

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012324\
 Data File : VD078203.D
 Acq On : 23 Jan 2024 11:17
 Operator : RP/MD
 Sample : VD0123SBL01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0123SBL01

Quant Time: Jan 24 00:18:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 05:43:07 2024
 Response via : Initial Calibration

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

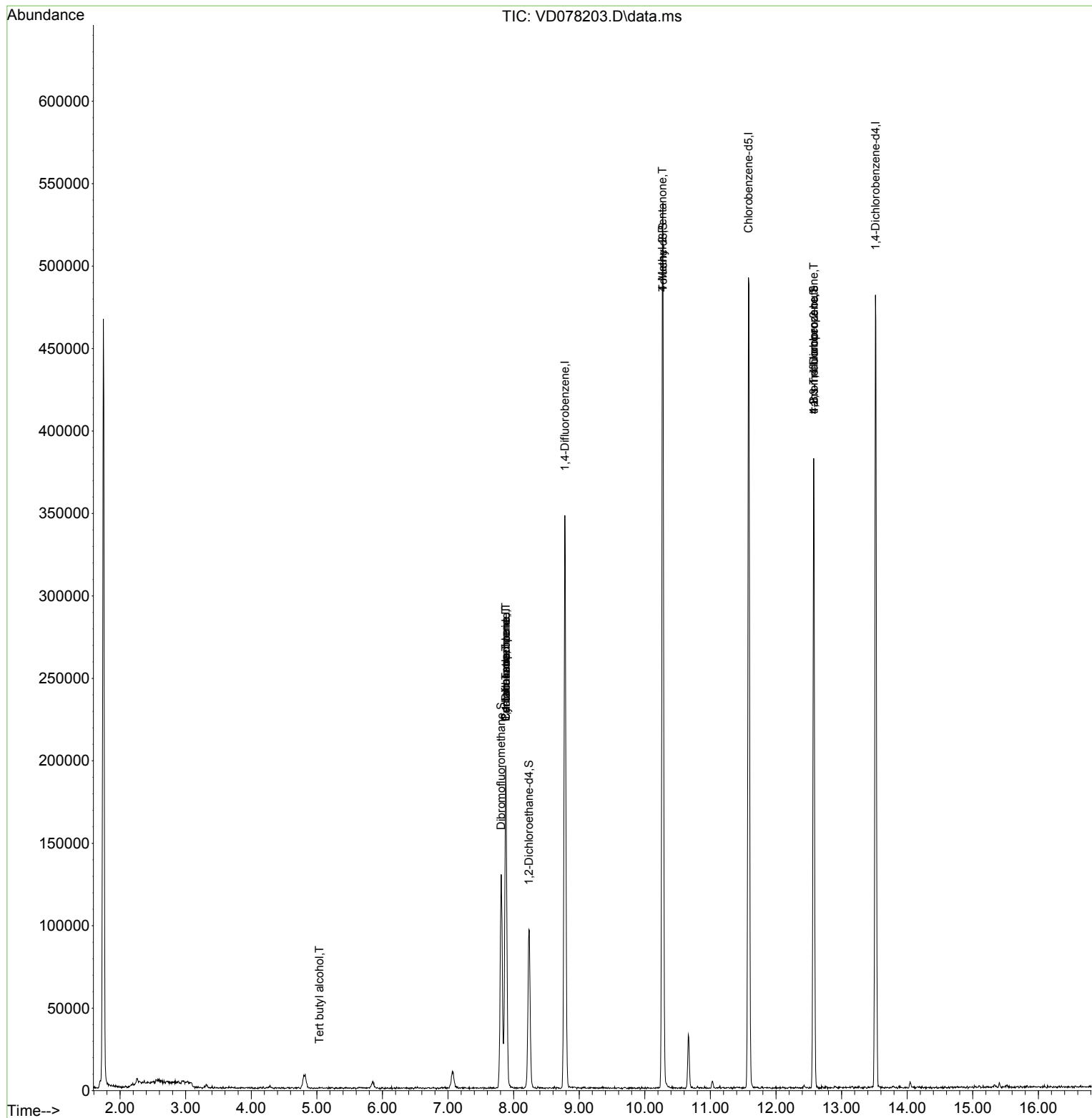
Internal Standards						
1) Pentafluorobenzene	7.881	168	142994	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	299200	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	291178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	124223	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	74222	45.468	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.940%
35) Dibromofluoromethane	7.810	113	92571	47.011	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.020%
50) Toluene-d8	10.275	98	377715	48.443	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.880%
62) 4-Bromofluorobenzene	12.575	95	111566	49.340	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	74	Below Cal	#	43
3) Chloromethane	2.158	50	79	Below Cal	#	41
11) Tert butyl alcohol	5.040	59	86	1.070	ug/l #	73
16) Acetone	4.034	43	405	Below Cal	#	32
20) Methylene Chloride	4.816	84	6465	Below Cal		93
25) 2-Butanone	7.087	43	392	Below Cal	#	37
31) Cyclohexane	7.881	56	3489	1.156	ug/l #	61
36) 1,1-Dichloropropene	7.881	75	12150	3.752	ug/l #	49
38) Carbon Tetrachloride	7.881	117	15524	4.854	ug/l #	17
51) 4-Methyl-2-Pentanone	10.269	43	1595	1.374	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	60826	51.052	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	60826	109.968	ug/l #	17

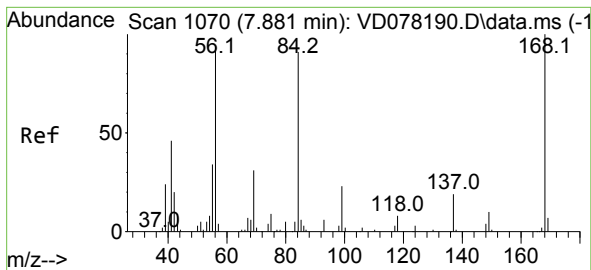
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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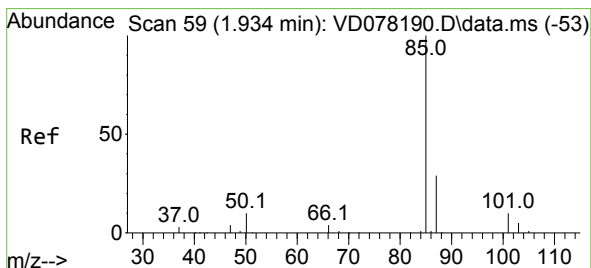
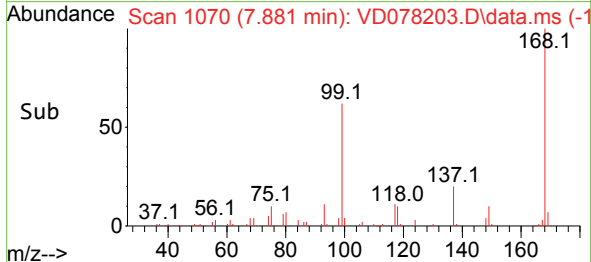
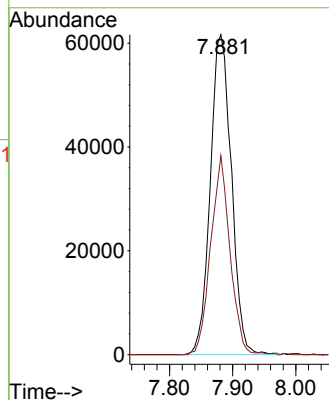
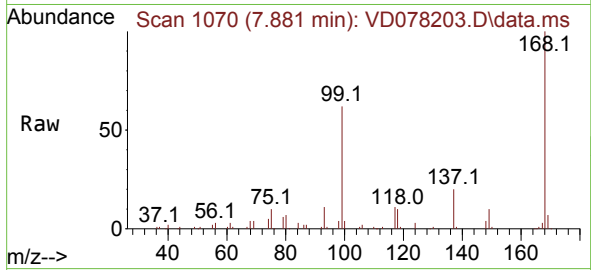




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD078203.D
Acq: 23 Jan 2024 11:17

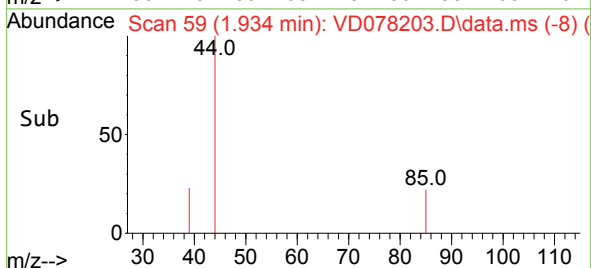
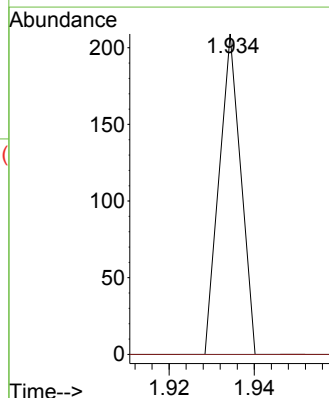
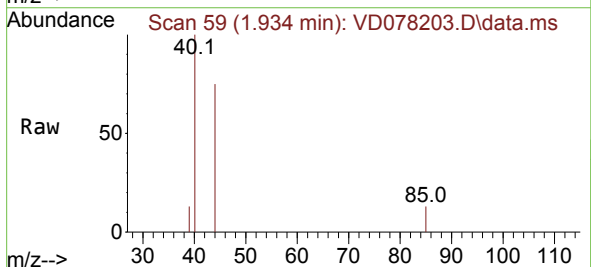
Instrument :
MSVOA_D
ClientSampleId :
VD0123SBL01

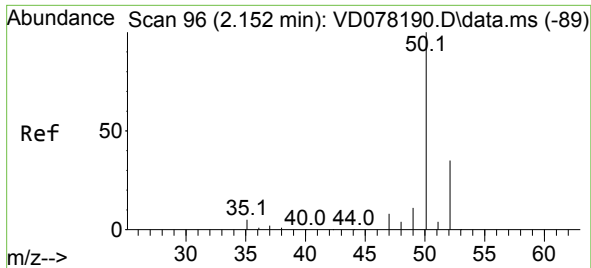
Tgt Ion:168 Resp: 142994
Ion Ratio Lower Upper
168 100
99 62.1 36.7 55.1#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD078203.D
Acq: 23 Jan 2024 11:17

Tgt Ion: 85 Resp: 74
Ion Ratio Lower Upper
85 100
87 0.0 15.7 47.0#

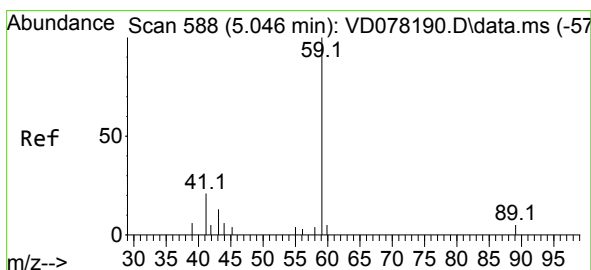
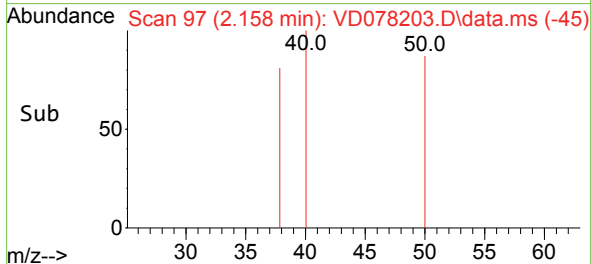
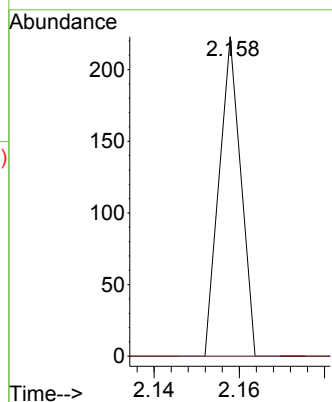
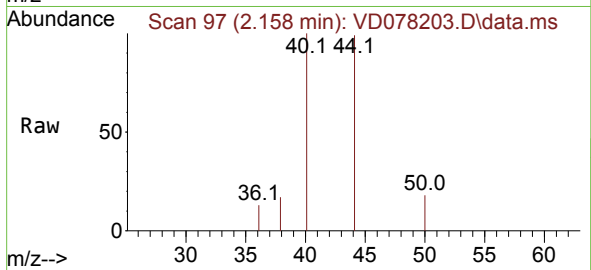




#3
Chloromethane
Concen: Below Cal
RT: 2.158 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD078203.D
Acq: 23 Jan 2024 11:17

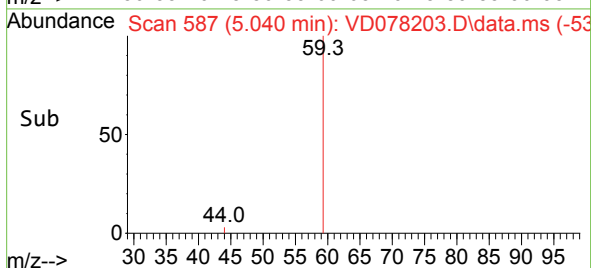
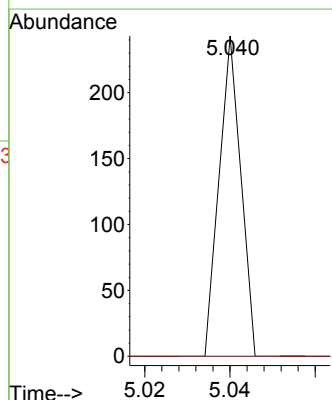
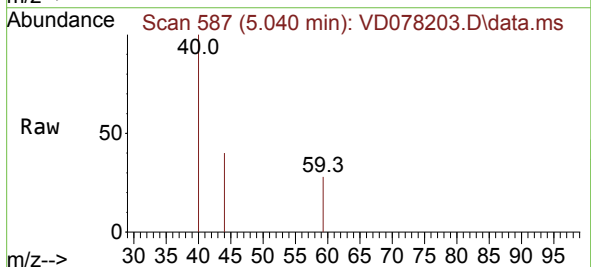
Instrument :
MSVOA_D
ClientSampleId :
VD0123SBL01

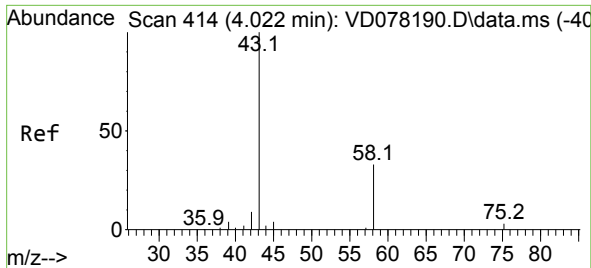
Tgt Ion: 50 Resp: 79
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#



#11
Tert butyl alcohol
Concen: 1.070 ug/l
RT: 5.040 min Scan# 587
Delta R.T. -0.006 min
Lab File: VD078203.D
Acq: 23 Jan 2024 11:17

Tgt Ion: 59 Resp: 86
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

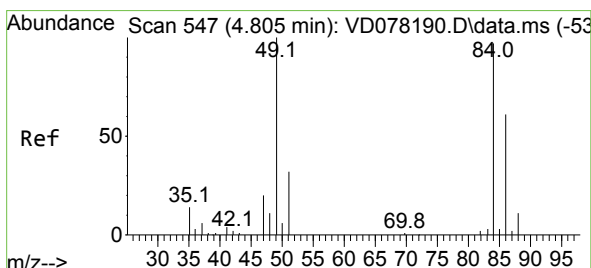
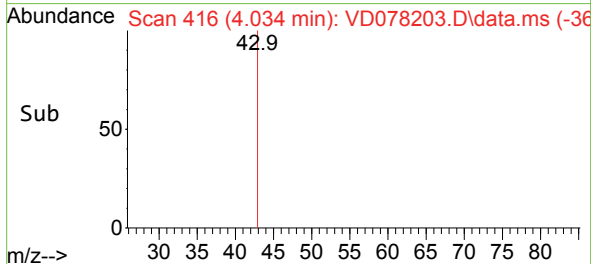
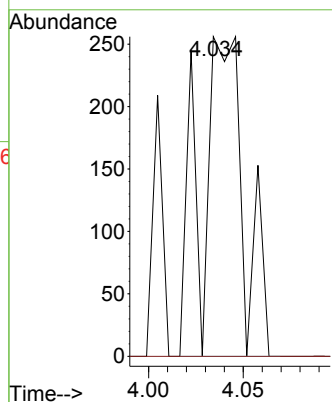
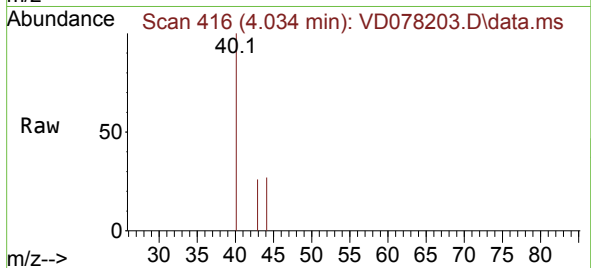




#16
Acetone
Concen: Below Cal
RT: 4.034 min Scan# 41
Delta R.T. 0.012 min
Lab File: VD078203.D
Acq: 23 Jan 2024 11:17

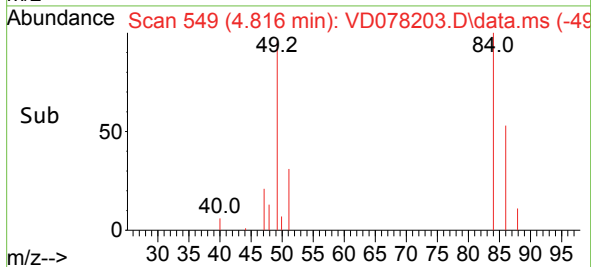
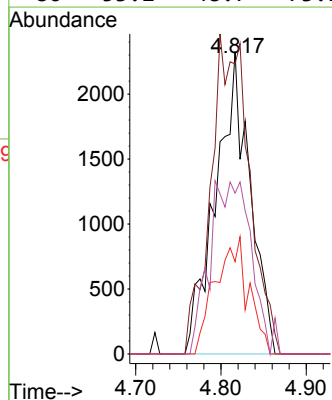
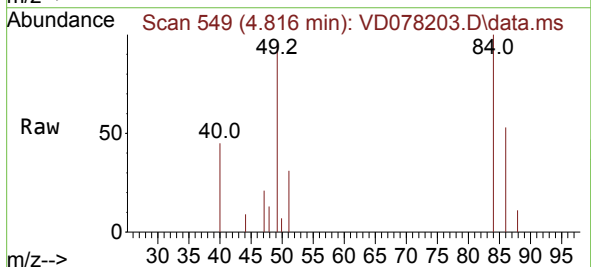
Instrument :
MSVOA_D
ClientSampleId :
VD0123SBL01

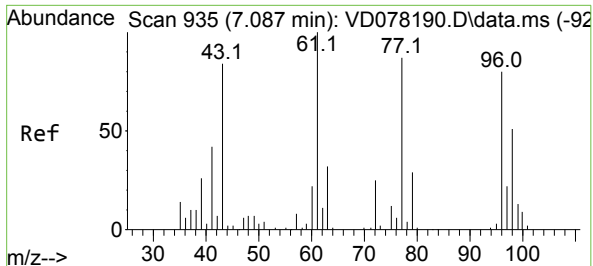
Tgt Ion: 43 Resp: 405
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.816 min Scan# 549
Delta R.T. 0.011 min
Lab File: VD078203.D
Acq: 23 Jan 2024 11:17

Tgt Ion: 84 Resp: 6465
Ion Ratio Lower Upper
84 100
49 95.9 71.4 107.2
51 30.6 24.5 36.7
86 53.2 48.7 73.1

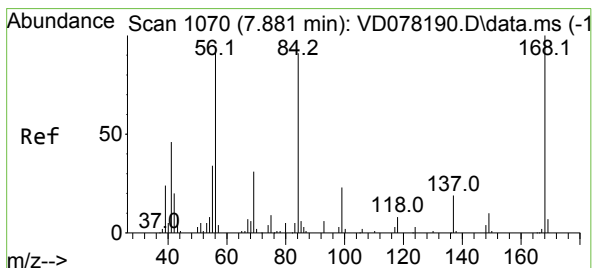
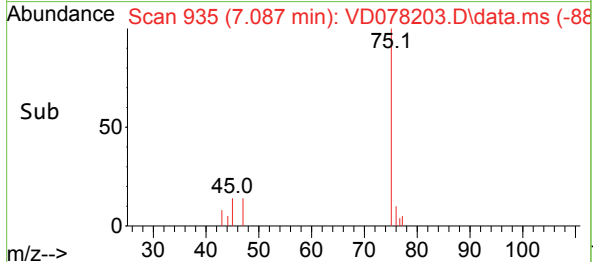
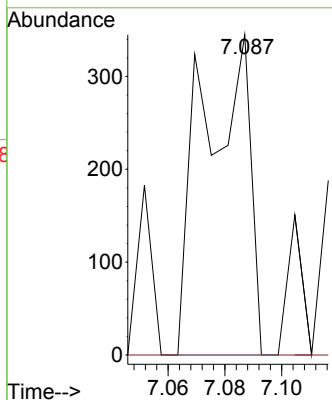
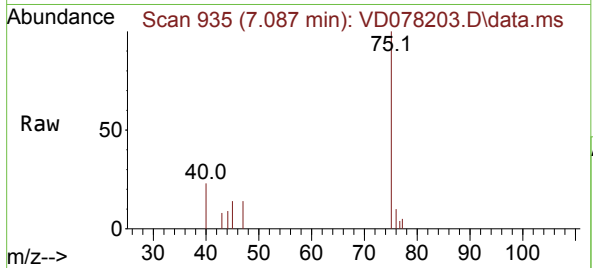




#25
2-Butanone
Concen: Below Cal
RT: 7.087 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD078203.D
Acq: 23 Jan 2024 11:17

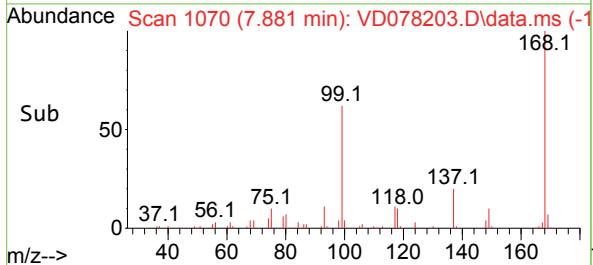
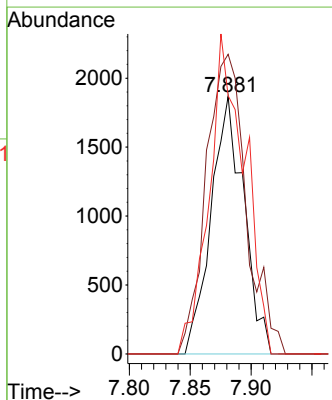
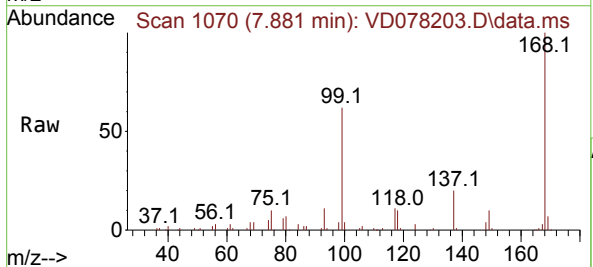
Instrument :
MSVOA_D
ClientSampleId :
VD0123SBL01

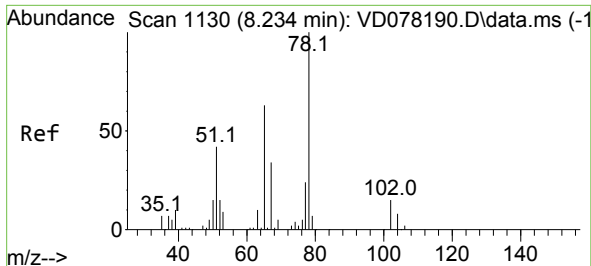
Tgt Ion: 43 Resp: 392
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD078203.D
Acq: 23 Jan 2024 11:17

Tgt Ion: 56 Resp: 3489
Ion Ratio Lower Upper
56 100
69 116.4 28.6 43.0#
84 100.3 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 45.468 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078203.D

Acq: 23 Jan 2024 11:17

Instrument :

MSVOA_D

ClientSampleId :

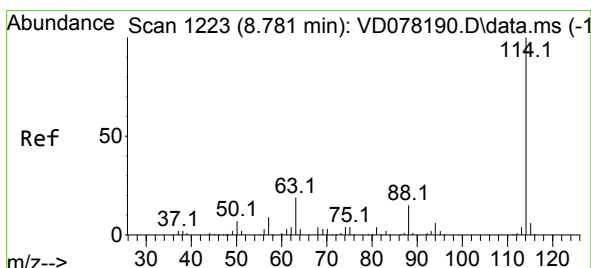
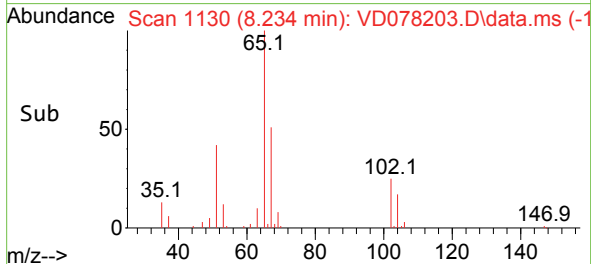
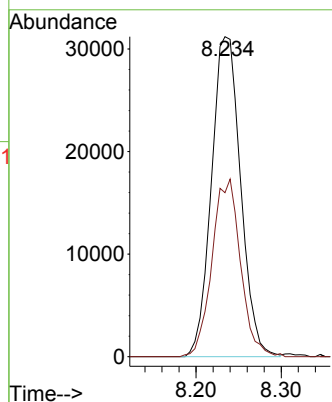
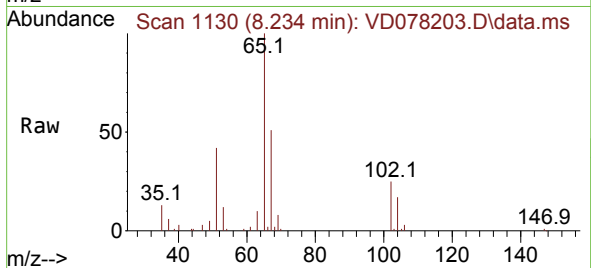
VD0123SBL01

Tgt Ion: 65 Resp: 74222

Ion Ratio Lower Upper

65 100

67 54.2 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.000 min

Lab File: VD078203.D

Acq: 23 Jan 2024 11:17

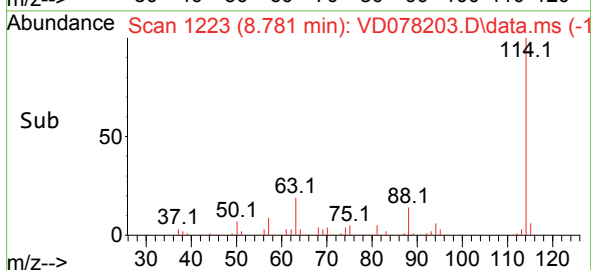
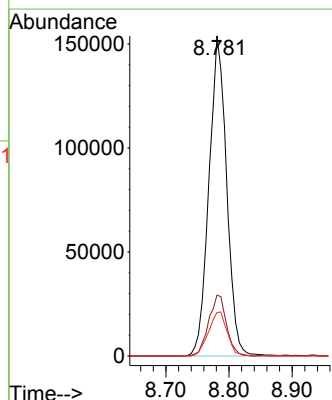
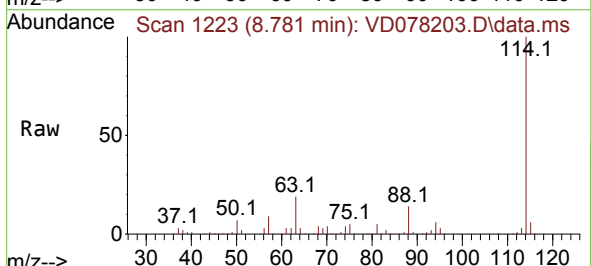
Tgt Ion: 114 Resp: 299200

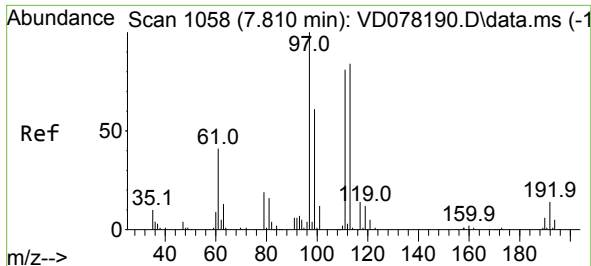
Ion Ratio Lower Upper

114 100

63 19.0 0.0 33.4

88 13.6 0.0 26.2

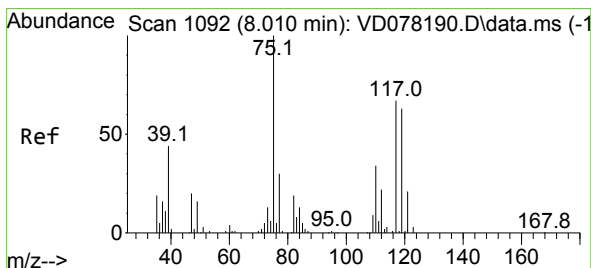
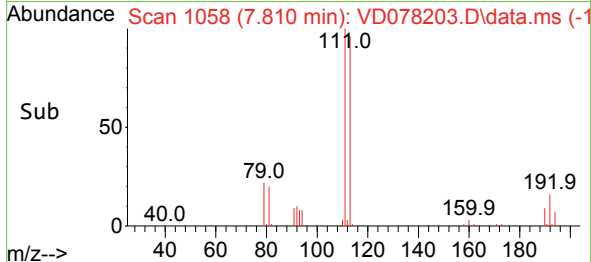
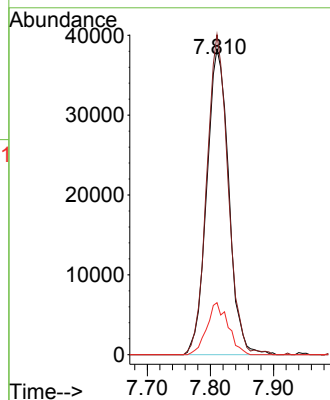
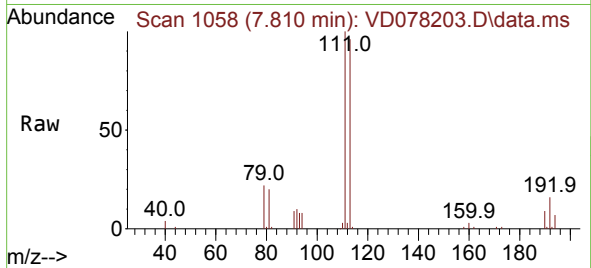




#35
Dibromofluoromethane
Concen: 47.011 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VD078203.D
Acq: 23 Jan 2024 11:17

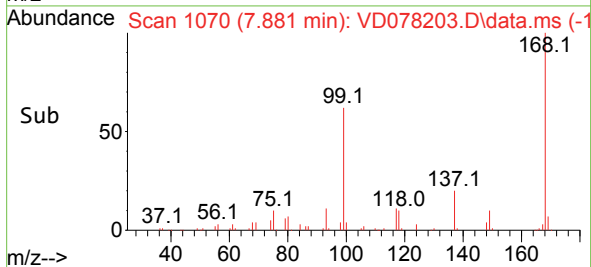
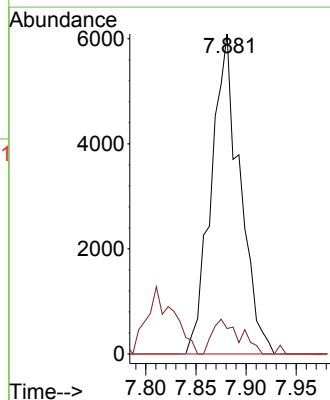
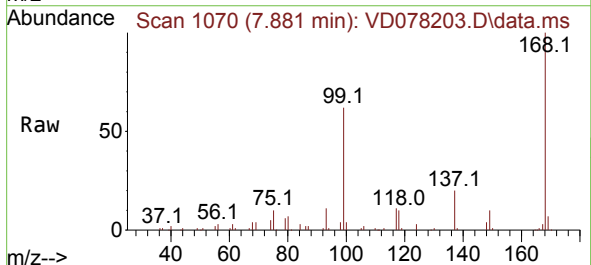
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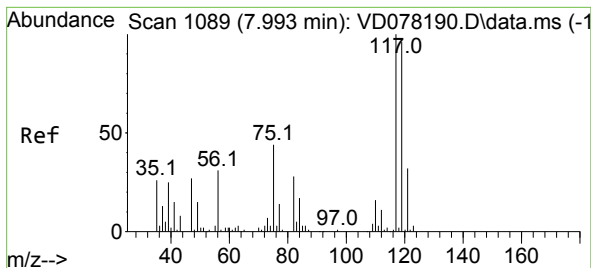
Tgt Ion:113 Resp: 92571
Ion Ratio Lower Upper
113 100
111 101.7 84.7 127.1
192 16.5 16.8 25.2#



#36
1,1-Dichloropropene
Concen: 3.752 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.129 min
Lab File: VD078203.D
Acq: 23 Jan 2024 11:17

Tgt Ion: 75 Resp: 12150
Ion Ratio Lower Upper
75 100
110 10.3 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.854 ug/l

RT: 7.881 min Scan# 1089

Delta R.T. -0.112 min

Lab File: VD078203.D

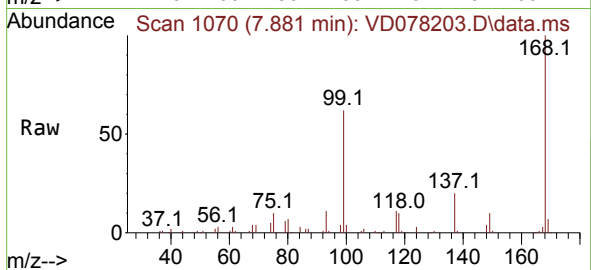
Acq: 23 Jan 2024 11:17

Instrument :

MSVOA_D

ClientSampleId :

VD0123SBL01



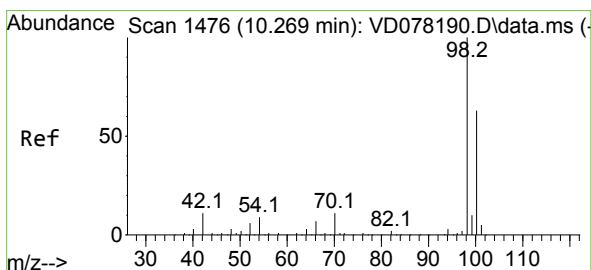
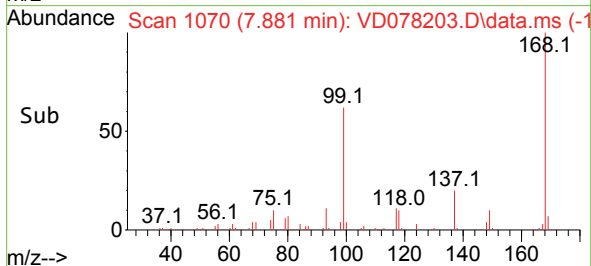
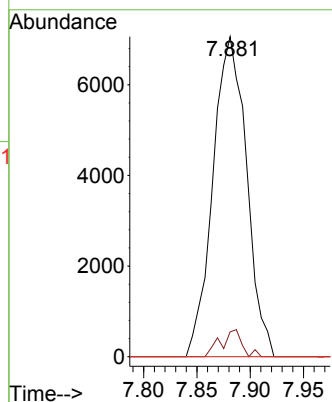
Tgt Ion:117 Resp: 15524

Ion Ratio Lower Upper

117 100

119 7.8 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 48.443 ug/l

RT: 10.275 min Scan# 1477

Delta R.T. 0.006 min

Lab File: VD078203.D

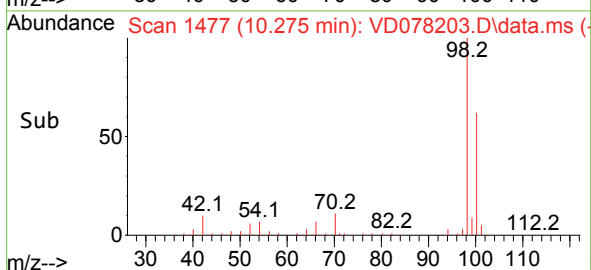
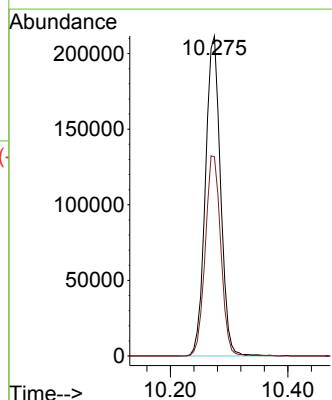
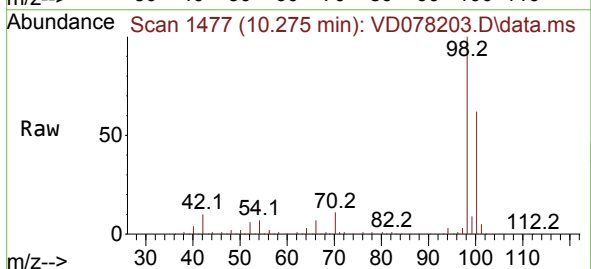
Acq: 23 Jan 2024 11:17

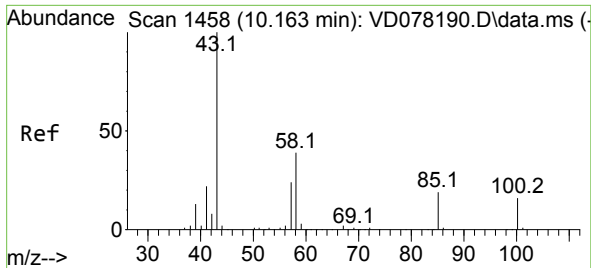
Tgt Ion: 98 Resp: 377715

Ion Ratio Lower Upper

98 100

100 64.2 50.3 75.5

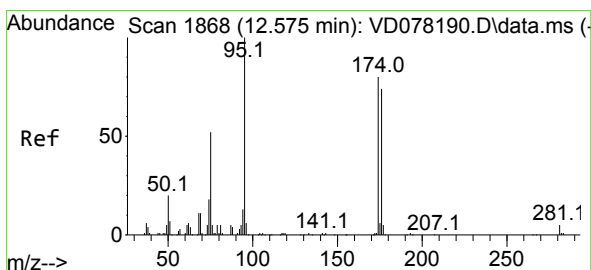
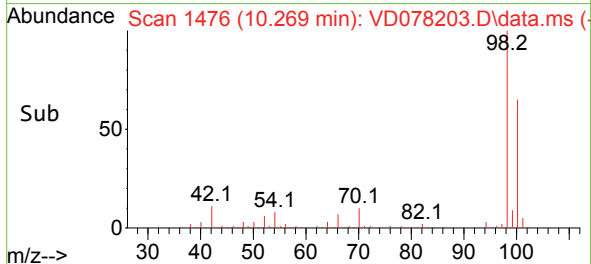
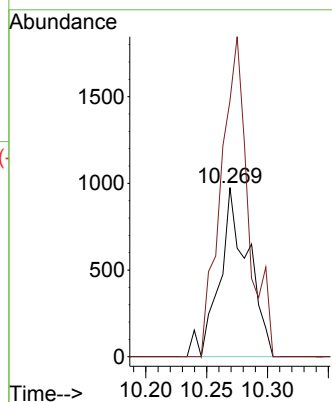
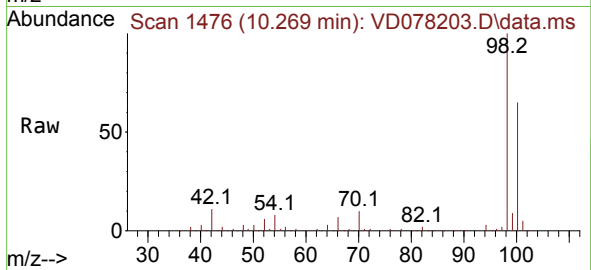




#51
4-Methyl-2-Pentanone
Concen: 1.374 ug/l
RT: 10.269 min Scan# 1458
Delta R.T. 0.106 min
Lab File: VD078203.D
Acq: 23 Jan 2024 11:17

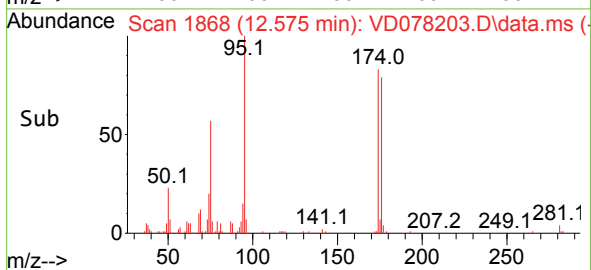
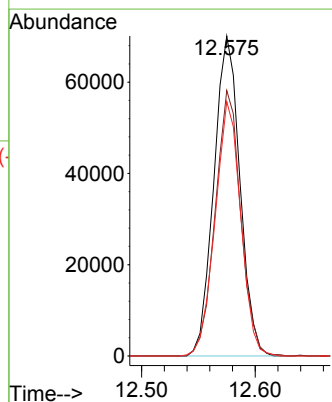
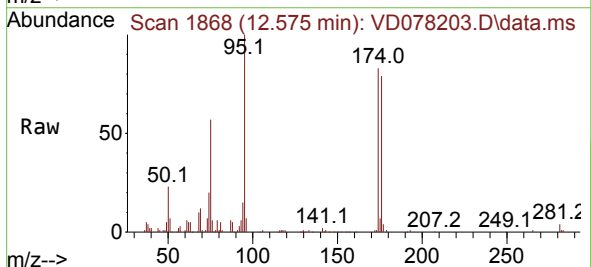
Instrument :
MSVOA_D
ClientSampleId :
VD0123SBL01

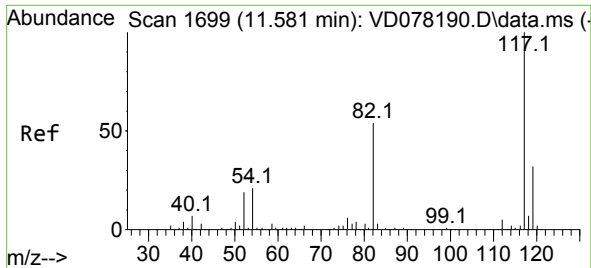
Tgt Ion: 43 Resp: 1595
Ion Ratio Lower Upper
43 100
58 180.5 38.9 58.3#



#62
4-Bromofluorobenzene
Concen: 49.340 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078203.D
Acq: 23 Jan 2024 11:17

Tgt Ion: 95 Resp: 111566
Ion Ratio Lower Upper
95 100
174 81.4 0.0 201.8
176 78.2 0.0 191.8

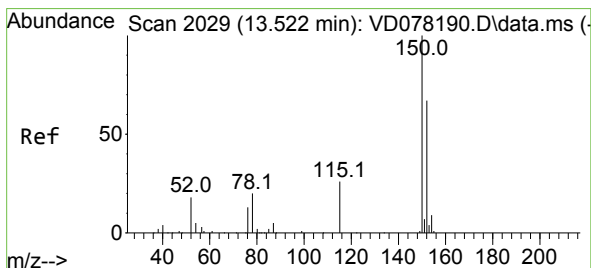
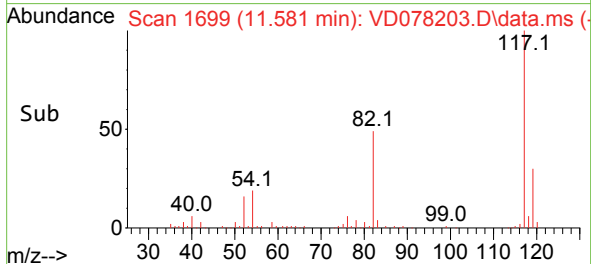
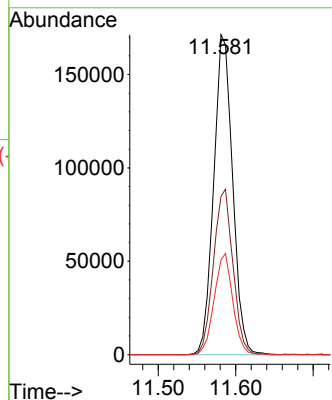
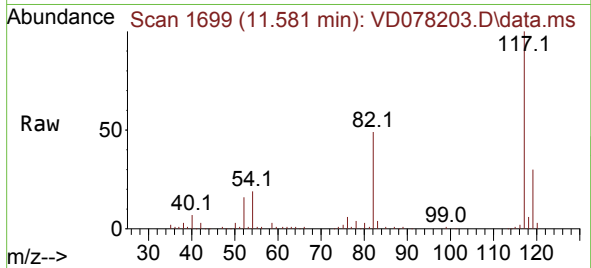




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078203.D
Acq: 23 Jan 2024 11:17

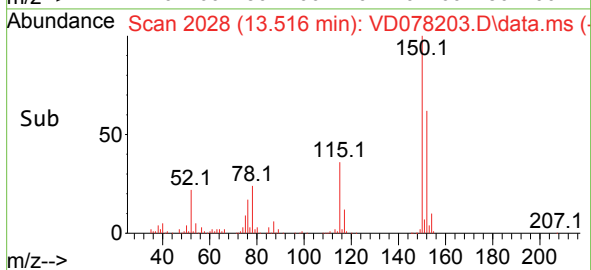
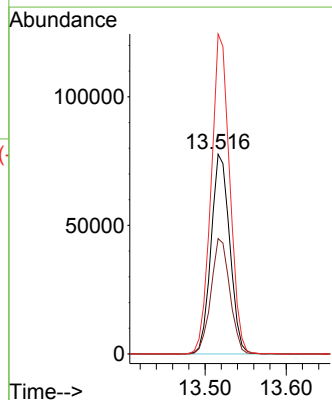
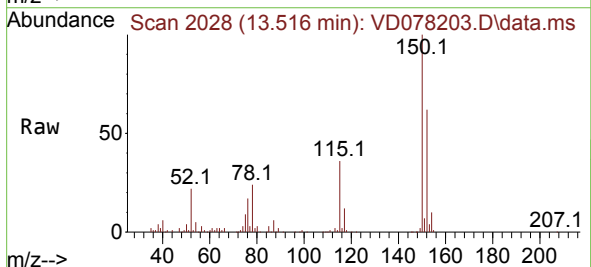
Instrument :
MSVOA_D
ClientSampleId :
VD0123SBL01

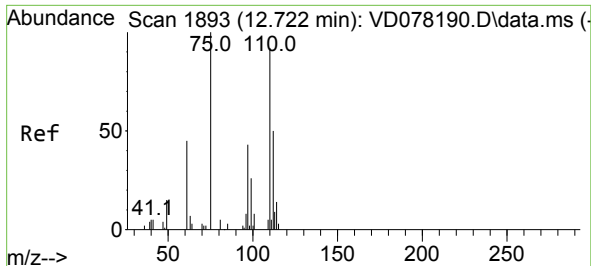
Tgt Ion:117 Resp: 291178
Ion Ratio Lower Upper
117 100
82 49.4 38.3 57.5
119 29.7 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD078203.D
Acq: 23 Jan 2024 11:17

Tgt Ion:152 Resp: 124223
Ion Ratio Lower Upper
152 100
115 58.1 27.1 81.3
150 159.3 0.0 353.6

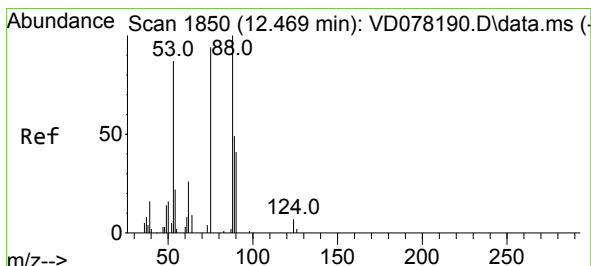
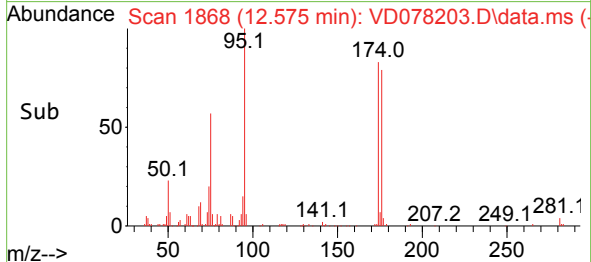
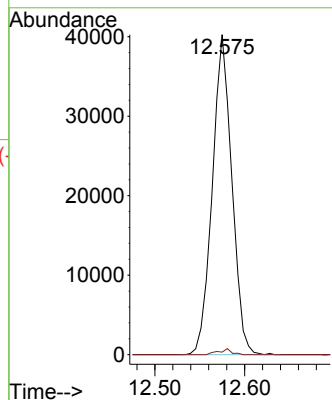
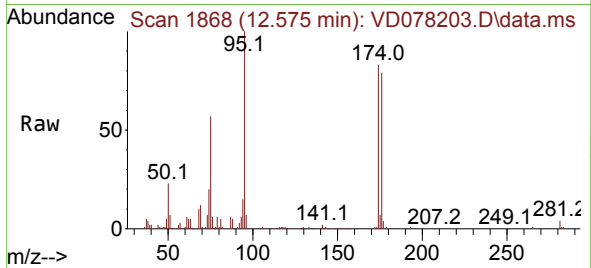




#76
1,2,3-Trichloropropane
Concen: 51.052 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078203.D
Acq: 23 Jan 2024 11:17

Instrument :
MSVOA_D
ClientSampleId :
VD0123SBL01

Tgt Ion: 75 Resp: 60826
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.968 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078203.D
Acq: 23 Jan 2024 11:17

Tgt Ion: 75 Resp: 60826
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.2 37.9 56.9#

