

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062323\
 Data File : VD076556.D
 Acq On : 23 Jun 2023 14:05
 Operator : KP/SY
 Sample : 03363-01RE
 Misc : 5.06G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SPRE

Quant Time: Jun 23 16:33:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

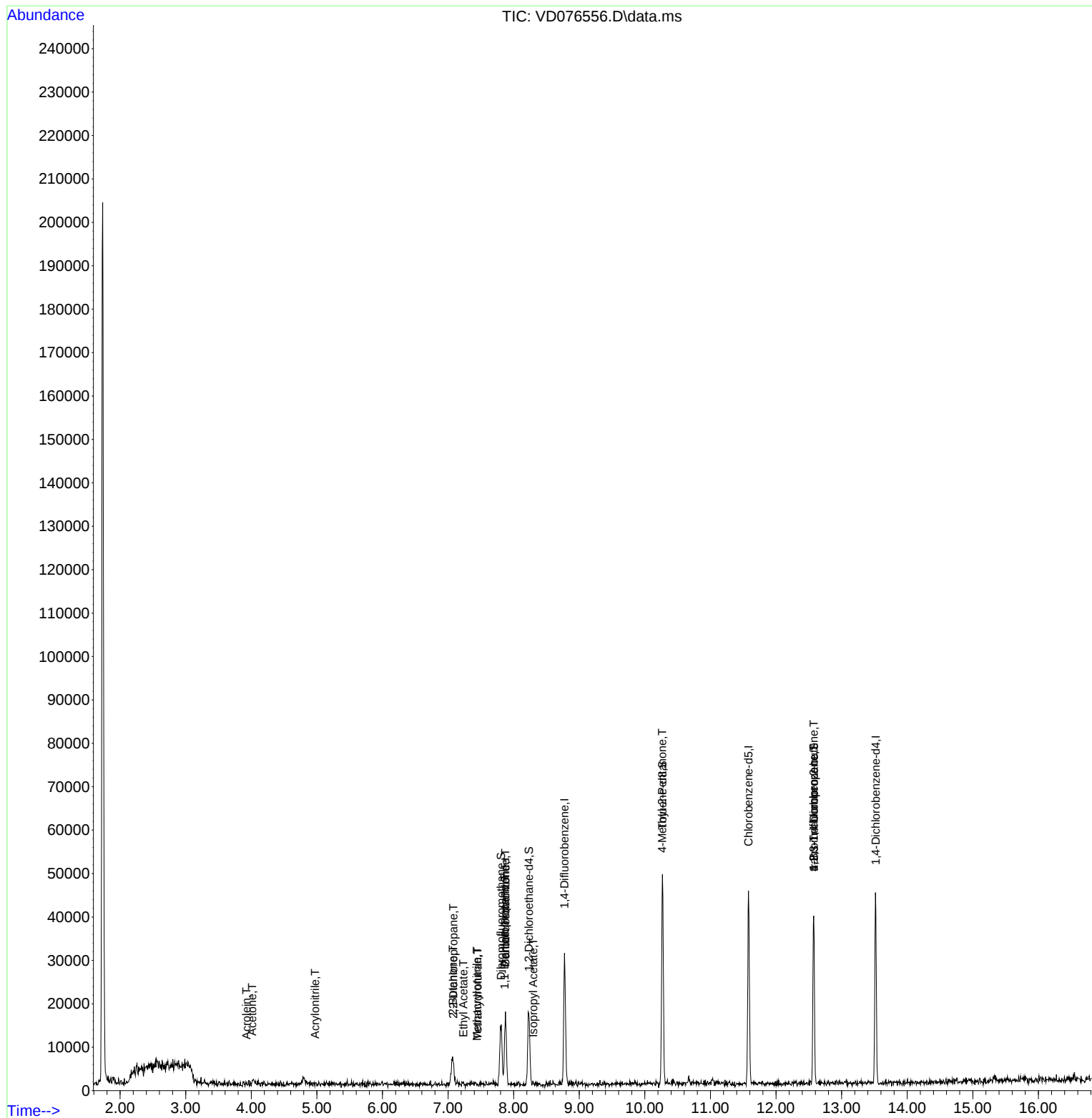
Internal Standards						
1) Pentafluorobenzene	7.875	168	12207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	23877	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	24361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	10903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	12866	105.197	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 210.400%#	
35) Dibromofluoromethane	7.810	113	10229	72.114	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 144.220%	
50) Toluene-d8	10.269	98	32741	60.863	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 121.720%	
62) 4-Bromofluorobenzene	12.575	95	11263	64.513	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 129.020%	
Target Compounds						
					Qvalue	
13) Acrolein	3.928	56	60	5.275	ug/l #	68
15) Acrylonitrile	4.975	53	127	3.706	ug/l #	31
16) Acetone	4.016	43	1190	40.888	ug/l #	34
20) Methylene Chloride	4.793	84	661	Below Cal	#	85
25) 2-Butanone	7.075	43	243	5.398	ug/l #	37
26) 2,2-Dichloropropane	7.081	77	288	1.354	ug/l #	49
28) Bromochloromethane	7.375	49	55	Below Cal	#	1
29) Tetrahydrofuran	7.452	42	85	2.938	ug/l #	23
31) Cyclohexane	7.887	56	256	Below Cal	#	61
36) 1,1-Dichloropropene	7.863	75	978	4.924	ug/l #	39
37) Ethyl Acetate	7.234	43	173	1.503	ug/l #	62
38) Carbon Tetrachloride	7.875	117	954	5.373	ug/l #	11
41) Methacrylonitrile	7.440	41	69	1.062	ug/l #	11
43) Isopropyl Acetate	8.299	43	312	1.432	ug/l #	43
51) 4-Methyl-2-Pentanone	10.263	43	206	1.849	ug/l	99
76) 1,2,3-Trichloropropane	12.575	75	6533	60.374	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	6533	132.292	ug/l #	18

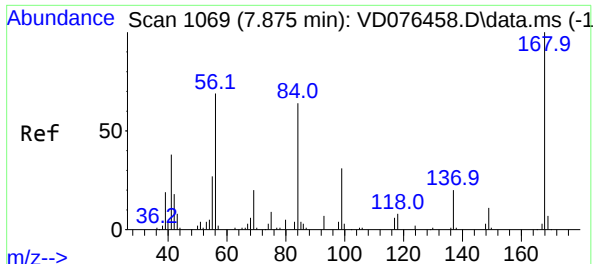
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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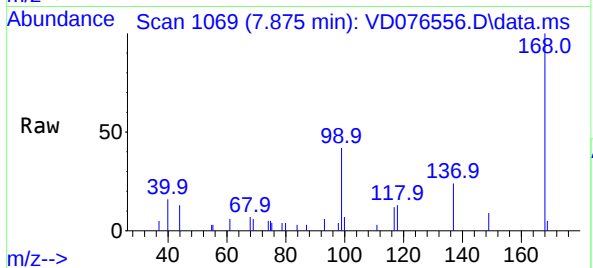
Quant Time: Jun 23 16:33:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 19 04:51:45 2023
Response via : Initial Calibration



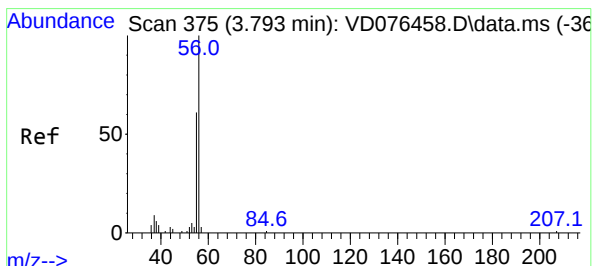
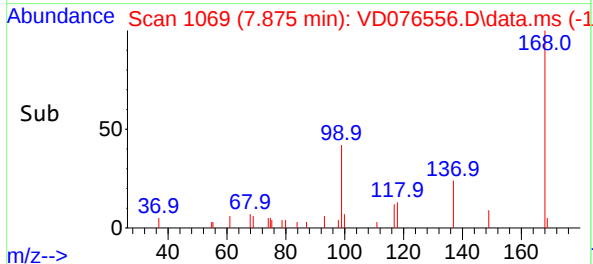
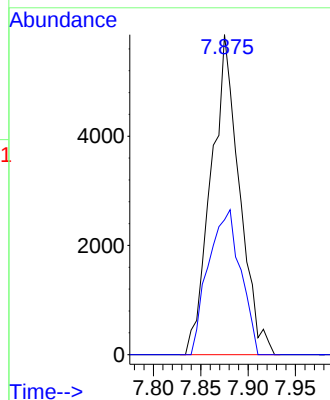


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076556.D
Acq: 23 Jun 2023 14:05

Instrument :
MSVOA_D
ClientSampleId :
SPRE

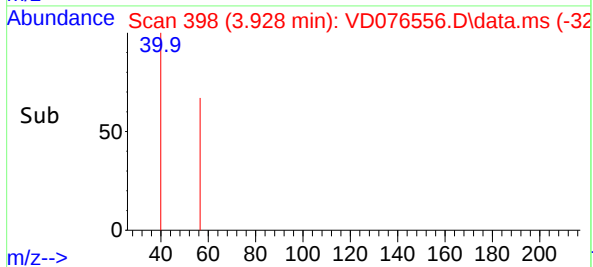
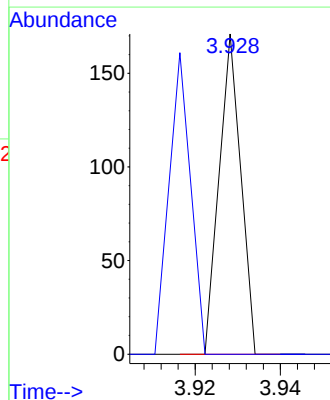
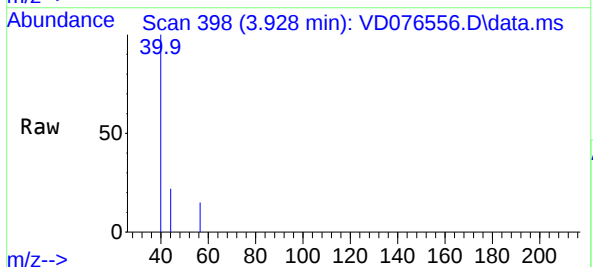


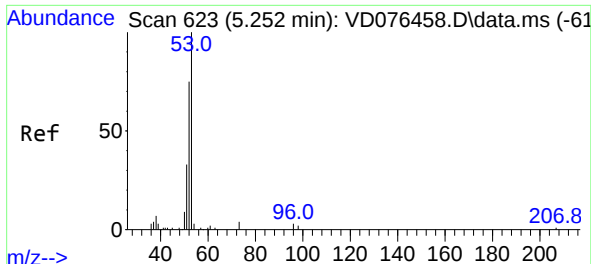
Tgt Ion:168 Resp: 12207
Ion Ratio Lower Upper
168 100
99 42.1 36.7 55.1



#13
Acrolein
Concen: 5.275 ug/l
RT: 3.928 min Scan# 398
Delta R.T. 0.135 min
Lab File: VD076556.D
Acq: 23 Jun 2023 14:05

Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 95.0 55.1 82.7#

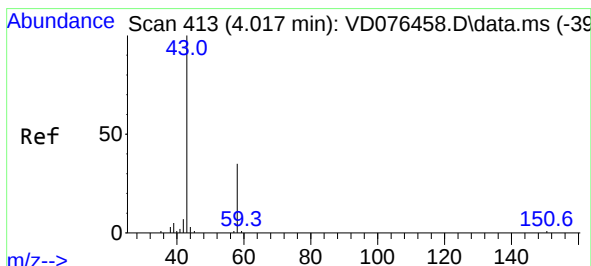
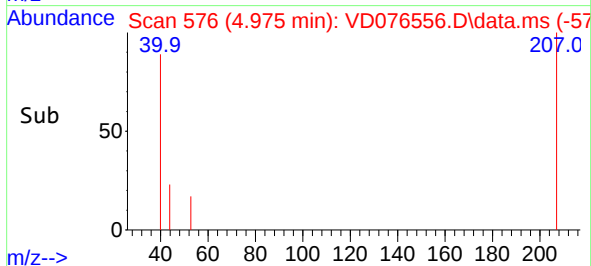
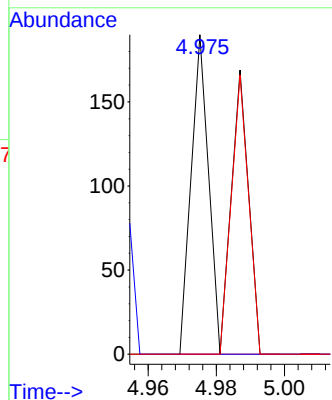
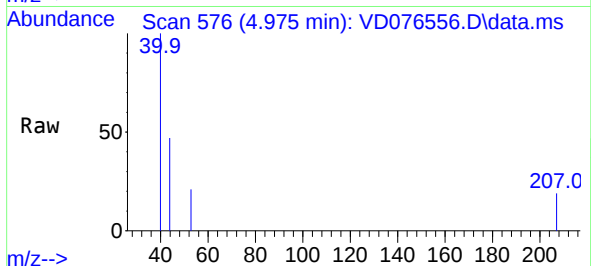




#15
Acrylonitrile
Concen: 3.706 ug/l
RT: 4.975 min Scan# 51
Delta R.T. -0.277 min
Lab File: VD076556.D
Acq: 23 Jun 2023 14:05

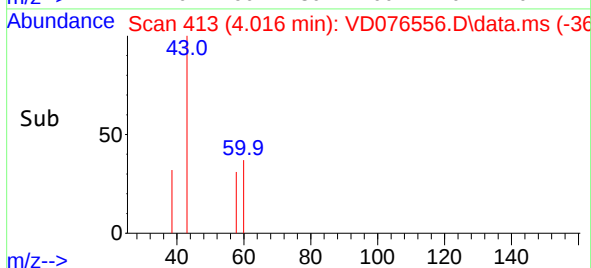
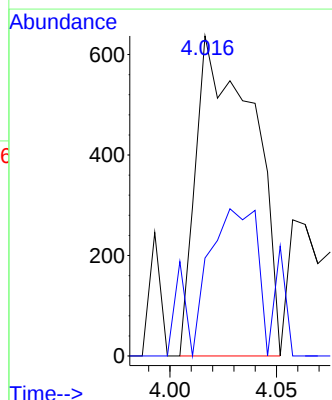
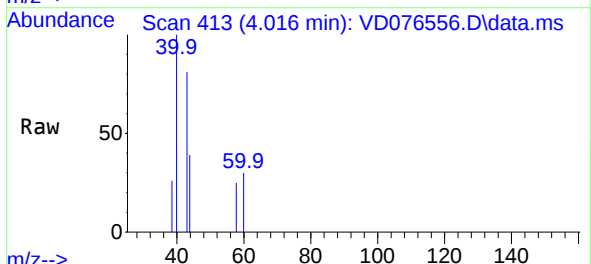
Instrument :
MSVOA_D
ClientSampleId :
SPRE

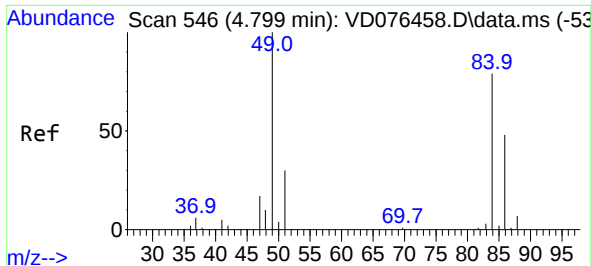
Tgt Ion: 53 Resp: 127
Ion Ratio Lower Upper
53 100
52 0.0 65.0 97.4#
51 46.5 28.3 42.5#



#16
Acetone
Concen: 40.888 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.000 min
Lab File: VD076556.D
Acq: 23 Jun 2023 14:05

Tgt Ion: 43 Resp: 1190
Ion Ratio Lower Upper
43 100
58 1.1 34.7 52.1#

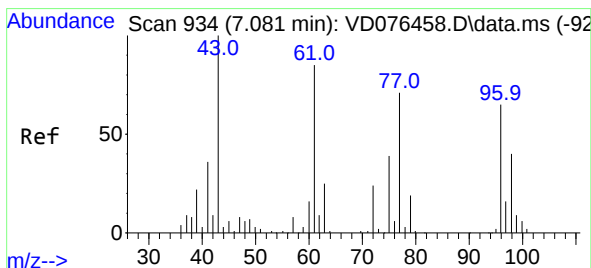
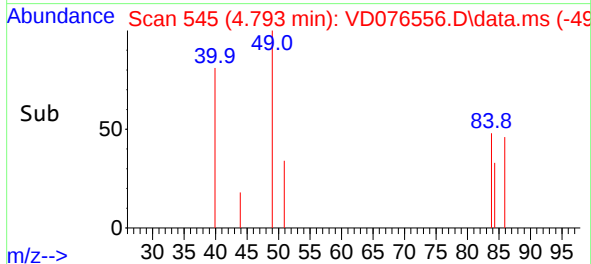
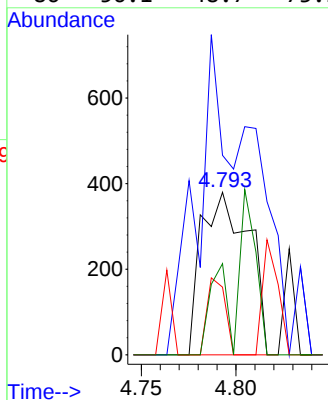
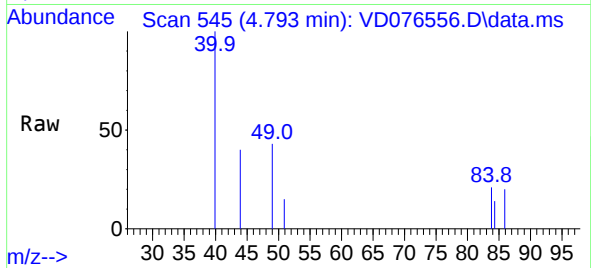




#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD076556.D
Acq: 23 Jun 2023 14:05

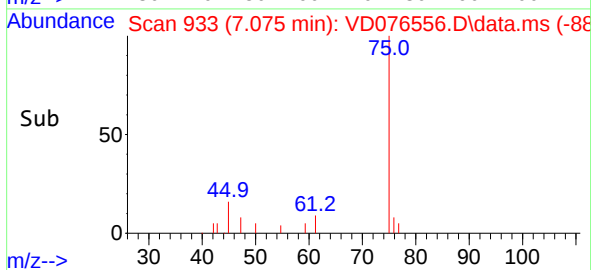
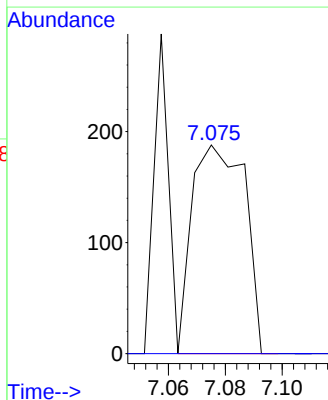
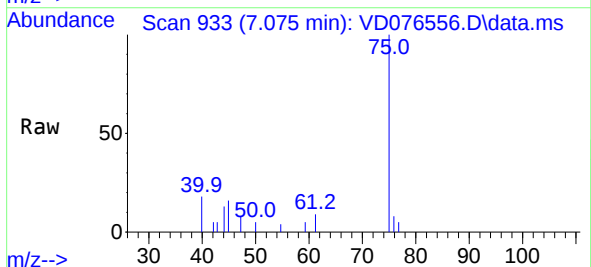
Instrument :
MSVOA_D
ClientSampleId :
SPRE

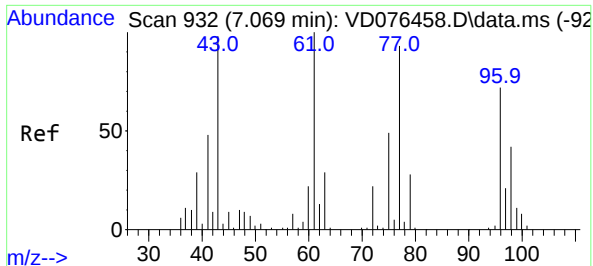
Tgt Ion: 84 Resp: 661
Ion Ratio Lower Upper
84 100
49 71.1 71.4 107.2#
51 41.6 24.5 36.7#
86 56.1 48.7 73.1



#25
2-Butanone
Concen: 5.398 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD076556.D
Acq: 23 Jun 2023 14:05

Tgt Ion: 43 Resp: 243
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#





#26

2,2-Dichloropropane

Concen: 1.354 ug/l

RT: 7.081 min Scan# 91

Delta R.T. 0.012 min

Lab File: VD076556.D

Acq: 23 Jun 2023 14:05

Instrument :

MSVOA_D

ClientSampleId :

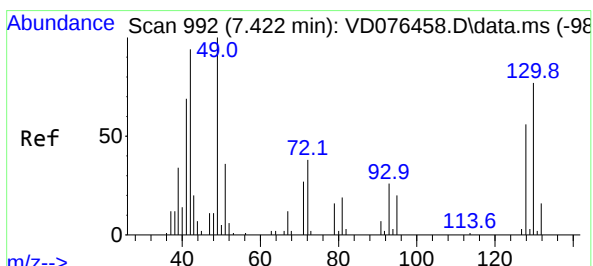
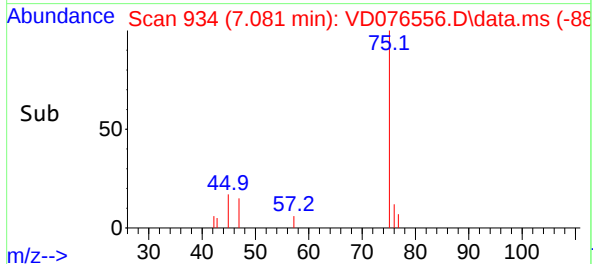
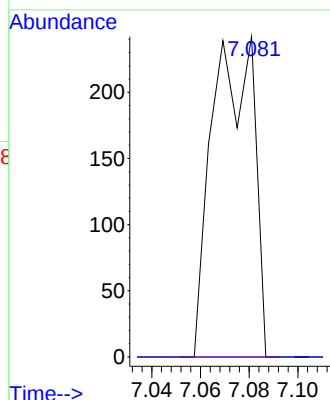
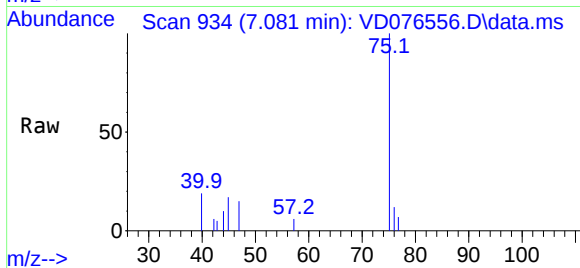
SPRE

Tgt Ion: 77 Resp: 288

Ion Ratio Lower Upper

77 100

97 0.0 13.2 39.6#



#28

Bromochloromethane

Concen: Below Cal

RT: 7.375 min Scan# 984

Delta R.T. -0.047 min

Lab File: VD076556.D

Acq: 23 Jun 2023 14:05

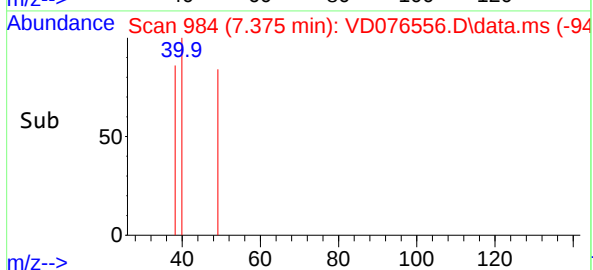
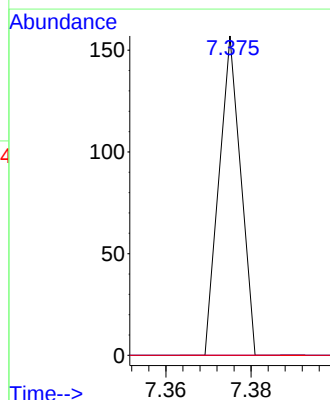
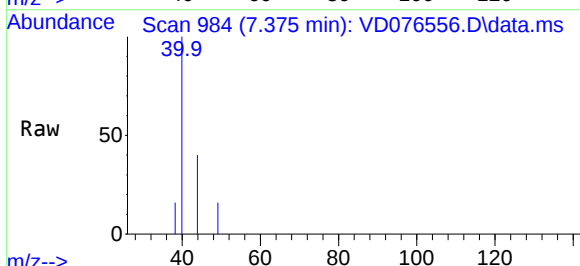
Tgt Ion: 49 Resp: 55

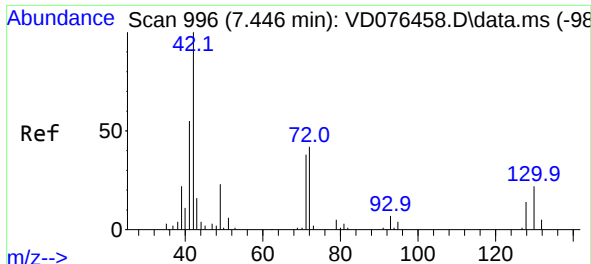
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.0

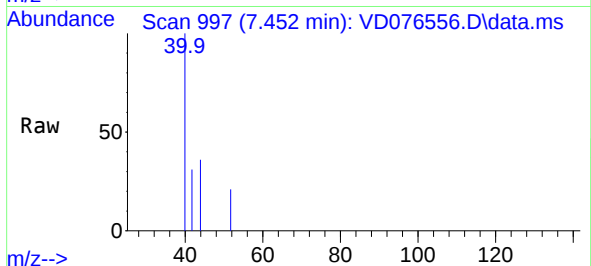
130 0.0 83.2 124.8#



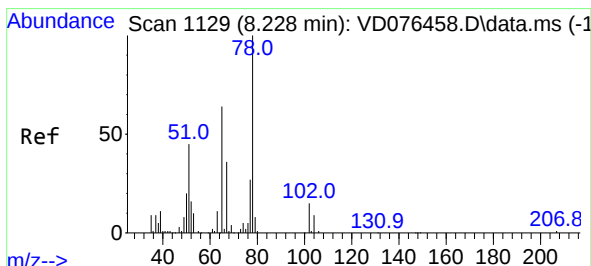
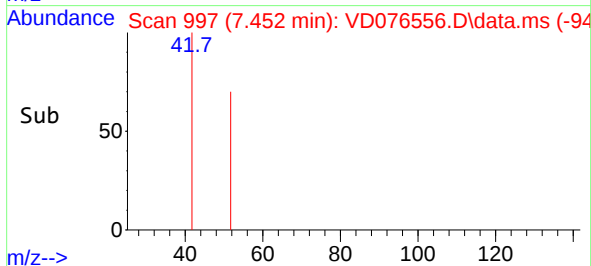
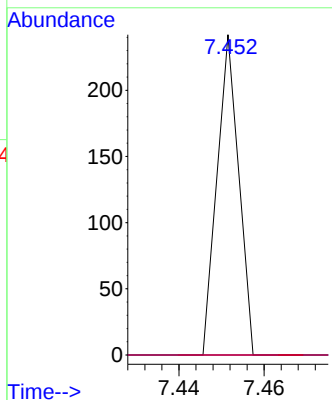


#29
Tetrahydrofuran
Concen: 2.938 ug/l
RT: 7.452 min Scan# 997
Delta R.T. 0.006 min
Lab File: VD076556.D
Acq: 23 Jun 2023 14:05

Instrument :
MSVOA_D
ClientSampleId :
SPRE

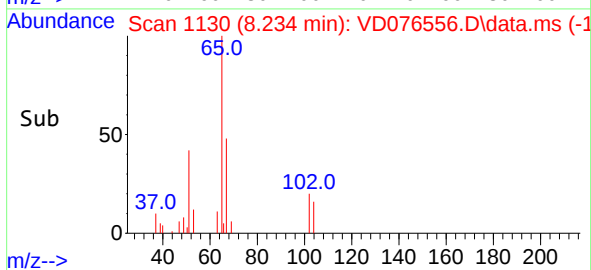
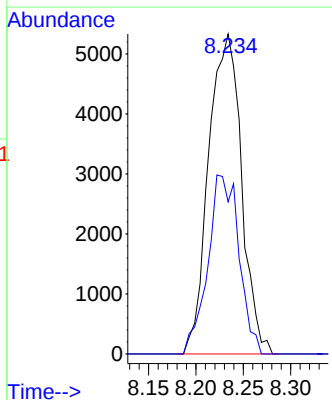
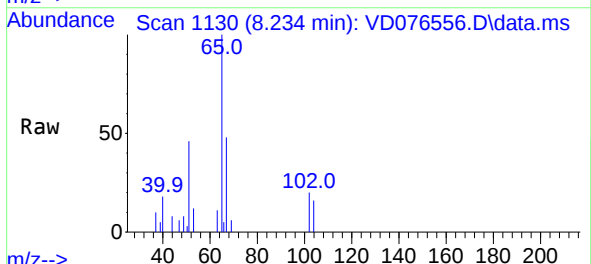


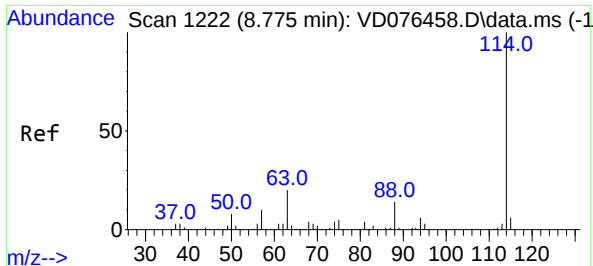
Tgt Ion: 42 Resp: 85
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 0.0 44.5 66.7#



#33
1,2-Dichloroethane-d4
Concen: 105.197 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD076556.D
Acq: 23 Jun 2023 14:05

Tgt Ion: 65 Resp: 12866
Ion Ratio Lower Upper
65 100
67 52.8 0.0 115.0



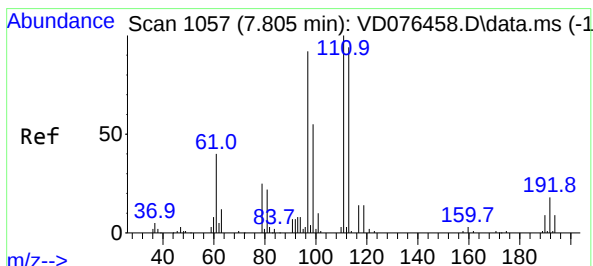
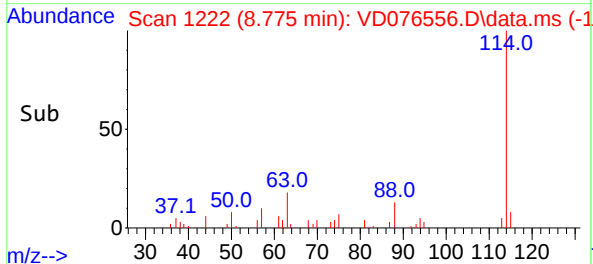
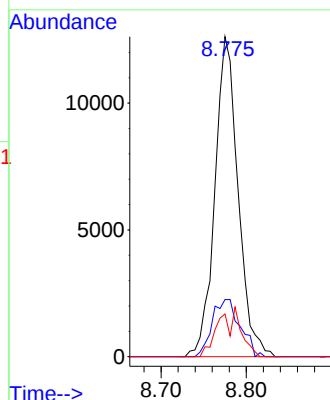
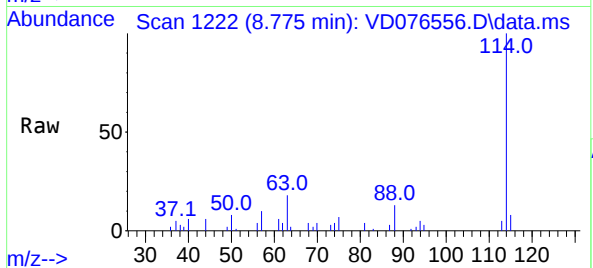


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076556.D
Acq: 23 Jun 2023 14:05

Instrument :
MSVOA_D
ClientSampleId :
SPRE

Tgt Ion:114 Resp: 23877

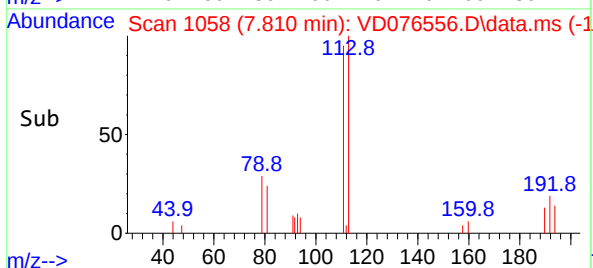
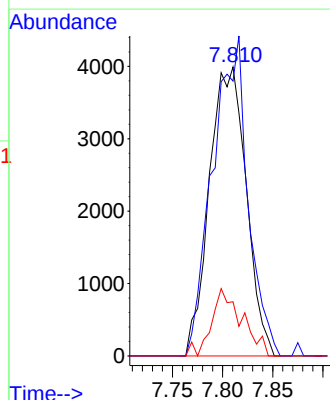
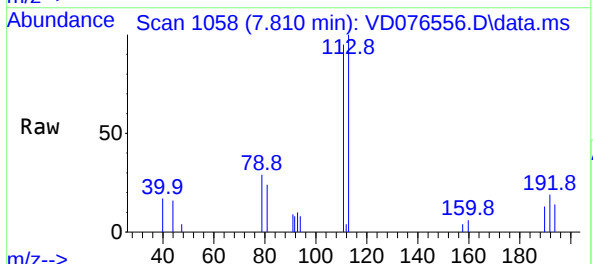
Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	33.4
88	13.3	0.0	26.2

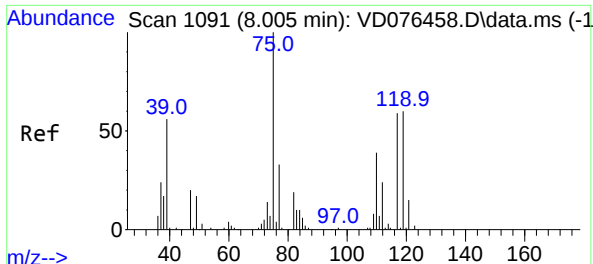


#35
Dibromofluoromethane
Concen: 72.114 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD076556.D
Acq: 23 Jun 2023 14:05

Tgt Ion:113 Resp: 10229

Ion	Ratio	Lower	Upper
113	100		
111	105.4	84.7	127.1
192	19.2	16.8	25.2

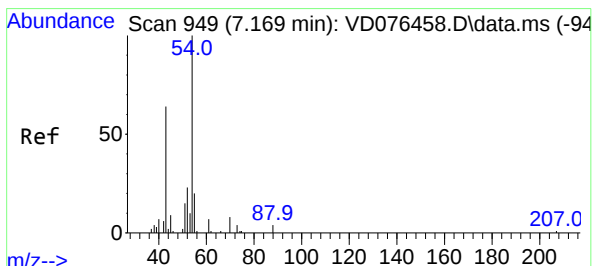
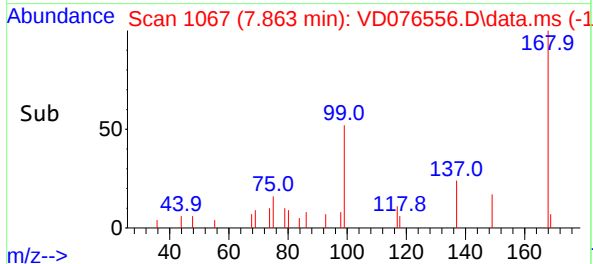
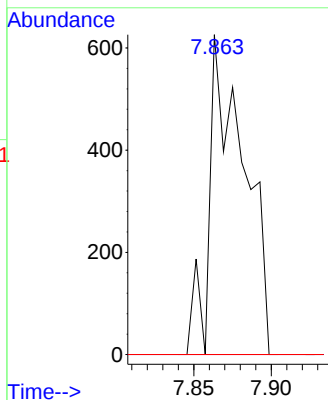
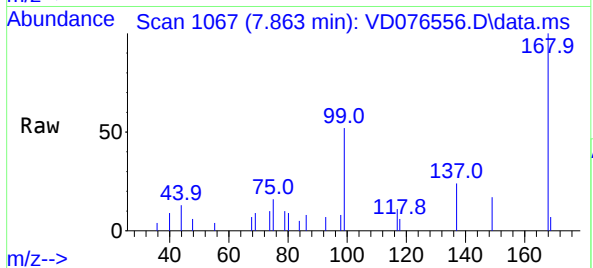




#36
1,1-Dichloropropene
Concen: 4.924 ug/l
RT: 7.863 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VD076556.D
Acq: 23 Jun 2023 14:05

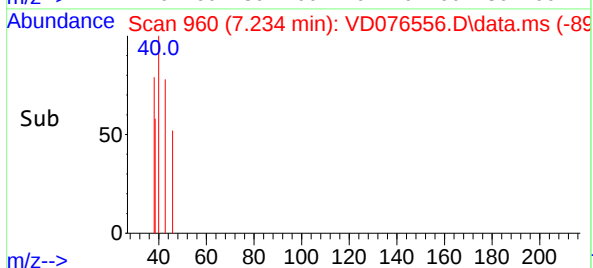
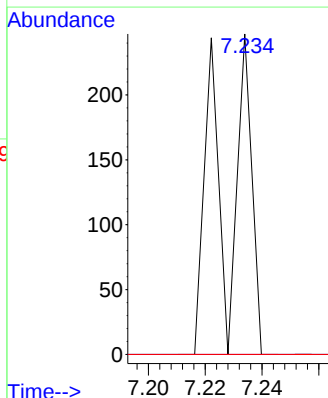
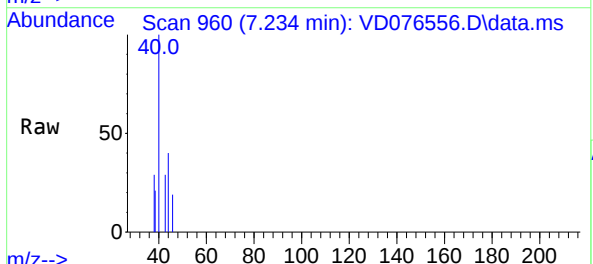
Instrument :
MSVOA_D
ClientSampleId :
SPRE

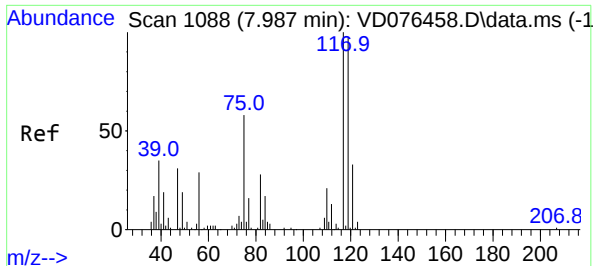
Tgt Ion: 75	Resp:	978
Ion Ratio	Lower	Upper
75	100	
110	0.0	19.9 59.6#
77	0.0	24.7 37.1#



#37
Ethyl Acetate
Concen: 1.503 ug/l
RT: 7.234 min Scan# 960
Delta R.T. 0.065 min
Lab File: VD076556.D
Acq: 23 Jun 2023 14:05

Tgt Ion: 43	Resp:	173
Ion Ratio	Lower	Upper
43	100	
61	0.0	14.9 22.3#
70	0.0	10.0 15.0#

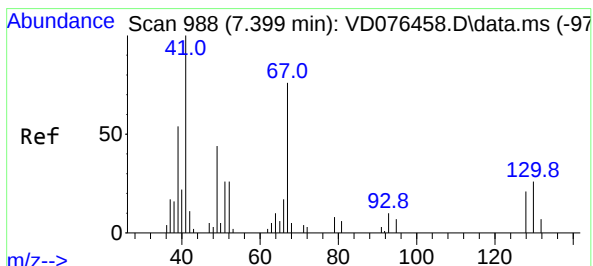
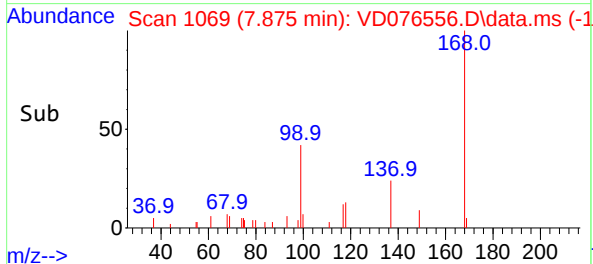
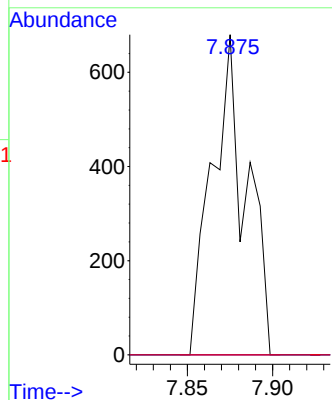
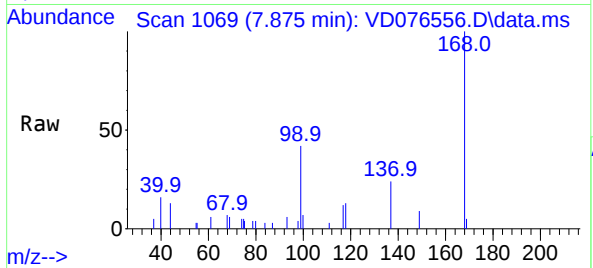




#38
Carbon Tetrachloride
Concen: 5.373 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.112 min
Lab File: VD076556.D
Acq: 23 Jun 2023 14:05

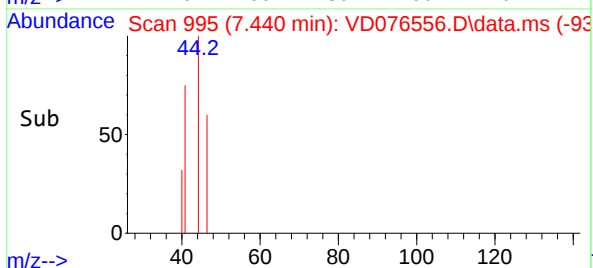
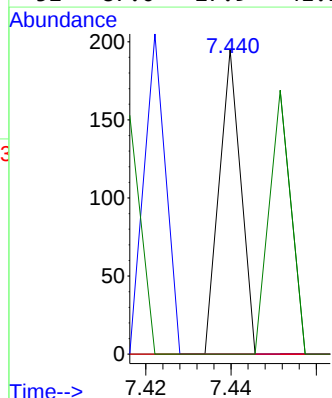
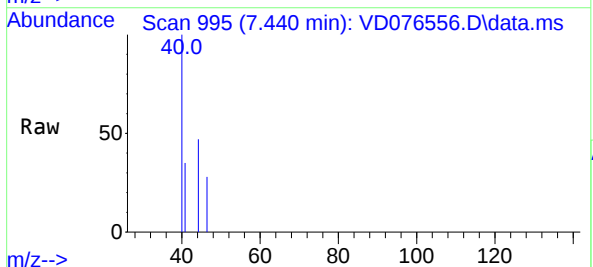
Instrument :
MSVOA_D
ClientSampleId :
SPRE

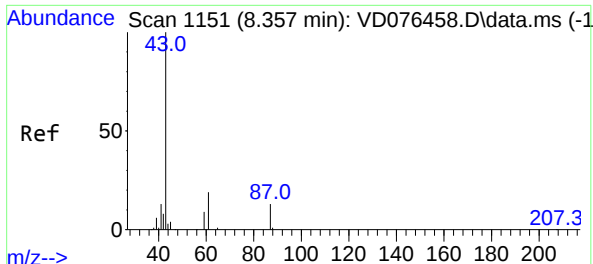
Tgt Ion:117 Resp: 954
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 1.062 ug/l
RT: 7.440 min Scan# 995
Delta R.T. 0.041 min
Lab File: VD076556.D
Acq: 23 Jun 2023 14:05

Tgt Ion: 41 Resp: 69
Ion Ratio Lower Upper
41 100
39 0.0 34.0 51.0#
67 0.0 77.0 115.4#
52 87.0 27.9 41.9#

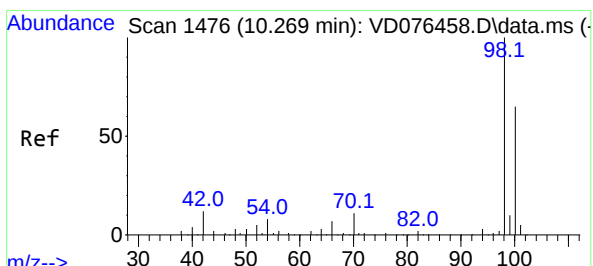
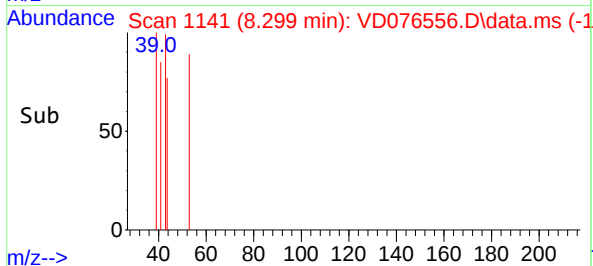
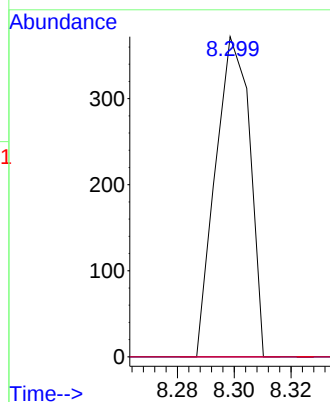
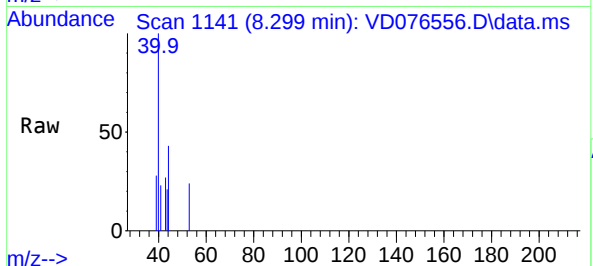




#43
Isopropyl Acetate
Concen: 1.432 ug/l
RT: 8.299 min Scan# 1151
Delta R.T. -0.059 min
Lab File: VD076556.D
Acq: 23 Jun 2023 14:05

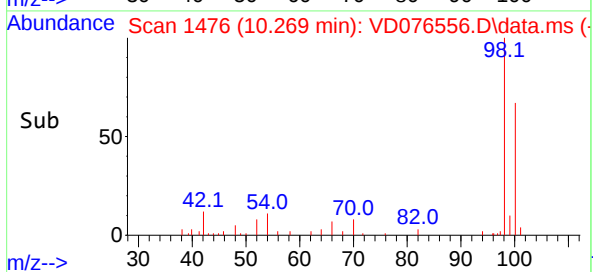
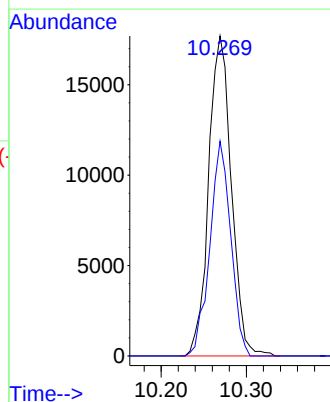
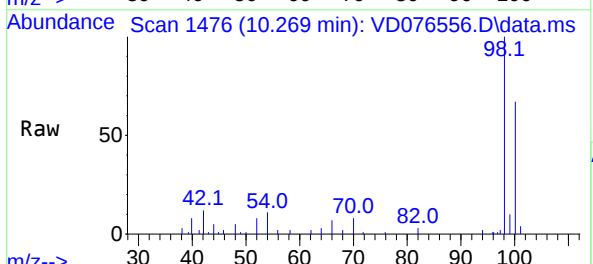
Instrument :
MSVOA_D
ClientSampleId :
SPRE

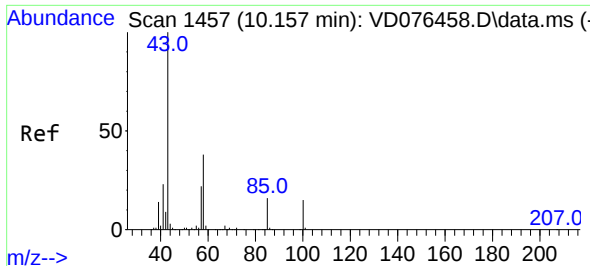
Tgt Ion: 43 Resp: 312
Ion Ratio Lower Upper
43 100
61 0.0 31.4 47.0#
87 0.0 14.9 22.3#



#50
Toluene-d8
Concen: 60.863 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076556.D
Acq: 23 Jun 2023 14:05

Tgt Ion: 98 Resp: 32741
Ion Ratio Lower Upper
98 100
100 61.7 50.3 75.5

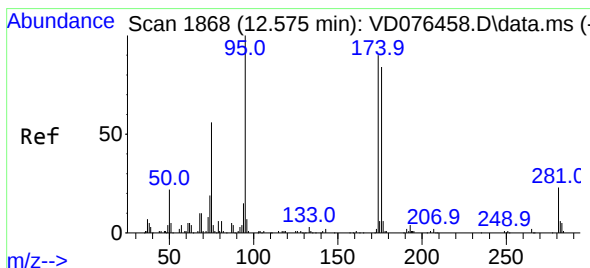
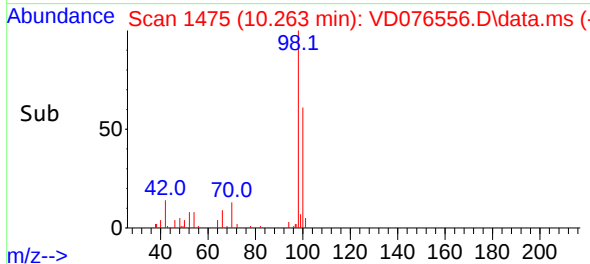
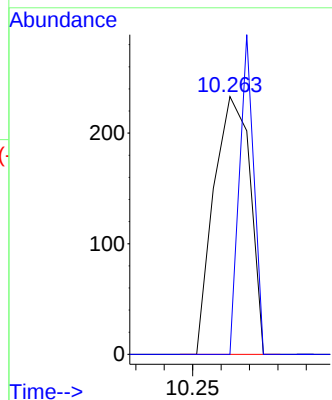
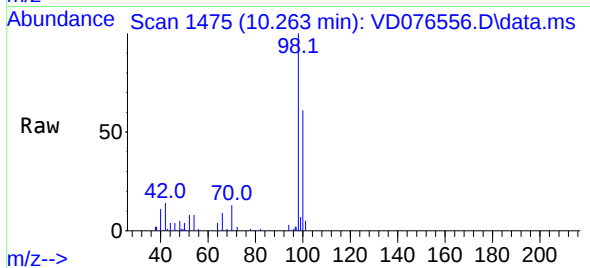




#51
4-Methyl-2-Pentanone
Concen: 1.849 ug/l
RT: 10.263 min Scan# 1457
Delta R.T. 0.106 min
Lab File: VD076556.D
Acq: 23 Jun 2023 14:05

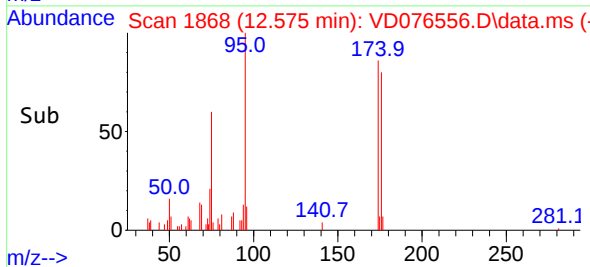
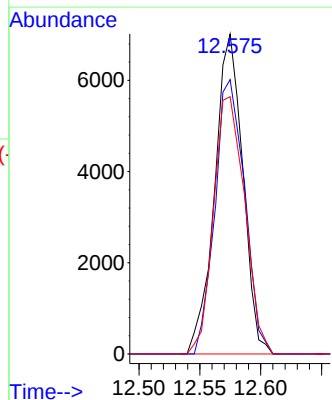
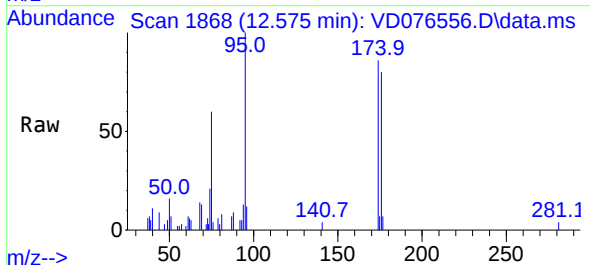
Instrument :
MSVOA_D
ClientSampleId :
SPRE

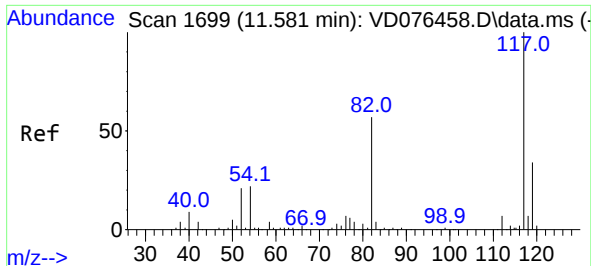
Tgt Ion: 43 Resp: 206
Ion Ratio Lower Upper
43 100
58 49.5 38.9 58.3



#62
4-Bromofluorobenzene
Concen: 64.513 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076556.D
Acq: 23 Jun 2023 14:05

Tgt Ion: 95 Resp: 11263
Ion Ratio Lower Upper
95 100
174 90.6 0.0 201.8
176 88.9 0.0 191.8

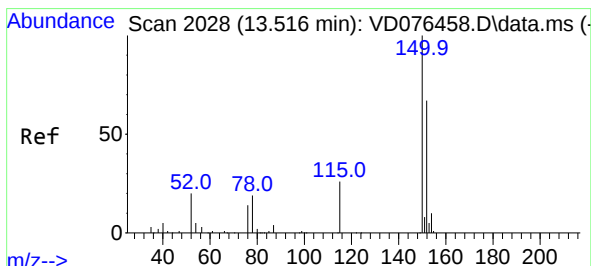
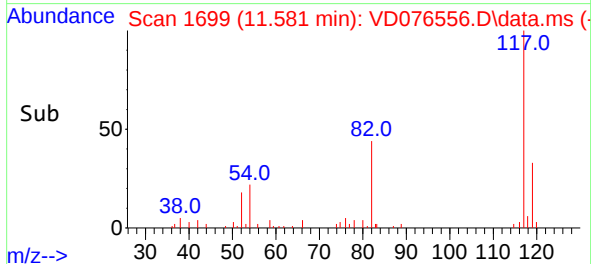
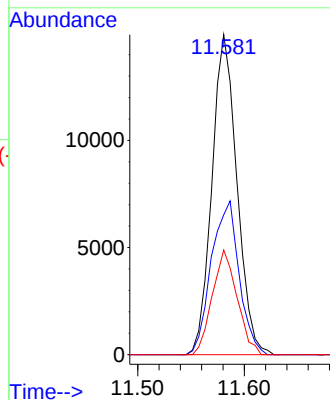
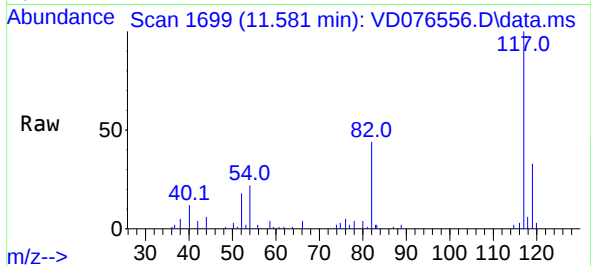




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD076556.D
Acq: 23 Jun 2023 14:05

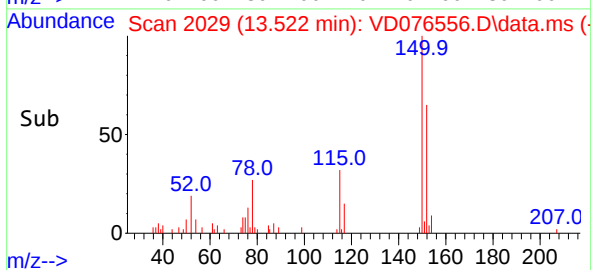
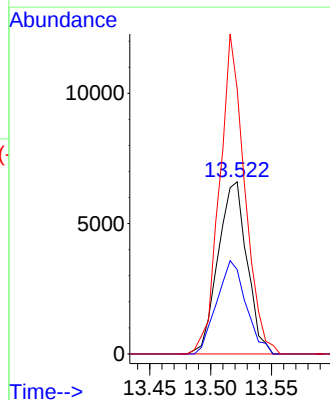
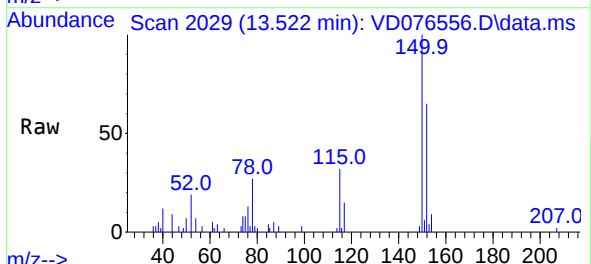
Instrument :
MSVOA_D
ClientSampleId :
SPRE

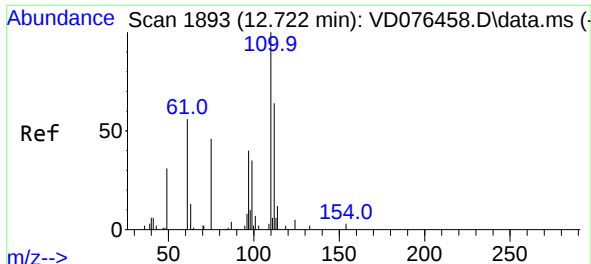
Tgt Ion:	117	Resp:	24361
Ion	Ratio	Lower	Upper
117	100		
82	43.7	38.3	57.5
119	32.7	25.0	37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD076556.D
Acq: 23 Jun 2023 14:05

Tgt Ion:	152	Resp:	10903
Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.1	81.3
150	161.8	0.0	353.6

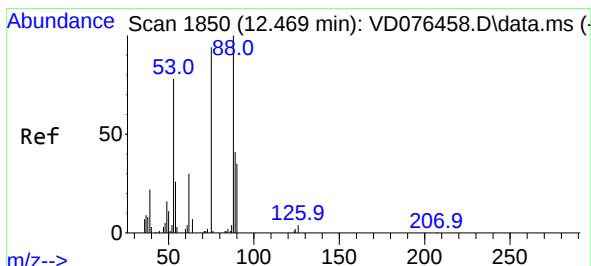
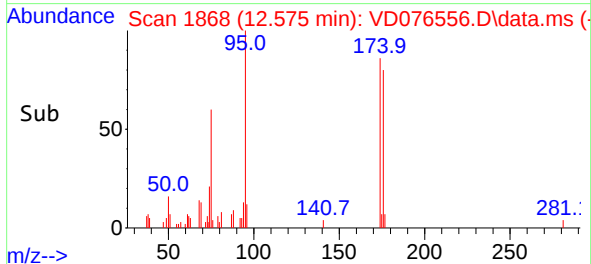
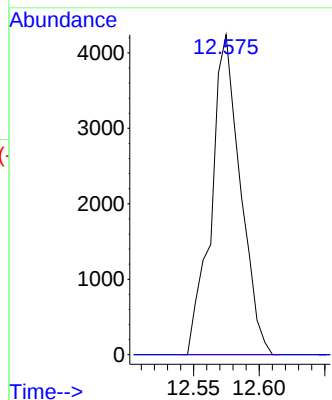
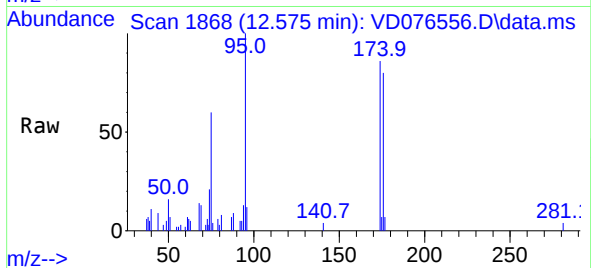




#76
1,2,3-Trichloropropane
Concen: 60.374 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076556.D
Acq: 23 Jun 2023 14:05

Instrument :
MSVOA_D
ClientSampleId :
SPRE

Tgt Ion: 75 Resp: 6533
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 132.292 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076556.D
Acq: 23 Jun 2023 14:05

Tgt Ion: 75 Resp: 6533
Ion Ratio Lower Upper
75 100
53 0.9 63.0 94.4#
89 0.0 37.9 56.9#

