

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD013023\
 Data File : VD075237.D
 Acq On : 30 Jan 2023 14:52
 Operator : KP/SY
 Sample : 01348-03
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 W-H5(31-32)

Quant Time: Jan 31 00:22:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 19 01:32:27 2023
 Response via : Initial Calibration

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

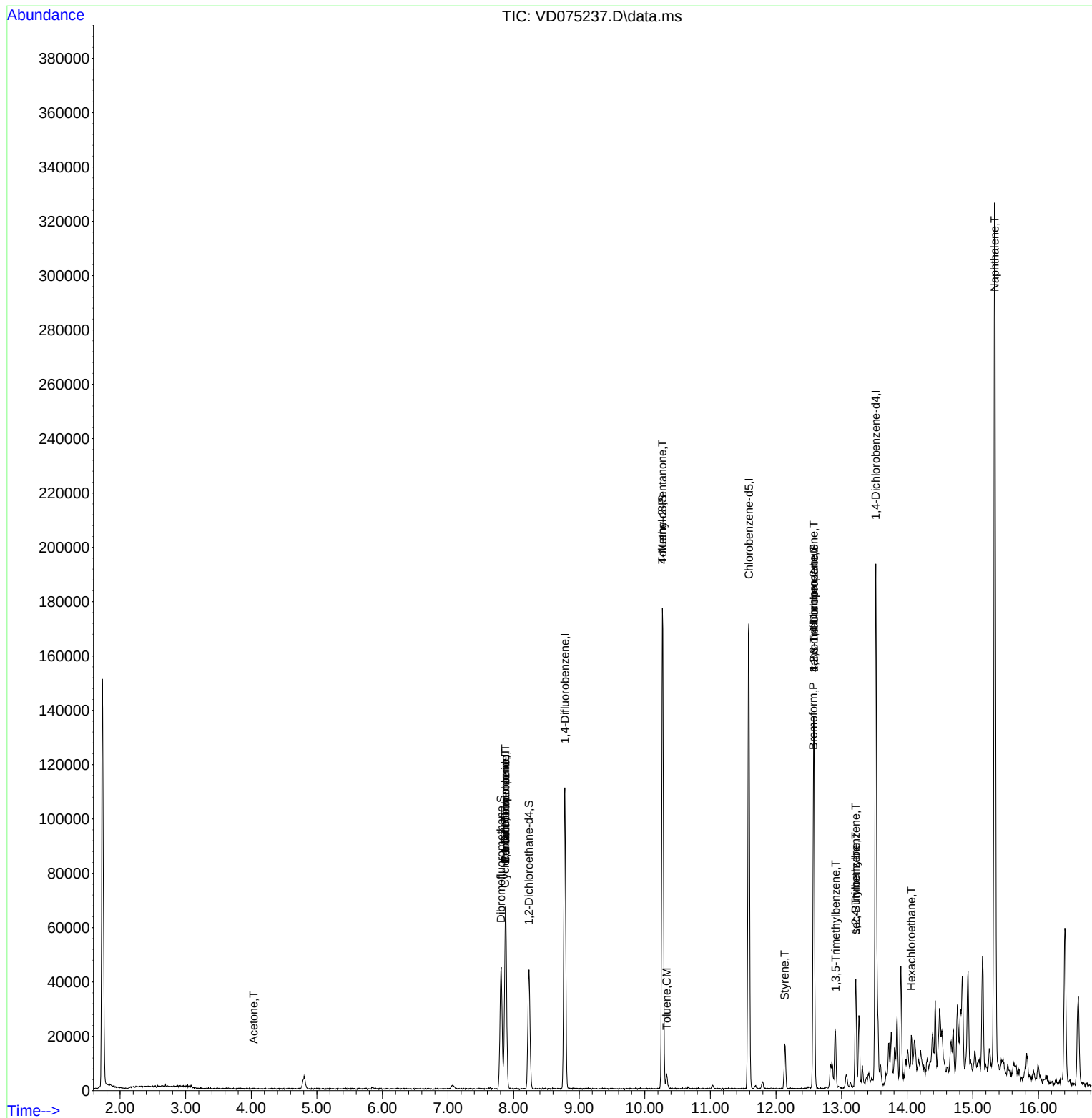
Internal Standards						
1) Pentafluorobenzene	7.875	168	51177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	95663	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	97042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	48625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	33622	64.383	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.760%			
35) Dibromofluoromethane	7.811	113	31952	55.274	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.540%			
50) Toluene-d8	10.269	98	120312	52.860	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.720%			
62) 4-Bromofluorobenzene	12.575	95	42403	58.702	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 117.400%			
Target Compounds					Qvalue	
16) Acetone	4.034	43	228	1.655	ug/l #	42
20) Methylene Chloride	4.805	84	3205	Below Cal	#	94
31) Cyclohexane	7.869	56	1355	1.294	ug/l #	54
36) 1,1-Dichloropropene	7.875	75	3895	4.194	ug/l #	43
38) Carbon Tetrachloride	7.875	117	5229	6.687	ug/l #	14
51) 4-Methyl-2-Pentanone	10.269	43	472	1.350	ug/l #	1
52) Toluene	10.334	92	2126	1.270	ug/l	91
70) Styrene	12.134	104	8086	3.750	ug/l	93
71) Bromoform	12.569	173	375	1.086	ug/l #	27
76) 1,2,3-Trichloropropane	12.575	75	22772	55.296	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.910	105	7822	2.486	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.575	75	22772	128.264	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.216	105	20701	6.699	ug/l	94
85) sec-Butylbenzene	13.216	105	20701	5.005	ug/l #	55
90) Hexachloroethane	14.063	117	1005	1.681	ug/l #	15
95) Naphthalene	15.334	128	267547	140.672	ug/l	100

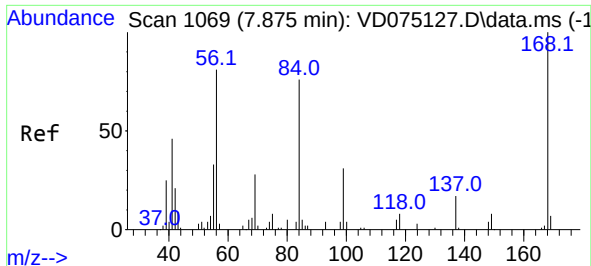
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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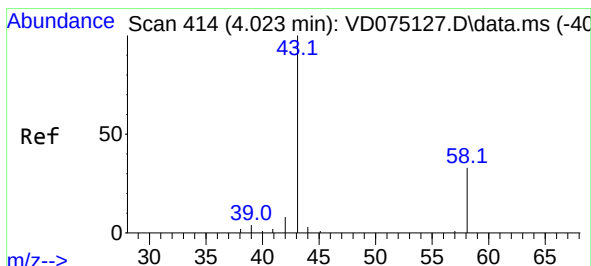
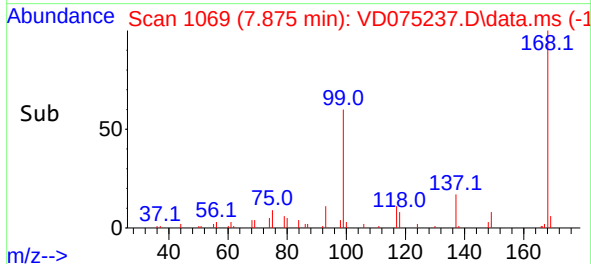
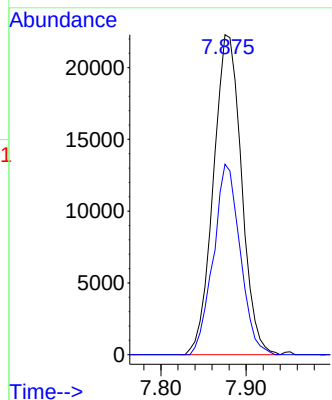
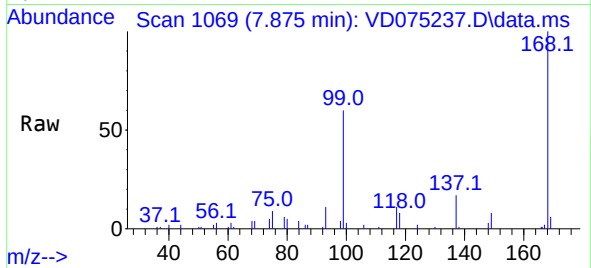




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075237.D
Acq: 30 Jan 2023 14:52

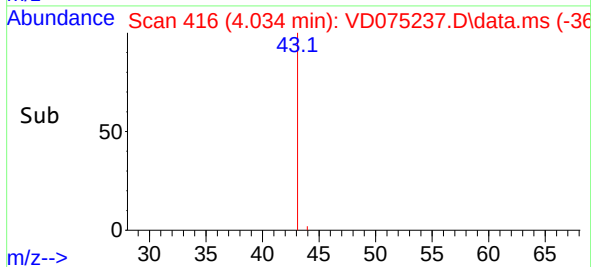
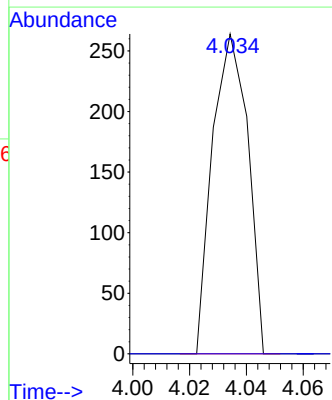
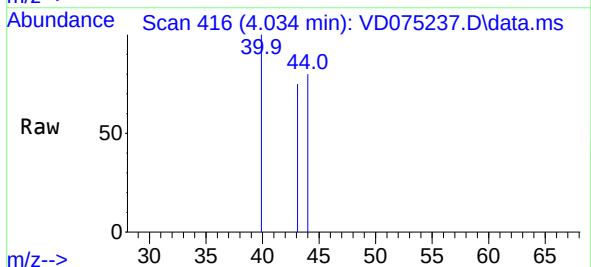
Instrument :
MSVOA_D
ClientSampleId :
W-H5(31-32)

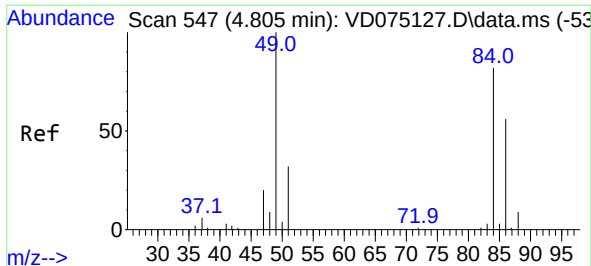
Tgt Ion:168 Resp: 51177
Ion Ratio Lower Upper
168 100
99 59.5 45.2 67.8



#16
Acetone
Concen: 1.655 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.012 min
Lab File: VD075237.D
Acq: 30 Jan 2023 14:52

Tgt Ion: 43 Resp: 228
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#



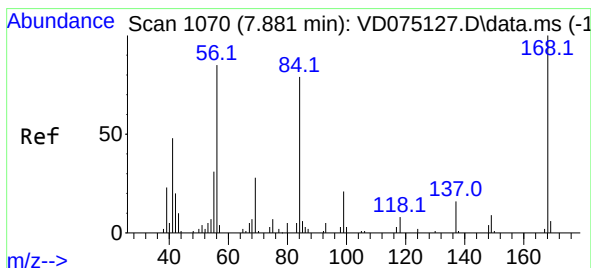
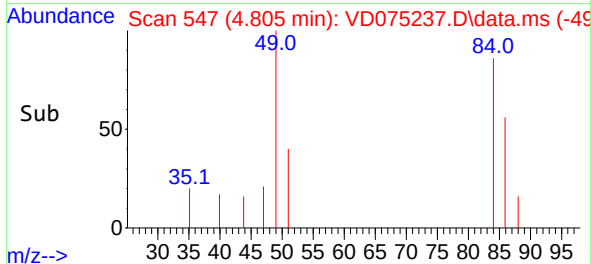
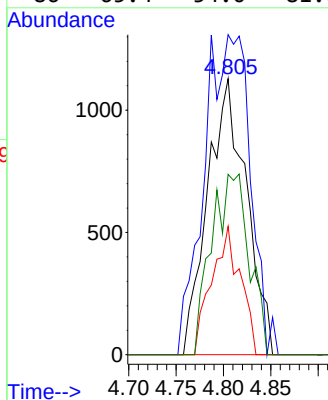
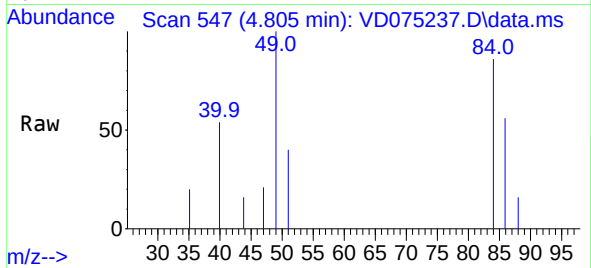


#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD075237.D
Acq: 30 Jan 2023 14:52

Instrument :
MSVOA_D
ClientSampleId :
W-H5(31-32)

Tgt Ion: 84 Resp: 3205

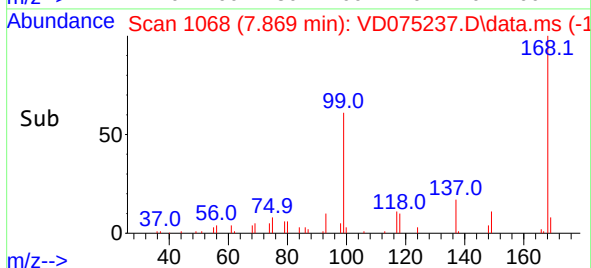
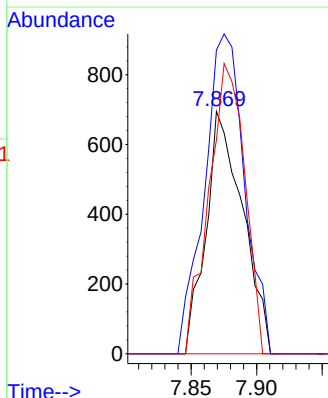
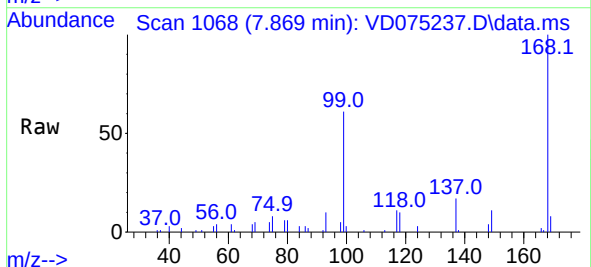
Ion	Ratio	Lower	Upper
84	100		
49	115.9	97.0	145.6
51	46.5	30.9	46.3#
86	65.4	54.0	81.0

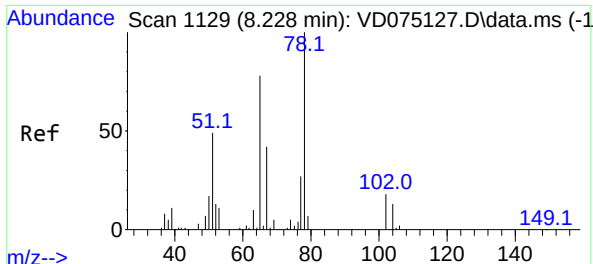


#31
Cyclohexane
Concen: 1.294 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD075237.D
Acq: 30 Jan 2023 14:52

Tgt Ion: 56 Resp: 1355

Ion	Ratio	Lower	Upper
56	100		
69	125.3	26.6	40.0#
84	88.2	74.1	111.1

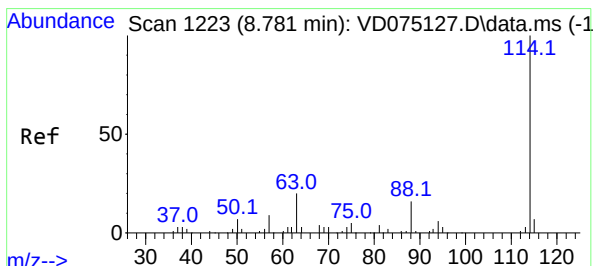
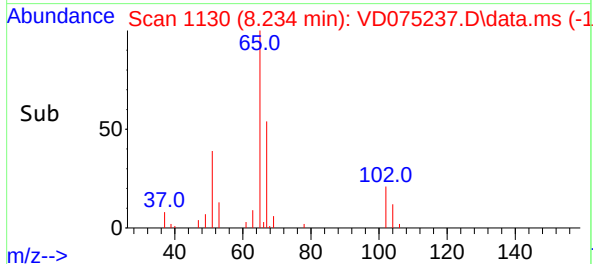
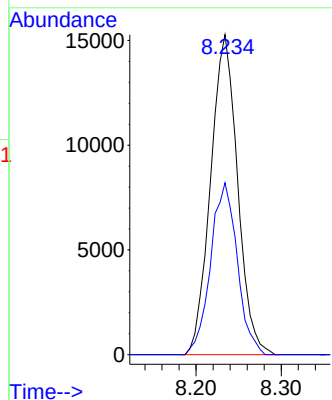
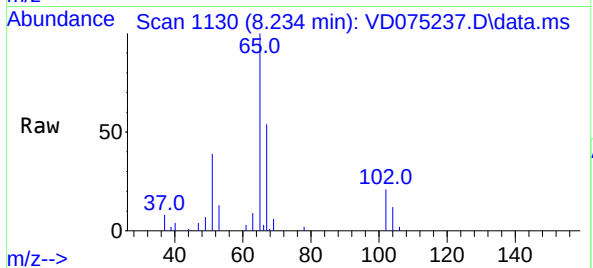




#33
1,2-Dichloroethane-d4
Concen: 64.383 ug/l
RT: 8.234 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VD075237.D
Acq: 30 Jan 2023 14:52

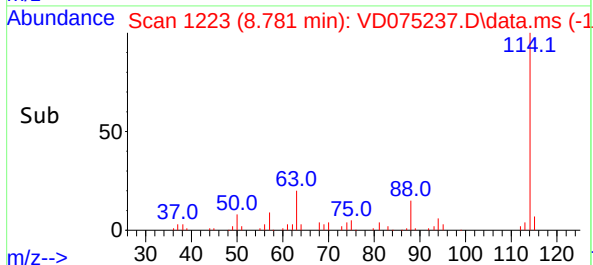
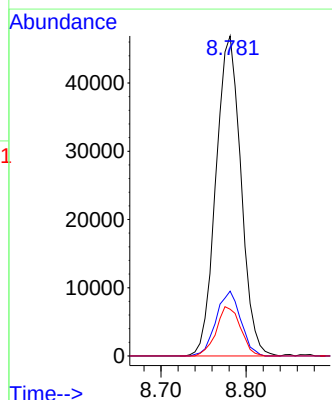
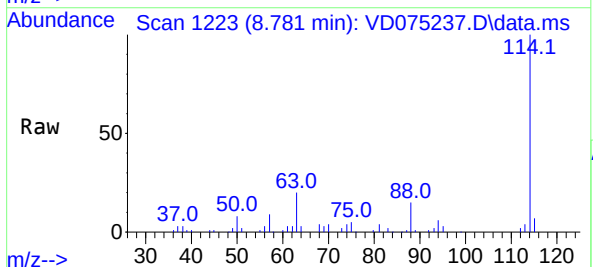
Instrument :
MSVOA_D
ClientSampleId :
W-H5(31-32)

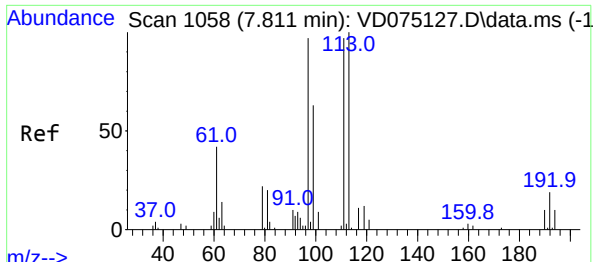
Tgt Ion: 65 Resp: 33622
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1223
Delta R.T. -0.000 min
Lab File: VD075237.D
Acq: 30 Jan 2023 14:52

Tgt Ion: 114 Resp: 95663
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.2
88 14.6 0.0 32.2



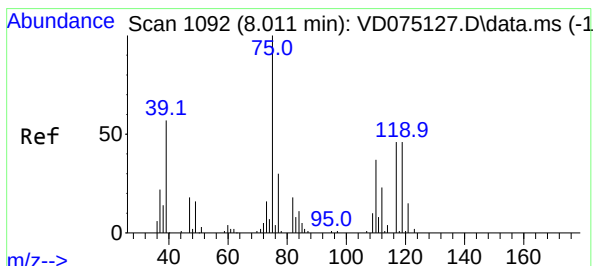
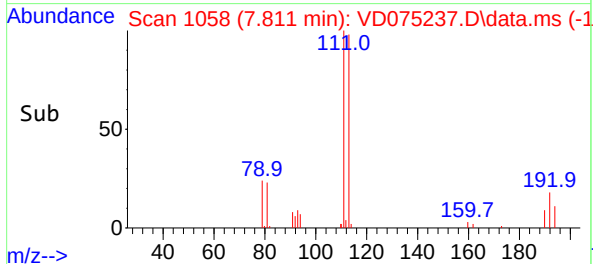
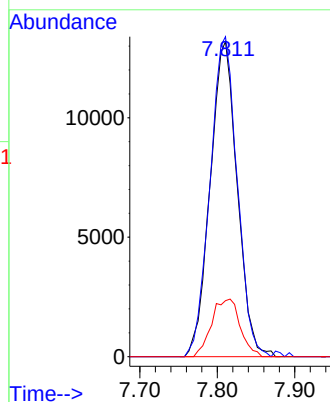
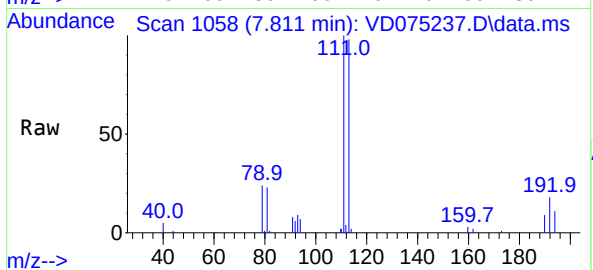


#35
Dibromofluoromethane
Concen: 55.274 ug/l
RT: 7.811 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VD075237.D
Acq: 30 Jan 2023 14:52

Instrument :
MSVOA_D
ClientSampleId :
W-H5(31-32)

Tgt Ion: 113 Resp: 31952

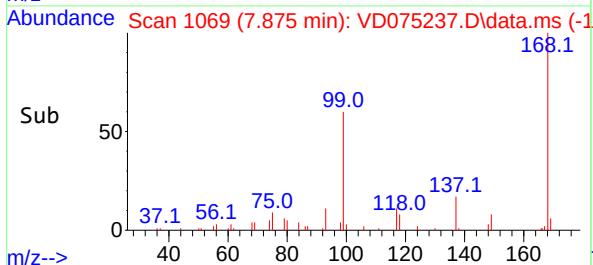
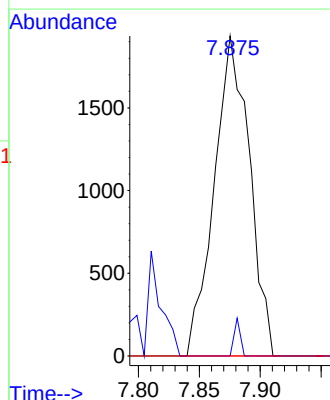
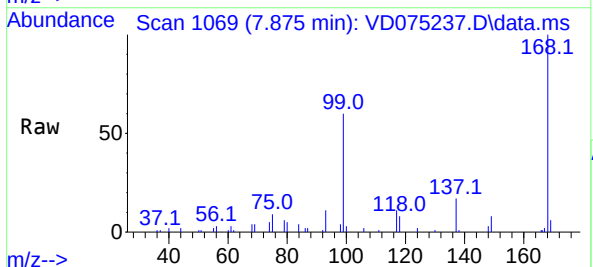
Ion	Ratio	Lower	Upper
113	100		
111	102.0	80.1	120.1
192	19.3	15.4	23.0

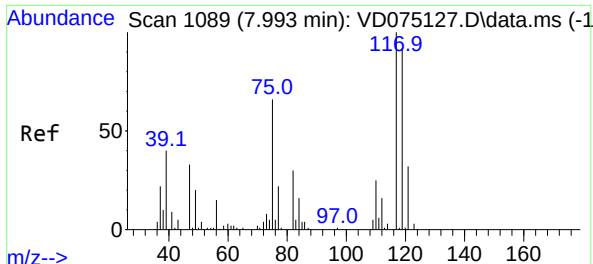


#36
1,1-Dichloropropene
Concen: 4.194 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD075237.D
Acq: 30 Jan 2023 14:52

Tgt Ion: 75 Resp: 3895

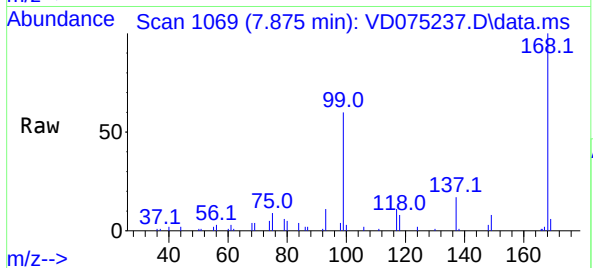
Ion	Ratio	Lower	Upper
75	100		
110	2.1	18.1	54.4#
77	0.0	25.1	37.7#



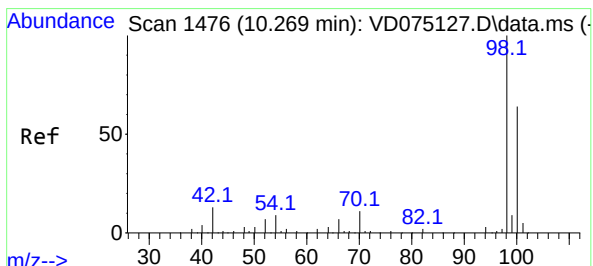
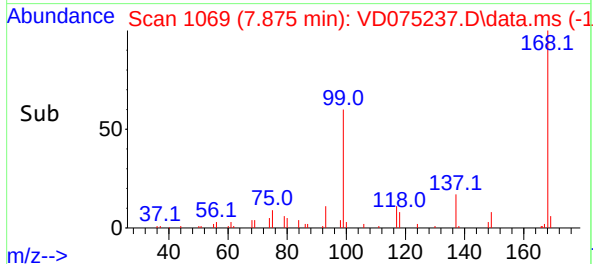
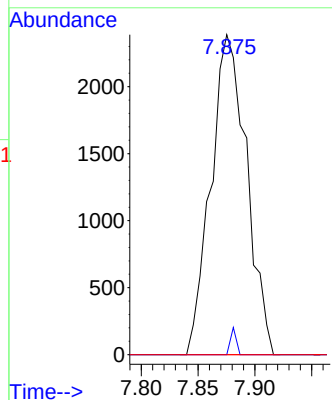


#38
Carbon Tetrachloride
Concen: 6.687 ug/l
RT: 7.875 min Scan# 1089
Delta R.T. -0.118 min
Lab File: VD075237.D
Acq: 30 Jan 2023 14:52

Instrument :
MSVOA_D
ClientSampleId :
W-H5(31-32)

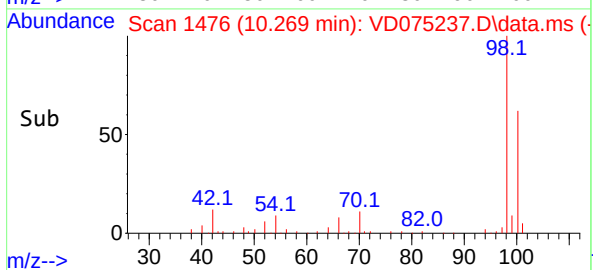
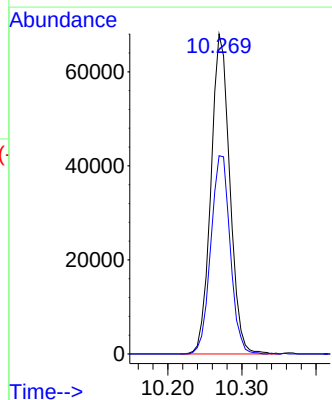
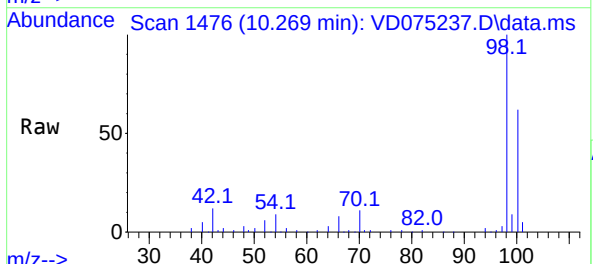


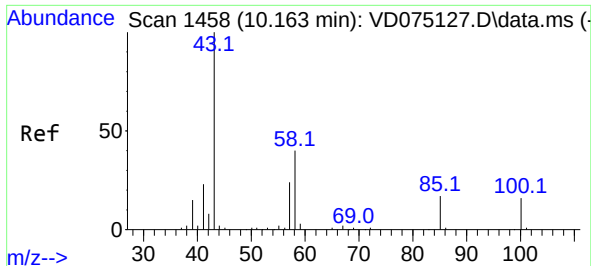
Tgt Ion:117 Resp: 5229
Ion Ratio Lower Upper
117 100
119 0.0 73.6 110.4#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 52.860 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075237.D
Acq: 30 Jan 2023 14:52

Tgt Ion: 98 Resp: 120312
Ion Ratio Lower Upper
98 100
100 63.6 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 1.350 ug/l

RT: 10.269 min Scan# 1458

Delta R.T. 0.106 min

Lab File: VD075237.D

Acq: 30 Jan 2023 14:52

Instrument :

MSVOA_D

ClientSampleId :

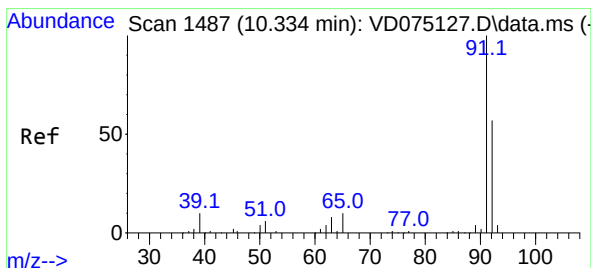
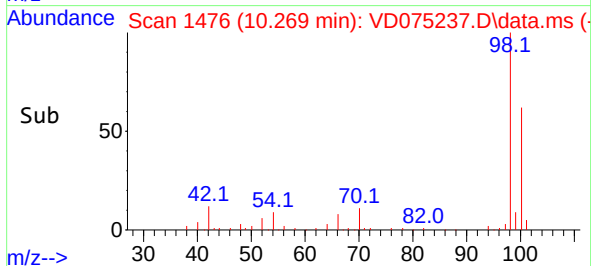
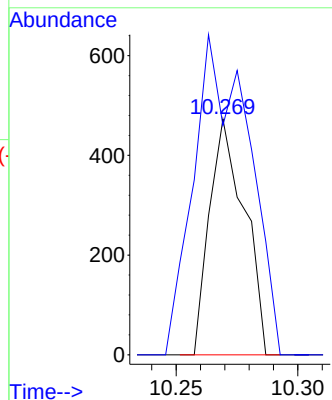
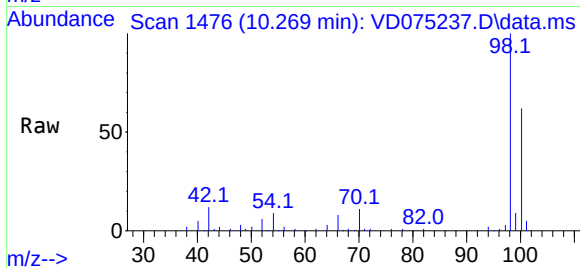
W-H5(31-32)

Tgt Ion: 43 Resp: 472

Ion Ratio Lower Upper

43 100

58 212.9 31.4 47.0#



#52

Toluene

Concen: 1.270 ug/l

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD075237.D

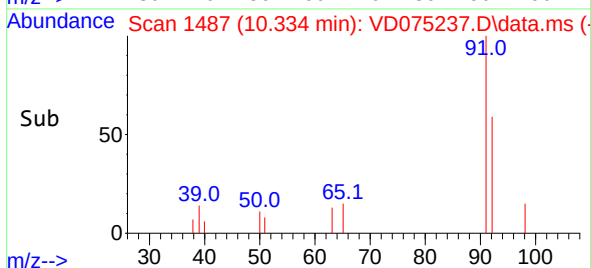
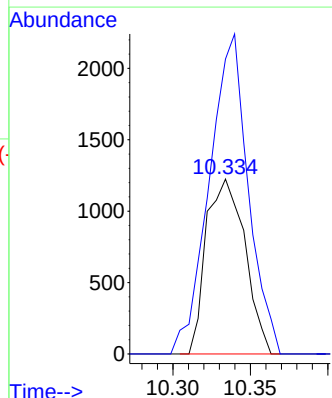
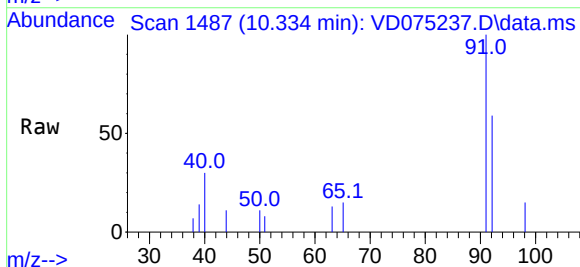
Acq: 30 Jan 2023 14:52

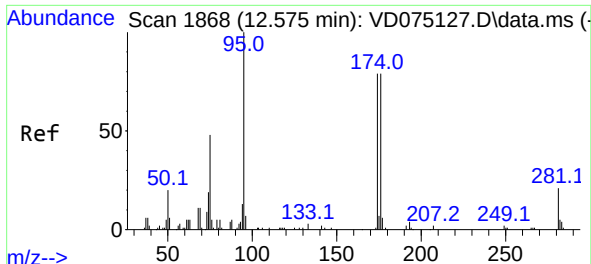
Tgt Ion: 92 Resp: 2126

Ion Ratio Lower Upper

92 100

91 184.0 137.0 205.4

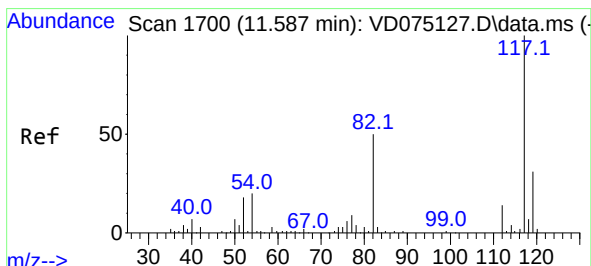
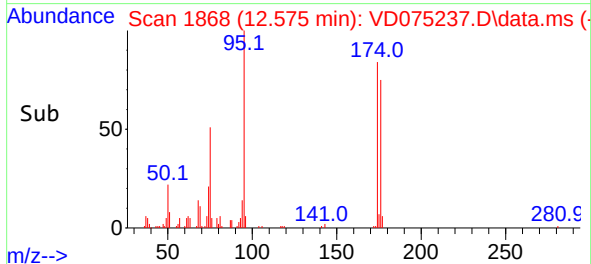
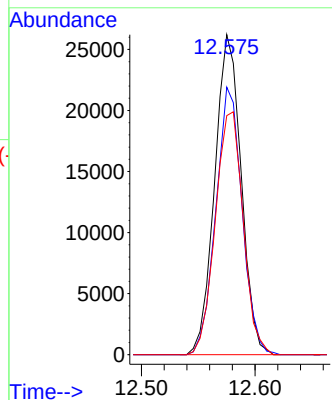
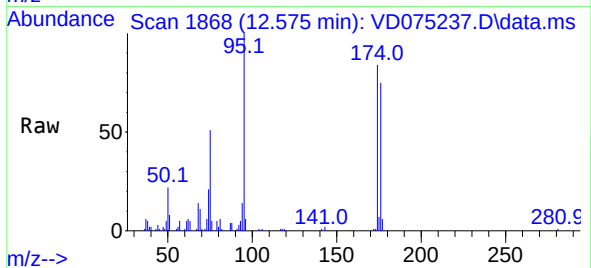




#62
4-Bromofluorobenzene
Concen: 58.702 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075237.D
Acq: 30 Jan 2023 14:52

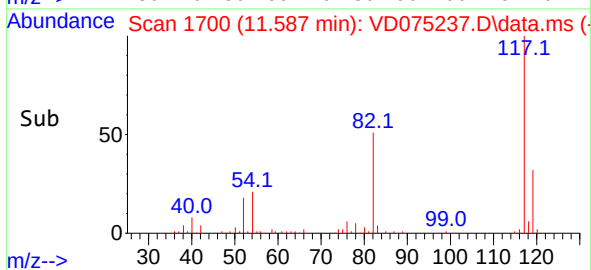
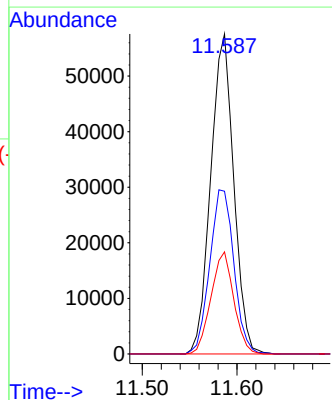
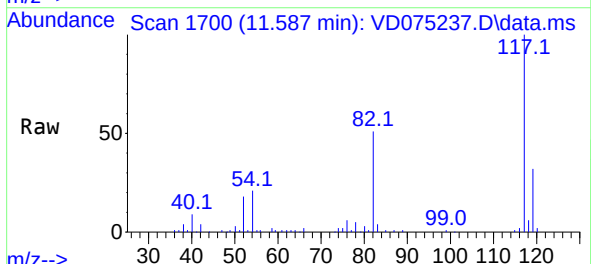
Instrument :
MSVOA_D
ClientSampleId :
W-H5(31-32)

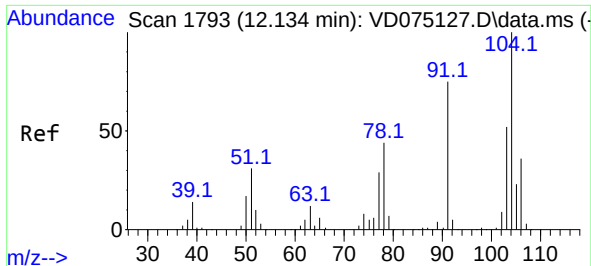
Tgt Ion:	95	Resp:	42403
Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	161.2
176	79.8	0.0	160.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VD075237.D
Acq: 30 Jan 2023 14:52

Tgt Ion:	117	Resp:	97042
Ion	Ratio	Lower	Upper
117	100		
82	50.9	39.6	59.4
119	31.9	24.6	37.0

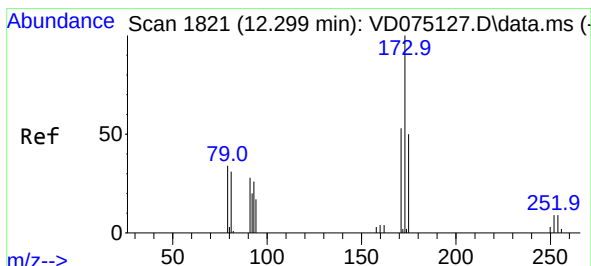
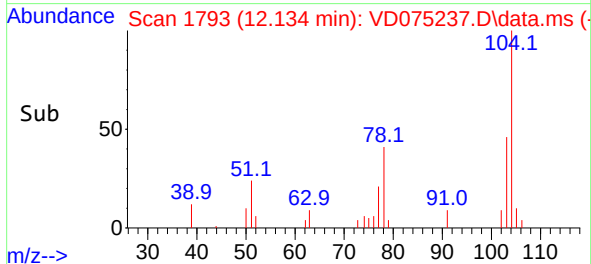
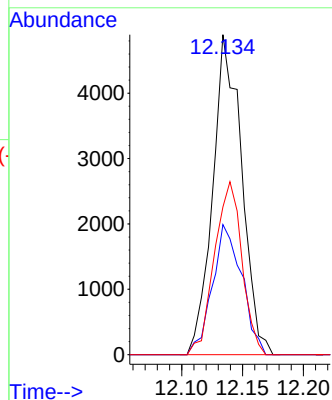
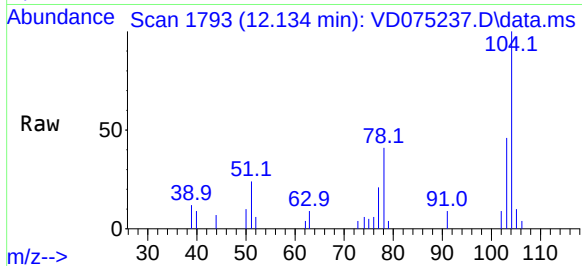




#70
Styrene
Concen: 3.750 ug/l
RT: 12.134 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075237.D
Acq: 30 Jan 2023 14:52

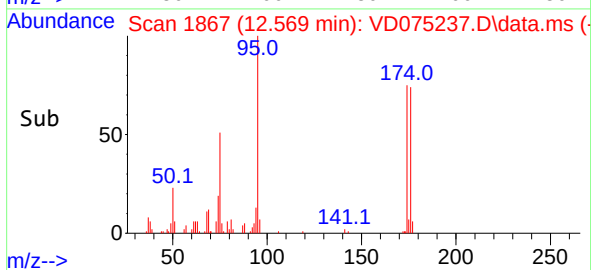
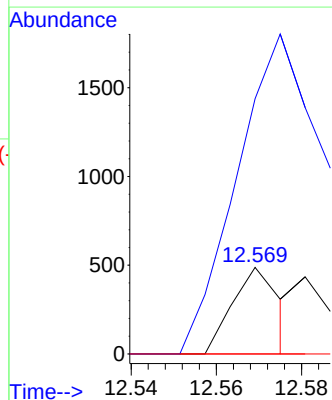
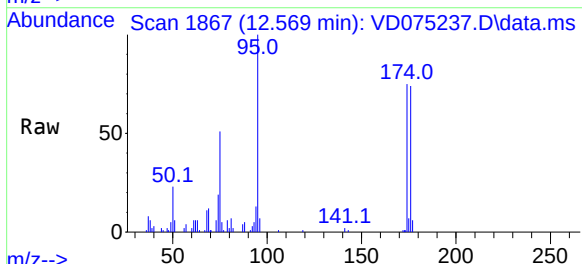
Instrument :
MSVOA_D
ClientSampleId :
W-H5(31-32)

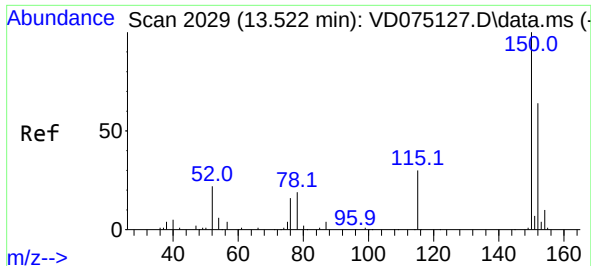
Tgt Ion:	104	Resp:	8086
Ion	Ratio	Lower	Upper
104	100		
78	41.3	38.9	58.3
103	51.6	43.6	65.4



#71
Bromoform
Concen: 1.086 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.271 min
Lab File: VD075237.D
Acq: 30 Jan 2023 14:52

Tgt Ion:	173	Resp:	375
Ion	Ratio	Lower	Upper
173	100		
175	0.0	25.4	76.0#
254	0.0	0.0	0.0

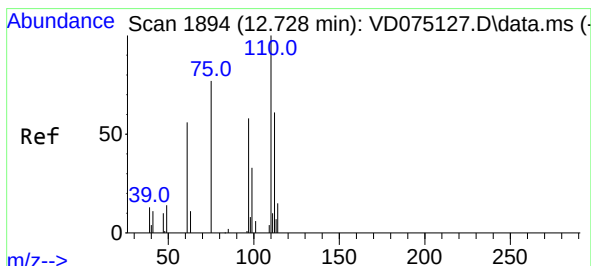
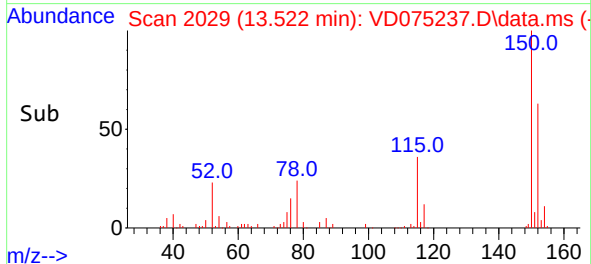
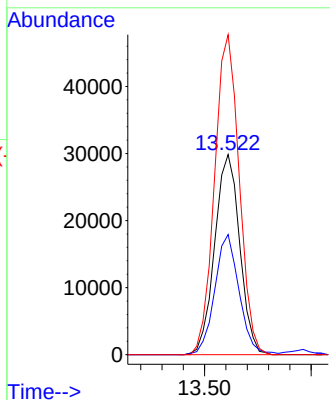
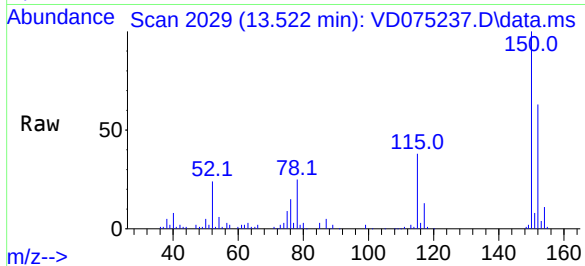




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2029
 Delta R.T. -0.000 min
 Lab File: VD075237.D
 Acq: 30 Jan 2023 14:52

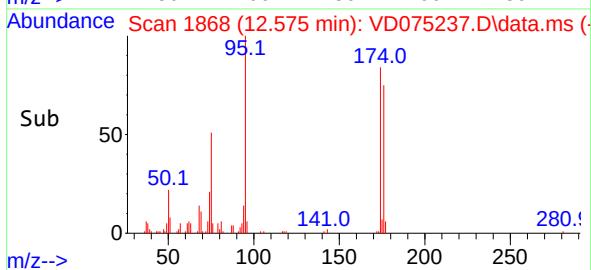
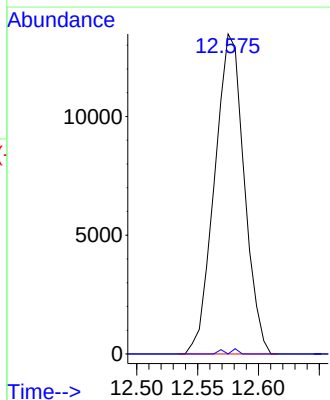
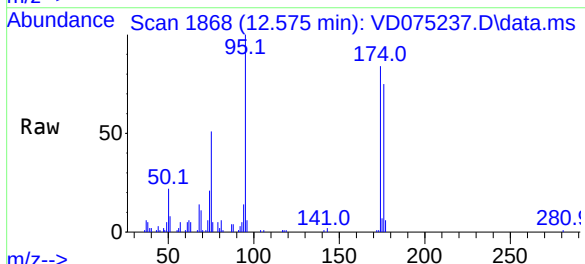
Instrument :
 MSVOA_D
 ClientSampleId :
 W-H5(31-32)

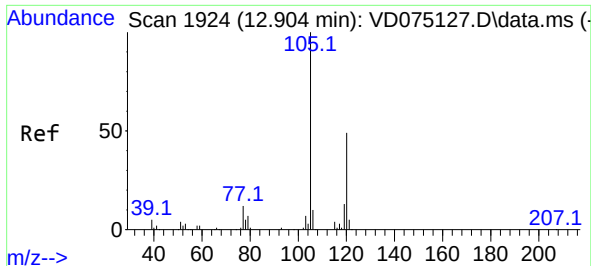
Tgt Ion:152 Resp: 48625
 Ion Ratio Lower Upper
 152 100
 115 58.6 28.8 86.4
 150 157.2 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 55.296 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD075237.D
 Acq: 30 Jan 2023 14:52

Tgt Ion: 75 Resp: 22772
 Ion Ratio Lower Upper
 75 100
 77 0.3 0.0 0.0#

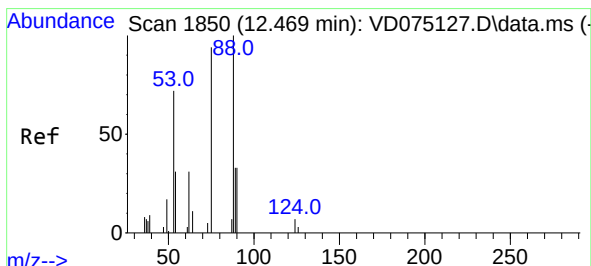
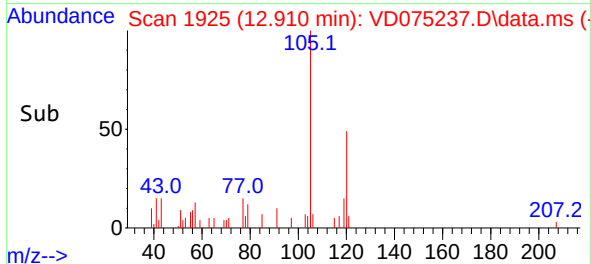
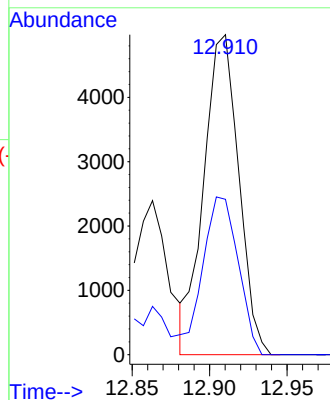
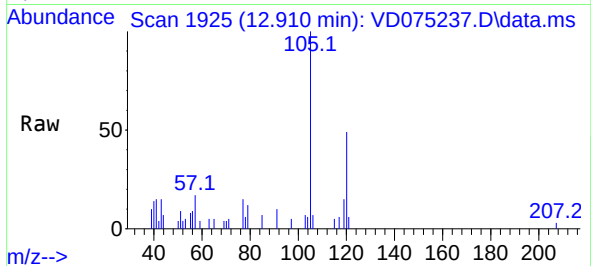




#80
1,3,5-Trimethylbenzene
Concen: 2.486 ug/l
RT: 12.910 min Scan# 1924
Delta R.T. 0.006 min
Lab File: VD075237.D
Acq: 30 Jan 2023 14:52

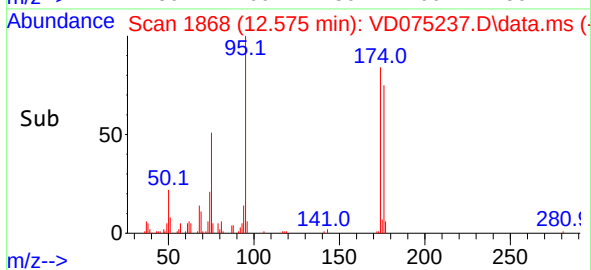
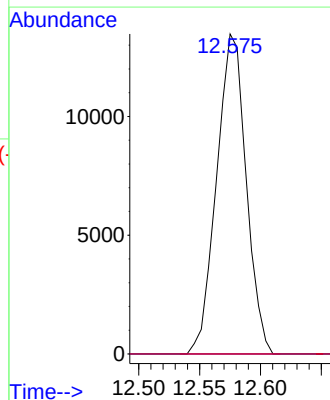
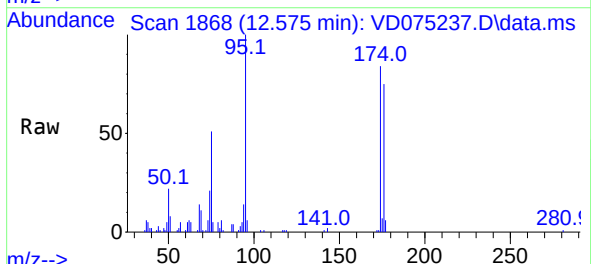
Instrument :
MSVOA_D
ClientSampleId :
W-H5(31-32)

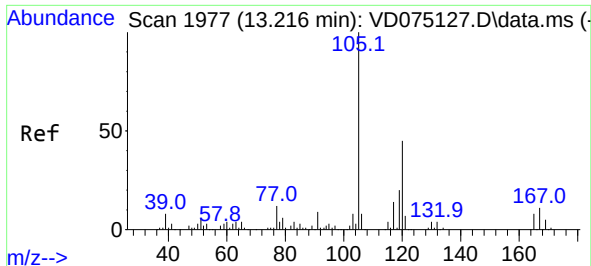
Tgt Ion:105 Resp: 7822
Ion Ratio Lower Upper
105 100
120 51.0 24.6 73.8



#81
trans-1,4-Dichloro-2-butene
Concen: 128.264 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075237.D
Acq: 30 Jan 2023 14:52

Tgt Ion: 75 Resp: 22772
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.0 34.6 52.0#

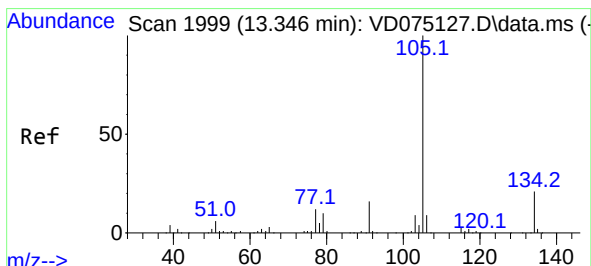
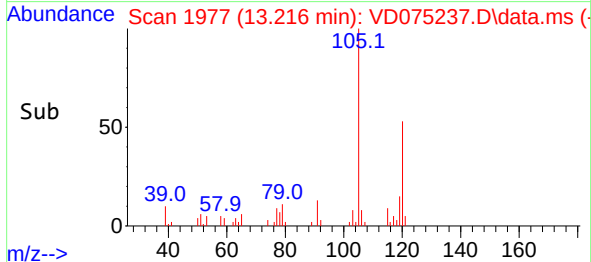
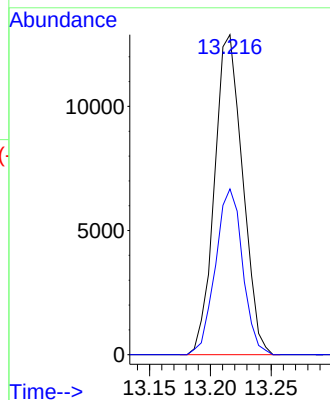
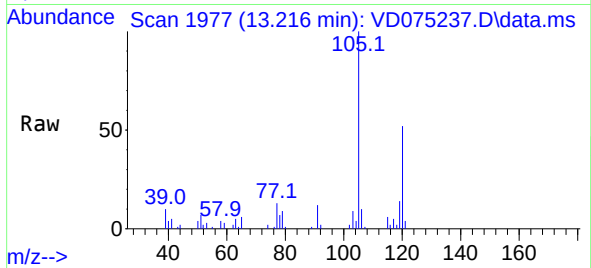




#84
1,2,4-Trimethylbenzene
Concen: 6.699 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. -0.000 min
Lab File: VD075237.D
Acq: 30 Jan 2023 14:52

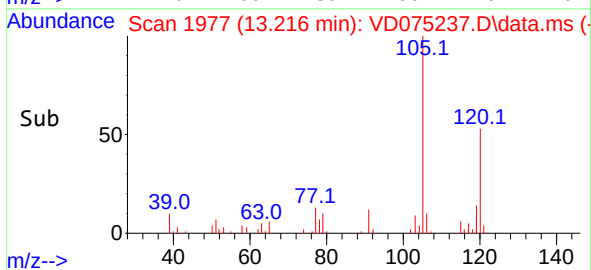
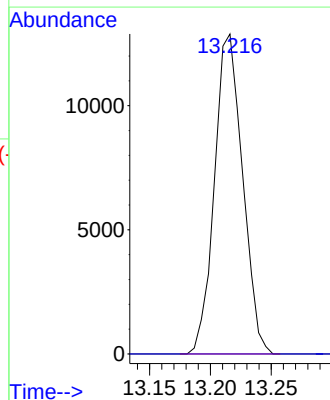
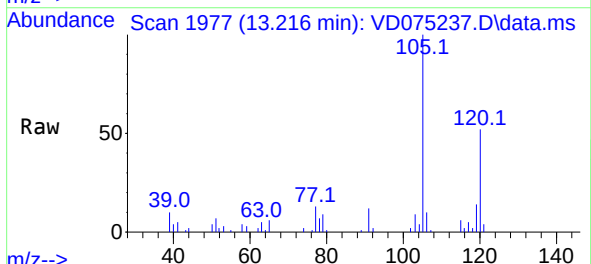
Instrument :
MSVOA_D
ClientSampleId :
W-H5(31-32)

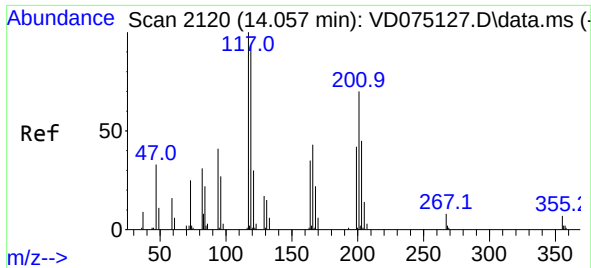
Tgt Ion:105 Resp: 20701
Ion Ratio Lower Upper
105 100
120 50.1 23.2 69.5



#85
sec-Butylbenzene
Concen: 5.005 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. -0.129 min
Lab File: VD075237.D
Acq: 30 Jan 2023 14:52

Tgt Ion:105 Resp: 20701
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.2#

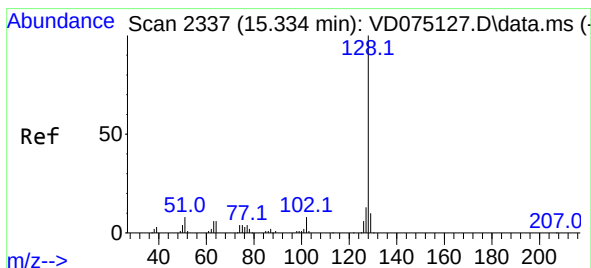
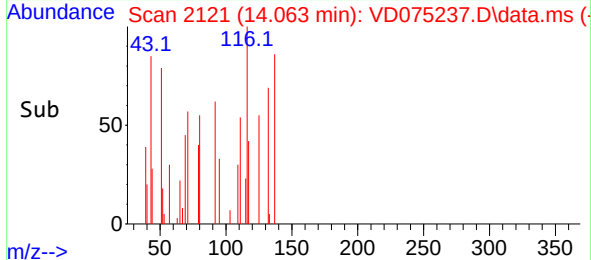
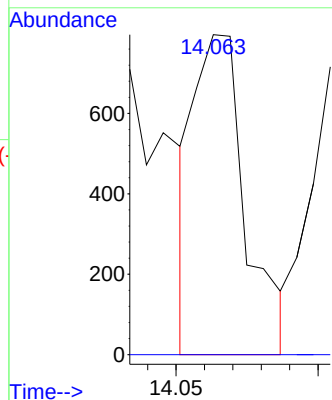
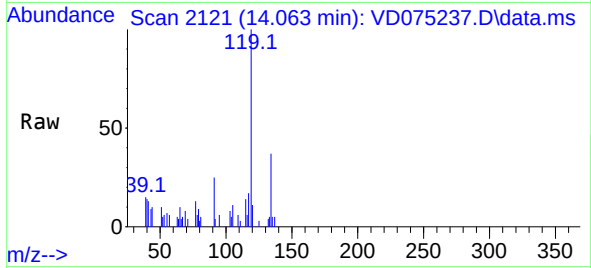




#90
Hexachloroethane
Concen: 1.681 ug/l
RT: 14.063 min Scan# 2120
Delta R.T. 0.006 min
Lab File: VD075237.D
Acq: 30 Jan 2023 14:52

Instrument :
MSVOA_D
ClientSampleId :
W-H5(31-32)

Tgt Ion:117 Resp: 1005
Ion Ratio Lower Upper
117 100
201 0.0 35.1 105.5#



#95
Naphthalene
Concen: 140.672 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VD075237.D
Acq: 30 Jan 2023 14:52

Tgt Ion:128 Resp: 267547
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 11.0 8.7 13.1

