

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040622\
 Data File : VD072550.D
 Acq On : 06 Apr 2022 14:39
 Operator : VA/SY
 Sample : N2267-01
 Misc : 3.47G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LINDEN-SOUTH

Quant Time: Apr 07 01:11:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

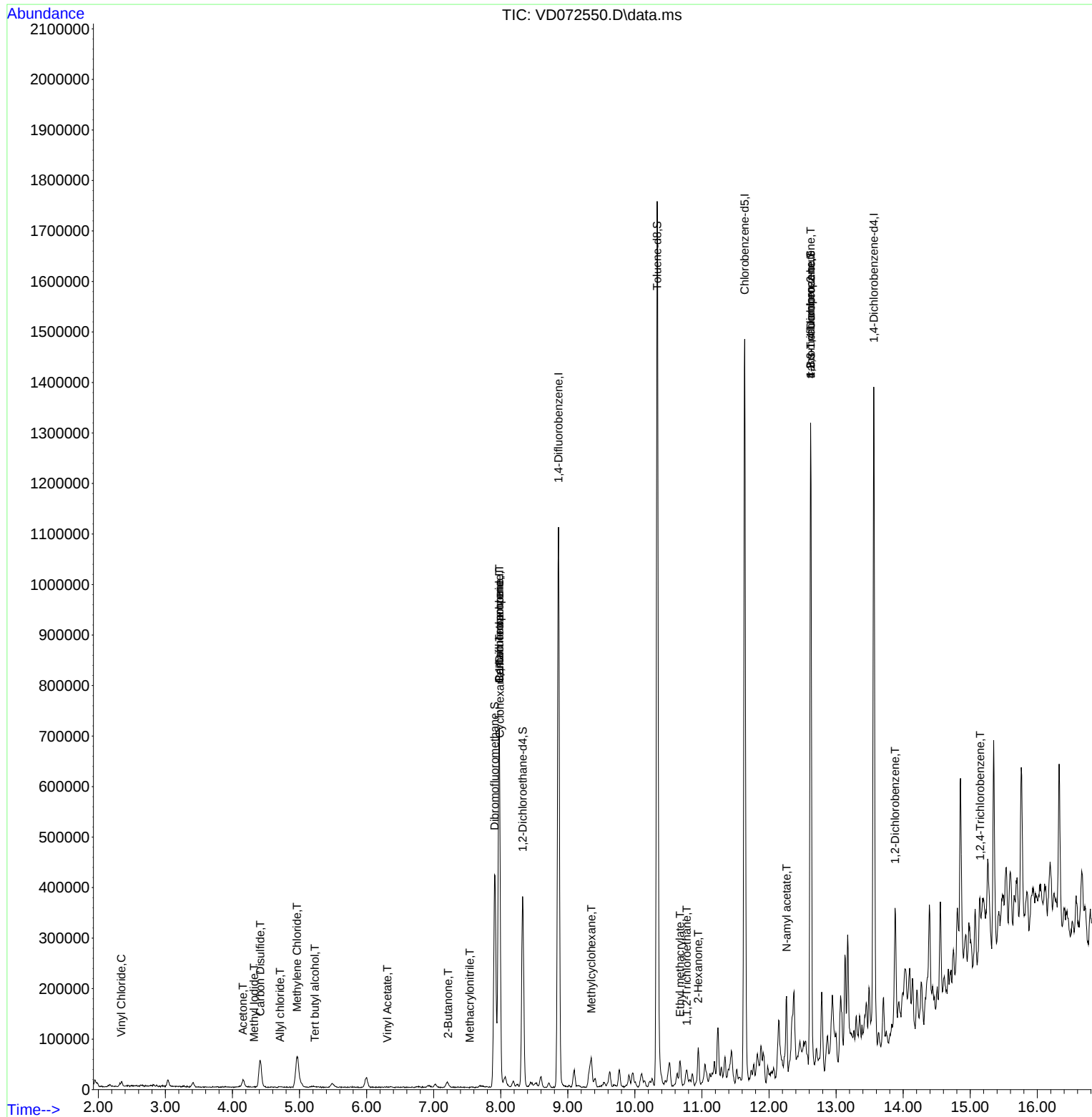
Internal Standards						
1) Pentafluorobenzene	7.979	168	515749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	947460	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	863057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	344789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	295573	47.375	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.760%		
35) Dibromofluoromethane	7.909	113	312412	42.429	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	84.860%		
50) Toluene-d8	10.332	98	1152970	45.047	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.100%		
62) 4-Bromofluorobenzene	12.620	95	381205	38.136	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	76.280%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.344	62	822	1.135	ug/l #	43
10) Methyl Iodide	4.320	142	937	3.888	ug/l #	88
11) Tert butyl alcohol	5.226	59	2503	7.597	ug/l #	74
14) Allyl chloride	4.709	41	769	1.219	ug/l #	60
16) Acetone	4.156	43	24302	20.889	ug/l #	83
17) Carbon Disulfide	4.415	76	117825	14.519	ug/l	99
20) Methylene Chloride	4.962	84	49321	7.121	ug/l #	84
23) Vinyl Acetate	6.309	43	516	6.339	ug/l #	75
25) 2-Butanone	7.214	43	8512	5.290	ug/l #	86
31) Cyclohexane	7.985	56	16638	2.039	ug/l #	43
36) 1,1-Dichloropropene	7.979	75	41551	5.441	ug/l #	53
38) Carbon Tetrachloride	7.979	117	53948	5.318	ug/l #	15
39) Methylcyclohexane	9.350	83	18470	4.465	ug/l #	83
41) Methacrylonitrile	7.538	41	97	1.699	ug/l #	27
55) 1,1,2-Trichloroethane	10.773	97	10861	1.909	ug/l #	24
56) Ethyl methacrylate	10.673	69	5112	1.904	ug/l #	5
59) 2-Hexanone	10.944	43	26454	9.688	ug/l #	31
74) N-amyl acetate	12.261	43	34217	5.857	ug/l #	64
76) 1,2,3-Trichloropropane	12.620	75	197093	52.412	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	197093	128.608	ug/l #	8
91) 1,2-Dichlorobenzene	13.879	146	25871	2.268	ug/l #	67
93) 1,2,4-Trichlorobenzene	15.149	180	21991	3.110	ug/l #	69

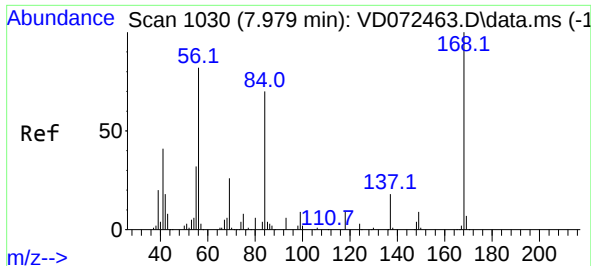
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 30 02:44:36 2022
Response via : Initial Calibration

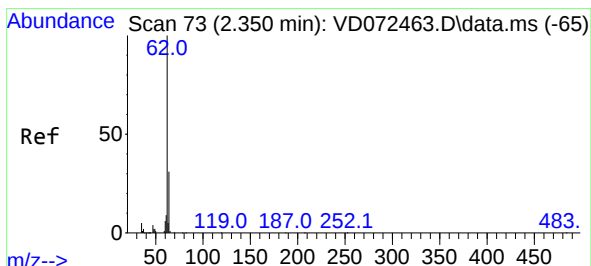
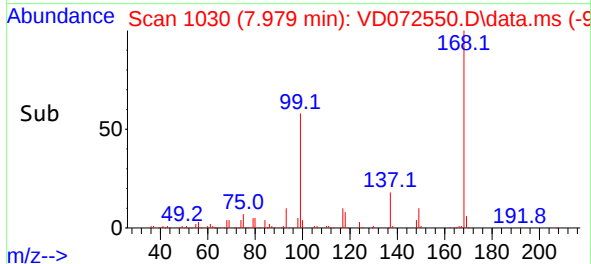
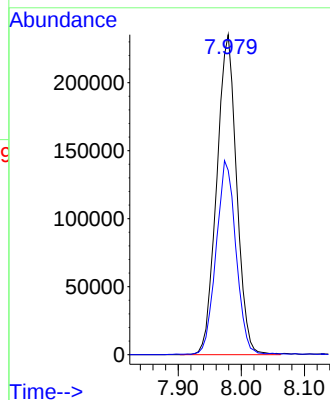
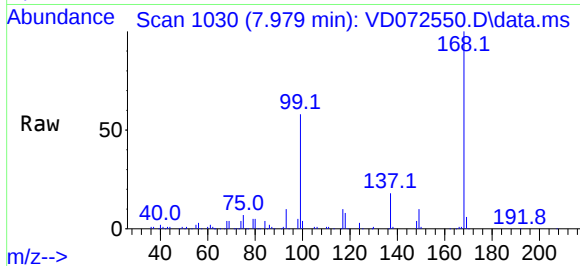




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD072550.D
Acq: 06 Apr 2022 14:39

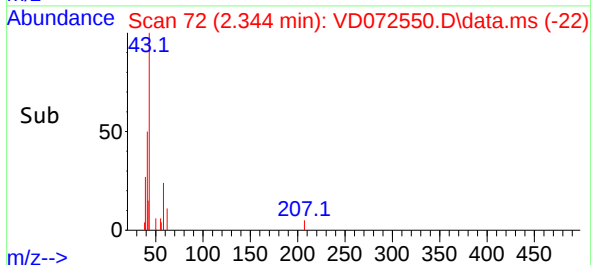
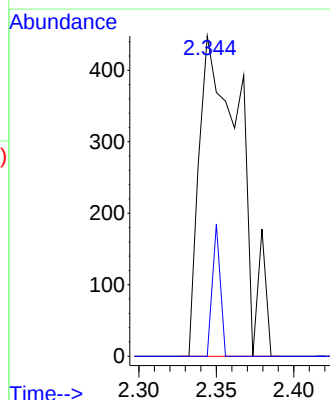
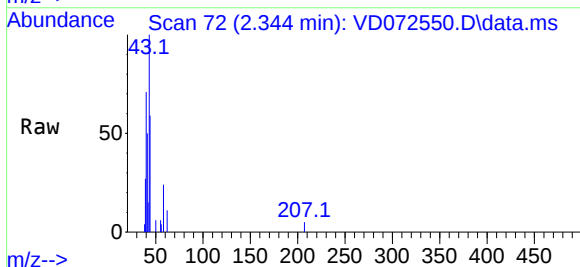
Instrument :
MSVOA_D
ClientSampleId :
LINDEN-SOUTH

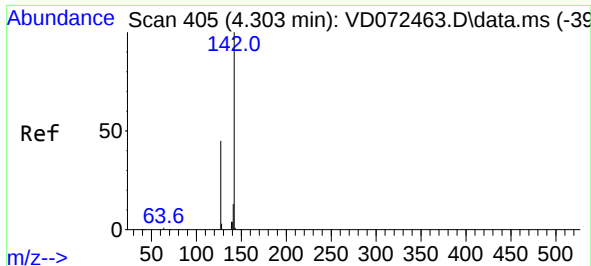
Tgt Ion:168 Resp: 515749
Ion Ratio Lower Upper
168 100
99 57.4 49.8 74.6



#4
Vinyl Chloride
Concen: 1.135 ug/l
RT: 2.344 min Scan# 72
Delta R.T. -0.006 min
Lab File: VD072550.D
Acq: 06 Apr 2022 14:39

Tgt Ion: 62 Resp: 822
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.0#

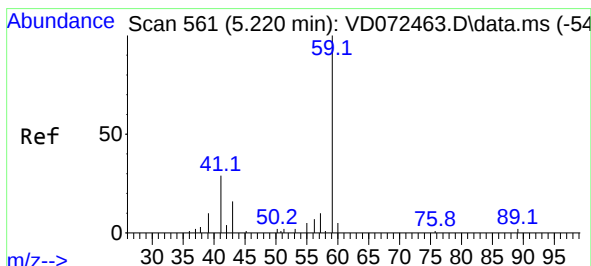
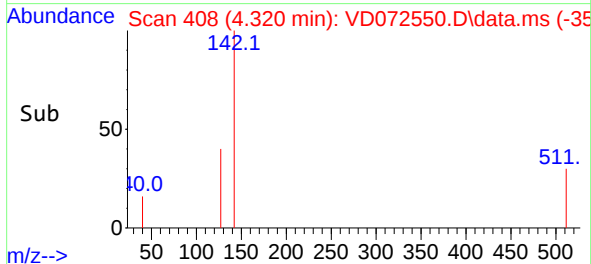
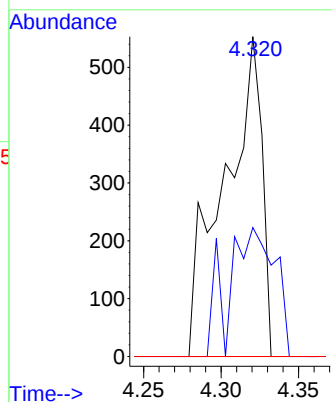
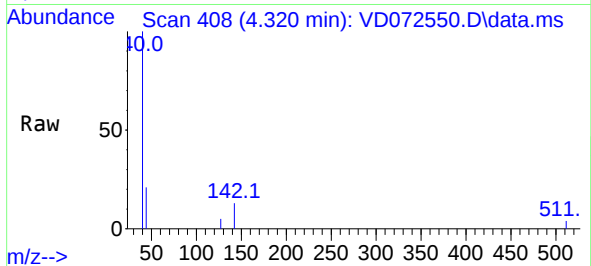




#10
Methyl Iodide
Concen: 3.888 ug/l
RT: 4.320 min Scan# 405
Delta R.T. 0.017 min
Lab File: VD072550.D
Acq: 06 Apr 2022 14:39

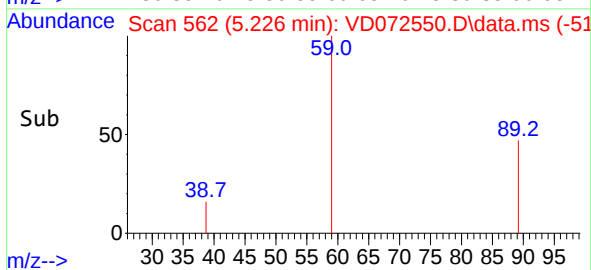
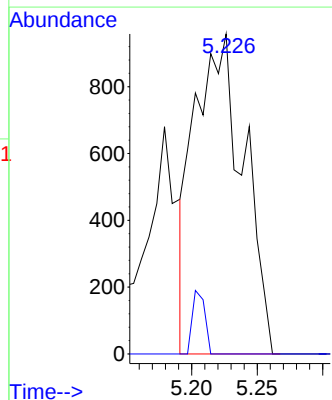
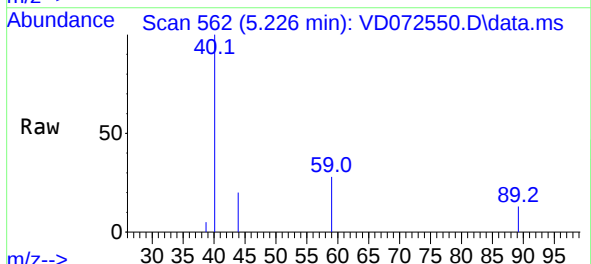
Instrument :
MSVOA_D
ClientSampleId :
LINDEN-SOUTH

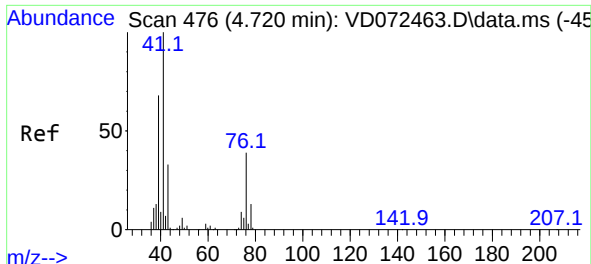
Tgt Ion:142 Resp: 937
Ion Ratio Lower Upper
142 100
127 49.9 37.3 55.9
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 7.597 ug/l
RT: 5.226 min Scan# 562
Delta R.T. 0.006 min
Lab File: VD072550.D
Acq: 06 Apr 2022 14:39

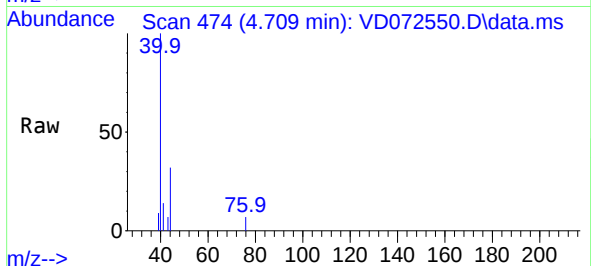
Tgt Ion: 59 Resp: 2503
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



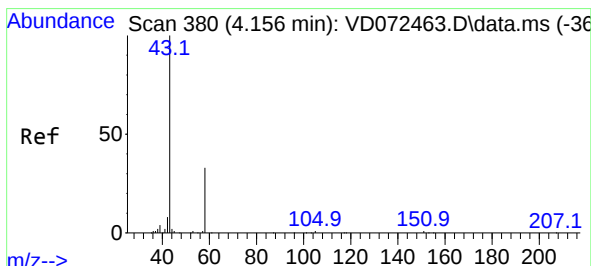
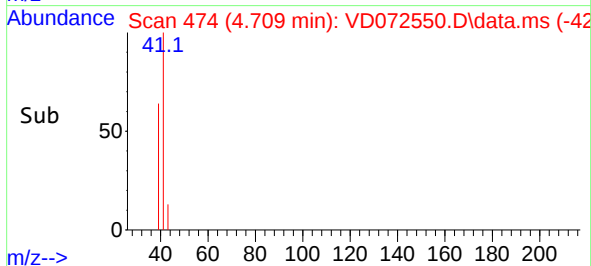
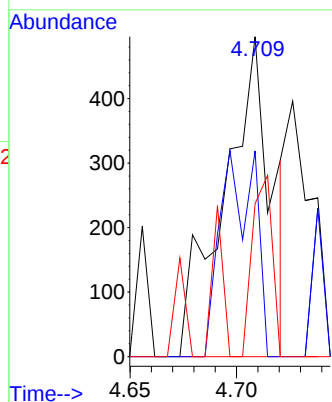


#14
 Allyl chloride
 Concen: 1.219 ug/l
 RT: 4.709 min Scan# 41
 Delta R.T. -0.011 min
 Lab File: VD072550.D
 Acq: 06 Apr 2022 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 LINDEN-SOUTH

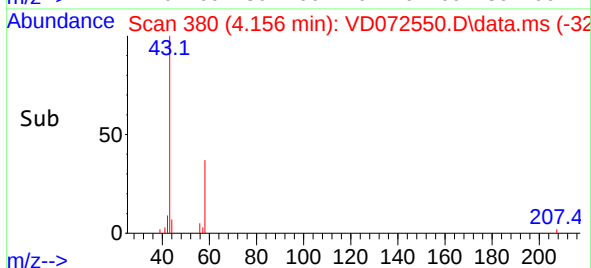
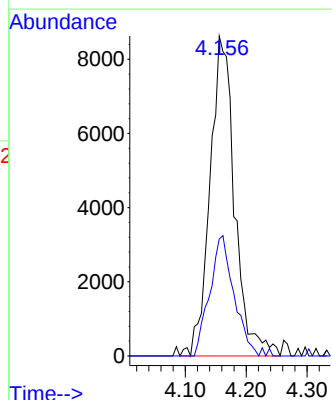
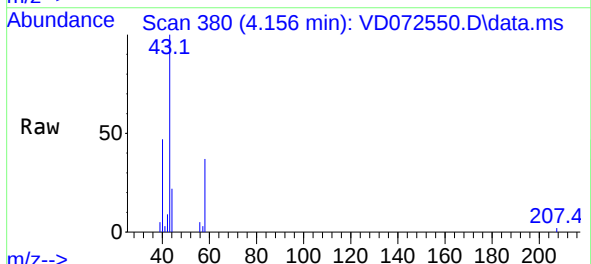


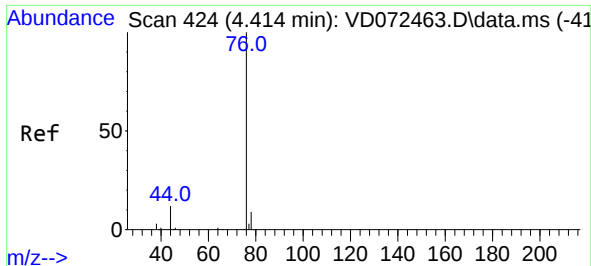
Tgt Ion: 41 Resp: 769
 Ion Ratio Lower Upper
 41 100
 39 46.3 59.3 88.9#
 76 0.0 25.7 38.5#



#16
 Acetone
 Concen: 20.889 ug/l
 RT: 4.156 min Scan# 380
 Delta R.T. 0.000 min
 Lab File: VD072550.D
 Acq: 06 Apr 2022 14:39

Tgt Ion: 43 Resp: 24302
 Ion Ratio Lower Upper
 43 100
 58 36.5 22.1 33.1#

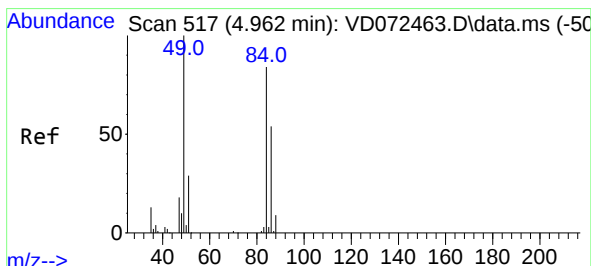
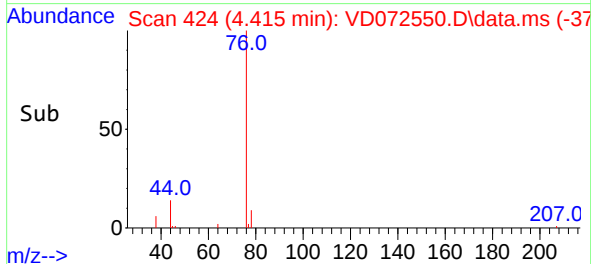
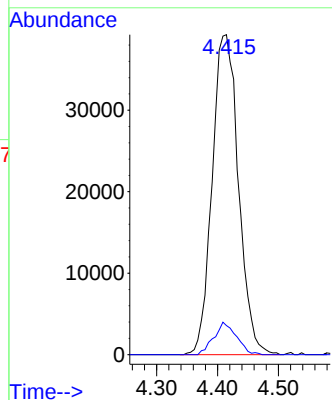
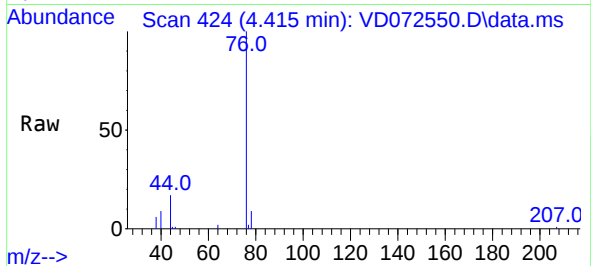




#17
Carbon Disulfide
Concen: 14.519 ug/l
RT: 4.415 min Scan# 41
Delta R.T. 0.001 min
Lab File: VD072550.D
Acq: 06 Apr 2022 14:39

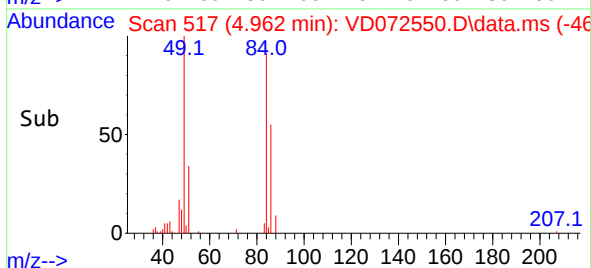
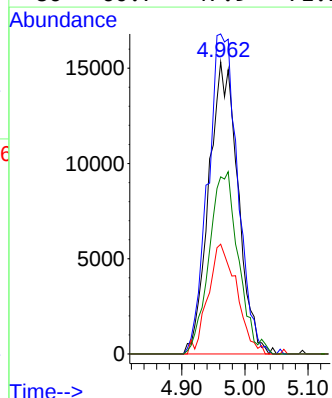
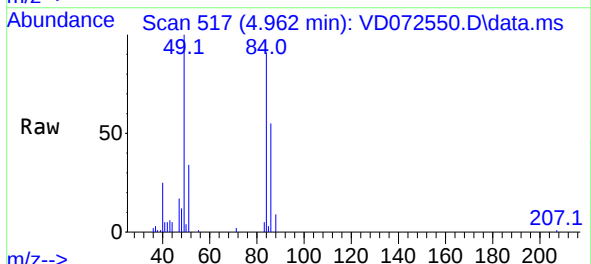
Instrument :
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ClientSampleId :
LINDEN-SOUTH

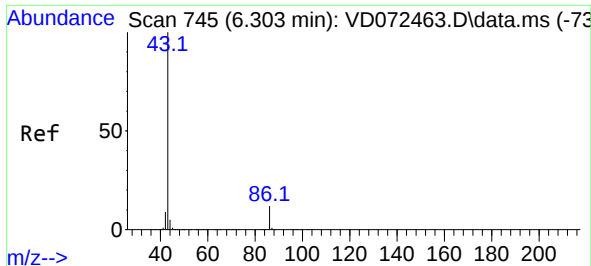
Tgt Ion: 76 Resp: 117825
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3



#20
Methylene Chloride
Concen: 7.121 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD072550.D
Acq: 06 Apr 2022 14:39

Tgt Ion: 84 Resp: 49321
Ion Ratio Lower Upper
84 100
49 109.6 112.8 169.2#
51 37.6 32.6 48.8
86 60.7 47.9 71.9

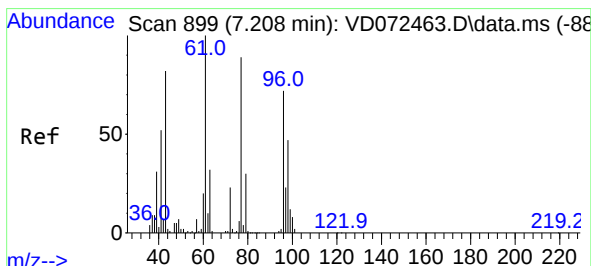
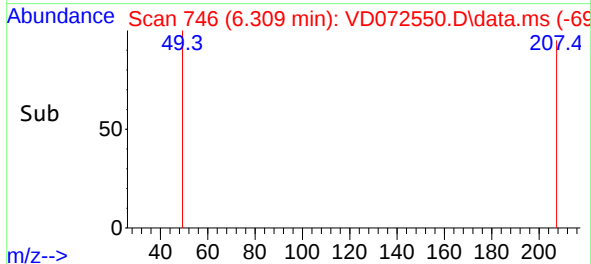
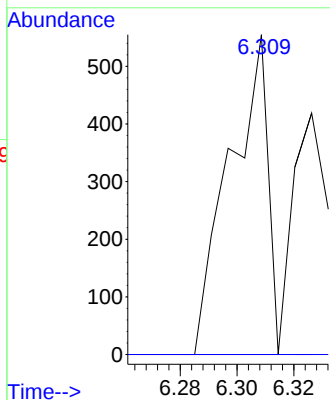
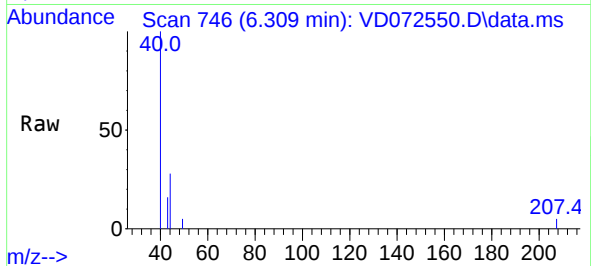




#23
 Vinyl Acetate
 Concen: 6.339 ug/l
 RT: 6.309 min Scan# 745
 Delta R.T. 0.006 min
 Lab File: VD072550.D
 Acq: 06 Apr 2022 14:39

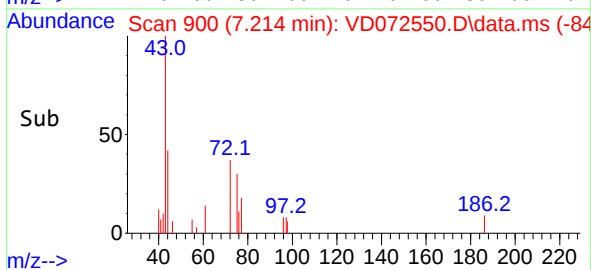
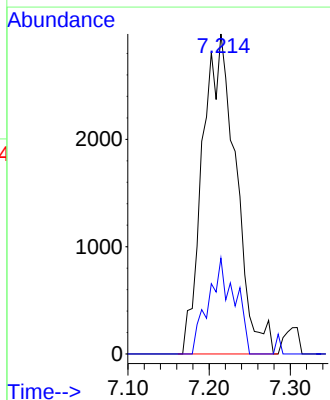
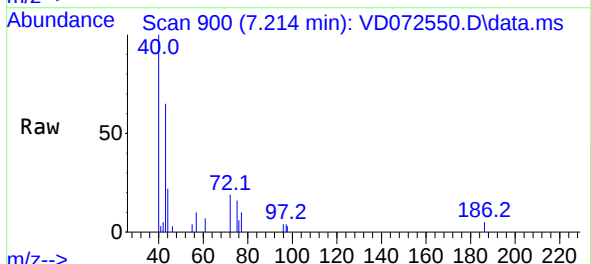
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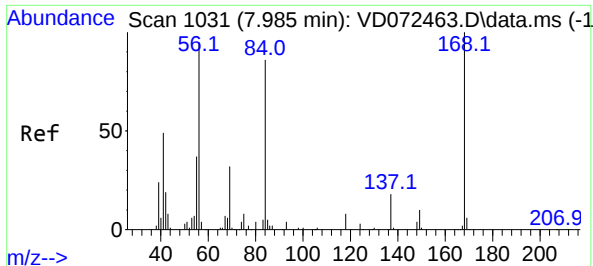
Tgt Ion: 43 Resp: 516
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 5.290 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. 0.006 min
 Lab File: VD072550.D
 Acq: 06 Apr 2022 14:39

Tgt Ion: 43 Resp: 8512
 Ion Ratio Lower Upper
 43 100
 72 29.9 18.6 27.8#





#31

Cyclohexane

Concen: 2.039 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VD072550.D

Acq: 06 Apr 2022 14:39

Instrument :

MSVOA_D

ClientSampleId :

LINDEN-SOUTH

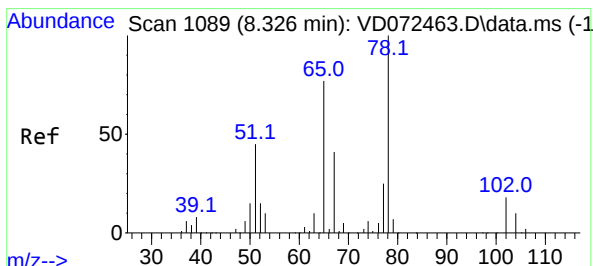
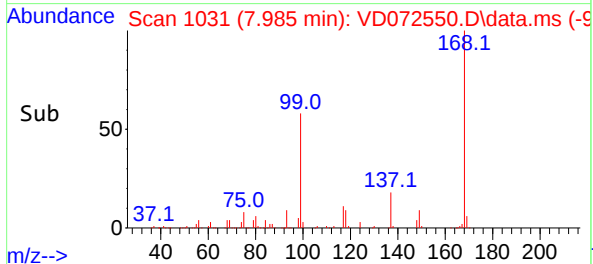
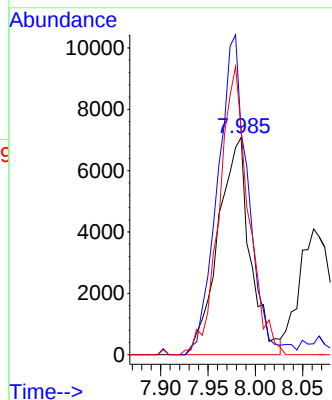
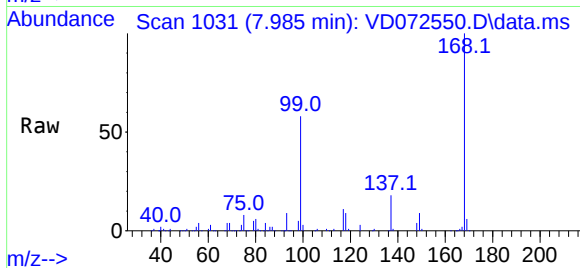
Tgt Ion: 56 Resp: 16638

Ion Ratio Lower Upper

56 100

69 102.1 25.4 38.2#

84 103.9 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 47.375 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072550.D

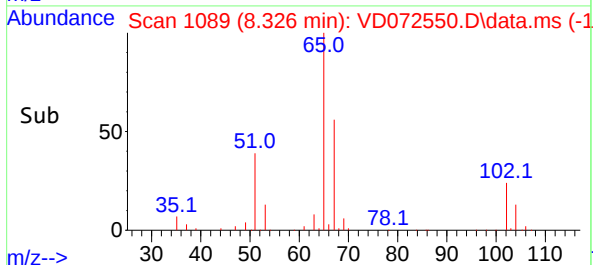
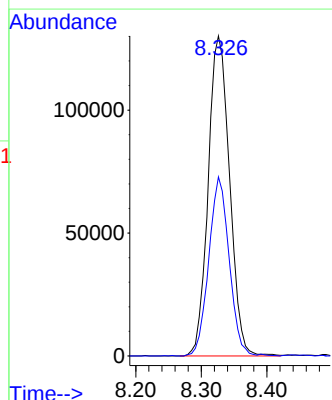
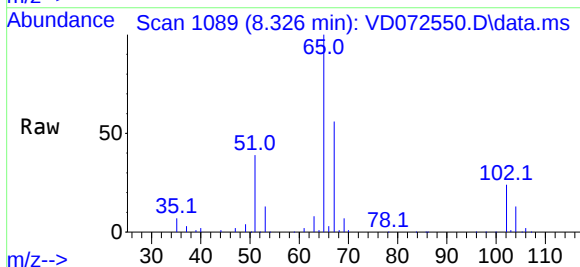
Acq: 06 Apr 2022 14:39

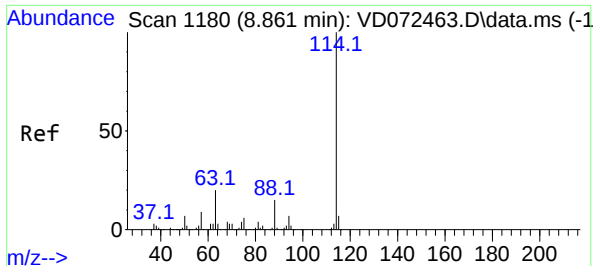
Tgt Ion: 65 Resp: 295573

Ion Ratio Lower Upper

65 100

67 53.1 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072550.D

Acq: 06 Apr 2022 14:39

Instrument :

MSVOA_D

ClientSampleId :

LINDEN-SOUTH

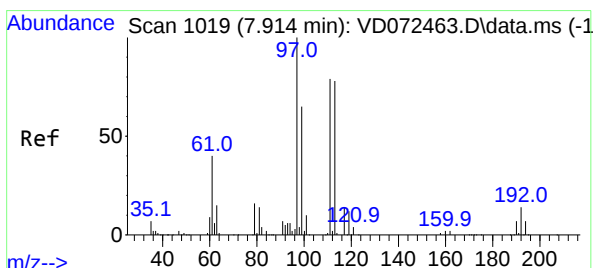
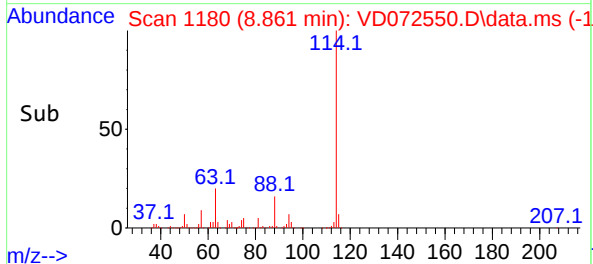
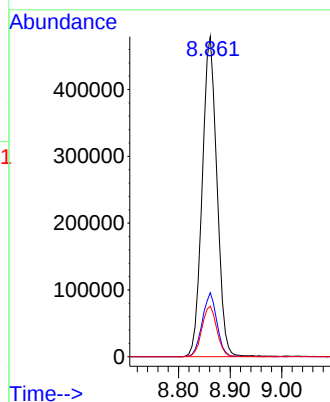
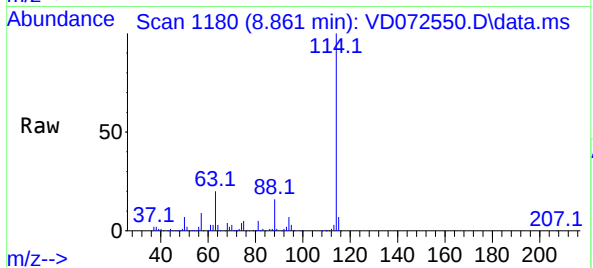
Tgt Ion:114 Resp: 947460

Ion Ratio Lower Upper

114 100

63 20.0 0.0 46.6

88 15.7 0.0 33.2



#35

Dibromofluoromethane

Concen: 42.429 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072550.D

Acq: 06 Apr 2022 14:39

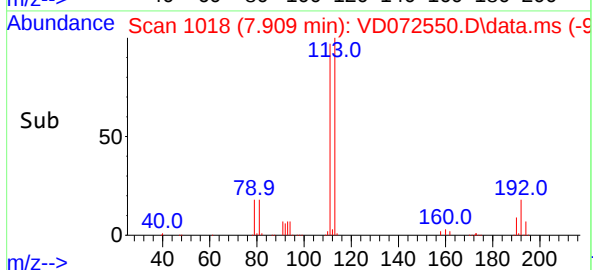
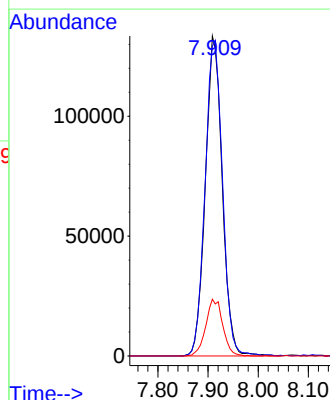
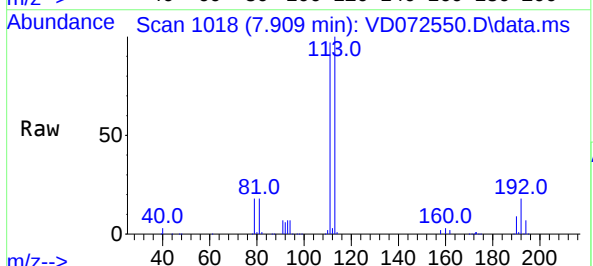
Tgt Ion:113 Resp: 312412

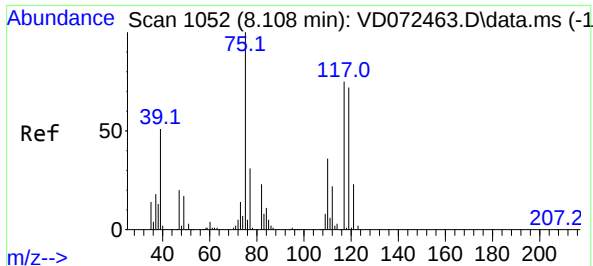
Ion Ratio Lower Upper

113 100

111 101.7 83.8 125.6

192 17.9 14.6 21.8

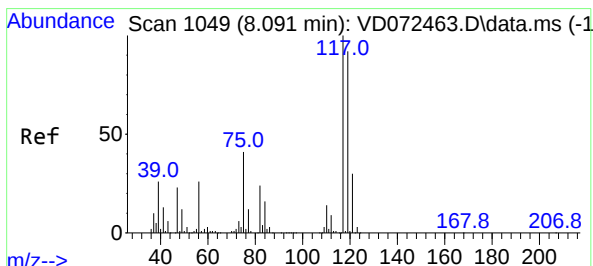
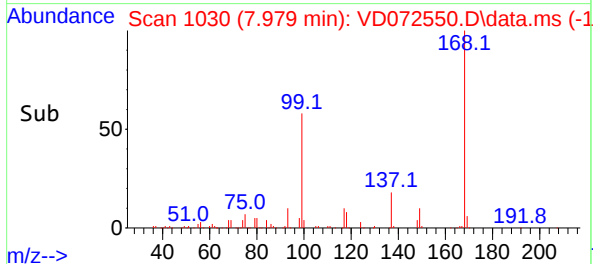
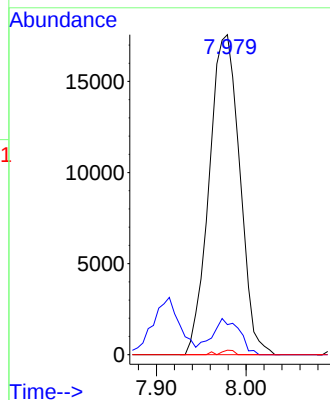
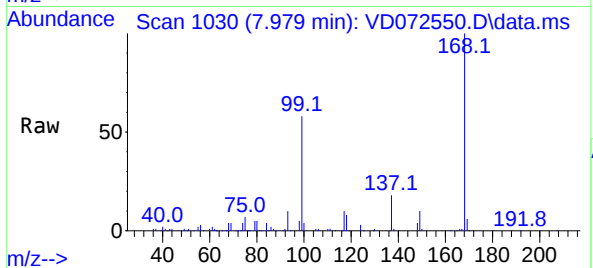




#36
1,1-Dichloropropene
Concen: 5.441 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD072550.D
Acq: 06 Apr 2022 14:39

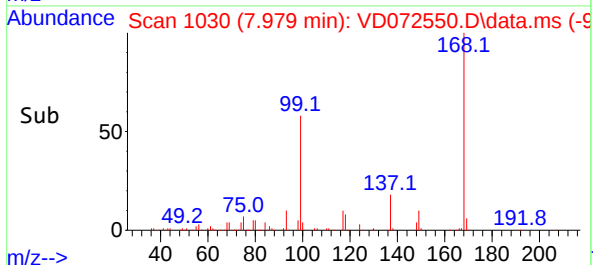
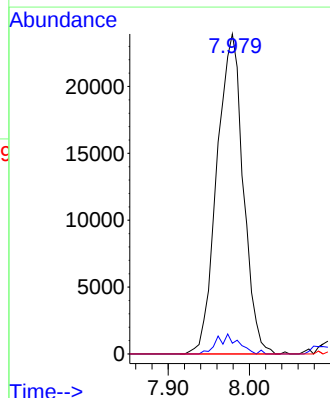
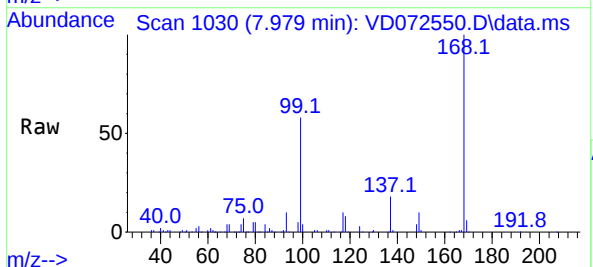
Instrument :
MSVOA_D
ClientSampleId :
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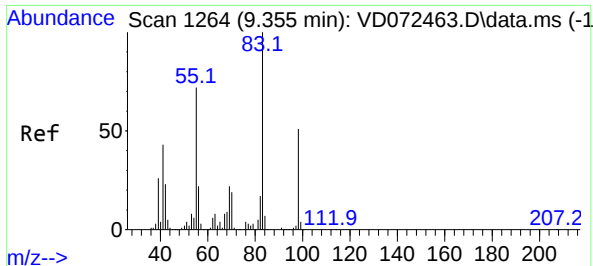
Tgt Ion: 75 Resp: 41551
Ion Ratio Lower Upper
75 100
110 10.3 16.4 49.1#
77 0.7 24.2 36.2#



#38
Carbon Tetrachloride
Concen: 5.318 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD072550.D
Acq: 06 Apr 2022 14:39

Tgt Ion: 117 Resp: 53948
Ion Ratio Lower Upper
117 100
119 3.3 75.8 113.6#
121 0.0 24.5 36.7#

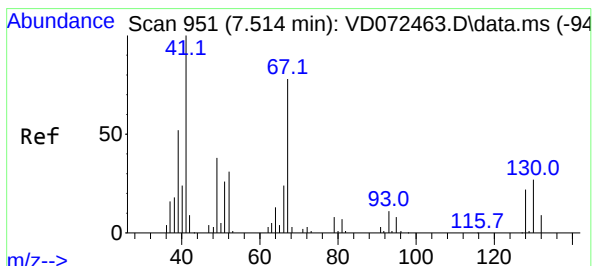
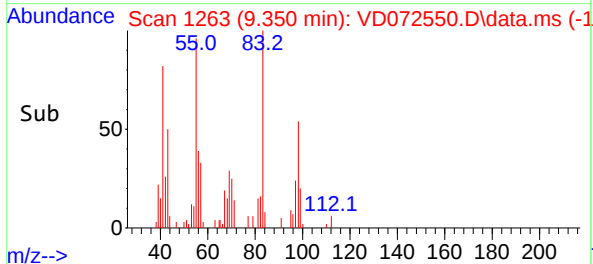
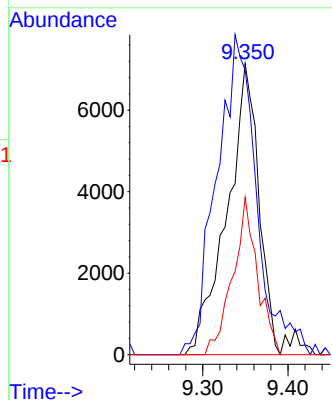
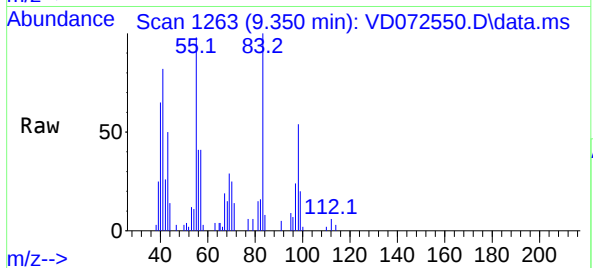




#39
Methylcyclohexane
Concen: 4.465 ug/l
RT: 9.350 min Scan# 11
Delta R.T. -0.005 min
Lab File: VD072550.D
Acq: 06 Apr 2022 14:39

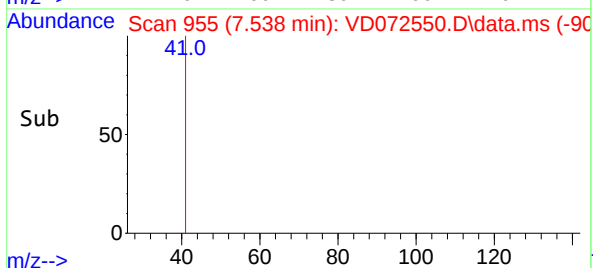
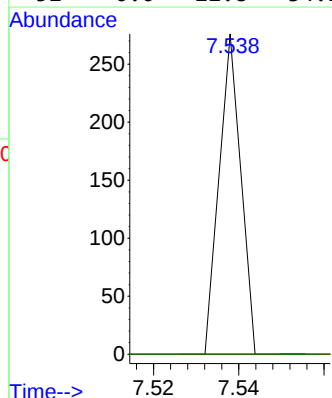
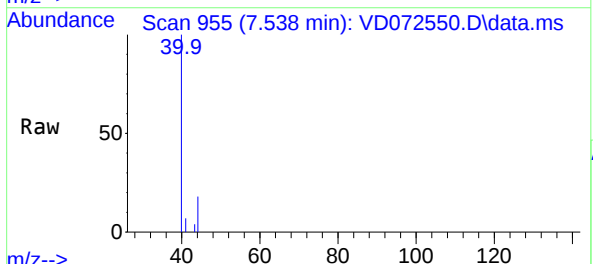
Instrument :
MSVOA_D
ClientSampleId :
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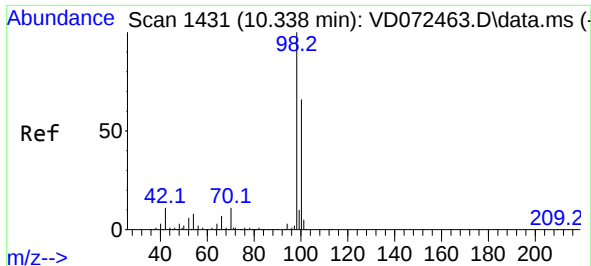
Tgt Ion: 83 Resp: 18470
Ion Ratio Lower Upper
83 100
55 97.9 63.2 94.8#
98 54.1 38.2 57.4



#41
Methacrylonitrile
Concen: 1.699 ug/l
RT: 7.538 min Scan# 955
Delta R.T. 0.024 min
Lab File: VD072550.D
Acq: 06 Apr 2022 14:39

Tgt Ion: 41 Resp: 97
Ion Ratio Lower Upper
41 100
39 0.0 44.6 67.0#
67 0.0 48.2 72.4#
52 0.0 22.8 34.2#

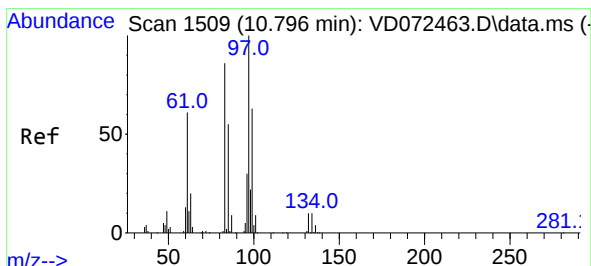
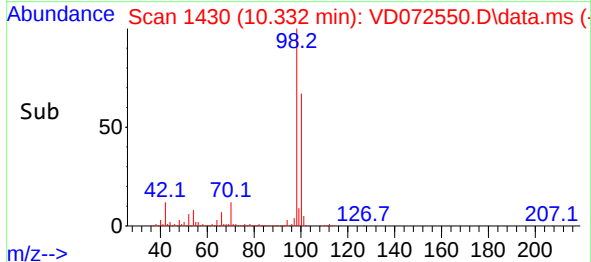
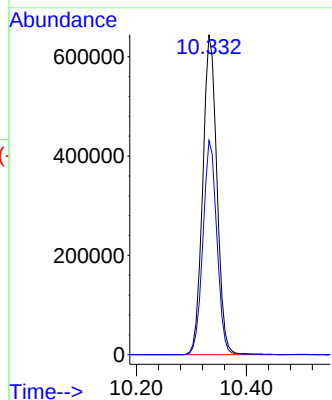
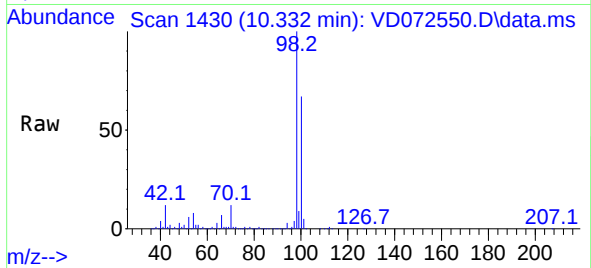




#50
Toluene-d8
Concen: 45.047 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072550.D
Acq: 06 Apr 2022 14:39

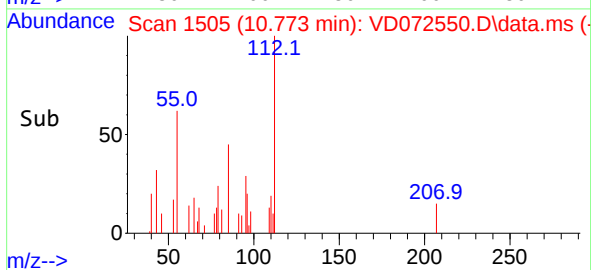
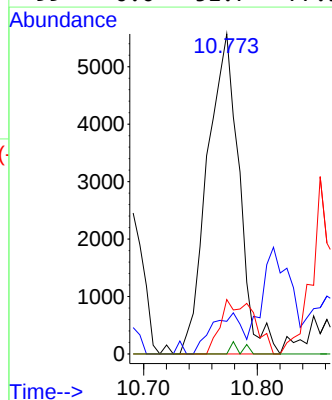
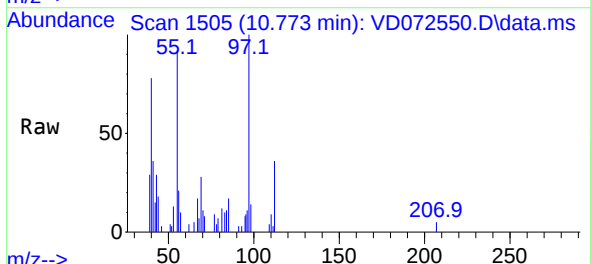
Instrument :
MSVOA_D
ClientSampleId :
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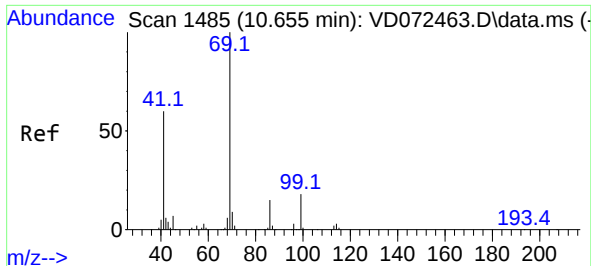
Tgt Ion: 98 Resp: 1152970
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6



#55
1,1,2-Trichloroethane
Concen: 1.909 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.023 min
Lab File: VD072550.D
Acq: 06 Apr 2022 14:39

Tgt Ion: 97 Resp: 10861
Ion Ratio Lower Upper
97 100
83 6.1 69.0 103.4#
85 17.0 42.6 63.8#
99 0.0 51.7 77.5#

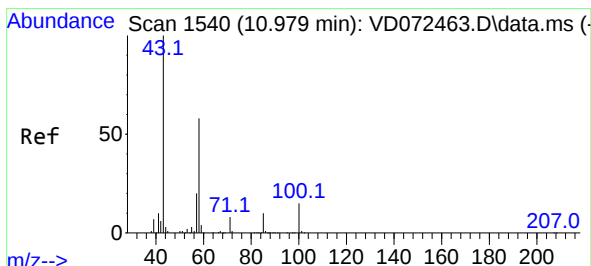
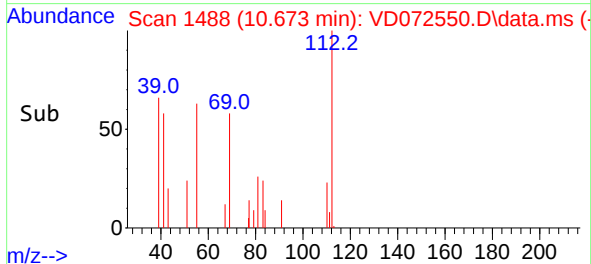
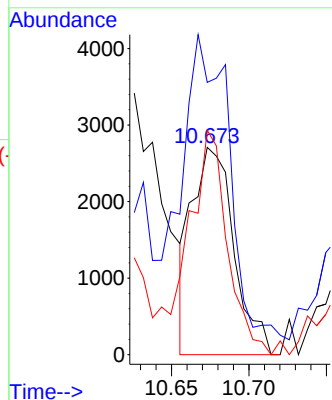
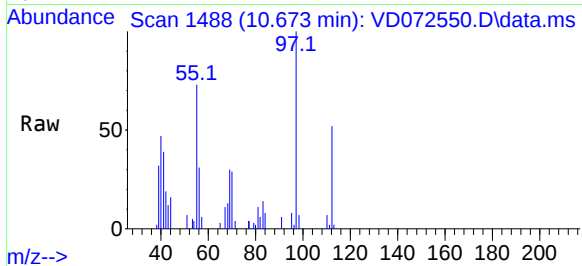




#56
Ethyl methacrylate
Concen: 1.904 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD072550.D
Acq: 06 Apr 2022 14:39

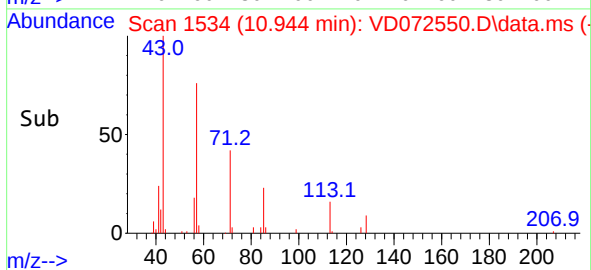
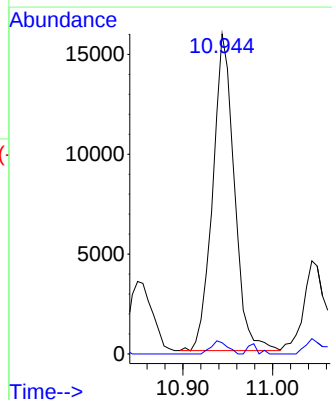
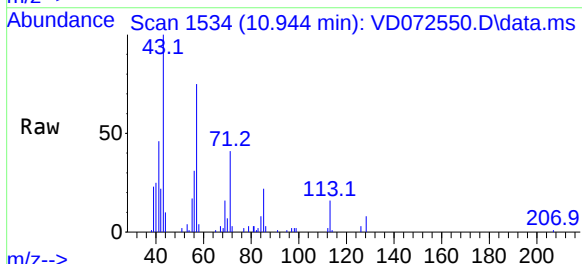
Instrument :
MSVOA_D
ClientSampleId :
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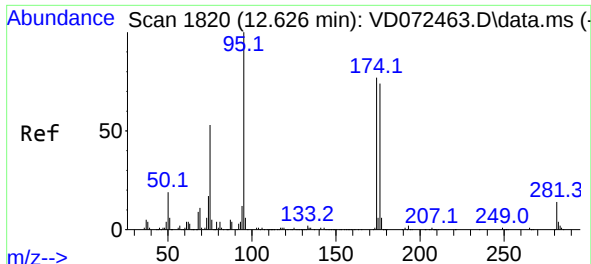
Tgt Ion: 69 Resp: 5112
Ion Ratio Lower Upper
69 100
41 168.2 63.0 94.6#
39 94.5 33.8 50.8#



#59
2-Hexanone
Concen: 9.688 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.035 min
Lab File: VD072550.D
Acq: 06 Apr 2022 14:39

Tgt Ion: 43 Resp: 26454
Ion Ratio Lower Upper
43 100
58 3.1 25.3 75.9#

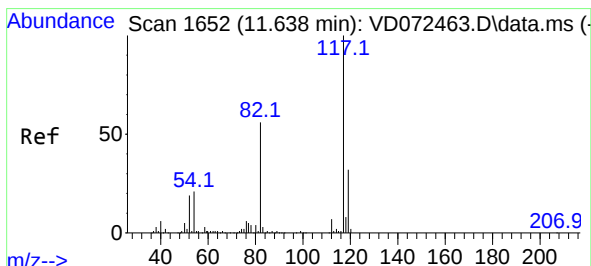
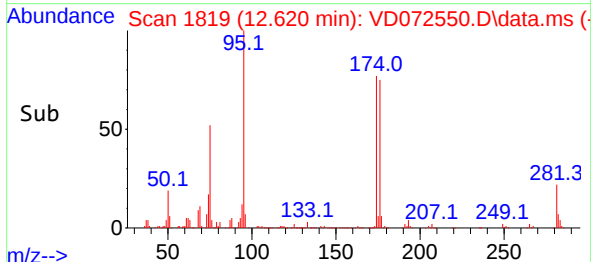
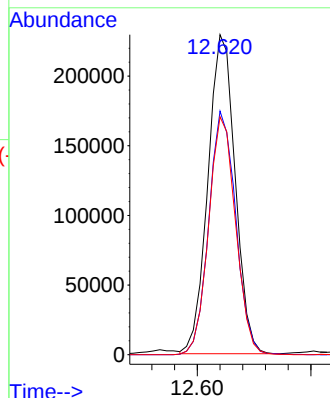
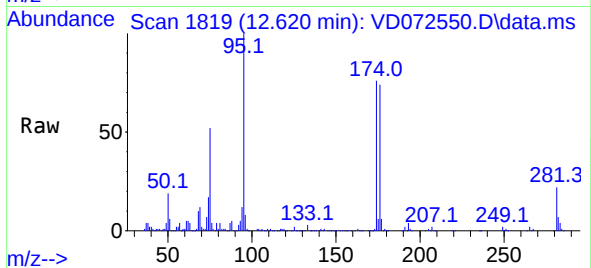




#62
4-Bromofluorobenzene
Concen: 38.136 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072550.D
Acq: 06 Apr 2022 14:39

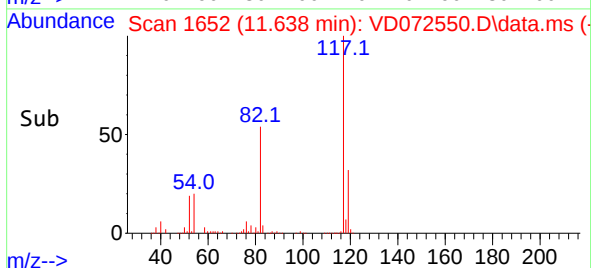
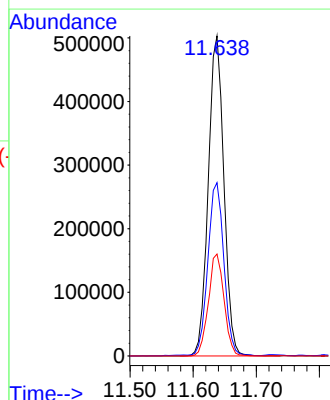
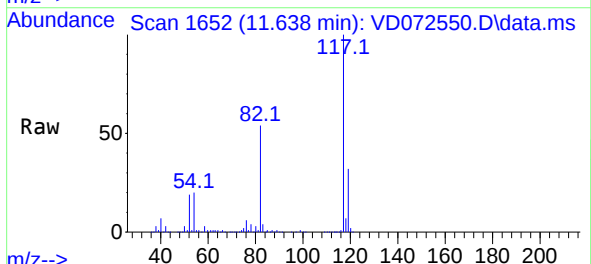
Instrument :
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ClientSampleId :
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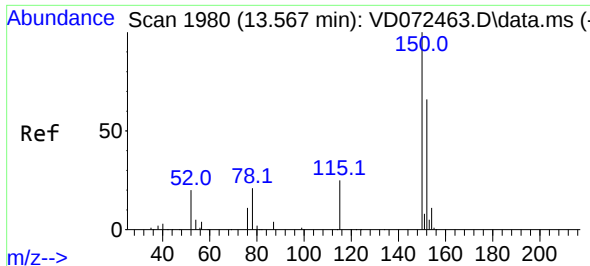
Tgt Ion: 95 Resp: 381205
Ion Ratio Lower Upper
95 100
174 75.6 0.0 152.8
176 73.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072550.D
Acq: 06 Apr 2022 14:39

Tgt Ion: 117 Resp: 863057
Ion Ratio Lower Upper
117 100
82 53.9 45.3 67.9
119 31.9 26.6 40.0

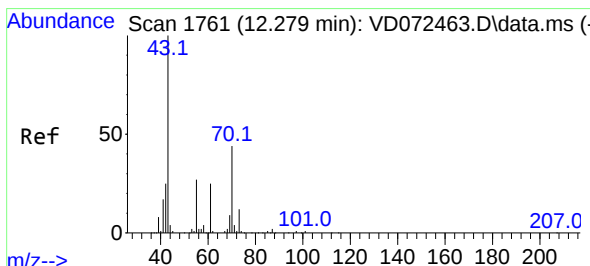
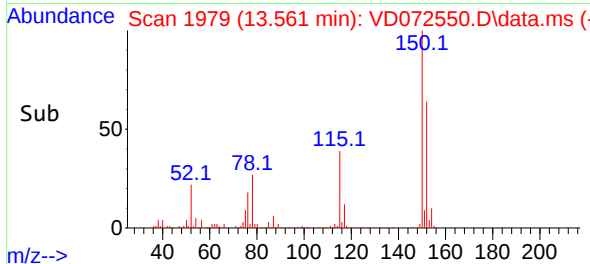
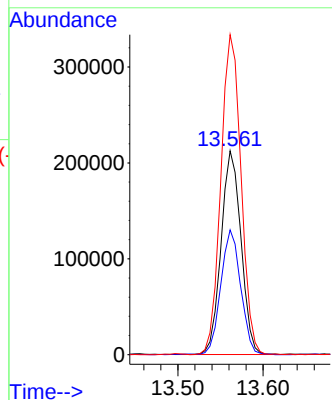
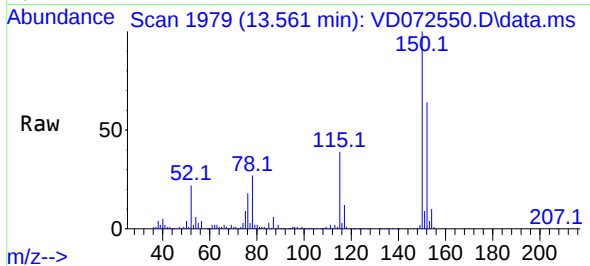




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD072550.D
Acq: 06 Apr 2022 14:39

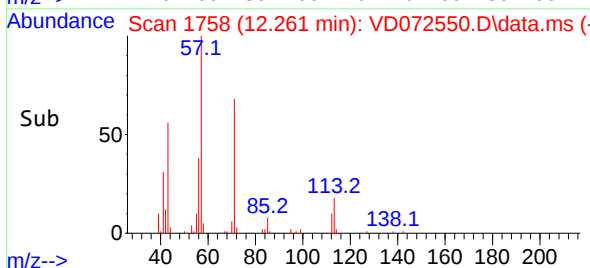
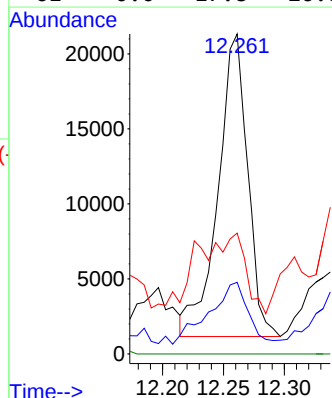
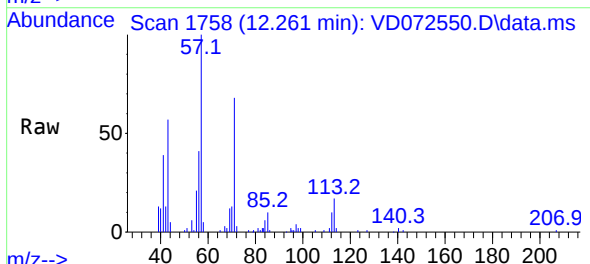
Instrument :
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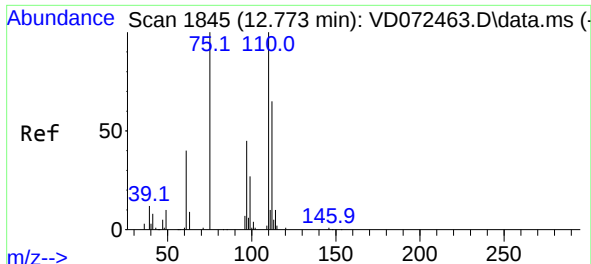
Tgt Ion:152 Resp: 344789
Ion Ratio Lower Upper
152 100
115 61.5 31.3 93.8
150 159.9 0.0 348.6



#74
N-ethyl acetate
Concen: 5.857 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD072550.D
Acq: 06 Apr 2022 14:39

Tgt Ion: 43 Resp: 34217
Ion Ratio Lower Upper
43 100
70 26.4 31.3 46.9#
55 0.0 20.0 30.0#
61 0.0 17.8 26.8#

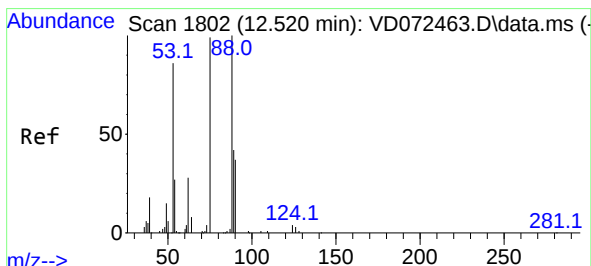
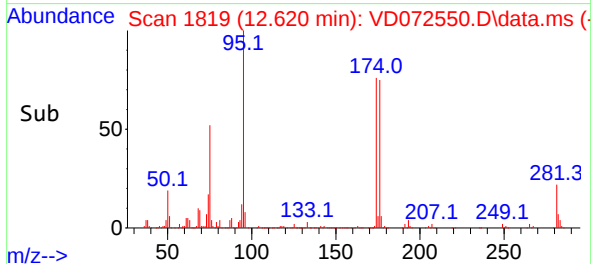
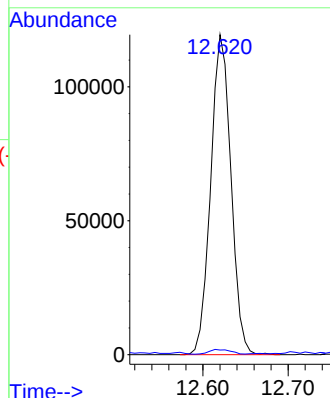
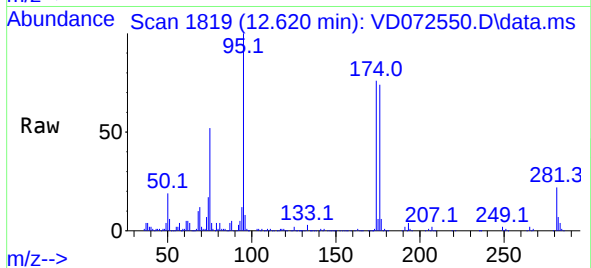




#76
1,2,3-Trichloropropane
Concen: 52.412 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072550.D
Acq: 06 Apr 2022 14:39

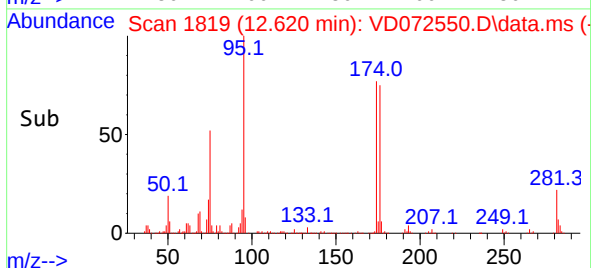
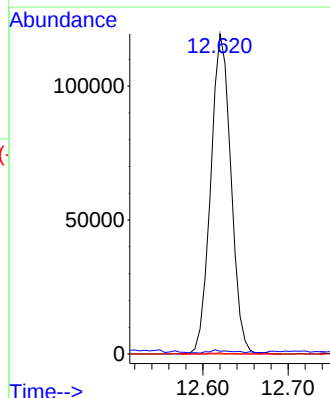
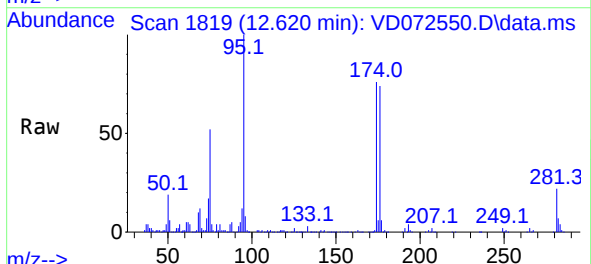
Instrument :
MSVOA_D
ClientSampleId :
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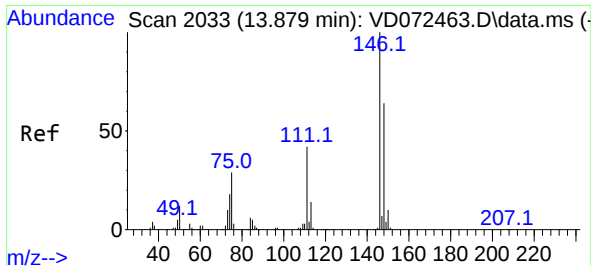
Tgt Ion: 75 Resp: 197093
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.608 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072550.D
Acq: 06 Apr 2022 14:39

Tgt Ion: 75 Resp: 197093
Ion Ratio Lower Upper
75 100
53 1.2 86.5 129.7#
89 0.2 33.9 50.9#





#91

1,2-Dichlorobenzene

Concen: 2.268 ug/l

RT: 13.879 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VD072550.D

Acq: 06 Apr 2022 14:39

Instrument :

MSVOA_D

ClientSampleId :

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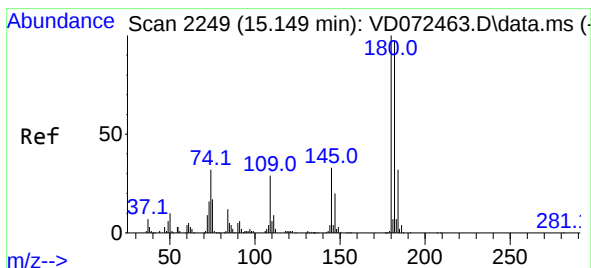
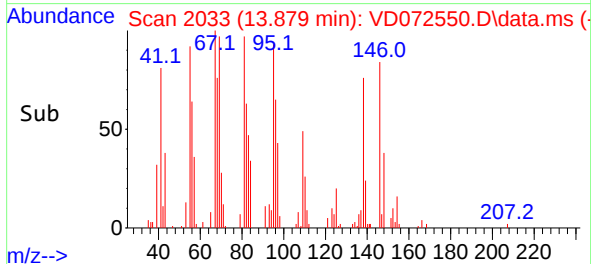
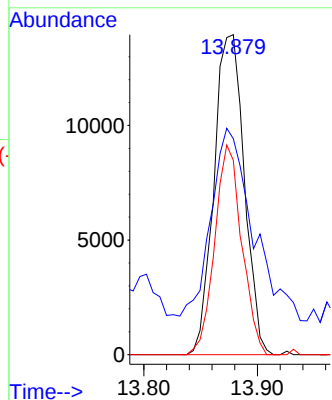
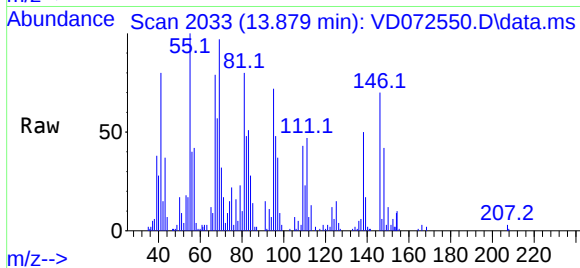
Tgt Ion:146 Resp: 25871

Ion Ratio Lower Upper

146 100

111 89.0 21.1 63.3#

148 58.7 31.7 95.1



#93

1,2,4-Trichlorobenzene

Concen: 3.110 ug/l

RT: 15.149 min Scan# 2249

Delta R.T. 0.000 min

Lab File: VD072550.D

Acq: 06 Apr 2022 14:39

Tgt Ion:180 Resp: 21991

Ion Ratio Lower Upper

180 100

182 89.3 47.3 142.0

145 91.0 16.2 48.5#

