

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020924\
 Data File : VD078389.D
 Acq On : 09 Feb 2024 16:59
 Operator : RP/MD
 Sample : P1394-04RE
 Misc : 3.91G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-4(5-6)RE

Quant Time: Feb 09 23:02:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D013024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 03:58:19 2024
 Response via : Initial Calibration

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

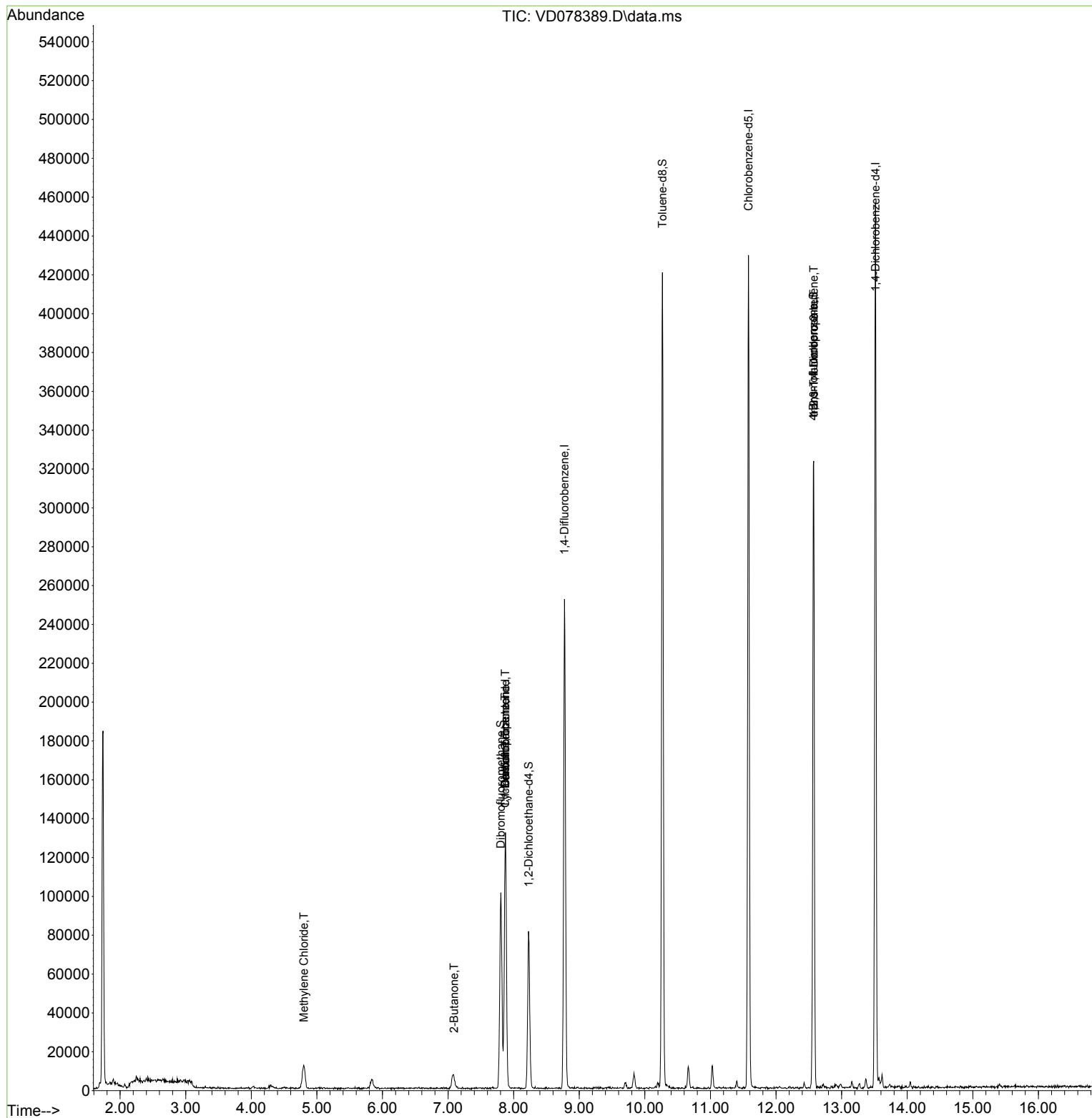
Internal Standards						
1) Pentafluorobenzene	7.875	168	95748	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	215552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	243173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	114199	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	59709	50.375	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.740%	
35) Dibromofluoromethane	7.804	113	71885	46.844	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 93.680%	
50) Toluene-d8	10.269	98	285460	49.133	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.260%	
62) 4-Bromofluorobenzene	12.569	95	99206	57.017	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 114.040%	
Target Compounds						
					Qvalue	
16) Acetone	4.028	43	1605	Below Cal	#	32
20) Methylene Chloride	4.805	84	9873	4.280	ug/l	88
25) 2-Butanone	7.093	43	3091	7.826	ug/l	# 75
31) Cyclohexane	7.869	56	2583	1.164	ug/l	# 46
36) 1,1-Dichloropropene	7.869	75	8434	3.314	ug/l	# 46
38) Carbon Tetrachloride	7.875	117	10510	4.200	ug/l	# 15
76) 1,2,3-Trichloropropane	12.575	75	53359	44.704	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	53359	88.908	ug/l	# 17

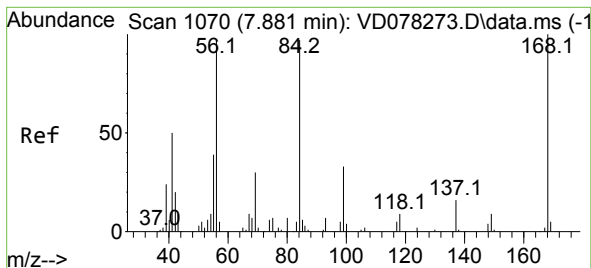
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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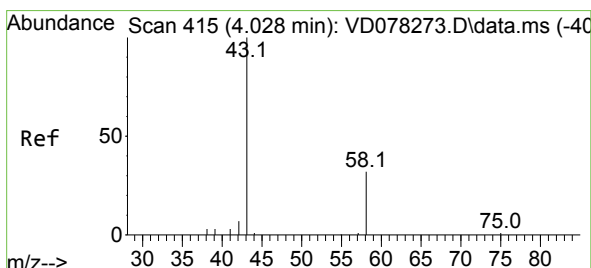
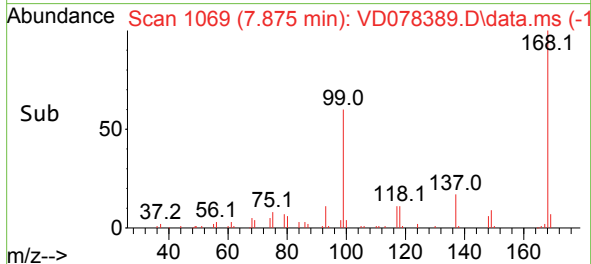
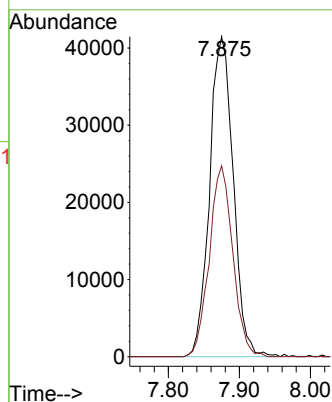
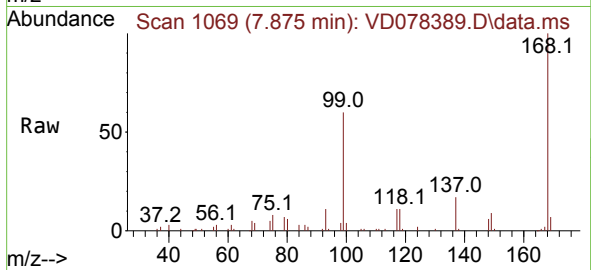




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VD078389.D
Acq: 09 Feb 2024 16:59

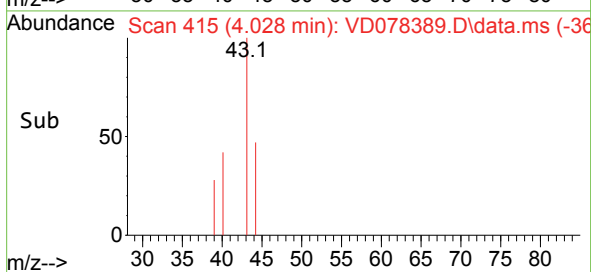
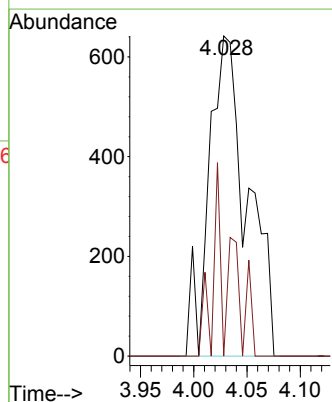
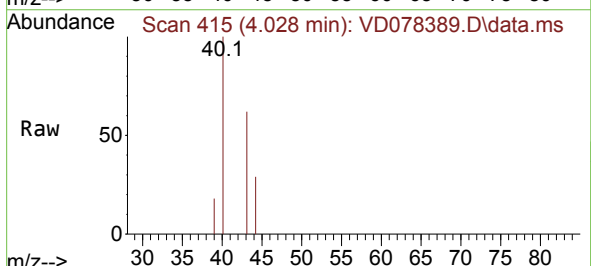
Instrument :
MSVOA_D
ClientSampleId :
SB-4(5-6)RE

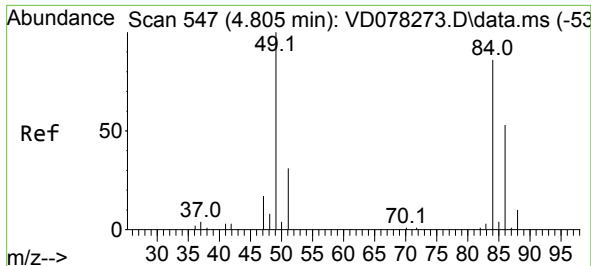
Tgt Ion:168 Resp: 95748
Ion Ratio Lower Upper
168 100
99 59.6 36.7 55.1#



#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 415
Delta R.T. 0.000 min
Lab File: VD078389.D
Acq: 09 Feb 2024 16:59

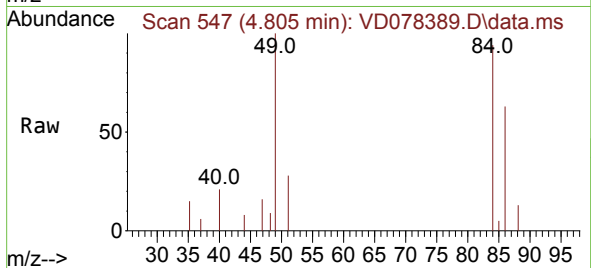
Tgt Ion: 43 Resp: 1605
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



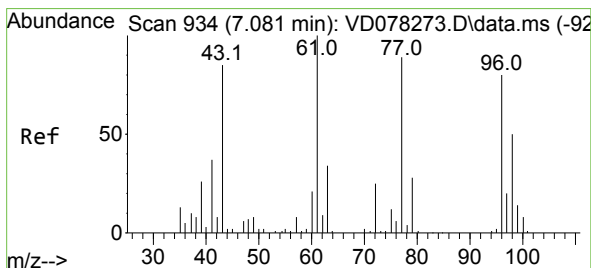
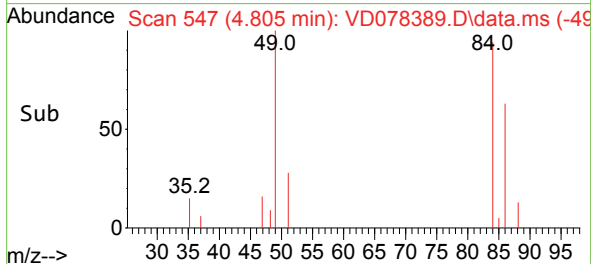
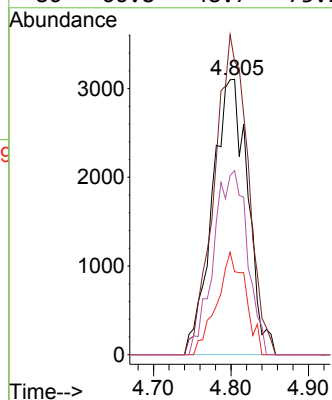


#20
Methylene Chloride
Concen: 4.280 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD078389.D
Acq: 09 Feb 2024 16:59

Instrument :
MSVOA_D
ClientSampleId :
SB-4(5-6)RE

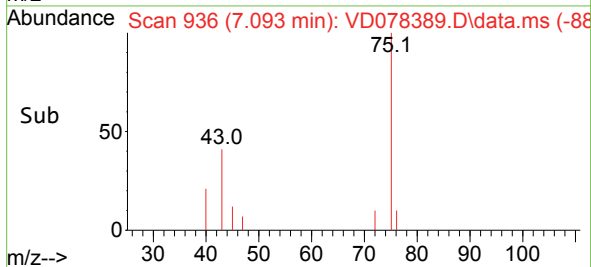
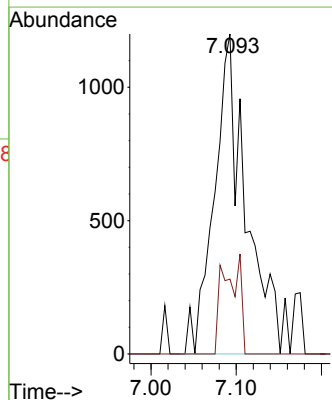
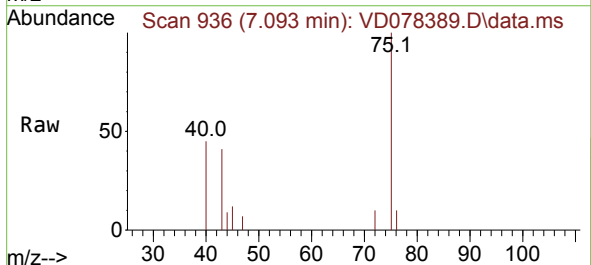


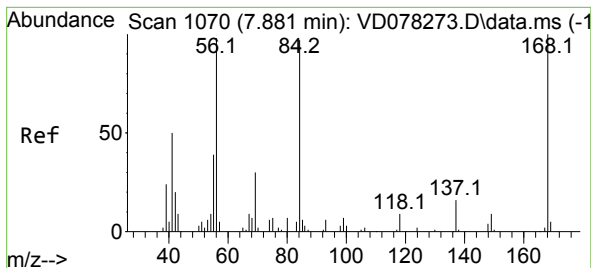
Tgt Ion: 84	Resp: 9873
Ion Ratio	Lower Upper
84 100	
49 106.5	71.4 107.2
51 30.2	24.5 36.7
86 66.8	48.7 73.1



#25
2-Butanone
Concen: 7.826 ug/l
RT: 7.093 min Scan# 936
Delta R.T. 0.012 min
Lab File: VD078389.D
Acq: 09 Feb 2024 16:59

Tgt Ion: 43	Resp: 3091
Ion Ratio	Lower Upper
43 100	
72 23.4	30.7 46.1#





#31

Cyclohexane

Concen: 1.164 ug/l

RT: 7.869 min Scan# 1106

Delta R.T. -0.012 min

Lab File: VD078389.D

Acq: 09 Feb 2024 16:59

Instrument :

MSVOA_D

ClientSampleId :

SB-4(5-6)RE

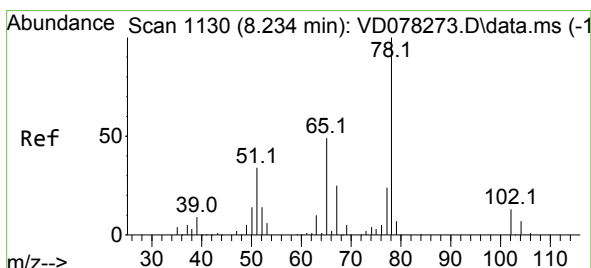
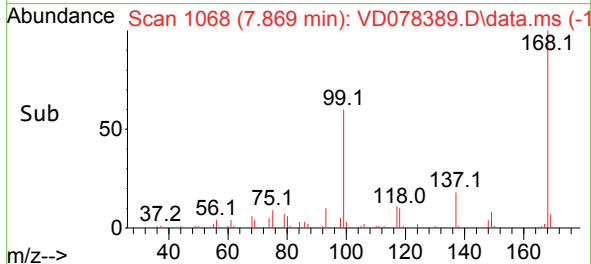
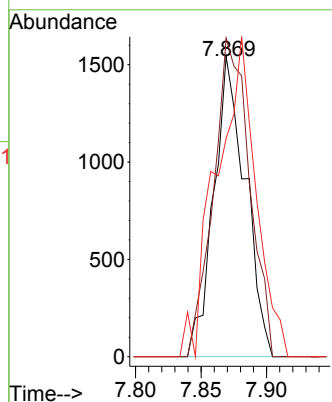
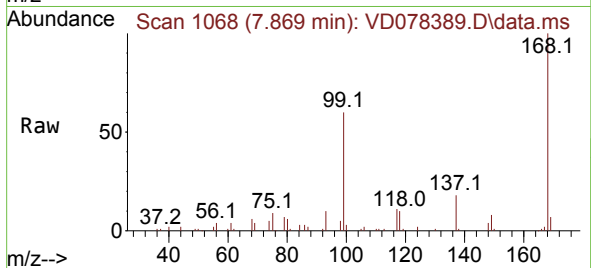
Tgt Ion: 56 Resp: 2583

Ion Ratio Lower Upper

56 100

69 106.0 28.6 43.0#

84 72.7 84.8 127.2#



#33

1,2-Dichloroethane-d4

Concen: 50.375 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078389.D

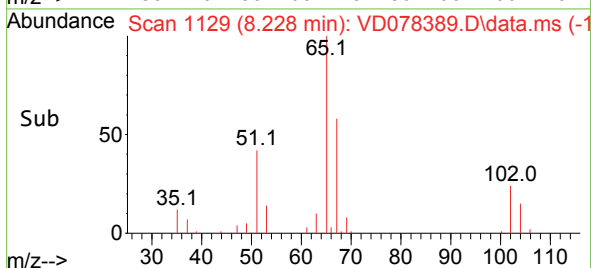
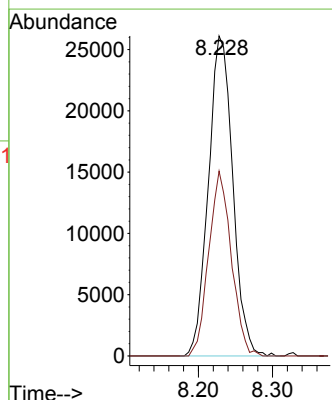
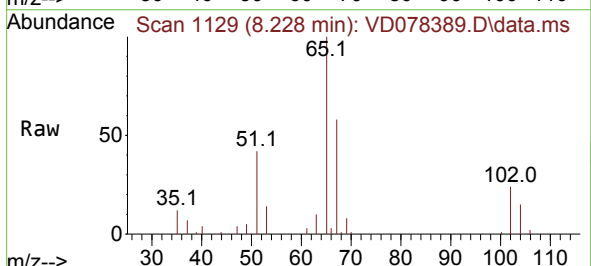
Acq: 09 Feb 2024 16:59

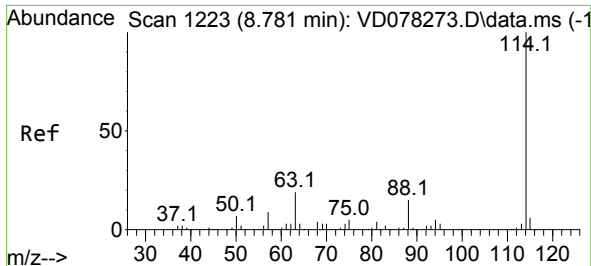
Tgt Ion: 65 Resp: 59709

Ion Ratio Lower Upper

65 100

67 53.5 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD078389.D

Acq: 09 Feb 2024 16:59

Instrument :

MSVOA_D

ClientSampleId :

SB-4(5-6)RE

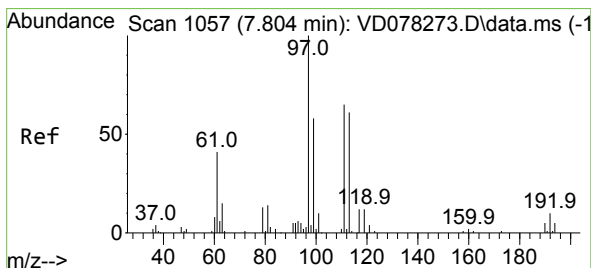
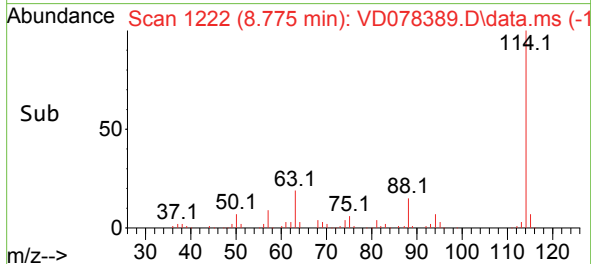
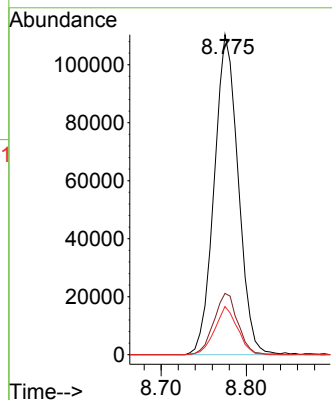
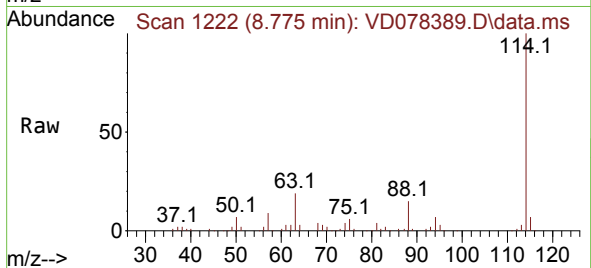
Tgt Ion:114 Resp: 215552

Ion Ratio Lower Upper

114 100

63 19.1 0.0 33.4

88 15.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 46.844 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD078389.D

Acq: 09 Feb 2024 16:59

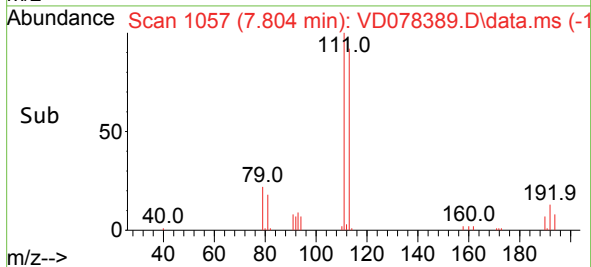
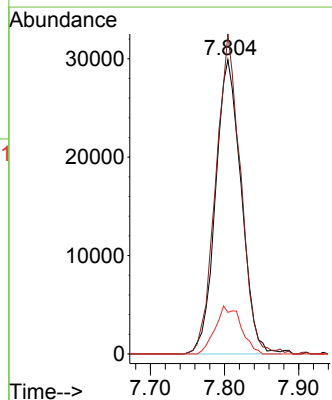
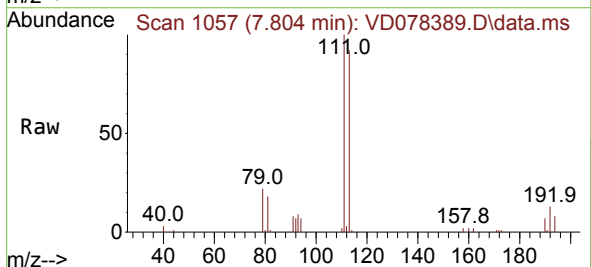
Tgt Ion:113 Resp: 71885

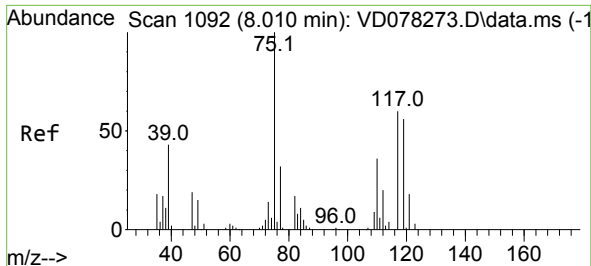
Ion Ratio Lower Upper

113 100

111 105.5 84.7 127.1

192 16.4 16.8 25.2#





#36

1,1-Dichloropropene

Concen: 3.314 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD078389.D

Acq: 09 Feb 2024 16:59

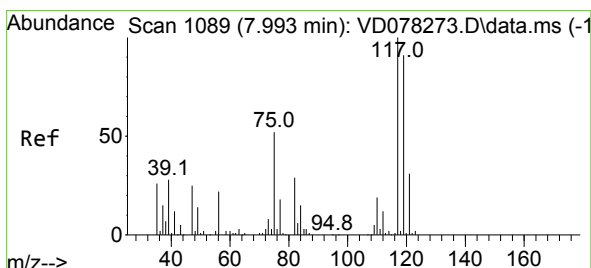
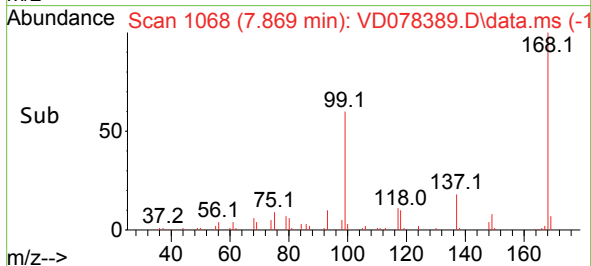
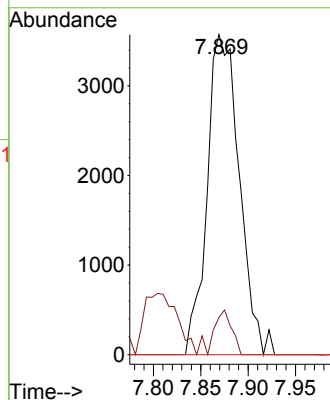
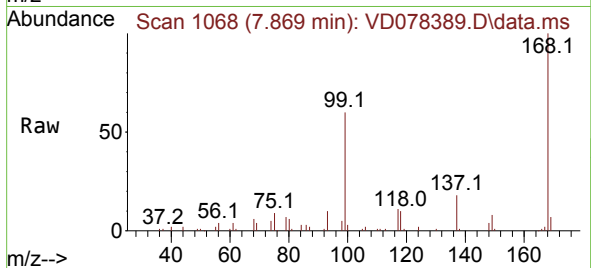
Instrument :

MSVOA_D

ClientSampleId :

SB-4(5-6)RE

Tgt Ion: 75	Resp: 8434
Ion Ratio	Lower Upper
75	100
110	8.1 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.200 ug/l

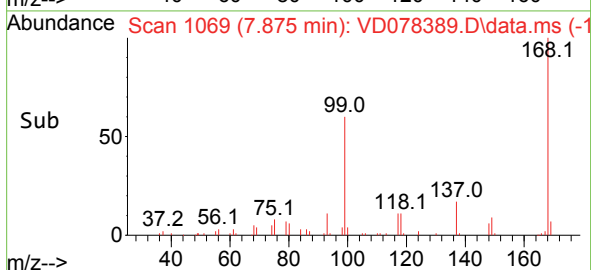
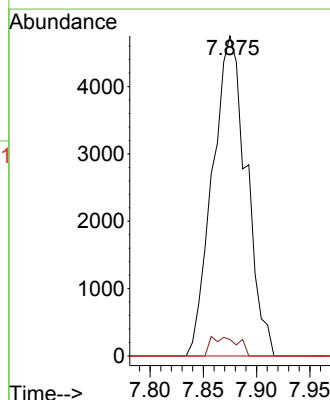
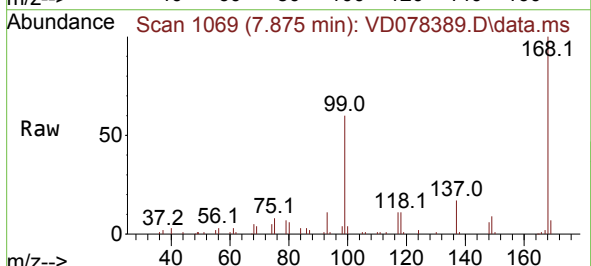
RT: 7.875 min Scan# 1069

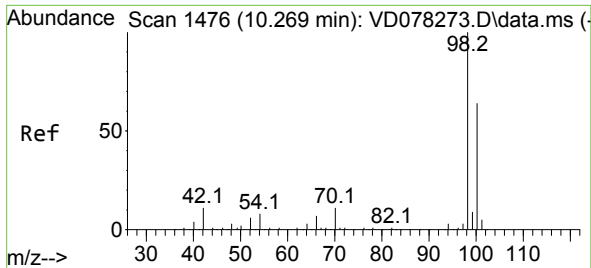
Delta R.T. -0.118 min

Lab File: VD078389.D

Acq: 09 Feb 2024 16:59

Tgt Ion: 117	Resp: 10510
Ion Ratio	Lower Upper
117	100
119	5.2 78.0 117.0#
121	0.0 24.2 36.2#

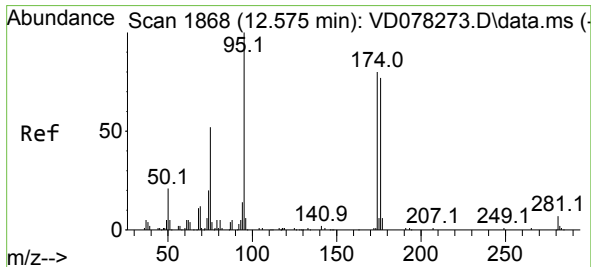
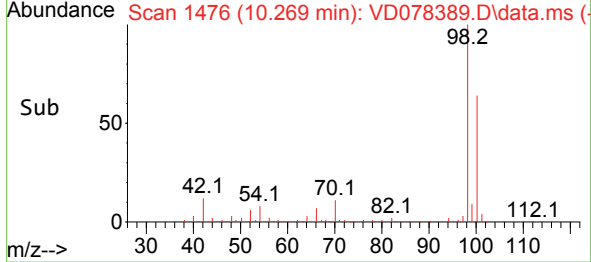
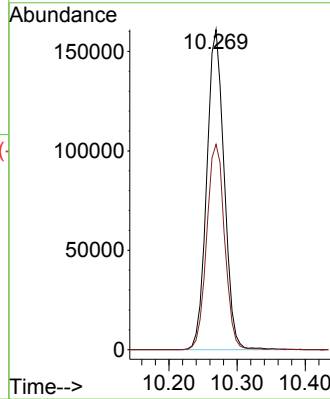
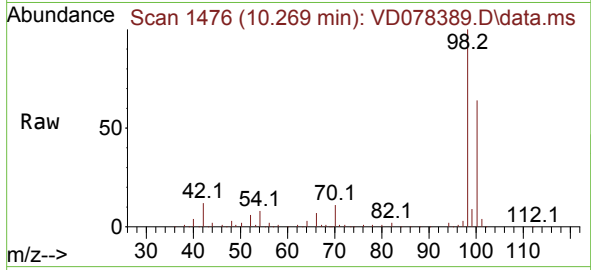




#50
Toluene-d8
Concen: 49.133 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078389.D
Acq: 09 Feb 2024 16:59

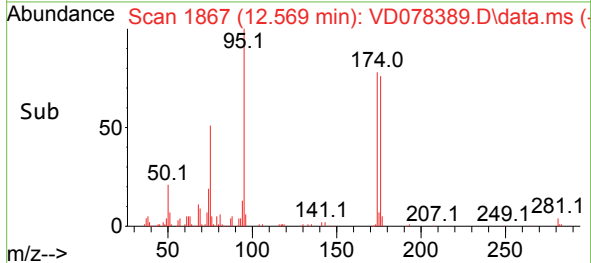
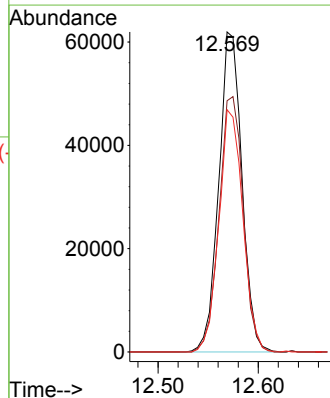
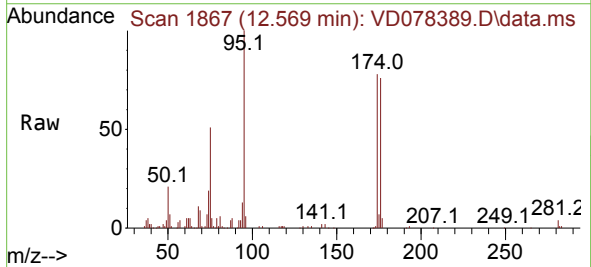
Instrument :
MSVOA_D
ClientSampleId :
SB-4(5-6)RE

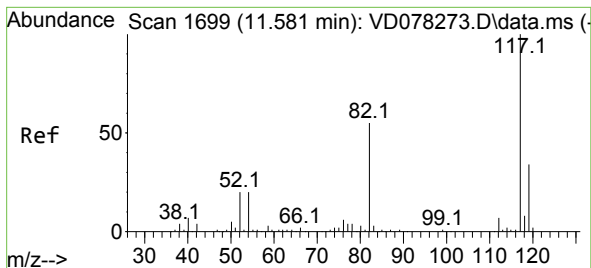
Tgt Ion: 98 Resp: 285460
Ion Ratio Lower Upper
98 100
100 66.4 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 57.017 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD078389.D
Acq: 09 Feb 2024 16:59

Tgt Ion: 95 Resp: 99206
Ion Ratio Lower Upper
95 100
174 83.1 0.0 201.8
176 78.4 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: VD078389.D

Acq: 09 Feb 2024 16:59

Instrument :

MSVOA_D

ClientSampleId :

SB-4(5-6)RE

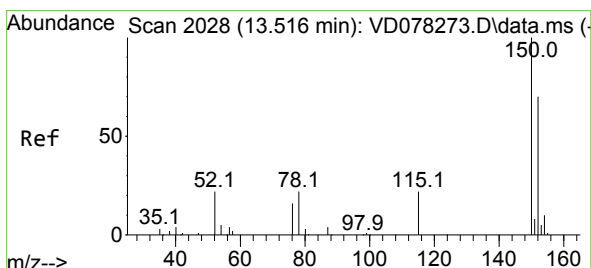
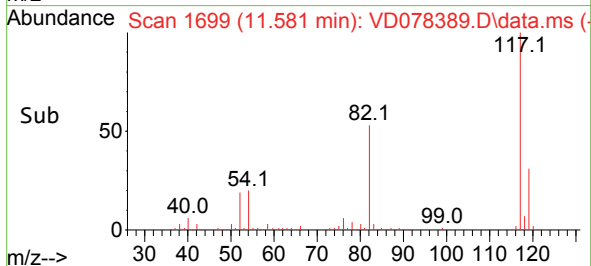
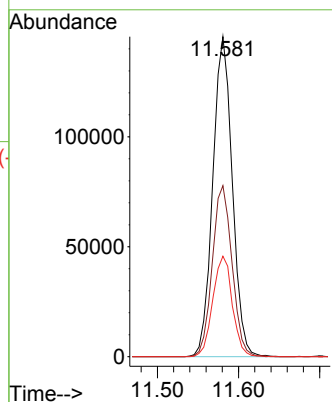
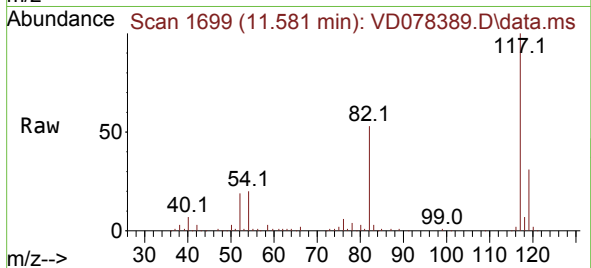
Tgt Ion:117 Resp: 243173

Ion Ratio Lower Upper

117 100

82 53.4 38.3 57.5

119 31.4 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: VD078389.D

Acq: 09 Feb 2024 16:59

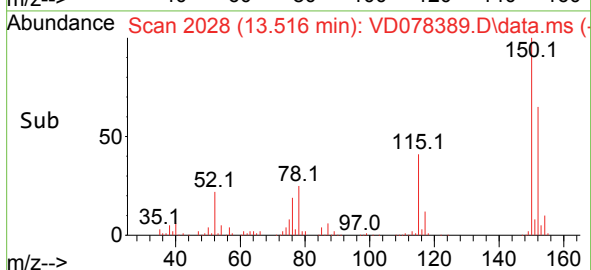
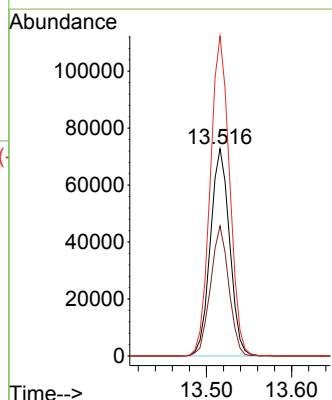
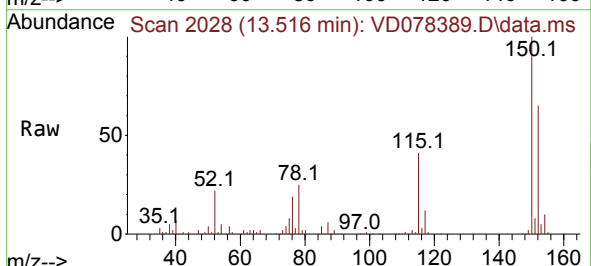
Tgt Ion:152 Resp: 114199

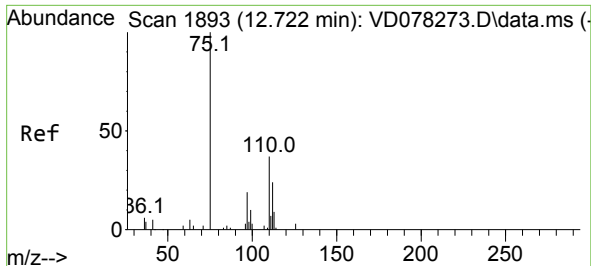
Ion Ratio Lower Upper

152 100

115 59.6 27.1 81.3

150 154.8 0.0 353.6

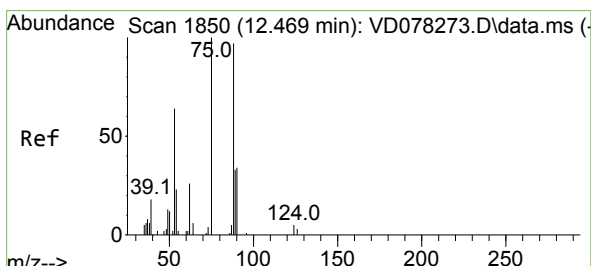
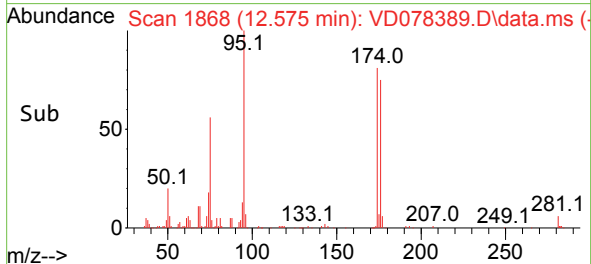
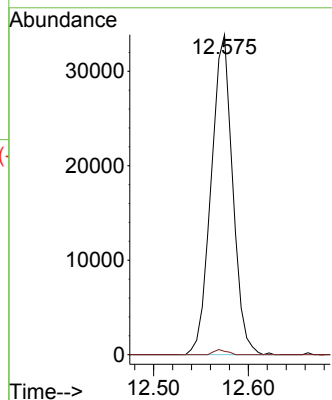
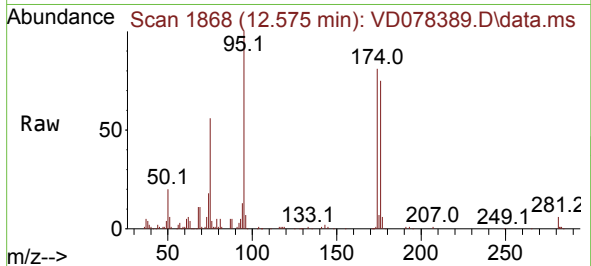




#76
1,2,3-Trichloropropane
Concen: 44.704 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078389.D
Acq: 09 Feb 2024 16:59

Instrument :
MSVOA_D
ClientSampleId :
SB-4(5-6)RE

Tgt Ion: 75 Resp: 53359
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.908 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078389.D
Acq: 09 Feb 2024 16:59

Tgt Ion: 75 Resp: 53359
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.0 37.9 56.9#

