

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020823\
 Data File : VD075278.D
 Acq On : 08 Feb 2023 18:13
 Operator : KP/SY
 Sample : 01428-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1574

Quant Time: Feb 09 05:42:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

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

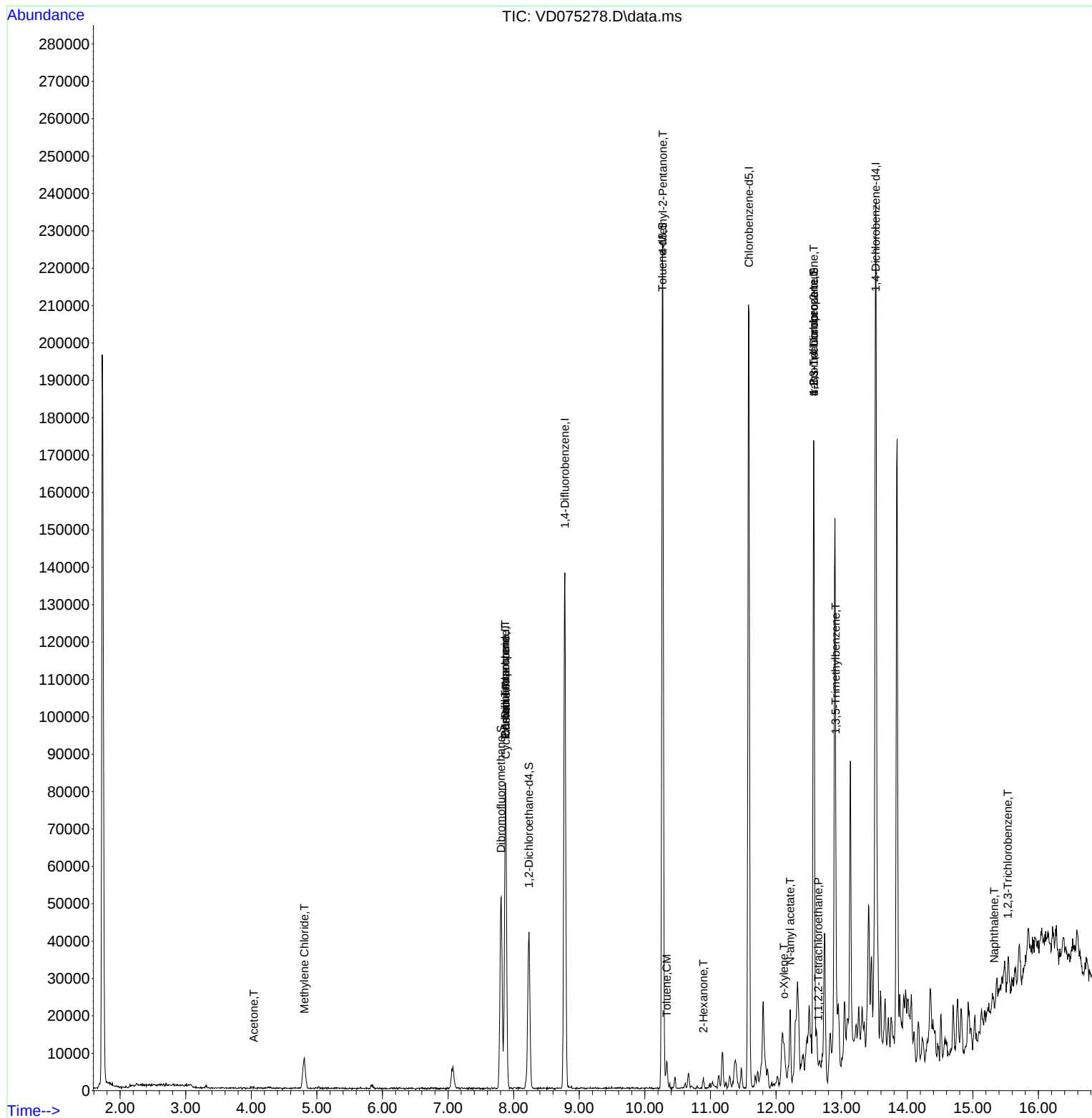
Internal Standards						
1) Pentafluorobenzene	7.875	168	60708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	116362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	115942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	54395	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	32196	45.229	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.460%
35) Dibromofluoromethane	7.810	113	36264	44.445	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.900%
50) Toluene-d8	10.269	98	147955	47.815	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.640%
62) 4-Bromofluorobenzene	12.575	95	49780	48.790	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.580%
Target Compounds						
					Qvalue	
3) Chloromethane	2.152	50	66	Below Cal	#	41
11) Tert butyl alcohol	5.022	59	65	Below Cal	#	89
16) Acetone	4.040	43	940	4.994	ug/l #	42
20) Methylene Chloride	4.810	84	5996	1.736	ug/l #	94
31) Cyclohexane	7.881	56	1623	1.284	ug/l #	50
36) 1,1-Dichloropropene	7.875	75	5231	4.116	ug/l #	45
38) Carbon Tetrachloride	7.875	117	5921	5.027	ug/l #	14
51) 4-Methyl-2-Pentanone	10.275	43	846	1.580	ug/l #	1
52) Toluene	10.334	92	3043	1.352	ug/l	97
59) 2-Hexanone	10.892	43	906	2.316	ug/l #	25
69) o-Xylene	12.122	106	1833	1.069	ug/l	100
74) N-amyl acetate	12.216	43	4802	4.849	ug/l #	73
75) 1,1,2,2-Tetrachloroethane	12.645	83	1160	1.513	ug/l #	26
76) 1,2,3-Trichloropropane	12.575	75	26952	43.622	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.910	105	6701	1.826	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.575	75	26952	137.760	ug/l #	14
95) Naphthalene	15.328	128	2696	1.322	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.533	180	1139	1.204	ug/l #	13

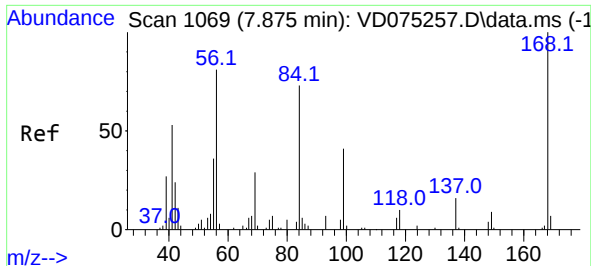
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

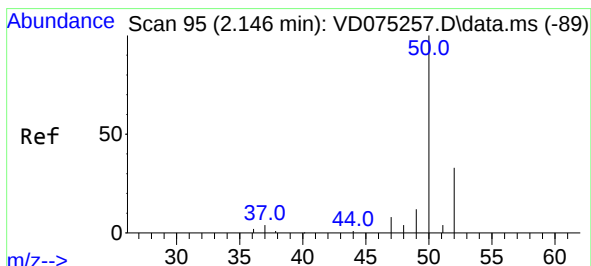
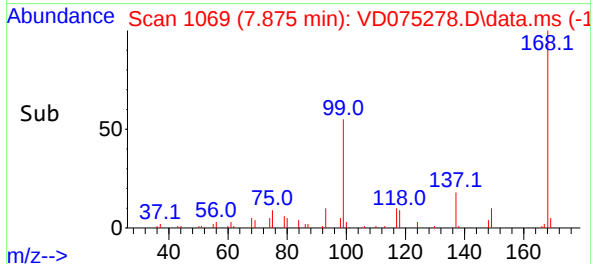
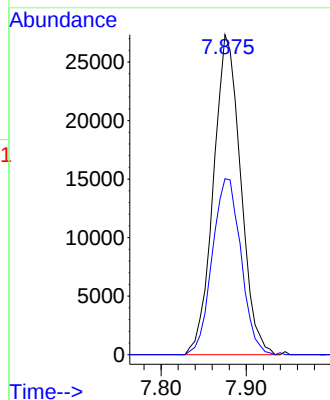
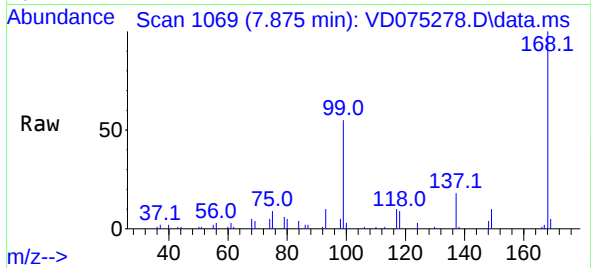




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075278.D
Acq: 08 Feb 2023 18:13

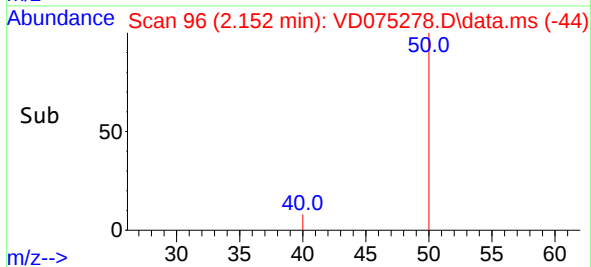
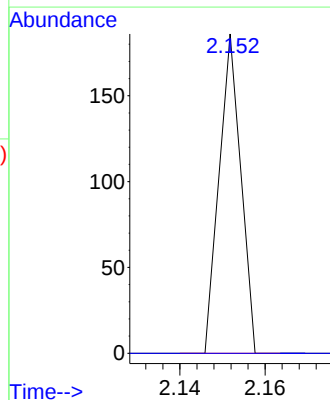
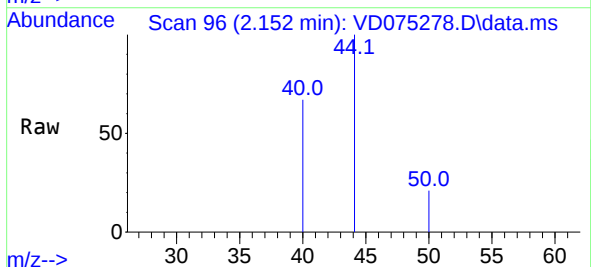
Instrument :
MSVOA_D
ClientSampleId :
1574

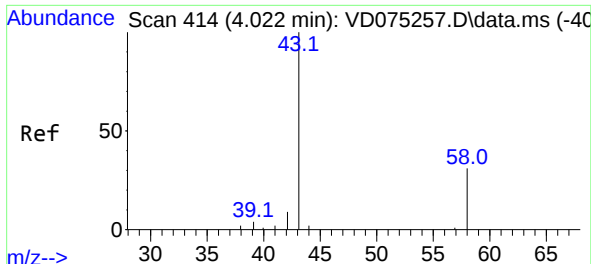
Tgt Ion:168 Resp: 60708
Ion Ratio Lower Upper
168 100
99 55.0 45.2 67.8



#3
Chloromethane
Concen: Below Cal
RT: 2.152 min Scan# 96
Delta R.T. 0.006 min
Lab File: VD075278.D
Acq: 08 Feb 2023 18:13

Tgt Ion: 50 Resp: 66
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#

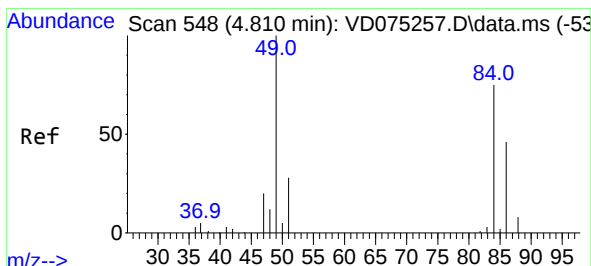
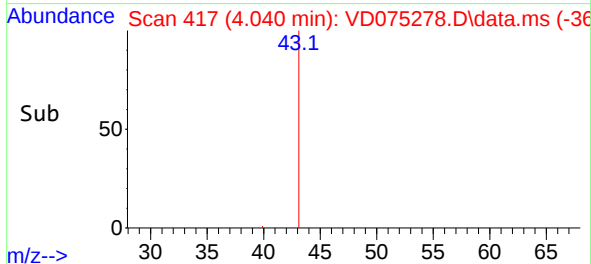
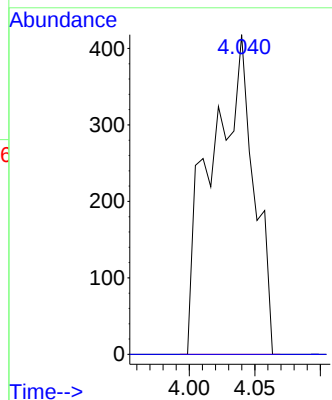
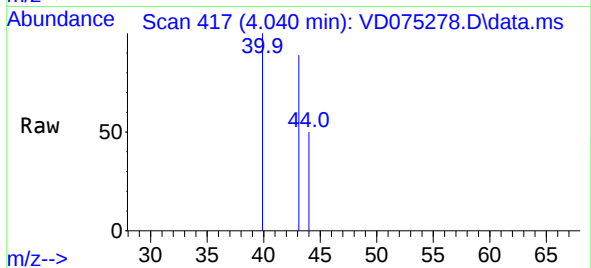




#16
Acetone
Concen: 4.994 ug/l
RT: 4.040 min Scan# 414
Delta R.T. 0.018 min
Lab File: VD075278.D
Acq: 08 Feb 2023 18:13

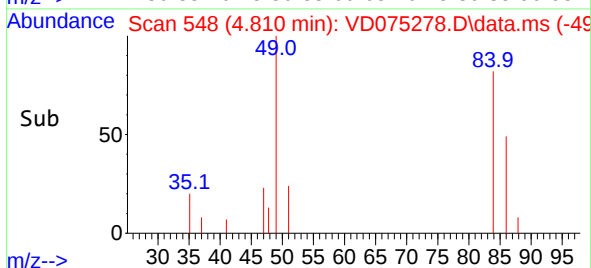
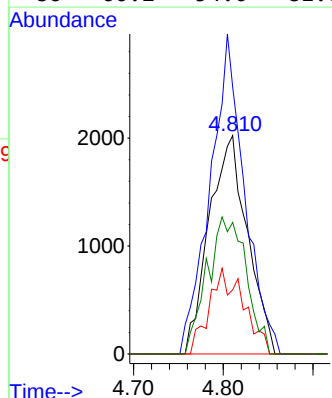
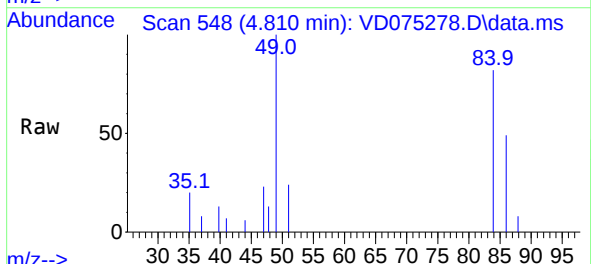
Instrument :
MSVOA_D
ClientSampleId :
1574

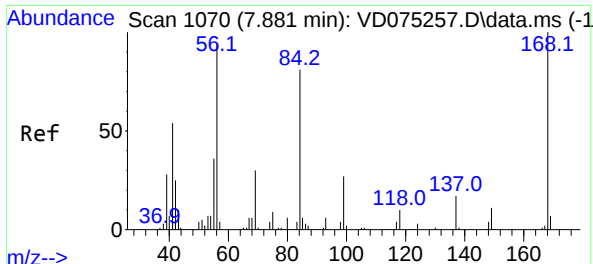
Tgt Ion: 43 Resp: 940
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#



#20
Methylene Chloride
Concen: 1.736 ug/l
RT: 4.810 min Scan# 548
Delta R.T. 0.000 min
Lab File: VD075278.D
Acq: 08 Feb 2023 18:13

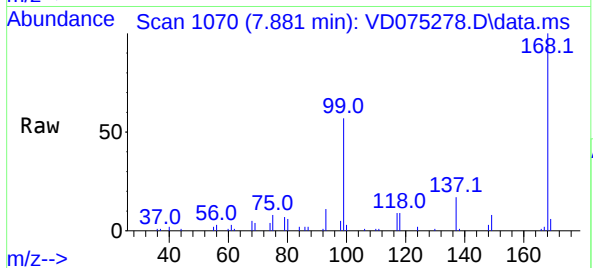
Tgt Ion: 84 Resp: 5996
Ion Ratio Lower Upper
84 100
49 122.3 97.0 145.6
51 29.4 30.9 46.3#
86 60.2 54.0 81.0



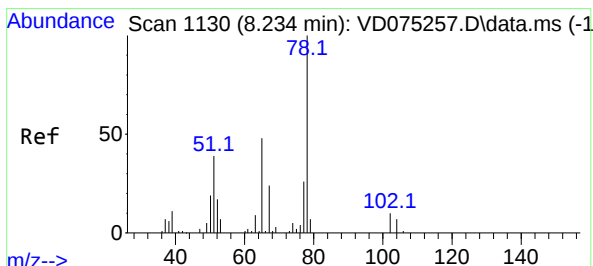
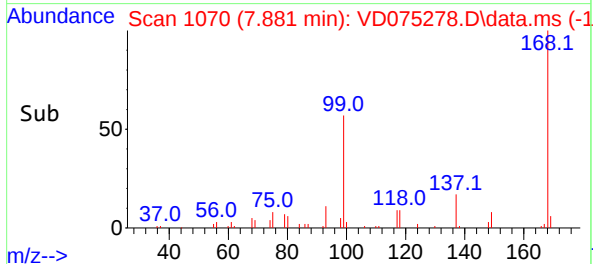
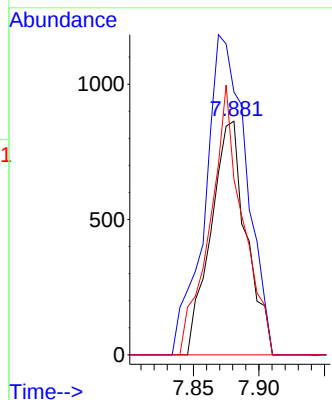


#31
Cyclohexane
Concen: 1.284 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD075278.D
Acq: 08 Feb 2023 18:13

Instrument :
MSVOA_D
ClientSampleId :
1574

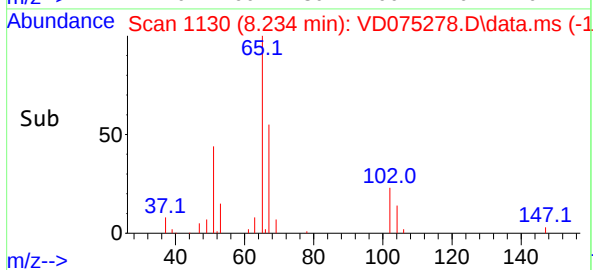
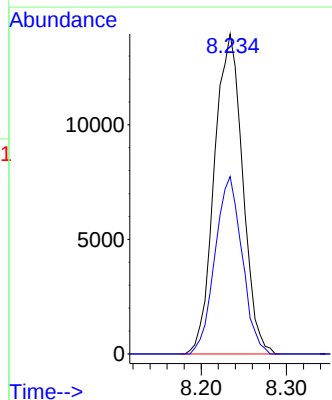
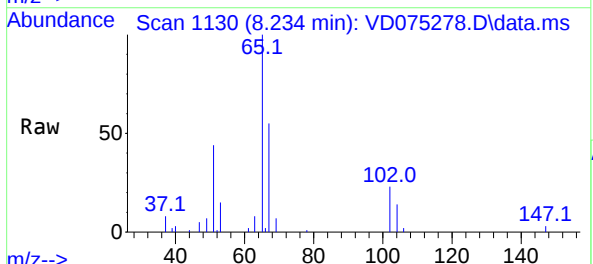


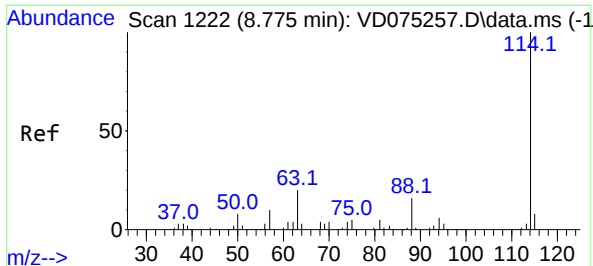
Tgt Ion: 56 Resp: 1623
Ion Ratio Lower Upper
56 100
69 112.5 26.6 40.0#
84 75.1 74.1 111.1



#33
1,2-Dichloroethane-d4
Concen: 45.229 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075278.D
Acq: 08 Feb 2023 18:13

Tgt Ion: 65 Resp: 32196
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD075278.D

Acq: 08 Feb 2023 18:13

Instrument :

MSVOA_D

ClientSampleId :

1574

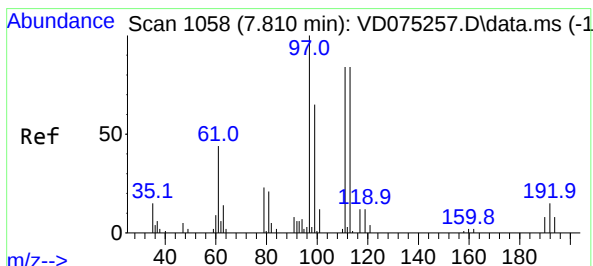
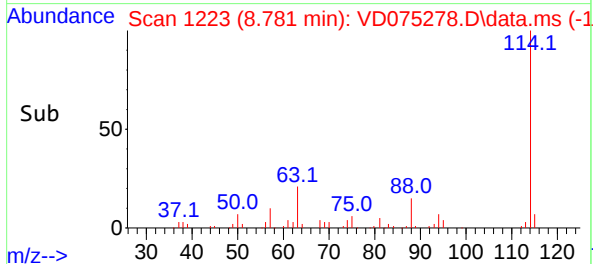
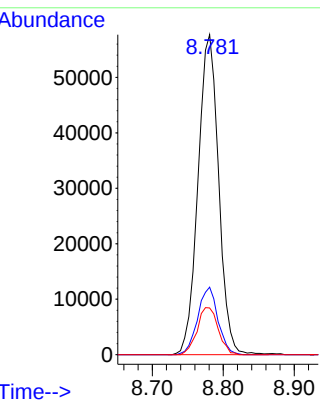
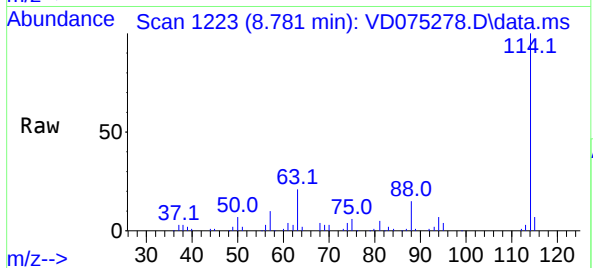
Tgt Ion:114 Resp: 116362

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.2

88 14.6 0.0 32.2



#35

Dibromofluoromethane

Concen: 44.445 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD075278.D

Acq: 08 Feb 2023 18:13

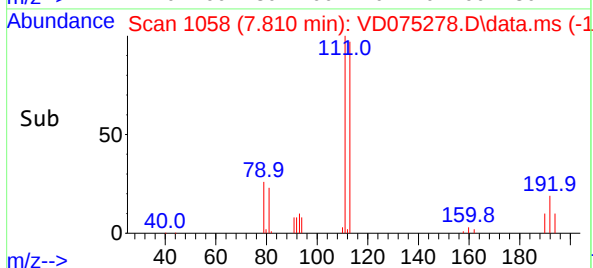
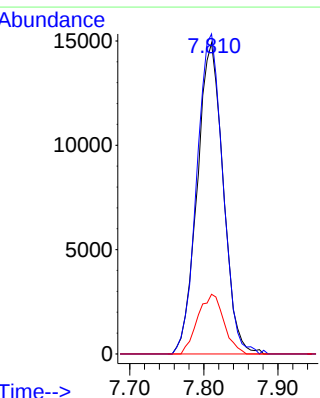
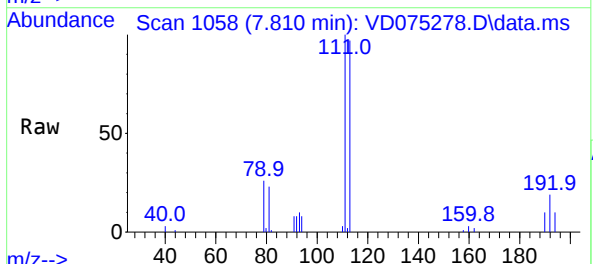
Tgt Ion:113 Resp: 36264

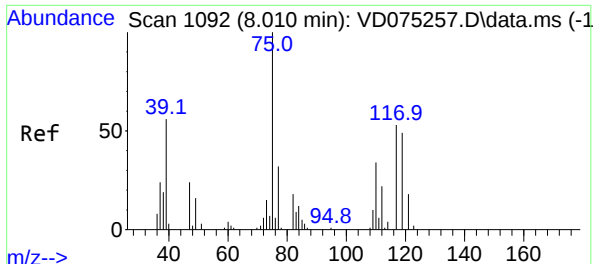
Ion Ratio Lower Upper

113 100

111 103.1 80.1 120.1

192 19.3 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.116 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD075278.D

Acq: 08 Feb 2023 18:13

Instrument :

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1574

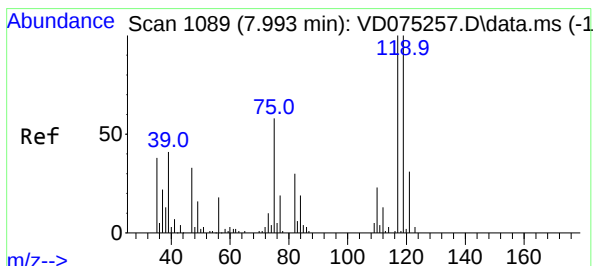
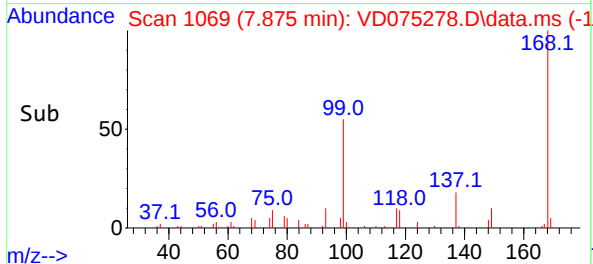
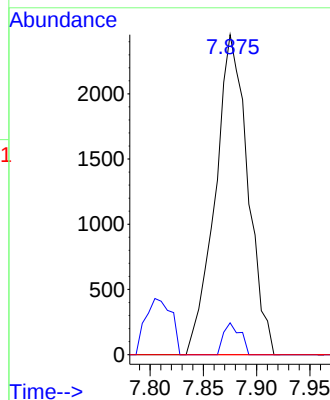
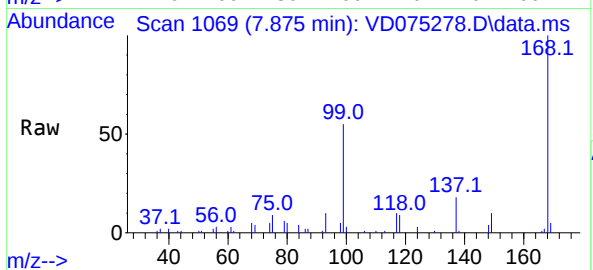
Tgt Ion: 75 Resp: 5231

Ion Ratio Lower Upper

75 100

110 5.1 18.1 54.4#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.027 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD075278.D

Acq: 08 Feb 2023 18:13

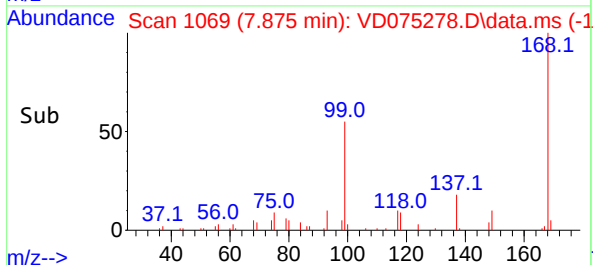
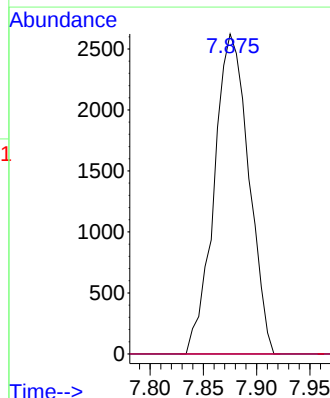
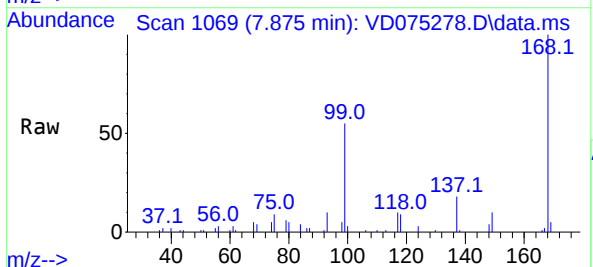
Tgt Ion: 117 Resp: 5921

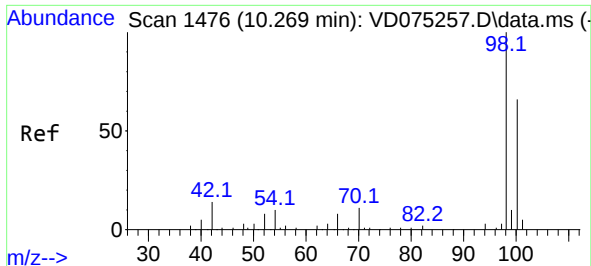
Ion Ratio Lower Upper

117 100

119 0.0 73.6 110.4#

121 0.0 25.4 38.0#

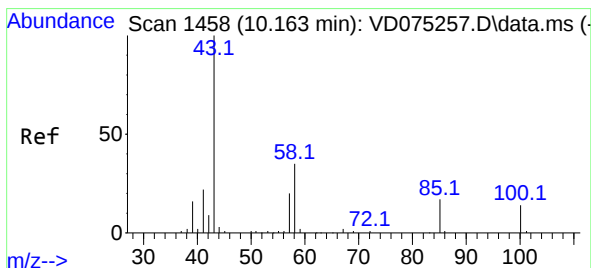
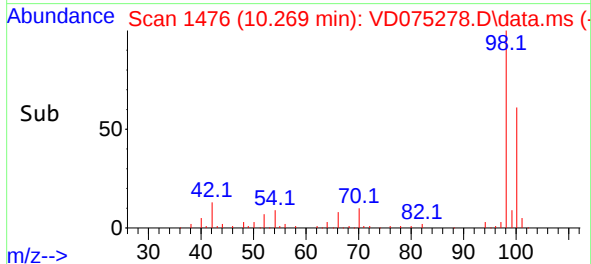
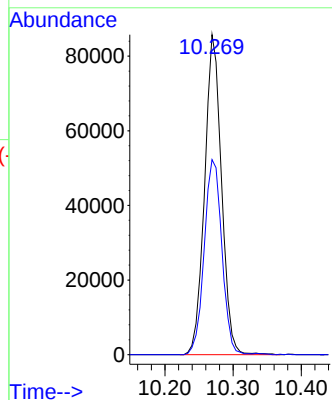
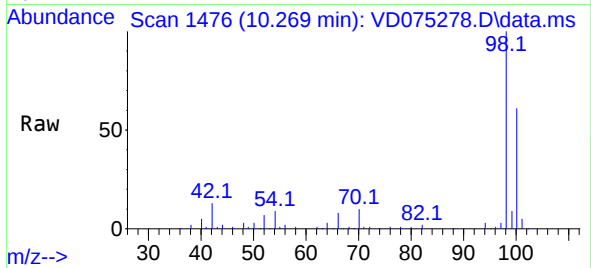




#50
Toluene-d8
Concen: 47.815 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075278.D
Acq: 08 Feb 2023 18:13

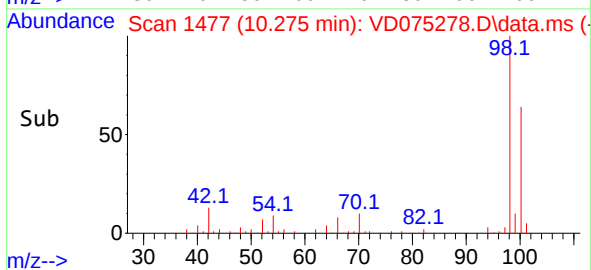
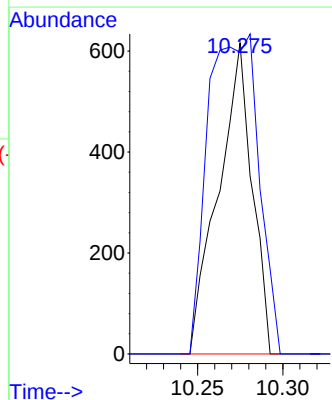
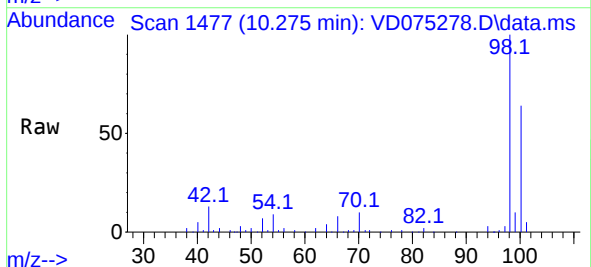
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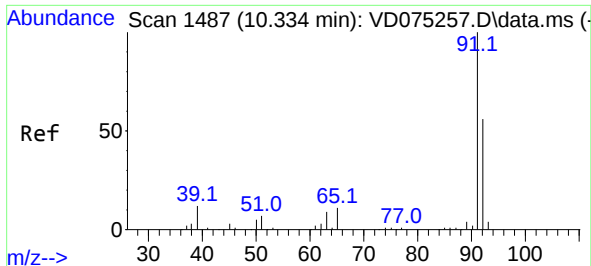
Tgt Ion: 98 Resp: 147955
Ion Ratio Lower Upper
98 100
100 63.6 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.580 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.112 min
Lab File: VD075278.D
Acq: 08 Feb 2023 18:13

Tgt Ion: 43 Resp: 846
Ion Ratio Lower Upper
43 100
58 154.6 31.4 47.0#

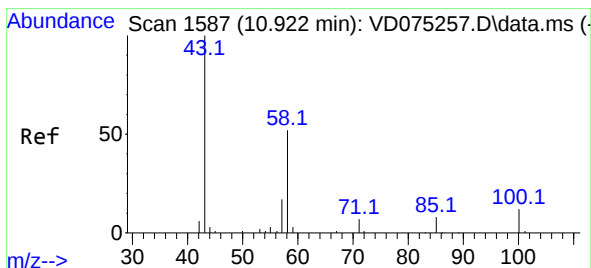
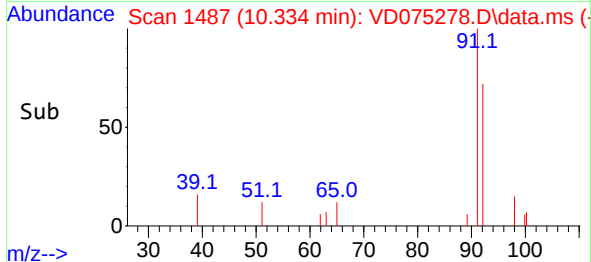
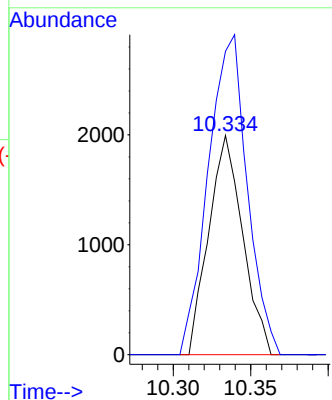
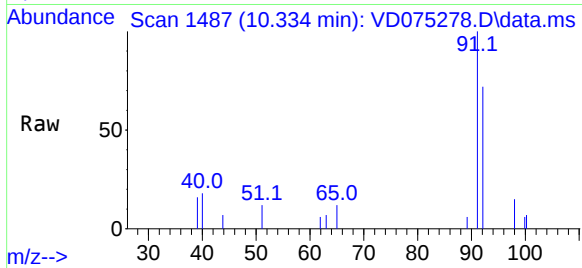




#52
Toluene
Concen: 1.352 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD075278.D
Acq: 08 Feb 2023 18:13

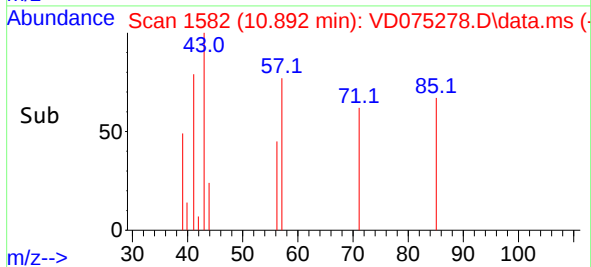
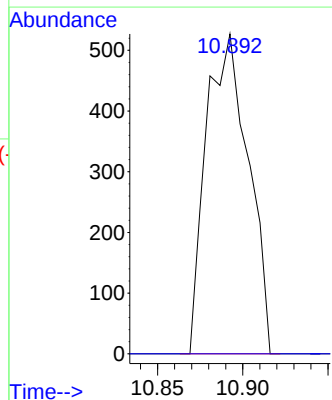
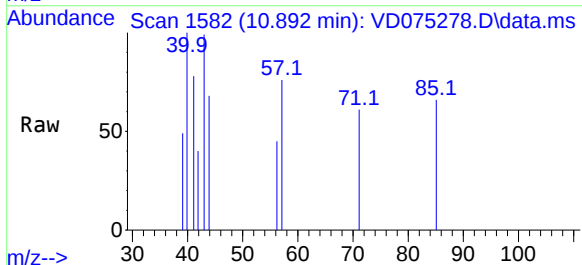
Instrument :
MSVOA_D
ClientSampleId :
1574

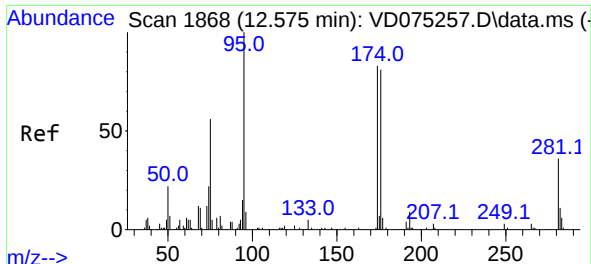
Tgt Ion: 92 Resp: 3043
Ion Ratio Lower Upper
92 100
91 167.0 137.0 205.4



#59
2-Hexanone
Concen: 2.316 ug/l
RT: 10.892 min Scan# 1582
Delta R.T. -0.030 min
Lab File: VD075278.D
Acq: 08 Feb 2023 18:13

Tgt Ion: 43 Resp: 906
Ion Ratio Lower Upper
43 100
58 0.0 26.8 80.4#

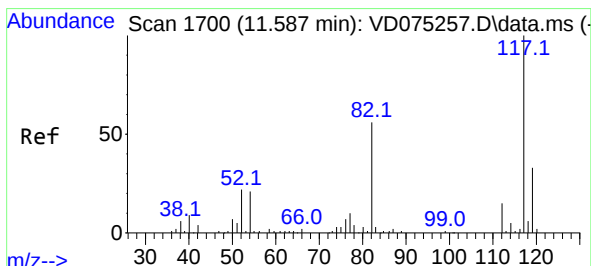
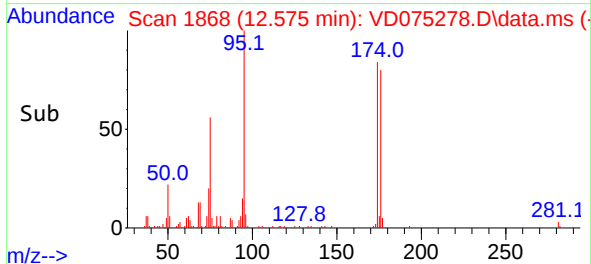
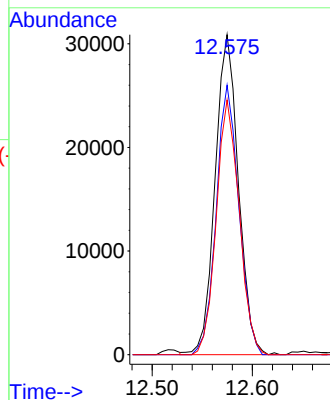
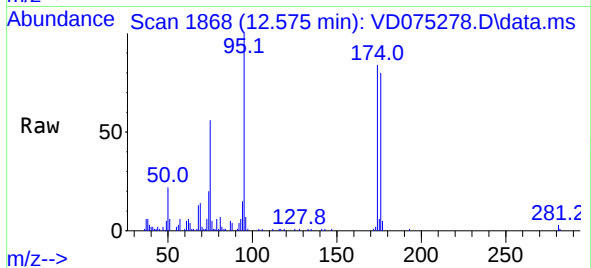




#62
4-Bromofluorobenzene
Concen: 48.790 ug/l
RT: 12.575 min Scan# 11574
Delta R.T. -0.000 min
Lab File: VD075278.D
Acq: 08 Feb 2023 18:13

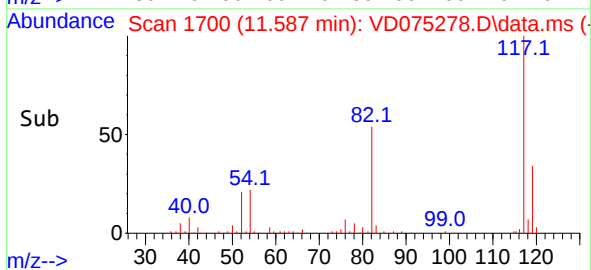
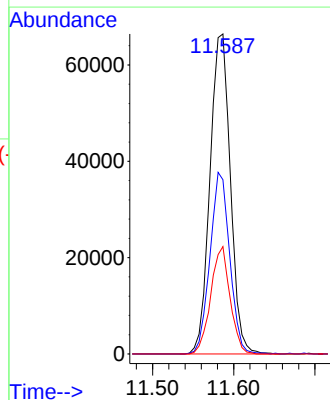
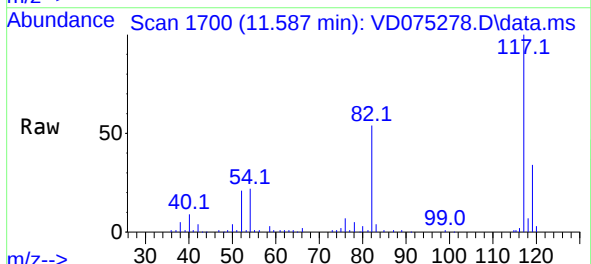
Instrument :
MSVOA_D
ClientSampleId :
1574

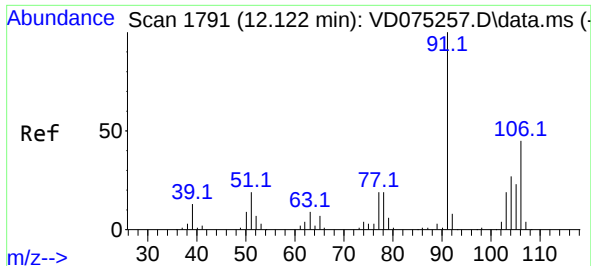
Tgt Ion: 95 Resp: 49780
Ion Ratio Lower Upper
95 100
174 81.9 0.0 161.2
176 78.2 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VD075278.D
Acq: 08 Feb 2023 18:13

Tgt Ion: 117 Resp: 115942
Ion Ratio Lower Upper
117 100
82 54.5 39.6 59.4
119 33.6 24.6 37.0

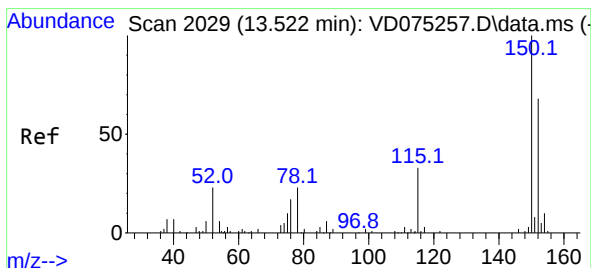
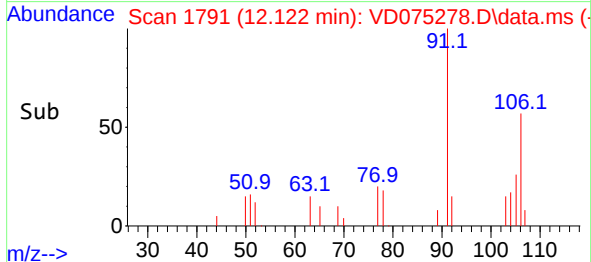
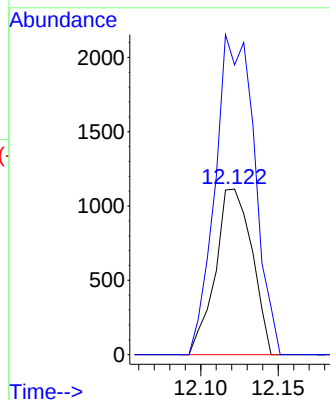
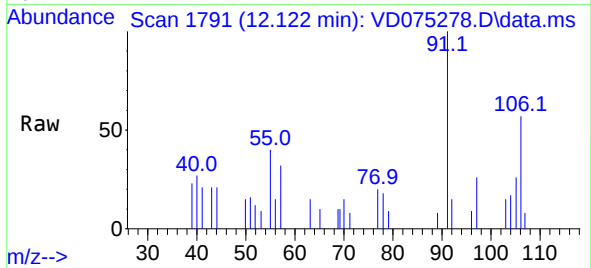




#69
o-Xylene
Concen: 1.069 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD075278.D
Acq: 08 Feb 2023 18:13

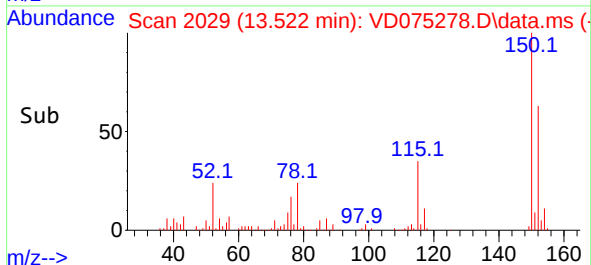
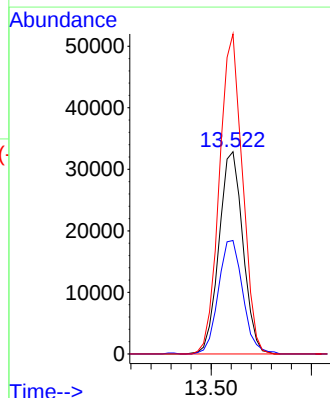
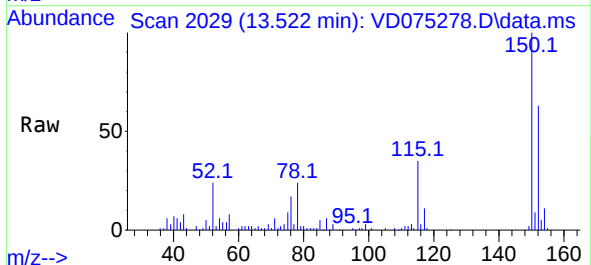
Instrument :
MSVOA_D
ClientSampleId :
1574

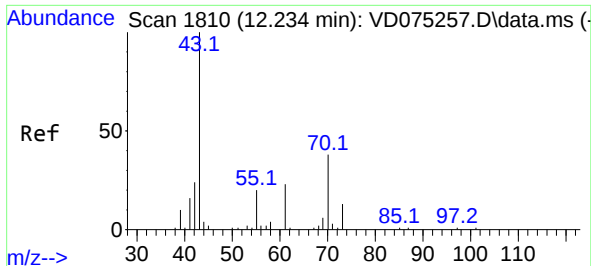
Tgt Ion:106 Resp: 1833
Ion Ratio Lower Upper
106 100
91 207.4 103.6 310.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075278.D
Acq: 08 Feb 2023 18:13

Tgt Ion:152 Resp: 54395
Ion Ratio Lower Upper
152 100
115 57.6 28.8 86.4
150 152.6 0.0 348.6

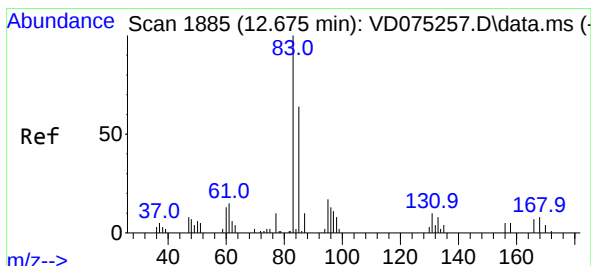
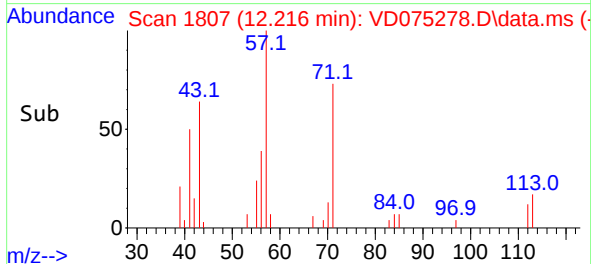
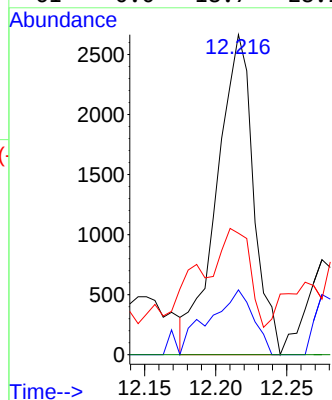
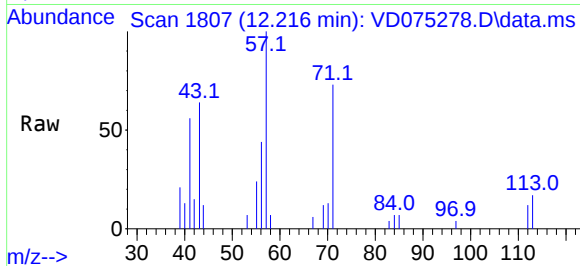




#74
N-amy1 acetate
Concen: 4.849 ug/l
RT: 12.216 min Scan# 1807
Delta R.T. -0.018 min
Lab File: VD075278.D
Acq: 08 Feb 2023 18:13

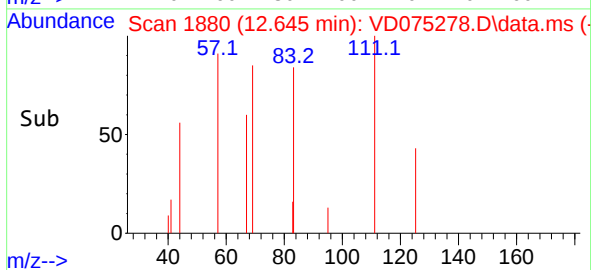
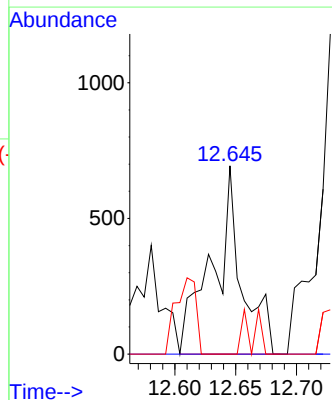
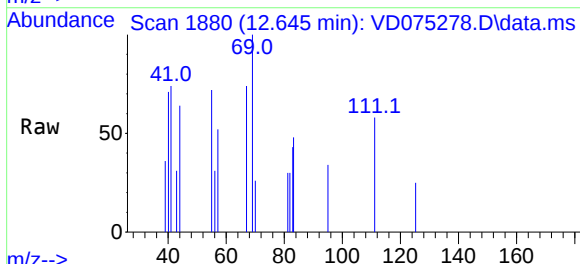
Instrument :
MSVOA_D
ClientSampleId :
1574

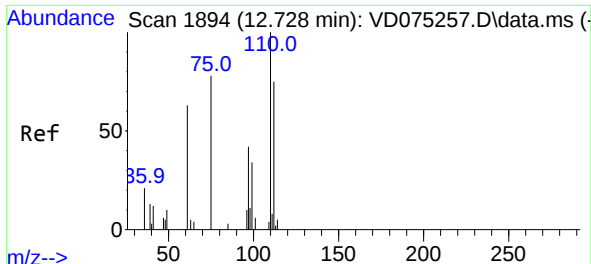
Tgt Ion: 43	Resp: 4802
Ion Ratio	Lower Upper
43 100	
70 25.7	32.6 49.0#
55 26.8	17.8 26.8#
61 0.0	18.7 28.1#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.513 ug/l
RT: 12.645 min Scan# 1880
Delta R.T. -0.030 min
Lab File: VD075278.D
Acq: 08 Feb 2023 18:13

Tgt Ion: 83	Resp: 1160
Ion Ratio	Lower Upper
83 100	
131 0.0	4.9 14.6#
85 0.0	31.9 95.7#

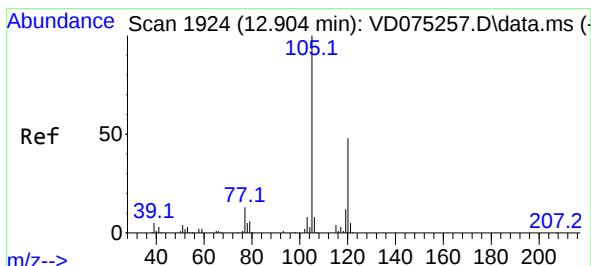
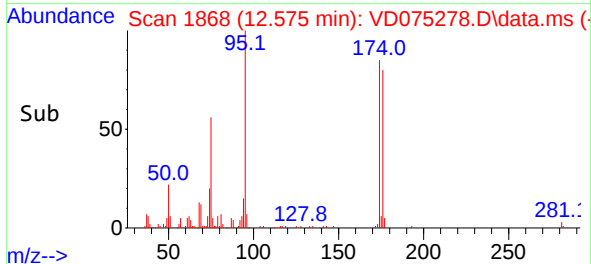
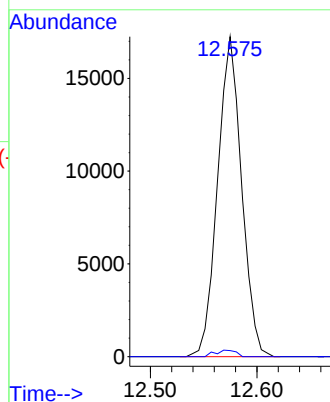
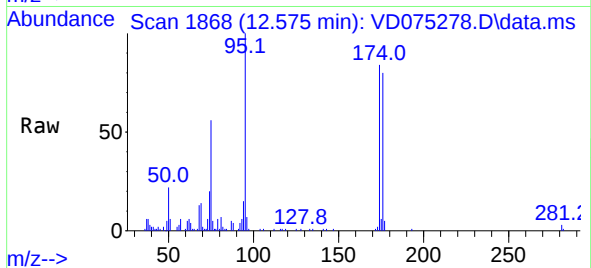




#76
1,2,3-Trichloropropane
Concen: 43.622 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075278.D
Acq: 08 Feb 2023 18:13

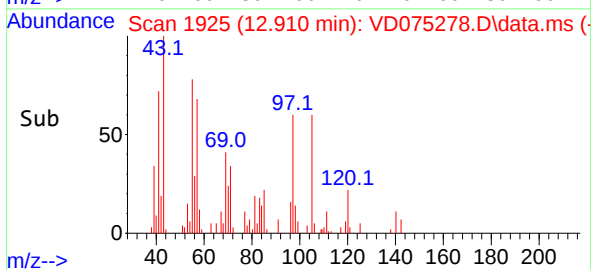
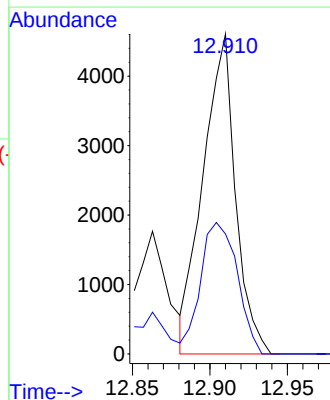
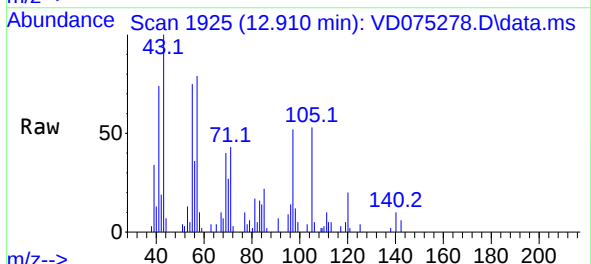
Instrument :
MSVOA_D
ClientSampleId :
1574

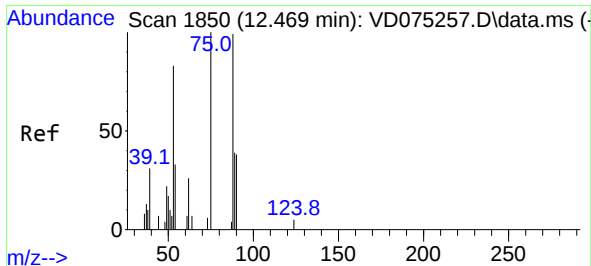
Tgt Ion: 75 Resp: 26952
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.826 ug/l
RT: 12.910 min Scan# 1925
Delta R.T. 0.006 min
Lab File: VD075278.D
Acq: 08 Feb 2023 18:13

Tgt Ion:105 Resp: 6701
Ion Ratio Lower Upper
105 100
120 46.5 24.6 73.8

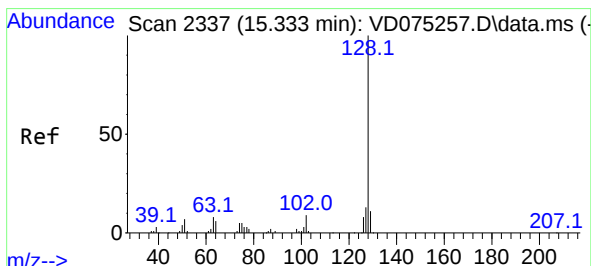
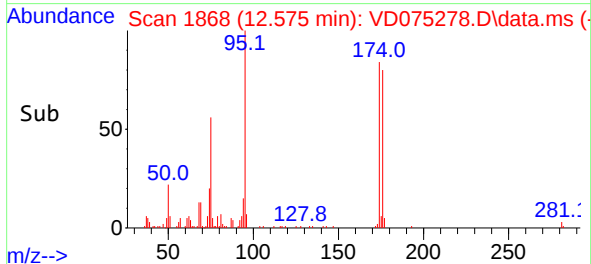
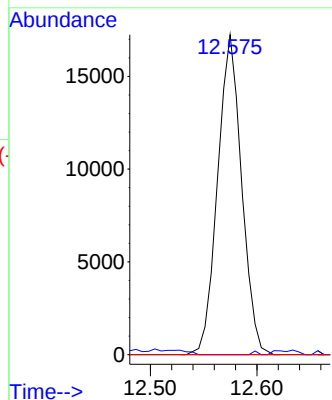
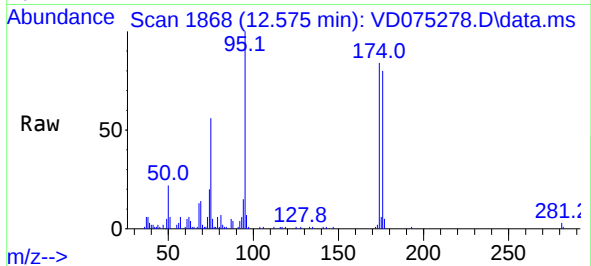




#81
trans-1,4-Dichloro-2-butene
Concen: 137.760 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075278.D
Acq: 08 Feb 2023 18:13

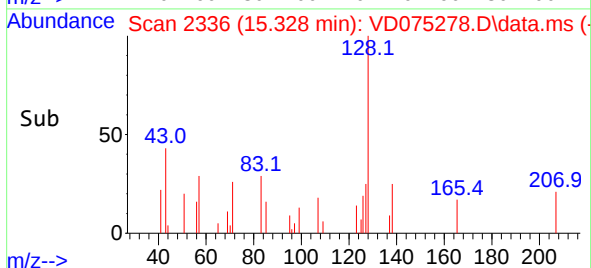
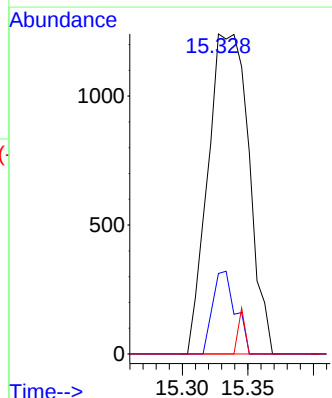
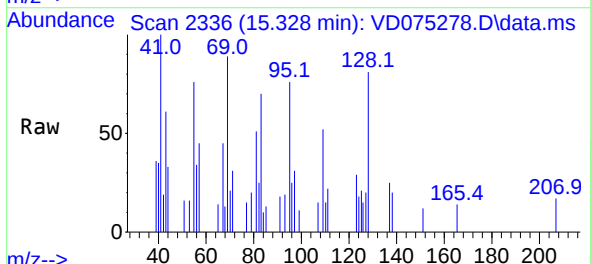
Instrument :
MSVOA_D
ClientSampleId :
1574

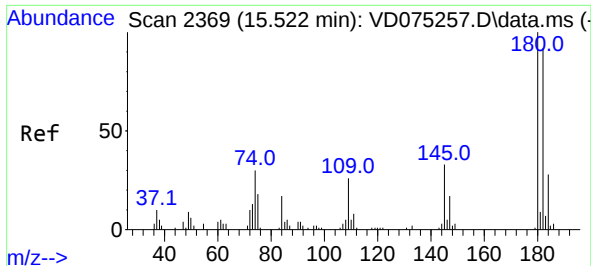
Tgt Ion: 75 Resp: 26952
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.0 34.6 52.0#



#95
Naphthalene
Concen: 1.322 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.005 min
Lab File: VD075278.D
Acq: 08 Feb 2023 18:13

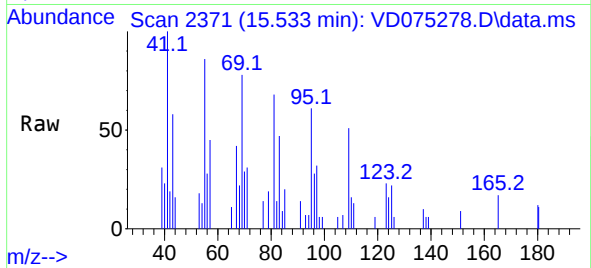
Tgt Ion:128 Resp: 2696
Ion Ratio Lower Upper
128 100
127 14.4 10.6 15.8
129 2.3 8.7 13.1#





#96
1,2,3-Trichlorobenzene
Concen: 1.204 ug/l
RT: 15.533 min Scan# 21
Delta R.T. 0.011 min
Lab File: VD075278.D
Acq: 08 Feb 2023 18:13

Instrument :
MSVOA_D
ClientSampleId :
1574



Tgt Ion:180 Resp: 1139

Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.0	141.0#
145	0.0	16.1	48.3#

