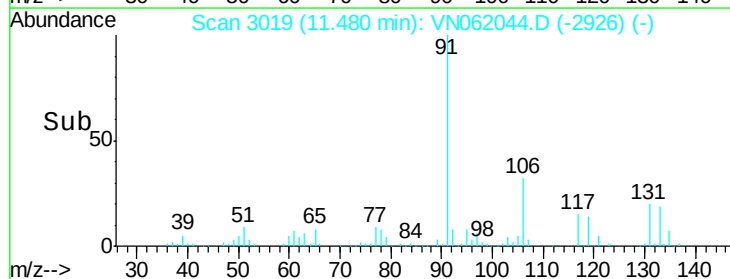
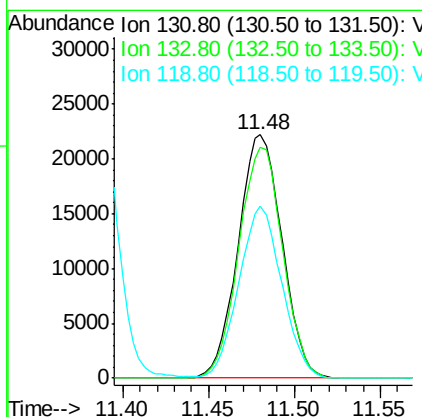
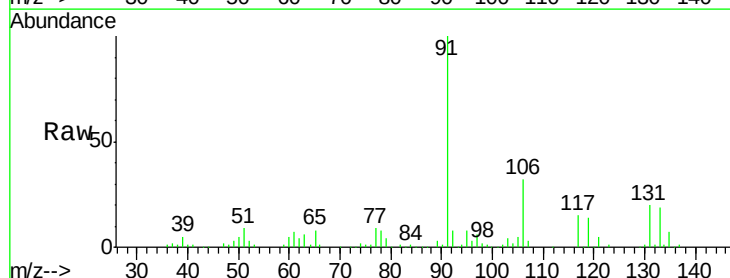
Manual Integrations
APPROVED

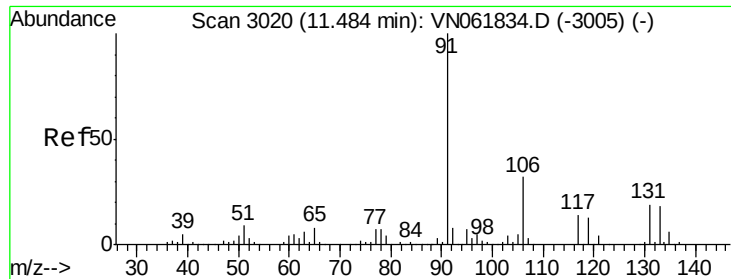
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.310 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Tgt Ion:131 Resp: 39341
Ion Ratio Lower Upper
131 100
133 94.7 47.5 142.5
119 69.1 34.0 101.8





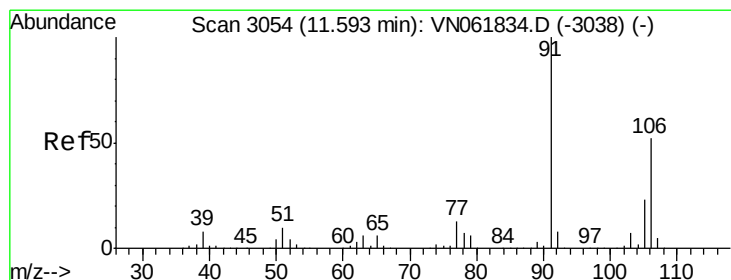
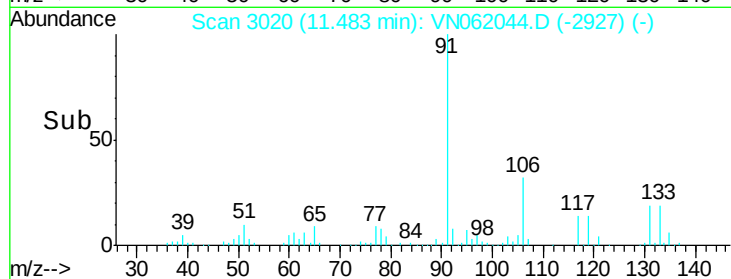
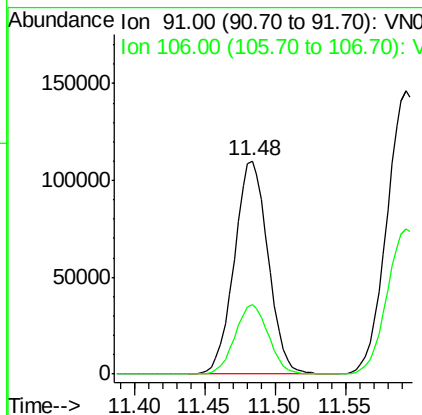
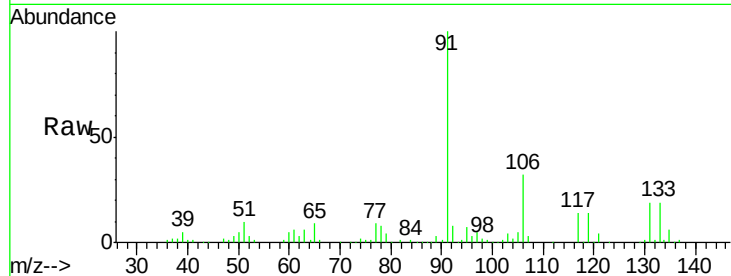
#67
Ethyl Benzene
Concen: 19.837 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Instrument :
MSVOA_N
ClientSampled :
VN0623WBS01

Tot Ion: 91 Resp: 184725
Ion Ratio Lower Upper
91 100
106 32.4 25.4 38.2

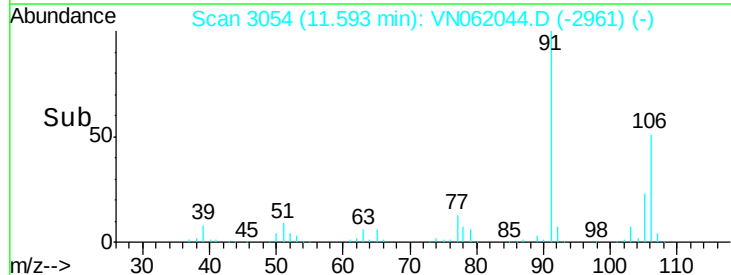
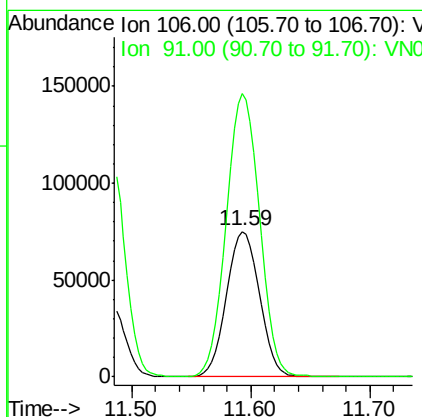
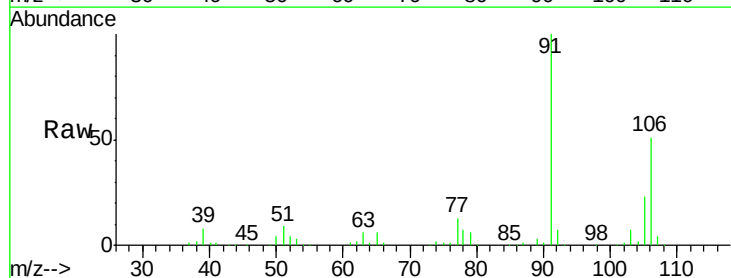
Manual Integrations
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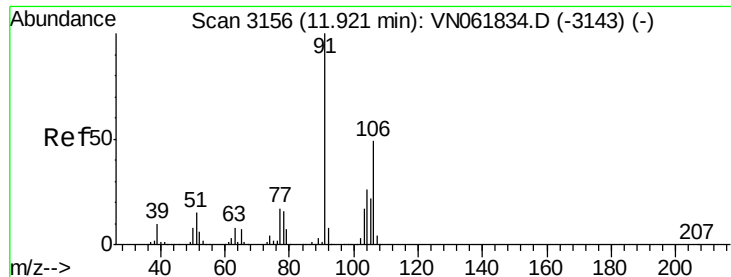
MMDadoda
6/24/2020 10:59:12 AM



#68
m/p-Xylenes
Concen: 40.383 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Tgt Ion: 106 Resp: 145005
Ion Ratio Lower Upper
106 100
91 195.4 157.0 235.6





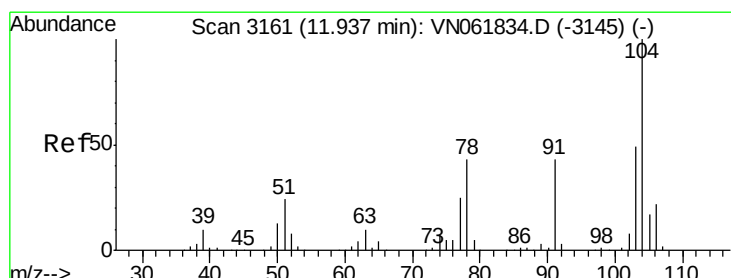
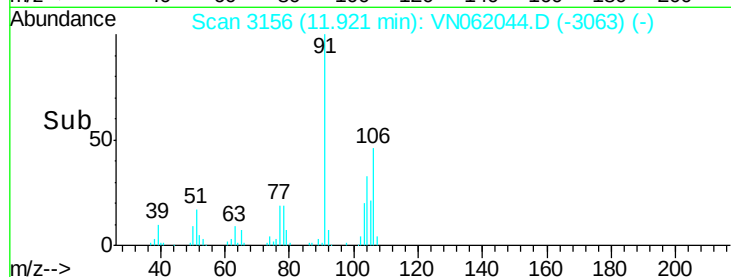
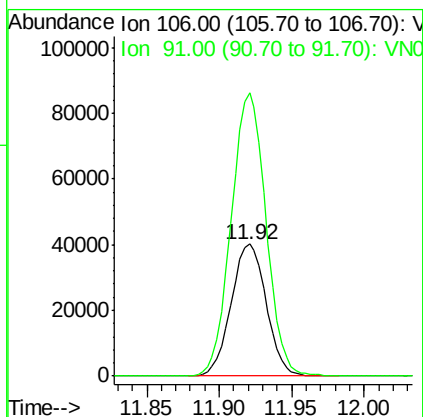
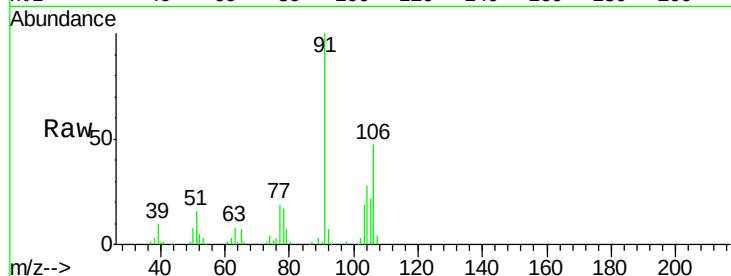
#69
o-Xylene
Concen: 19.716 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBS01

Tot Ion:106 Resp: 67548
Ion Ratio Lower Upper
106 100
91 212.2 103.0 308.9

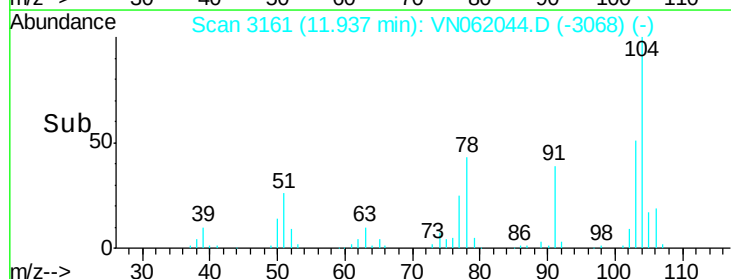
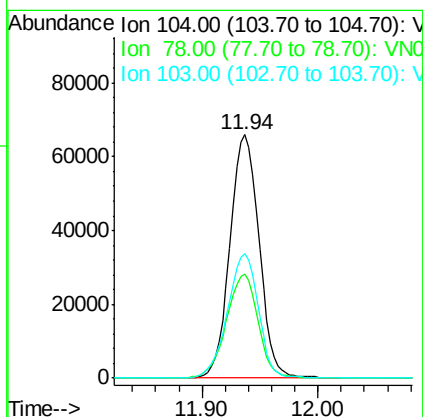
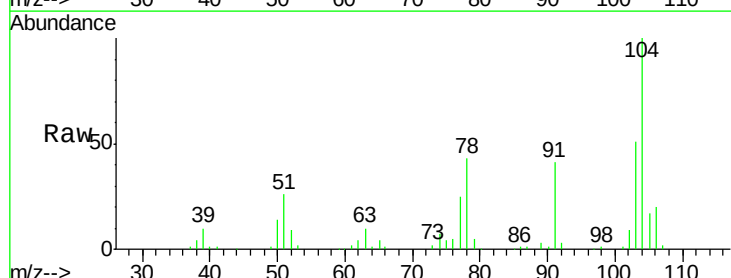
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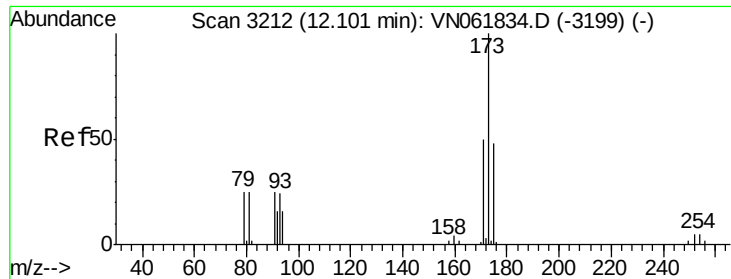
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#70
Styrene
Concen: 20.080 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Tgt Ion:104 Resp: 115190
Ion Ratio Lower Upper
104 100
78 46.5 37.6 56.4
103 54.1 43.0 64.4





#71

Bromoform

Concen: 19.433 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBS01

Tot Ion:173 Resp: 27447

Ion Ratio Lower Upper

173 100

175 48.8 23.9 71.7

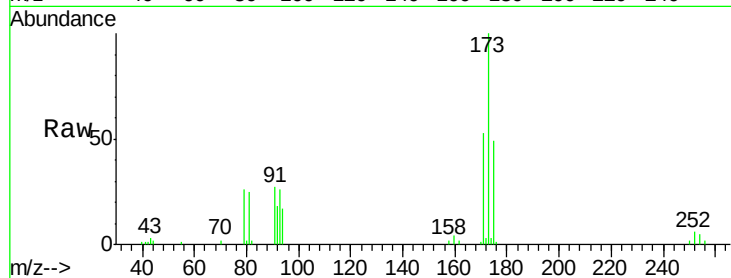
254 0.0 0.0 0.0

Manual Integrations

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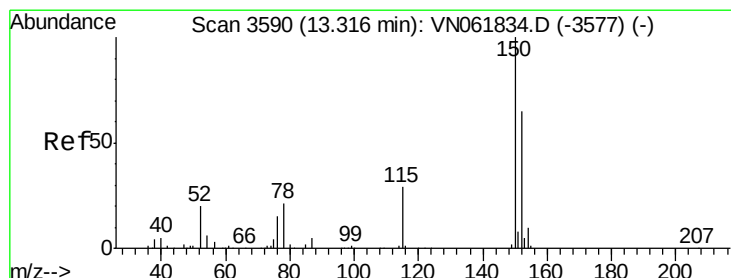
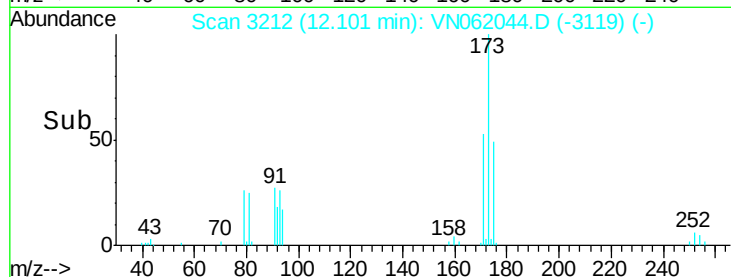
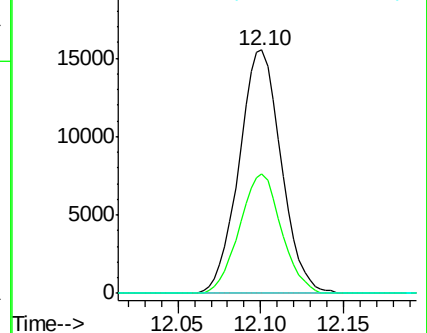
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN062044.D

Acq: 23 Jun 2020 16:06

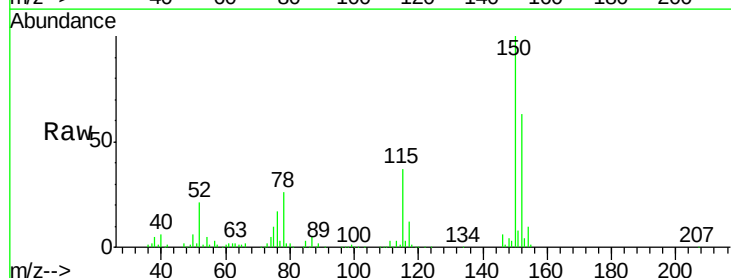
Tgt Ion:152 Resp: 121831

Ion Ratio Lower Upper

152 100

115 57.7 29.1 87.3

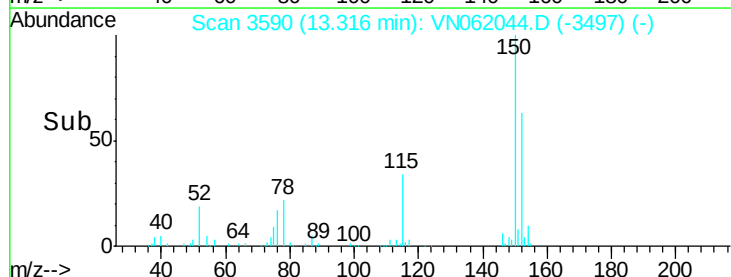
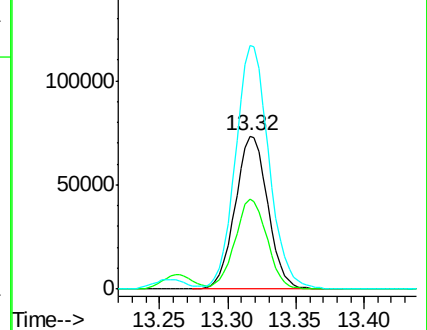
150 163.8 0.0 347.6

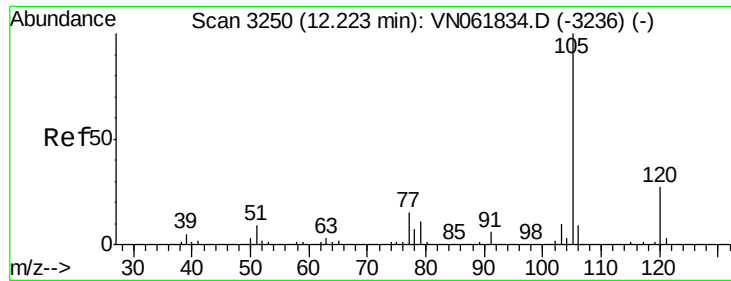


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





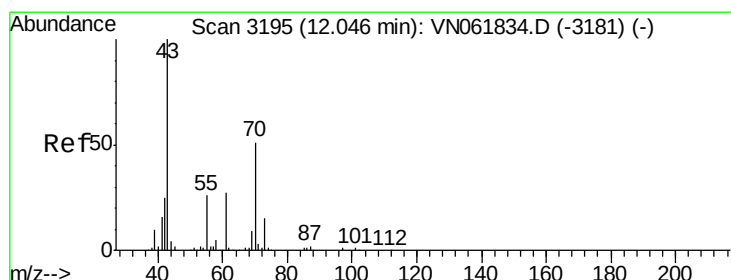
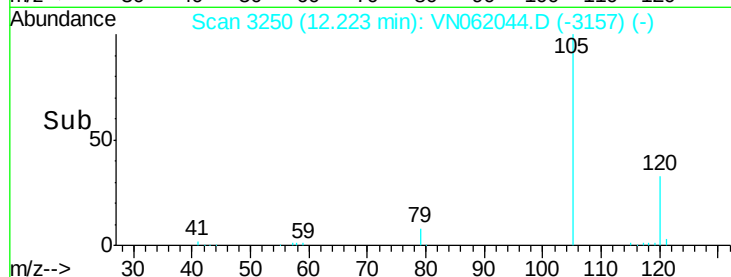
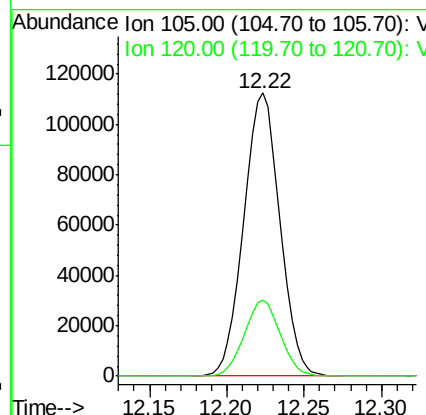
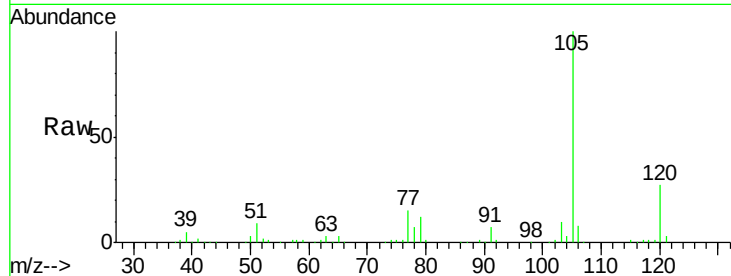
#73
Isopropylbenzene
Concen: 21.130 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.3	39.8

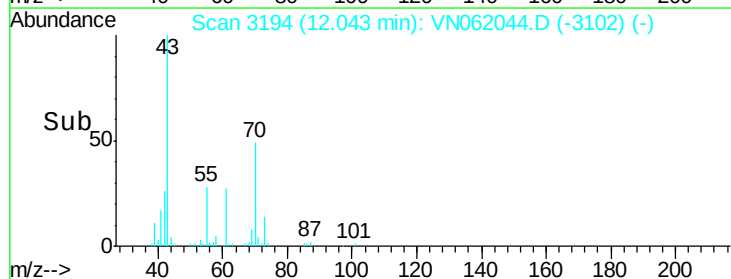
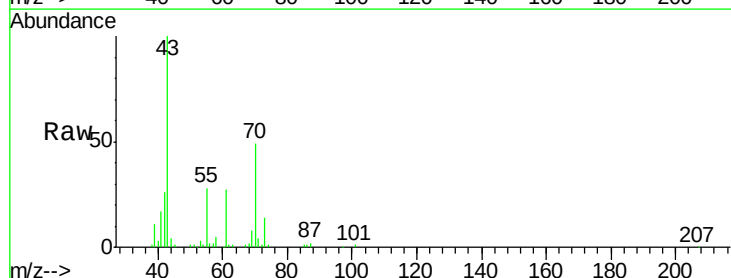
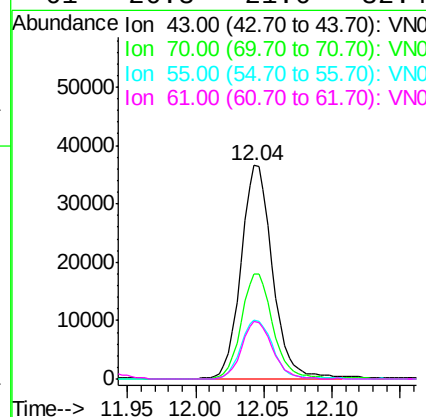
Manual Integrations
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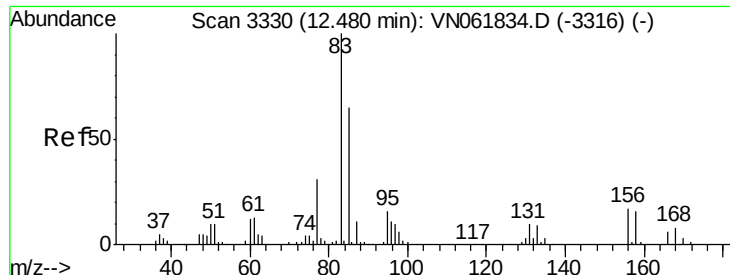
MMDadoda
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#74
N-ethyl acetate
Concen: 20.665 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
43	100		
70	49.2	40.6	60.8
55	28.2	21.5	32.3
61	26.3	21.6	32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.813 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

Instrument :

MSVOA_N

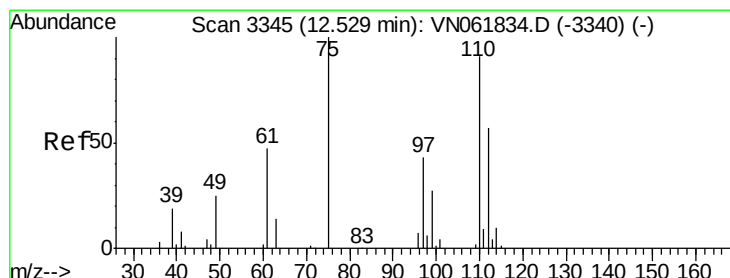
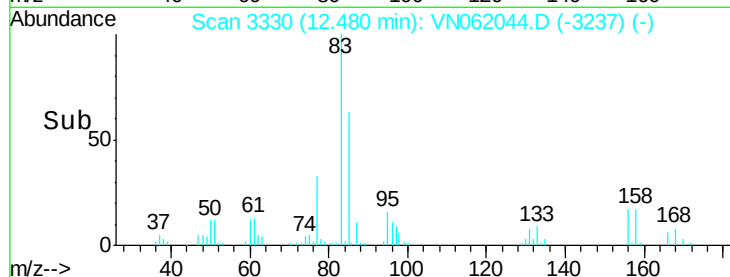
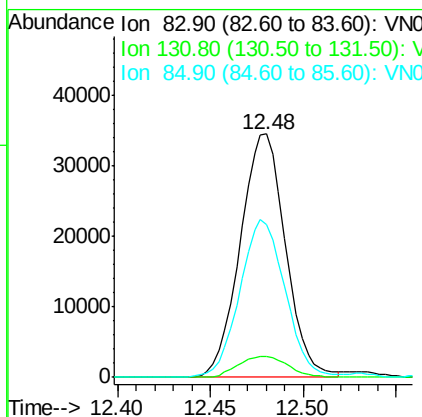
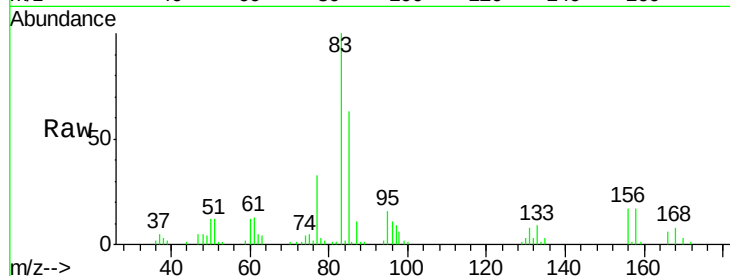
ClientSampleId :

VN0623WBS01

Tot Ion:	83	Resp:	58583
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.0	15.0
85	64.8	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.705 ug/l m

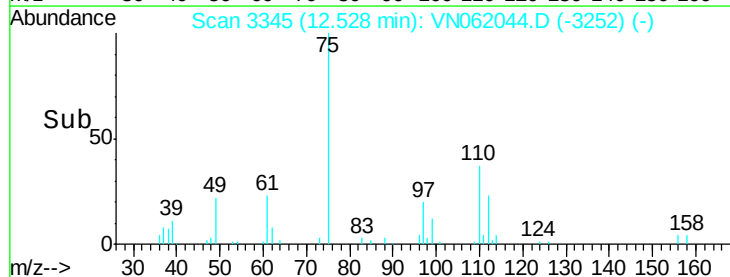
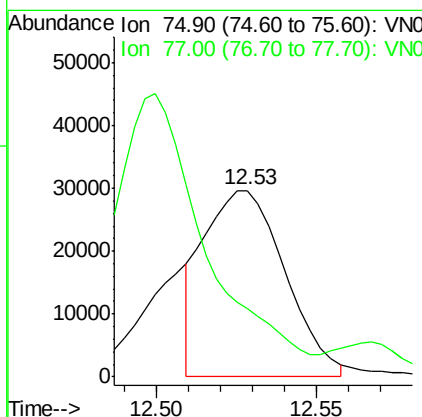
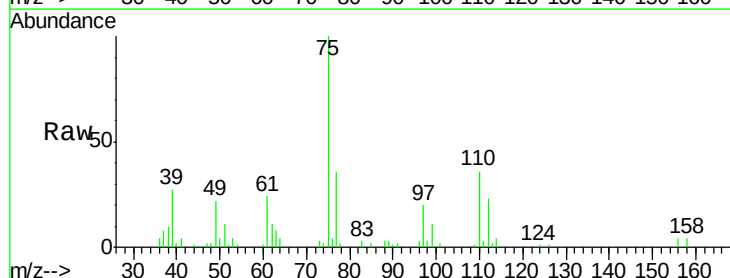
RT: 12.53 min Scan# 3345

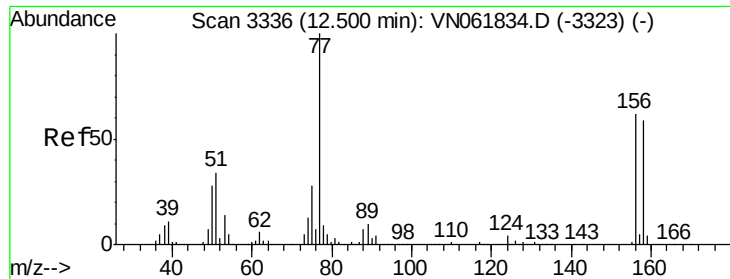
Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

Tgt Ion:	75	Resp:	51915
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.453 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBS01

Tot Ion:156 Resp: 44672

Ion Ratio Lower Upper

156 100

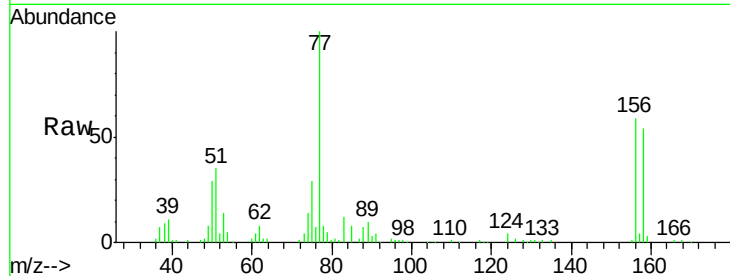
77 204.7 100.7 302.1

158 94.5 48.5 145.5

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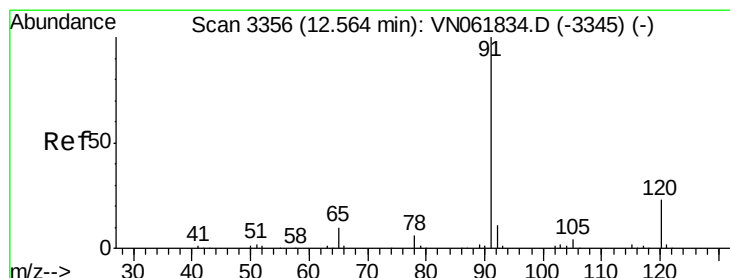
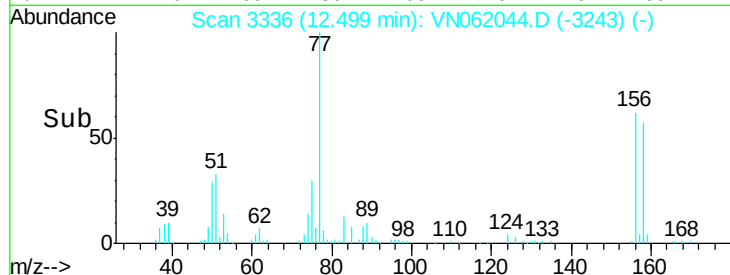
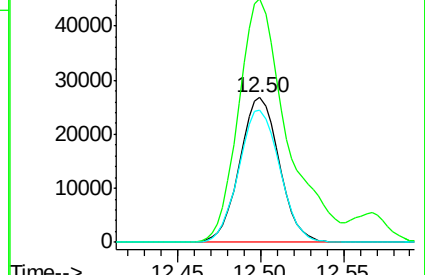
6/24/2020 10:59:12 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.202 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN062044.D

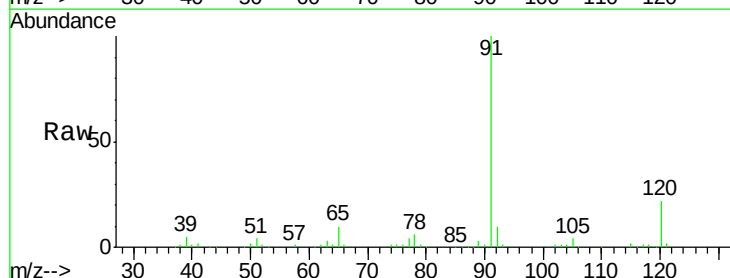
Acq: 23 Jun 2020 16:06

Tgt Ion: 91 Resp: 209443

Ion Ratio Lower Upper

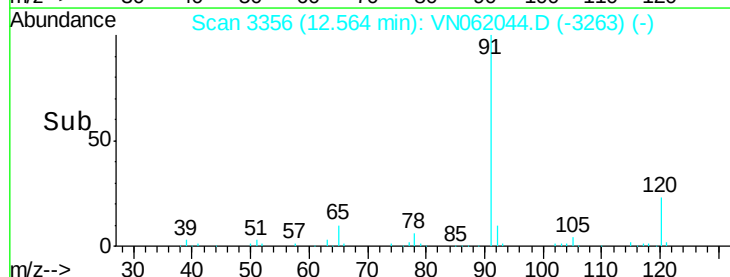
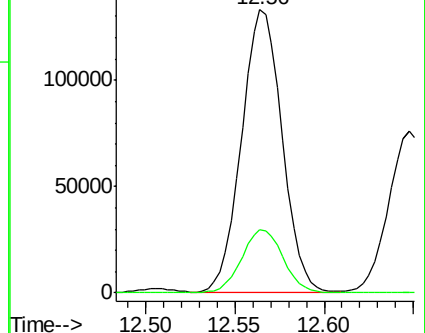
91 100

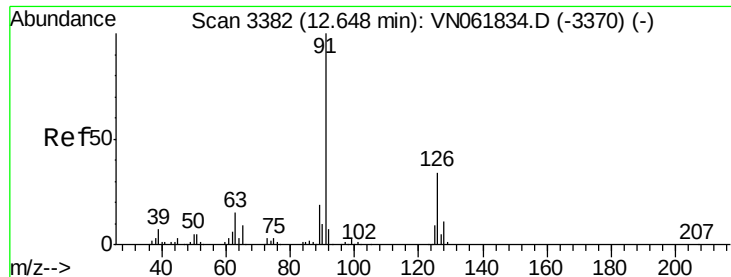
120 23.0 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.998 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBS01

Tot Ion: 91 Resp: 124579

Ion Ratio Lower Upper

91 100

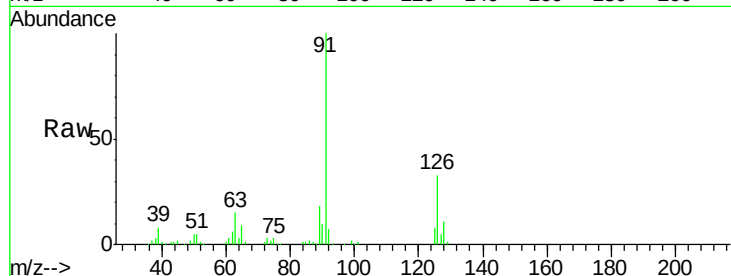
126 34.2 17.3 51.7

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

Ion 125.90 (125.60 to 126.60): VN061834.D (-3370) (-)

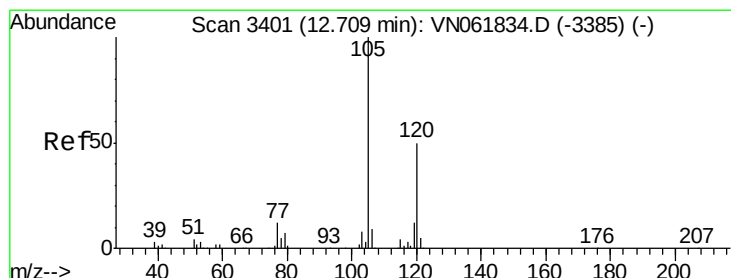
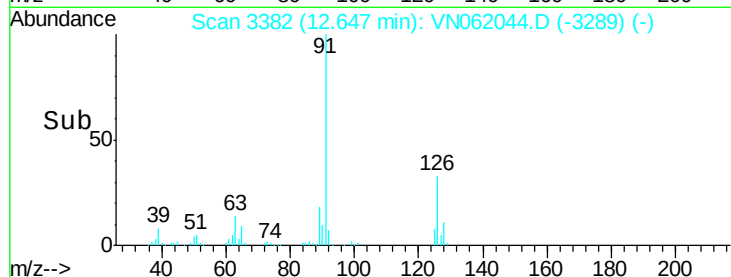
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.827 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062044.D

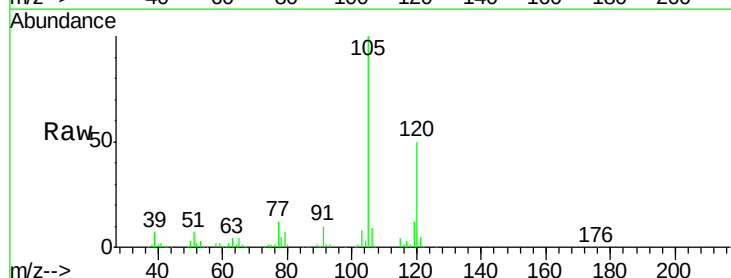
Acq: 23 Jun 2020 16:06

Tgt Ion: 105 Resp: 149171

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.7



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

Ion 120.00 (119.70 to 120.70): VN061834.D (-3385) (-)

100000

80000

60000

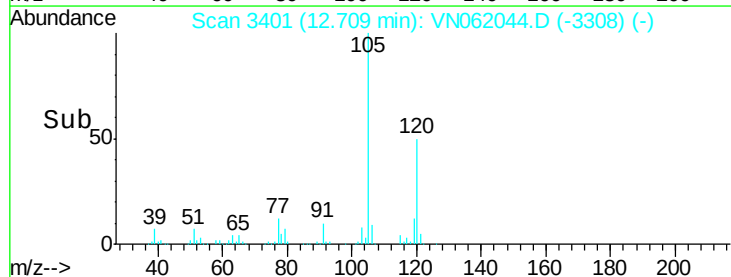
40000

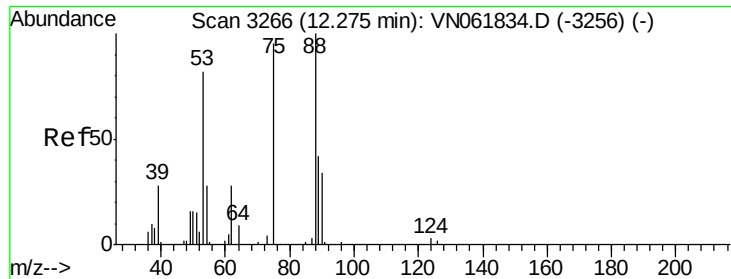
20000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.677 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

Instrument :

MSVOA_N

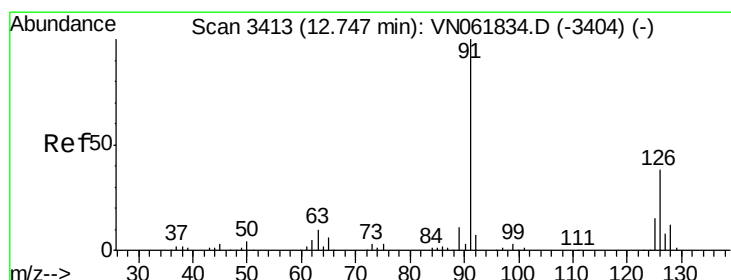
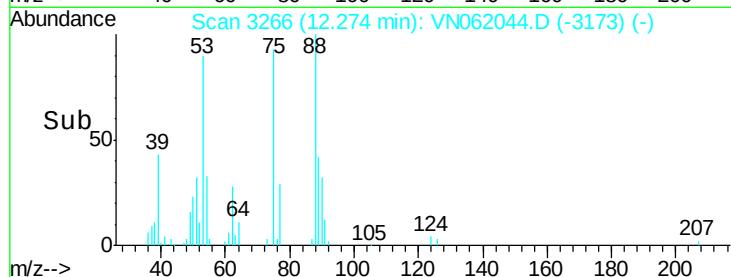
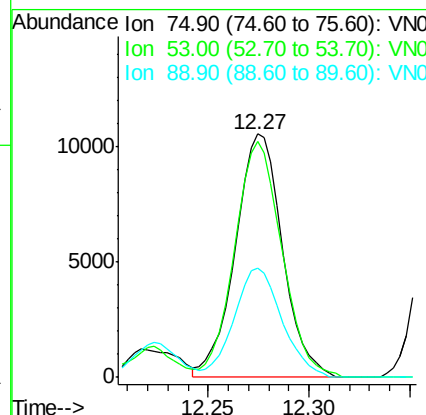
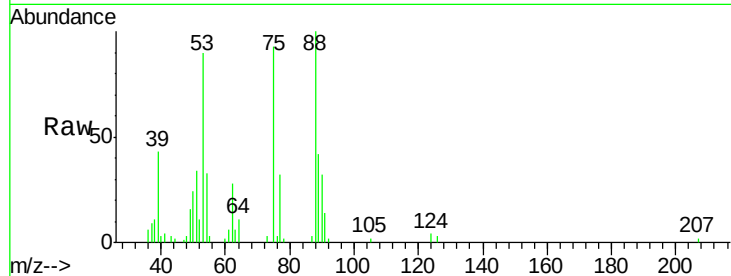
ClientSampleId :

VN0623WBS01

Tot Ion:	75	Resp:	17256
Ion	Ratio	Lower	Upper
75	100		
53	97.2	70.4	105.6
89	45.7	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.078 ug/l

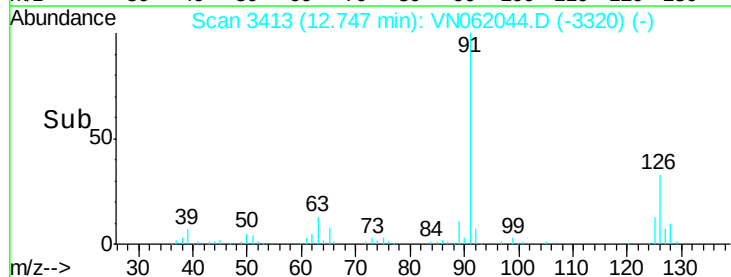
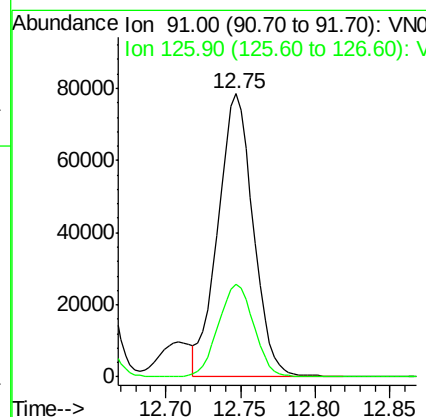
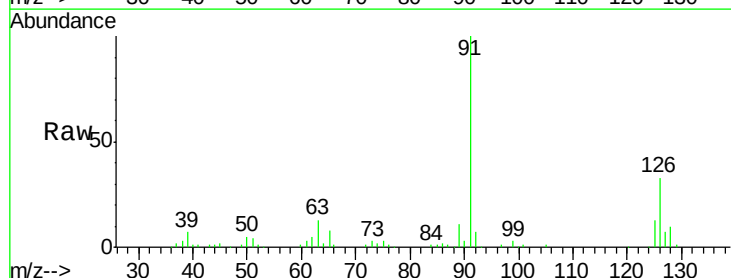
RT: 12.75 min Scan# 3413

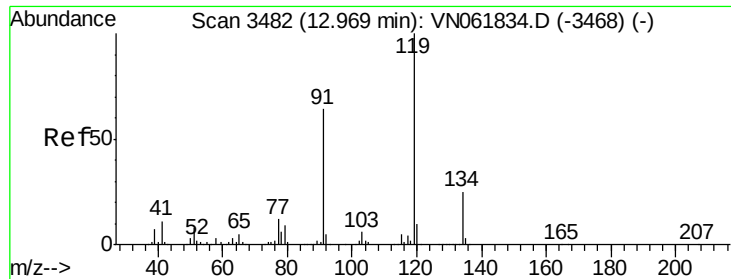
Delta R.T. -0.00 min

Lab File: VN062044.D

Acq: 23 Jun 2020 16:06

Tgt Ion:	91	Resp:	129220
Ion	Ratio	Lower	Upper
91	100		
126	32.9	17.2	51.6





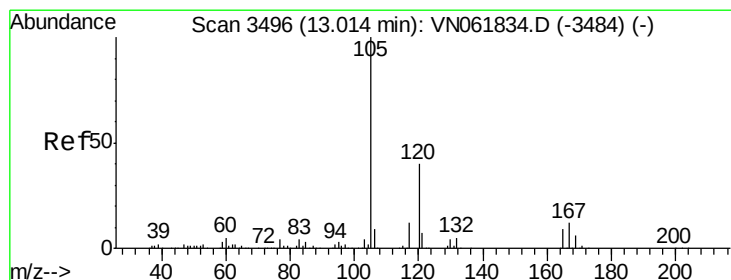
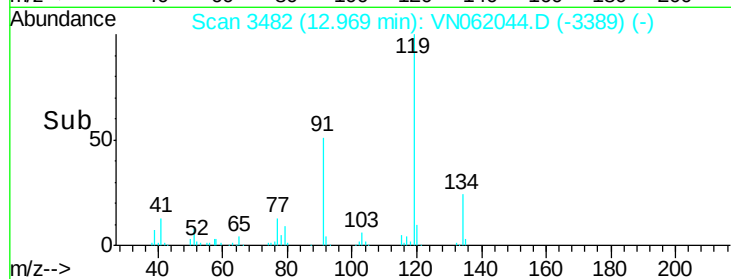
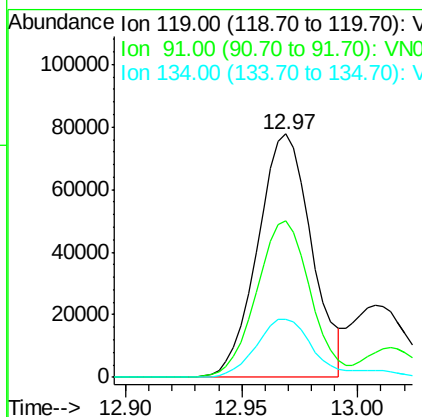
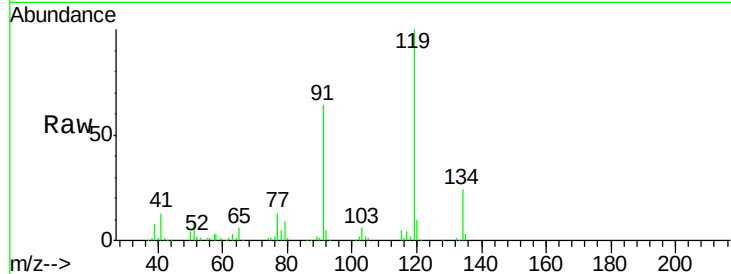
#83
 tert-Butylbenzene
 Concen: 20.666 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062044.D
 Acq: 23 Jun 2020 16:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0623WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.7	31.5	94.5
134	25.0	13.3	39.9

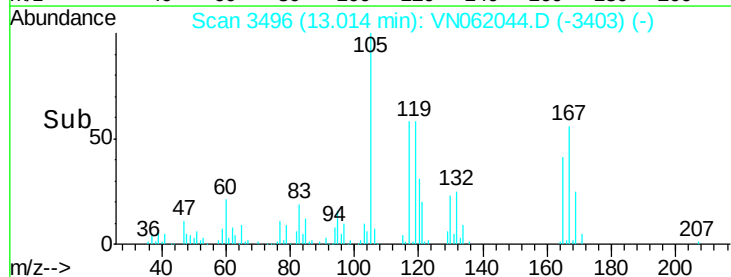
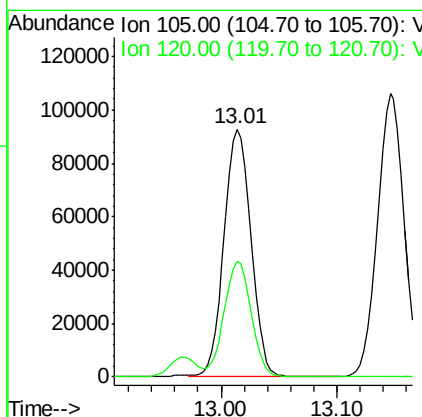
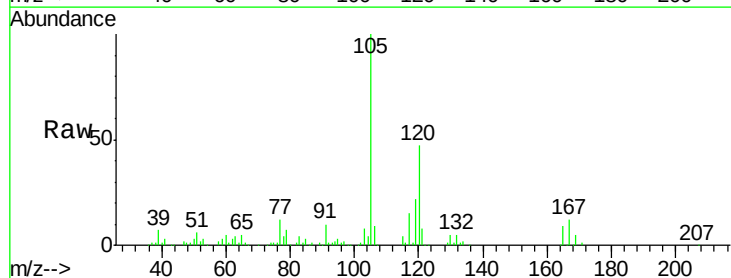
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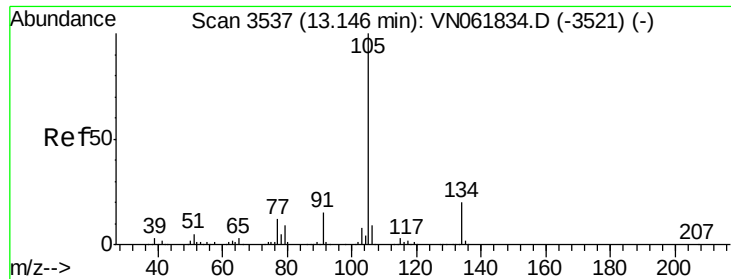
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.168 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062044.D
 Acq: 23 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.3	69.9





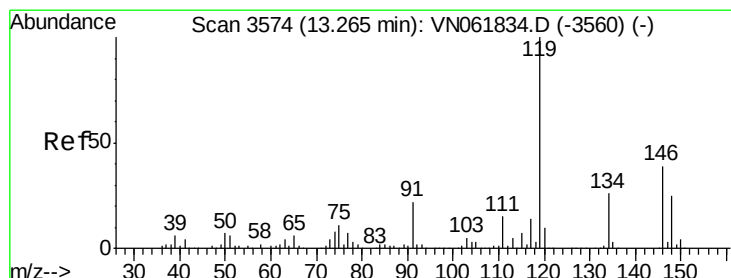
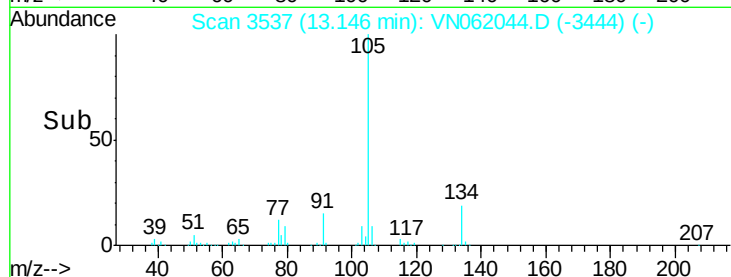
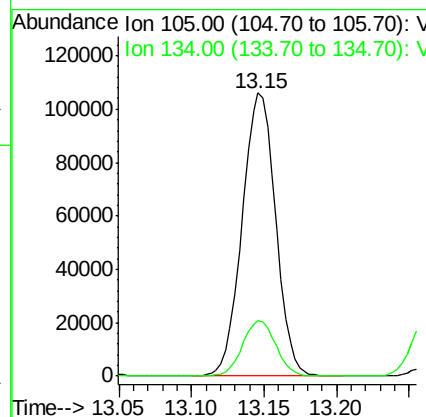
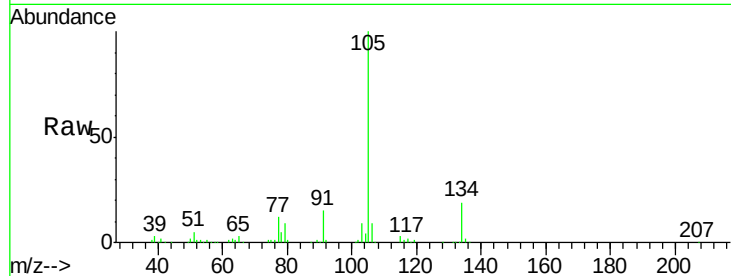
#85
 sec-Butylbenzene
 Concen: 21.439 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062044.D
 Acq: 23 Jun 2020 16:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0623WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	10.1	30.1

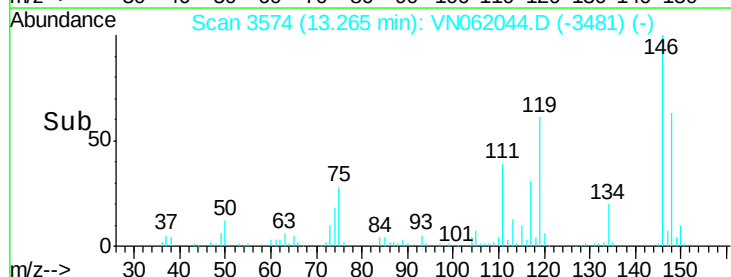
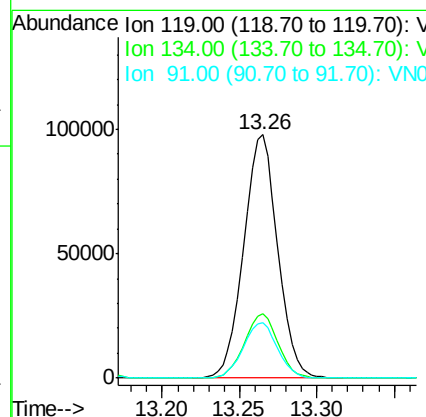
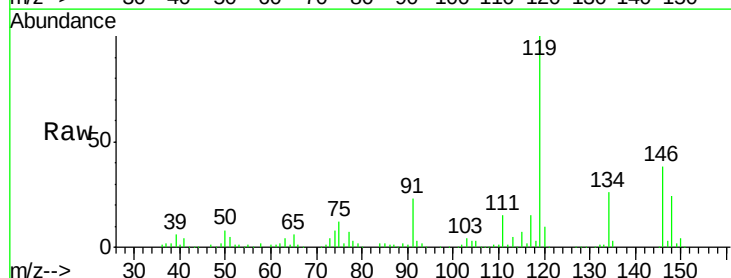
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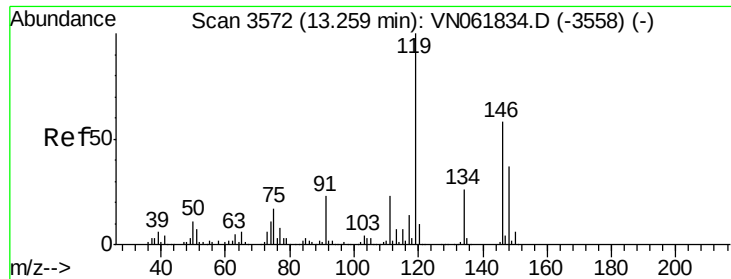
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 6/24/2020 10:59:12 AM



#86
 p-Isopropyltoluene
 Concen: 21.056 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062044.D
 Acq: 23 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.3	39.9
91	23.1	11.2	33.6





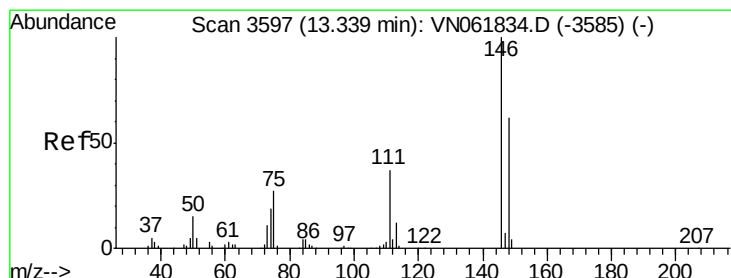
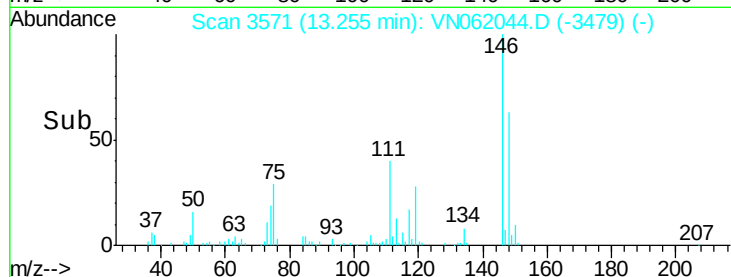
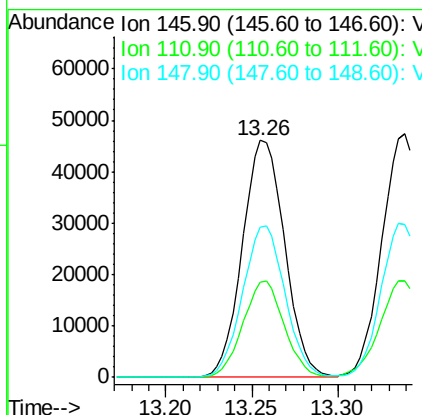
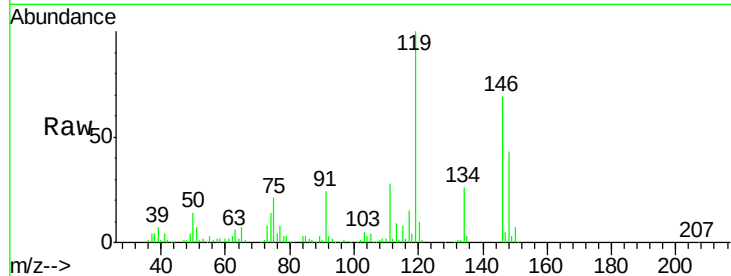
#87
 1,3-Dichlorobenzene
 Concen: 19.788 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN062044.D
 Acq: 23 Jun 2020 16:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0623WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.8
148	63.9	31.8	95.4

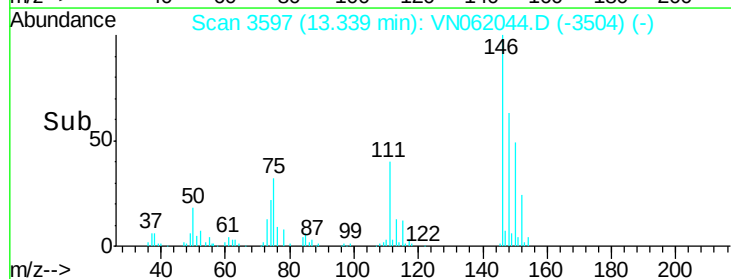
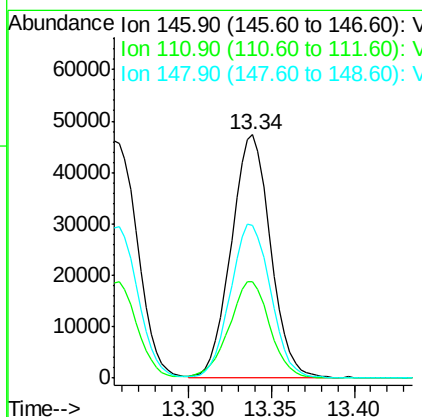
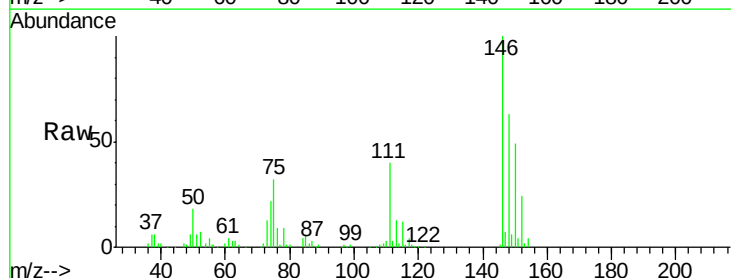
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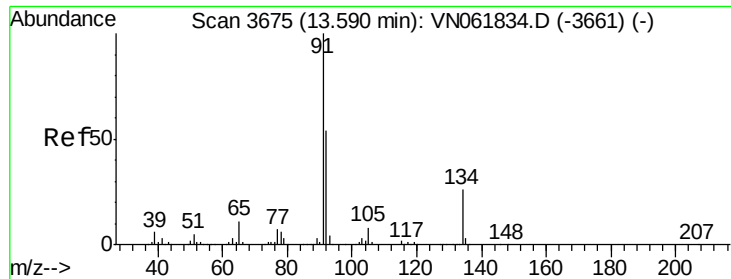
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#88
 1,4-Dichlorobenzene
 Concen: 19.210 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062044.D
 Acq: 23 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.3	57.8
148	65.0	31.6	94.7





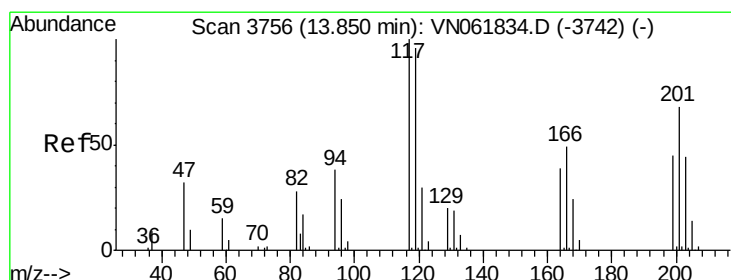
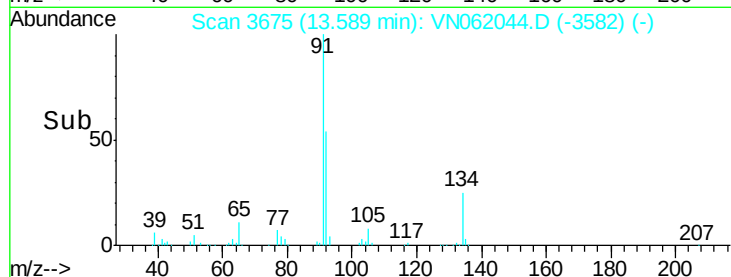
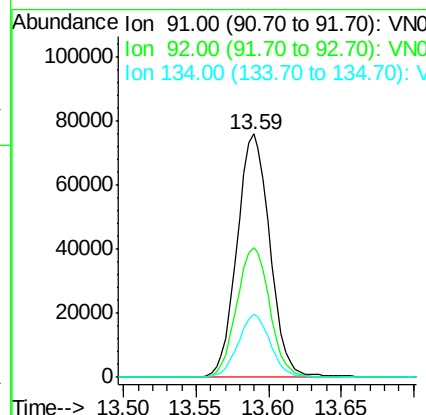
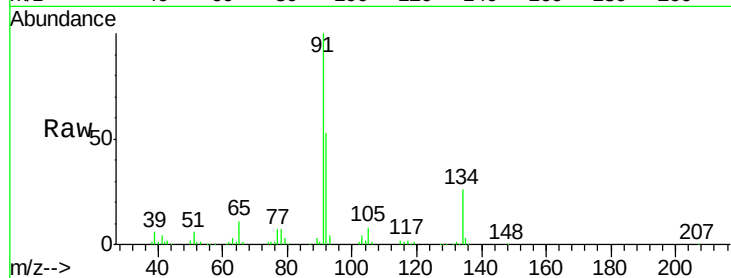
#89
n-Butylbenzene
Concen: 20.193 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.0	80.8
134	25.3	13.0	39.0

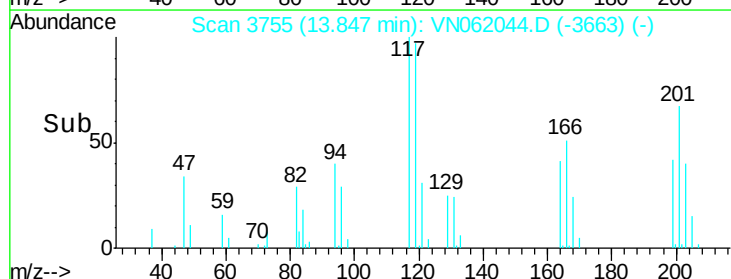
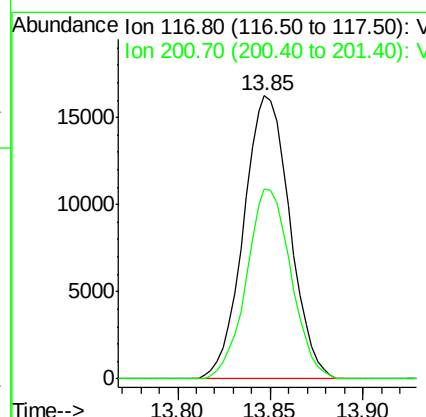
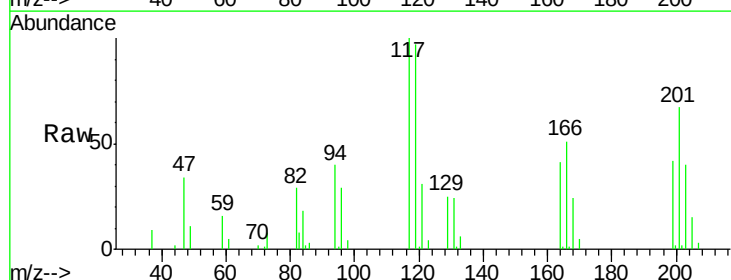
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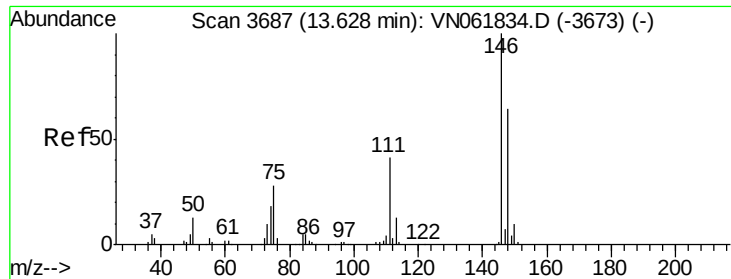
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#90
Hexachloroethane
Concen: 21.777 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.5	34.6	103.8





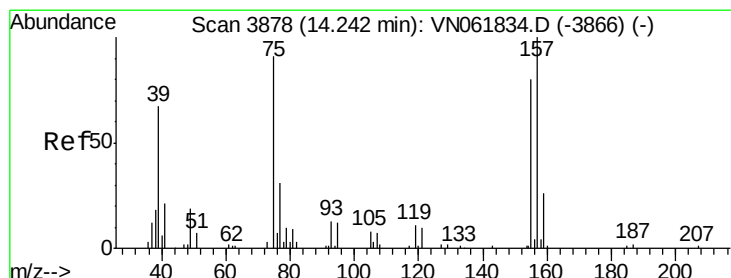
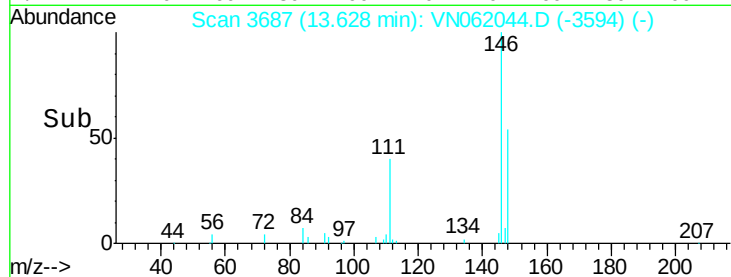
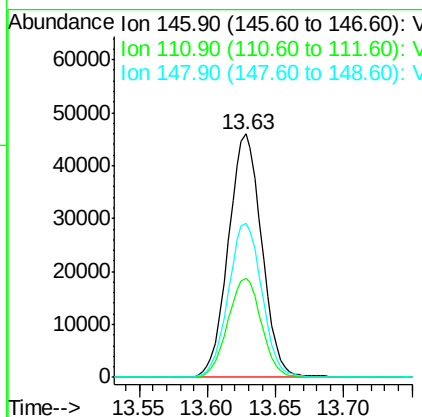
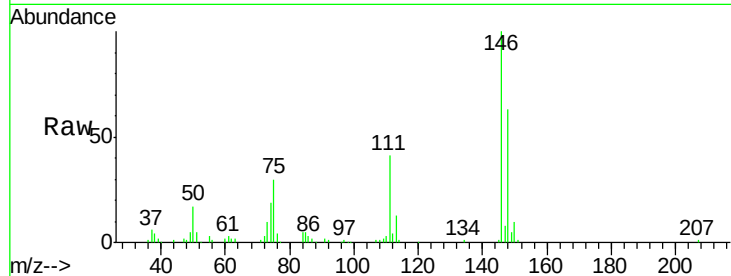
#91
 1,2-Dichlorobenzene
 Concen: 20.381 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062044.D
 Acq: 23 Jun 2020 16:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0623WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.4	61.2
148	63.5	31.8	95.4

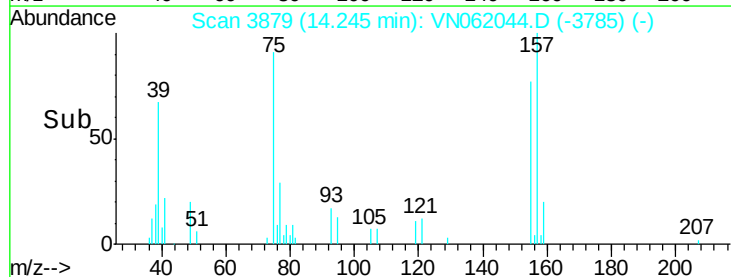
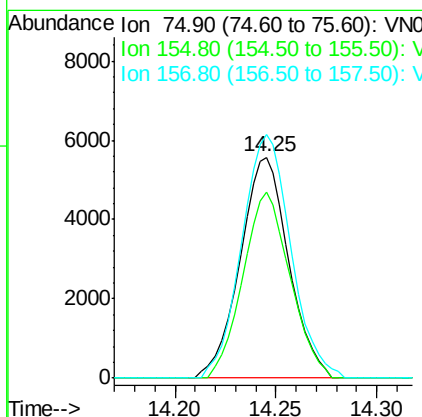
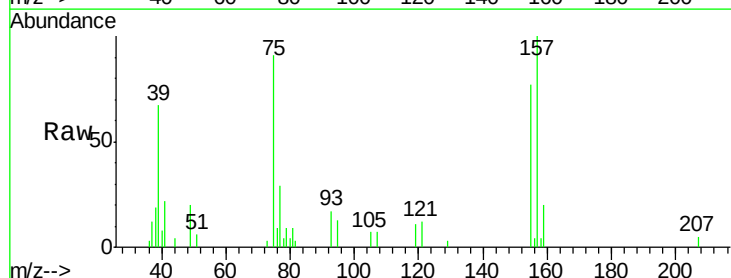
Manual Integrations
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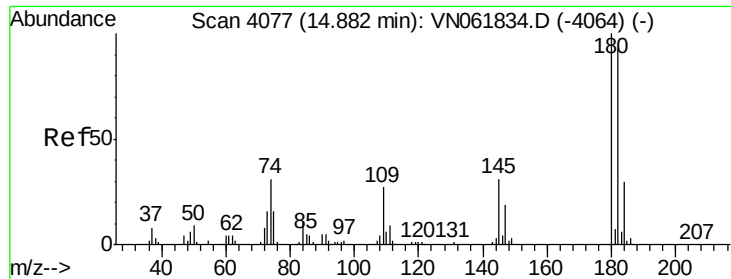
MMDadoda
 6/24/2020 10:59:12 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.481 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062044.D
 Acq: 23 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.9	44.4	133.2
157	112.1	57.0	171.2





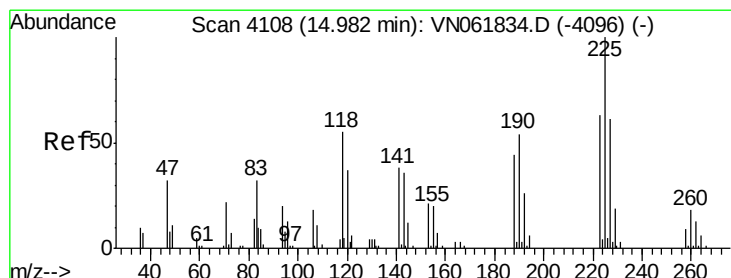
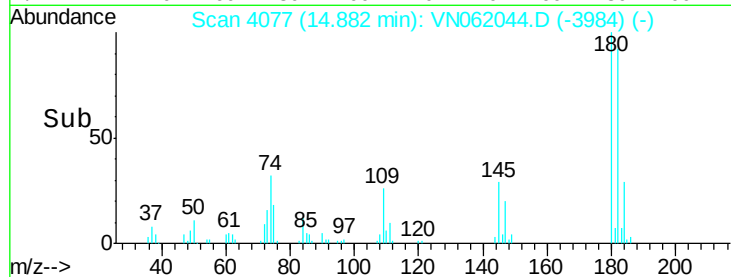
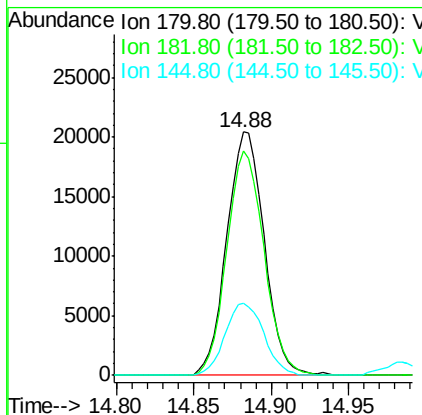
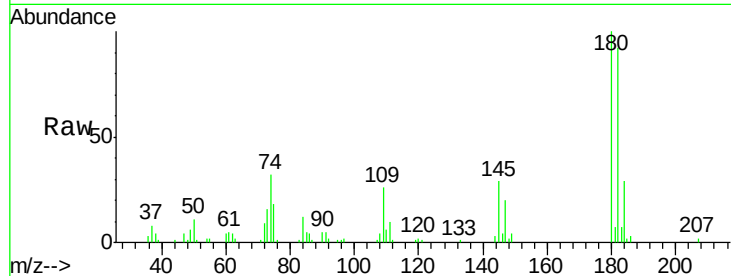
#93
 1,2,4-Trichlorobenzene
 Concen: 18.973 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062044.D
 Acq: 23 Jun 2020 16:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0623WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.5	47.0	141.2
145	30.7	15.8	47.3

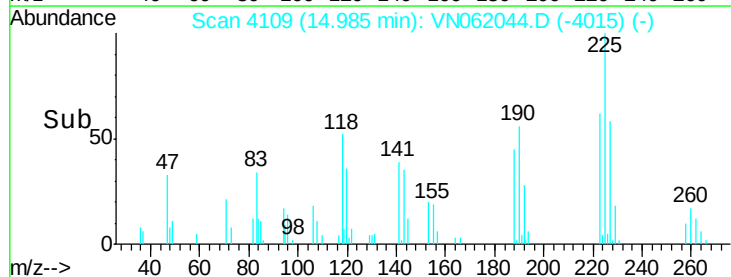
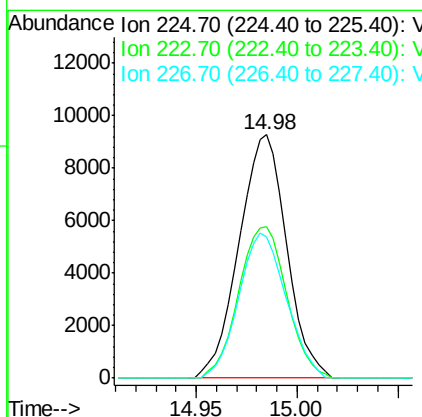
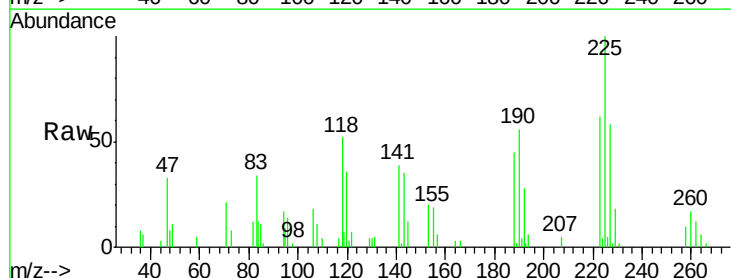
Manual Integrations
 APPROVED

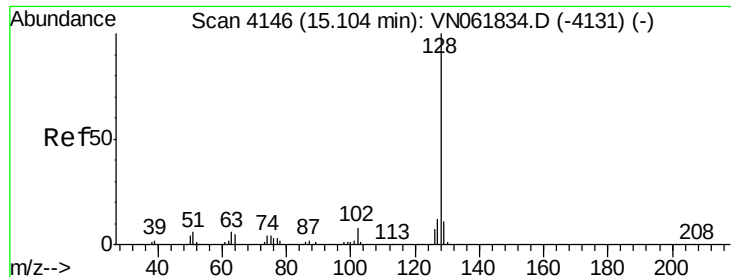
MMDadoda
 6/24/2020 10:59:12 AM



#94
 Hexachlorobutadiene
 Concen: 21.462 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062044.D
 Acq: 23 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.7	95.1
227	59.4	30.1	90.3





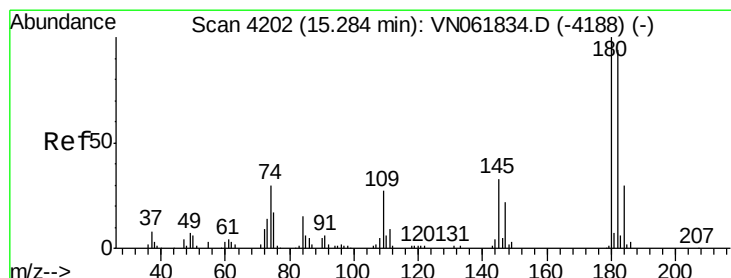
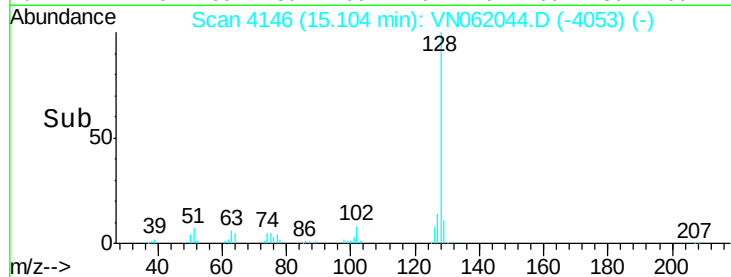
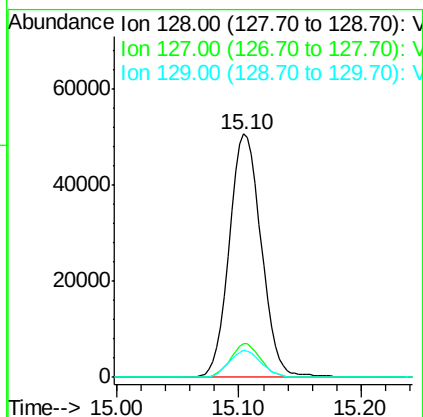
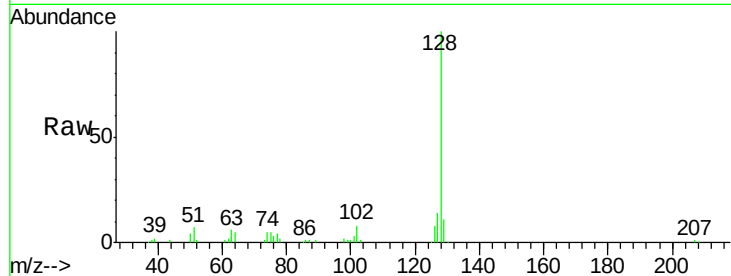
#95
Naphthalene
Concen: 17.697 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
VN0623WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:59:12 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.714 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062044.D
Acq: 23 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.6
145	33.2	16.5	49.5

