

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012424\
 Data File : VD078226.D
 Acq On : 24 Jan 2024 16:38
 Operator : RP/MD
 Sample : P1237-02
 Misc : 5.24G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-19.5-20.0

Quant Time: Jan 25 00:28:26 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)

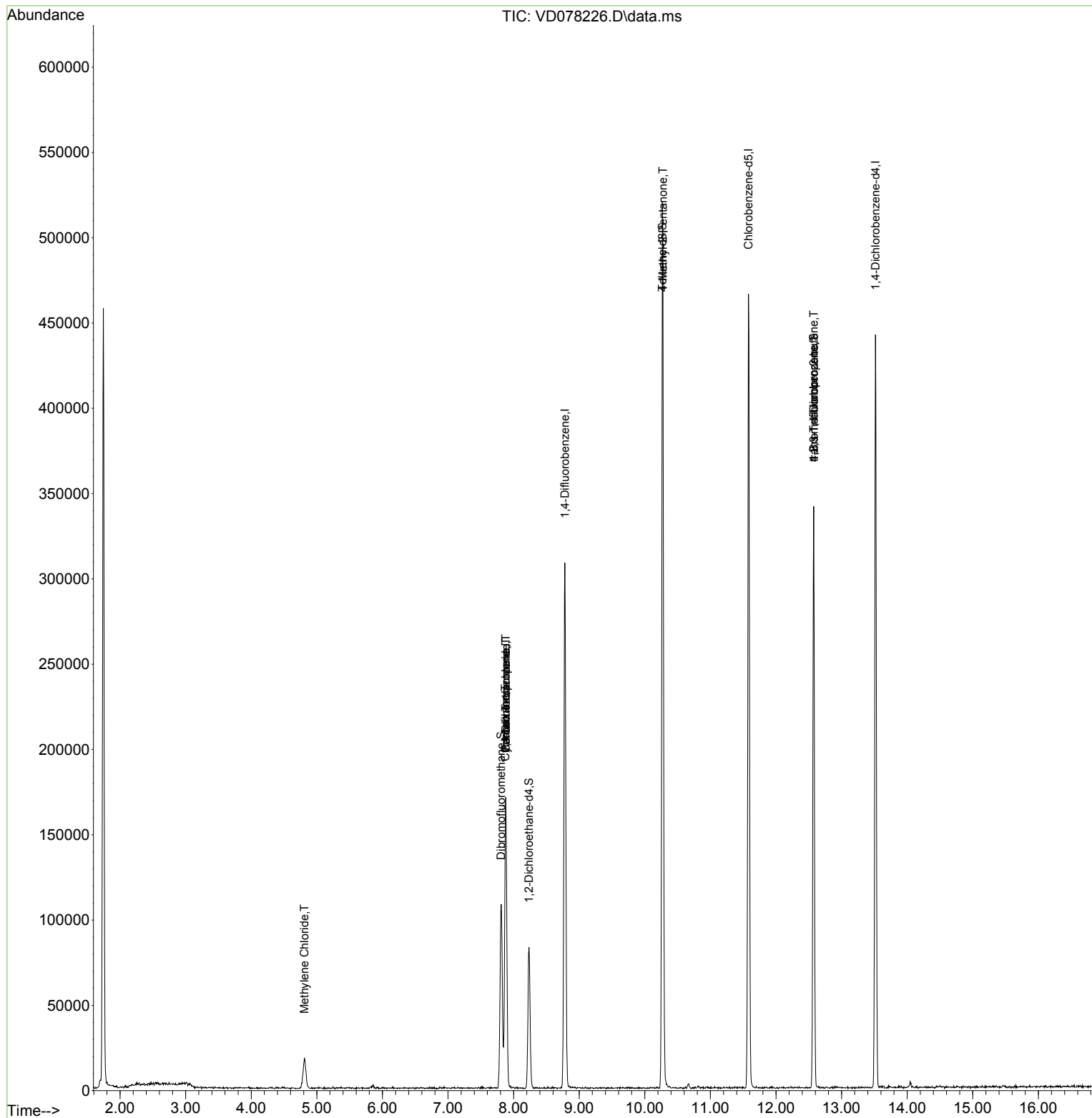
Internal Standards						
1) Pentafluorobenzene	7.881	168	124978	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	270353	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	270070	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	113605	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	62940	44.114	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.220%		
35) Dibromofluoromethane	7.811	113	81268	45.674	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.340%		
50) Toluene-d8	10.269	98	353542	50.181	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.360%		
62) 4-Bromofluorobenzene	12.575	95	105655	51.712	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	103.420%		
Target Compounds						
3) Chloromethane	2.240	50	82	Below Cal	#	41
16) Acetone	4.022	43	65	Below Cal	#	32
20) Methylene Chloride	4.811	84	13404	3.660	ug/l	96
25) 2-Butanone	6.875	43	61	Below Cal	#	37
31) Cyclohexane	7.875	56	3103	1.176	ug/l	# 1
36) 1,1-Dichloropropene	7.881	75	11552	3.948	ug/l	# 48
38) Carbon Tetrachloride	7.881	117	13228	4.578	ug/l	# 16
51) 4-Methyl-2-Pentanone	10.275	43	1179	1.124	ug/l	# 1
76) 1,2,3-Trichloropropane	12.575	75	56536	51.886	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	56536	111.765	ug/l	# 17

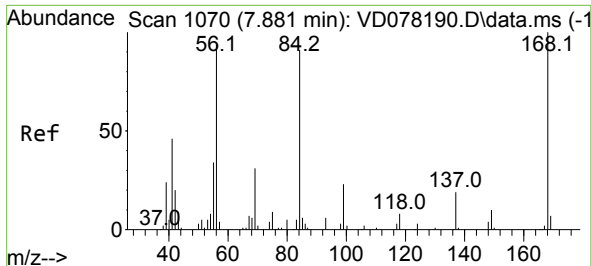
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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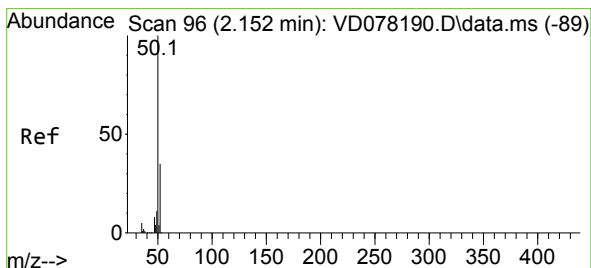
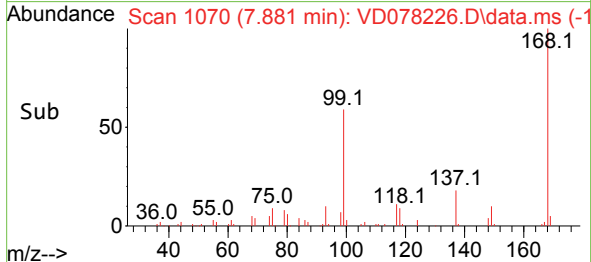
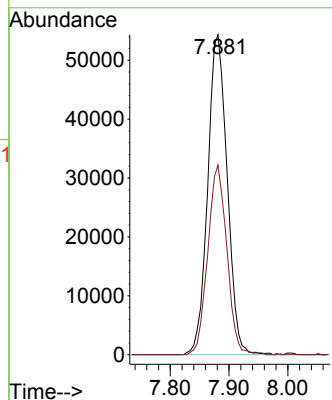
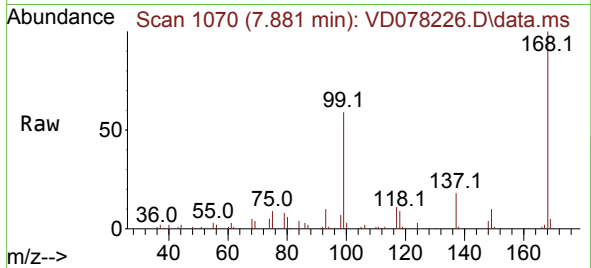




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 110
Delta R.T. 0.000 min
Lab File: VD078226.D
Acq: 24 Jan 2024 16:38

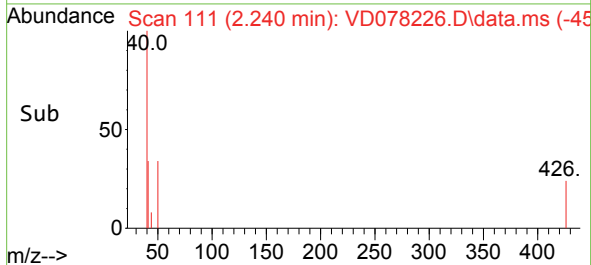
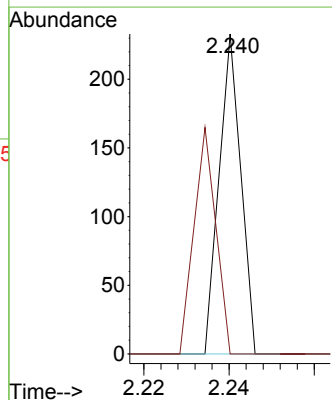
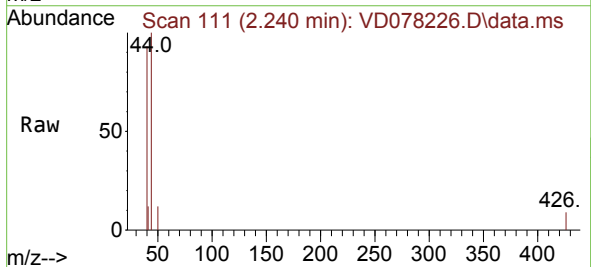
Instrument :
MSVOA_D
ClientSampleId :
SB-2-19.5-20.0

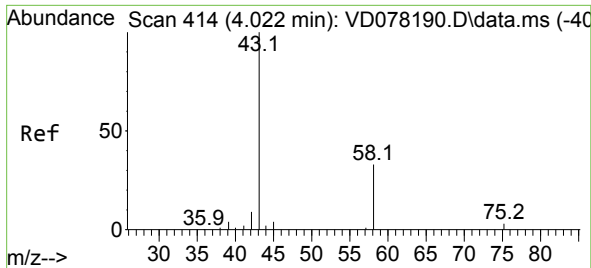
Tgt Ion:168 Resp: 124978
Ion Ratio Lower Upper
168 100
99 59.3 36.7 55.1#



#3
Chloromethane
Concen: Below Cal
RT: 2.240 min Scan# 111
Delta R.T. 0.088 min
Lab File: VD078226.D
Acq: 24 Jan 2024 16:38

Tgt Ion: 50 Resp: 82
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

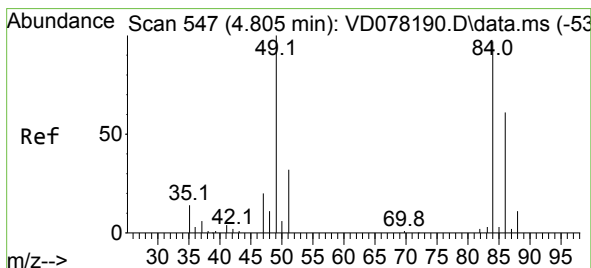
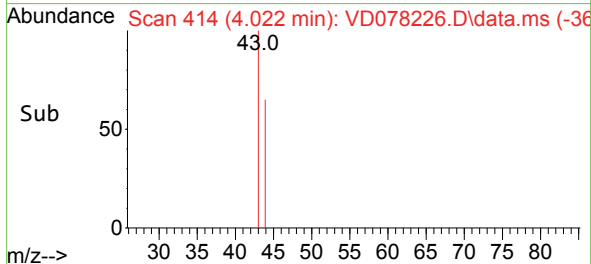
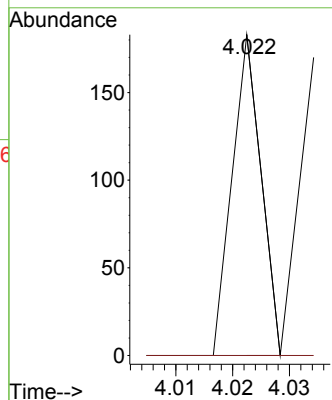
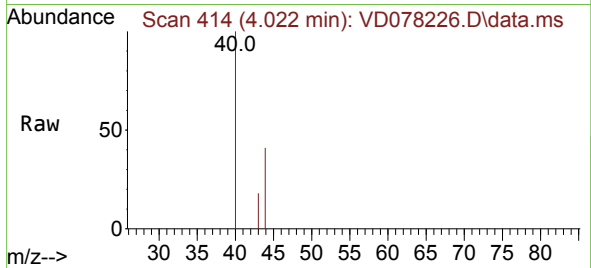




#16
Acetone
Concen: Below Cal
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD078226.D
Acq: 24 Jan 2024 16:38

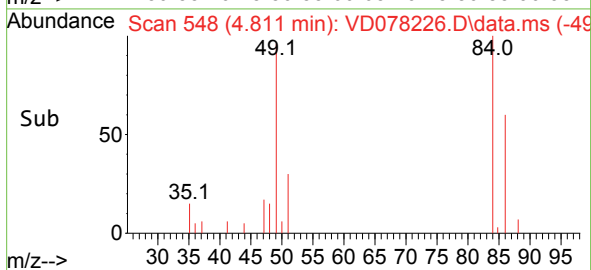
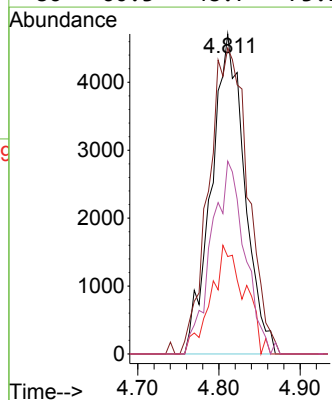
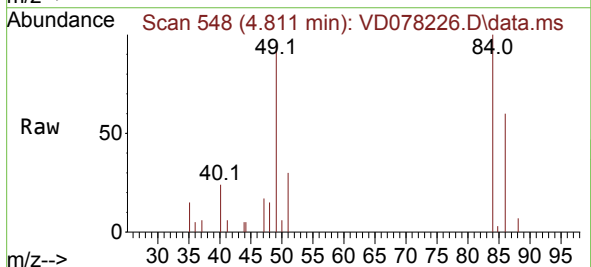
Instrument :
MSVOA_D
ClientSampleId :
SB-2-19.5-20.0

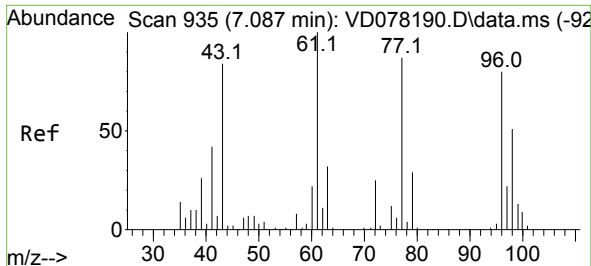
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: 3.660 ug/l
RT: 4.811 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD078226.D
Acq: 24 Jan 2024 16:38

Tgt Ion: 84 Resp: 13404
Ion Ratio Lower Upper
84 100
49 95.6 71.4 107.2
51 30.5 24.5 36.7
86 60.3 48.7 73.1

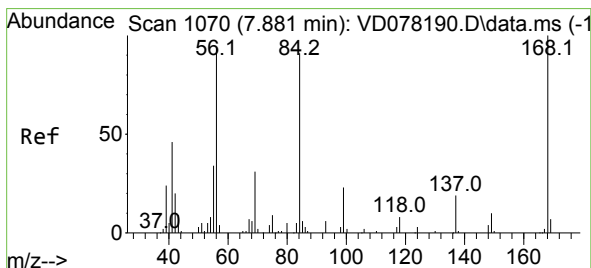
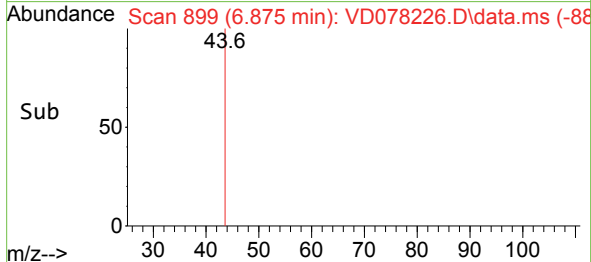
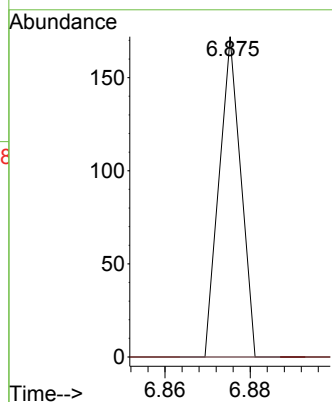
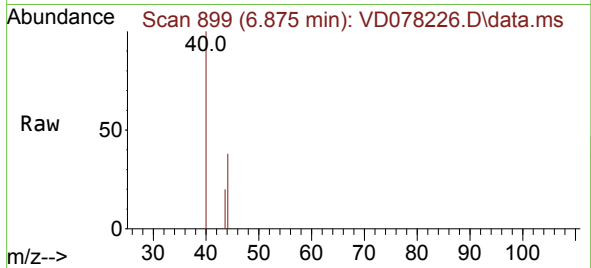




#25
2-Butanone
Concen: Below Cal
RT: 6.875 min Scan# 899
Delta R.T. -0.212 min
Lab File: VD078226.D
Acq: 24 Jan 2024 16:38

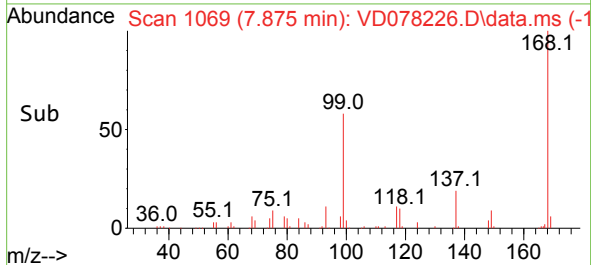
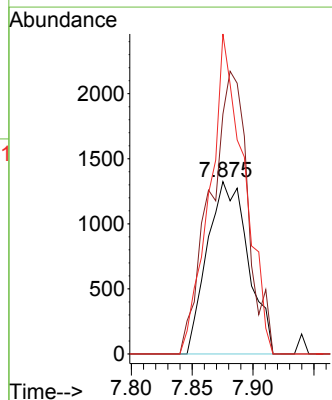
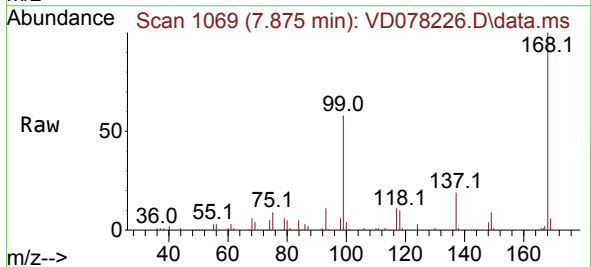
Instrument :
MSVOA_D
ClientSampleId :
SB-2-19.5-20.0

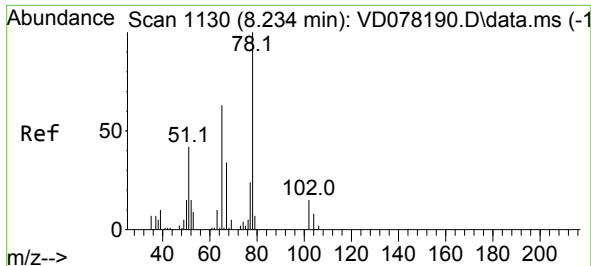
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.176 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078226.D
Acq: 24 Jan 2024 16:38

Tgt Ion: 56 Resp: 3103
Ion Ratio Lower Upper
56 100
69 139.2 28.6 43.0#
84 185.7 84.8 127.2#

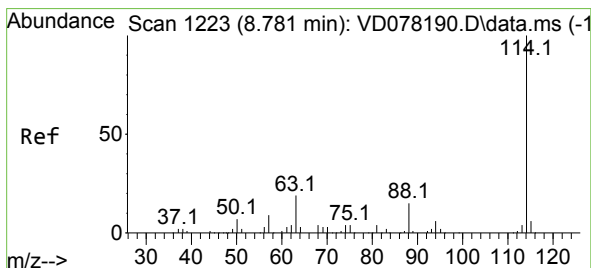
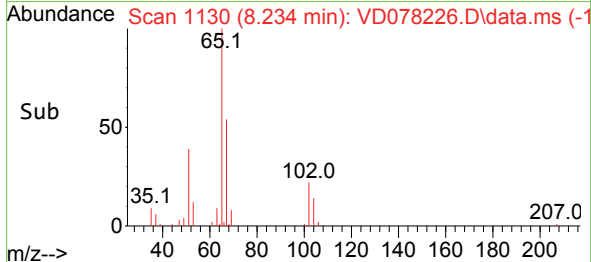
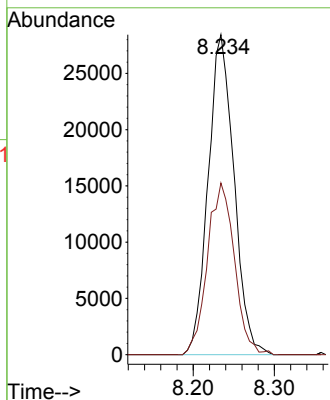
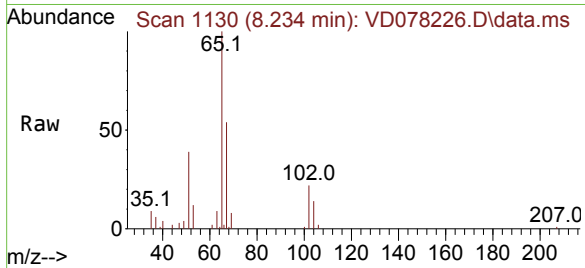




#33
 1,2-Dichloroethane-d4
 Concen: 44.114 ug/l
 RT: 8.234 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VD078226.D
 Acq: 24 Jan 2024 16:38

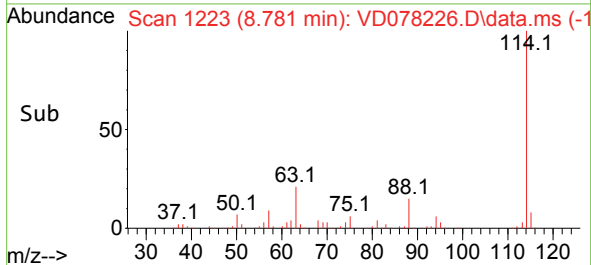
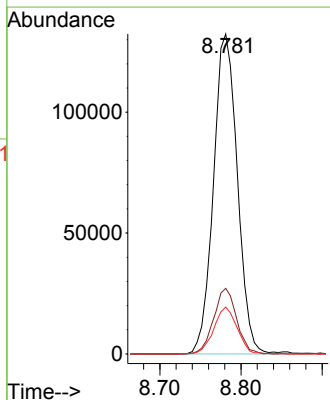
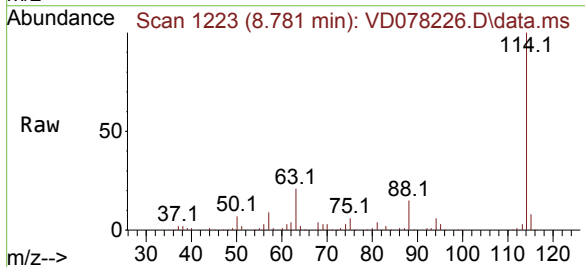
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-19.5-20.0

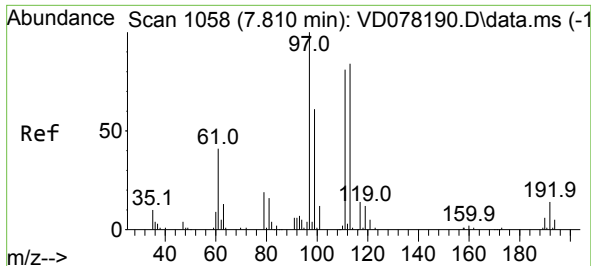
Tgt Ion: 65 Resp: 62940
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 115.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. 0.000 min
 Lab File: VD078226.D
 Acq: 24 Jan 2024 16:38

Tgt Ion:114 Resp: 270353
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 33.4
 88 14.6 0.0 26.2





#35

Dibromofluoromethane

Concen: 45.674 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD078226.D

Acq: 24 Jan 2024 16:38

Instrument :

MSVOA_D

ClientSampleId :

SB-2-19.5-20.0

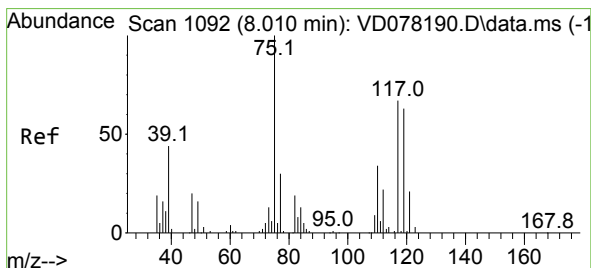
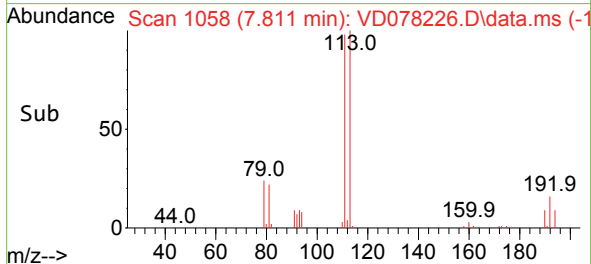
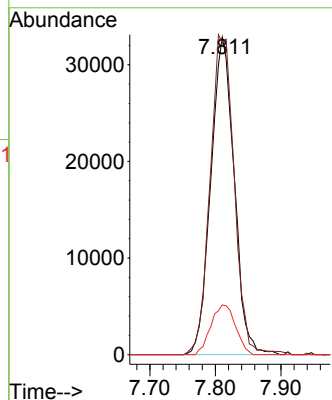
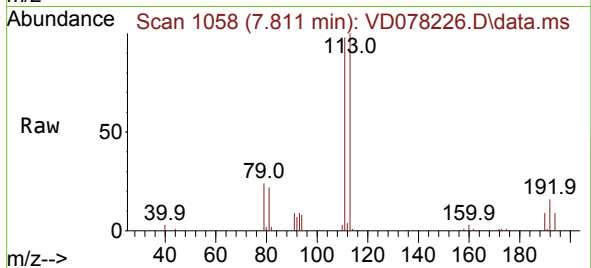
Tgt Ion:113 Resp: 81268

Ion Ratio Lower Upper

113 100

111 103.7 84.7 127.1

192 16.5 16.8 25.2#



#36

1,1-Dichloropropene

Concen: 3.948 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD078226.D

Acq: 24 Jan 2024 16:38

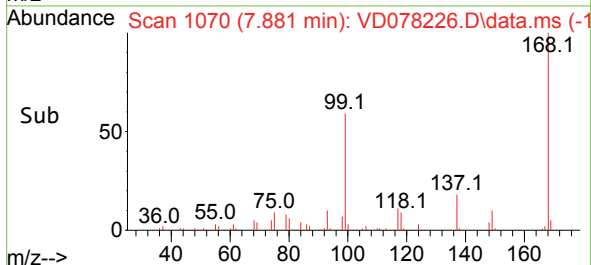
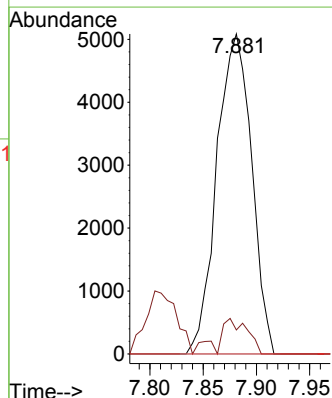
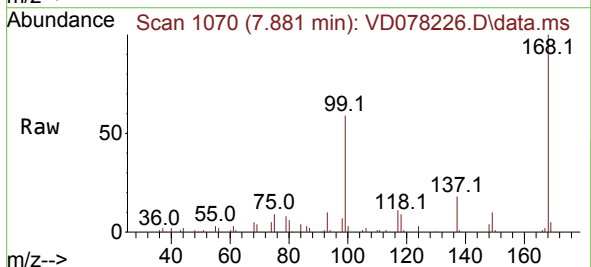
Tgt Ion: 75 Resp: 11552

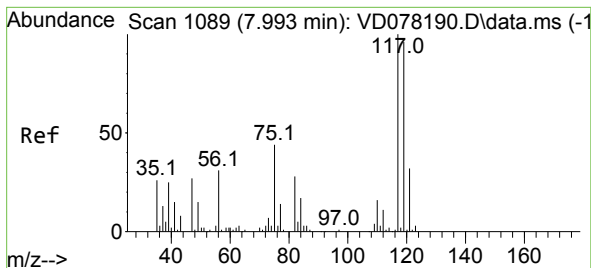
Ion Ratio Lower Upper

75 100

110 9.4 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.578 ug/l

RT: 7.881 min Scan# 10

Delta R.T. -0.112 min

Lab File: VD078226.D

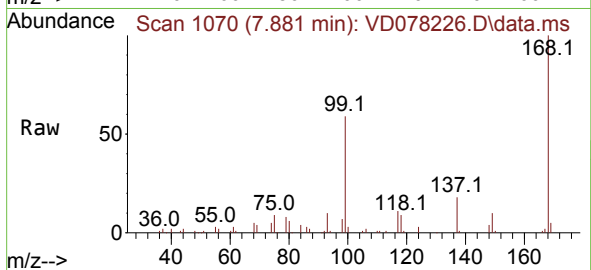
Acq: 24 Jan 2024 16:38

Instrument :

MSVOA_D

ClientSampleId :

SB-2-19.5-20.0



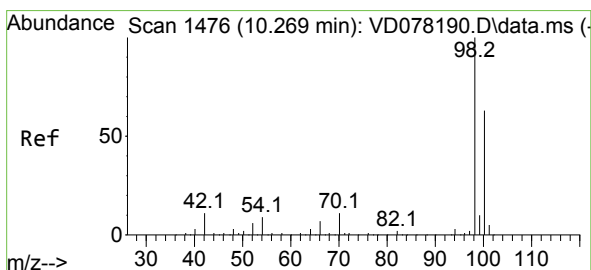
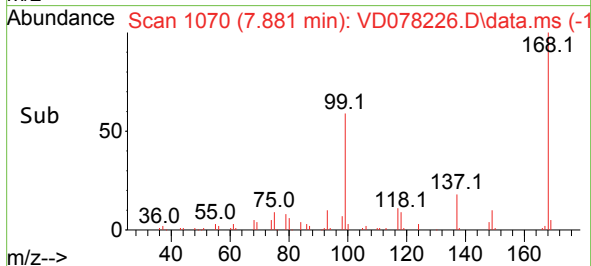
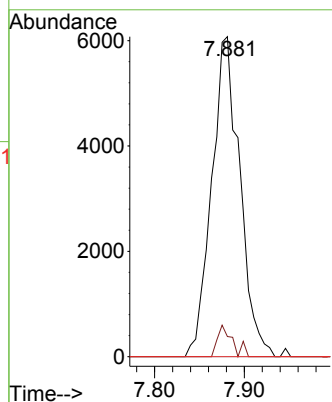
Tgt Ion:117 Resp: 13228

Ion Ratio Lower Upper

117 100

119 6.3 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 50.181 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078226.D

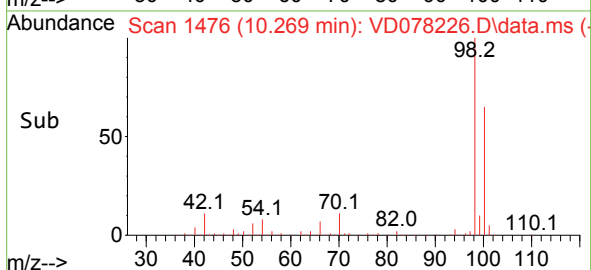
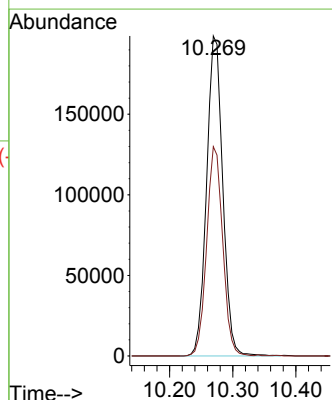
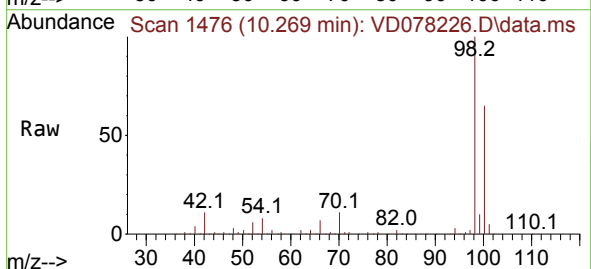
Acq: 24 Jan 2024 16:38

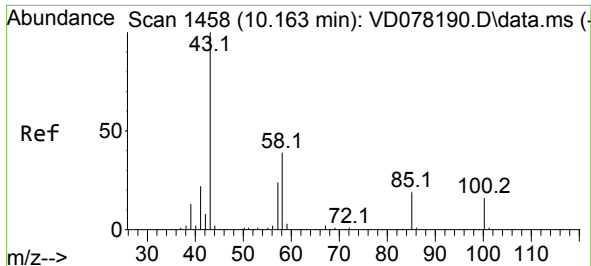
Tgt Ion: 98 Resp: 353542

Ion Ratio Lower Upper

98 100

100 64.8 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 1.124 ug/l

RT: 10.275 min Scan# 1458

Delta R.T. 0.112 min

Lab File: VD078226.D

Acq: 24 Jan 2024 16:38

Instrument :

MSVOA_D

ClientSampleId :

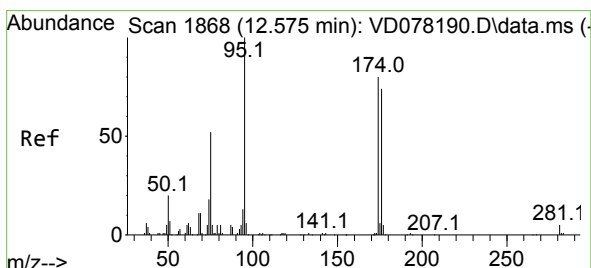
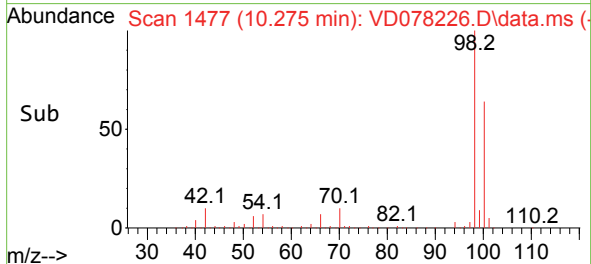
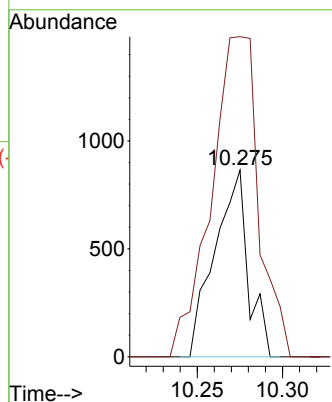
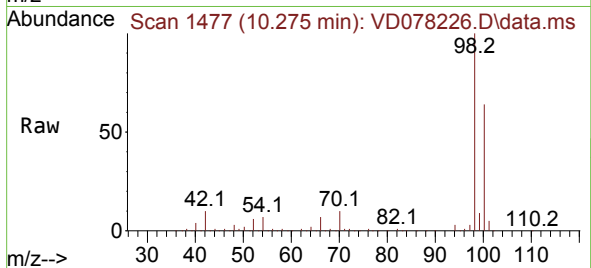
SB-2-19.5-20.0

Tgt Ion: 43 Resp: 1179

Ion Ratio Lower Upper

43 100

58 243.6 38.9 58.3#



#62

4-Bromofluorobenzene

Concen: 51.712 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD078226.D

Acq: 24 Jan 2024 16:38

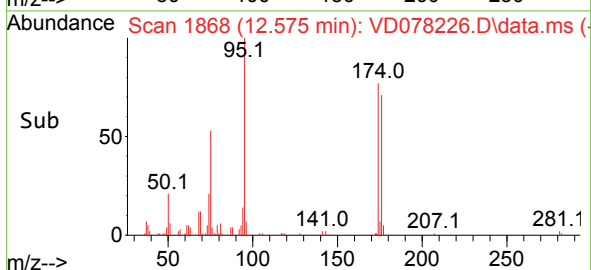
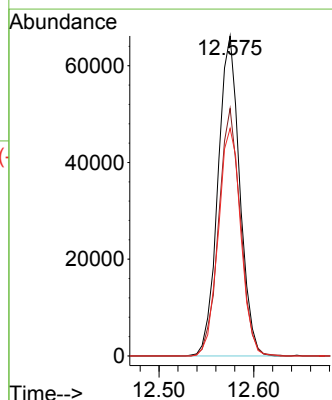
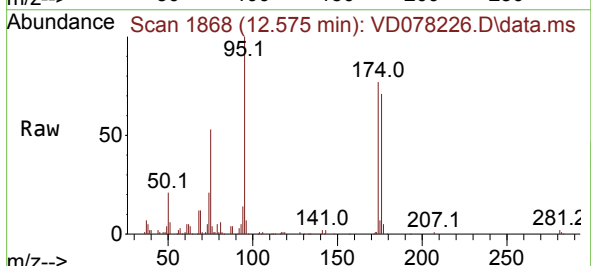
Tgt Ion: 95 Resp: 105655

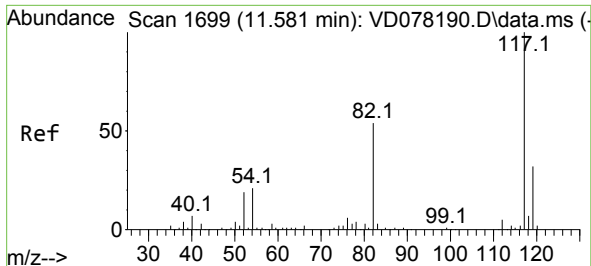
Ion Ratio Lower Upper

95 100

174 77.2 0.0 201.8

176 73.5 0.0 191.8

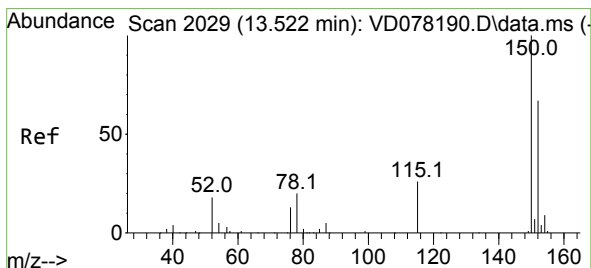
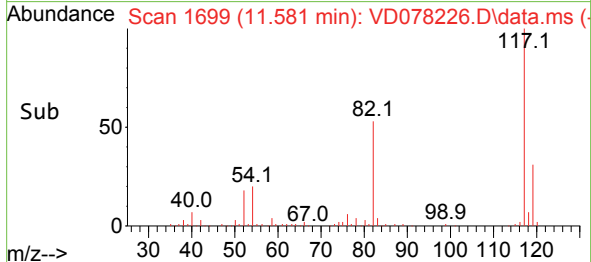
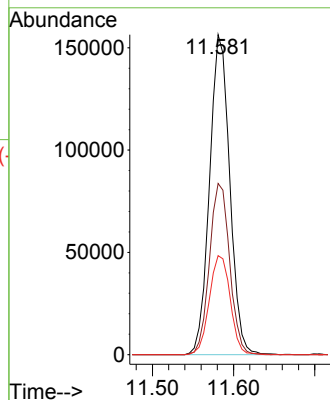
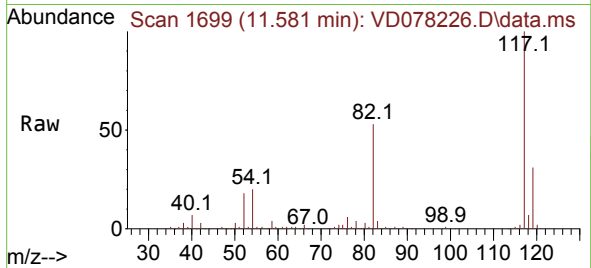




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078226.D
Acq: 24 Jan 2024 16:38

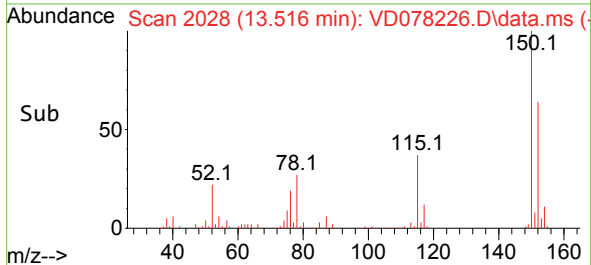
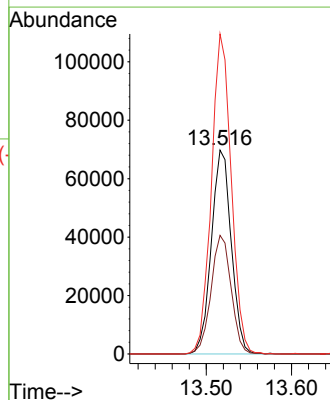
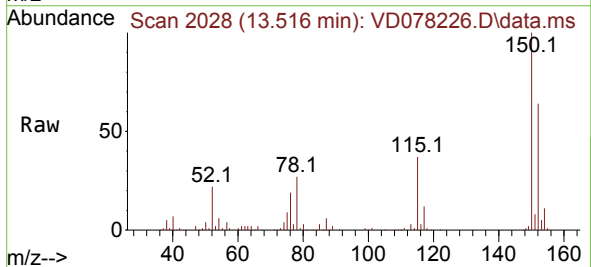
Instrument :
MSVOA_D
ClientSampleId :
SB-2-19.5-20.0

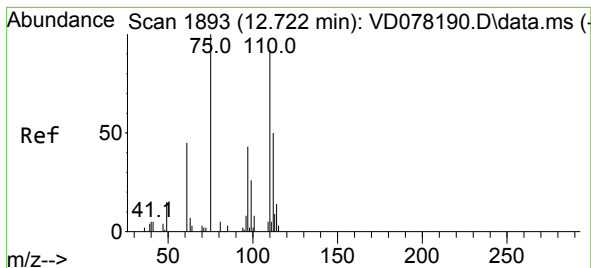
Tgt Ion:117 Resp: 270070
Ion Ratio Lower Upper
117 100
82 53.5 38.3 57.5
119 31.0 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD078226.D
Acq: 24 Jan 2024 16:38

Tgt Ion:152 Resp: 113605
Ion Ratio Lower Upper
152 100
115 58.7 27.1 81.3
150 156.2 0.0 353.6





#76

1,2,3-Trichloropropane

Concen: 51.886 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078226.D

Acq: 24 Jan 2024 16:38

Instrument :

MSVOA_D

ClientSampleId :

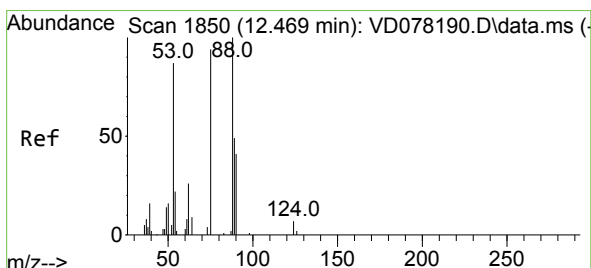
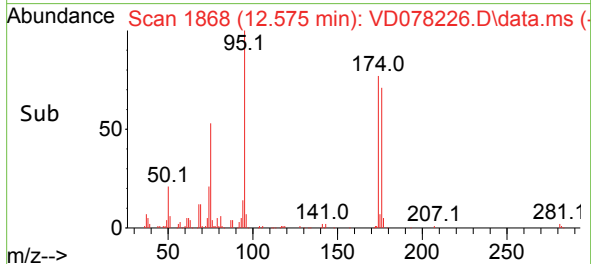
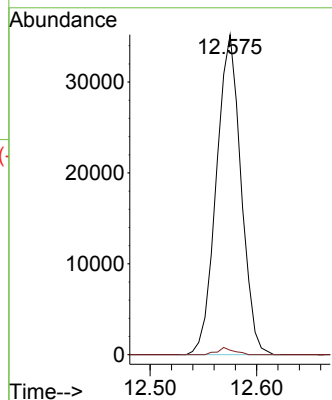
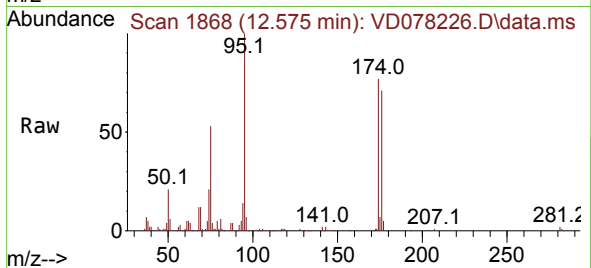
SB-2-19.5-20.0

Tgt Ion: 75 Resp: 56536

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 111.765 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.106 min

Lab File: VD078226.D

Acq: 24 Jan 2024 16:38

Tgt Ion: 75 Resp: 56536

Ion Ratio Lower Upper

75 100

53 0.0 63.0 94.4#

89 0.0 37.9 56.9#

