

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012224\
 Data File : VD078193.D
 Acq On : 22 Jan 2024 13:14
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 23 05:28:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 05:12:01 2024
 Response via : Initial Calibration

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

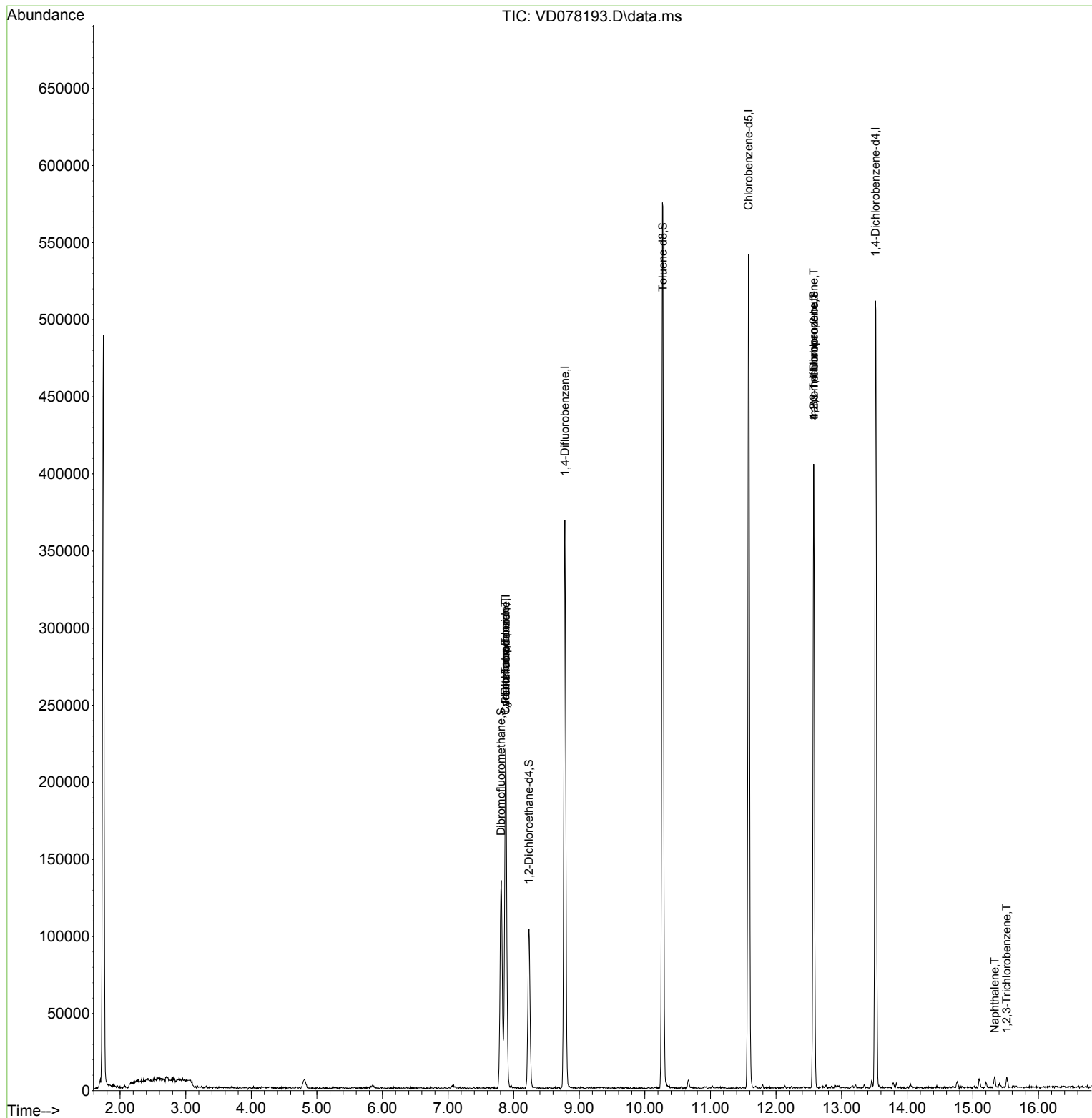
Internal Standards						
1) Pentafluorobenzene	7.881	168	165804	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	334830	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	313782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	135756	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	81268	42.935	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.880%
35) Dibromofluoromethane	7.810	113	99448	45.129	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.260%
50) Toluene-d8	10.275	98	406211	46.554	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.100%
62) 4-Bromofluorobenzene	12.575	95	124061	49.028	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.060%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	58	Below Cal	#	43
3) Chloromethane	2.146	50	642	Below Cal	#	77
16) Acetone	4.040	43	604	Below Cal	#	32
20) Methylene Chloride	4.805	84	4629	Below Cal	#	67
25) 2-Butanone	7.075	43	299	Below Cal	#	37
31) Cyclohexane	7.875	56	3750	1.072	ug/l	# 53
36) 1,1-Dichloropropene	7.875	75	14110	3.894	ug/l	# 47
38) Carbon Tetrachloride	7.875	117	17505	4.891	ug/l	# 15
76) 1,2,3-Trichloropropane	12.575	75	65584	52.273	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	65584	108.497	ug/l	# 17
95) Naphthalene	15.333	128	6309	1.340	ug/l	# 91
96) 1,2,3-Trichlorobenzene	15.516	180	2241	1.061	ug/l	81

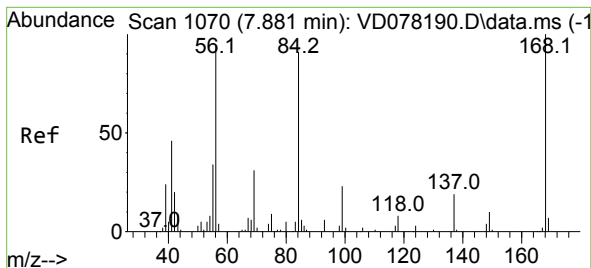
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VD078193.D

Acq: 22 Jan 2024 13:14

Instrument :

MSVOA_D

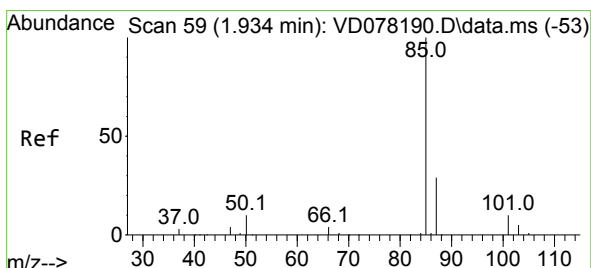
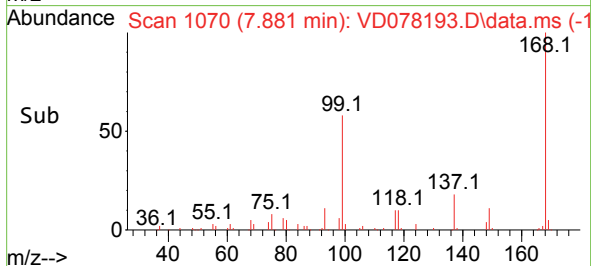
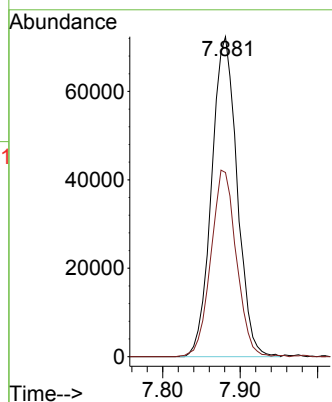
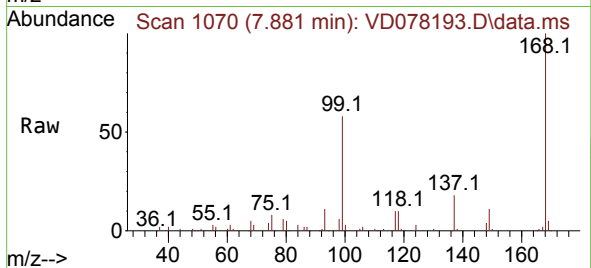
ClientSampleId :

Tgt Ion:168 Resp: 165804

Ion Ratio Lower Upper

168 100

99 57.3 36.7 55.1#



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min

Lab File: VD078193.D

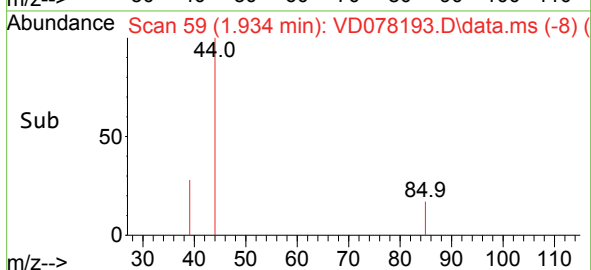
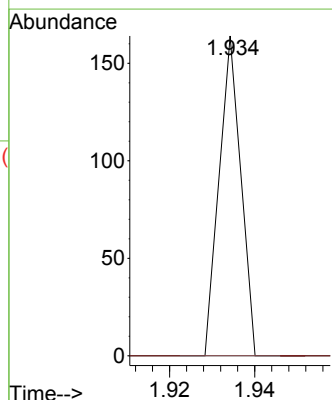
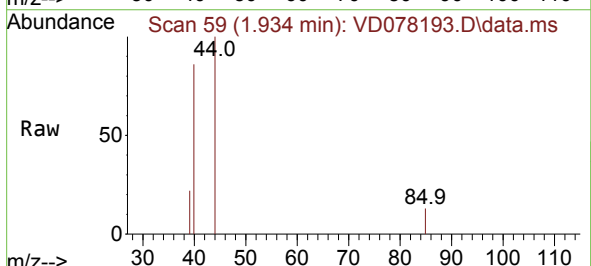
Acq: 22 Jan 2024 13:14

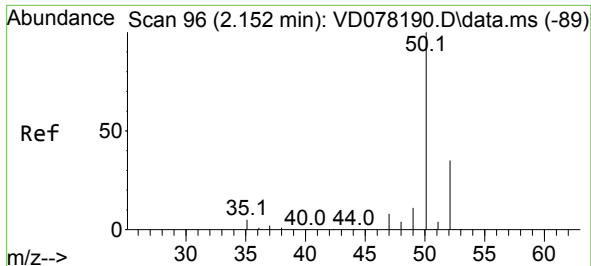
Tgt Ion: 85 Resp: 58

Ion Ratio Lower Upper

85 100

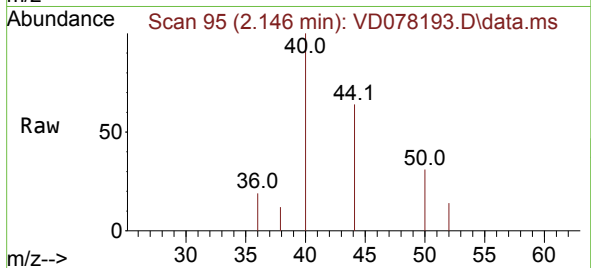
87 0.0 15.7 47.0#



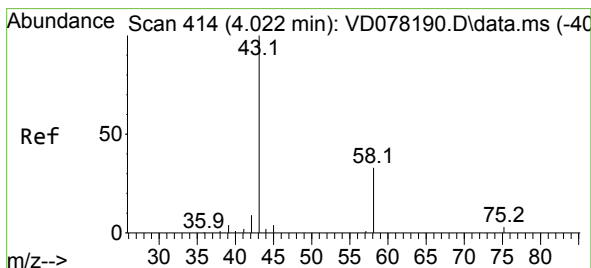
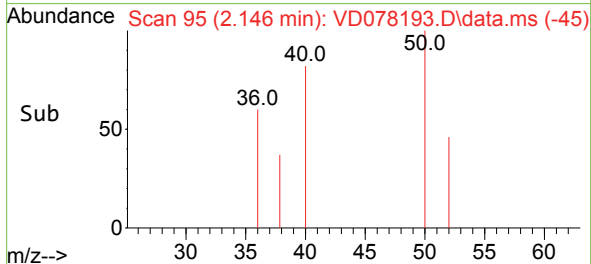
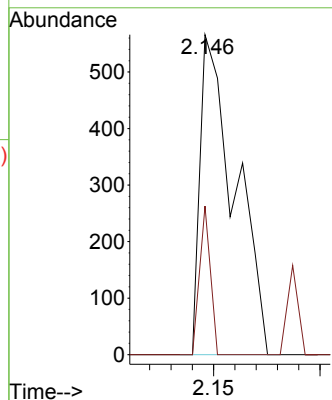


#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD078193.D
Acq: 22 Jan 2024 13:14

Instrument :
MSVOA_D
ClientSampleId :

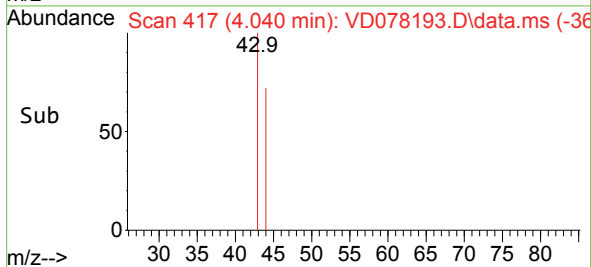
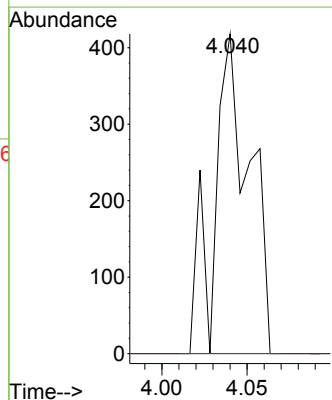
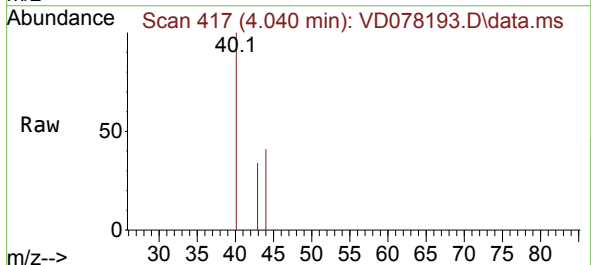


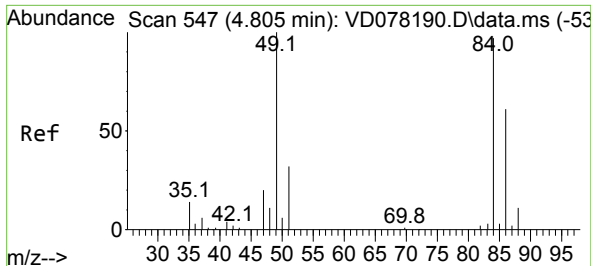
Tgt Ion: 50 Resp: 642
Ion Ratio Lower Upper
50 100
52 46.5 26.6 40.0#



#16
Acetone
Concen: Below Cal
RT: 4.040 min Scan# 417
Delta R.T. 0.018 min
Lab File: VD078193.D
Acq: 22 Jan 2024 13:14

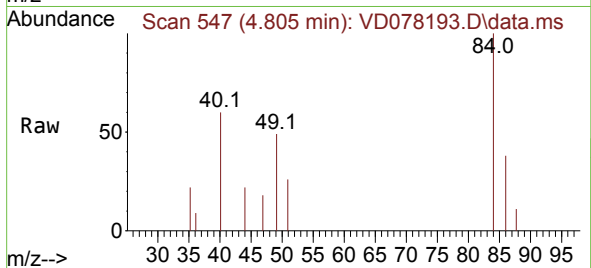
Tgt Ion: 43 Resp: 604
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



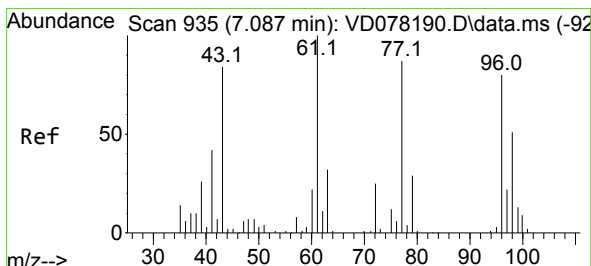
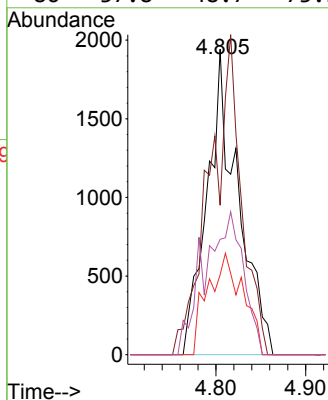
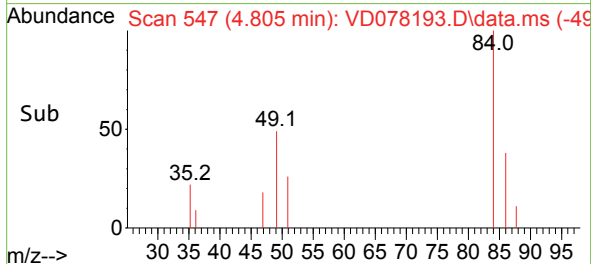


#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD078193.D
Acq: 22 Jan 2024 13:14

Instrument :
MSVOA_D
ClientSampleId :

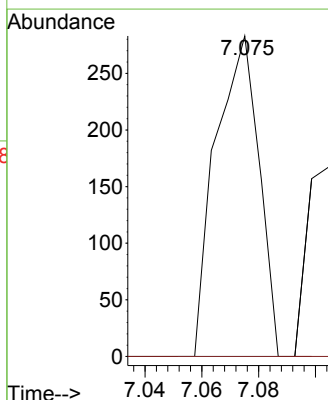
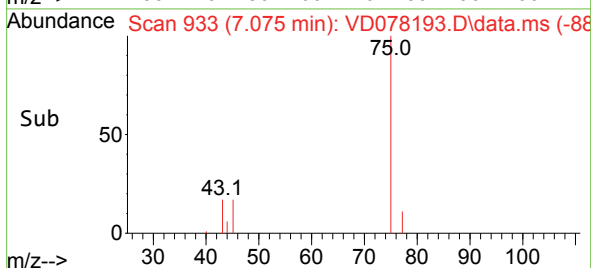
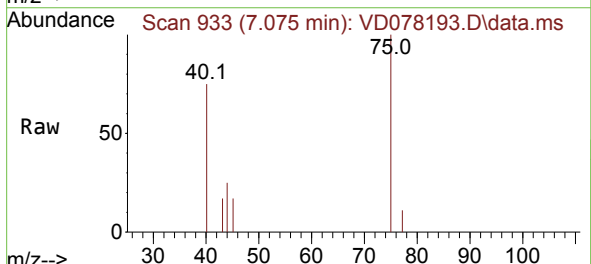


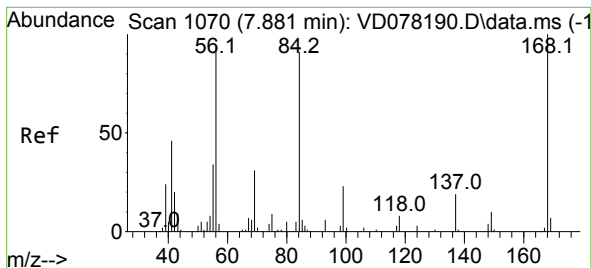
Tgt Ion: 84	Resp: 4629
Ion Ratio	Lower Upper
84 100	
49 48.9	71.4 107.2#
51 26.2	24.5 36.7
86 37.8	48.7 73.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 933
Delta R.T. -0.012 min
Lab File: VD078193.D
Acq: 22 Jan 2024 13:14

Tgt Ion: 43	Resp: 299		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	30.7	46.1#	





#31

Cyclohexane

Concen: 1.072 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

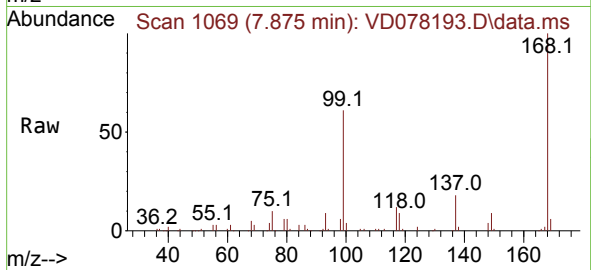
Lab File: VD078193.D

Acq: 22 Jan 2024 13:14

Instrument :

MSVOA_D

ClientSampleId :



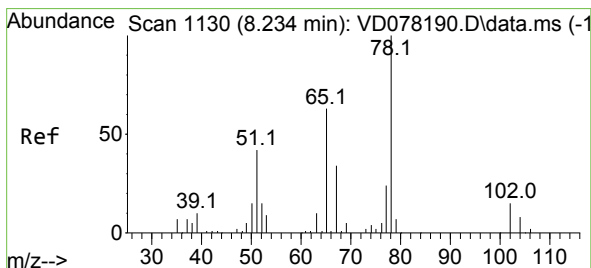
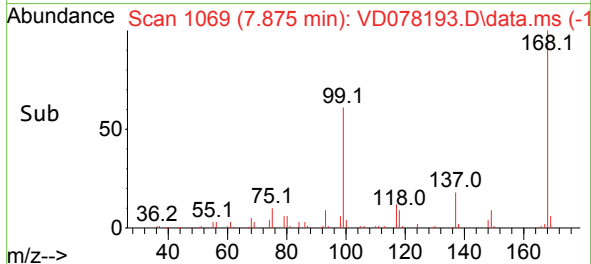
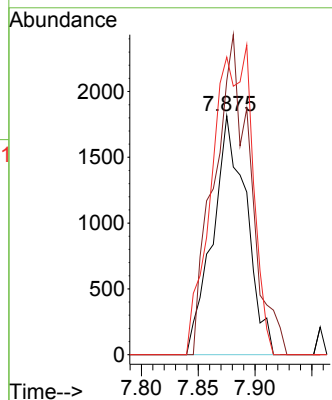
Tgt Ion: 56 Resp: 3750

Ion Ratio Lower Upper

56 100

69 114.7 28.6 43.0#

84 124.6 84.8 127.2



#33

1,2-Dichloroethane-d4

Concen: 42.935 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078193.D

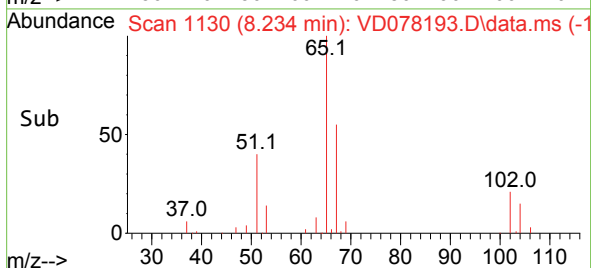
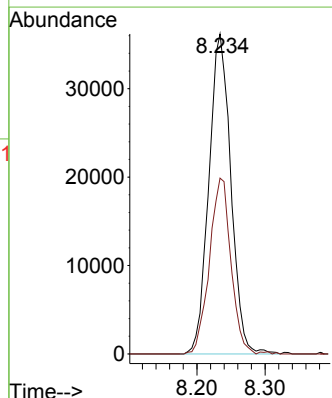
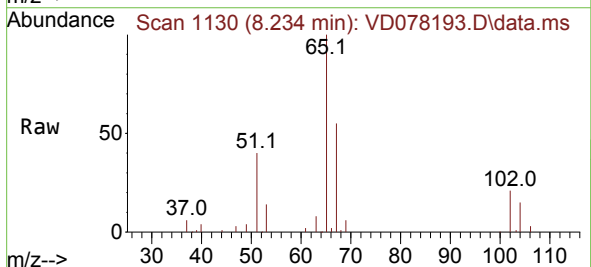
Acq: 22 Jan 2024 13:14

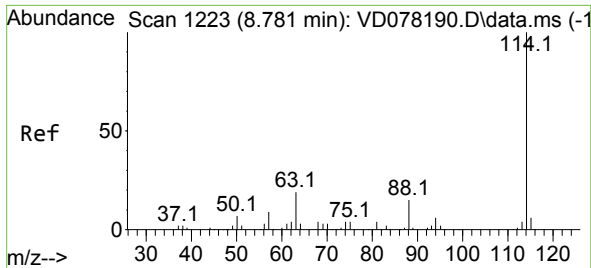
Tgt Ion: 65 Resp: 81268

Ion Ratio Lower Upper

65 100

67 53.5 0.0 115.0

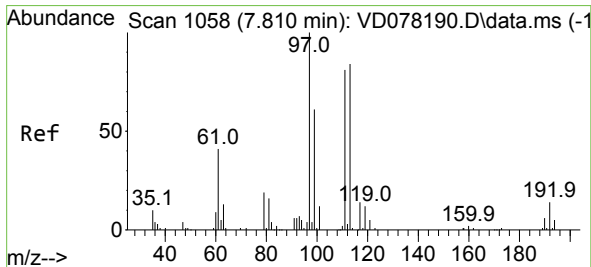
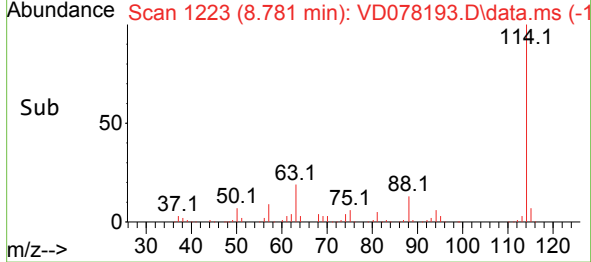
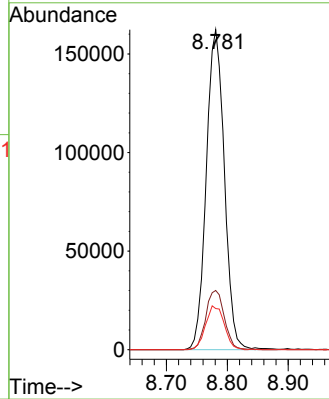
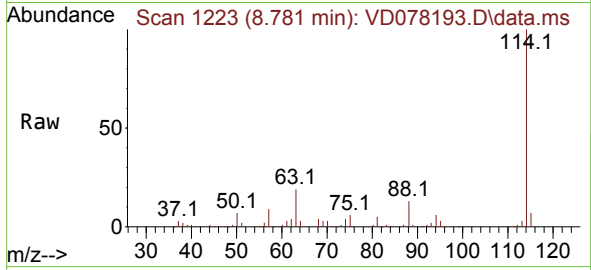




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078193.D
Acq: 22 Jan 2024 13:14

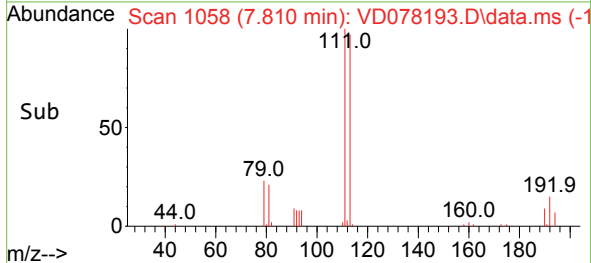
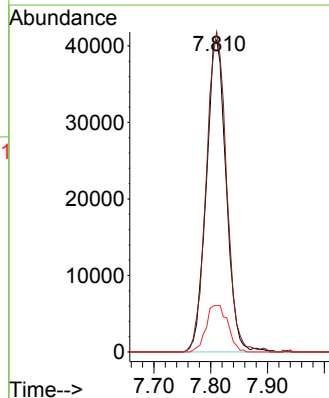
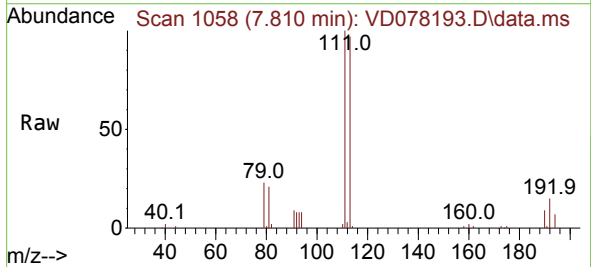
Instrument :
MSVOA_D
ClientSampleId :

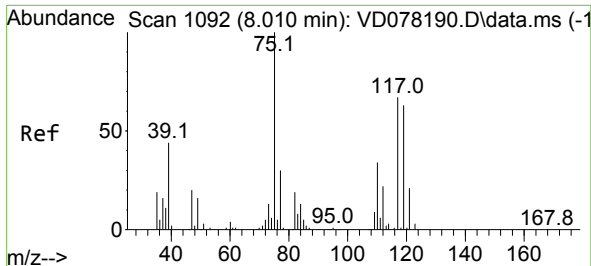
Tgt Ion:114 Resp: 334830
Ion Ratio Lower Upper
114 100
63 18.5 0.0 33.4
88 12.8 0.0 26.2



#35
Dibromofluoromethane
Concen: 45.129 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VD078193.D
Acq: 22 Jan 2024 13:14

Tgt Ion:113 Resp: 99448
Ion Ratio Lower Upper
113 100
111 103.8 84.7 127.1
192 16.2 16.8 25.2#





#36

1,1-Dichloropropene

Concen: 3.894 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

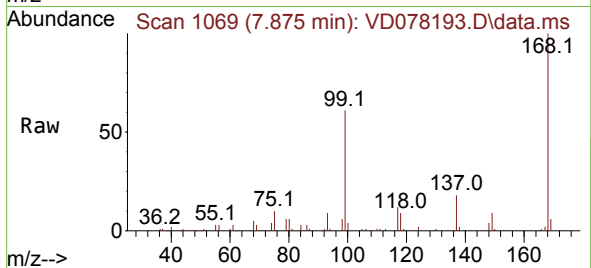
Lab File: VD078193.D

Acq: 22 Jan 2024 13:14

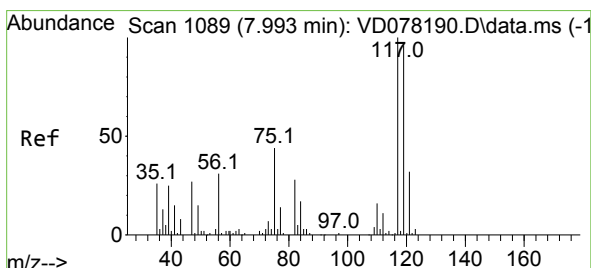
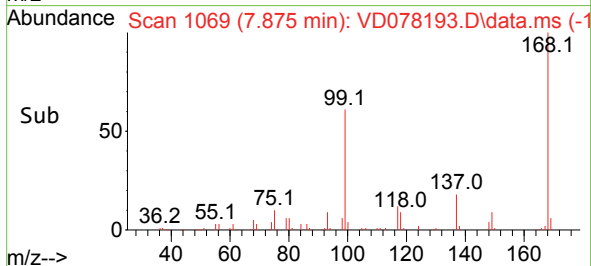
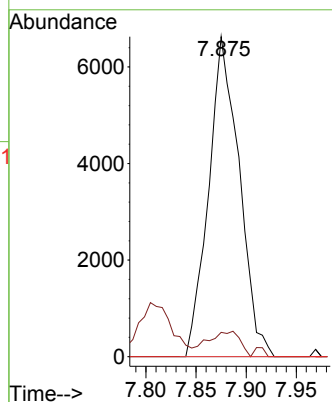
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 14110
Ion Ratio	Lower Upper
75	100
110	8.4 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.891 ug/l

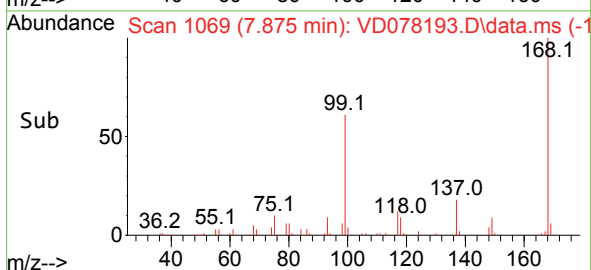
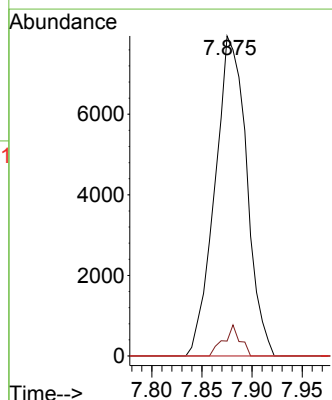
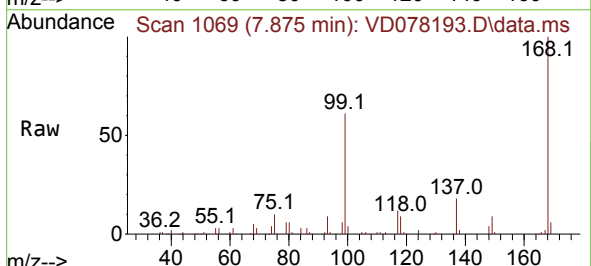
RT: 7.875 min Scan# 1069

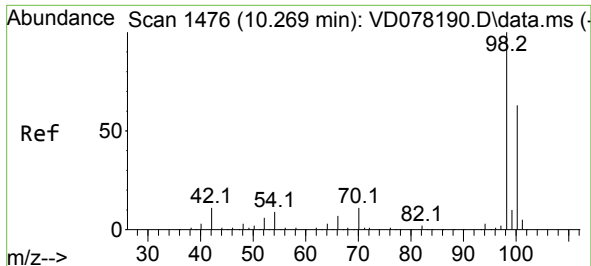
Delta R.T. -0.118 min

Lab File: VD078193.D

Acq: 22 Jan 2024 13:14

Tgt Ion: 117	Resp: 17505
Ion Ratio	Lower Upper
117	100
119	4.6 78.0 117.0#
121	0.0 24.2 36.2#

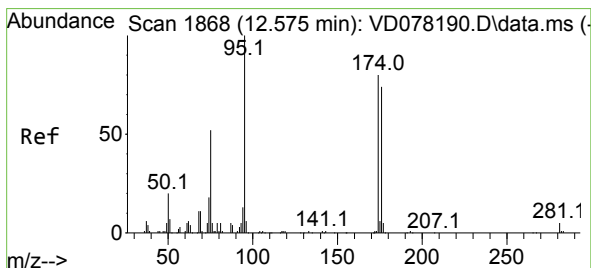
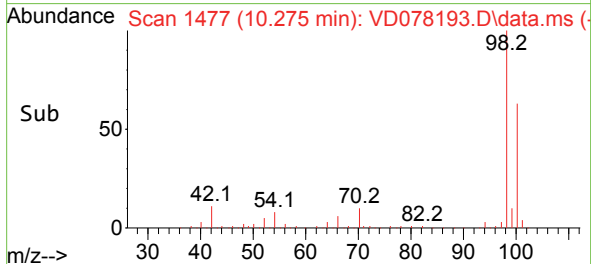
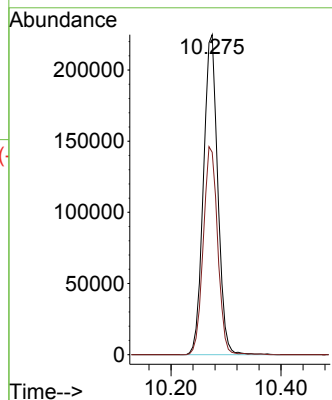
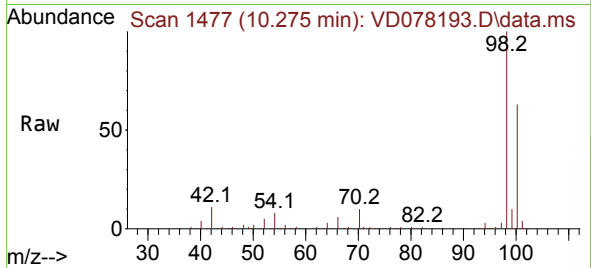




#50
Toluene-d8
Concen: 46.554 ug/l
RT: 10.275 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD078193.D
Acq: 22 Jan 2024 13:14

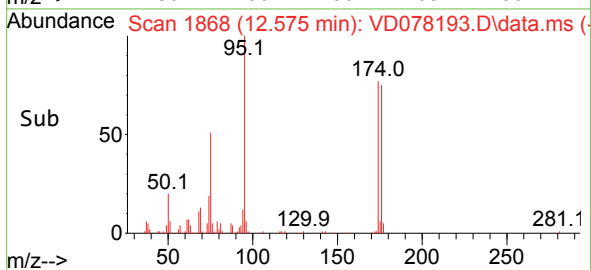
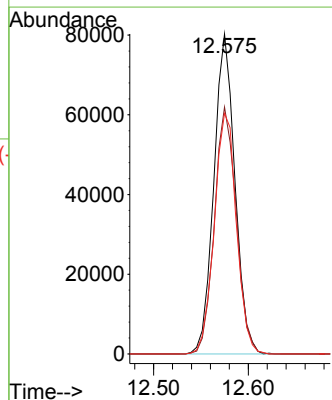
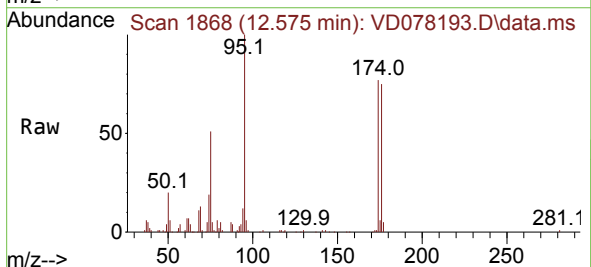
Instrument :
MSVOA_D
ClientSampleId :

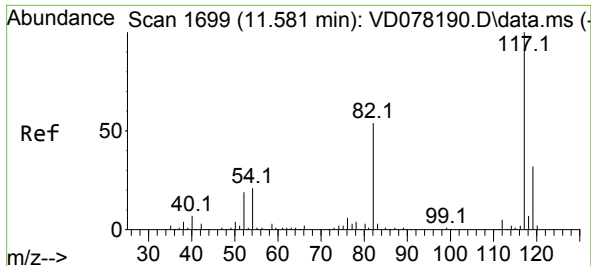
Tgt Ion: 98 Resp: 406211
Ion Ratio Lower Upper
98 100
100 65.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 49.028 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078193.D
Acq: 22 Jan 2024 13:14

Tgt Ion: 95 Resp: 124061
Ion Ratio Lower Upper
95 100
174 80.2 0.0 201.8
176 79.0 0.0 191.8

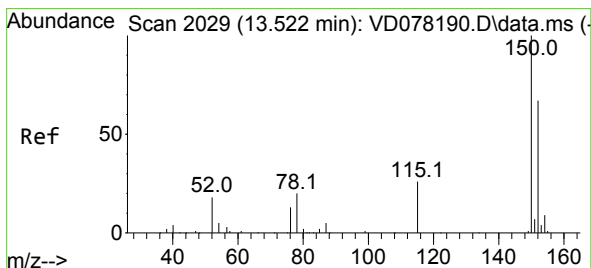
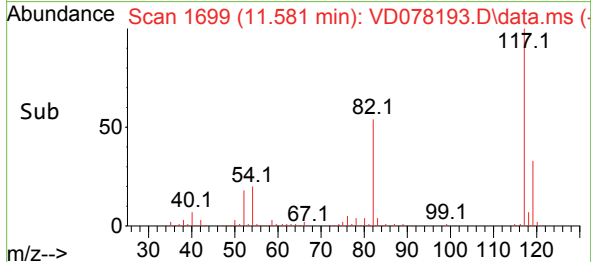
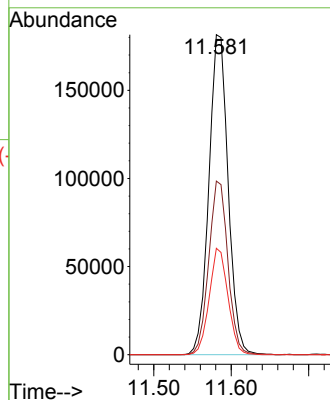
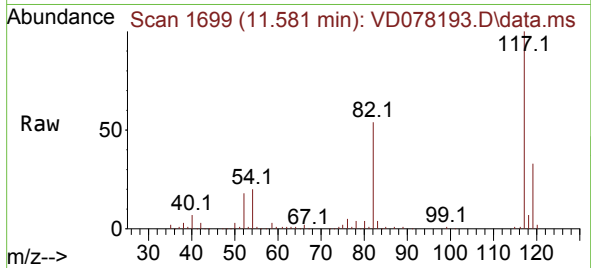




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078193.D
Acq: 22 Jan 2024 13:14

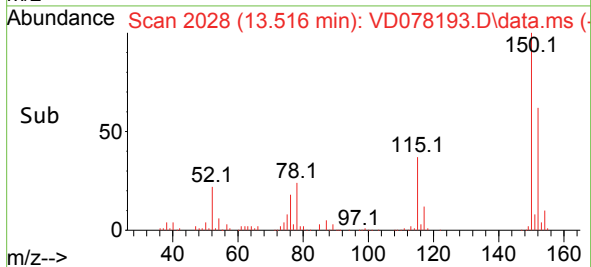
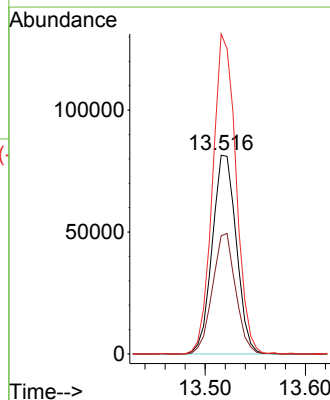
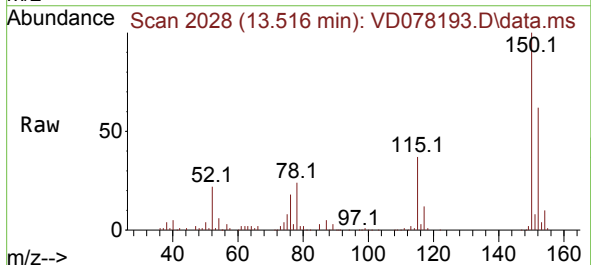
Instrument :
MSVOA_D
ClientSampleId :

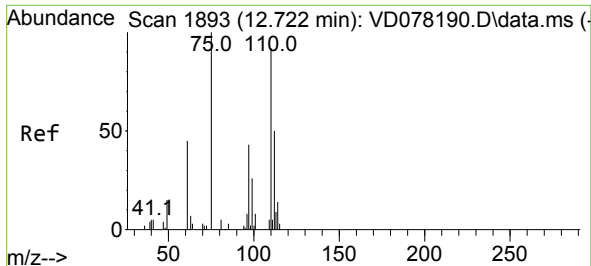
Tgt Ion:117 Resp: 313782
Ion Ratio Lower Upper
117 100
82 54.2 38.3 57.5
119 33.2 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD078193.D
Acq: 22 Jan 2024 13:14

Tgt Ion:152 Resp: 135756
Ion Ratio Lower Upper
152 100
115 58.4 27.1 81.3
150 156.5 0.0 353.6

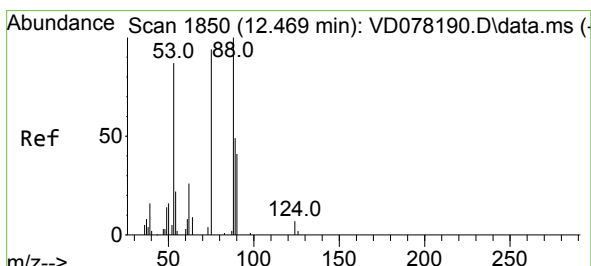
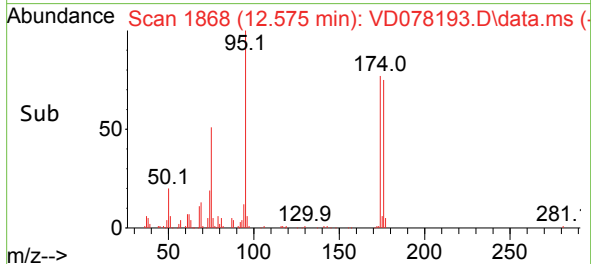
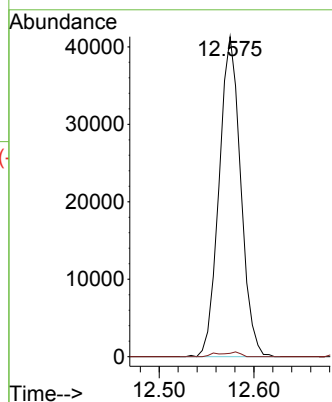
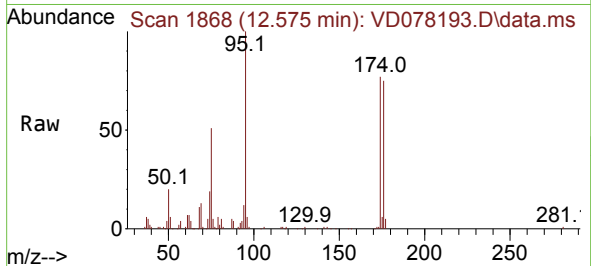




#76
1,2,3-Trichloropropane
Concen: 52.273 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078193.D
Acq: 22 Jan 2024 13:14

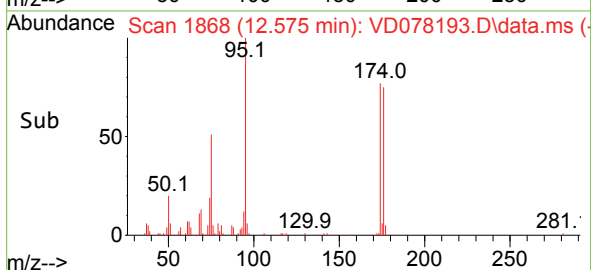
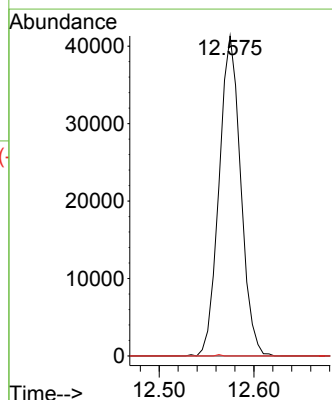
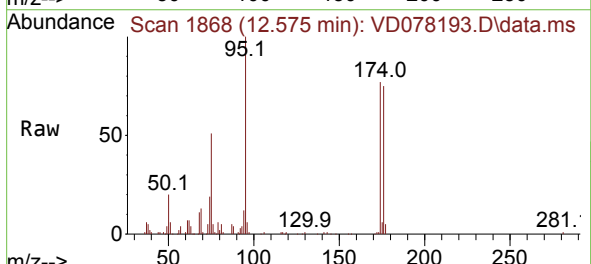
Instrument :
MSVOA_D
ClientSampleId :

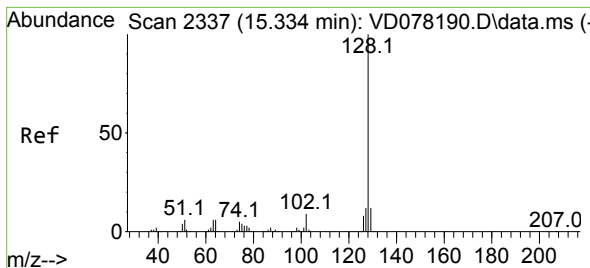
Tgt Ion: 75 Resp: 65584
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.497 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078193.D
Acq: 22 Jan 2024 13:14

Tgt Ion: 75 Resp: 65584
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.1 37.9 56.9#





#95

Naphthalene

Concen: 1.340 ug/l

RT: 15.333 min Scan# 21

Delta R.T. -0.000 min

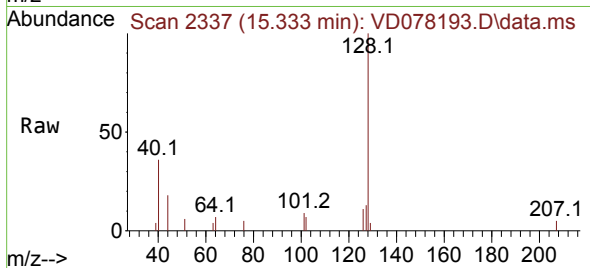
Lab File: VD078193.D

Acq: 22 Jan 2024 13:14

Instrument :

MSVOA_D

ClientSampleId :



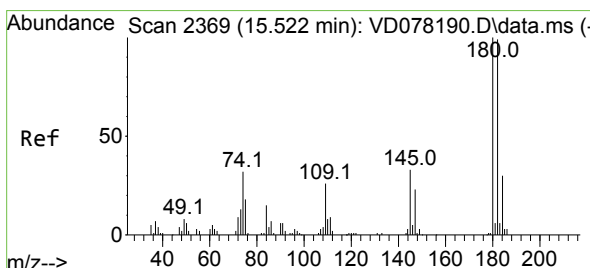
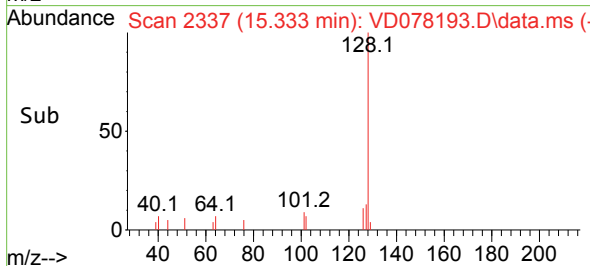
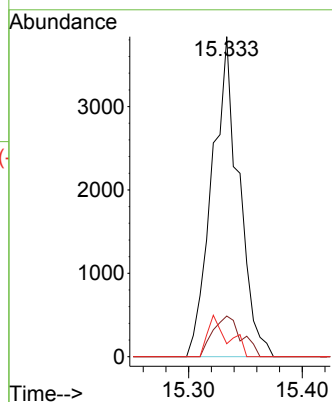
Tgt Ion:128 Resp: 6309

Ion Ratio Lower Upper

128 100

127 12.7 10.5 15.7

129 4.0 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 1.061 ug/l

RT: 15.516 min Scan# 2368

Delta R.T. -0.006 min

Lab File: VD078193.D

Acq: 22 Jan 2024 13:14

Tgt Ion:180 Resp: 2241

Ion Ratio Lower Upper

180 100

182 112.3 47.3 141.9

145 42.0 15.1 45.3

