

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062233.D
 Acq On : 30 Jun 2020 12:26
 Operator : JC/MD
 Sample : VN0630WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/1/2020 10:16:40 AM

Quant Time: Jul 01 04:09:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	224200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	403177	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	377165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	166587	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	159136	50.58	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.16%		
35) Dibromofluoromethane	7.54	113	124084	47.97	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.94%		
50) Toluene-d8	10.06	98	495186	47.89	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.78%		
62) 4-Bromofluorobenzene	12.37	95	161781	46.31	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.62%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	45175	17.826	ug/l	99
3) Chloromethane	2.03	50	57145	18.306	ug/l	97
4) Vinyl Chloride	2.16	62	68028	17.046	ug/l	99
5) Bromomethane	2.53	94	49716	19.275	ug/l	98
6) Chloroethane	2.67	64	46750	17.148	ug/l	97
7) Trichlorofluoromethane	2.98	101	84628	17.209	ug/l	100
8) Diethyl Ether	3.37	74	32916	19.169	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	48423	18.804	ug/l	97
10) Methyl Iodide	3.91	142	52843	18.221	ug/l	99
11) Tert butyl alcohol	4.73	59	40146	88.871	ug/l	99
12) 1,1-Dichloroethene	3.70	96	47459	18.435	ug/l	97
13) Acrolein	3.56	56	44452	100.507	ug/l	100
14) Allyl chloride	4.27	41	68062	19.419	ug/l	100
15) Acrylonitrile	4.93	53	114726	93.198	ug/l	100
16) Acetone	3.77	43	98693	97.463	ug/l	99
17) Carbon Disulfide	4.01	76	131989	17.932	ug/l	99
18) Methyl Acetate	4.27	43	50145	20.049	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	156720	19.051	ug/l	97
20) Methylene Chloride	4.50	84	59933	20.623	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	52312	17.837	ug/l	96
22) Diisopropyl ether	5.90	45	157689	19.759	ug/l	96
23) Vinyl Acetate	5.84	43	625897	96.062	ug/l	98
24) 1,1-Dichloroethane	5.80	63	98823	19.230	ug/l	99
25) 2-Butanone	6.78	43	143371	93.228	ug/l	97
26) 2,2-Dichloropropane	6.78	77	77675	18.138	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	59422	18.006	ug/l	98
28) Bromochloromethane	7.15	49	40287	18.068	ug/l	97
29) Tetrahydrofuran	7.17	42	96840	96.131	ug/l	97
30) Chloroform	7.33	83	100377	19.198	ug/l	99
31) Cyclohexane	7.61	56	80809	18.590	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	81667	18.521	ug/l	97
36) 1,1-Dichloropropene	7.75	75	72547	17.902	ug/l	98
37) Ethyl Acetate	6.88	43	60933	18.158	ug/l	98
38) Carbon Tetrachloride	7.73	117	68106	17.826	ug/l	92

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MMDadoda
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Quant Time: Jul 01 04:09:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	80793	18.195	ug/l	99
40) Benzene	8.00	78	225947	18.292	ug/l	100
41) Methacrylonitrile	7.12	41	25432	16.347	ug/l	92
42) 1,2-Dichloroethane	8.08	62	79900	19.146	ug/l	99
43) Isopropyl Acetate	8.12	43	101430	18.542	ug/l #	90
44) Trichloroethene	8.80	130	53503	17.171	ug/l	100
45) 1,2-Dichloropropane	9.08	63	58621	19.237	ug/l	97
46) Dibromomethane	9.17	93	37979	18.382	ug/l	97
47) Bromodichloromethane	9.37	83	78176	18.740	ug/l	99
48) Methyl methacrylate	9.17	41	45146	18.406	ug/l	99
49) 1,4-Dioxane	9.17	88	17351	318.994	ug/l #	95
51) 4-Methyl-2-Pentanone	9.95	43	302789	94.737	ug/l	99
52) Toluene	10.12	92	140918	18.698	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	82615	18.000	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	92365	18.903	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	56902	19.207	ug/l	97
56) Ethyl methacrylate	10.40	69	72508	18.340	ug/l	97
57) 1,3-Dichloropropane	10.68	76	96153	18.856	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	134447	90.830	ug/l	99
59) 2-Hexanone	10.72	43	212957	92.273	ug/l	98
60) Dibromochloromethane	10.87	129	56395	17.980	ug/l	99
61) 1,2-Dibromoethane	10.98	107	53506	17.577	ug/l	97
64) Tetrachloroethene	10.60	164	41889	16.259	ug/l	98
65) Chlorobenzene	11.40	112	148268	17.901	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	52802	18.436	ug/l	98
67) Ethyl Benzene	11.48	91	257552	18.412	ug/l	98
68) m/p-Xylenes	11.59	106	198026	36.601	ug/l	99
69) o-Xylene	11.92	106	90929	17.812	ug/l	95
70) Styrene	11.94	104	153099	17.983	ug/l	99
71) Bromoform	12.10	173	34313	16.850	ug/l #	99
73) Isopropylbenzene	12.22	105	243238	18.863	ug/l	100
74) N-amyl acetate	12.04	43	80997	19.265	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	82720	19.277	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	71169m	18.148	ug/l	
77) Bromobenzene	12.50	156	57558	17.979	ug/l	95
78) n-propylbenzene	12.56	91	285181	19.334	ug/l	99
79) 2-Chlorotoluene	12.65	91	168028	18.843	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	202068	19.330	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	23435	17.452	ug/l	91
82) 4-Chlorotoluene	12.75	91	170251	18.463	ug/l	100
83) tert-Butylbenzene	12.97	119	165946	18.549	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	200146	19.170	ug/l	98
85) sec-Butylbenzene	13.15	105	233079	19.717	ug/l	100
86) p-Isopropyltoluene	13.26	119	202310	19.534	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	102449	18.224	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	101918	17.587	ug/l	98
89) n-Butylbenzene	13.59	91	164894	19.150	ug/l	99
90) Hexachloroethane	13.85	117	39509	19.443	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	99191	18.195	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	12795	18.613	ug/l	93

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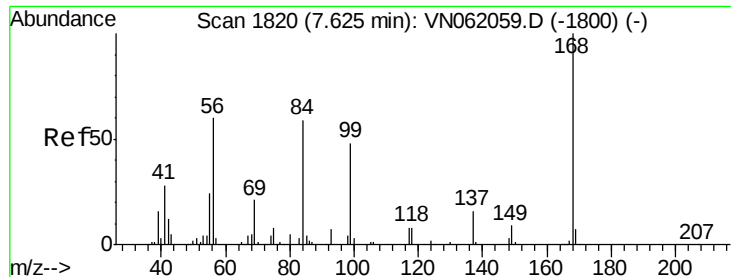
Manual Integrations
APPROVED

MMDadoda
7/1/2020 10:16:40 AM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	41229	17.312	ug/l	98
94) Hexachlorobutadiene	14.98	225	20780	20.090	ug/l	99
95) Naphthalene	15.10	128	109412	16.673	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	42469	17.440	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Instrument :

MSVOA_N

ClientSampled :

VN0630WBS01

Tot Ion:168 Resp: 224200

Ion Ratio Lower Upper

168 100

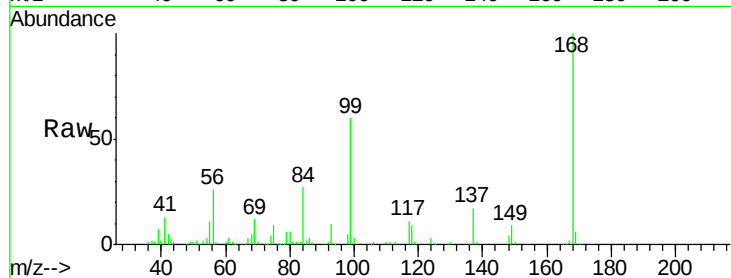
99 59.5 45.8 68.8

Manual Integrations

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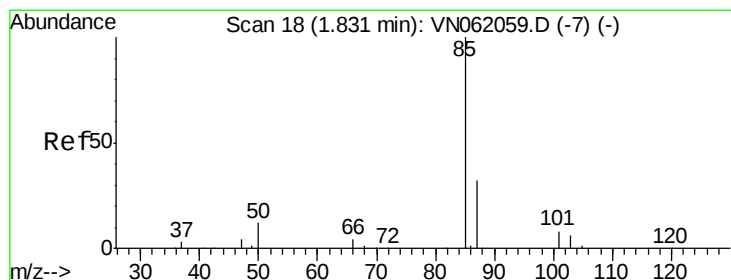
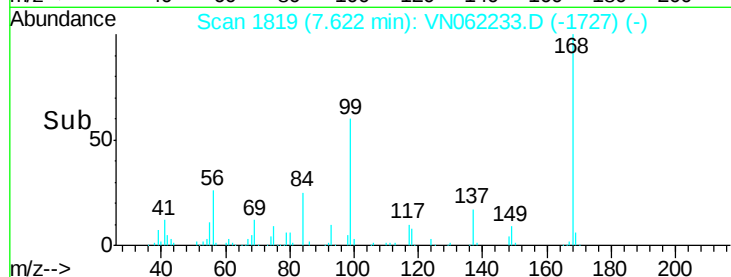
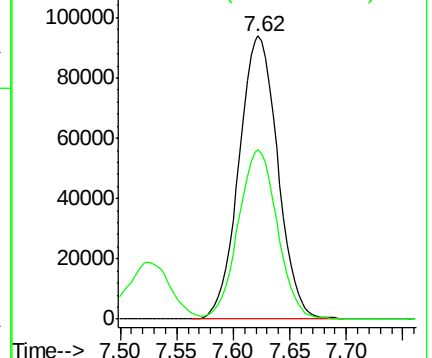
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 17.826 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062233.D

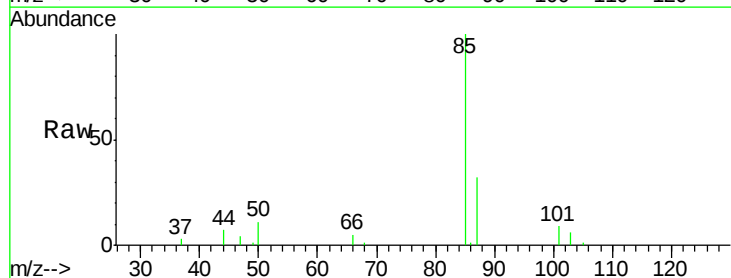
Acq: 30 Jun 2020 12:26

Tgt Ion: 85 Resp: 45175

Ion Ratio Lower Upper

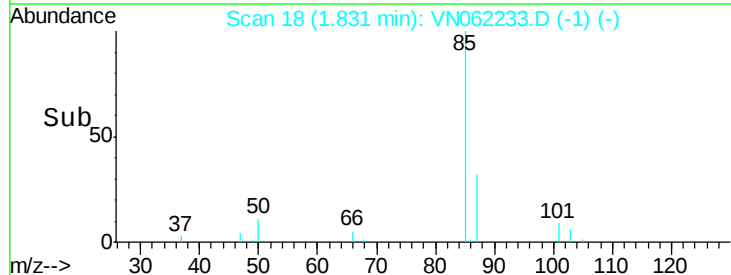
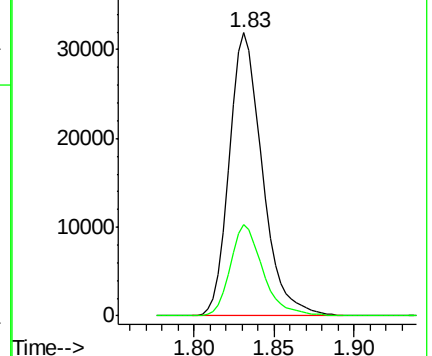
85 100

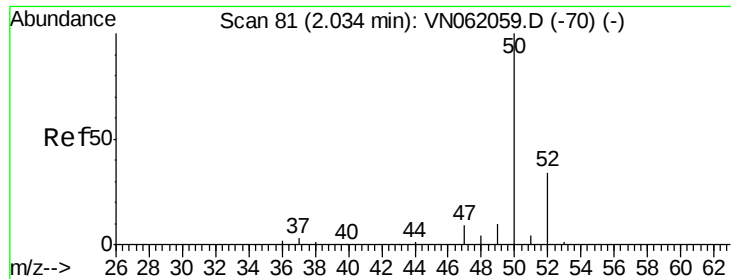
87 32.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 18.306 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Instrument :

MSVOA_N

ClientSampled :

VN0630WBS01

Tot Ion: 50 Resp: 57145

Ion Ratio Lower Upper

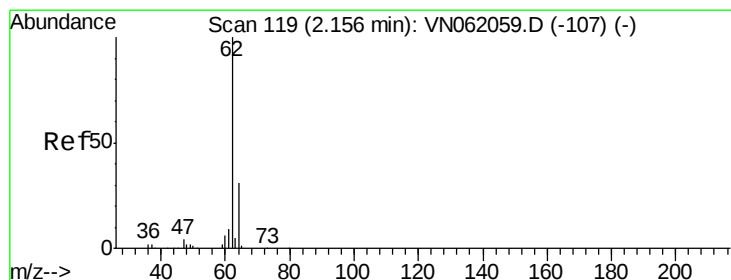
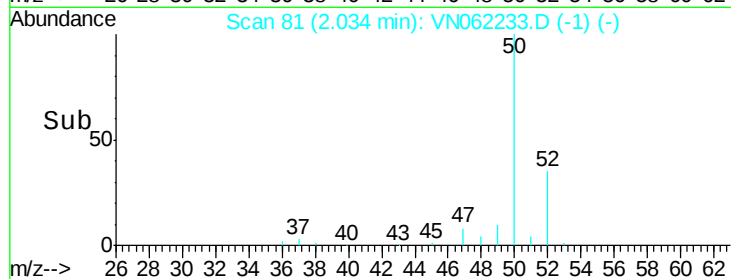
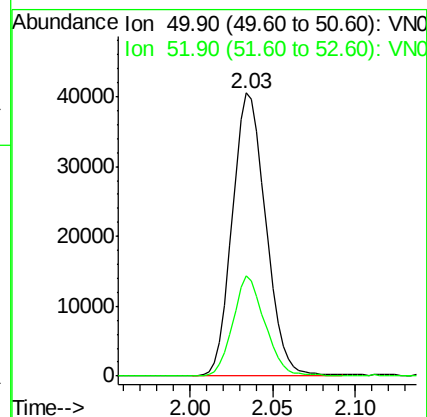
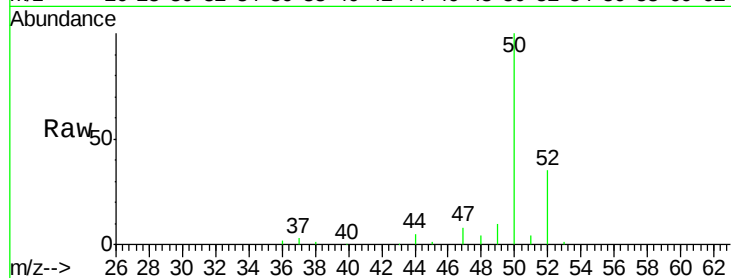
50 100

52 35.2 27.0 40.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.046 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062233.D

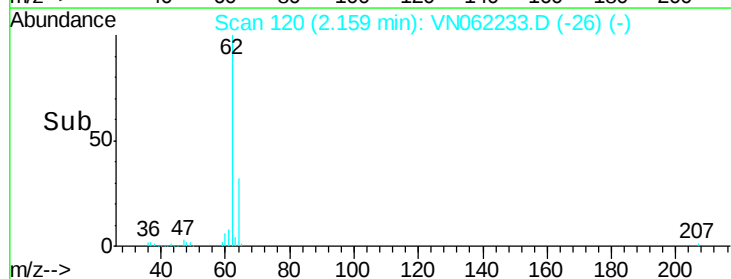
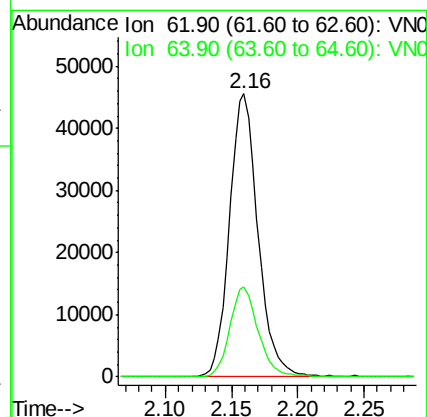
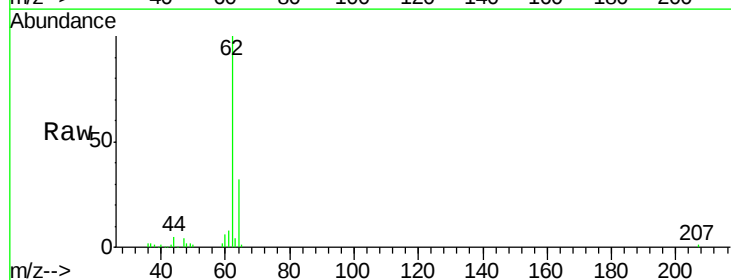
Acq: 30 Jun 2020 12:26

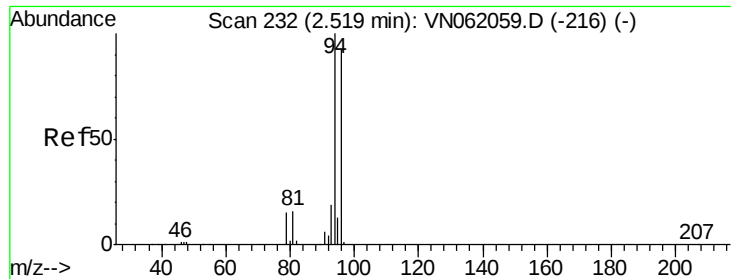
Tgt Ion: 62 Resp: 68028

Ion Ratio Lower Upper

62 100

64 31.7 25.1 37.7





#5

Bromomethane

Concen: 19.275 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.01 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Instrument :

MSVOA_N

ClientSampled :

VN0630WBS01

Tot Ion: 94 Resp: 49716

Ion Ratio Lower Upper

94 100

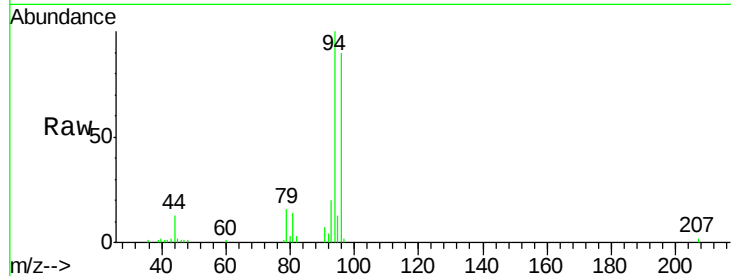
96 90.3 73.4 110.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

15000

10000

5000

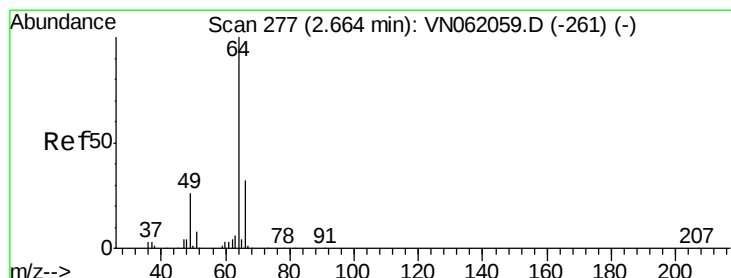
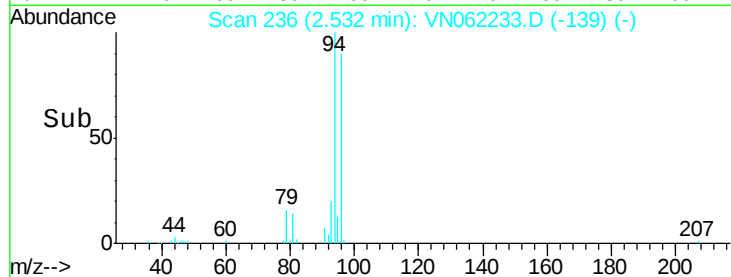
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Time-->

2.50

2.53

2.60



#6

Chloroethane

Concen: 17.148 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.01 min

Lab File: VN062233.D

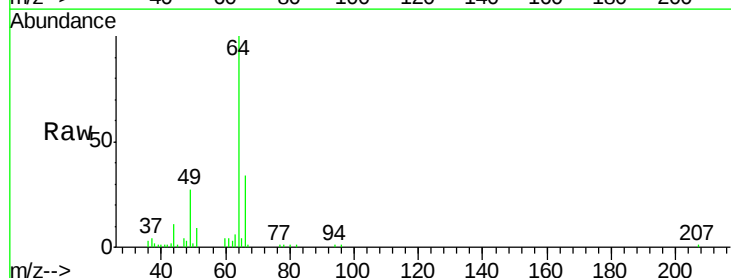
Acq: 30 Jun 2020 12:26

Tgt Ion: 64 Resp: 46750

Ion Ratio Lower Upper

64 100

66 33.8 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

25000

20000

15000

10000

5000

0

Time-->

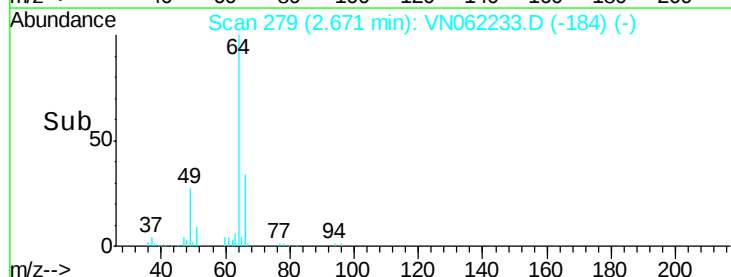
2.60

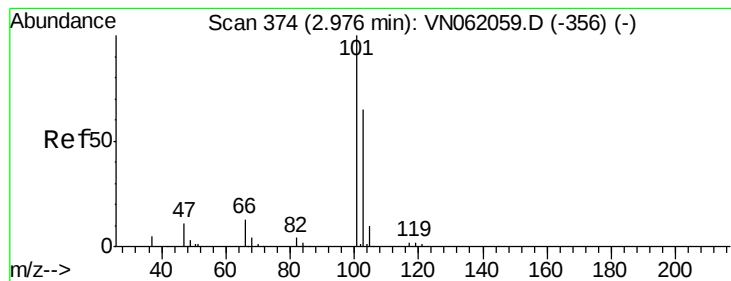
2.65

2.67

2.70

2.75





#7

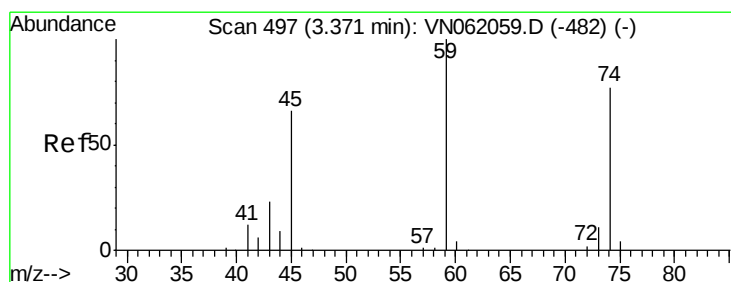
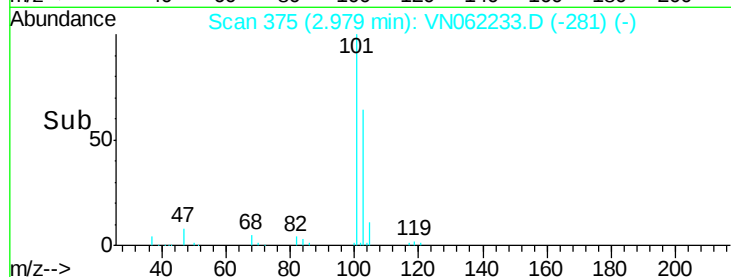
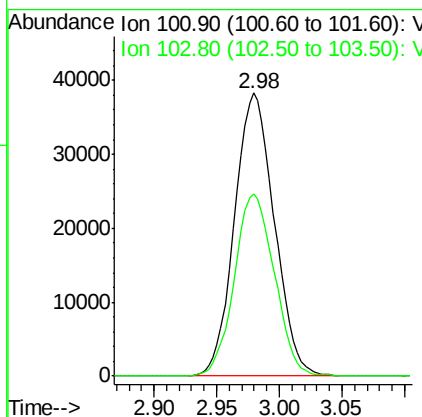
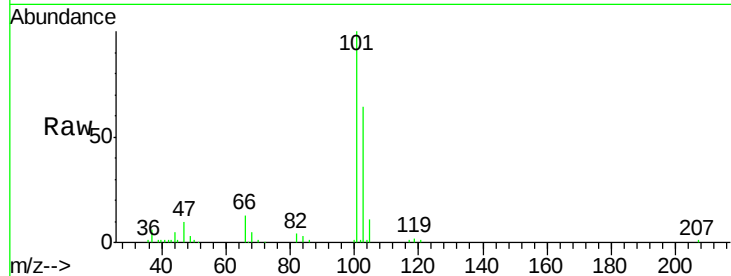
Trichlorofluoromethane
 Concen: 17.209 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Instrument :
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 ClientSampled :
 VN0630WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.8	77.6

Manual Integrations
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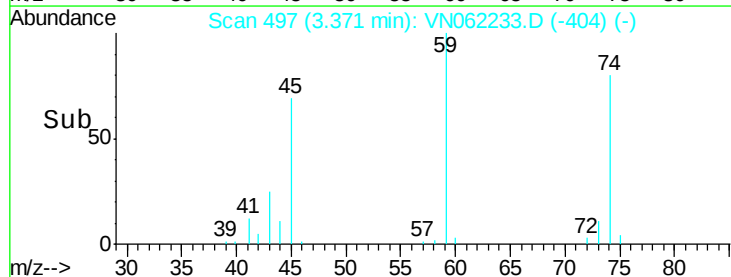
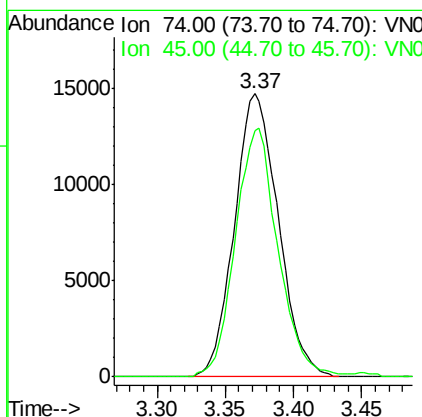
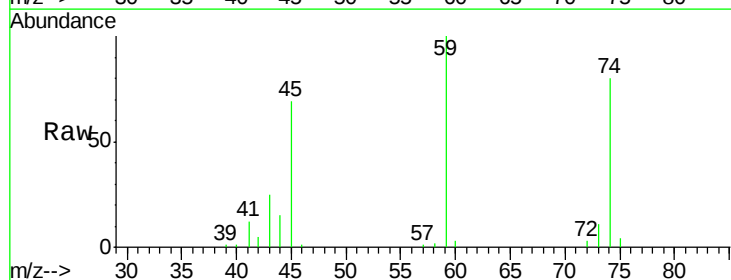
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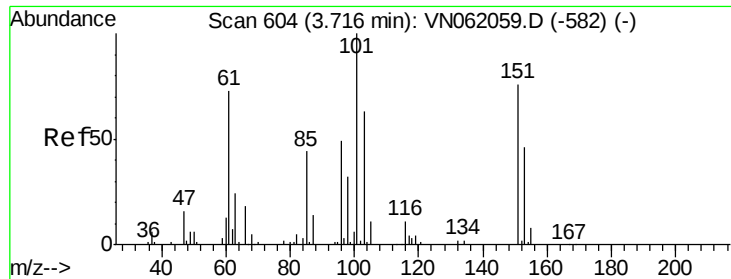


#8

Diethyl Ether
 Concen: 19.169 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.5	42.5	127.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.804 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Instrument :

MSVOA_N

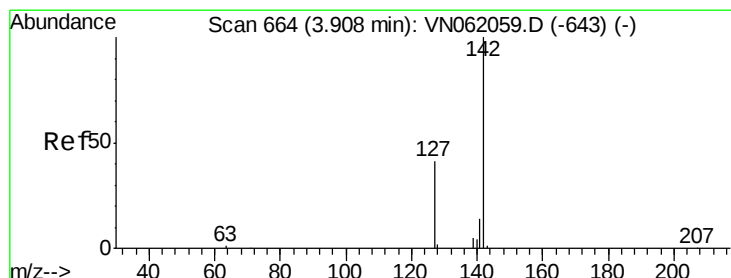
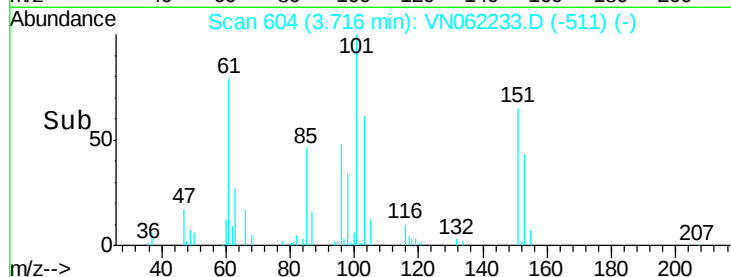
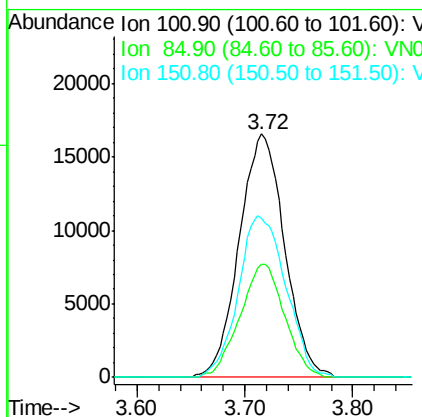
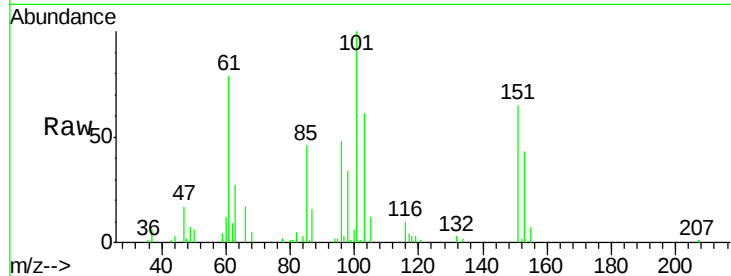
ClientSampled :

VN0630WBS01

Tot Ion:	101	Resp:	48423
Ion Ratio	Lower	Upper	
101	100		
85	45.6	34.5	51.7
151	69.6	57.8	86.8

Manual Integrations
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7/1/2020 10:16:40 AM



#10

Methyl Iodide

Concen: 18.221 ug/l

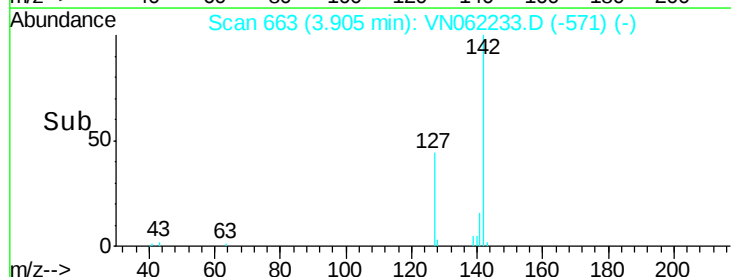
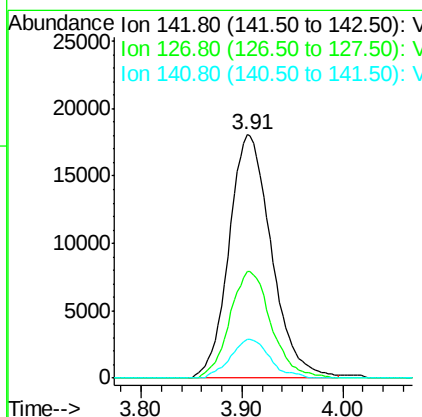
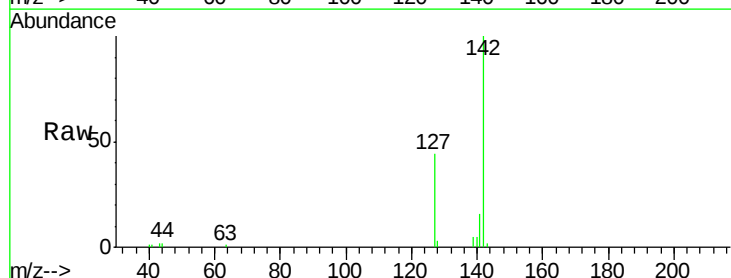
RT: 3.91 min Scan# 663

Delta R.T. -0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Tgt Ion:	142	Resp:	52843
Ion Ratio	Lower	Upper	
142	100		
127	42.7	33.6	50.4
141	14.8	11.3	16.9





#11

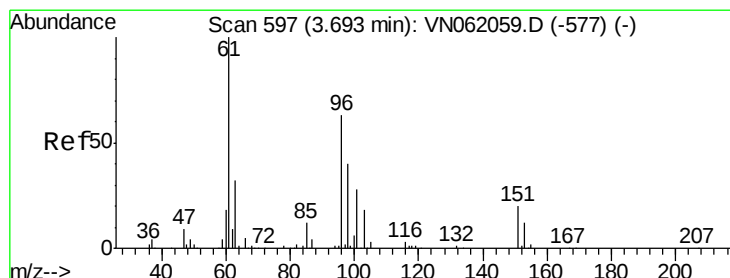
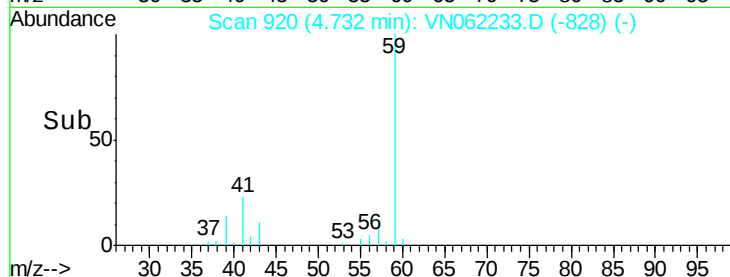
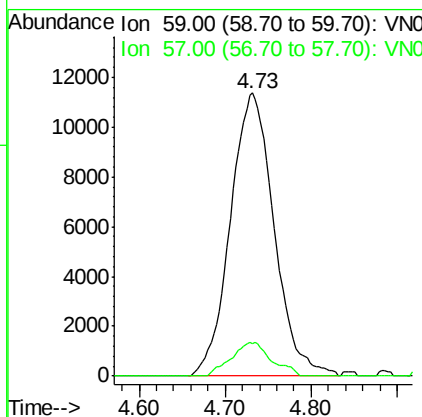
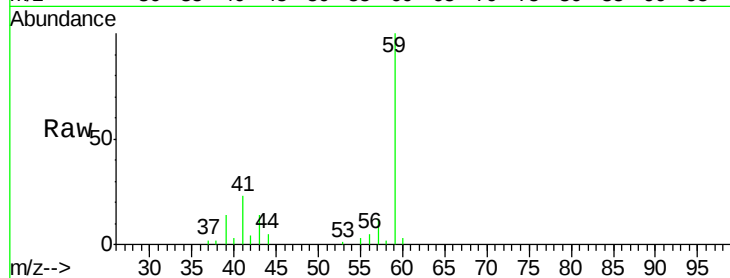
Tert butyl alcohol
 Concen: 88.871 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	40146		
57	57	11.0		8.3	12.5

Manual Integrations
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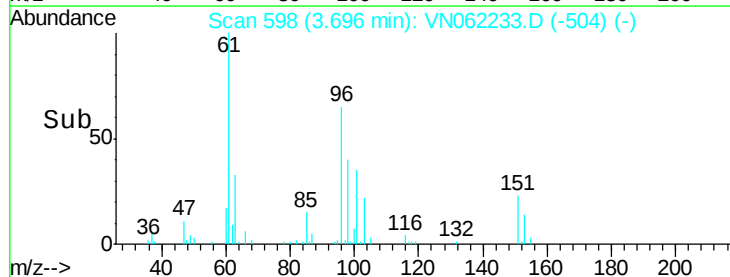
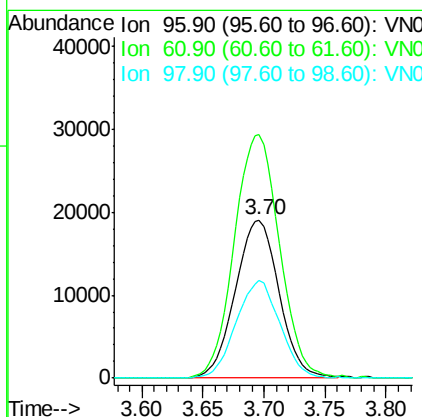
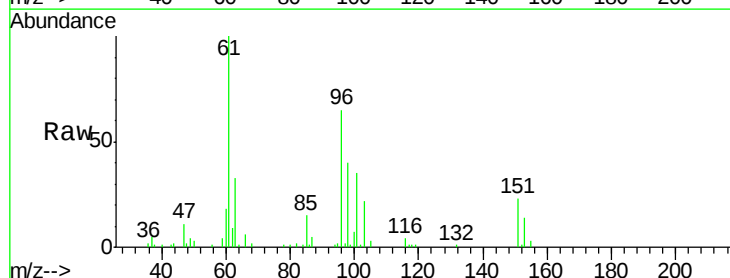
MMDadoda
 7/1/2020 10:16:40 AM

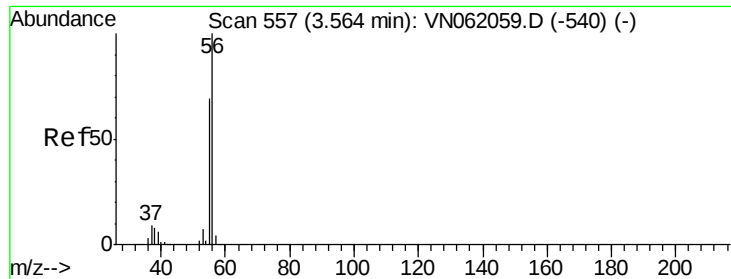


#12

1,1-Dichloroethene
 Concen: 18.435 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	47459		
61	61	153.9		126.7	190.1
98	98	61.6		51.0	76.4





#13

Acrolein

Concen: 100.507 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0630WBS01

Tot Ion: 56 Resp: 44452

Ion Ratio Lower Upper

56 100

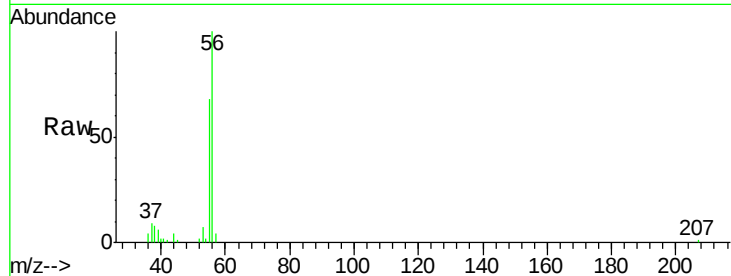
55 69.8 55.5 83.3

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN062233.D (-464) (-)

Ion 55.00 (54.70 to 55.70): VN062233.D (-464) (-)

20000

15000

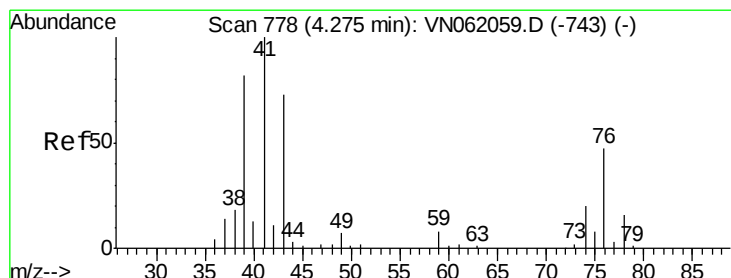
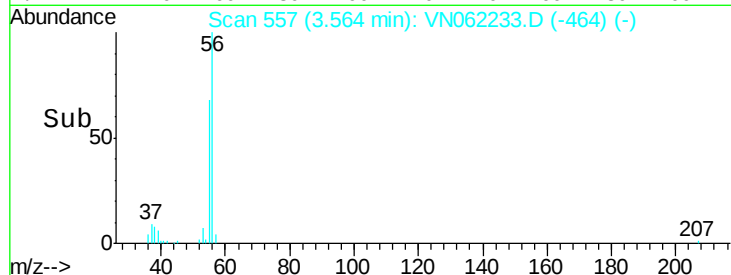
10000

5000

0

3.50 3.55 3.60 3.65

Time-->



#14

Allyl chloride

Concen: 19.419 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

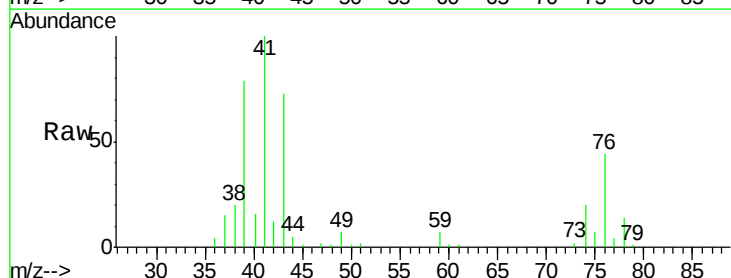
Tgt Ion: 41 Resp: 68062

Ion Ratio Lower Upper

41 100

39 75.4 60.0 90.0

76 42.6 34.1 51.1



Abundance Ion 41.00 (40.70 to 41.70): VN062233.D (-685) (-)

Ion 39.00 (38.70 to 39.70): VN062233.D (-685) (-)

Ion 75.90 (75.60 to 76.60): VN062233.D (-685) (-)

30000

25000

20000

15000

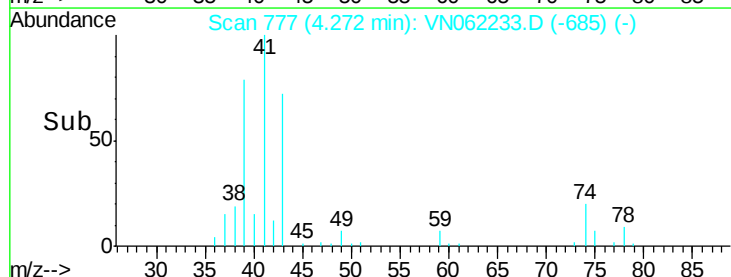
10000

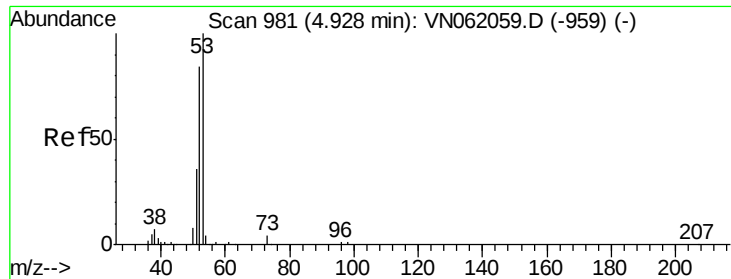
5000

0

4.10 4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 93.198 ug/l

RT: 4.93 min Scan# 981

Delta R.T. 0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Instrument :

MSVOA_N

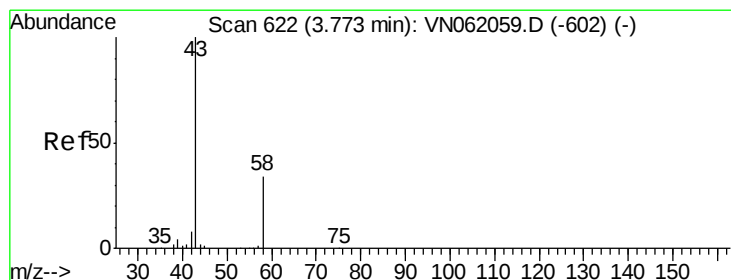
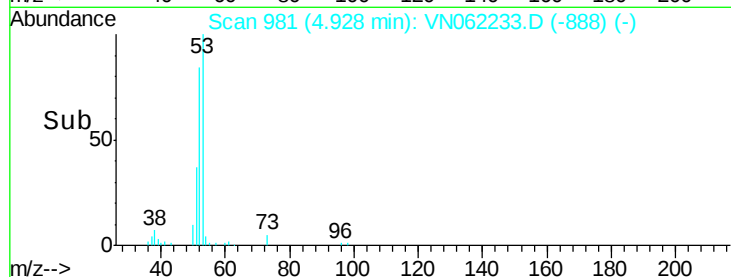
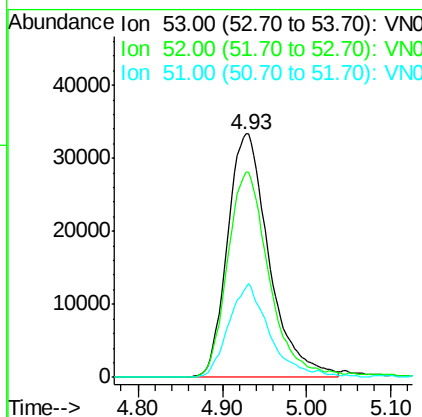
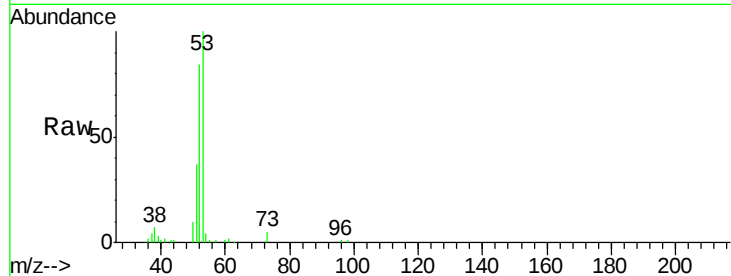
ClientSampleId :

VN0630WBS01

Tot Ion:	53	Resp:	114726
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.4
51	36.8	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 97.463 ug/l

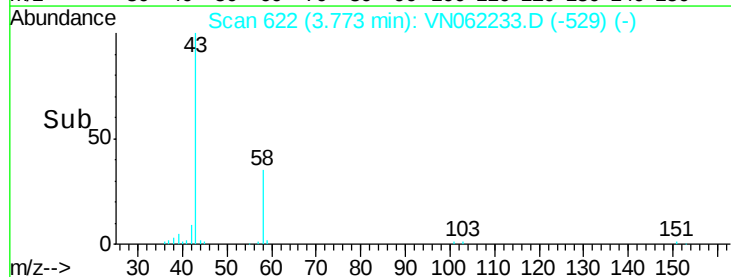
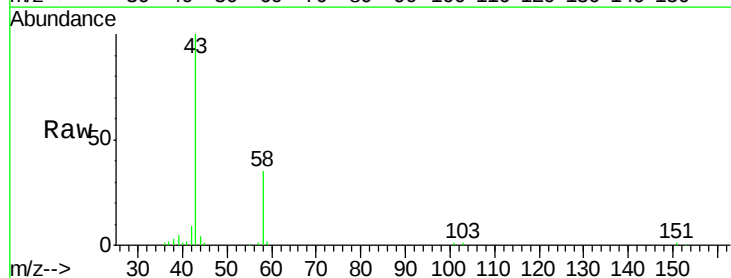
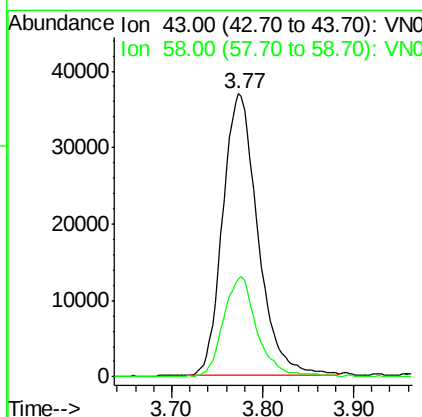
RT: 3.77 min Scan# 622

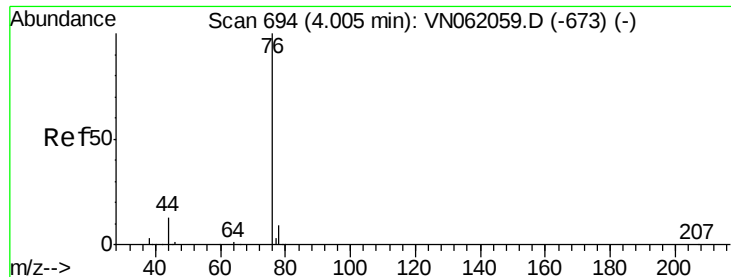
Delta R.T. 0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Tgt Ion:	43	Resp:	98693
Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.5	41.3





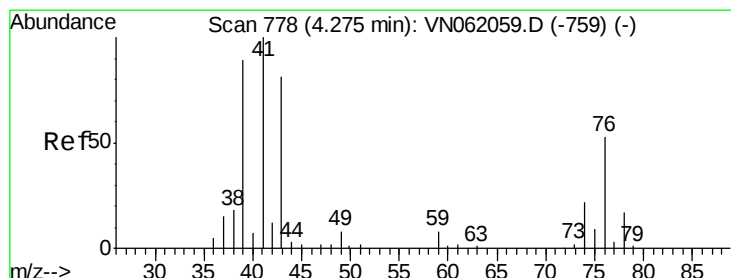
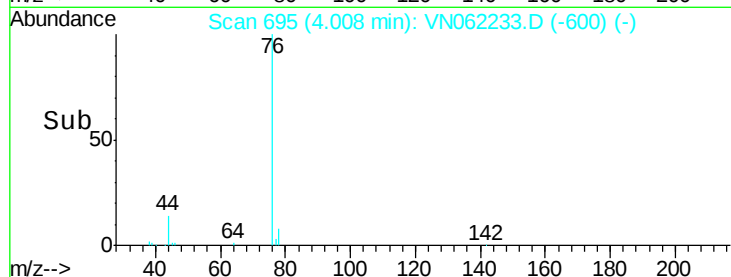
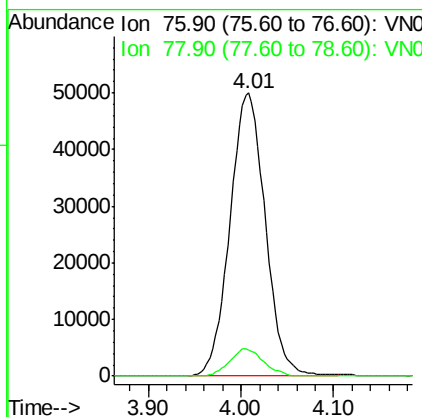
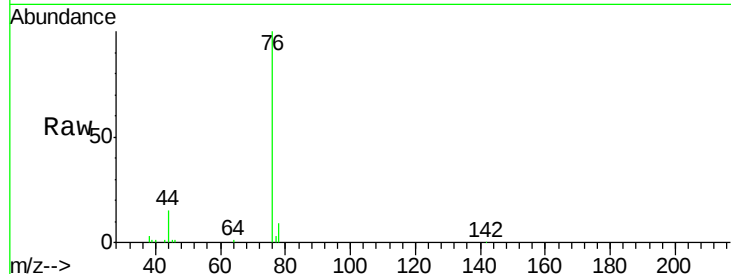
#17
Carbon Disulfide
Concen: 17.932 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0630WBS01

Tot Ion: 76 Resp: 131989
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

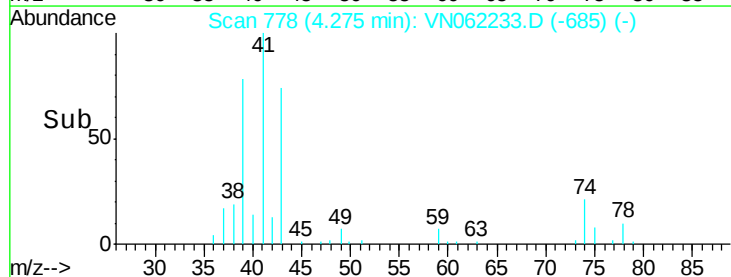
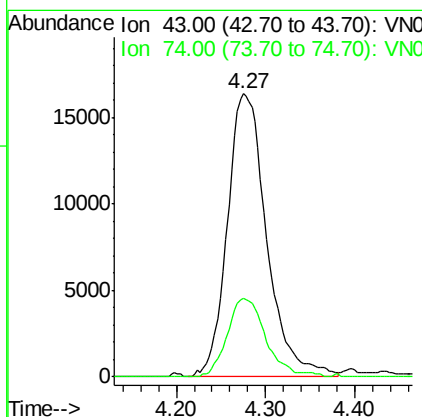
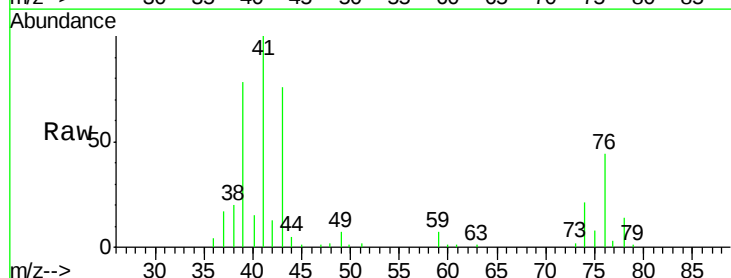
Manual Integrations
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MMDadoda
7/1/2020 10:16:40 AM



#18
Methyl Acetate
Concen: 20.049 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Tgt Ion: 43 Resp: 50145
Ion Ratio Lower Upper
43 100
74 26.6 22.9 34.3





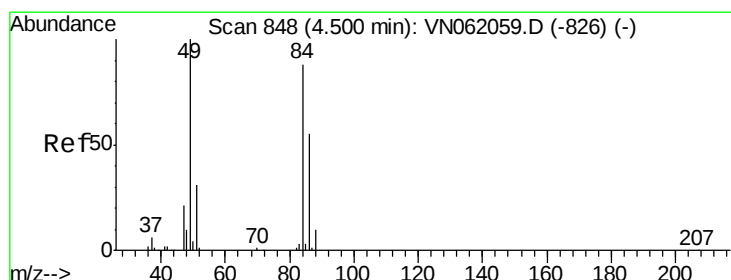
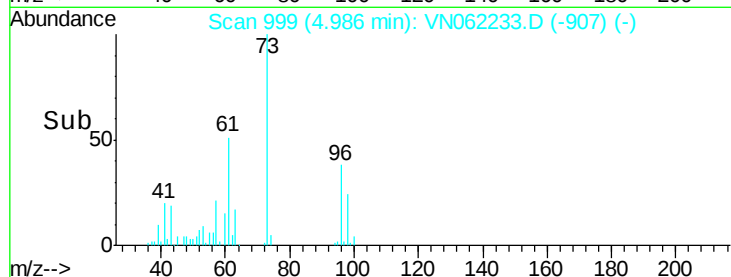
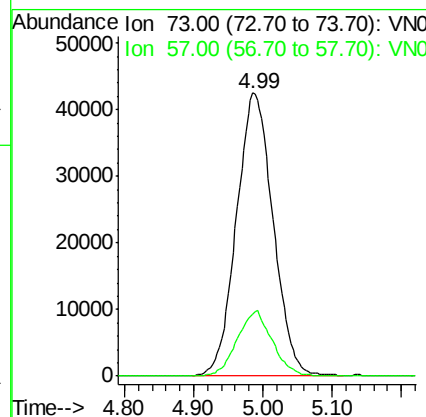
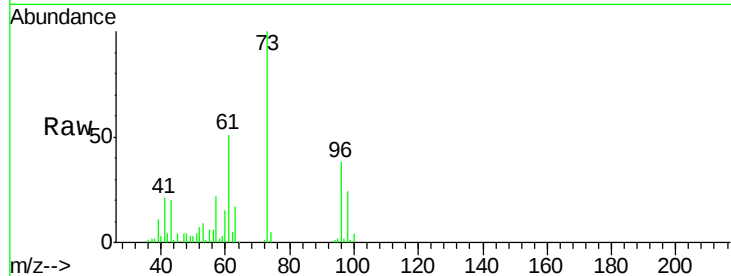
#19
Methvl tert-butvl Ether
Concen: 19.051 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0630WBS01

Tot Ion: 73 Resp: 156720
Ion Ratio Lower Upper
73 100
57 22.0 16.6 24.8

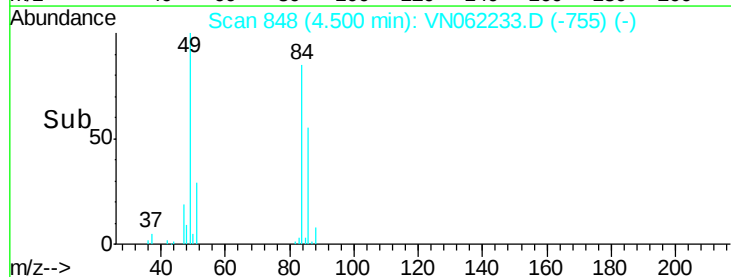
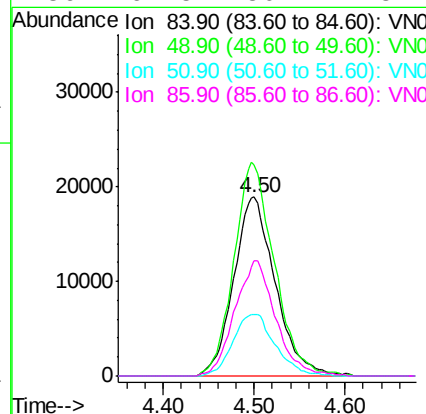
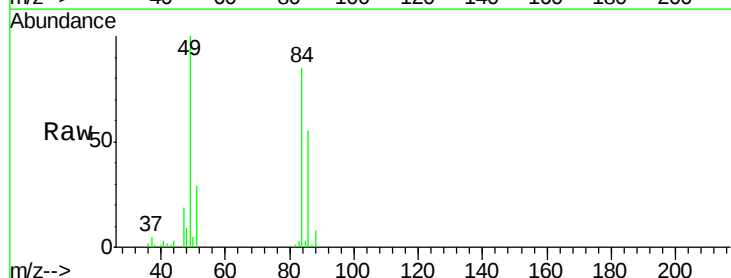
Manual Integrations
APPROVED

MMDadoda
7/1/2020 10:16:40 AM



#20
Methylene Chloride
Concen: 20.623 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Tgt Ion: 84 Resp: 59933
Ion Ratio Lower Upper
84 100
49 117.9 90.6 136.0
51 34.3 27.8 41.8
86 64.5 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 17.837 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Instrument :

MSVOA_N

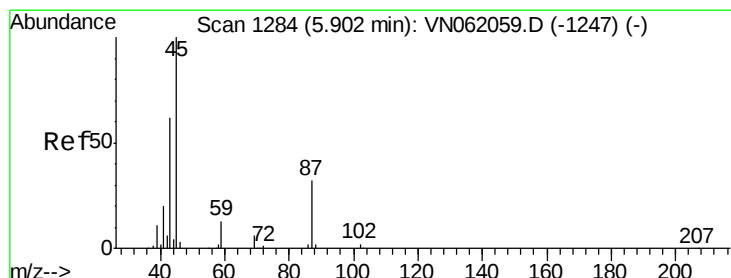
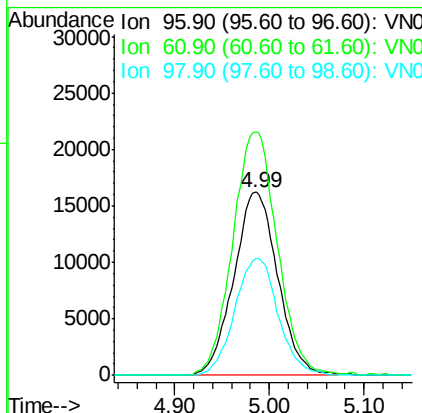
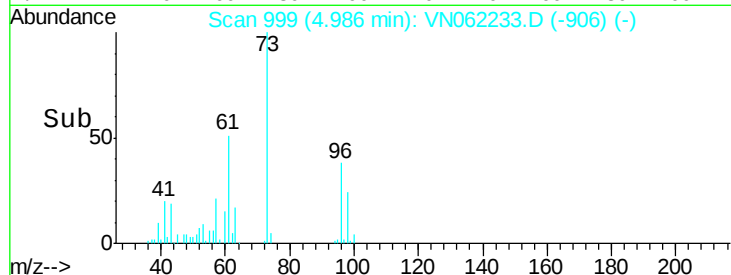
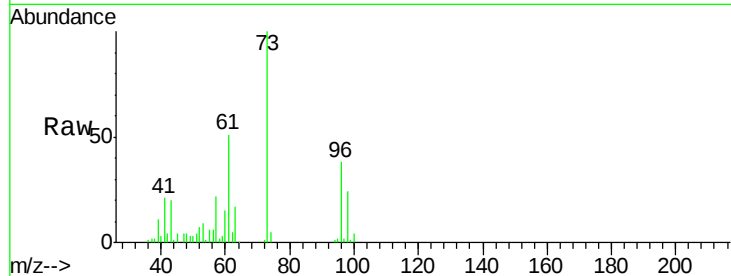
ClientSampleId :

VN0630WBS01

Tot Ion:	96	Resp:	52312
Ion	Ratio	Lower	Upper
96	100		
61	132.8	101.4	152.2
98	63.7	49.3	73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.759 ug/l

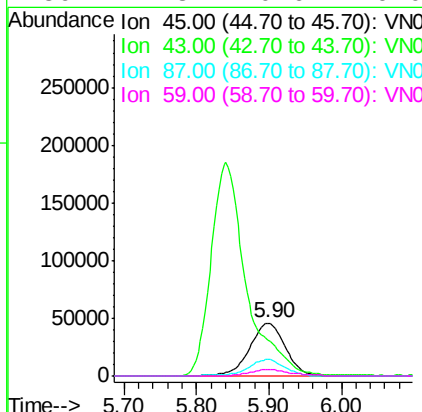
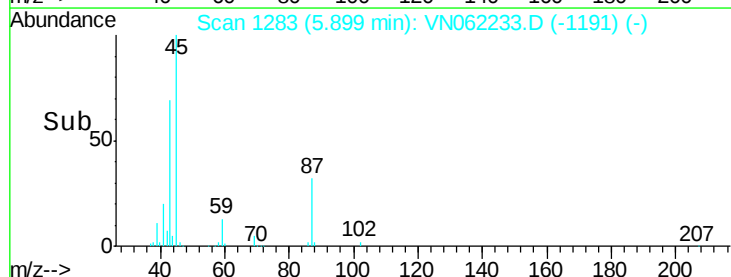
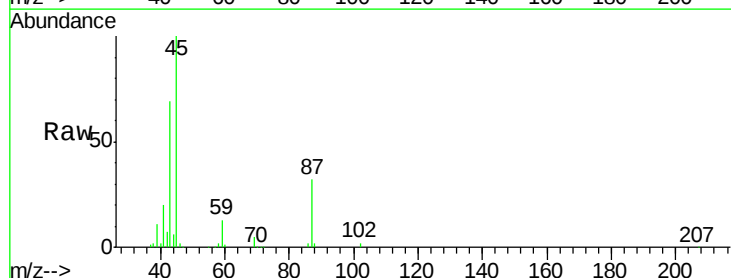
RT: 5.90 min Scan# 1283

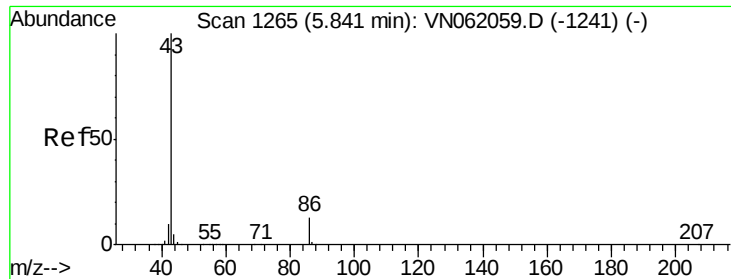
Delta R.T. -0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Tgt Ion:	45	Resp:	157689
Ion	Ratio	Lower	Upper
45	100		
43	66.4	49.7	74.5
87	32.1	25.9	38.9
59	12.3	10.6	16.0





#23

Vinyl Acetate

Concen: 96.062 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Instrument :

MSVOA_N

ClientSampled :

VN0630WBS01

Tot Ion: 43 Resp: 625897

Ion Ratio Lower Upper

43 100

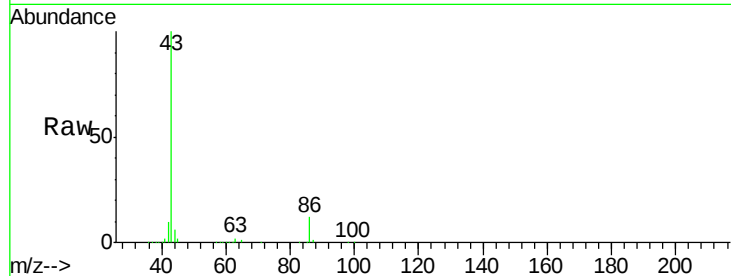
86 11.7 10.1 15.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

200000

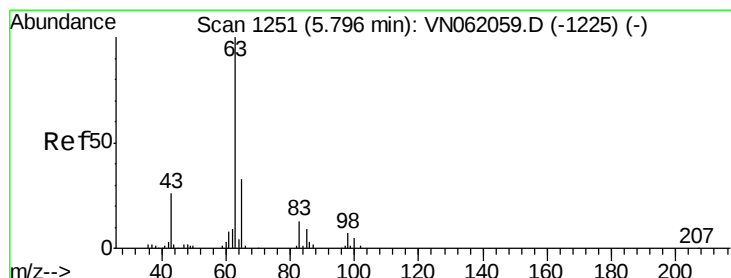
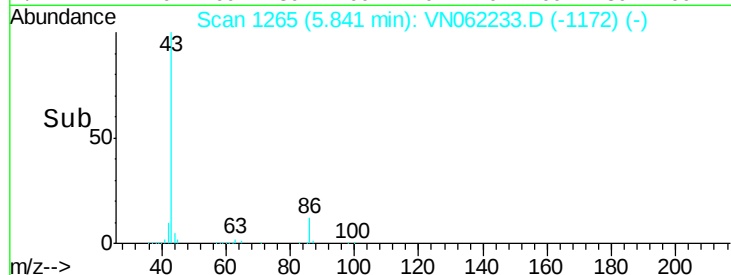
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.230 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

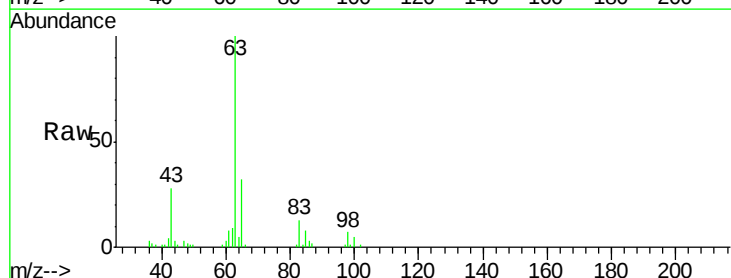
Tgt Ion: 63 Resp: 98823

Ion Ratio Lower Upper

63 100

98 6.6 3.6 10.9

100 4.6 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.80

40000

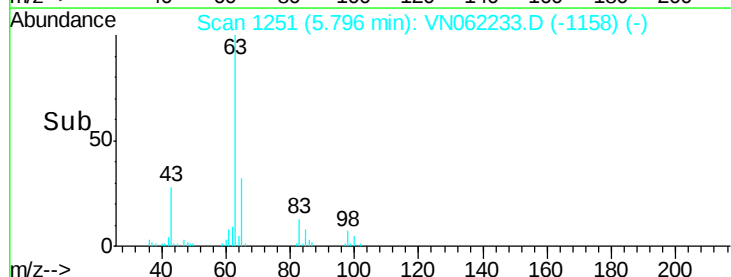
30000

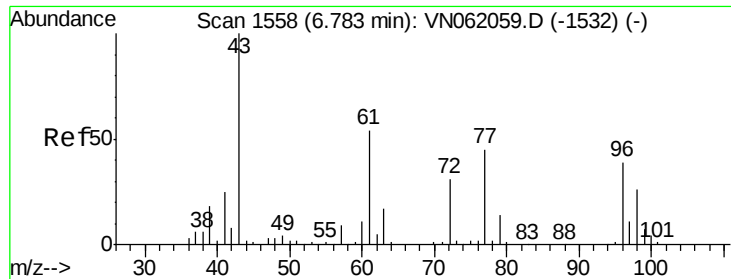
20000

10000

0

Time-->





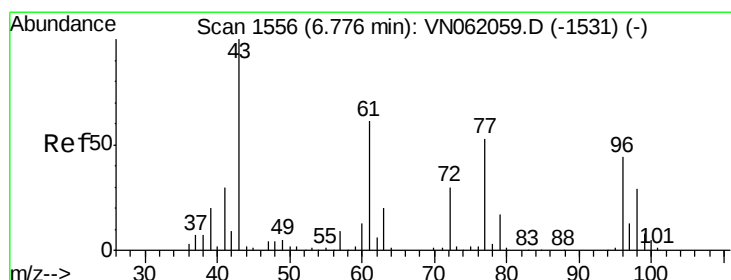
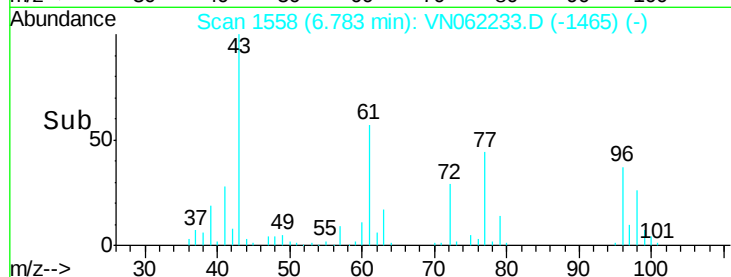
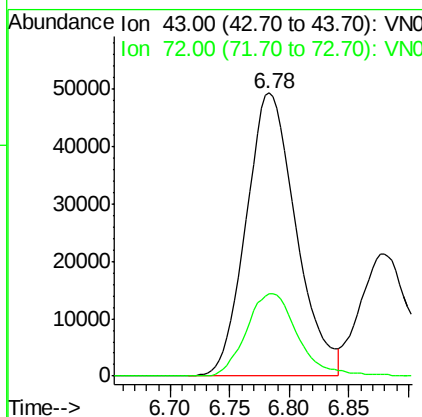
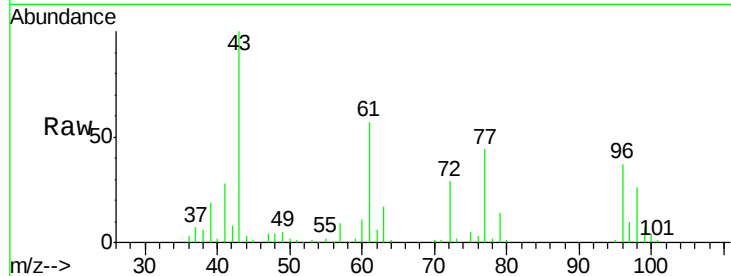
#25
2-Butanone
Concen: 93.228 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Instrument :
MSVOA_N
ClientSampled :
VN0630WBS01

Tot Ion: 43 Resp: 143371
Ion Ratio Lower Upper
43 100
72 29.2 24.8 37.2

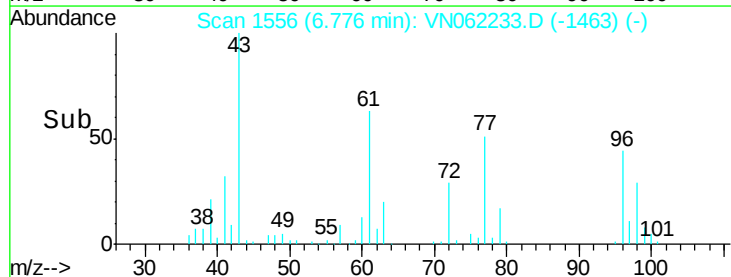
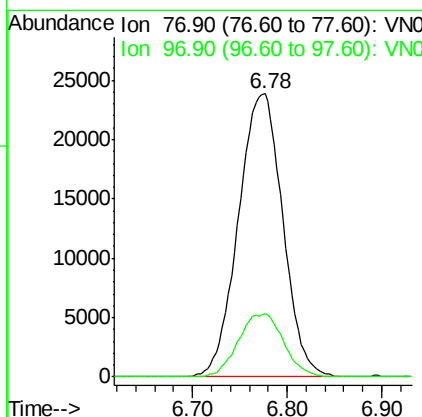
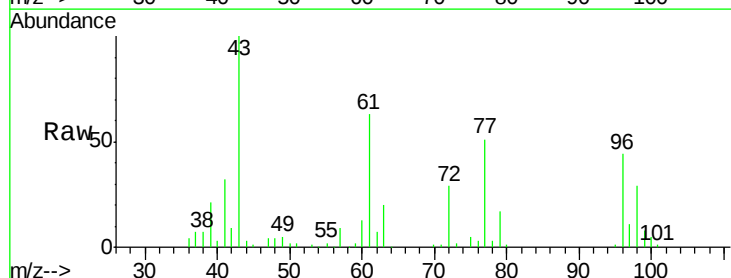
Manual Integrations
APPROVED

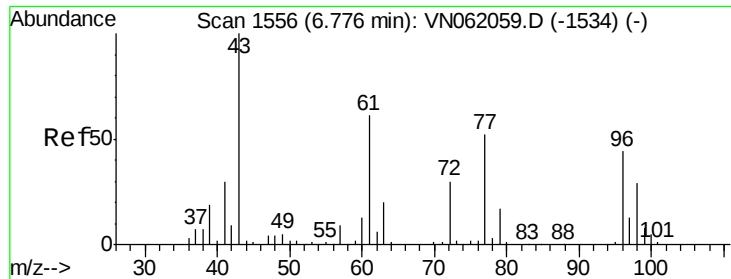
MMDadoda
7/1/2020 10:16:40 AM



#26
2,2-Dichloropropane
Concen: 18.138 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Tgt Ion: 77 Resp: 77675
Ion Ratio Lower Upper
77 100
97 22.6 11.8 35.3





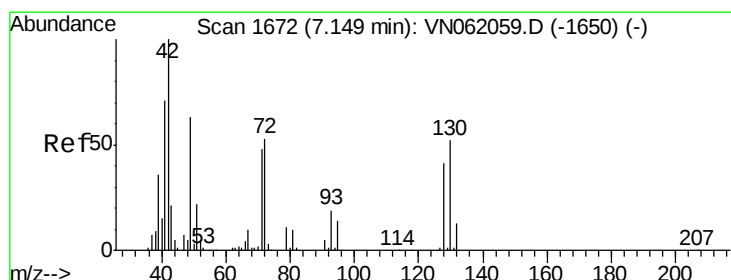
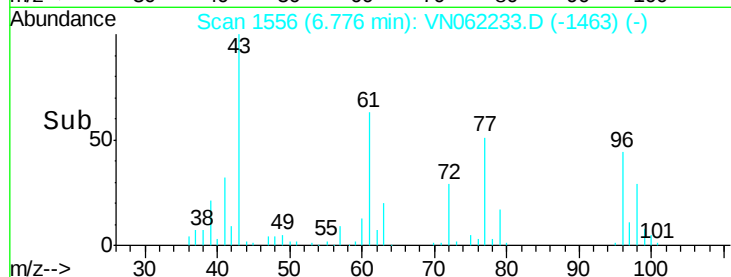
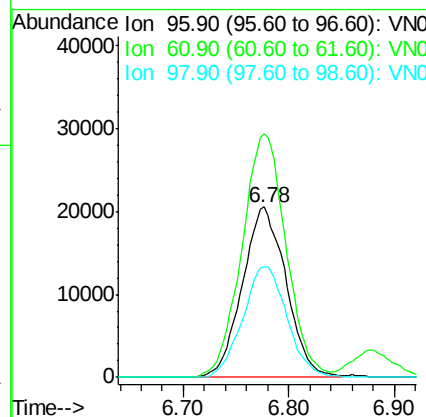
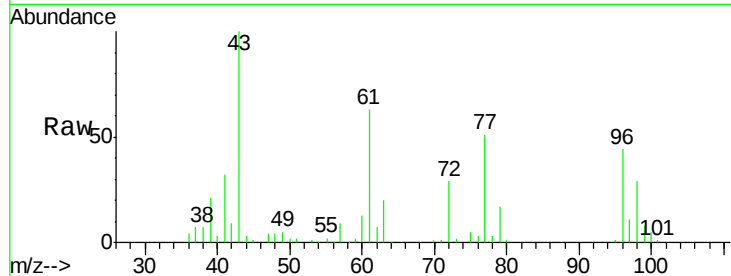
#27
 cis-1,2-Dichloroethene
 Concen: 18.006 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	59422		
61	143.8	0.0	280.4	
98	65.5	0.0	129.4	

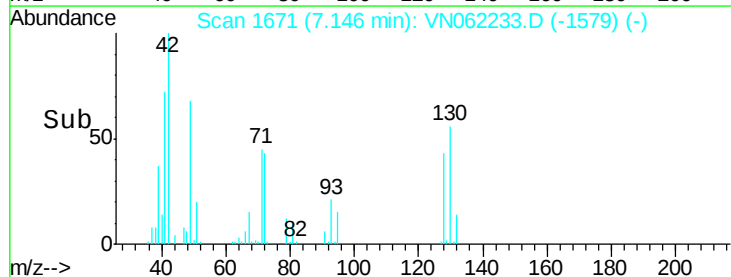
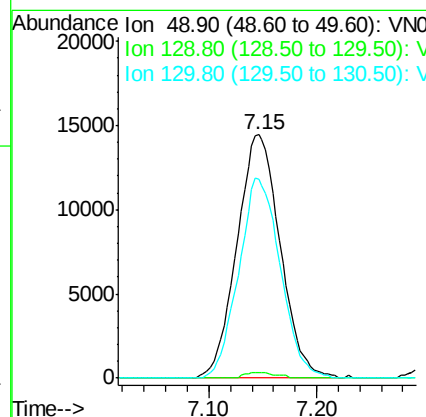
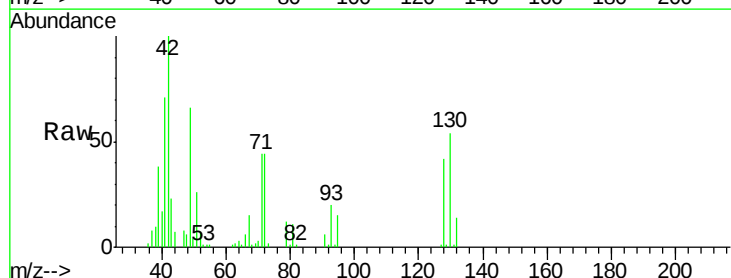
Manual Integrations
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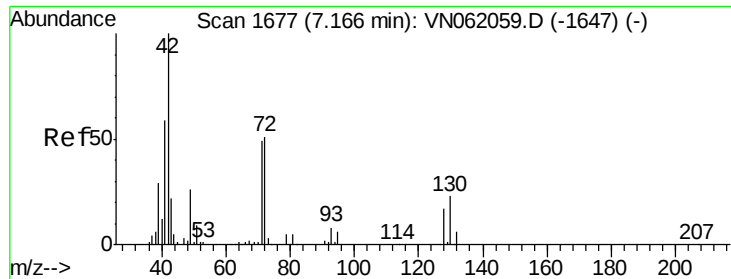
MMDadoda
 7/1/2020 10:16:40 AM



#28
 Bromochloromethane
 Concen: 18.068 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	40287		
129	1.4	0.0	4.4	
130	79.0	65.5	98.3	





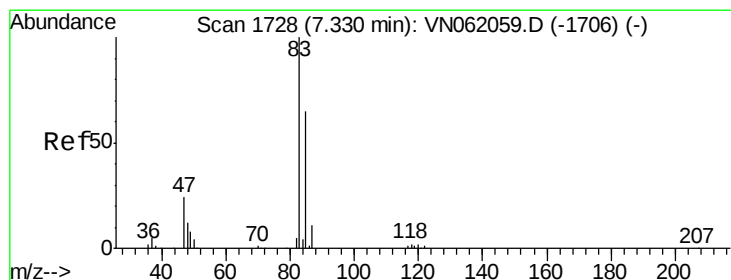
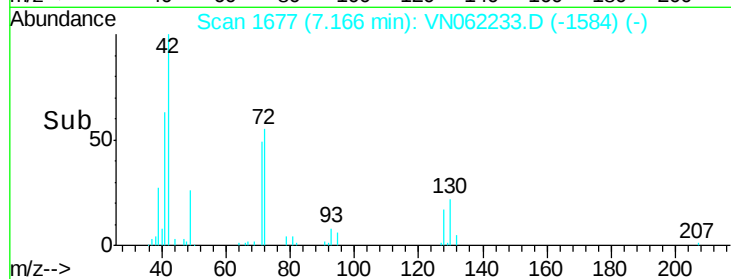
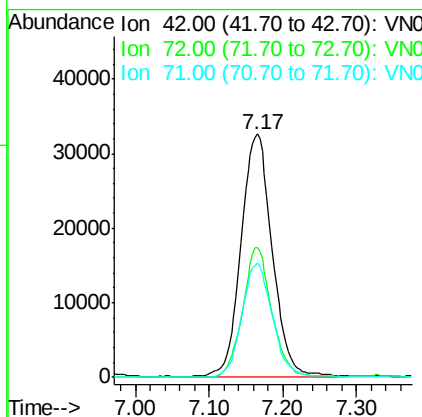
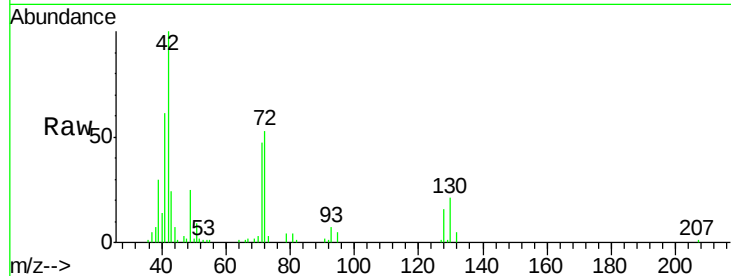
#29
Tetrahydrofuran
Concen: 96.131 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0630WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.4	41.1	61.7
71	45.5	38.2	57.4

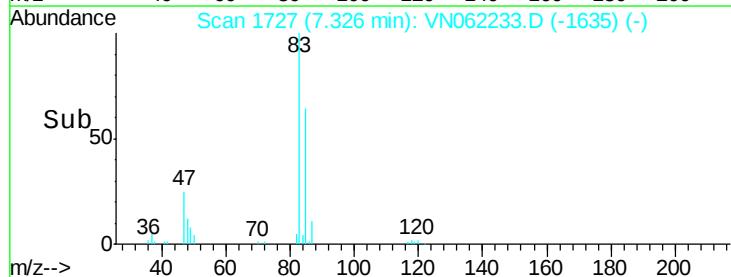
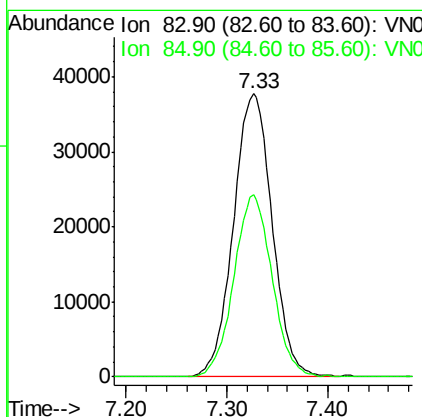
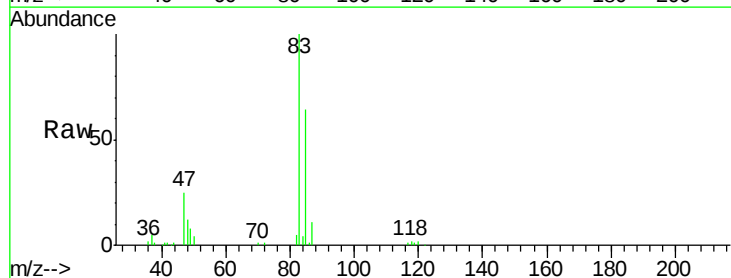
Manual Integrations
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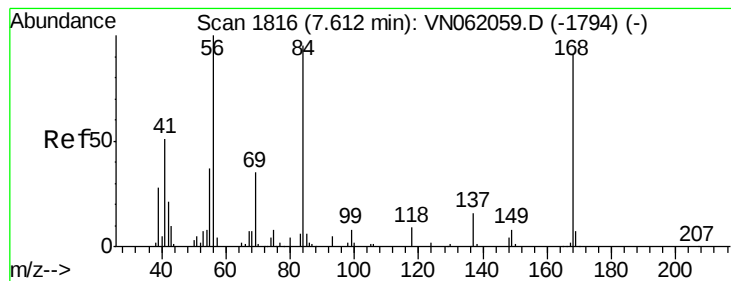
MMDadoda
7/1/2020 10:16:40 AM



#30
Chloroform
Concen: 19.198 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.3	78.5





#31

Cyclohexane

Concen: 18.590 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Instrument :

MSVOA_N

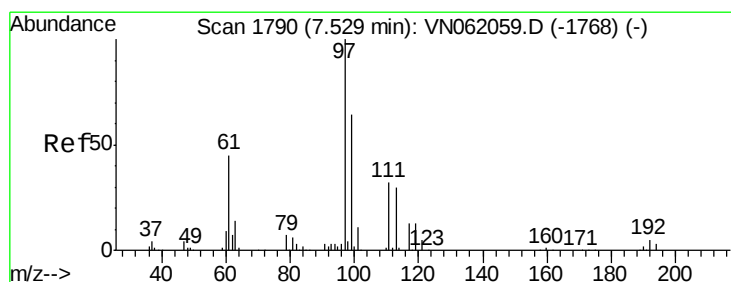
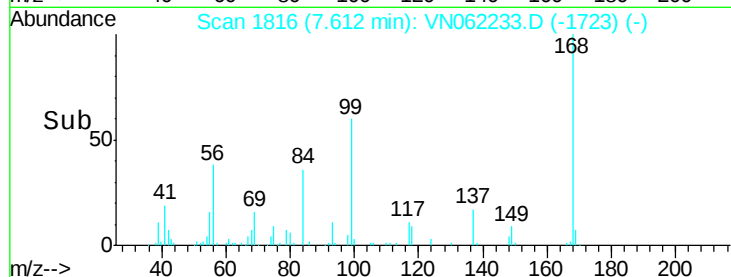
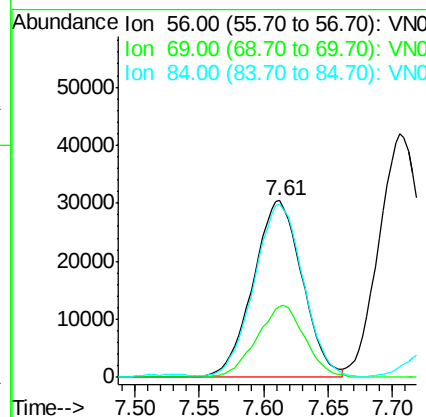
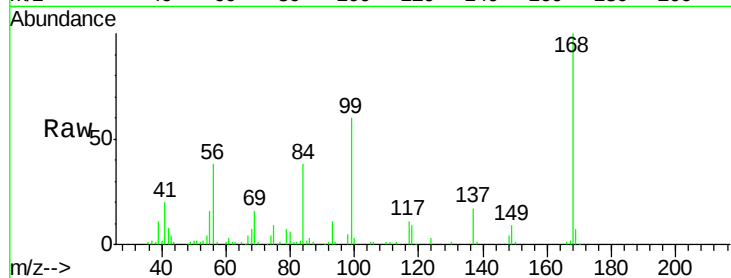
ClientSampled :

VN0630WBS01

Tot Ion:	56	Resp:	80809
Ion	Ratio	Lower	Upper
56	100		
69	40.3	28.0	42.0
84	96.9	76.1	114.1

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#32

1,1,1-Trichloroethane

Concen: 18.521 ug/l

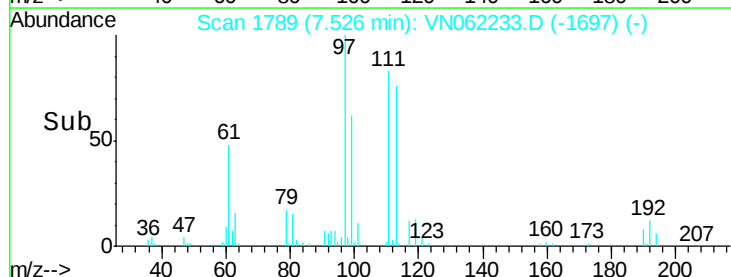
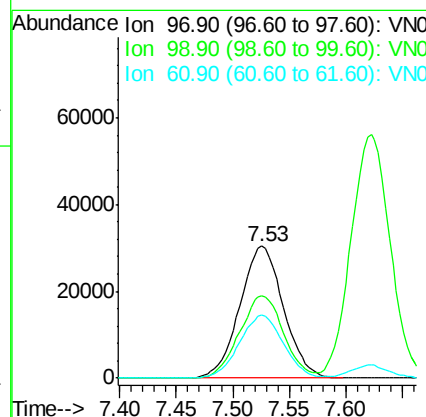
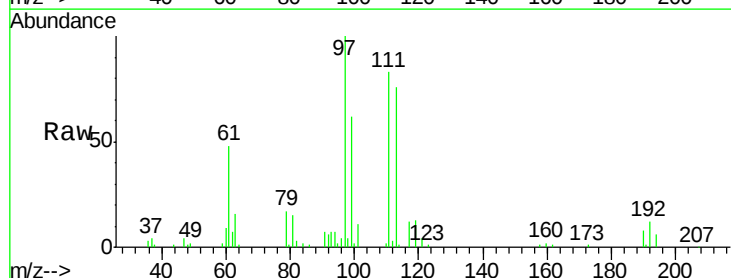
RT: 7.53 min Scan# 1789

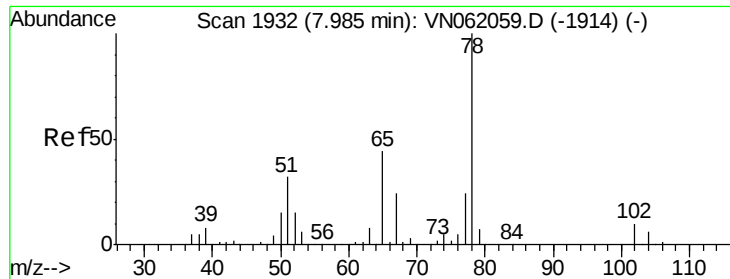
Delta R.T. -0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Tgt Ion:	97	Resp:	81667
Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.0	76.4
61	48.3	36.2	54.2





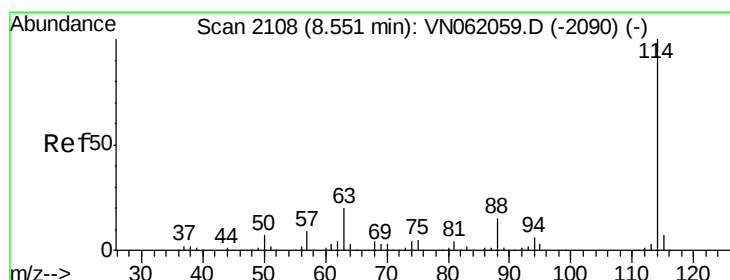
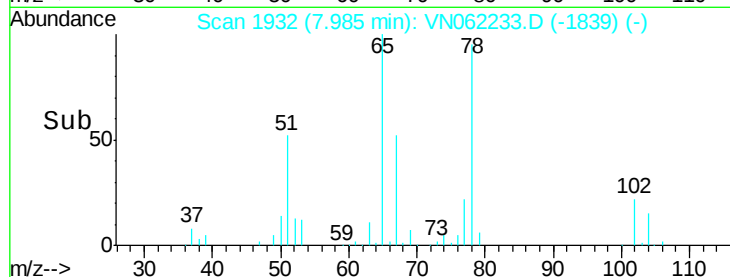
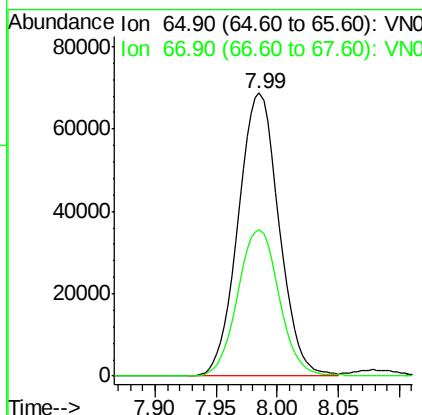
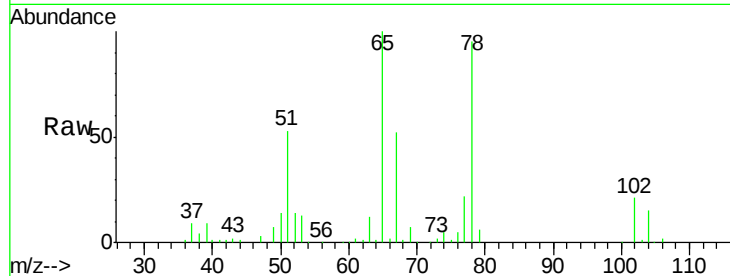
#33
 1,2-Dichloroethane-d4
 Concen: 50.579 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	159136		
67	52.4	0.0	106.2	

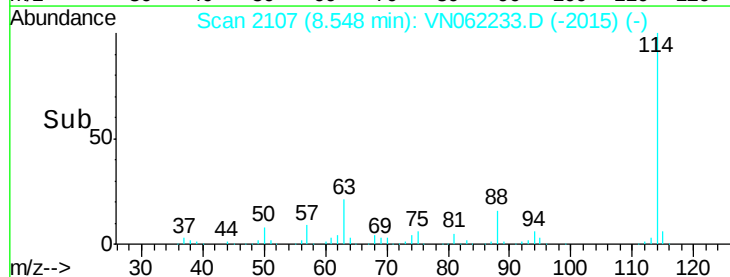
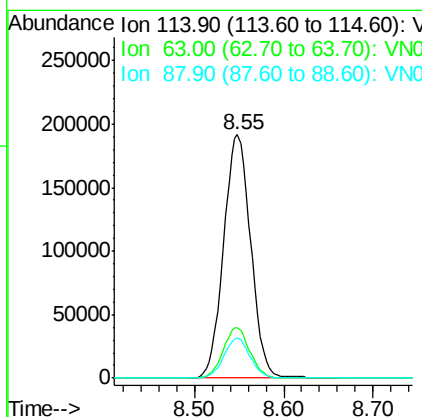
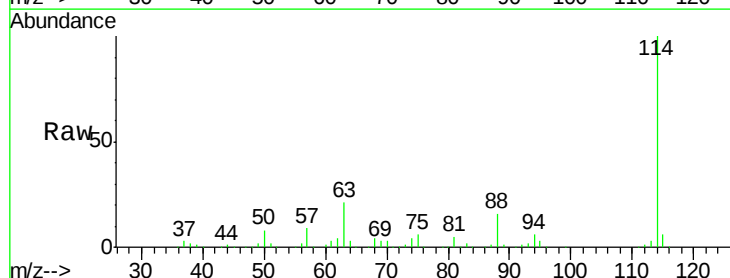
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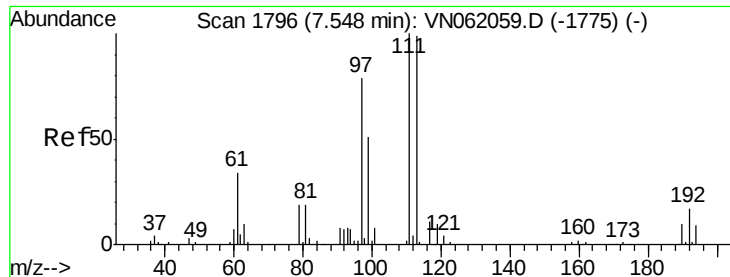
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	403177		
63	20.6	0.0	39.2	
88	16.4	0.0	30.8	





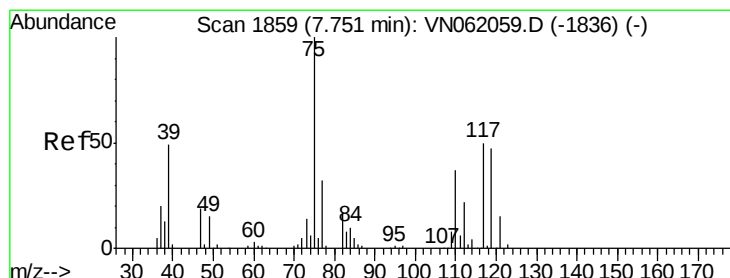
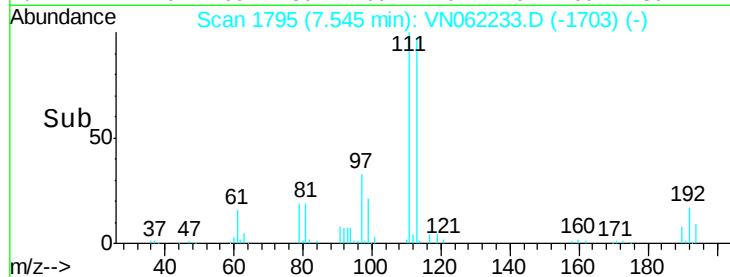
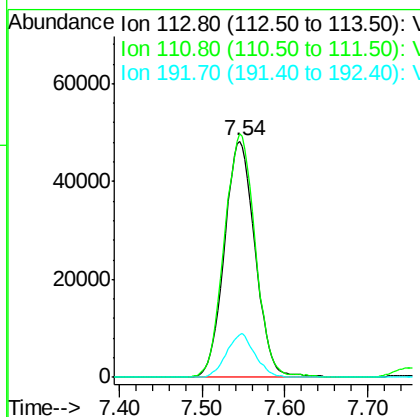
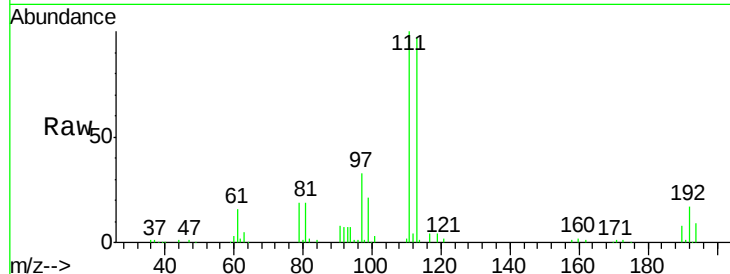
#35
 Dibromofluoromethane
 Concen: 47.972 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	124084		
111	104.1	82.2	123.4	
192	17.2	14.0	21.0	

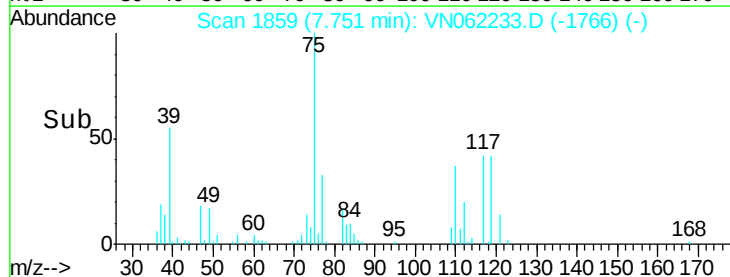
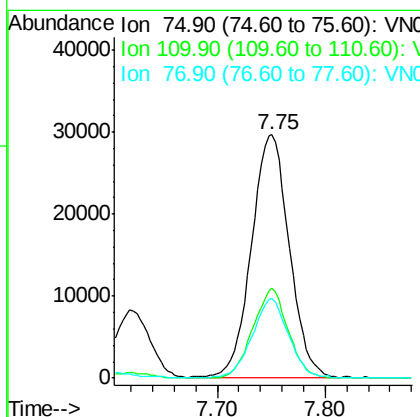
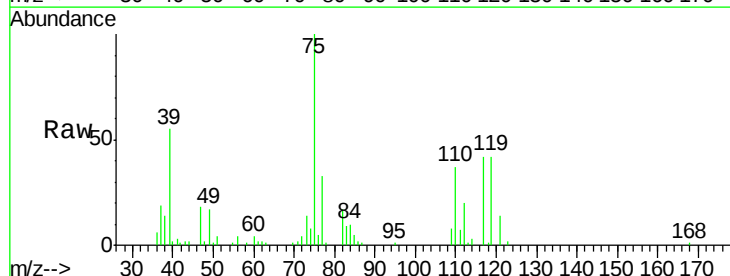
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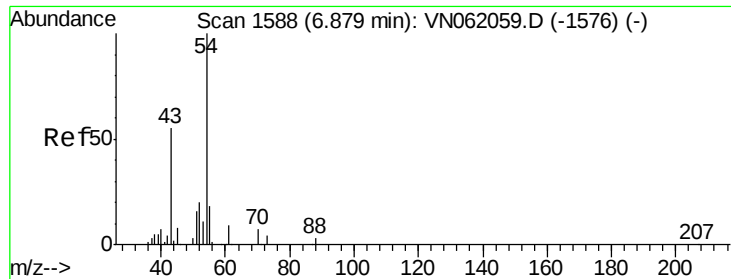
MMDadoda
 7/1/2020 10:16:40 AM



#36
 1,1-Dichloropropene
 Concen: 17.902 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	72547		
110	34.2	17.9	53.8	
77	31.4	24.9	37.3	





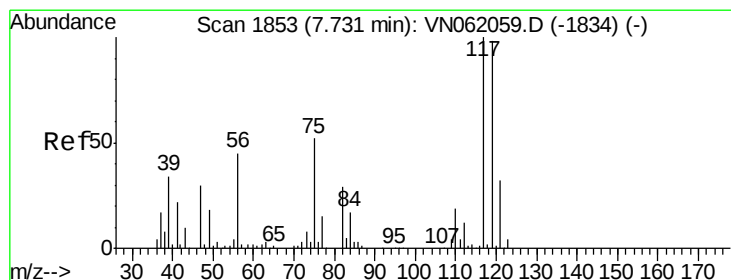
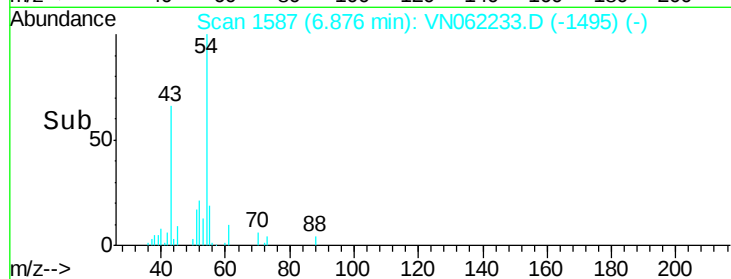
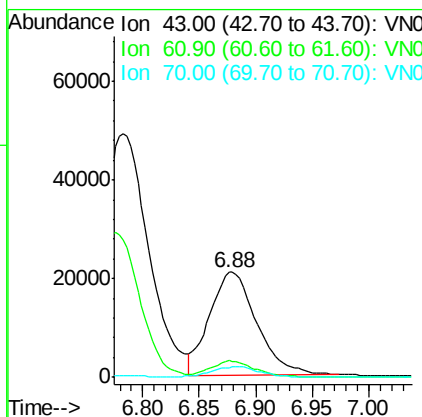
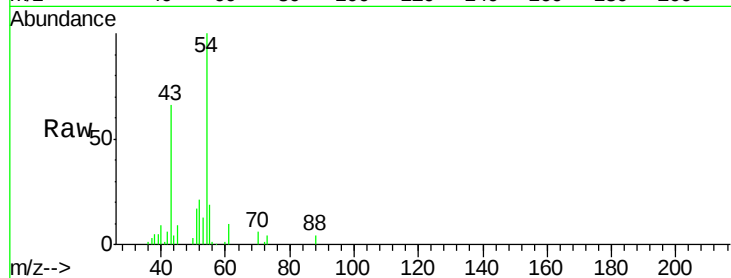
#37
Ethyl Acetate
Concen: 18.158 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Instrument :
MSVOA_N
ClientSampled :
VN0630WBS01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	15.2	12.0	18.0	
70	10.5	9.6	14.4	

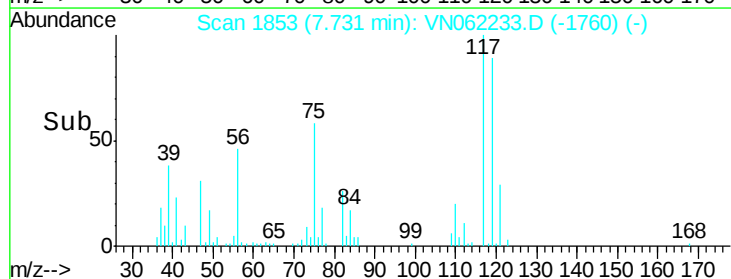
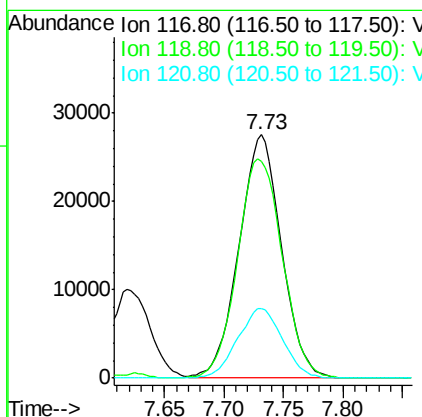
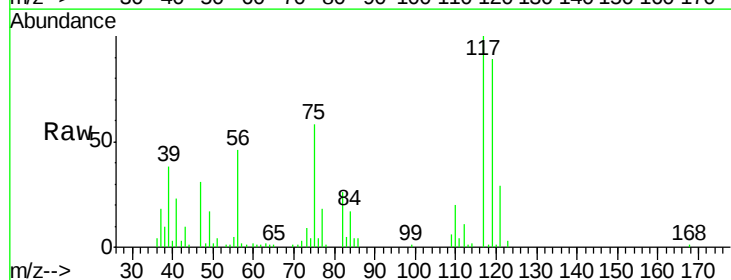
Manual Integrations
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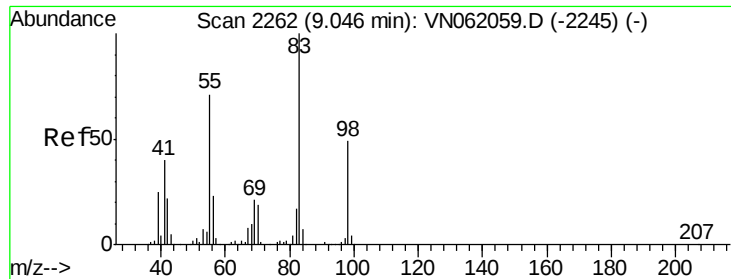
MMDadoda
7/1/2020 10:16:40 AM



#38
Carbon Tetrachloride
Concen: 17.826 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	89.0	78.2	117.2	
121	28.5	25.8	38.6	





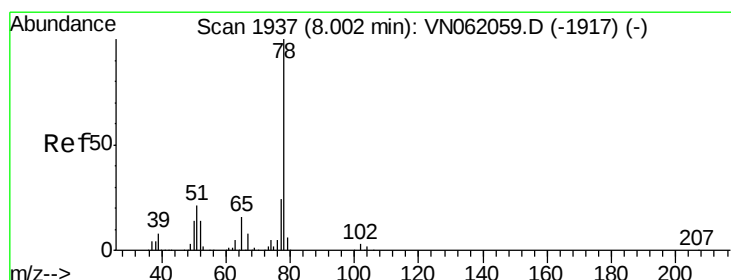
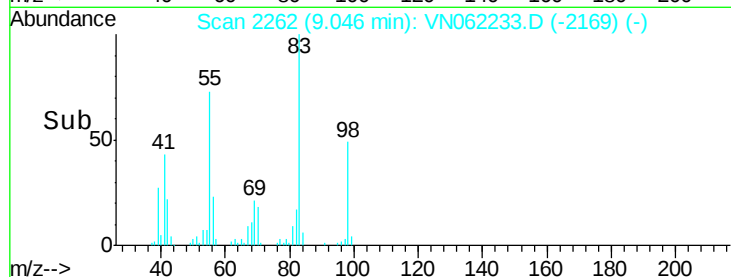
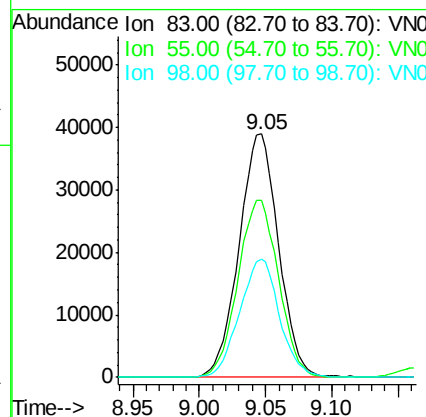
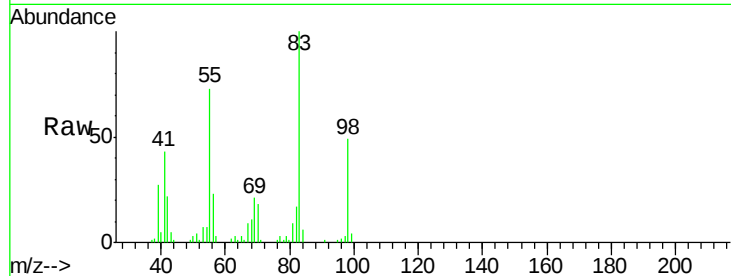
#39
Methvlcvclohexane
Concen: 18.195 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Instrument :
MSVOA_N
ClientSampled :
VN0630WBS01

Tot Ion	83	Resp	80793
Ion	Ratio	Lower	Upper
83	100		
55	72.7	57.0	85.6
98	48.7	39.0	58.6

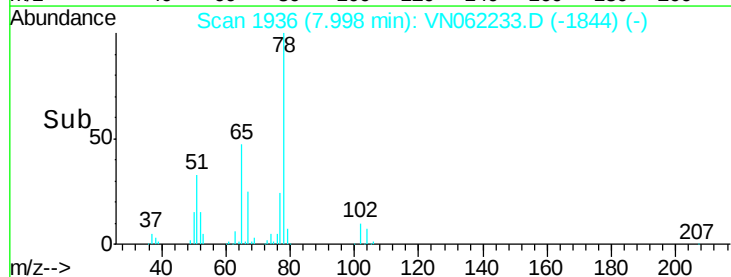
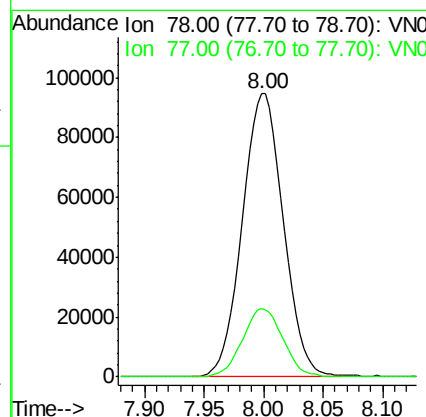
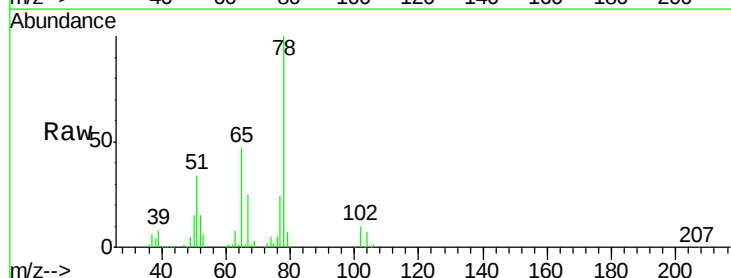
Manual Integrations
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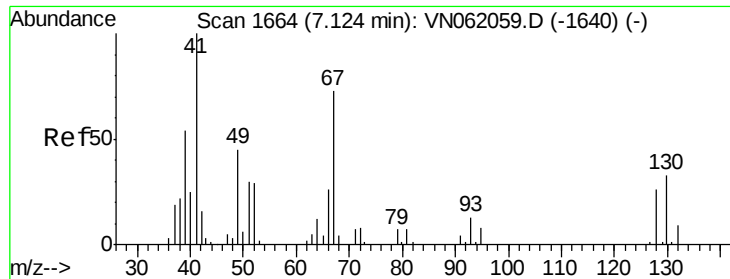
MMDadoda
7/1/2020 10:16:40 AM



#40
Benzene
Concen: 18.292 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Tgt Ion	78	Resp	225947
Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.5	29.3





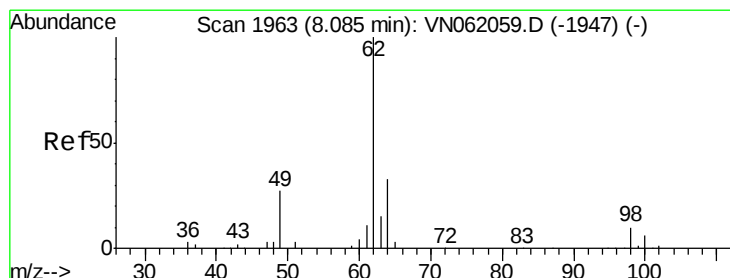
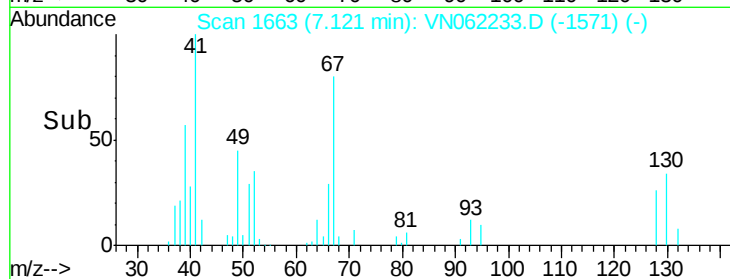
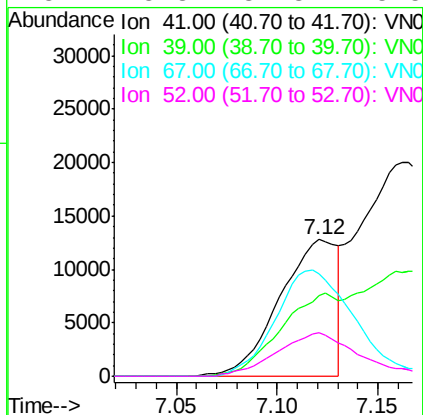
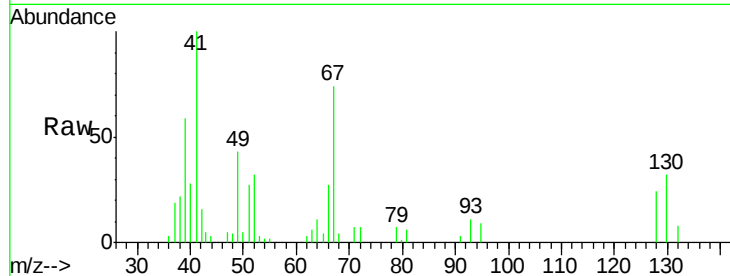
#41
Methacrylonitrile
Concen: 16.347 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0630WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.6	44.2	66.2	
67	108.1	79.5	119.3	
52	45.3	32.3	48.5	

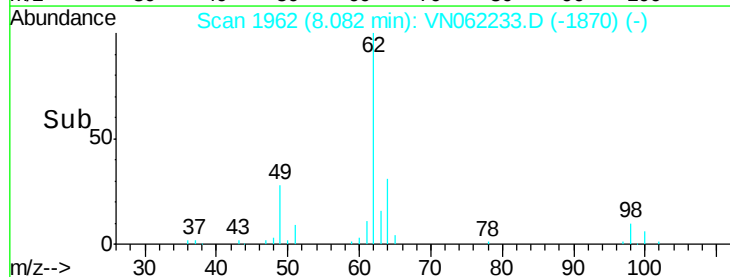
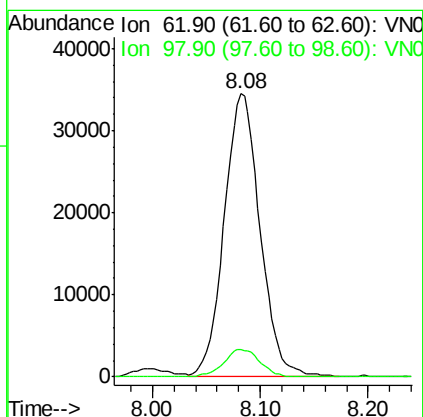
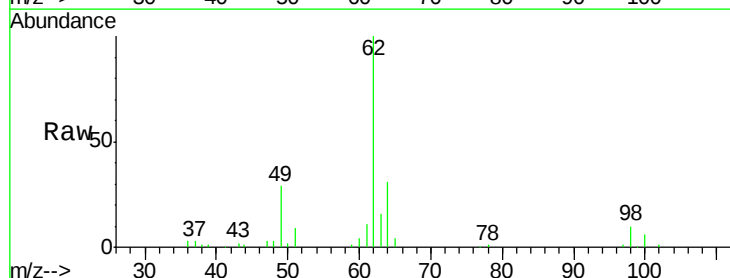
Manual Integrations
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7/1/2020 10:16:40 AM



#42
1,2-Dichloroethane
Concen: 19.146 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	19.8	





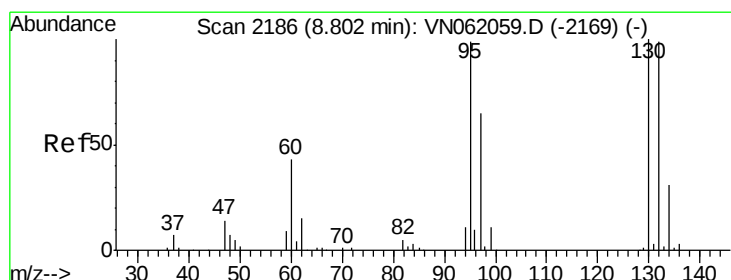
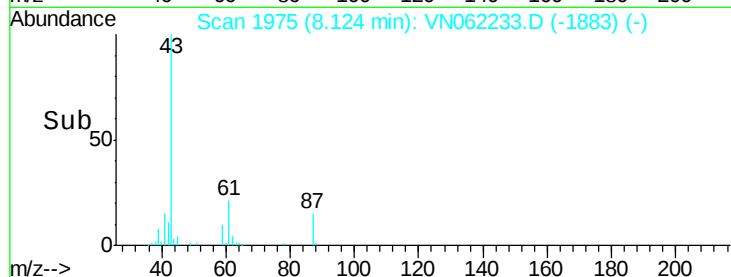
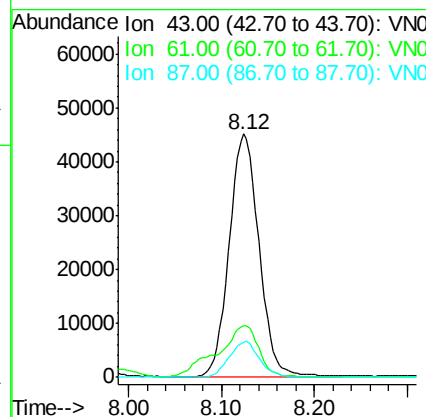
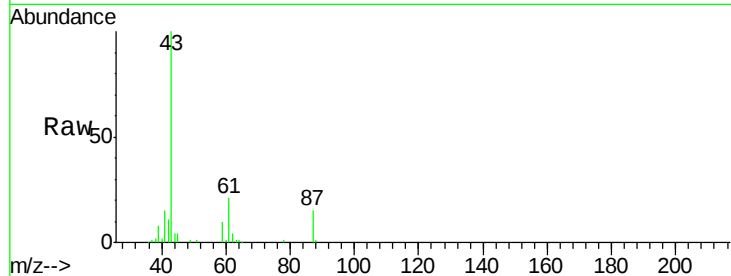
#43
Isopropyl Acetate
Concen: 18.542 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0630WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.5	17.2	25.8
87	14.8	12.1	18.1

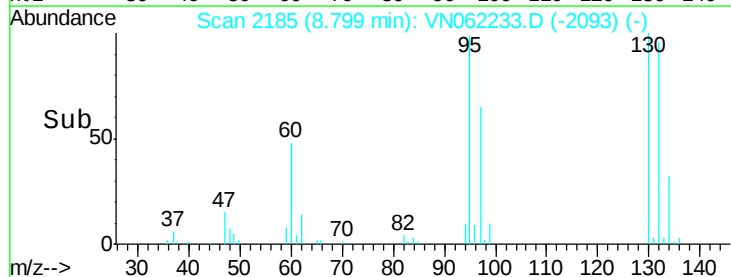
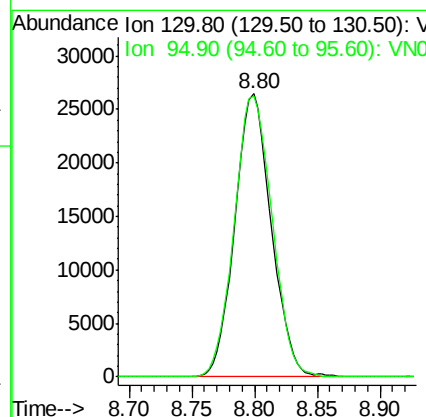
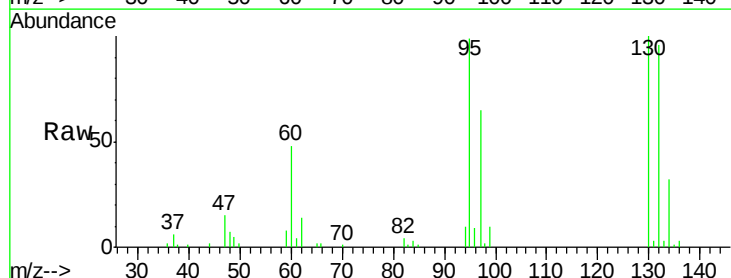
Manual Integrations
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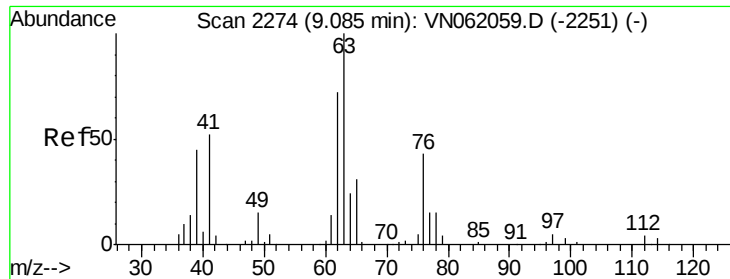
MMDadoda
7/1/2020 10:16:40 AM



#44
Trichloroethene
Concen: 17.171 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	197.8





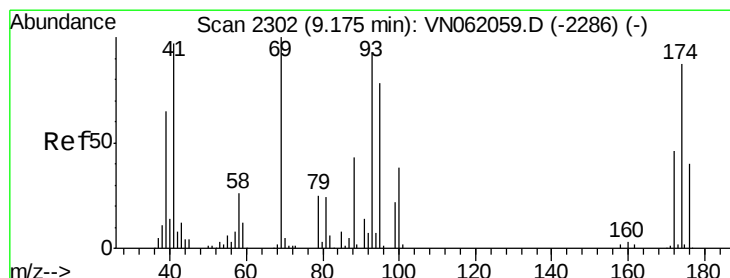
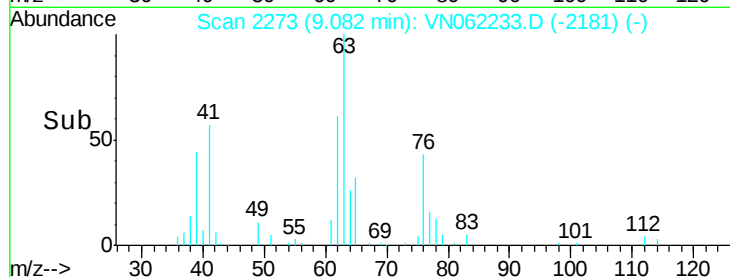
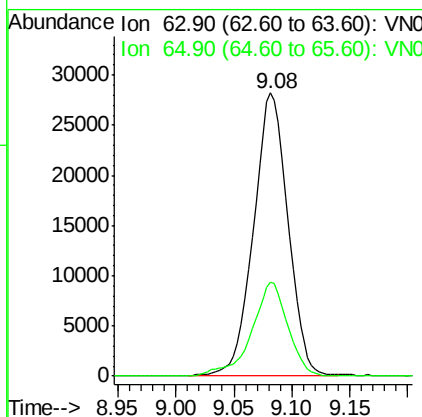
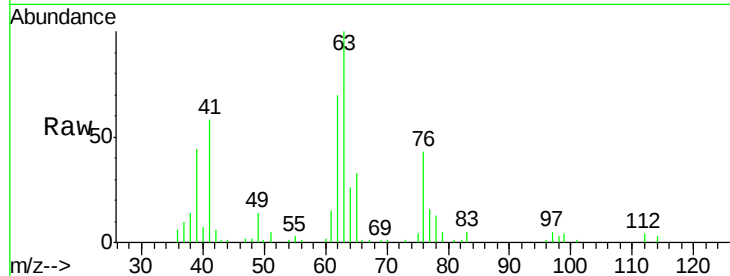
#45
 1,2-Dichloropropane
 Concen: 19.237 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630WBS01

Tot Ion: 63 Resp: 58621
 Ion Ratio Lower Upper
 63 100
 65 33.0 25.0 37.4

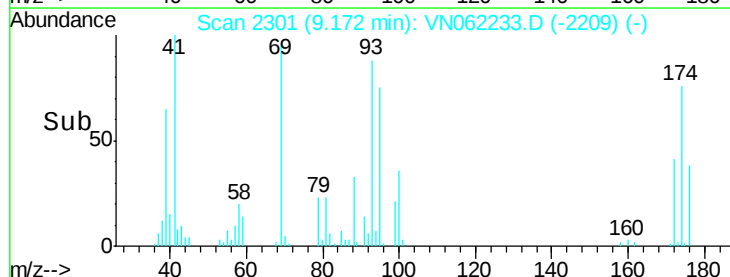
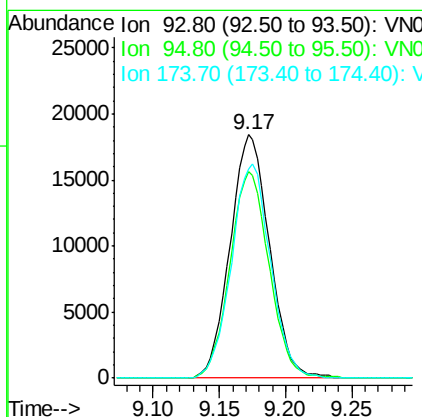
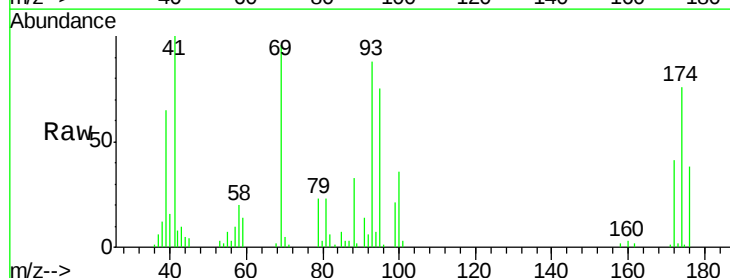
Manual Integrations
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MMDadoda
 7/1/2020 10:16:40 AM



#46
 Dibromomethane
 Concen: 18.382 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Tgt Ion: 93 Resp: 37979
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.0 100.6
 174 87.3 74.4 111.6





#47

Bromodichloromethane

Concen: 18.740 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Instrument :

MSVOA_N

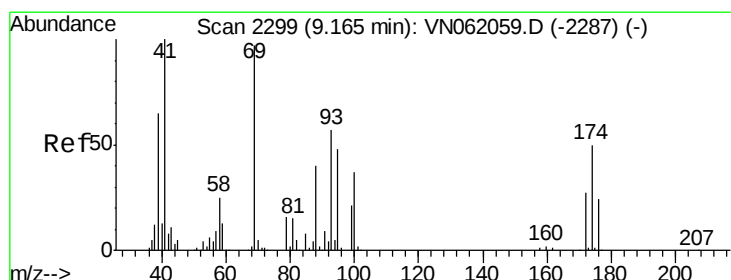
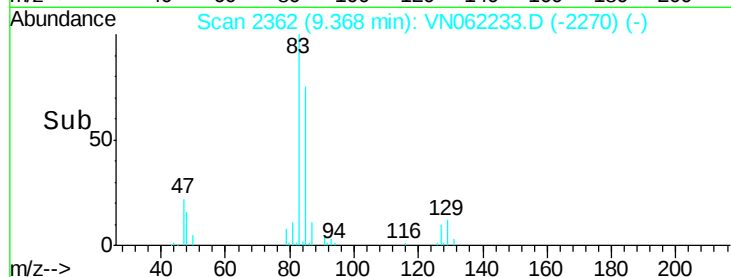
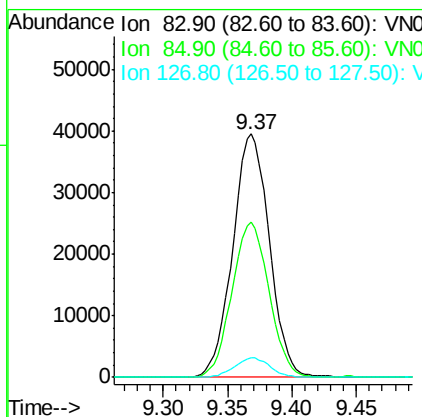
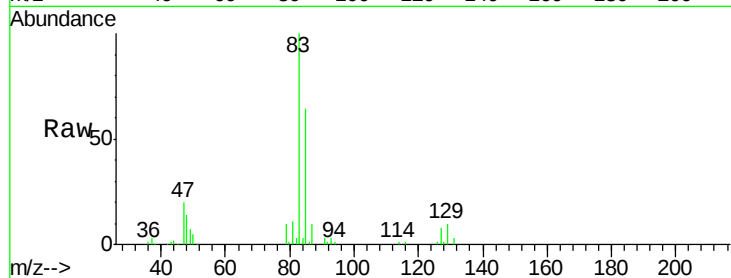
ClientSampled :

VN0630WBS01

Tot Ion:	83	Resp:	78176
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.3	75.5
127	8.1	6.9	10.3

Manual Integrations
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MMDadoda
7/1/2020 10:16:40 AM



#48

Methyl methacrylate

Concen: 18.406 ug/l

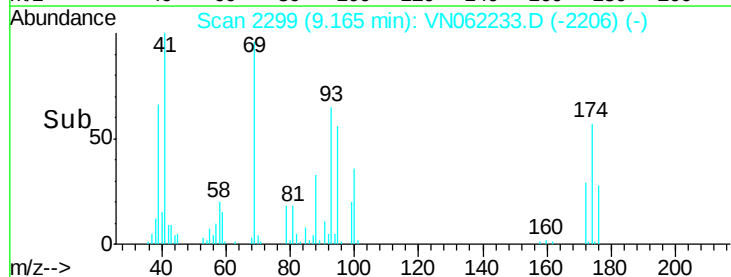
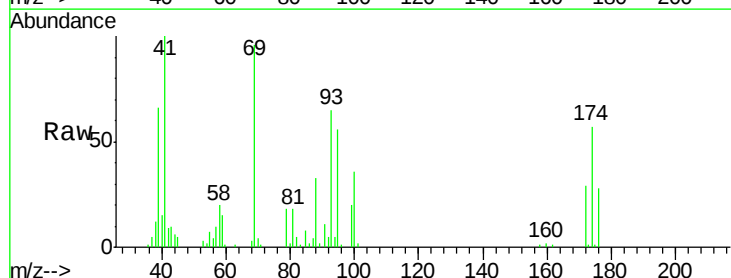
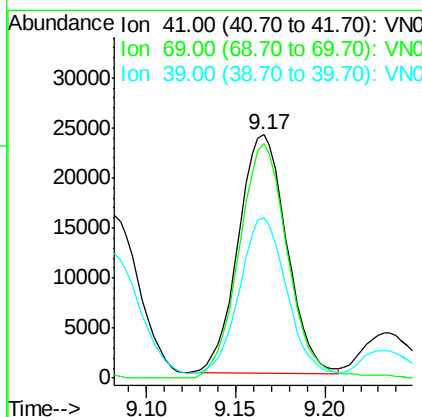
RT: 9.17 min Scan# 2299

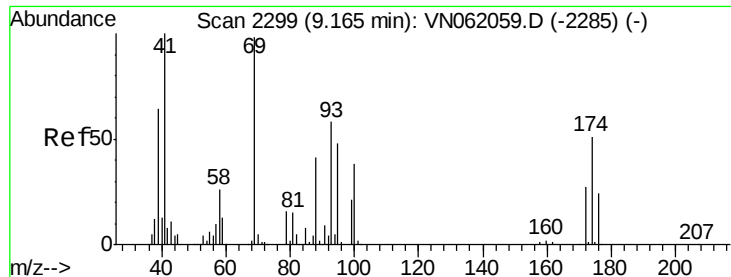
Delta R.T. 0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Tgt Ion:	41	Resp:	45146
Ion	Ratio	Lower	Upper
41	100		
69	98.9	80.7	121.1
39	67.7	54.5	81.7





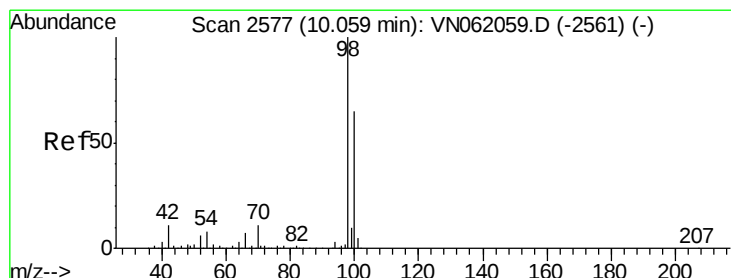
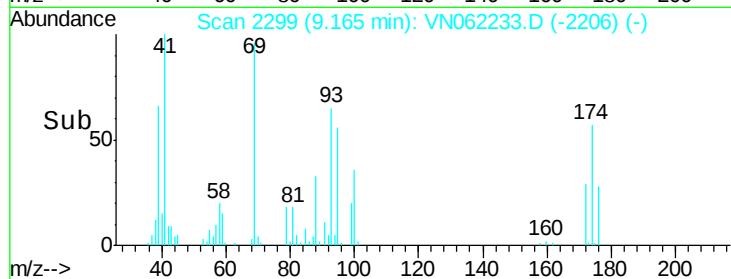
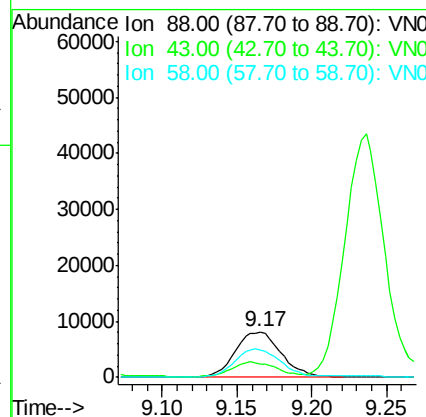
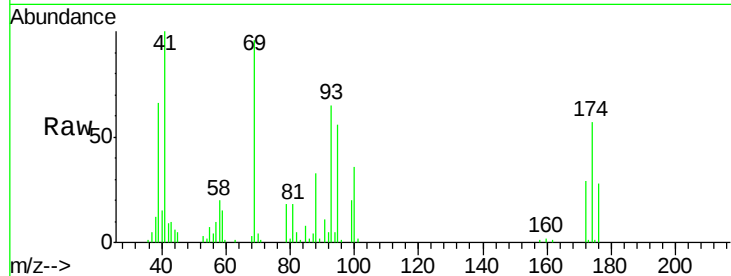
#49
1,4-Dioxane
Concen: 318.994 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0630WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.6	22.0	33.0#
58	62.9	49.2	73.8

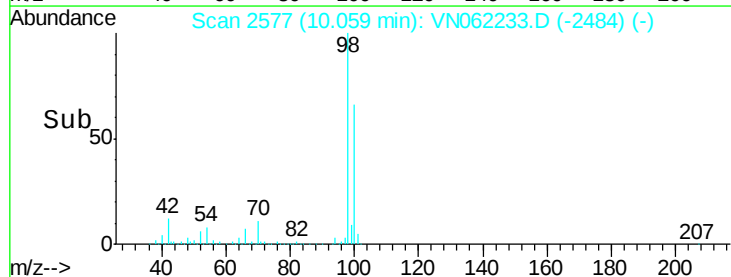
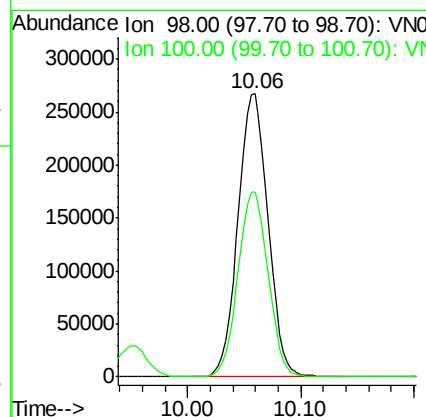
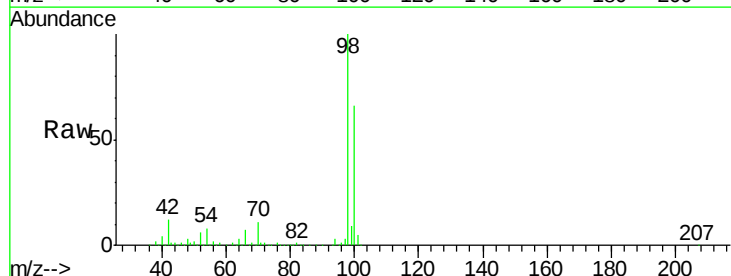
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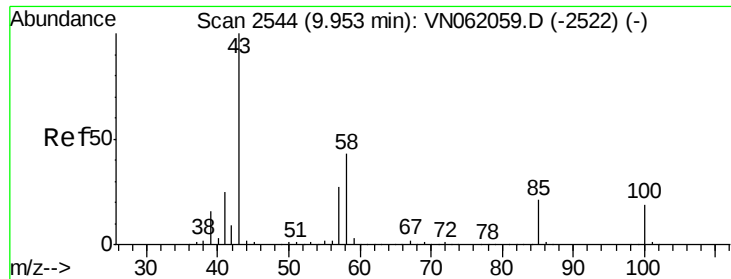
MMDadoda
7/1/2020 10:16:40 AM



#50
Toluene-d8
Concen: 47.893 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 94.737 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Instrument :

MSVOA_N

ClientSampled :

VN0630WBS01

Tot Ion: 43 Resp: 302789

Ion Ratio Lower Upper

43 100

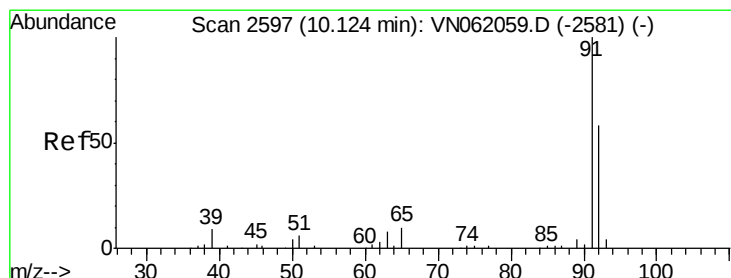
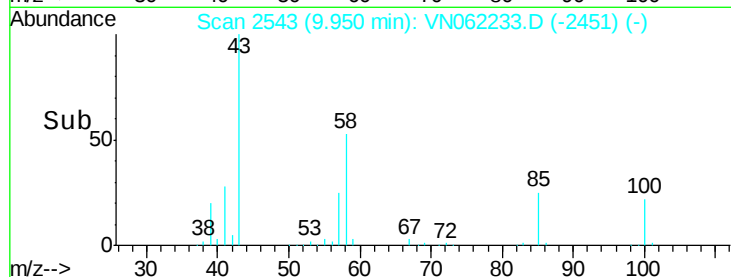
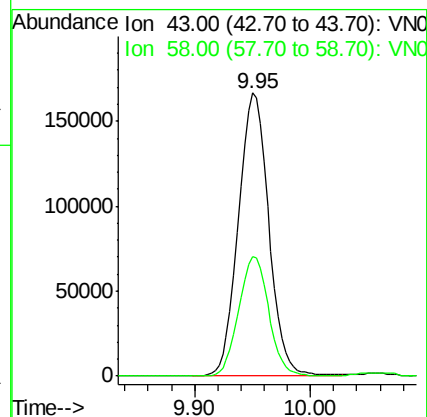
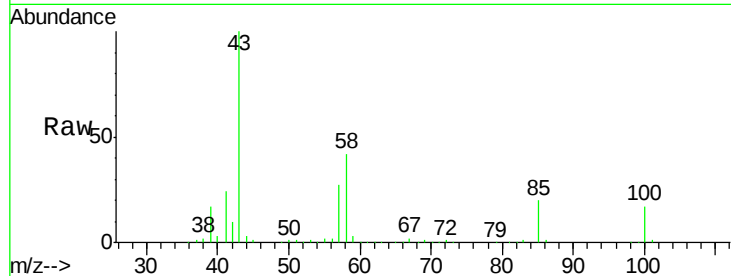
58 41.9 34.2 51.2

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7/1/2020 10:16:40 AM



#52

Toluene

Concen: 18.698 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062233.D

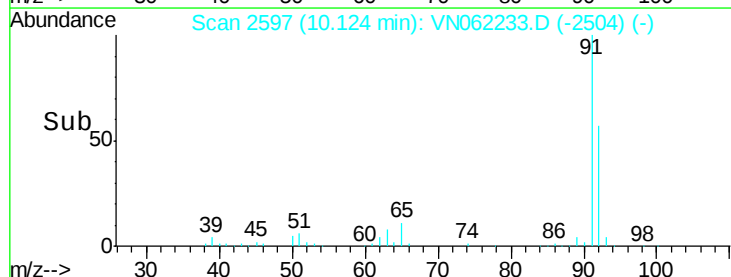
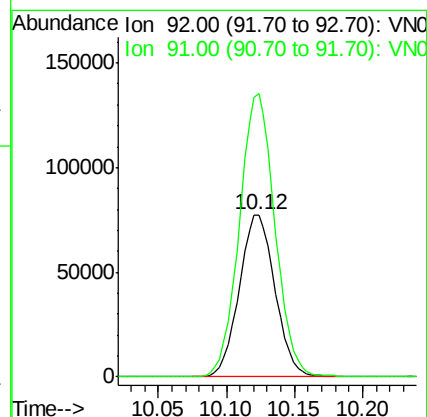
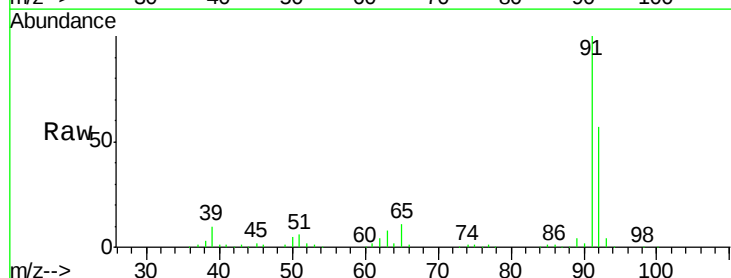
Acq: 30 Jun 2020 12:26

Tgt Ion: 92 Resp: 140918

Ion Ratio Lower Upper

92 100

91 173.5 137.4 206.0





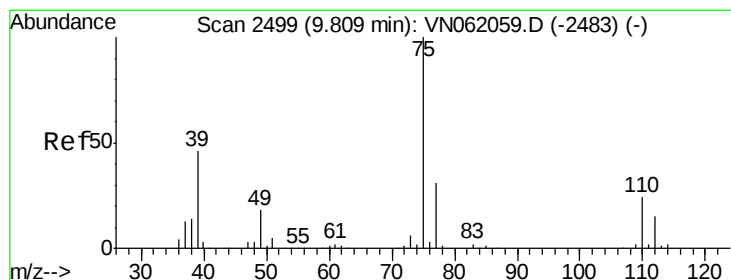
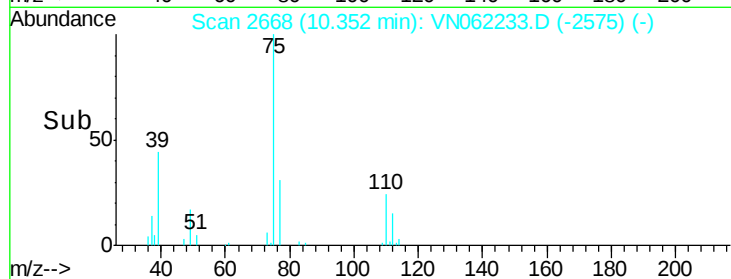
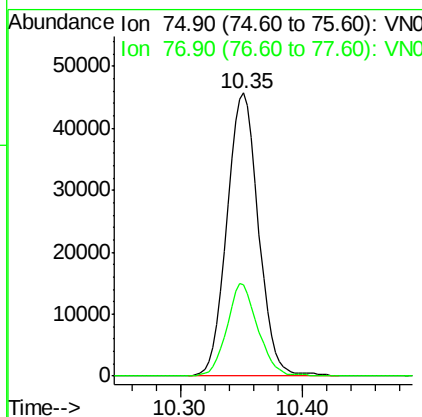
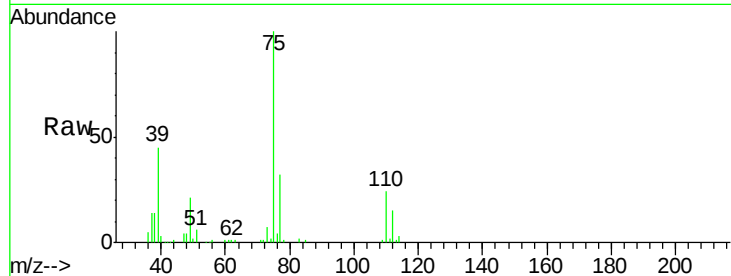
#53
t-1,3-Dichloropropene
Concen: 18.000 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Instrument :
MSVOA_N
ClientSampled :
VN0630WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.5	38.3

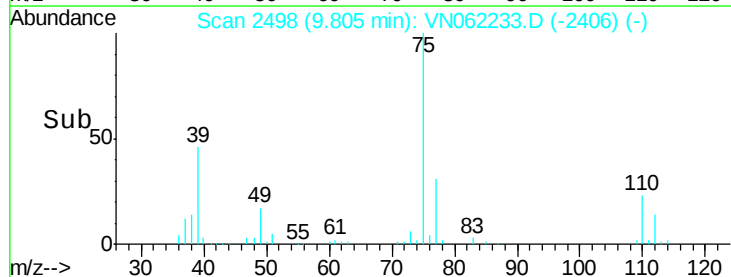
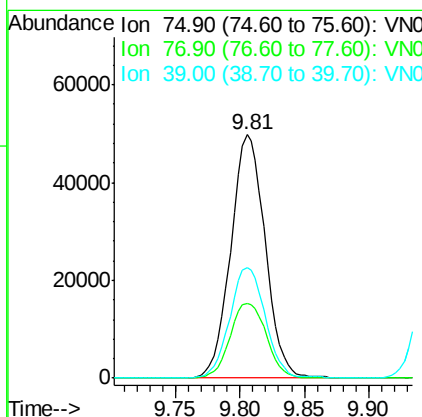
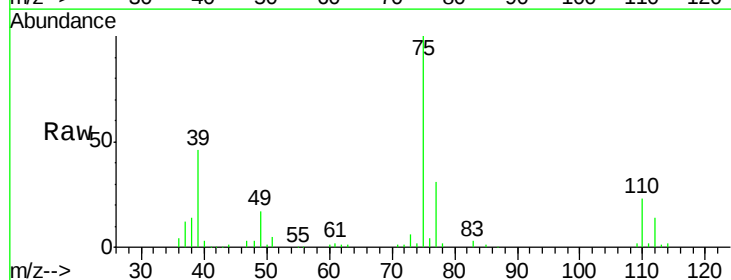
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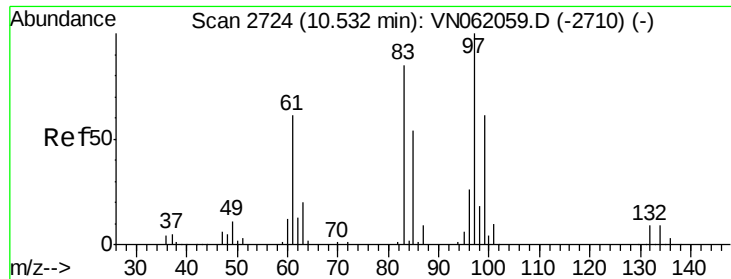
MMDadoda
7/1/2020 10:16:40 AM



#54
cis-1,3-Dichloropropene
Concen: 18.903 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.0	37.6
39	45.5	36.9	55.3





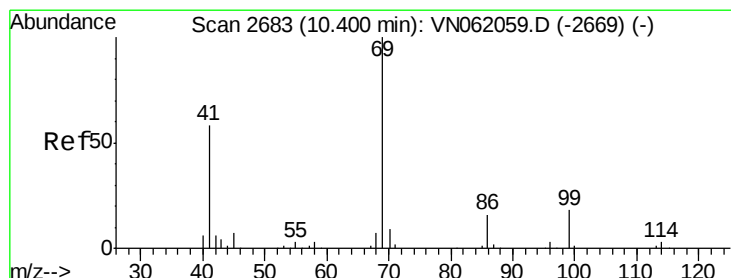
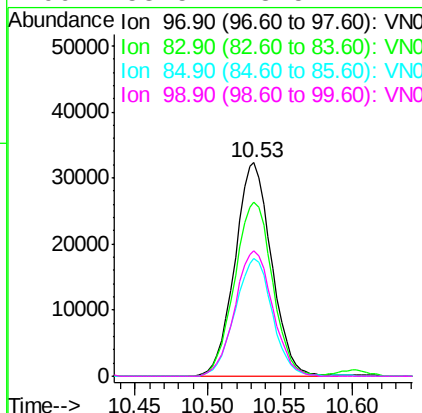
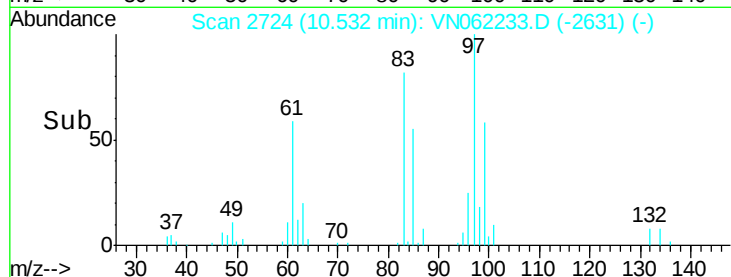
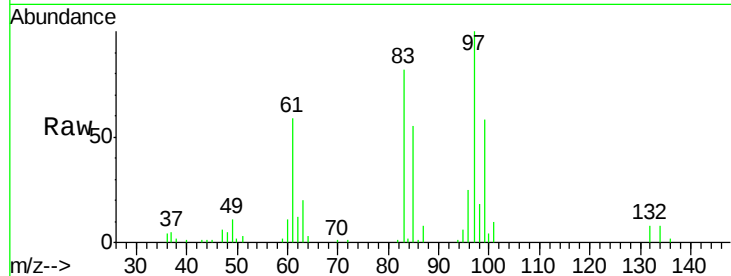
#55
 1,1,2-Trichloroethane
 Concen: 19.207 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630WBS01

Tot Ion:	97	Resp:	56902
Ion	Ratio	Lower	Upper
97	100		
83	81.8	68.2	102.2
85	55.3	43.2	64.8
99	58.5	48.5	72.7

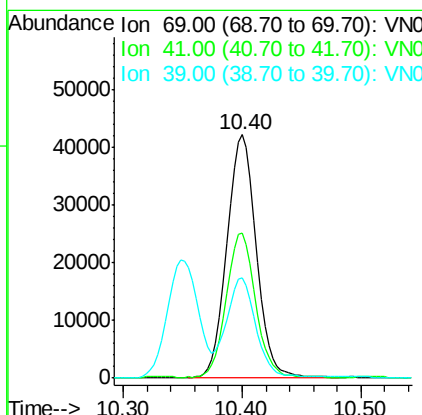
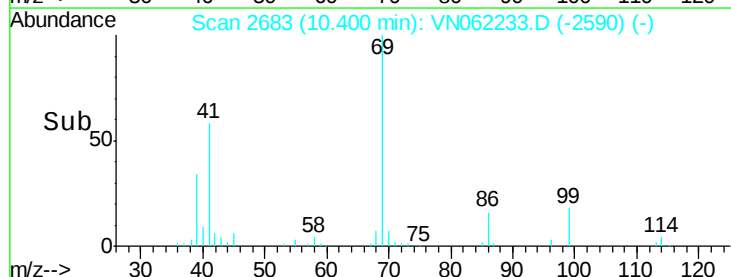
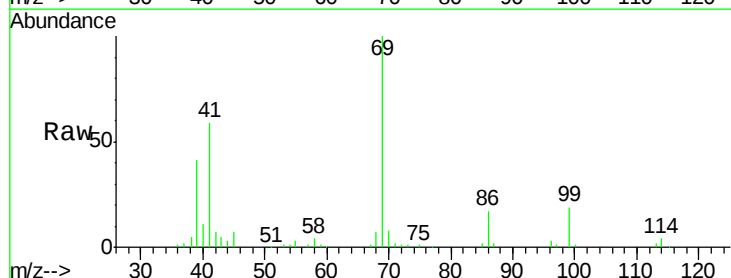
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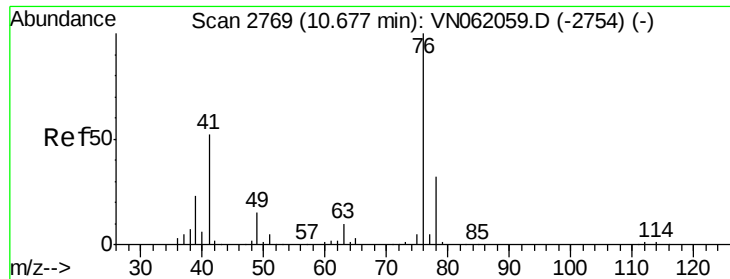
MMDadoda
 7/1/2020 10:16:40 AM



#56
 Ethyl methacrylate
 Concen: 18.340 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Tgt Ion:	69	Resp:	72508
Ion	Ratio	Lower	Upper
69	100		
41	60.3	46.6	70.0
39	41.1	31.0	46.4





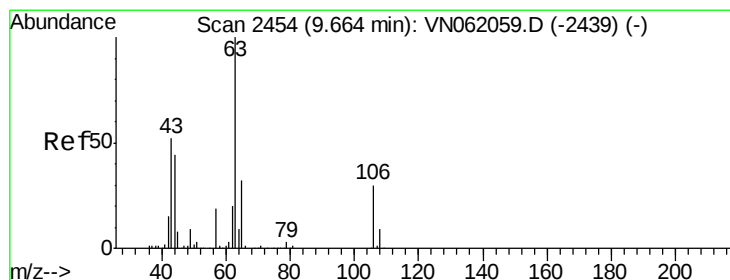
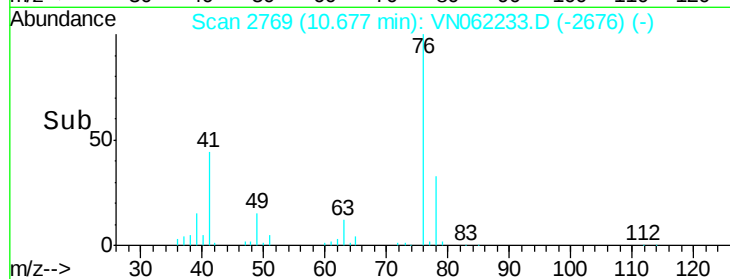
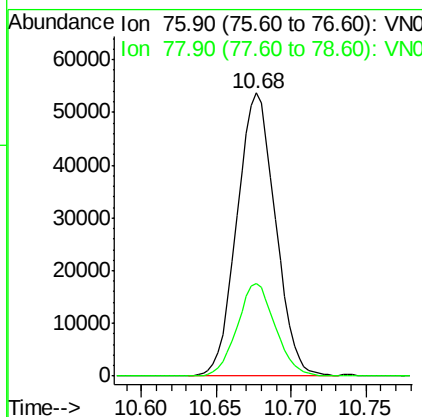
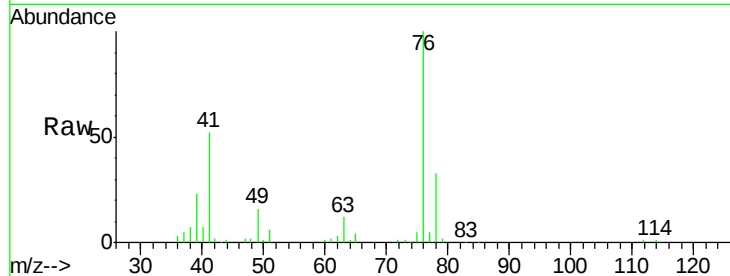
#57
 1,3-Dichloropropane
 Concen: 18.856 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630WBS01

Tot Ion	76	Resp	96153
Ion Ratio	Lower	Upper	
76	100		
78	32.3	25.8	38.8

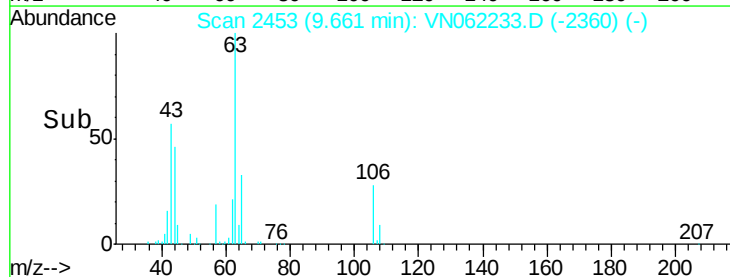
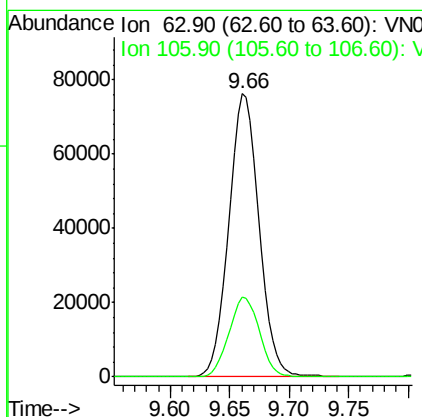
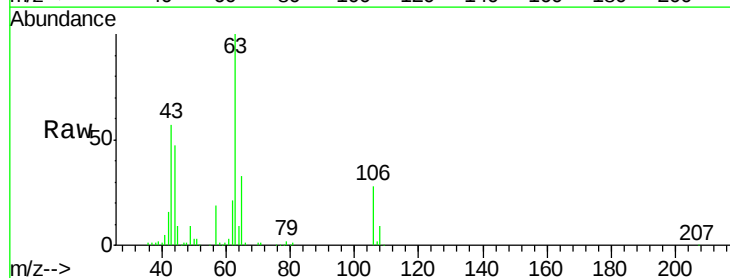
Manual Integrations
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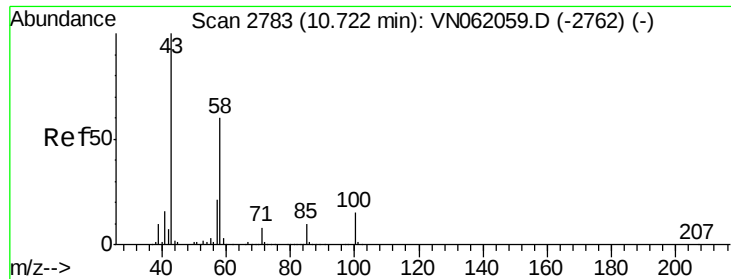
MMDadoda
 7/1/2020 10:16:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.830 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Tgt Ion	63	Resp	134447
Ion Ratio	Lower	Upper	
63	100		
106	28.6	23.2	34.8





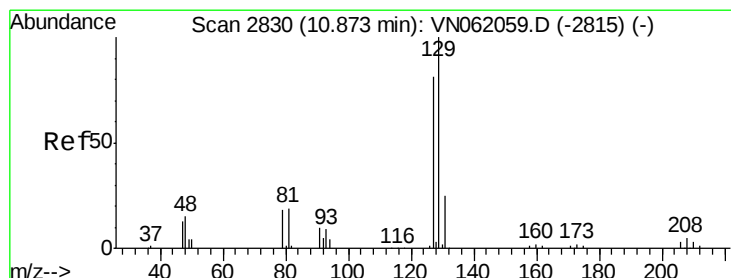
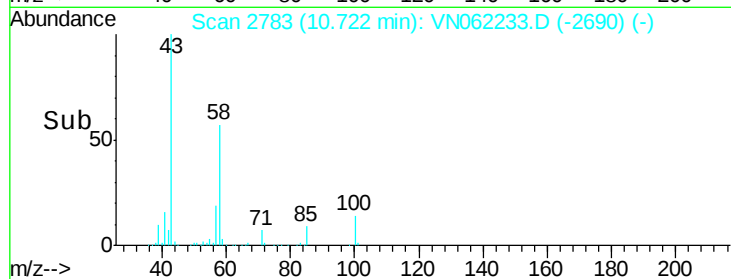
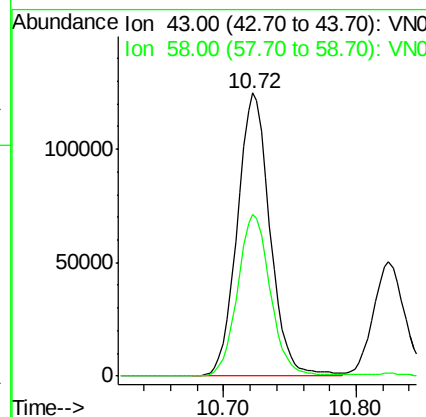
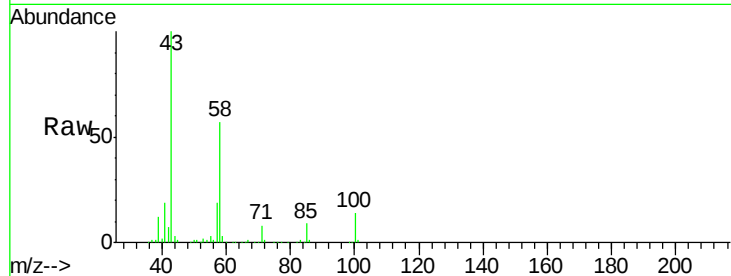
#59
2-Hexanone
Concen: 92.273 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Instrument :
MSVOA_N
ClientSampled :
VN0630WBS01

Tot Ion	43	Resp	212957
Ion Ratio	100	Lower	Upper
43	100		
58	57.4	29.5	88.5

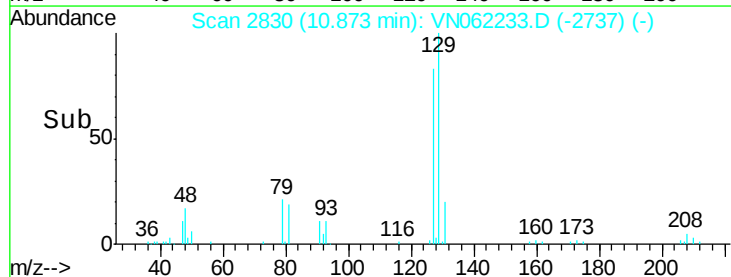
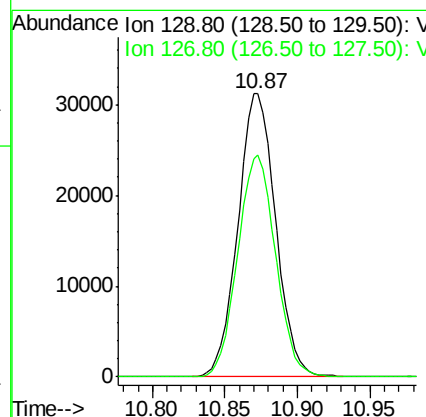
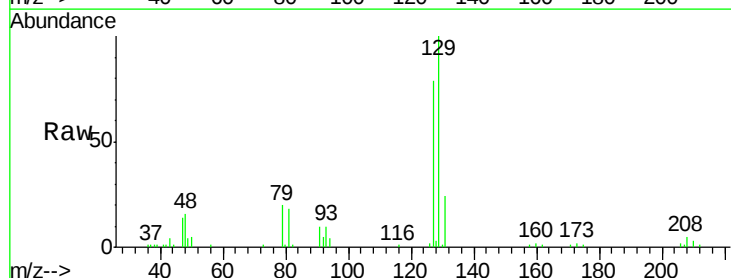
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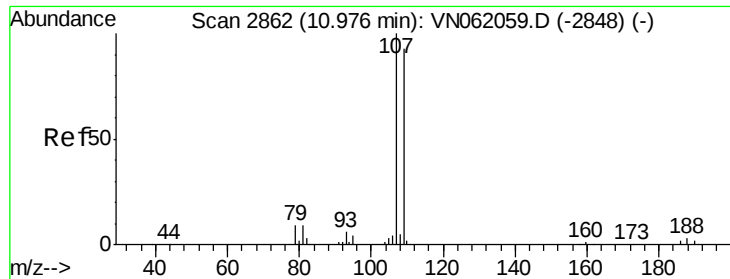
MMDadoda
7/1/2020 10:16:40 AM



#60
Dibromochloromethane
Concen: 17.980 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Tgt Ion	129	Resp	56395
Ion Ratio	100	Lower	Upper
129	100		
127	78.5	39.5	118.5





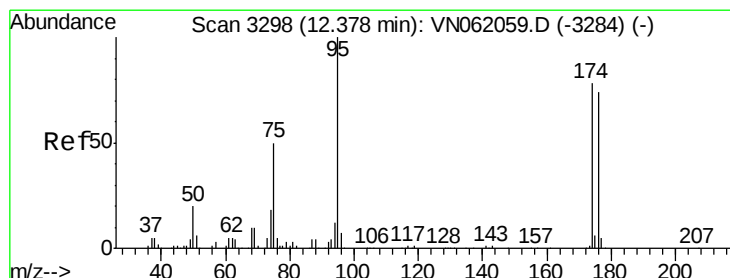
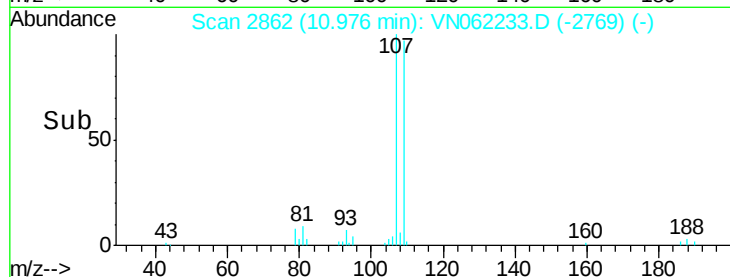
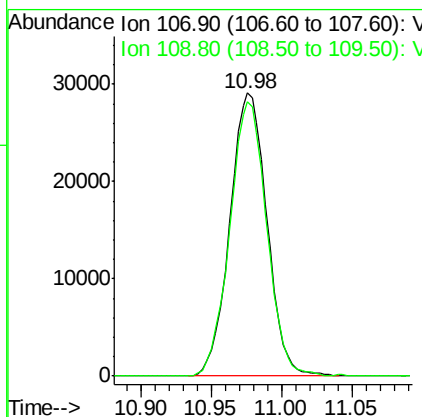
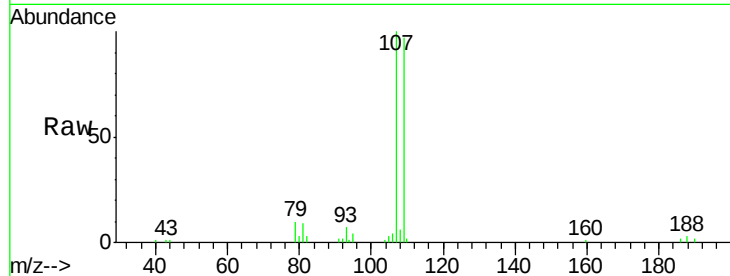
#61
 1,2-Dibromoethane
 Concen: 17.577 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630WBS01

Tot Ion: 107 Resp: 53506
 Ion Ratio Lower Upper
 107 100
 109 96.6 75.0 112.6

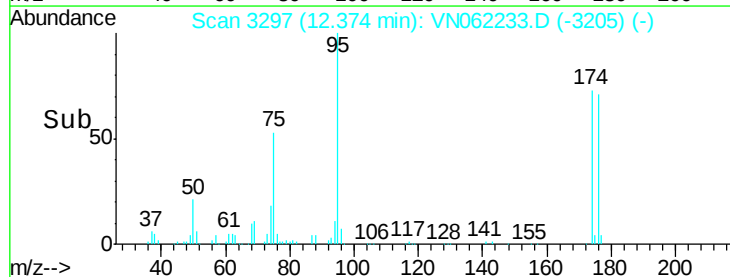
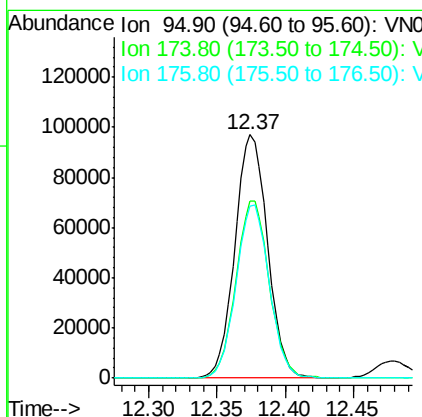
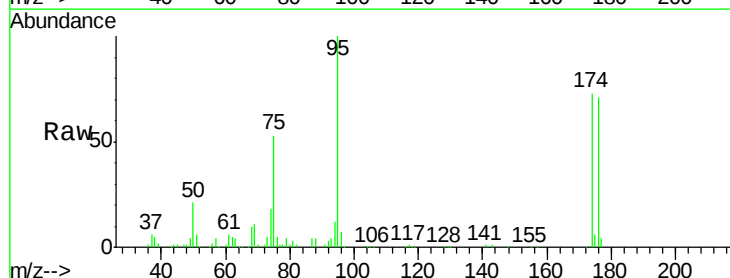
Manual Integrations
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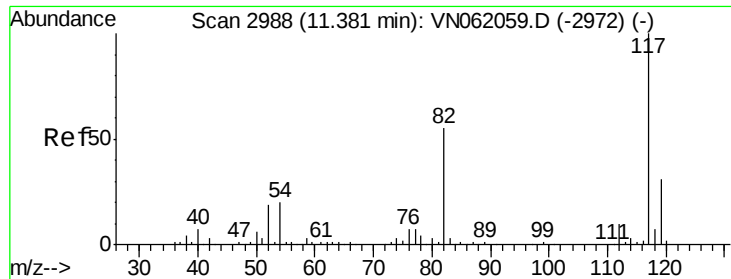
MMDadoda
 7/1/2020 10:16:40 AM



#62
 4-Bromofluorobenzene
 Concen: 46.313 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Tgt Ion: 95 Resp: 161781
 Ion Ratio Lower Upper
 95 100
 174 74.2 0.0 154.8
 176 72.1 0.0 147.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2987

Delta R.T. -0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Instrument :

MSVOA_N

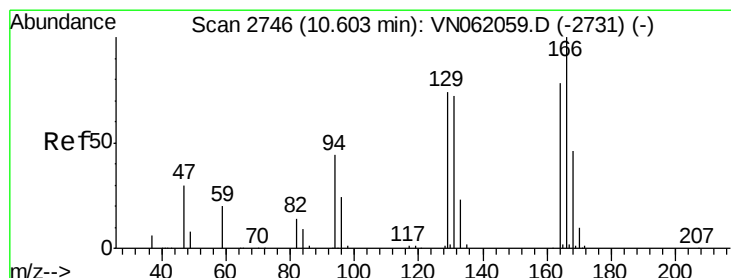
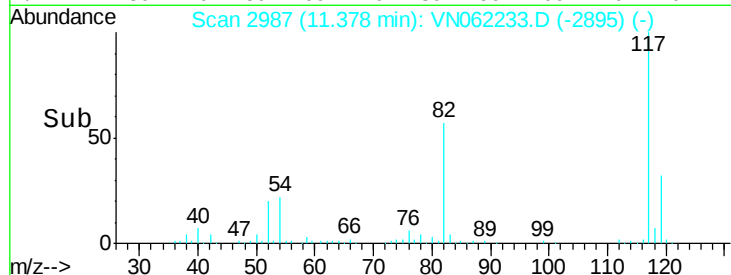
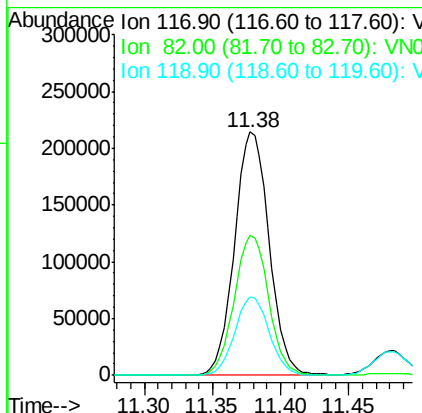
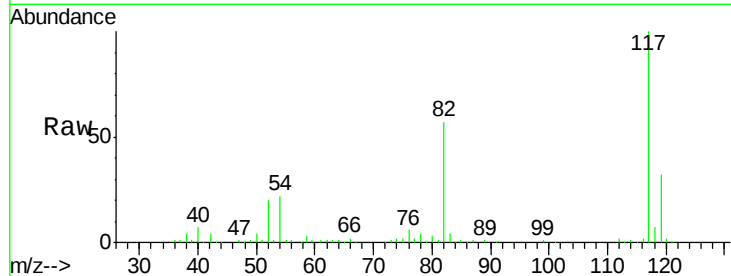
ClientSampleId :

VN0630WBS01

Tot Ion:	117	Resp:	377165
Ion Ratio	Lower	Upper	
117	100		
82	57.4	43.8	65.8
119	32.1	25.2	37.8

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#64

Tetrachloroethene

Concen: 16.259 ug/l

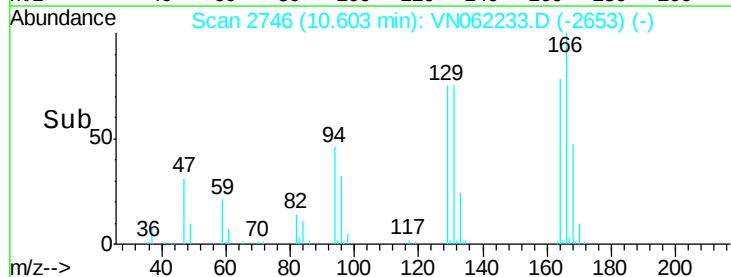
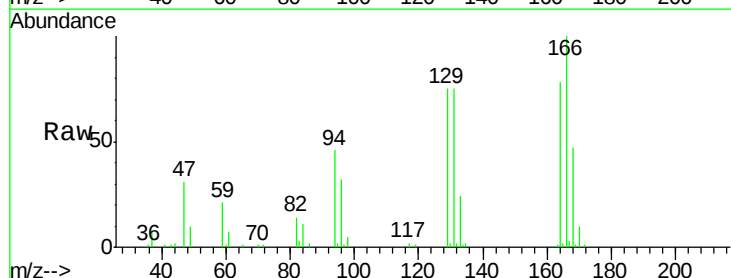
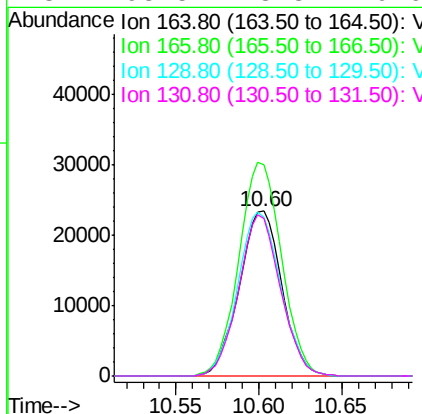
RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Tgt Ion:	164	Resp:	41889
Ion Ratio	Lower	Upper	
164	100		
166	128.2	102.9	154.3
129	96.5	75.8	113.8
131	95.5	73.8	110.6





#65

Chlorobenzene

Concen: 17.901 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Instrument :

MSVOA_N

ClientSampled :

VN0630WBS01

Tot Ion:112 Resp: 148268

Ion Ratio Lower Upper

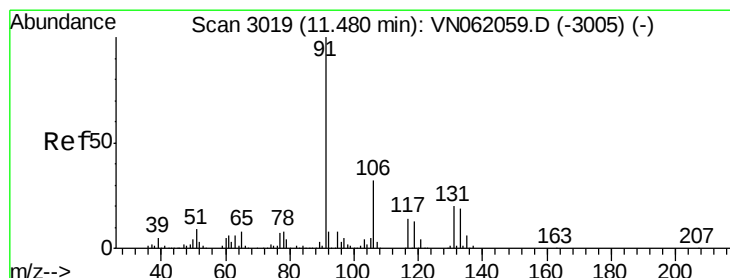
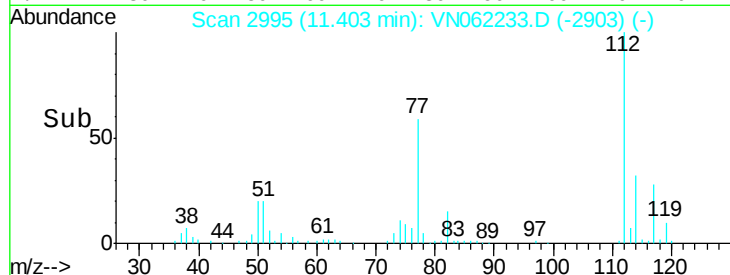
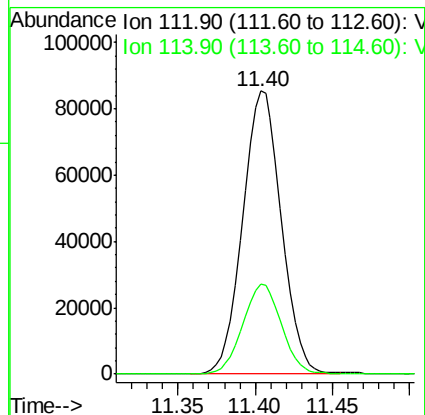
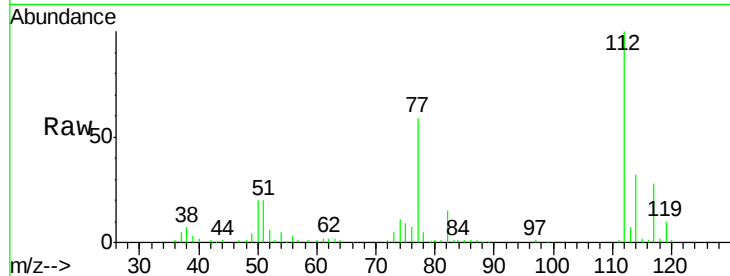
112 100

114 31.9 25.8 38.8

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 18.436 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

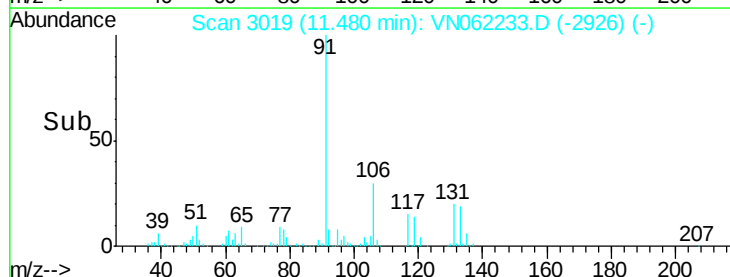
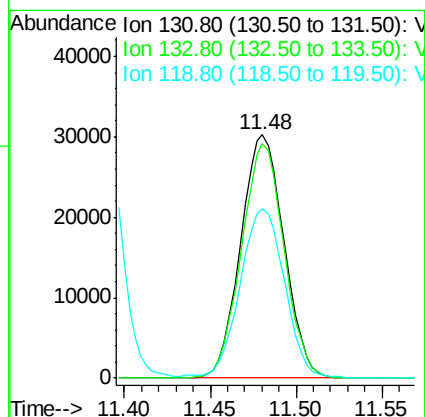
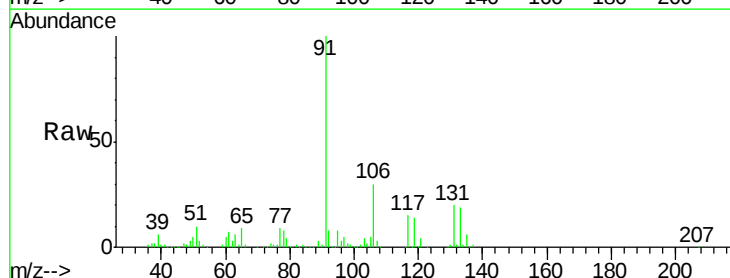
Tgt Ion:131 Resp: 52802

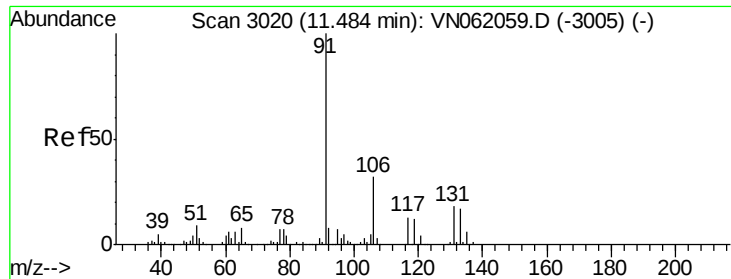
Ion Ratio Lower Upper

131 100

133 94.8 47.6 142.9

119 71.4 34.4 103.3





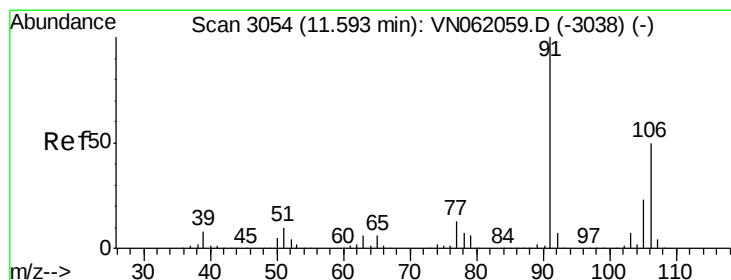
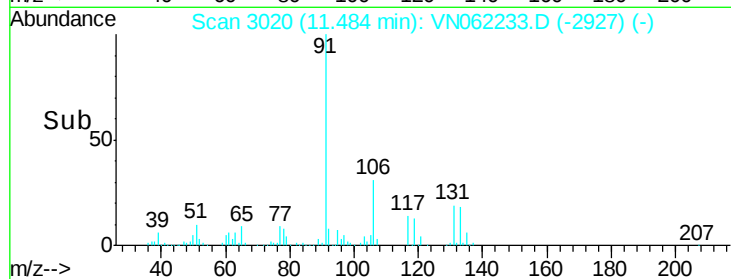
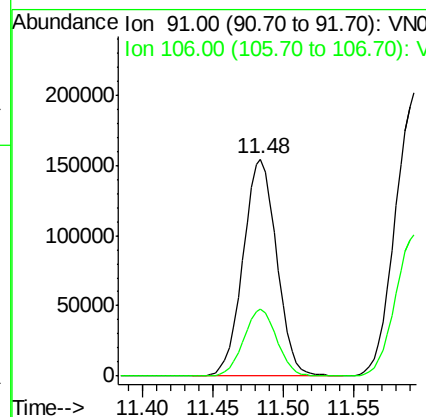
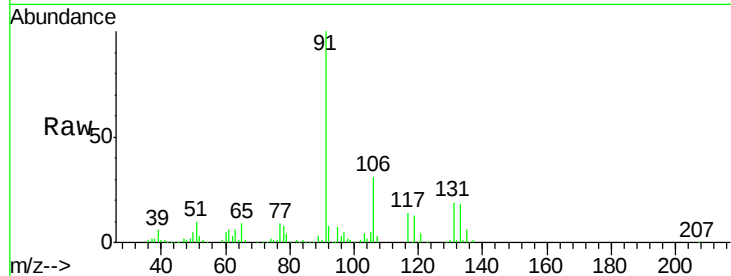
#67
Ethyl Benzene
Concen: 18.412 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Instrument :
MSVOA_N
ClientSampled :
VN0630WBS01

Tot Ion: 91 Resp: 257552
Ion Ratio Lower Upper
91 100
106 30.7 25.3 37.9

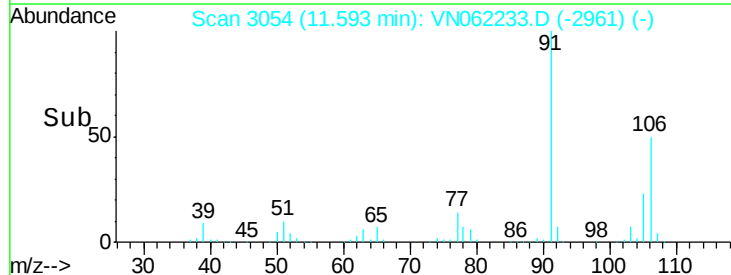
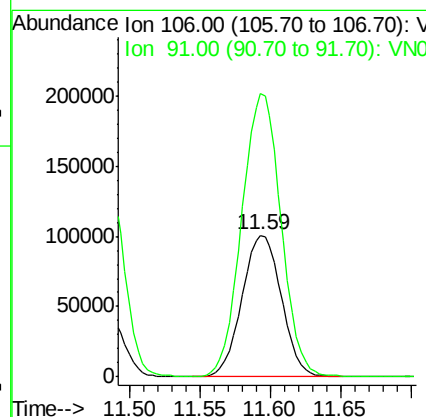
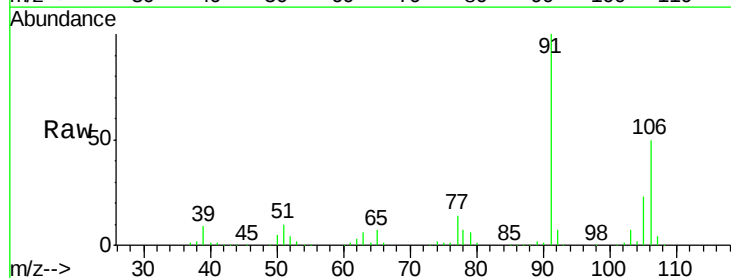
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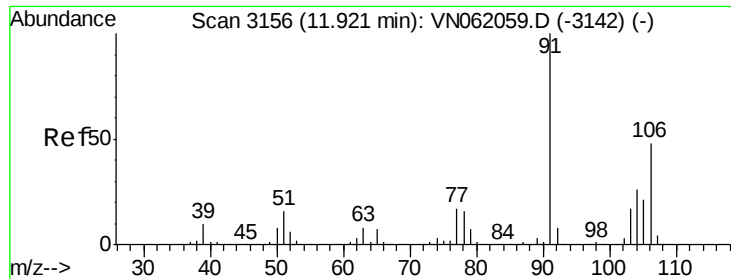
MMDadoda
7/1/2020 10:16:40 AM



#68
m/p-Xylenes
Concen: 36.601 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Tgt Ion: 106 Resp: 198026
Ion Ratio Lower Upper
106 100
91 198.4 157.8 236.8





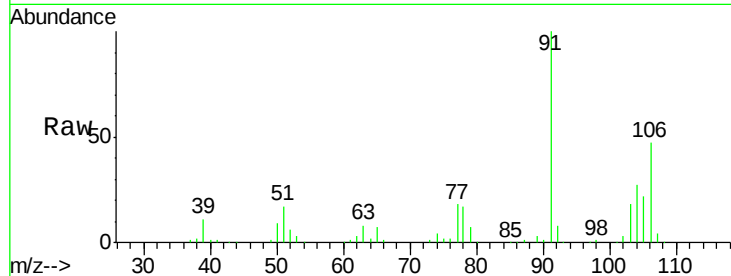
#69
o-Xylene
Concen: 17.812 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Instrument :
MSVOA_N
ClientSampled :
VN0630WBS01

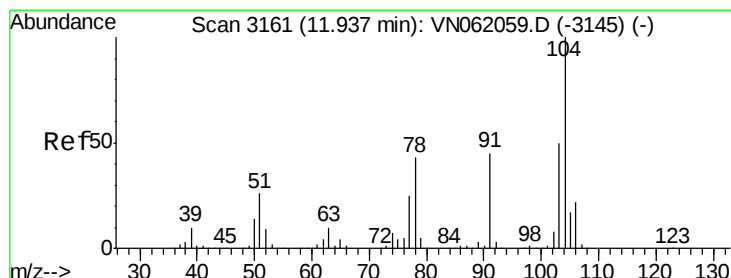
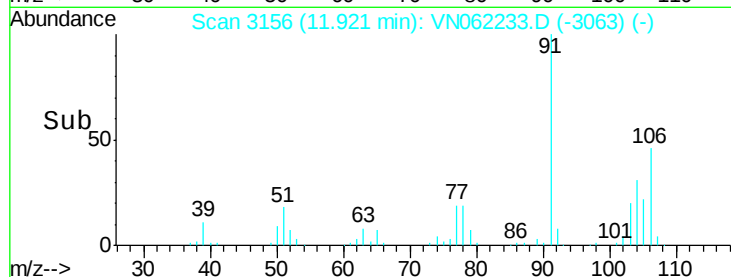
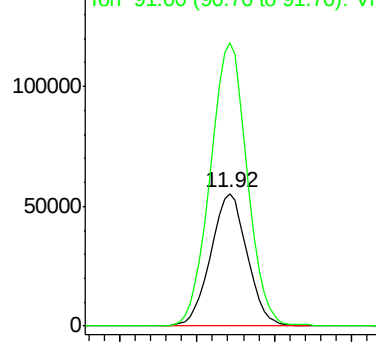
Tot Ion:106 Resp: 90929
Ion Ratio Lower Upper
106 100
91 215.7 104.0 311.9

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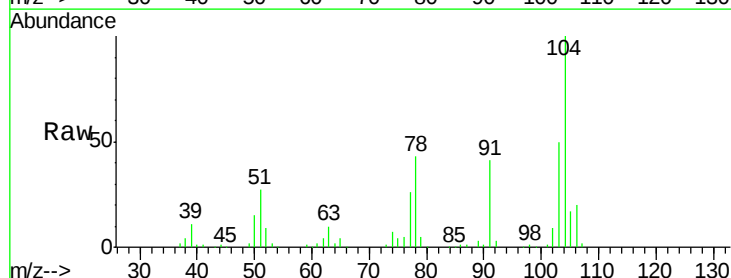


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

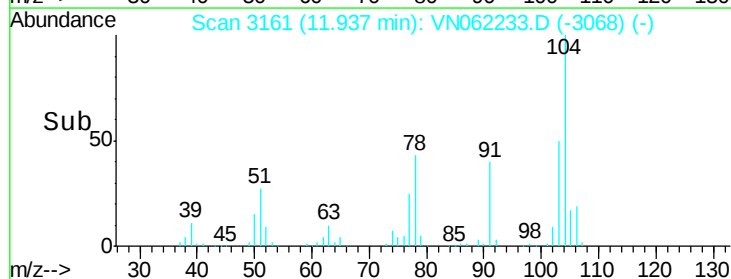
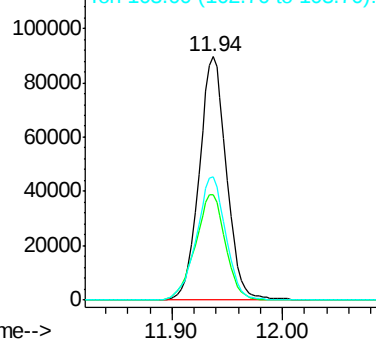


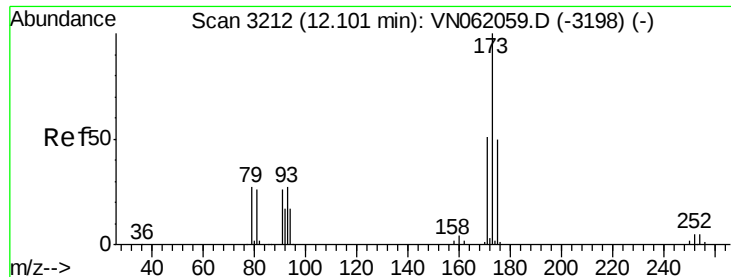
#70
Styrene
Concen: 17.983 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Tgt Ion:104 Resp: 153099
Ion Ratio Lower Upper
104 100
78 48.0 37.7 56.5
103 54.4 43.0 64.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 16.850 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Instrument :

MSVOA_N

ClientSampled :

VN0630WBS01

Tot Ion:173 Resp: 34313

Ion Ratio Lower Upper

173 100

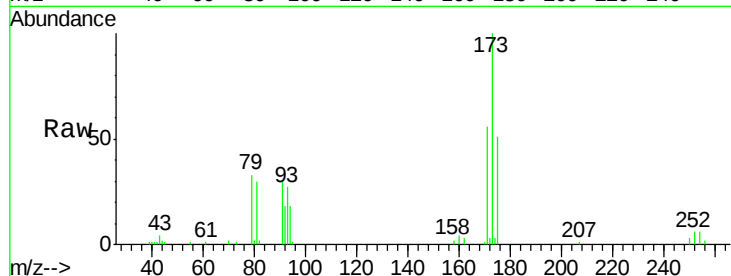
175 49.0 24.7 74.1

254 0.0 0.0 0.0

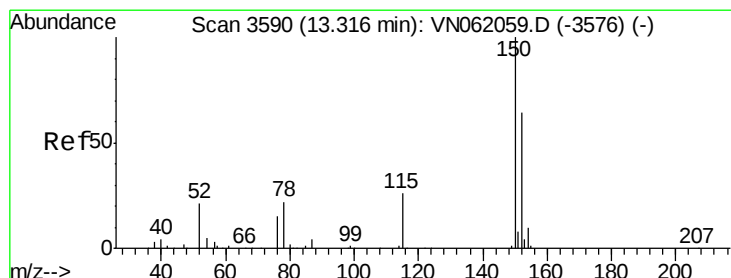
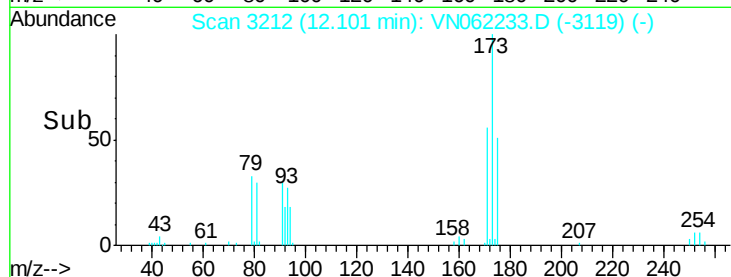
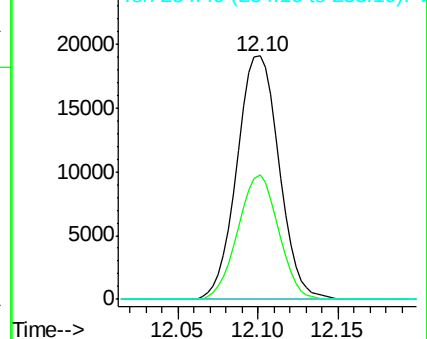
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

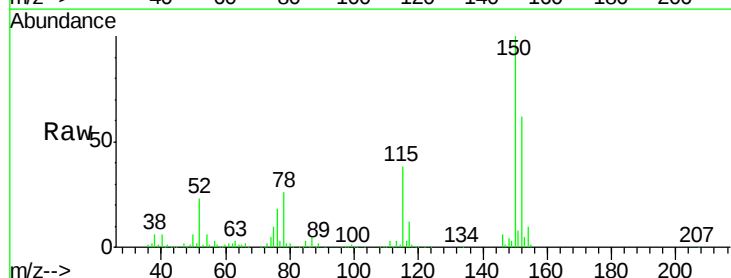
Tgt Ion:152 Resp: 166587

Ion Ratio Lower Upper

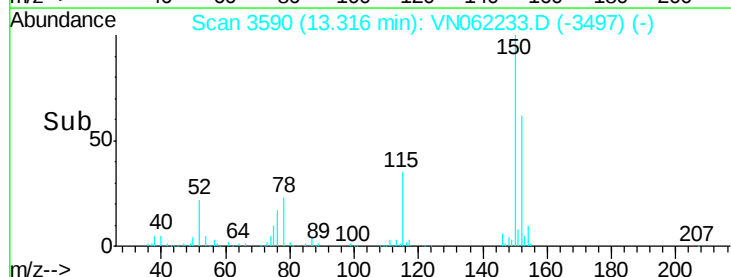
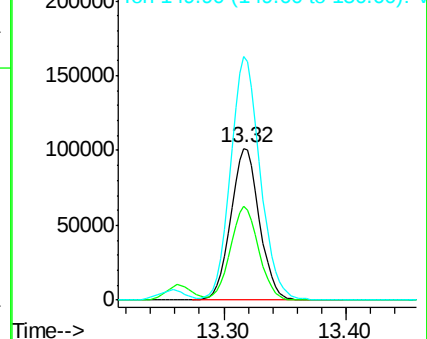
152 100

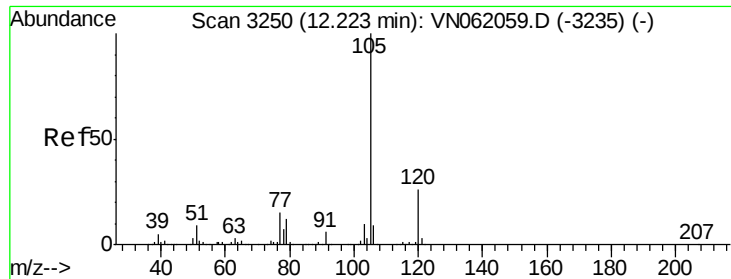
115 61.2 29.5 88.5

150 164.3 0.0 351.4



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





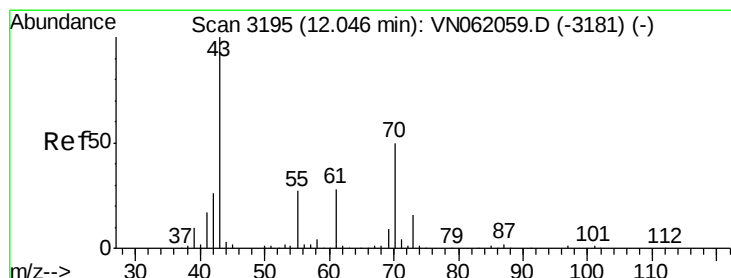
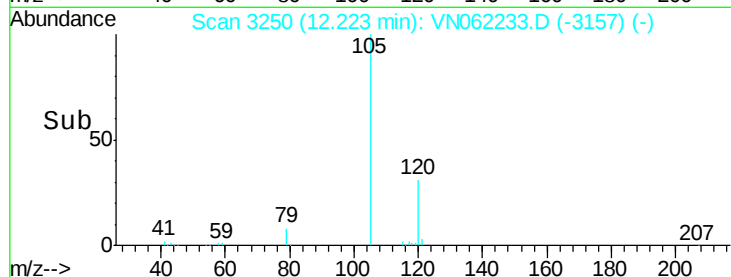
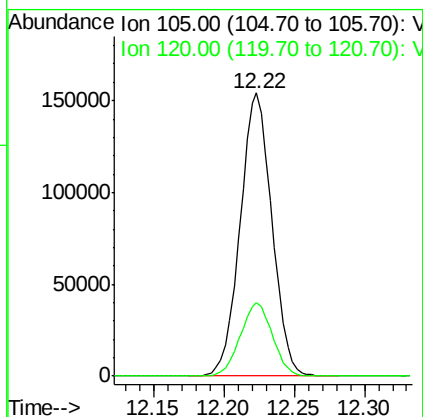
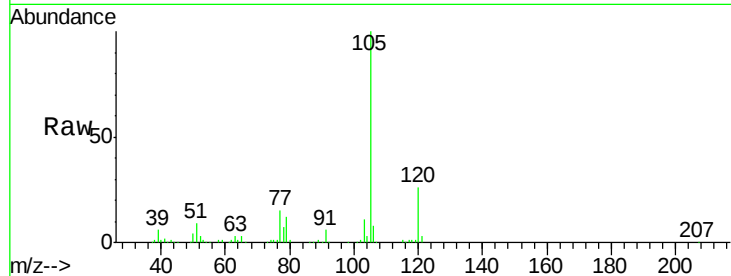
#73
Isopropylbenzene
Concen: 18.863 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Instrument :
MSVOA_N
ClientSampled :
VN0630WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.6

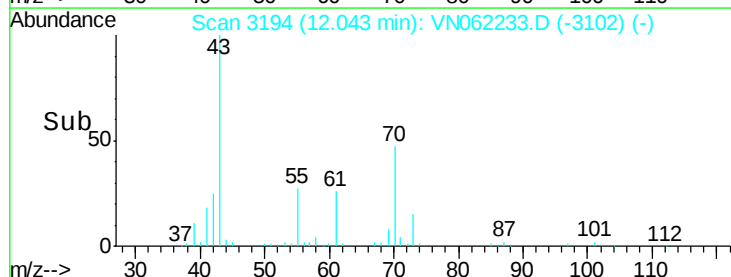
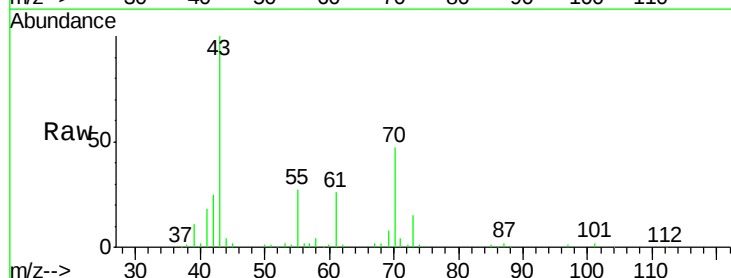
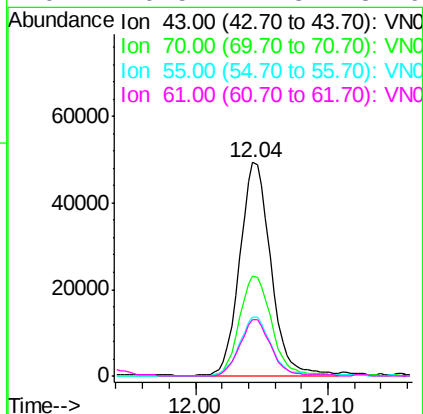
Manual Integrations
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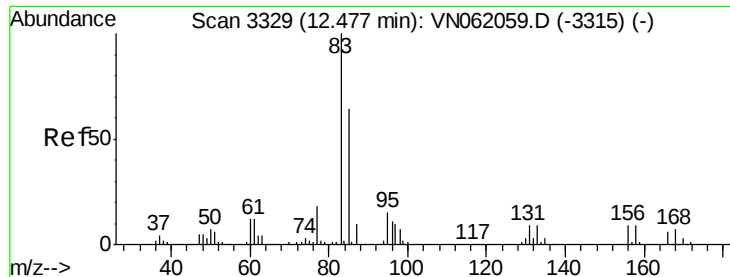
MMDadoda
7/1/2020 10:16:40 AM



#74
N-ethyl acetate
Concen: 19.265 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.4	39.4	59.2
55	28.2	21.7	32.5
61	26.5	21.3	31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.277 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Instrument :

MSVOA_N

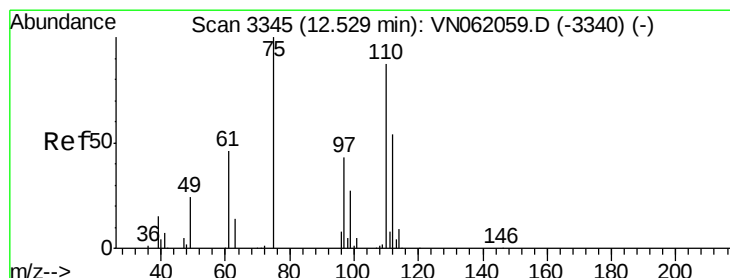
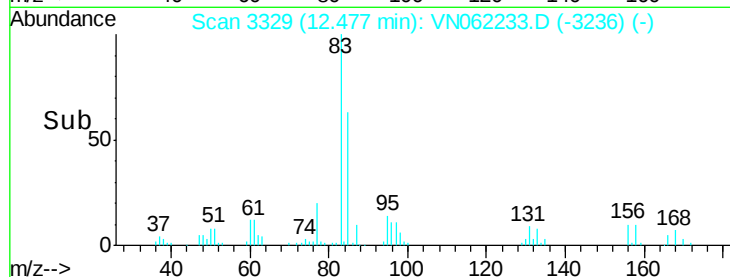
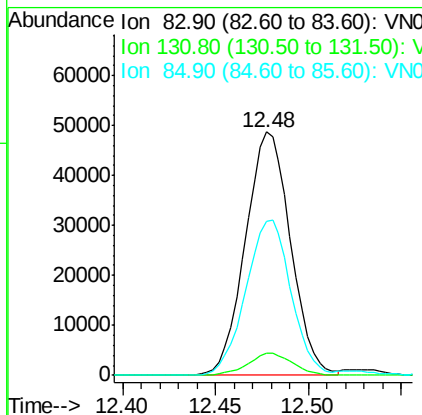
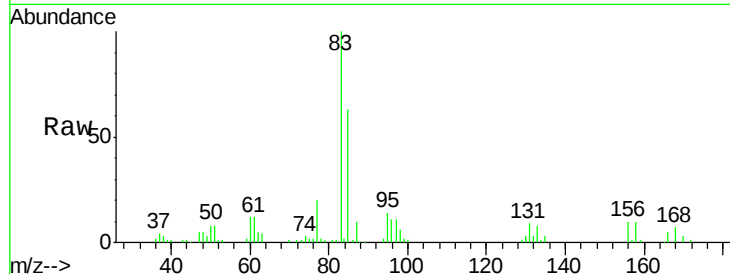
ClientSampled :

VN0630WBS01

Tot Ion:	83	Resp:	82720
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.8	14.4
85	63.9	32.4	97.0

Manual Integrations
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7/1/2020 10:16:40 AM



#76

1,2,3-Trichloropropane

Concen: 18.148 ug/l m

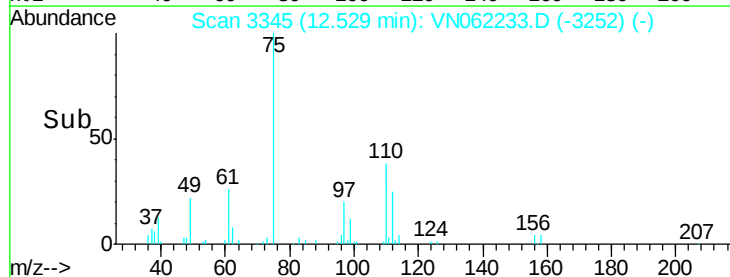
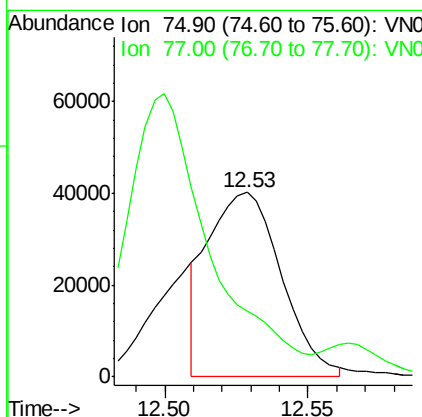
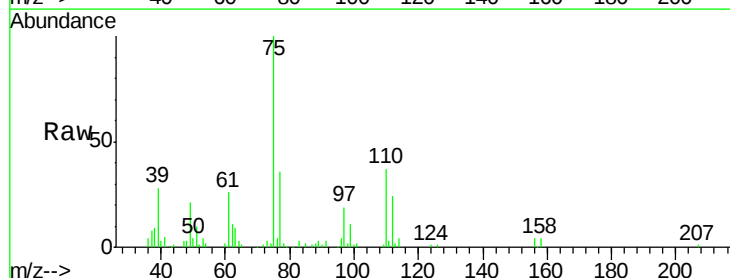
RT: 12.53 min Scan# 3345

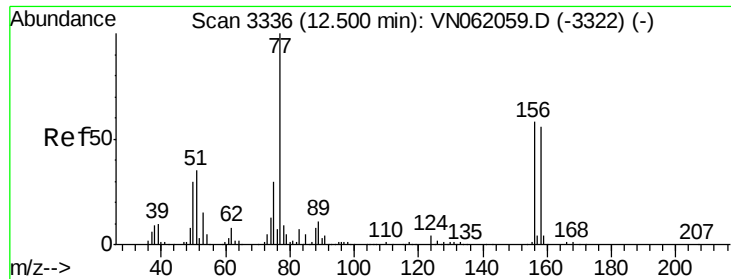
Delta R.T. -0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Tgt Ion:	75	Resp:	71169
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





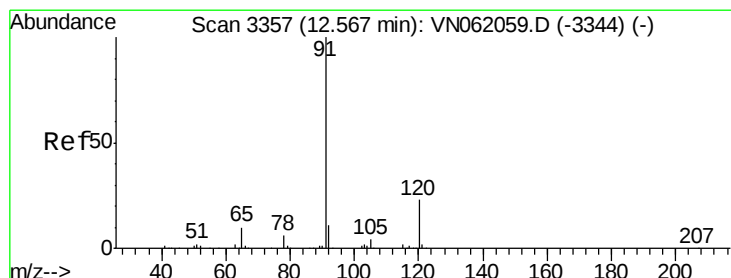
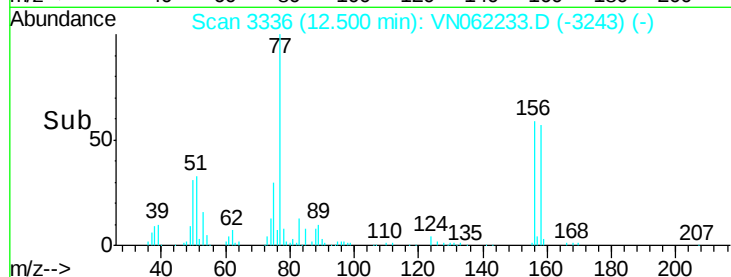
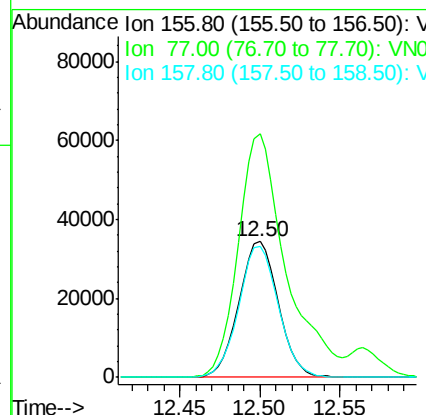
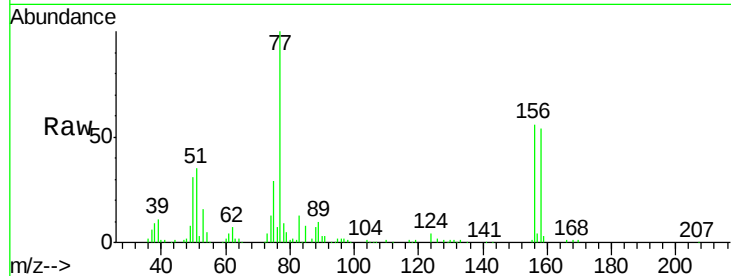
#77
Bromobenzene
Concen: 17.979 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Instrument :
MSVOA_N
ClientSampled :
VN0630WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	218.7	104.6	313.8
158	97.3	48.0	144.0

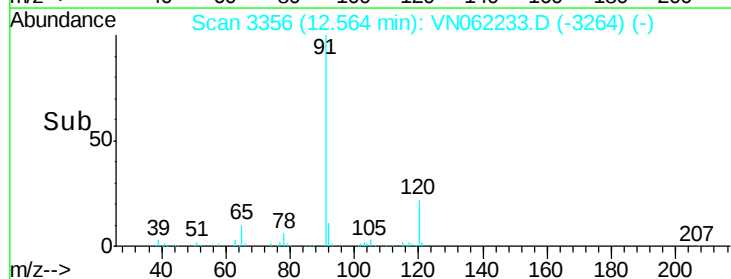
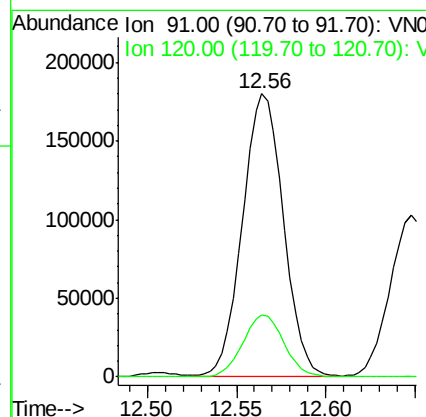
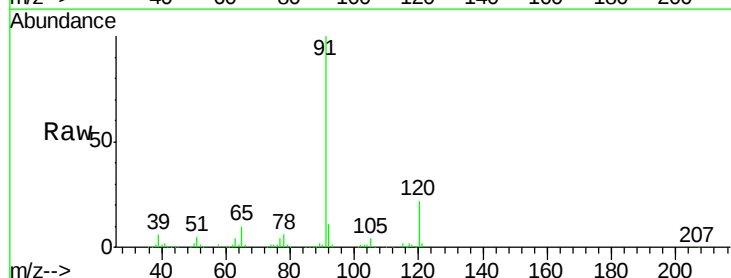
Manual Integrations
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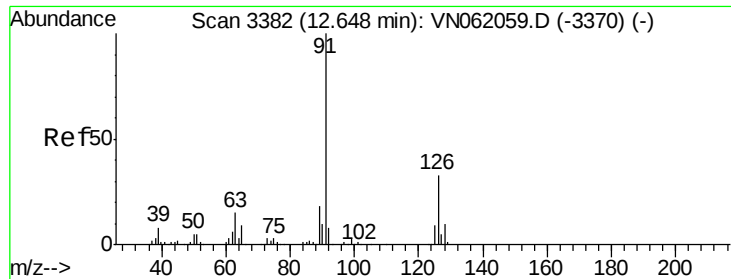
MMDadoda
7/1/2020 10:16:40 AM



#78
n-propylbenzene
Concen: 19.334 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. -0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.4	34.1





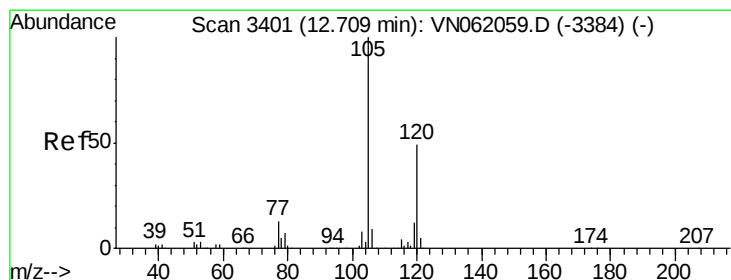
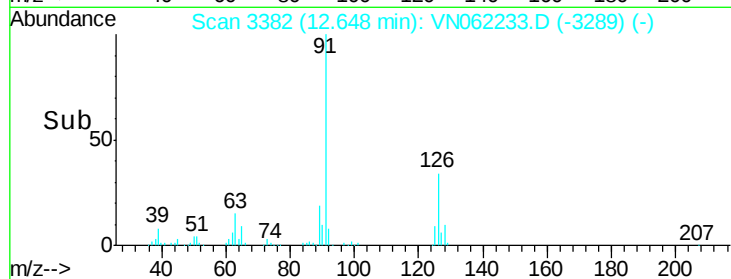
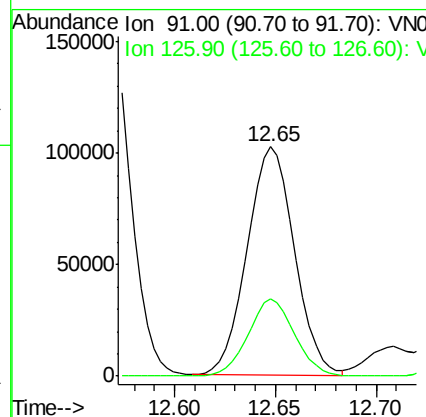
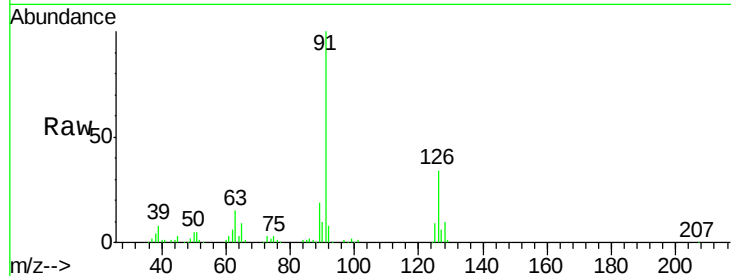
#79
 2-Chlorotoluene
 Concen: 18.843 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630WBS01

Tot Ion: 91 Resp: 168028
 Ion Ratio Lower Upper
 91 100
 126 33.1 16.9 50.7

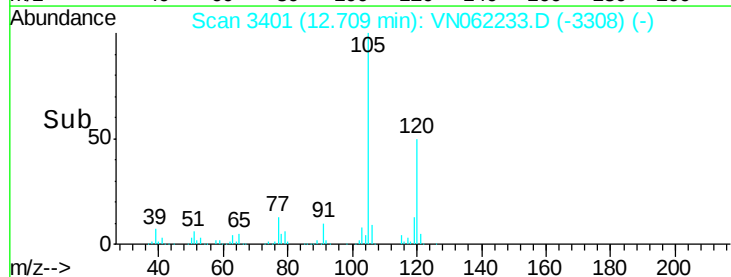
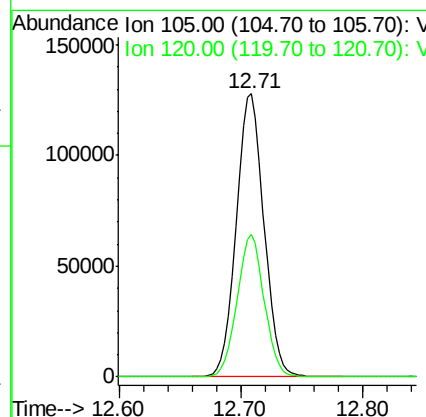
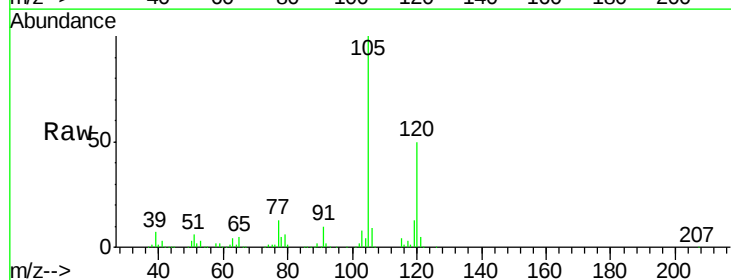
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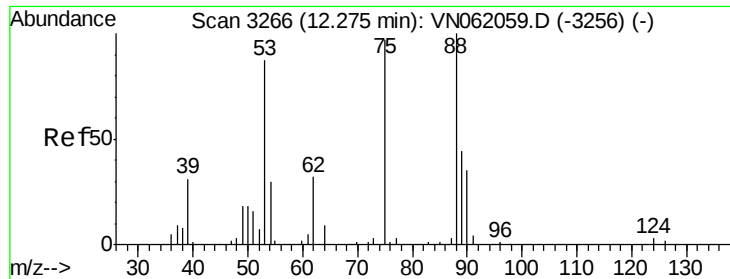
MMDadoda
 7/1/2020 10:16:40 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.330 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Tgt Ion: 105 Resp: 202068
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.452 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Instrument :

MSVOA_N

ClientSampled :

VN0630WBS01

Tot Ion: 75 Resp: 23435

Ion Ratio Lower Upper

75 100

53 101.5 72.0 108.0

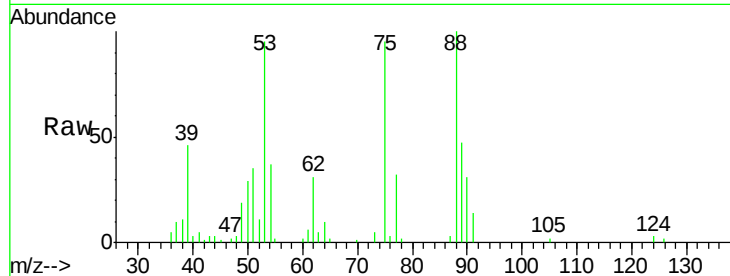
89 47.2 36.9 55.3

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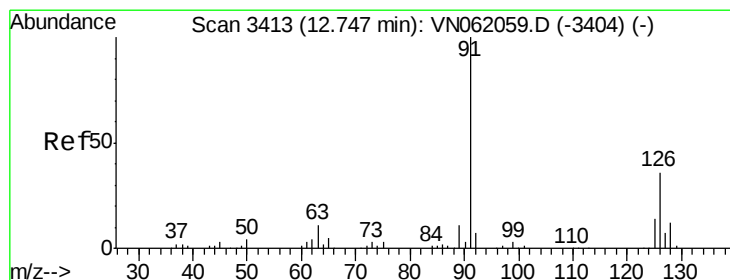
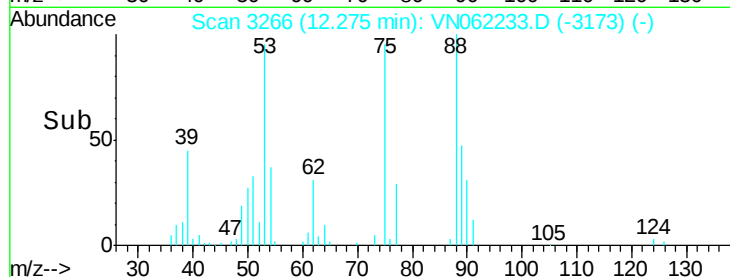
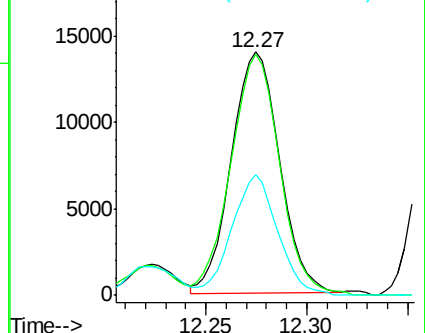
7/1/2020 10:16:40 AM



Abundance Ion 74.90 (74.60 to 75.60): VN062233.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062233.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062233.D (-3173) (-)



#82

4-Chlorotoluene

Concen: 18.463 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062233.D

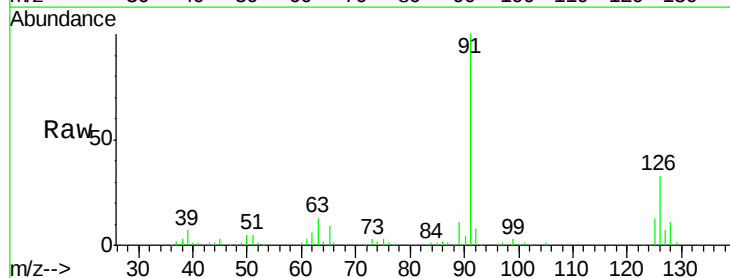
Acq: 30 Jun 2020 12:26

Tgt Ion: 91 Resp: 170251

Ion Ratio Lower Upper

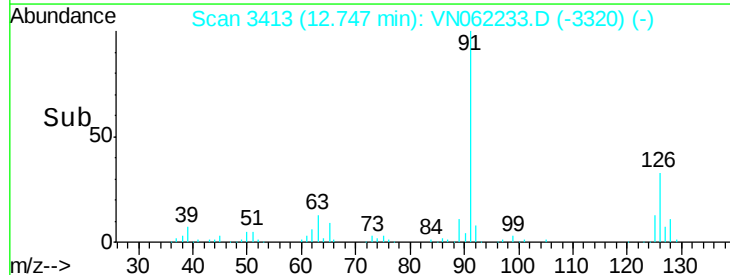
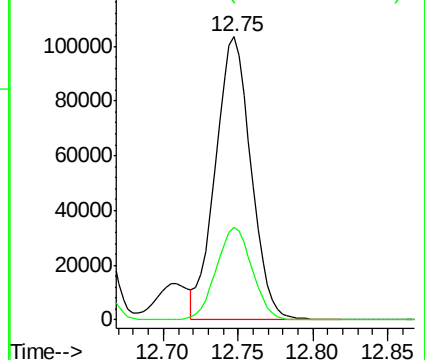
91 100

126 33.3 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN062233.D (-3320) (-)

Ion 125.90 (125.60 to 126.60): VN062233.D (-3320) (-)





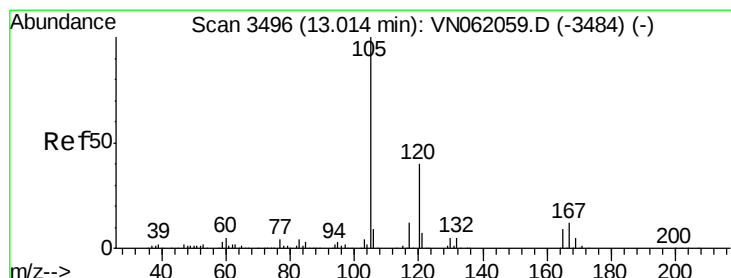
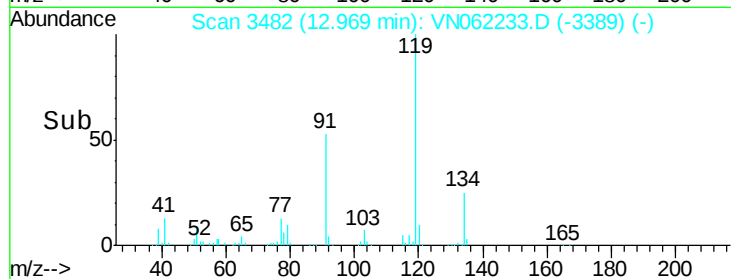
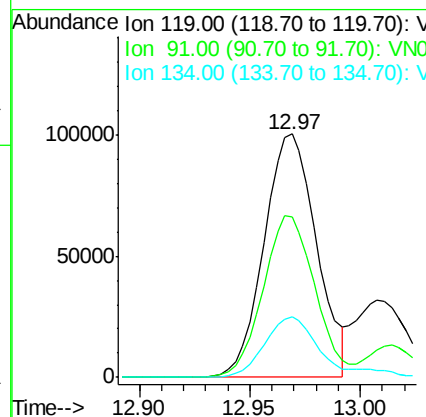
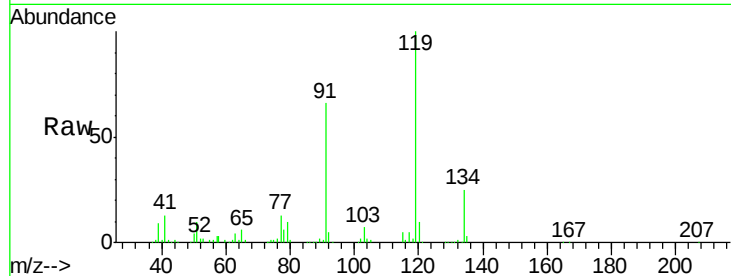
#83
 tert-Butylbenzene
 Concen: 18.549 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	165946		
91	65.3		31.7	95.1
134	27.1		13.1	39.1

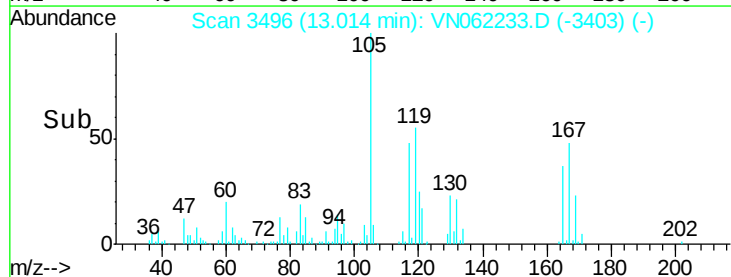
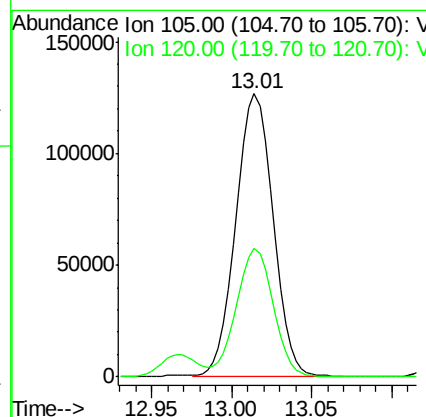
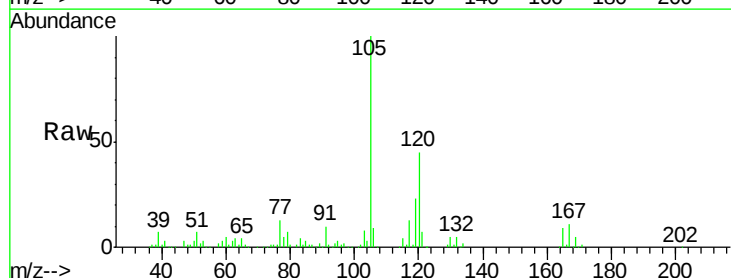
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.170 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	200146		
120	45.3		23.2	69.5





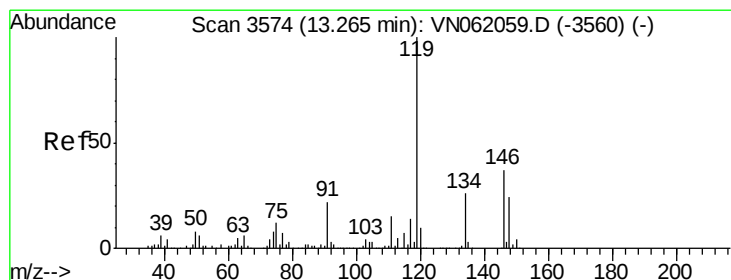
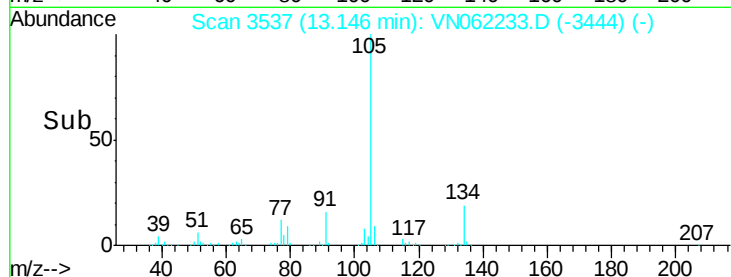
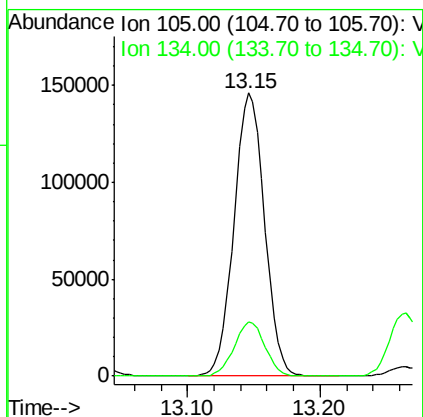
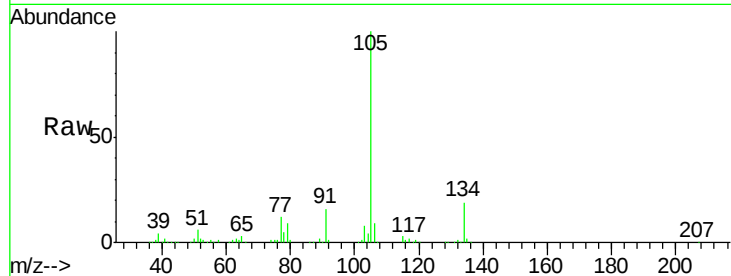
#85
 sec-Butylbenzene
 Concen: 19.717 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	29.1

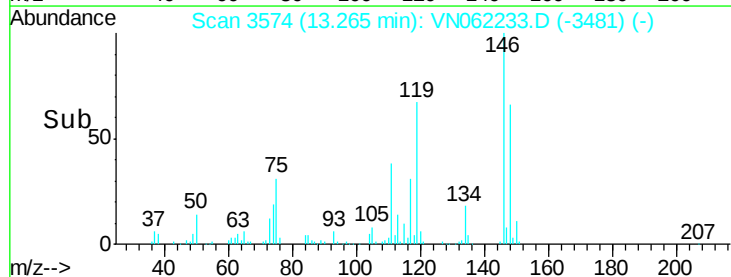
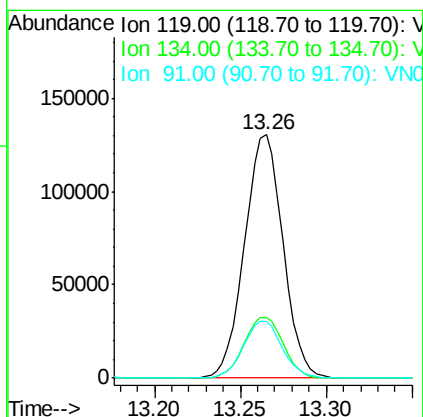
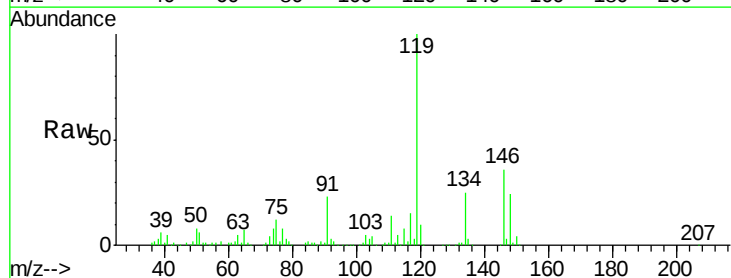
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 19.534 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	39.0
91	23.6	11.3	33.8





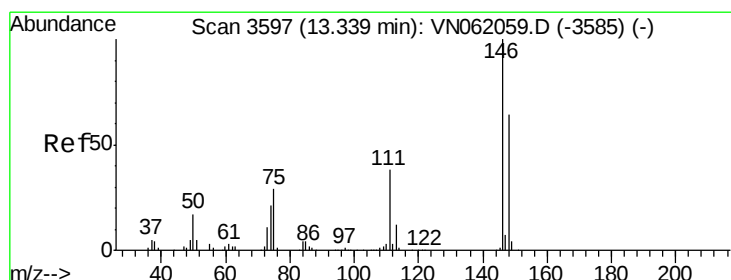
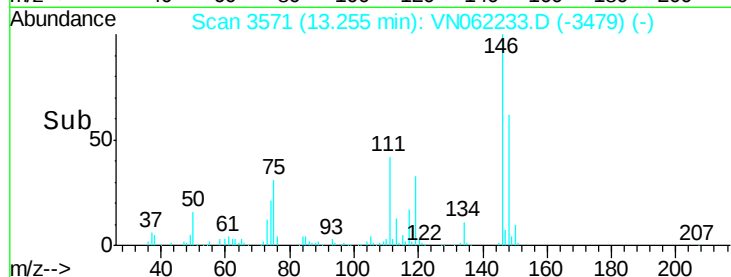
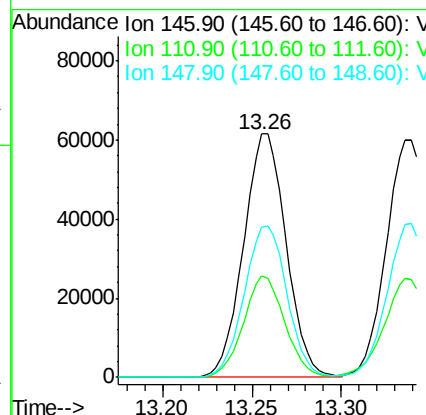
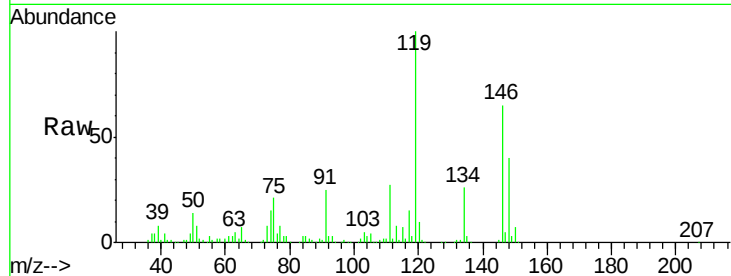
#87
 1,3-Dichlorobenzene
 Concen: 18.224 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	61.0
148	62.8	31.8	95.3

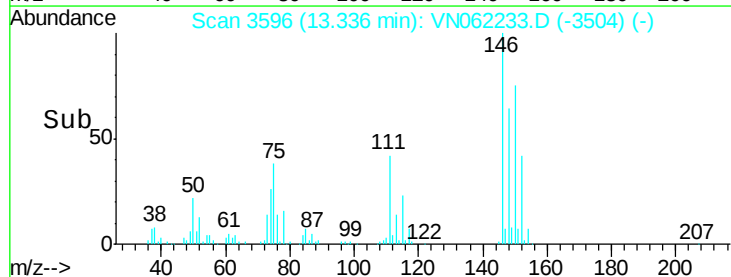
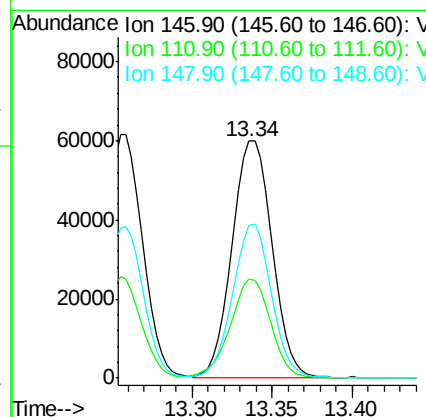
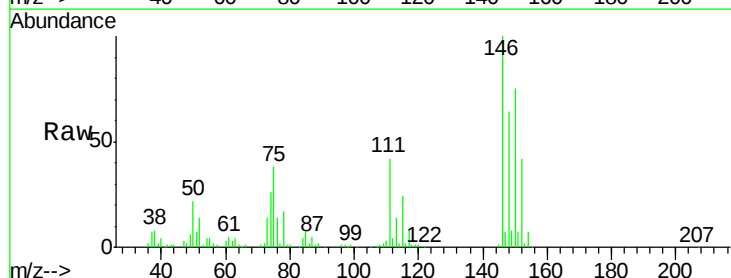
Manual Integrations
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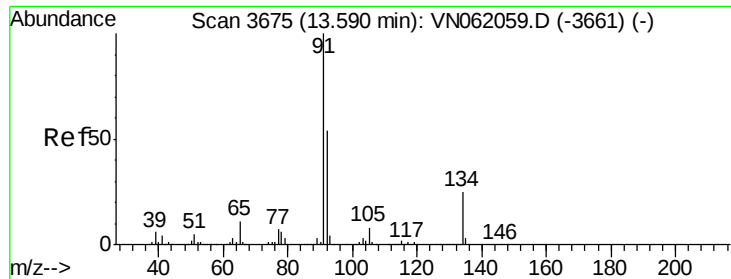
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#88
 1,4-Dichlorobenzene
 Concen: 17.587 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	19.9	59.6
148	63.4	31.9	95.9





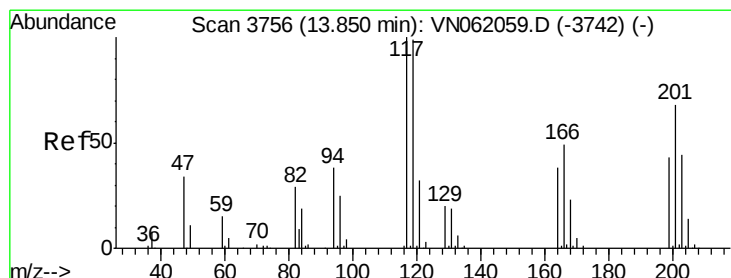
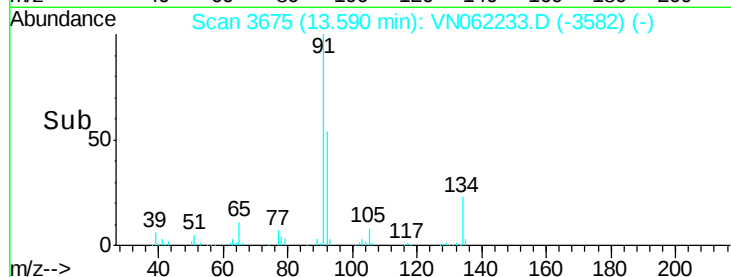
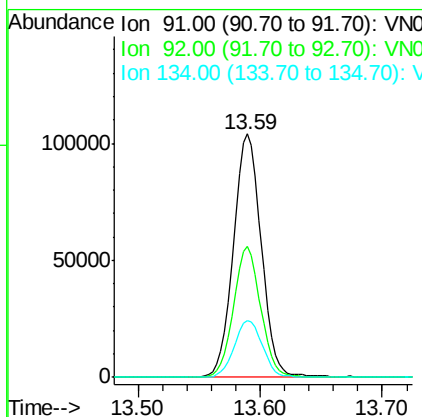
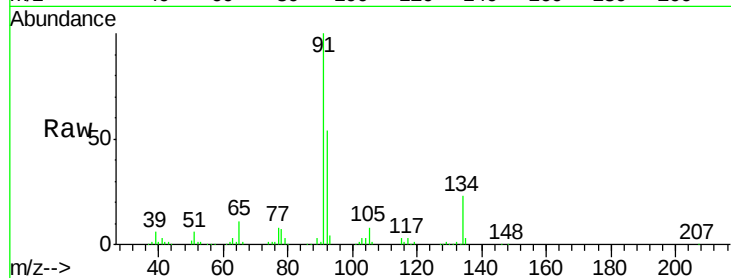
#89
n-Butylbenzene
Concen: 19.150 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0630WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.6	79.7
134	23.7	12.3	36.9

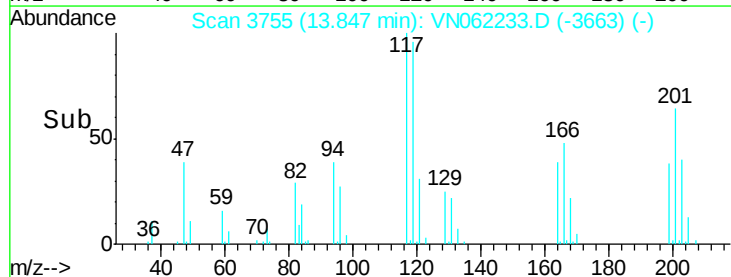
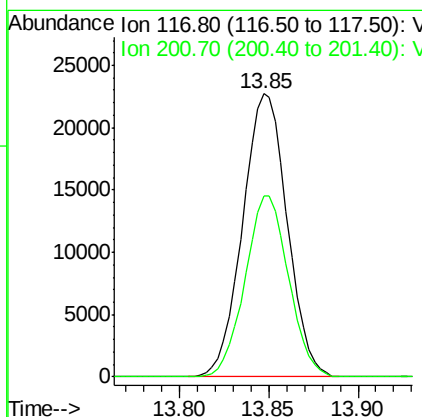
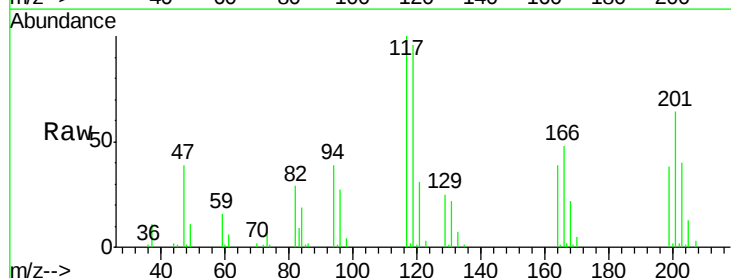
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#90
Hexachloroethane
Concen: 19.443 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062233.D
Acq: 30 Jun 2020 12:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.5	32.7	98.1





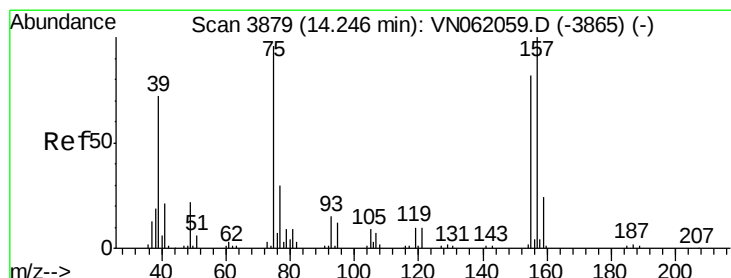
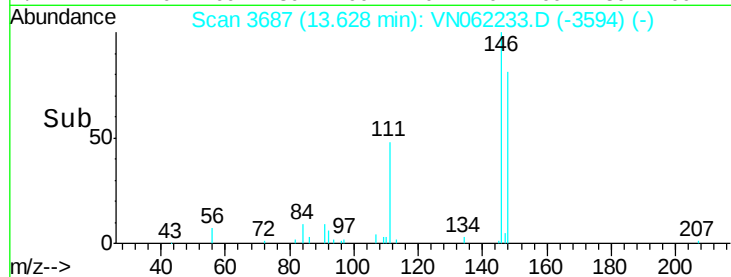
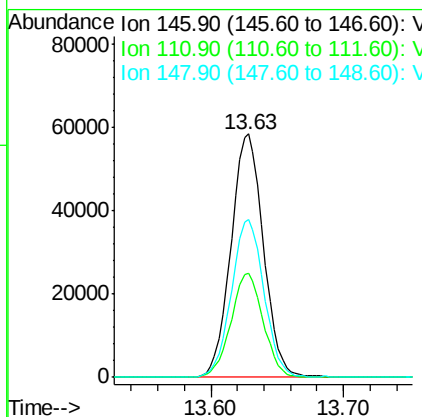
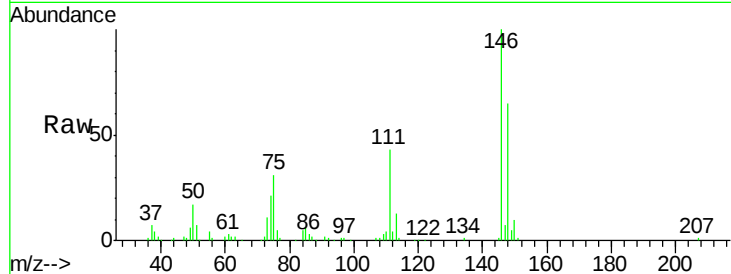
#91
 1,2-Dichlorobenzene
 Concen: 18.195 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	65.0	31.9	95.5

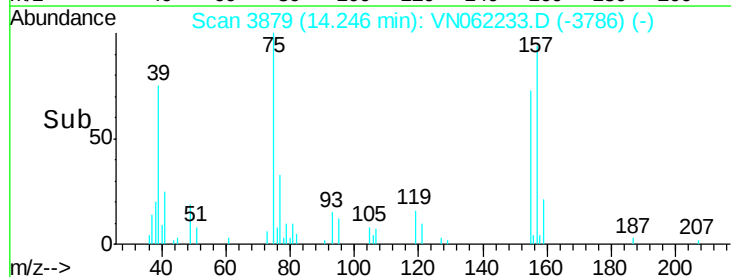
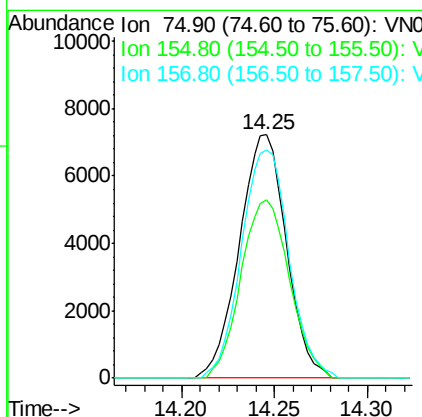
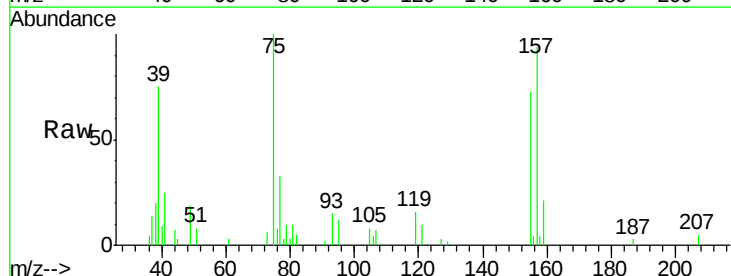
Manual Integrations
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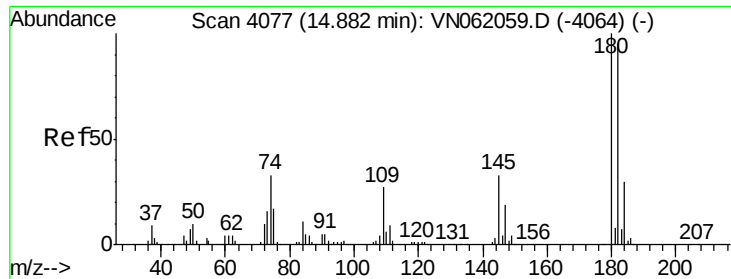
MMDadoda
 7/1/2020 10:16:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.613 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.4	40.8	122.4
157	95.0	51.4	154.3





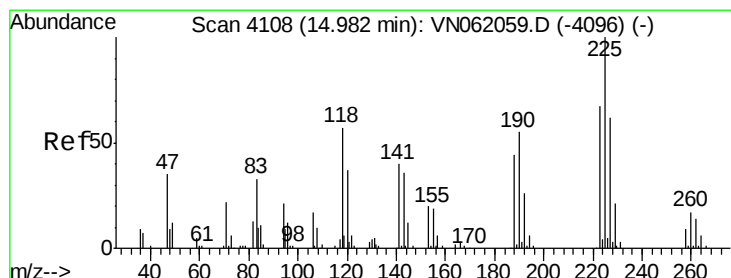
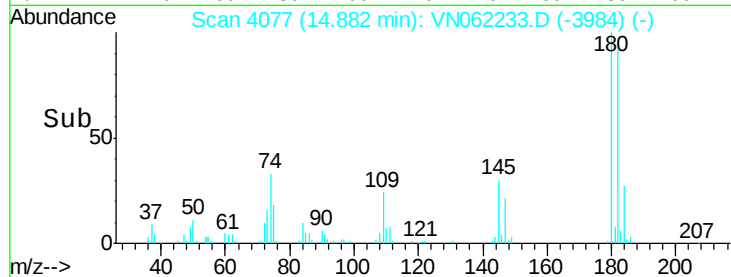
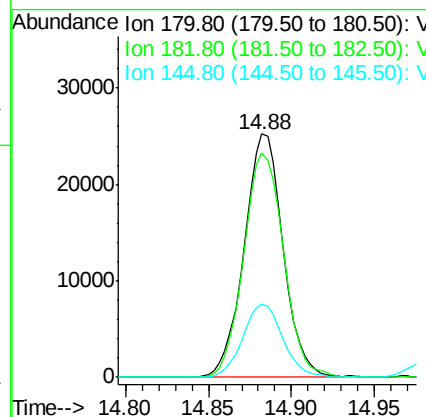
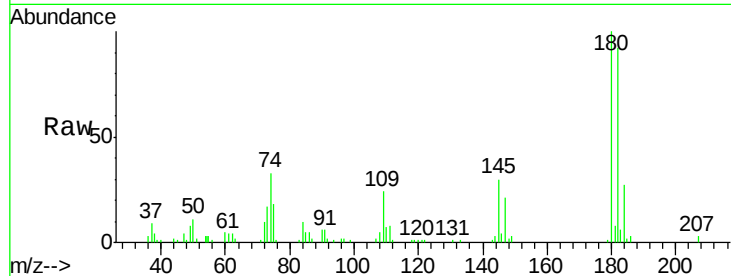
#93
 1,2,4-Trichlorobenzene
 Concen: 17.312 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.0	144.2
145	30.9	16.0	48.0

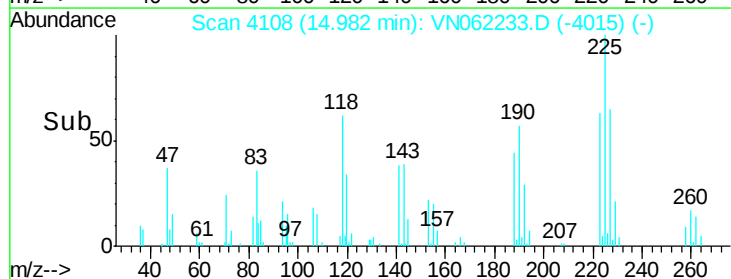
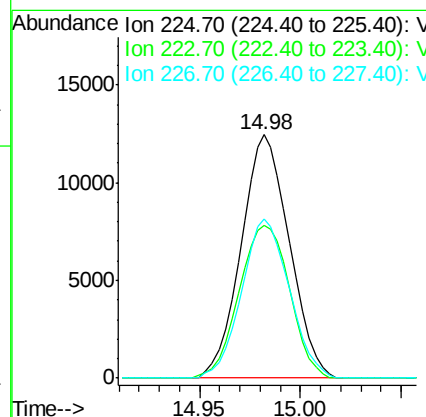
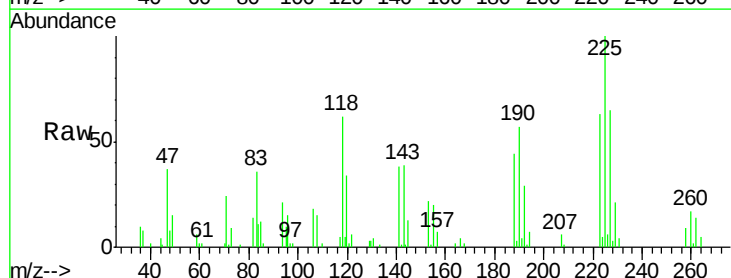
Manual Integrations
 APPROVED

MMDadoda
 7/1/2020 10:16:40 AM



#94
 Hexachlorobutadiene
 Concen: 20.090 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062233.D
 Acq: 30 Jun 2020 12:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	32.9	98.7
227	64.8	31.3	93.8





#95

Naphthalene

Concen: 16.673 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Instrument :

MSVOA_N

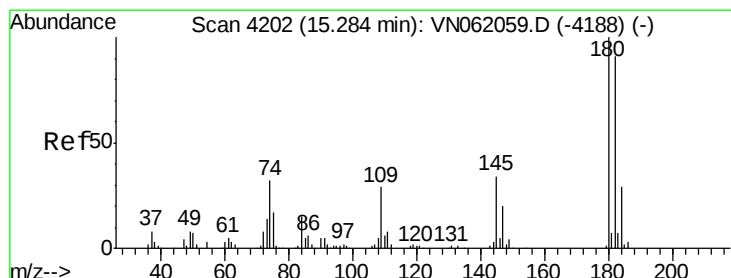
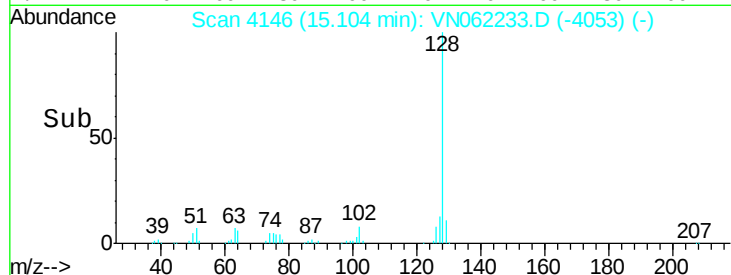
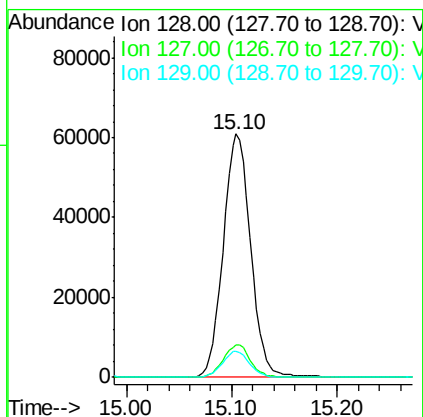
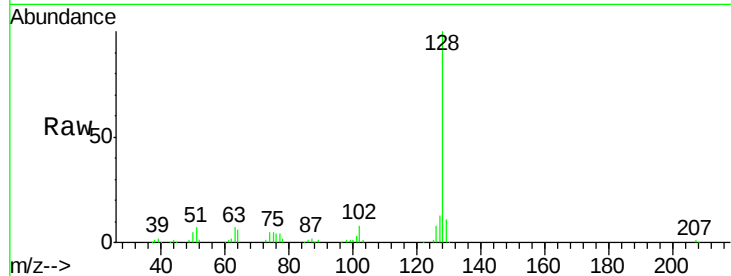
ClientSampleId :

VN0630WBS01

Tot Ion:	128	Resp:	109412
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/1/2020 10:16:40 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.440 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062233.D

Acq: 30 Jun 2020 12:26

Tgt Ion:	180	Resp:	42469
Ion Ratio	Lower	Upper	
180	100		
182	94.3	46.8	140.4
145	33.9	16.4	49.2

