

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122223\
 Data File : VD078070.D
 Acq On : 22 Dec 2023 18:01
 Operator : RP/MD
 Sample : 05879-11
 Misc : 5.40G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 23 03:39:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

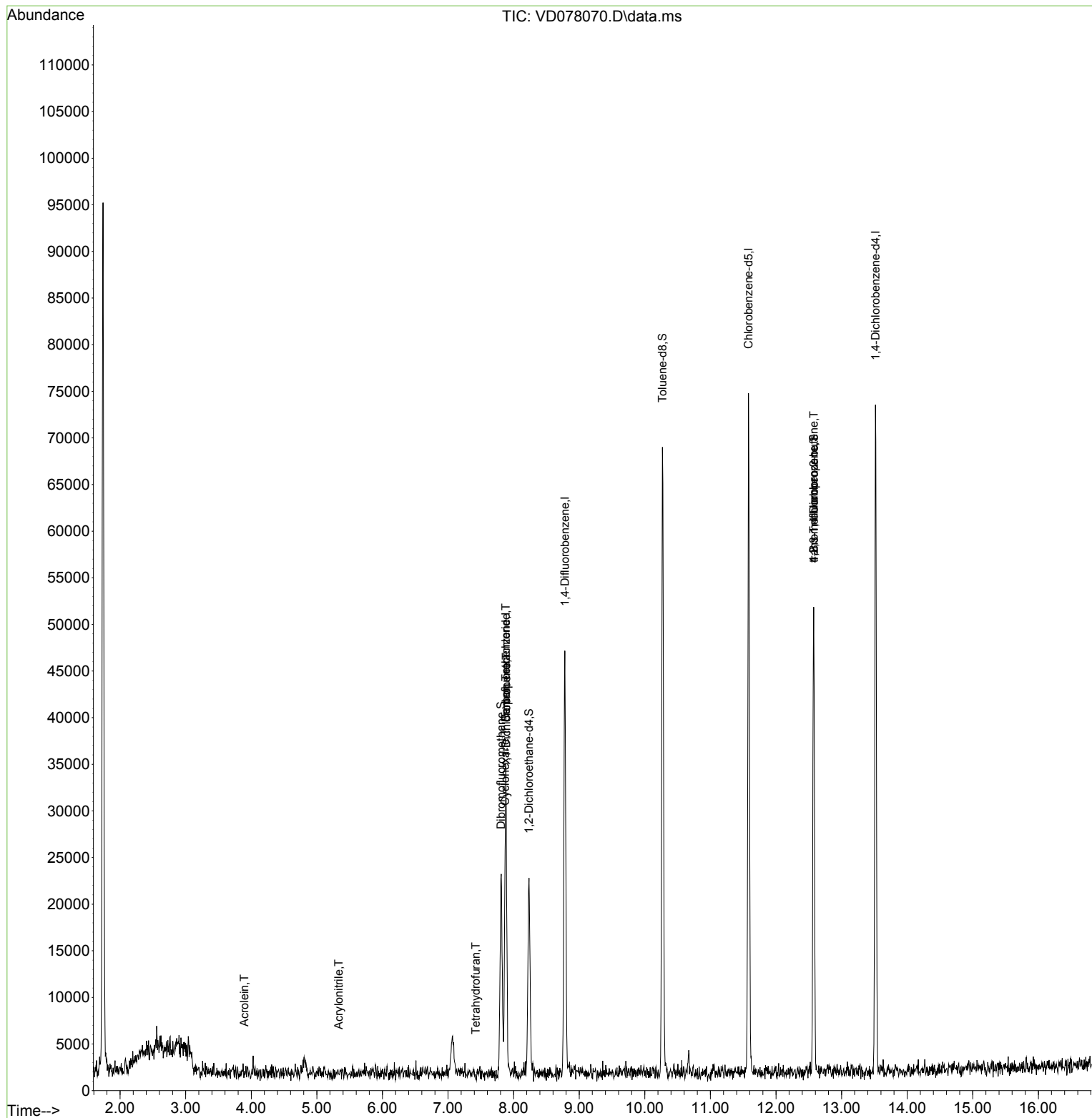
Internal Standards						
1) Pentafluorobenzene	7.881	168	22252	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	38578	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	39221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	18698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	16919	64.525	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.060%	
35) Dibromofluoromethane	7.810	113	14461	53.515	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.020%	
50) Toluene-d8	10.269	98	47965	44.318	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 88.640%	
62) 4-Bromofluorobenzene	12.575	95	15091	46.638	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.280%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.858	59	57	Below Cal	#	73
13) Acrolein	3.893	56	56	2.019	ug/l #	15
15) Acrylonitrile	5.334	53	61	1.071	ug/l #	69
16) Acetone	4.028	43	994	Below Cal		93
20) Methylene Chloride	4.811	84	341	Below Cal	#	11
25) 2-Butanone	7.087	43	88	Below Cal	#	37
29) Tetrahydrofuran	7.422	42	194	4.646	ug/l #	23
31) Cyclohexane	7.869	56	549	1.177	ug/l #	1
36) 1,1-Dichloropropene	7.887	75	2332	5.395	ug/l #	46
38) Carbon Tetrachloride	7.881	117	2427	5.632	ug/l #	11
76) 1,2,3-Trichloropropane	12.575	75	8047	49.553	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	8047	100.397	ug/l #	17

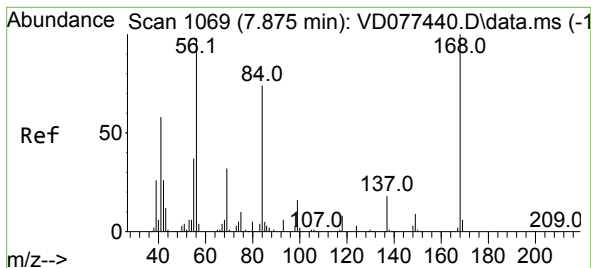
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 23 03:39:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 10

Delta R.T. 0.006 min

Lab File: VD078070.D

Acq: 22 Dec 2023 18:01

Instrument :

MSVOA_D

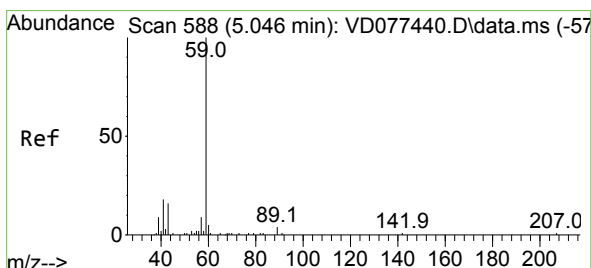
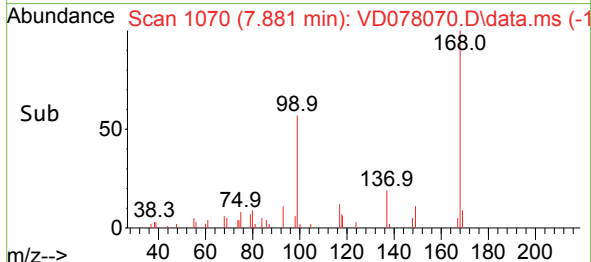
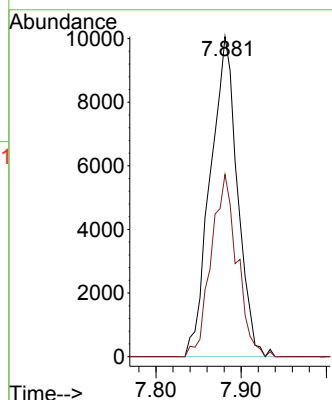
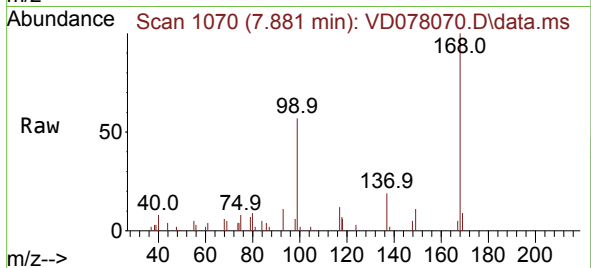
ClientSampleId :

Tgt Ion:168 Resp: 22252

Ion Ratio Lower Upper

168 100

99 57.0 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.858 min Scan# 556

Delta R.T. -0.188 min

Lab File: VD078070.D

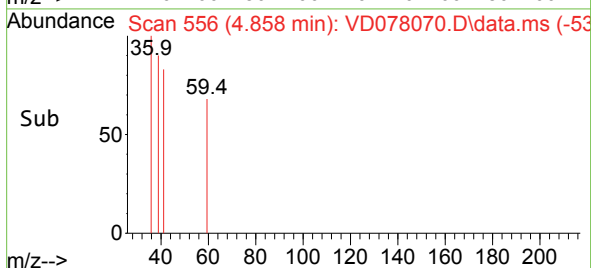
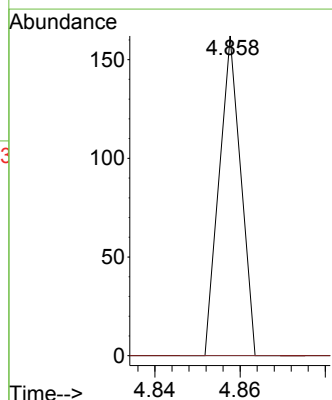
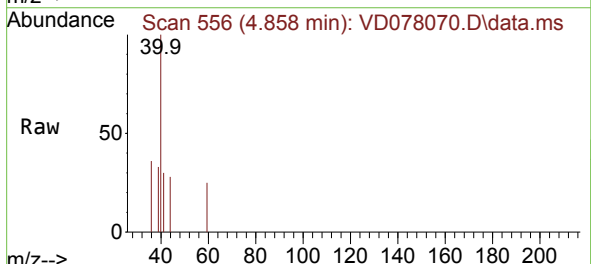
Acq: 22 Dec 2023 18:01

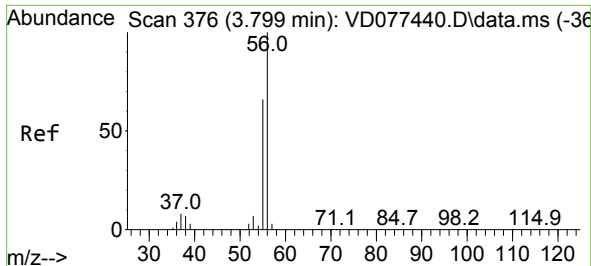
Tgt Ion: 59 Resp: 57

Ion Ratio Lower Upper

59 100

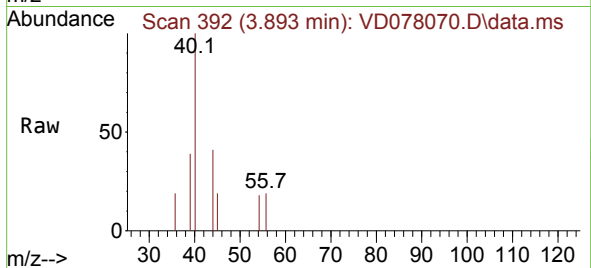
57 0.0 7.8 11.8#



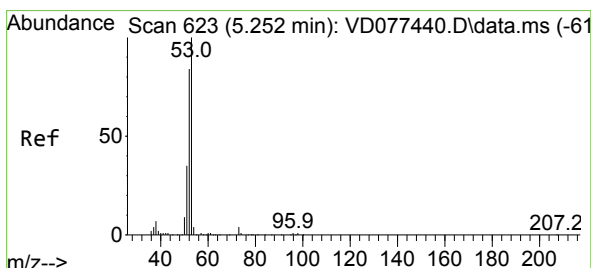
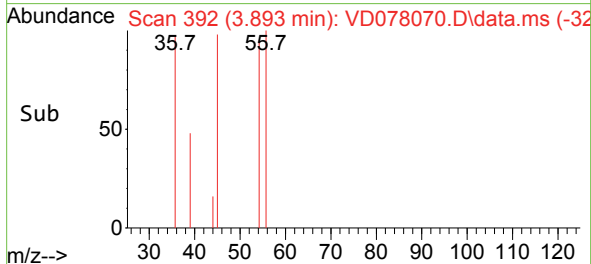
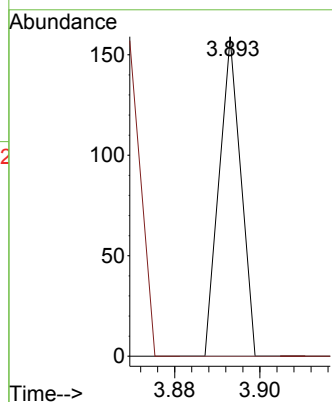


#13
Acrolein
Concen: 2.019 ug/l
RT: 3.893 min Scan# 392
Delta R.T. 0.094 min
Lab File: VD078070.D
Acq: 22 Dec 2023 18:01

Instrument :
MSVOA_D
ClientSampleId :

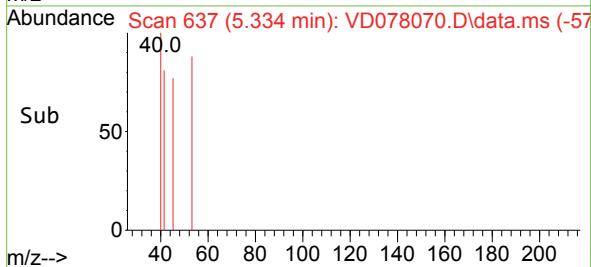
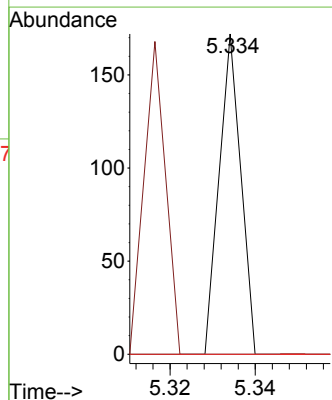
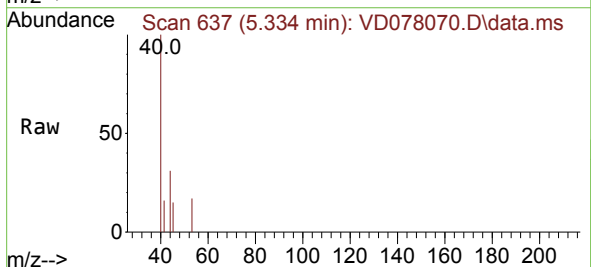


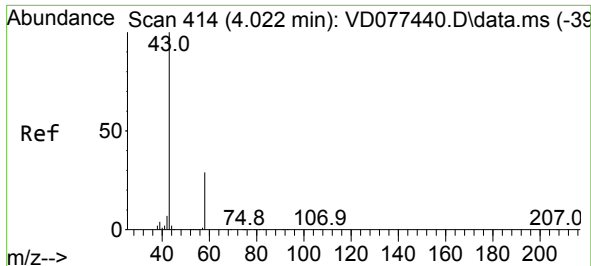
Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



#15
Acrylonitrile
Concen: 1.071 ug/l
RT: 5.334 min Scan# 637
Delta R.T. 0.082 min
Lab File: VD078070.D
Acq: 22 Dec 2023 18:01

Tgt Ion: 53 Resp: 61
Ion Ratio Lower Upper
53 100
52 96.7 65.0 97.4
51 0.0 28.3 42.5#

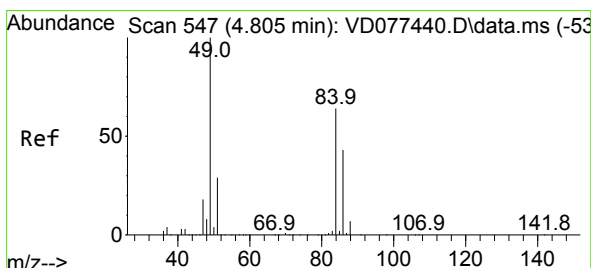
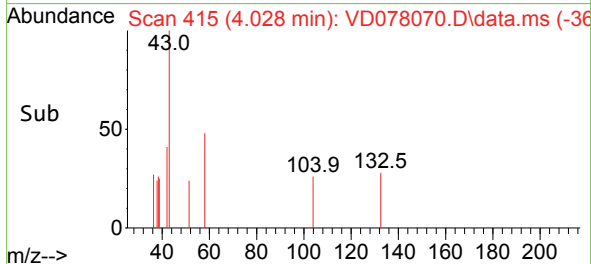
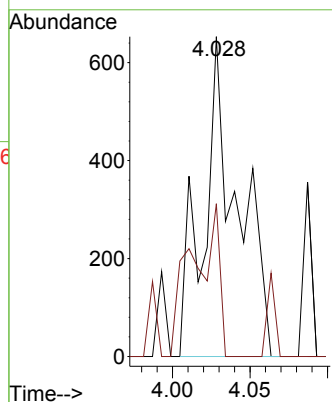
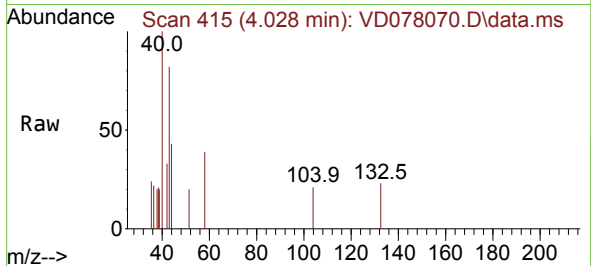




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD078070.D
Acq: 22 Dec 2023 18:01

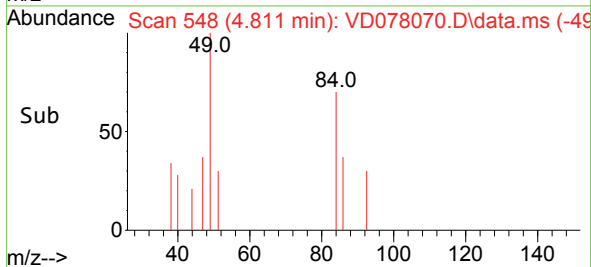
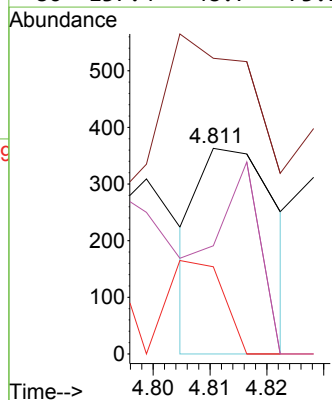
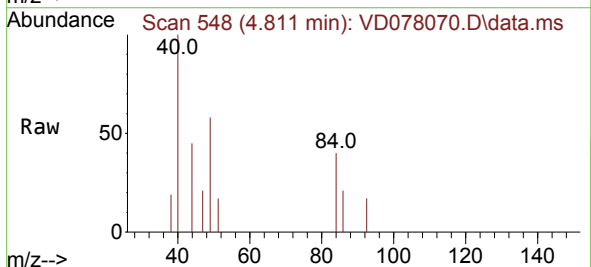
Instrument :
MSVOA_D
ClientSampleId :

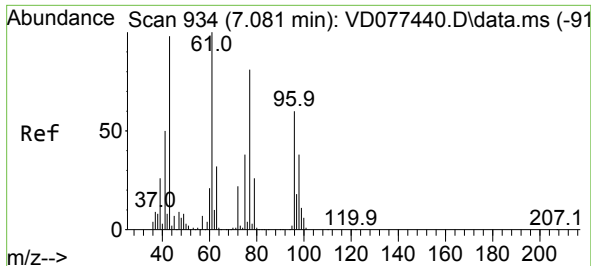
Tgt Ion: 43 Resp: 994
Ion Ratio Lower Upper
43 100
58 47.8 34.7 52.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD078070.D
Acq: 22 Dec 2023 18:01

Tgt Ion: 84 Resp: 341
Ion Ratio Lower Upper
84 100
49 146.0 71.4 107.2#
51 110.8 24.5 36.7#
86 137.4 48.7 73.1#





#25

2-Butanone

Concen: Below Cal

RT: 7.087 min Scan# 91

Delta R.T. 0.006 min

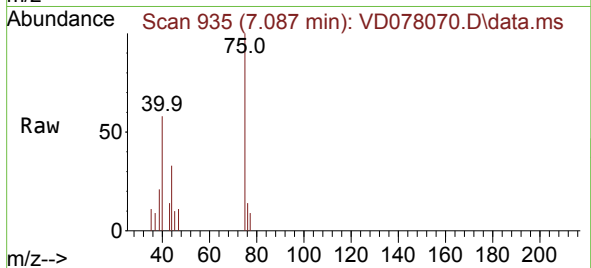
Lab File: VD078070.D

Acq: 22 Dec 2023 18:01

Instrument :

MSVOA_D

ClientSampleId :

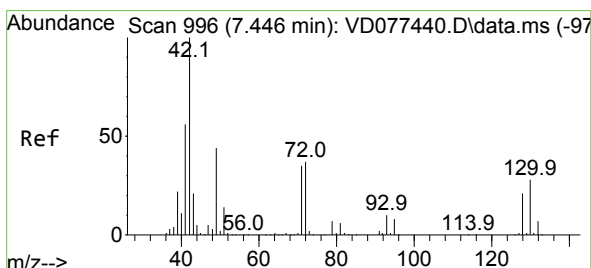
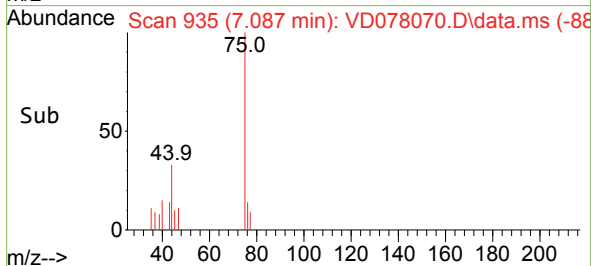
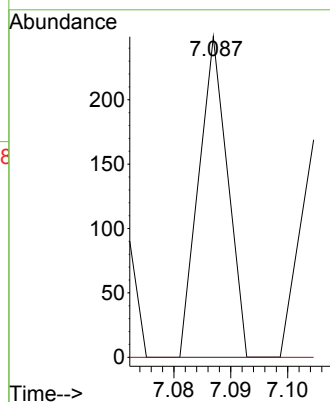


Tgt Ion: 43 Resp: 88

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#29

Tetrahydrofuran

Concen: 4.646 ug/l

RT: 7.422 min Scan# 992

Delta R.T. -0.024 min

Lab File: VD078070.D

Acq: 22 Dec 2023 18:01

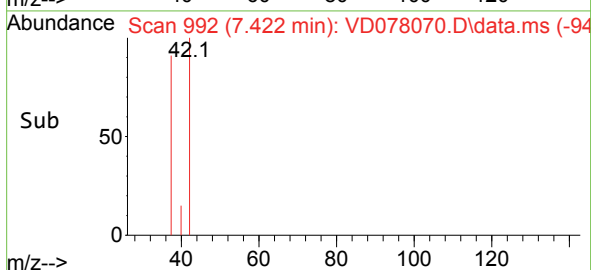
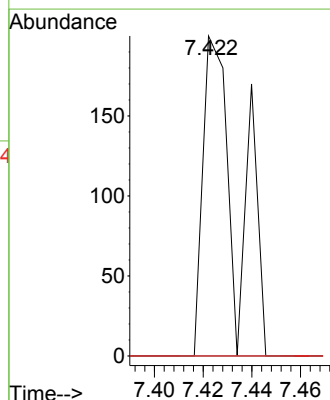
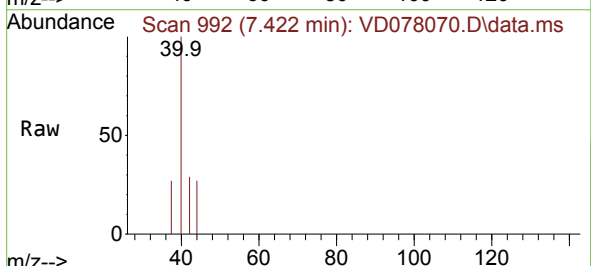
Tgt Ion: 42 Resp: 194

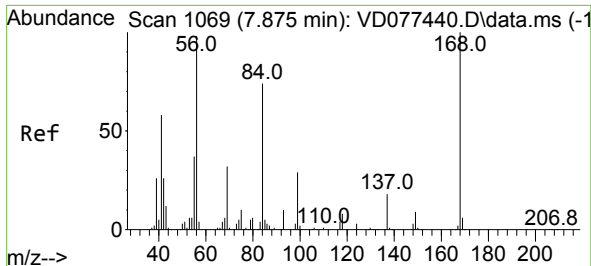
Ion Ratio Lower Upper

42 100

72 0.0 46.5 69.7#

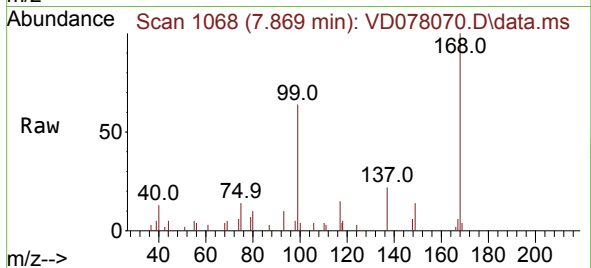
71 0.0 44.5 66.7#



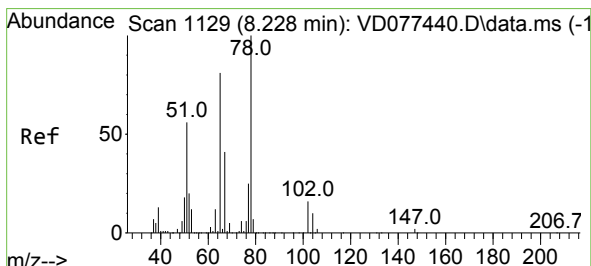
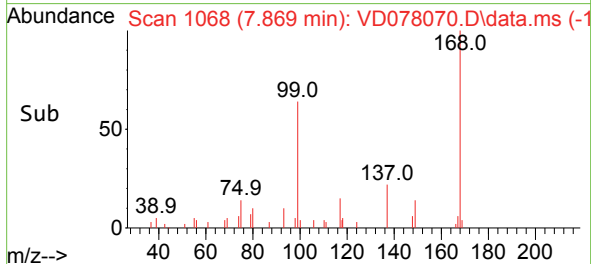
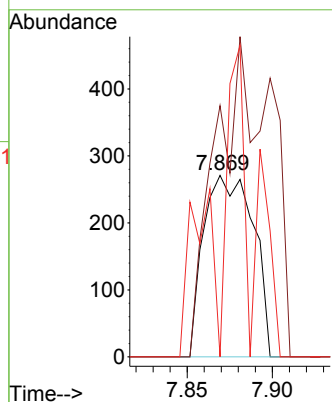


#31
Cyclohexane
Concen: 1.177 ug/l
RT: 7.869 min Scan# 1106
Delta R.T. -0.006 min
Lab File: VD078070.D
Acq: 22 Dec 2023 18:01

Instrument :
MSVOA_D
ClientSampleId :

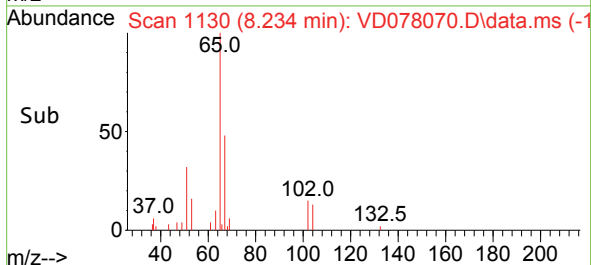
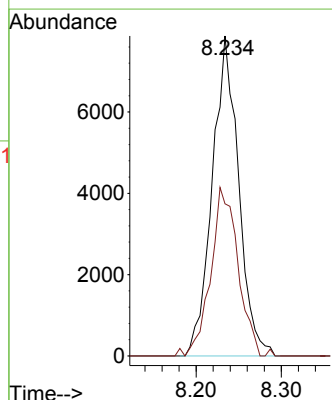
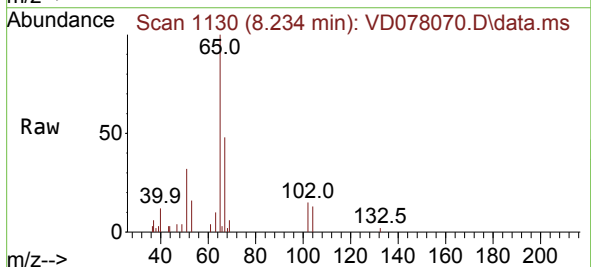


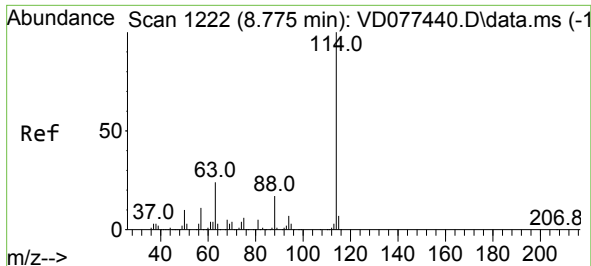
Tgt Ion: 56 Resp: 549
Ion Ratio Lower Upper
56 100
69 138.4 28.6 43.0#
84 0.0 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 64.525 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD078070.D
Acq: 22 Dec 2023 18:01

Tgt Ion: 65 Resp: 16919
Ion Ratio Lower Upper
65 100
67 54.3 0.0 115.0

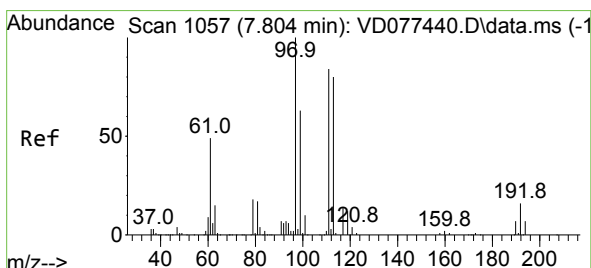
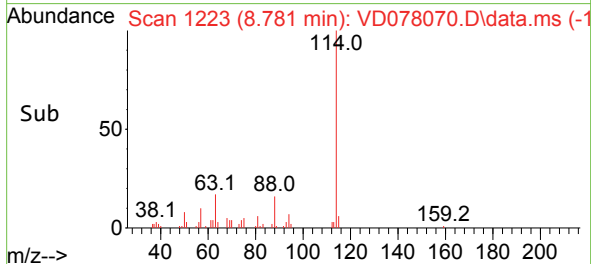
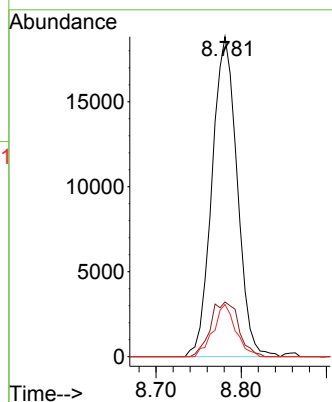
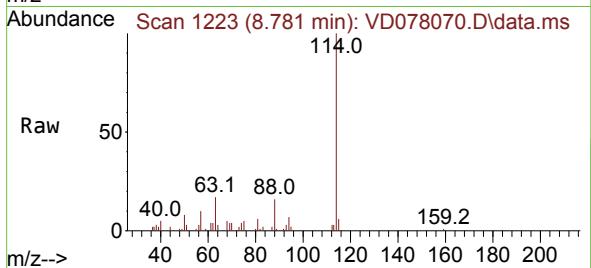




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD078070.D
Acq: 22 Dec 2023 18:01

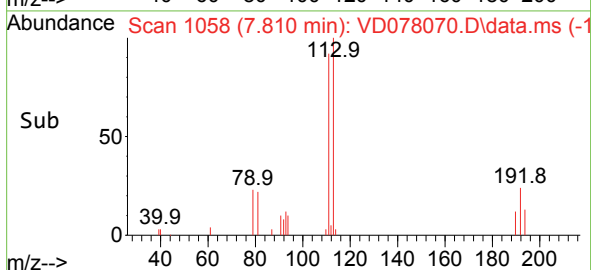
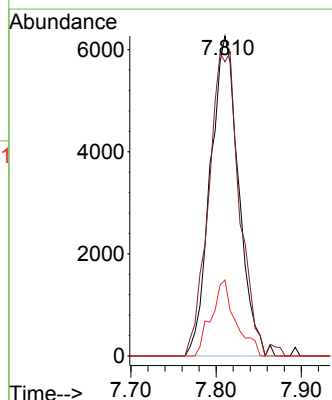
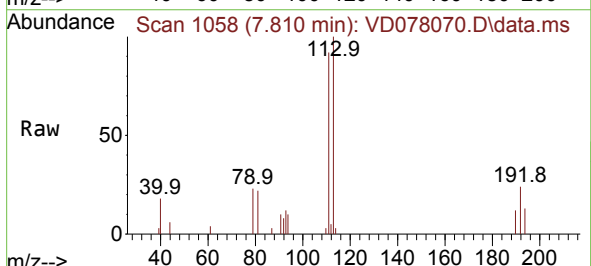
Instrument :
MSVOA_D
ClientSampleId :

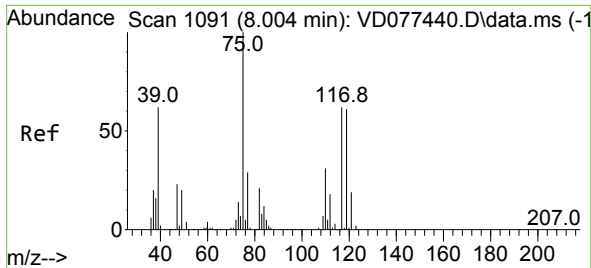
Tgt Ion:114 Resp: 38578
Ion Ratio Lower Upper
114 100
63 17.1 0.0 33.4
88 16.3 0.0 26.2



#35
Dibromofluoromethane
Concen: 53.515 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD078070.D
Acq: 22 Dec 2023 18:01

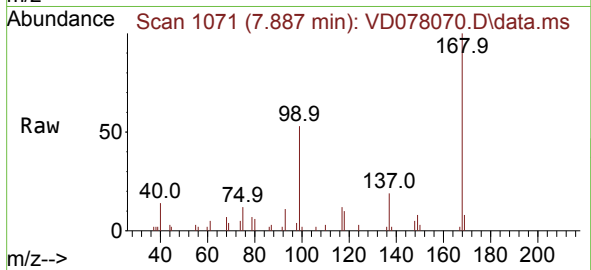
Tgt Ion:113 Resp: 14461
Ion Ratio Lower Upper
113 100
111 102.7 84.7 127.1
192 20.5 16.8 25.2



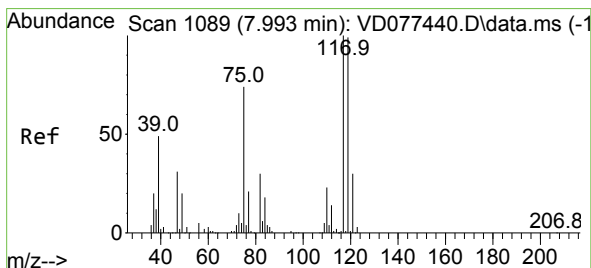
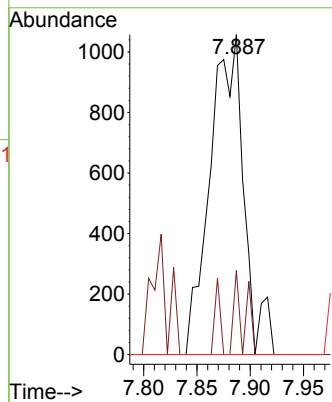
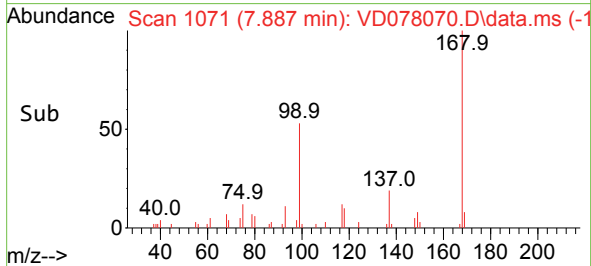


#36
 1,1-Dichloropropene
 Concen: 5.395 ug/l
 RT: 7.887 min Scan# 1071
 Delta R.T. -0.117 min
 Lab File: VD078070.D
 Acq: 22 Dec 2023 18:01

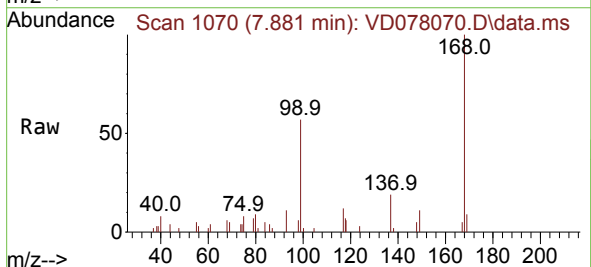
Instrument :
 MSVOA_D
 ClientSampleId :



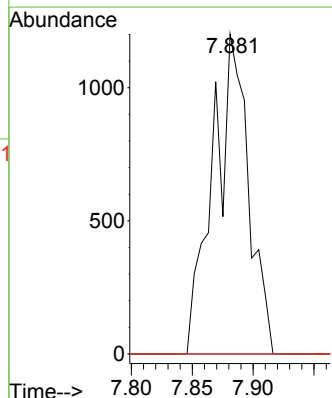
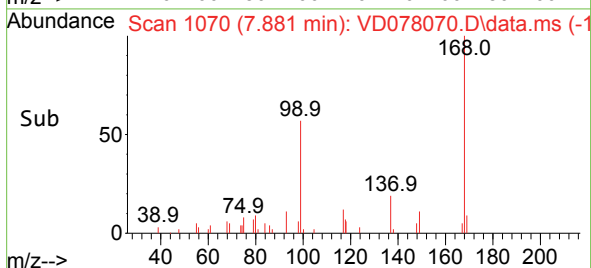
Tgt Ion: 75 Resp: 2332
 Ion Ratio Lower Upper
 75 100
 110 7.9 19.9 59.6#
 77 0.0 24.7 37.1#

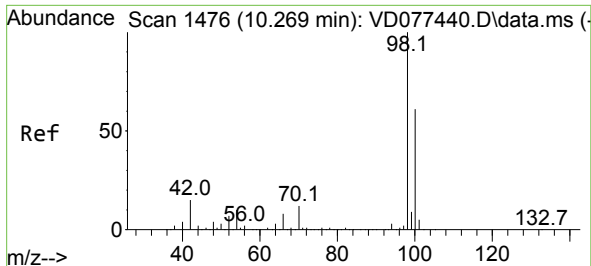


#38
 Carbon Tetrachloride
 Concen: 5.632 ug/l
 RT: 7.881 min Scan# 1070
 Delta R.T. -0.112 min
 Lab File: VD078070.D
 Acq: 22 Dec 2023 18:01



Tgt Ion: 117 Resp: 2427
 Ion Ratio Lower Upper
 117 100
 119 0.0 78.0 117.0#
 121 0.0 24.2 36.2#

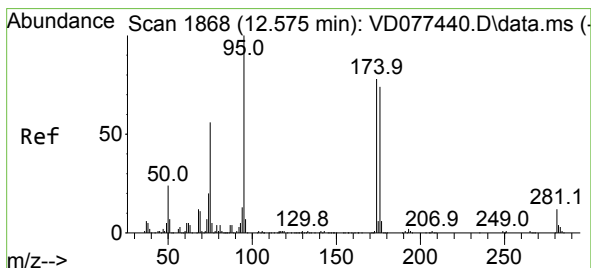
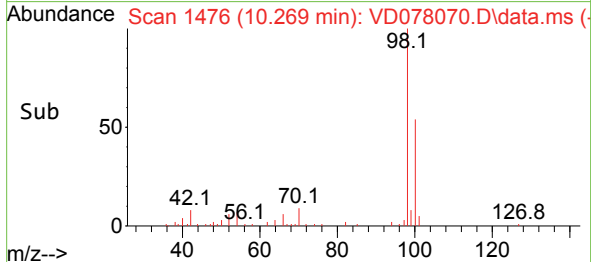
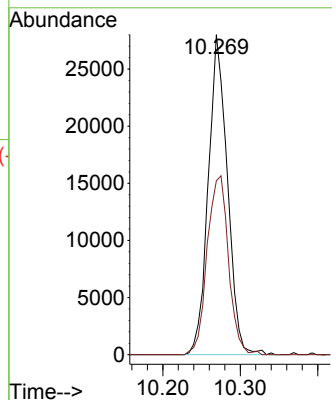
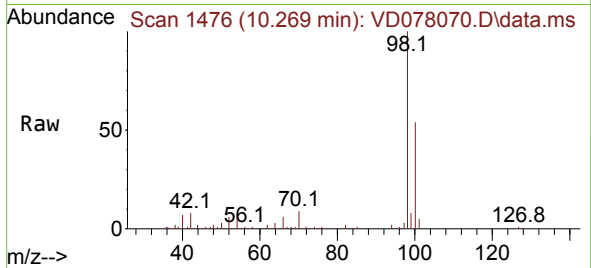




#50
Toluene-d8
Concen: 44.318 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078070.D
Acq: 22 Dec 2023 18:01

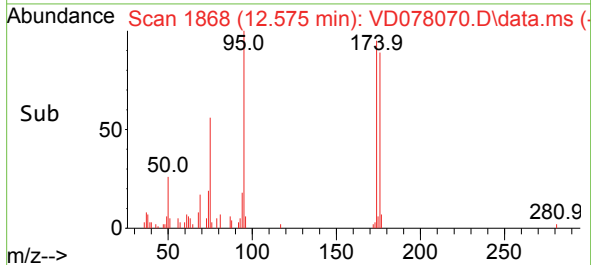
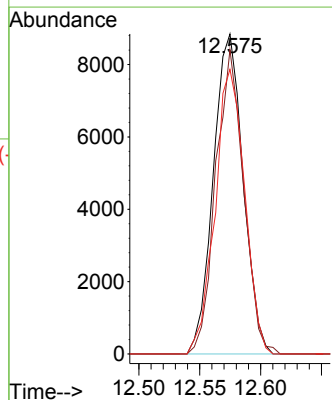
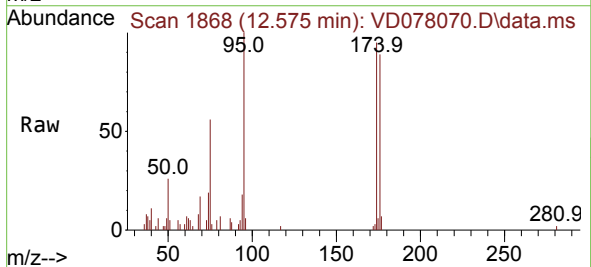
Instrument :
MSVOA_D
ClientSampleId :

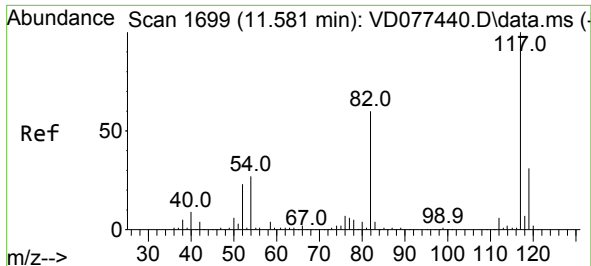
Tgt Ion: 98 Resp: 47965
Ion Ratio Lower Upper
98 100
100 62.5 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 46.638 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078070.D
Acq: 22 Dec 2023 18:01

Tgt Ion: 95 Resp: 15091
Ion Ratio Lower Upper
95 100
174 88.5 0.0 201.8
176 88.2 0.0 191.8

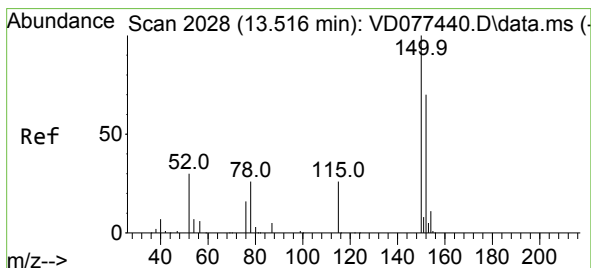
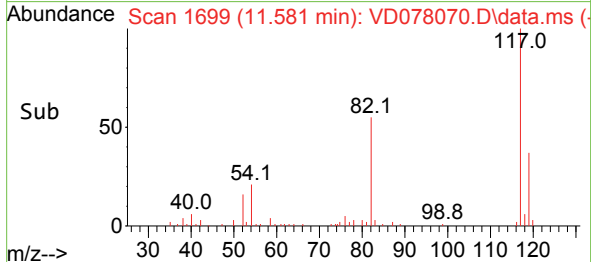
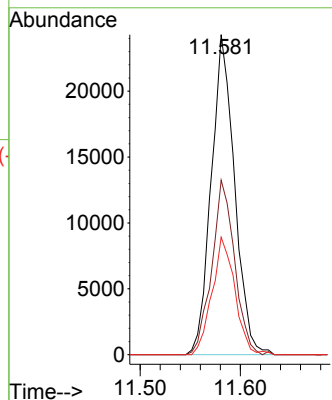
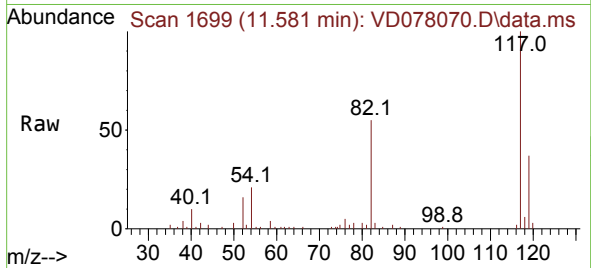




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD078070.D
Acq: 22 Dec 2023 18:01

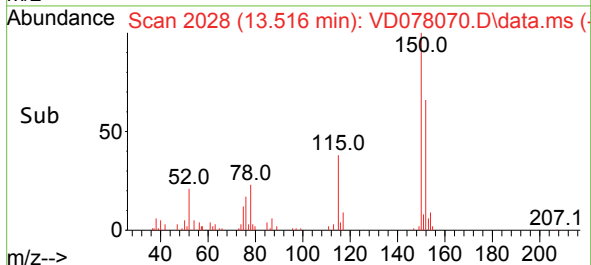
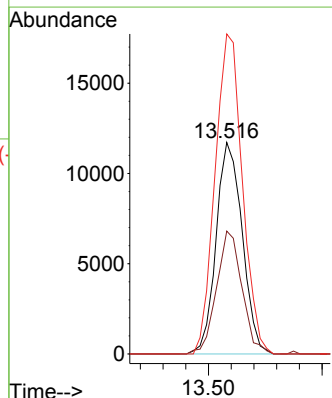
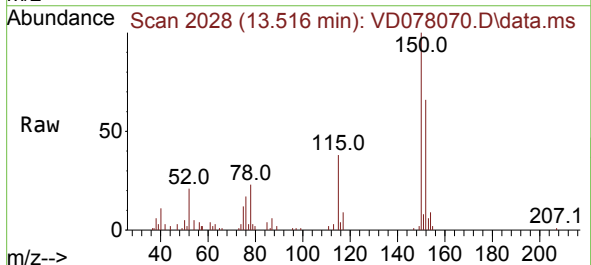
Instrument :
MSVOA_D
ClientSampleId :

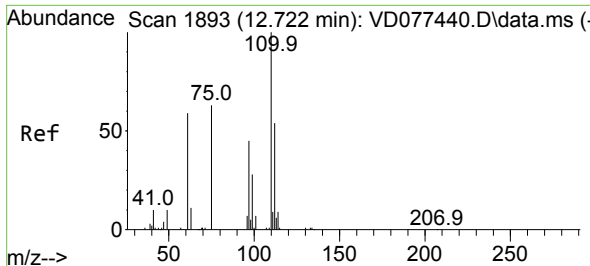
Tgt Ion:117 Resp: 39221
Ion Ratio Lower Upper
117 100
82 54.6 38.3 57.5
119 36.7 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD078070.D
Acq: 22 Dec 2023 18:01

Tgt Ion:152 Resp: 18698
Ion Ratio Lower Upper
152 100
115 56.7 27.1 81.3
150 158.2 0.0 353.6

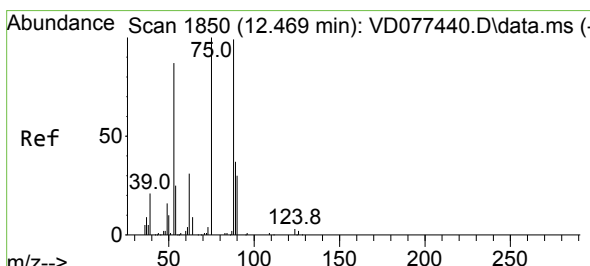
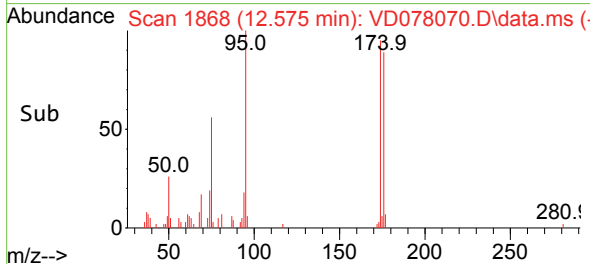
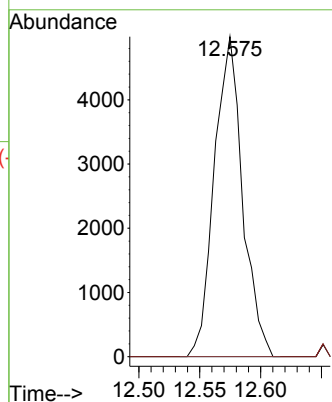
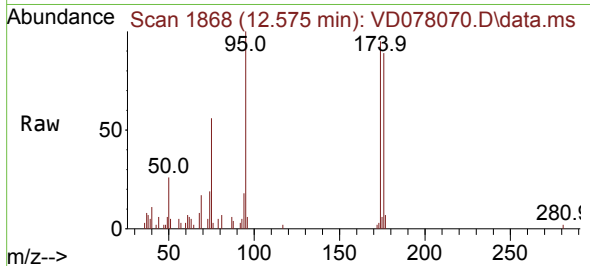




#76
1,2,3-Trichloropropane
Concen: 49.553 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078070.D
Acq: 22 Dec 2023 18:01

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 8047
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 100.397 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078070.D
Acq: 22 Dec 2023 18:01

Tgt Ion: 75 Resp: 8047
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

