

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021424\
 Data File : VD078419.D
 Acq On : 14 Feb 2024 17:30
 Operator : RP/MD
 Sample : P1464-02
 Misc : 4.04G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 15 03:42:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

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

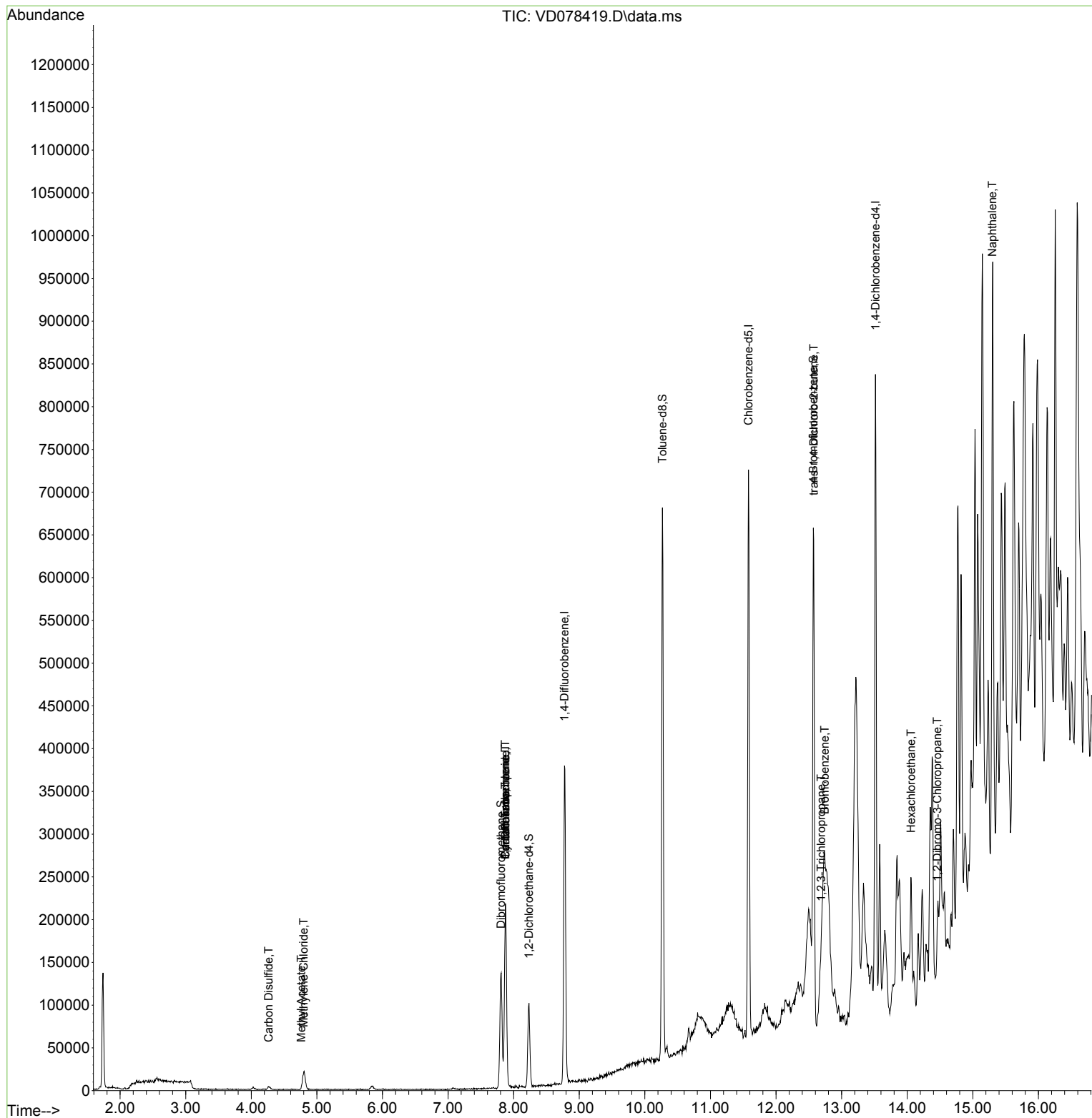
Internal Standards						
1) Pentafluorobenzene	7.875	168	166691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	338454	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	404105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	201890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	74250	41.196	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.400%
35) Dibromofluoromethane	7.810	113	98427	45.782	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.560%
50) Toluene-d8	10.269	98	452039	52.561	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.120%
62) 4-Bromofluorobenzene	12.569	95	178698	71.402	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	142.800%
Target Compounds						
					Qvalue	
16) Acetone	4.028	43	4466	Below Cal	#	67
17) Carbon Disulfide	4.263	76	7556	1.236	ug/l	98
18) Methyl Acetate	4.763	43	84	4.000	ug/l #	42
20) Methylene Chloride	4.799	84	17171	5.671	ug/l	93
23) Vinyl Acetate	6.175	43	82	Below Cal	#	63
25) 2-Butanone	7.087	43	869	Below Cal	#	37
31) Cyclohexane	7.875	56	3337	1.095	ug/l #	19
36) 1,1-Dichloropropene	7.875	75	13025	3.900	ug/l #	46
38) Carbon Tetrachloride	7.875	117	17350	5.246	ug/l #	15
76) 1,2,3-Trichloropropane	12.687	75	3153	1.840	ug/l #	100
77) Bromobenzene	12.745	156	354699	111.330	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	89591	108.515	ug/l #	18
90) Hexachloroethane	14.057	117	5671	2.200	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.457	75	772	2.192	ug/l #	1
95) Naphthalene	15.298	128	13447	2.160	ug/l #	1

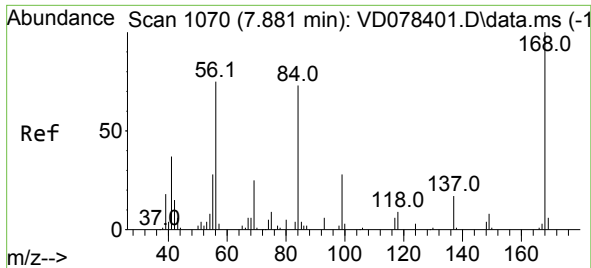
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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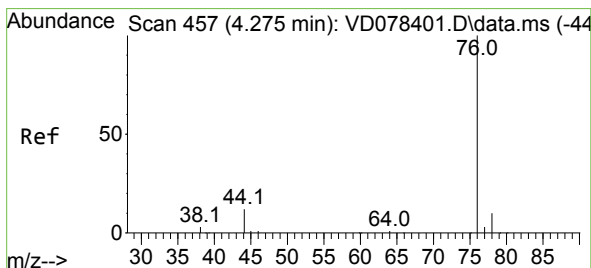
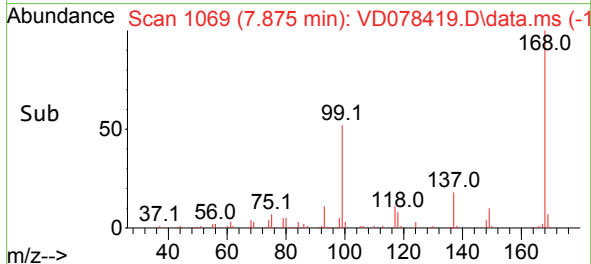
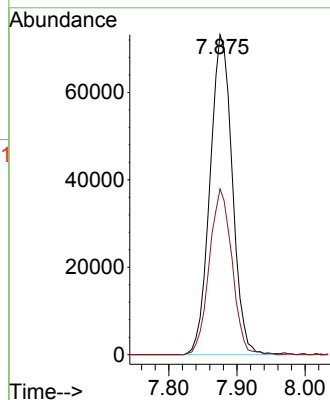
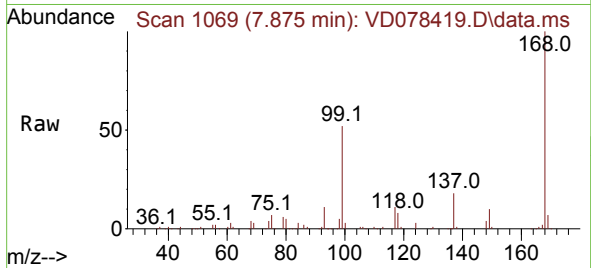




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078419.D
Acq: 14 Feb 2024 17:30

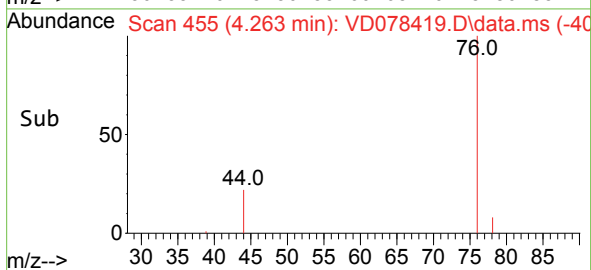
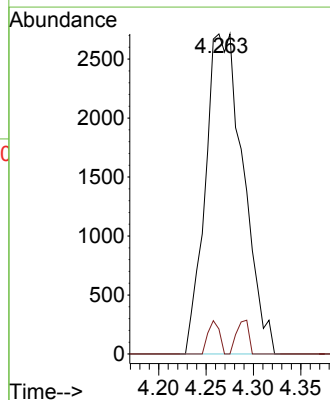
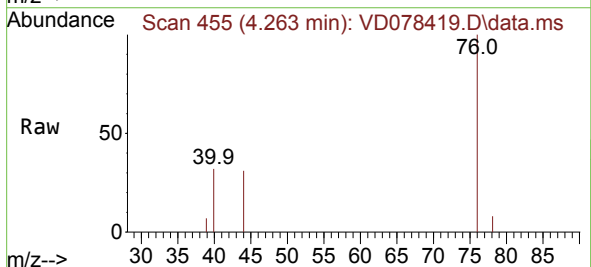
Instrument :
MSVOA_D
ClientSampleId :

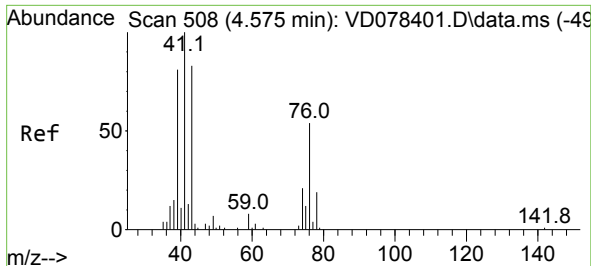
Tgt Ion:168 Resp: 166691
Ion Ratio Lower Upper
168 100
99 51.8 36.7 55.1



#17
Carbon Disulfide
Concen: 1.236 ug/l
RT: 4.263 min Scan# 455
Delta R.T. -0.012 min
Lab File: VD078419.D
Acq: 14 Feb 2024 17:30

Tgt Ion: 76 Resp: 7556
Ion Ratio Lower Upper
76 100
78 7.8 6.8 10.2

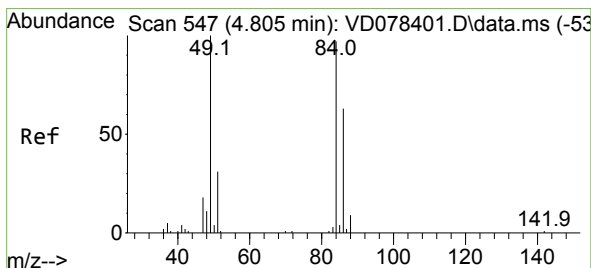
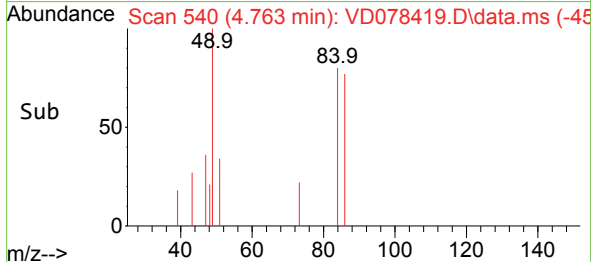
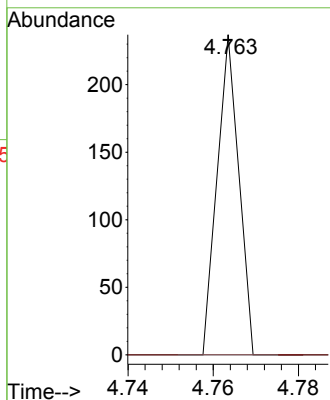
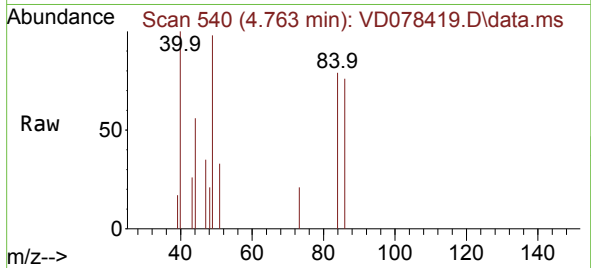




#18
Methyl Acetate
Concen: 4.000 ug/l
RT: 4.763 min Scan# 54
Delta R.T. 0.188 min
Lab File: VD078419.D
Acq: 14 Feb 2024 17:30

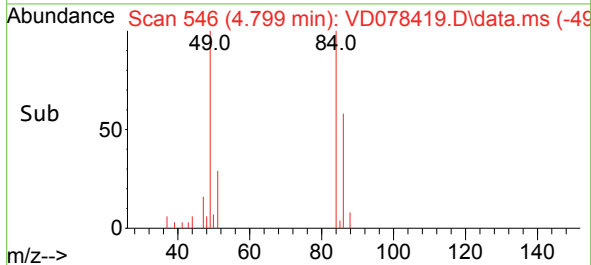
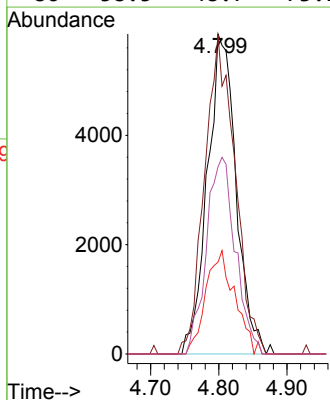
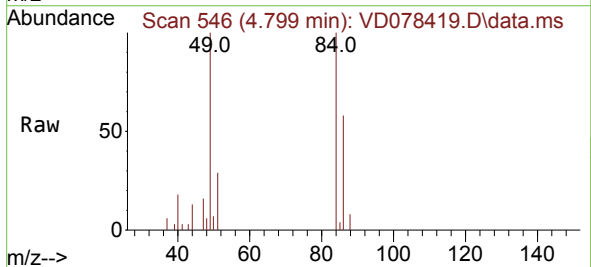
Instrument :
MSVOA_D
ClientSampleId :

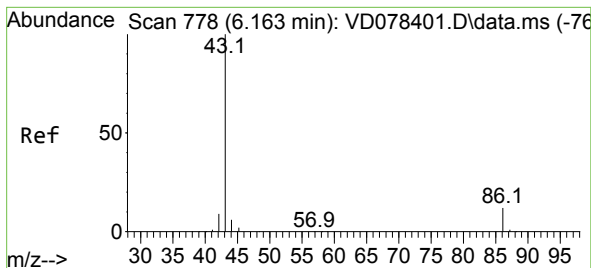
Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



#20
Methylene Chloride
Concen: 5.671 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD078419.D
Acq: 14 Feb 2024 17:30

Tgt Ion: 84 Resp: 17171
Ion Ratio Lower Upper
84 100
49 99.7 71.4 107.2
51 28.7 24.5 36.7
86 58.5 48.7 73.1





#23

Vinyl Acetate

Concen: Below Cal

RT: 6.175 min Scan# 71

Delta R.T. 0.012 min

Lab File: VD078419.D

Acq: 14 Feb 2024 17:30

Instrument :

MSVOA_D

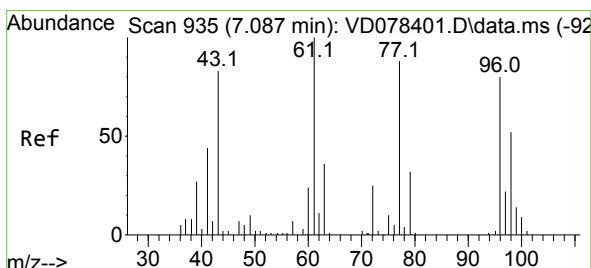
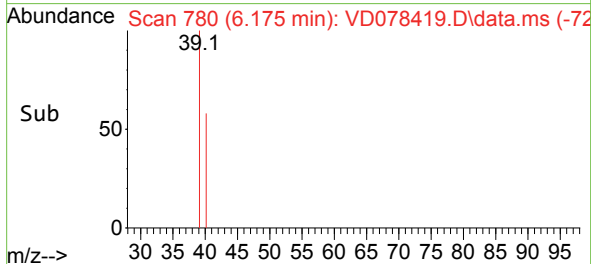
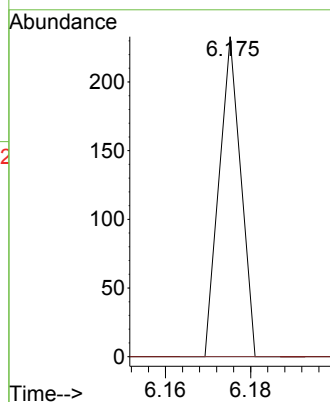
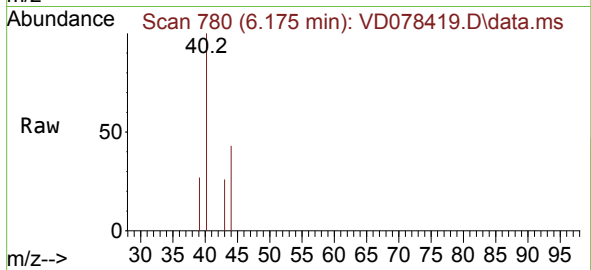
ClientSampleId :

Tgt Ion: 43 Resp: 82

Ion Ratio Lower Upper

43 100

86 0.0 12.5 18.7#



#25

2-Butanone

Concen: Below Cal

RT: 7.087 min Scan# 935

Delta R.T. -0.000 min

Lab File: VD078419.D

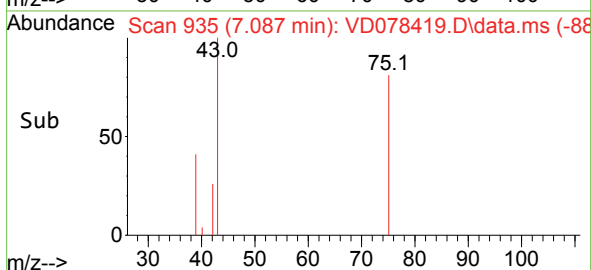
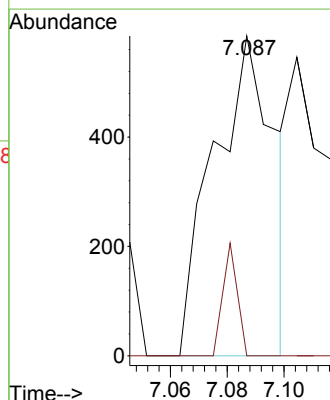
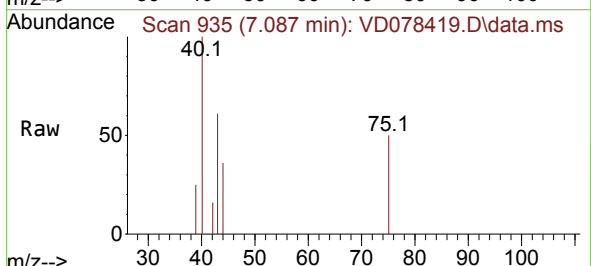
Acq: 14 Feb 2024 17:30

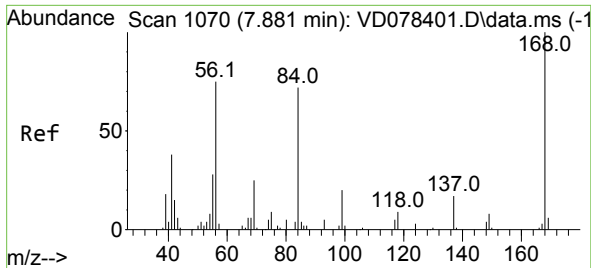
Tgt Ion: 43 Resp: 869

Ion Ratio Lower Upper

43 100

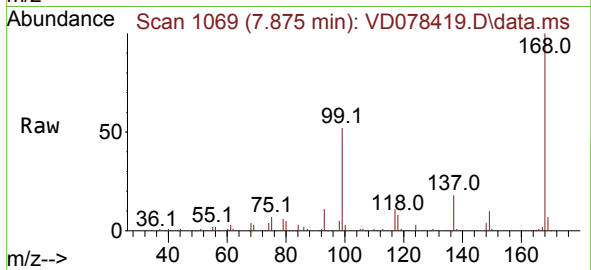
72 0.0 30.7 46.1#



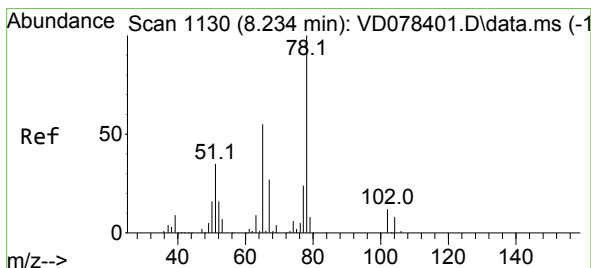
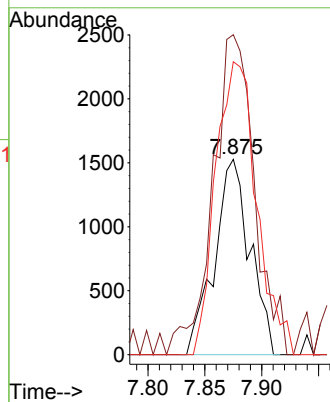
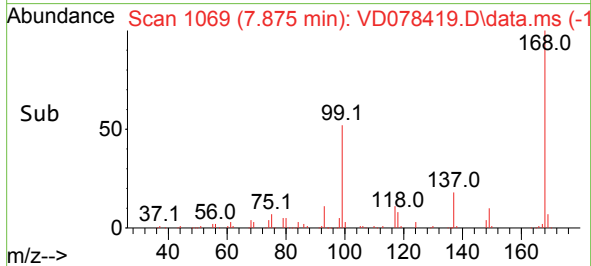


#31
Cyclohexane
Concen: 1.095 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078419.D
Acq: 14 Feb 2024 17:30

Instrument :
MSVOA_D
ClientSampleId :

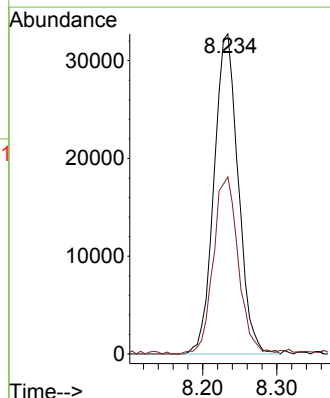
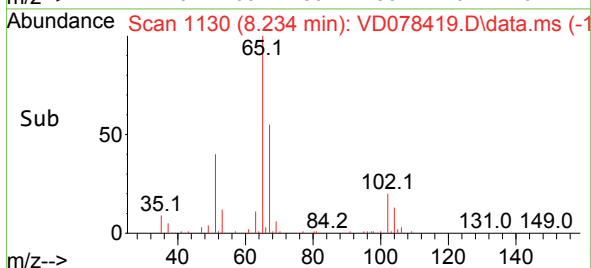
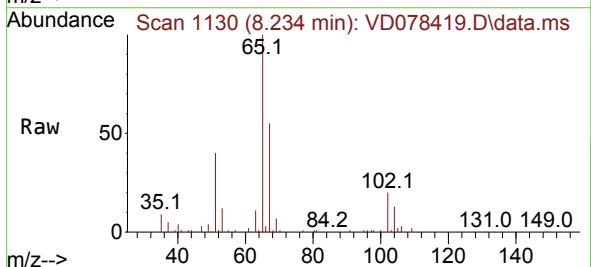


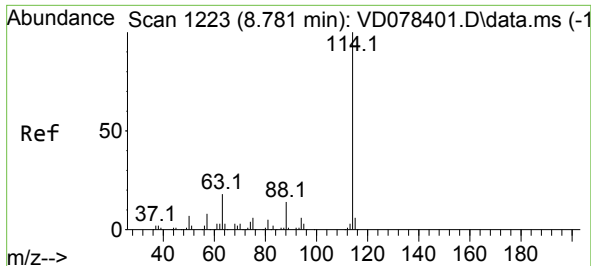
Tgt Ion: 56 Resp: 3337
Ion Ratio Lower Upper
56 100
69 149.3 28.6 43.0#
84 149.9 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 41.196 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD078419.D
Acq: 14 Feb 2024 17:30

Tgt Ion: 65 Resp: 74250
Ion Ratio Lower Upper
65 100
67 57.0 0.0 115.0

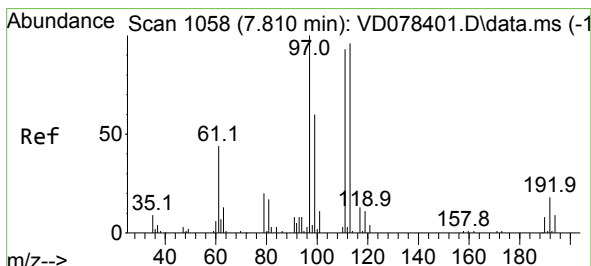
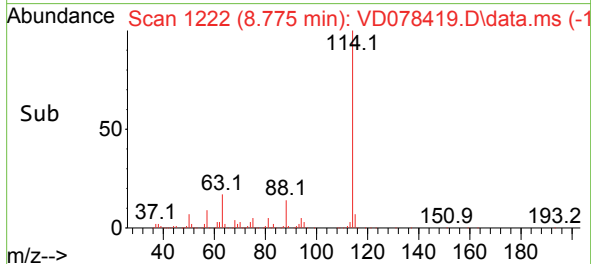
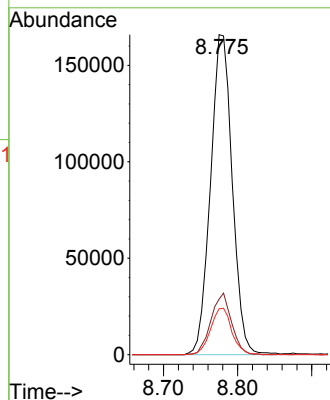
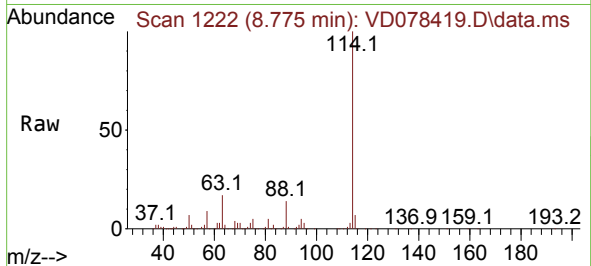




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD078419.D
Acq: 14 Feb 2024 17:30

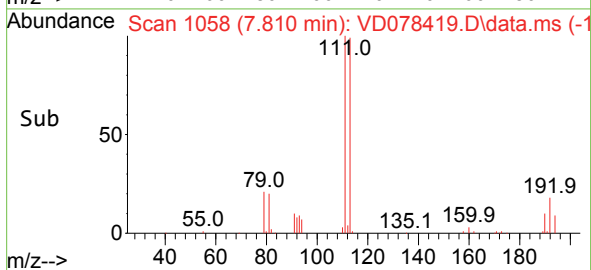
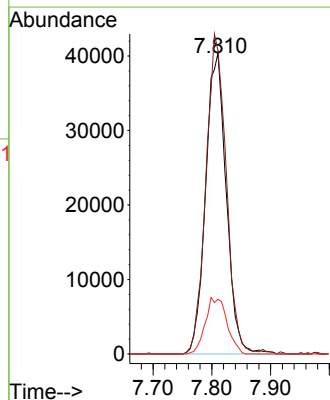
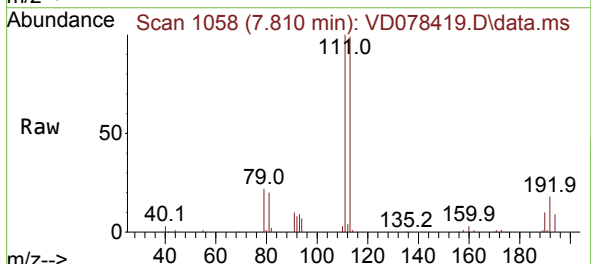
Instrument :
MSVOA_D
ClientSampleId :

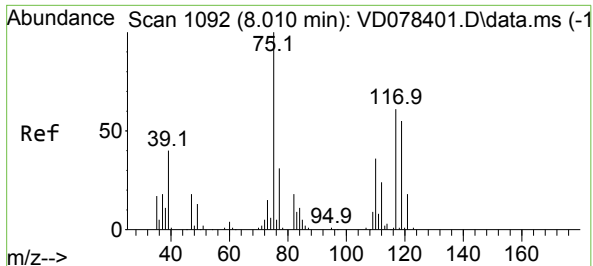
Tgt Ion:114 Resp: 338454
Ion Ratio Lower Upper
114 100
63 17.4 0.0 33.4
88 14.4 0.0 26.2



#35
Dibromofluoromethane
Concen: 45.782 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VD078419.D
Acq: 14 Feb 2024 17:30

Tgt Ion:113 Resp: 98427
Ion Ratio Lower Upper
113 100
111 104.5 84.7 127.1
192 19.6 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.900 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

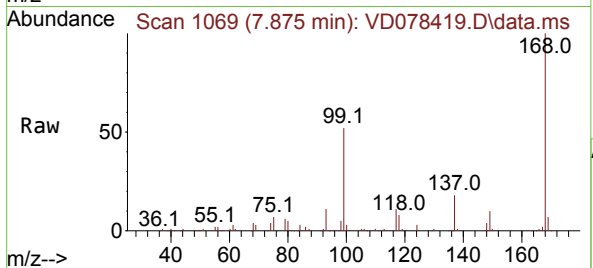
Lab File: VD078419.D

Acq: 14 Feb 2024 17:30

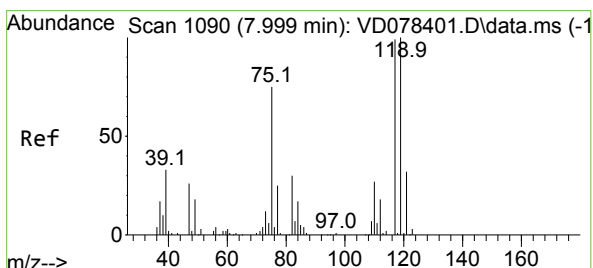
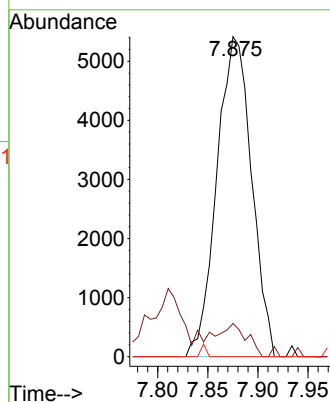
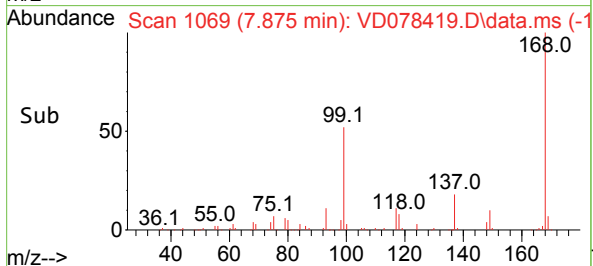
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 13025
Ion Ratio	Lower Upper
75	100
110	7.3 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.246 ug/l

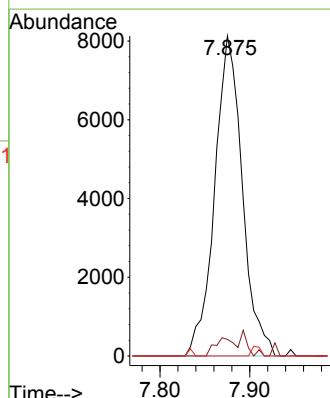
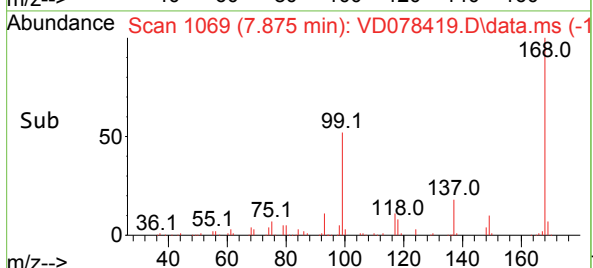
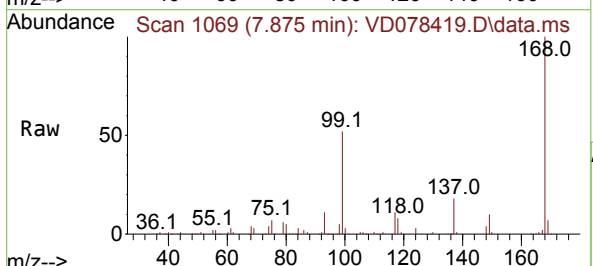
RT: 7.875 min Scan# 1069

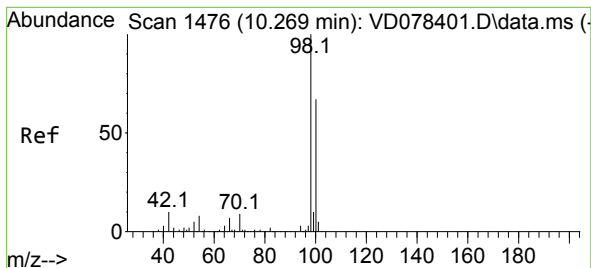
Delta R.T. -0.124 min

Lab File: VD078419.D

Acq: 14 Feb 2024 17:30

Tgt Ion: 117	Resp: 17350
Ion Ratio	Lower Upper
117	100
119	5.2 78.0 117.0#
121	0.0 24.2 36.2#





#50

Toluene-d8

Concen: 52.561 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD078419.D

Acq: 14 Feb 2024 17:30

Instrument :

MSVOA_D

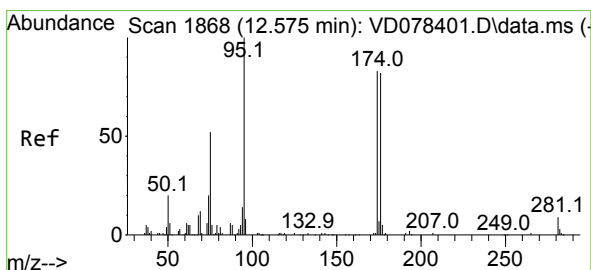
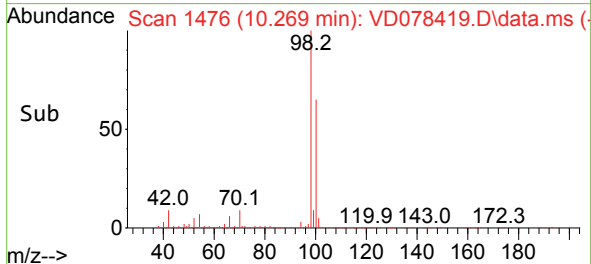
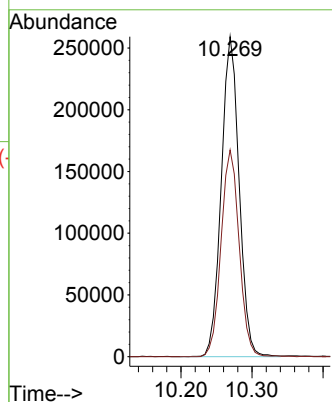
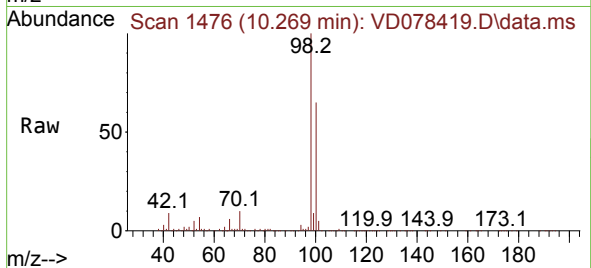
ClientSampleId :

Tgt Ion: 98 Resp: 452039

Ion Ratio Lower Upper

98 100

100 65.3 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 71.402 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VD078419.D

Acq: 14 Feb 2024 17:30

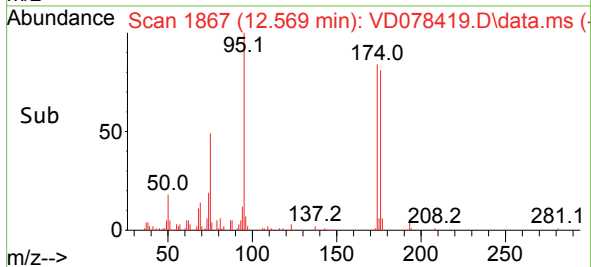
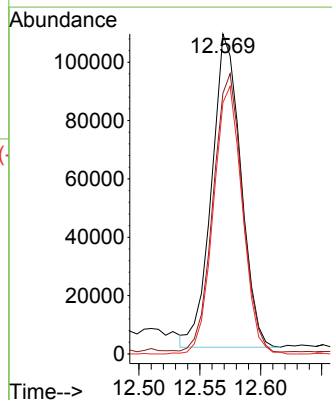
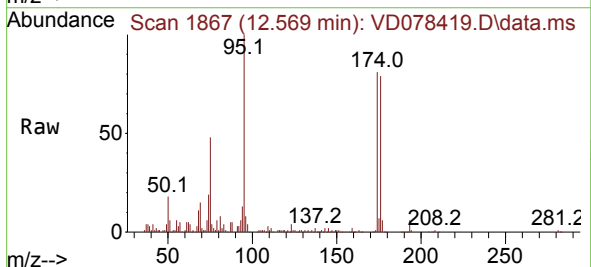
Tgt Ion: 95 Resp: 178698

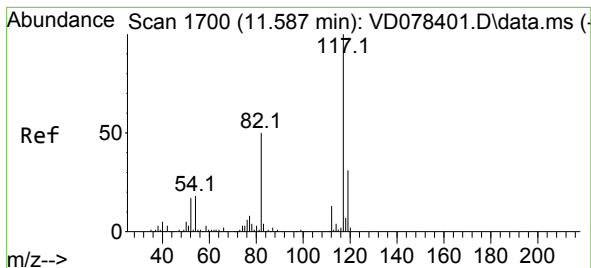
Ion Ratio Lower Upper

95 100

174 89.3 0.0 201.8

176 84.6 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD078419.D

Acq: 14 Feb 2024 17:30

Instrument :

MSVOA_D

ClientSampleId :

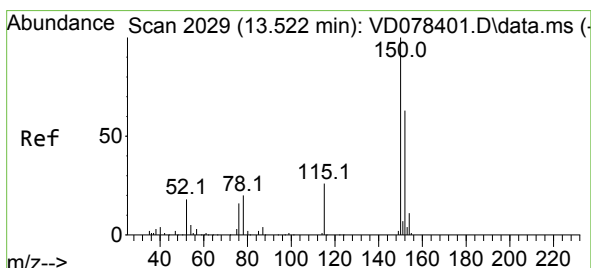
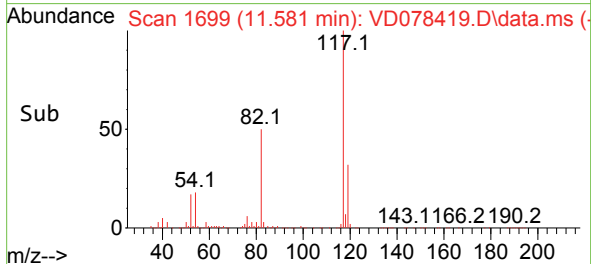
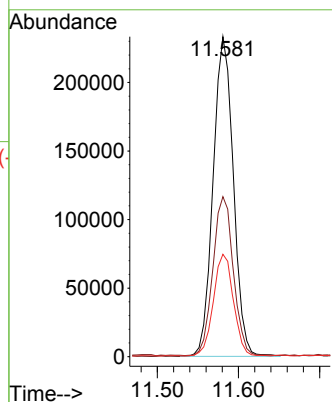
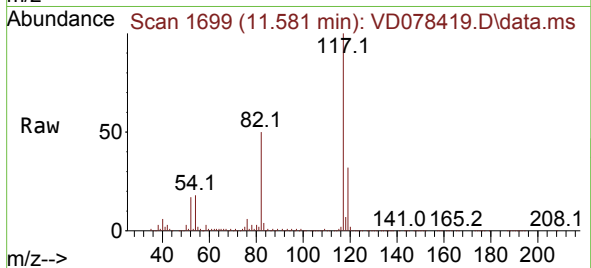
Tgt Ion:117 Resp: 404105

Ion Ratio Lower Upper

117 100

82 49.7 38.3 57.5

119 31.7 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: VD078419.D

Acq: 14 Feb 2024 17:30

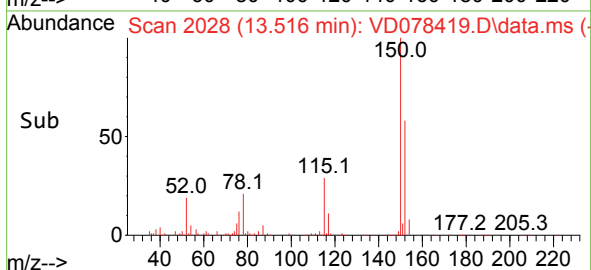
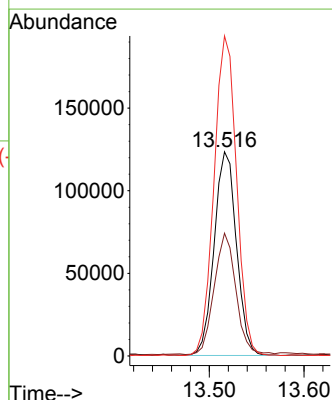
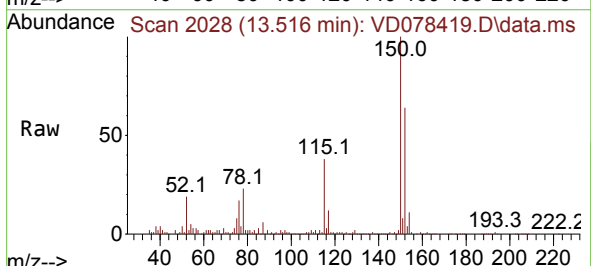
Tgt Ion:152 Resp: 201890

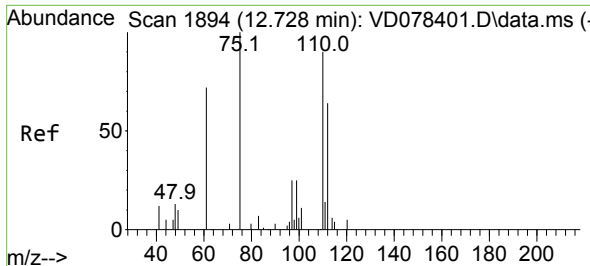
Ion Ratio Lower Upper

152 100

115 57.8 27.1 81.3

150 158.5 0.0 353.6

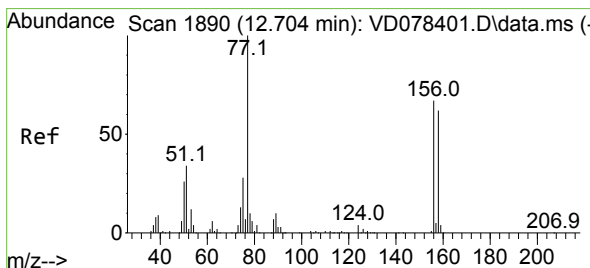
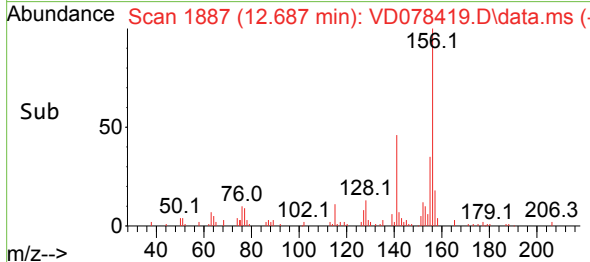
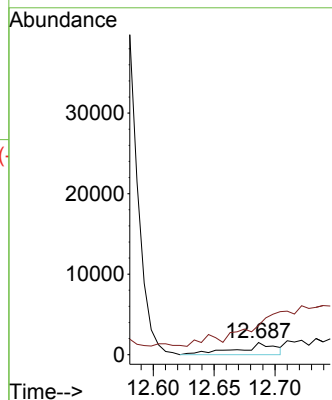
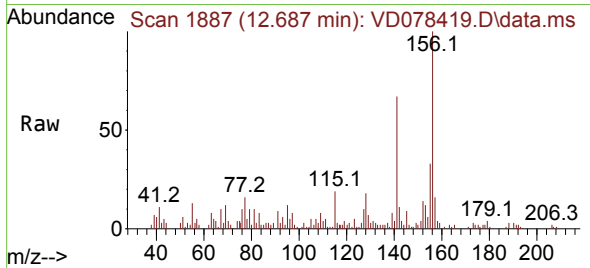




#76
1,2,3-Trichloropropane
Concen: 1.840 ug/l
RT: 12.687 min Scan# 1887
Delta R.T. -0.041 min
Lab File: VD078419.D
Acq: 14 Feb 2024 17:30

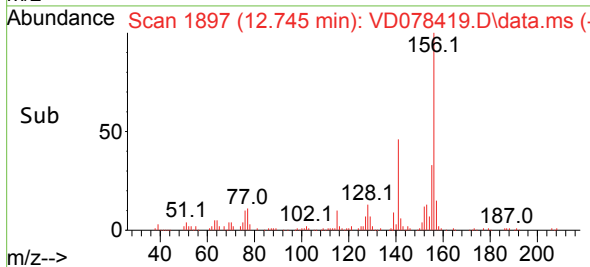
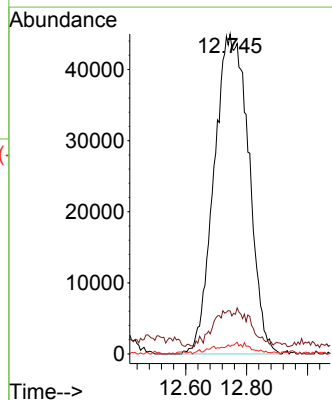
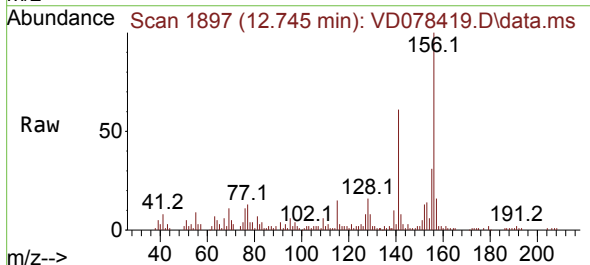
Instrument :
MSVOA_D
ClientSampleId :

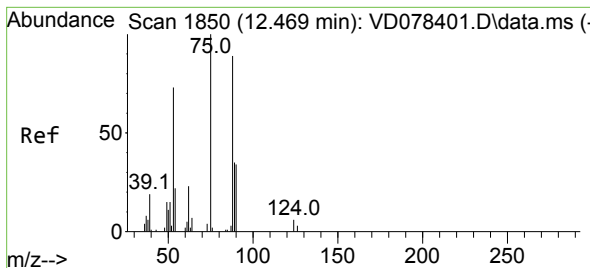
Tgt Ion: 75 Resp: 3153
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 111.330 ug/l
RT: 12.745 min Scan# 1897
Delta R.T. 0.041 min
Lab File: VD078419.D
Acq: 14 Feb 2024 17:30

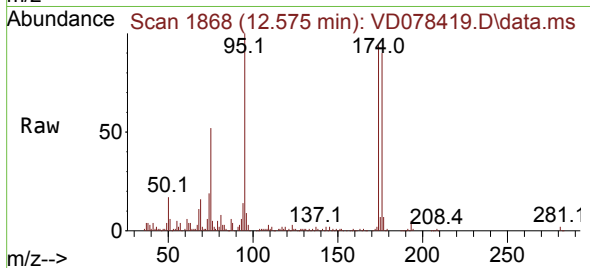
Tgt Ion:156 Resp: 354699
Ion Ratio Lower Upper
156 100
77 5.1 76.8 230.4#
158 0.1 48.6 145.9#



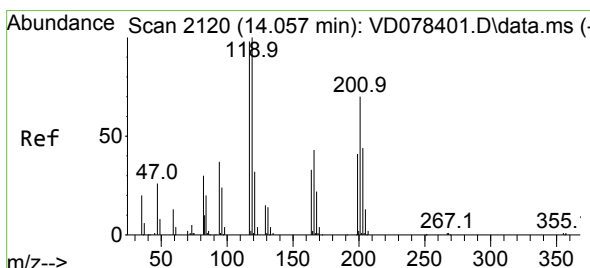
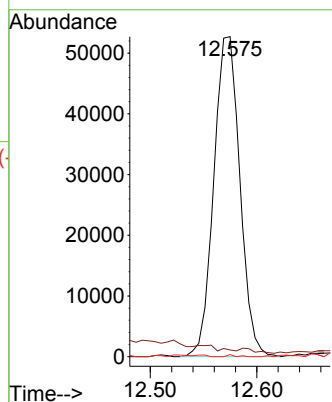
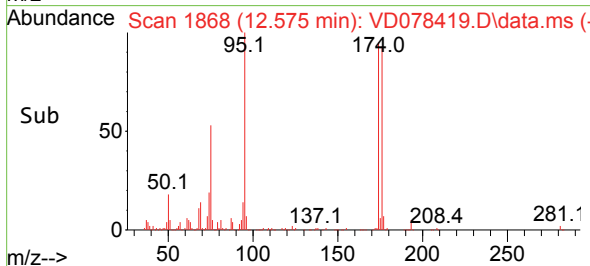


#81
trans-1,4-Dichloro-2-butene
Concen: 108.515 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078419.D
Acq: 14 Feb 2024 17:30

Instrument :
MSVOA_D
ClientSampleId :

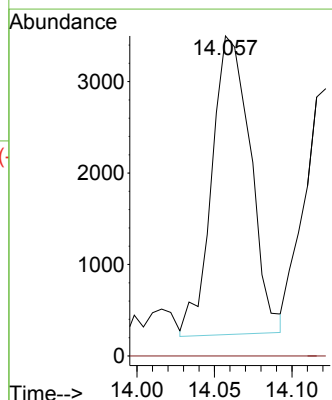
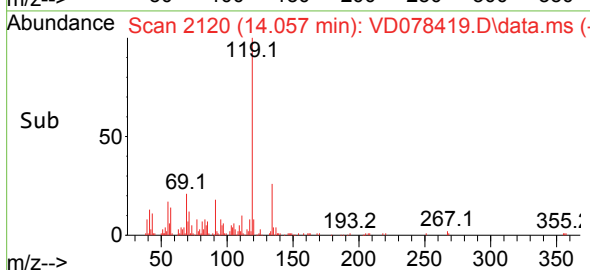
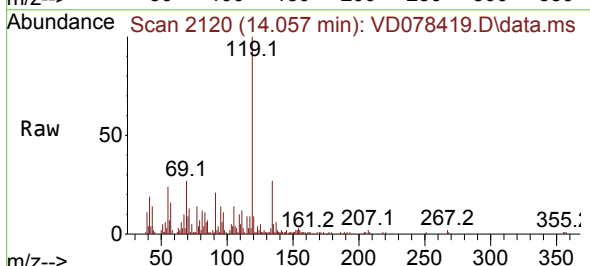


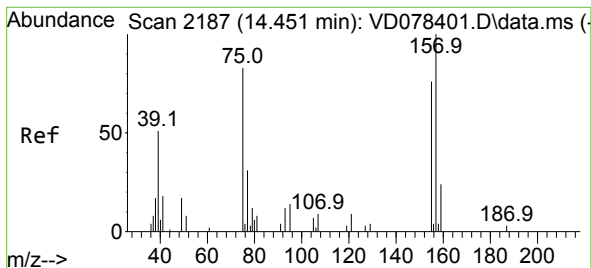
Tgt Ion: 75 Resp: 89591
Ion Ratio Lower Upper
75 100
53 0.9 63.0 94.4#
89 0.2 37.9 56.9#



#90
Hexachloroethane
Concen: 2.200 ug/l
RT: 14.057 min Scan# 2120
Delta R.T. -0.000 min
Lab File: VD078419.D
Acq: 14 Feb 2024 17:30

Tgt Ion: 117 Resp: 5671
Ion Ratio Lower Upper
117 100
201 0.0 38.5 115.5#

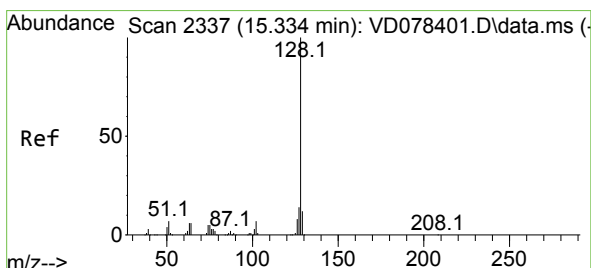
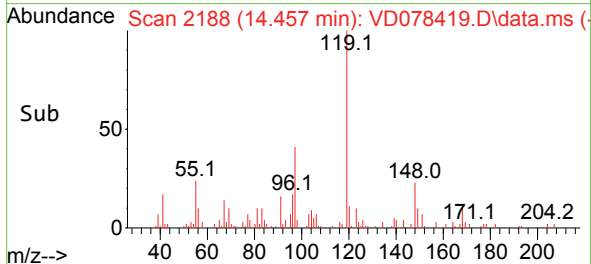
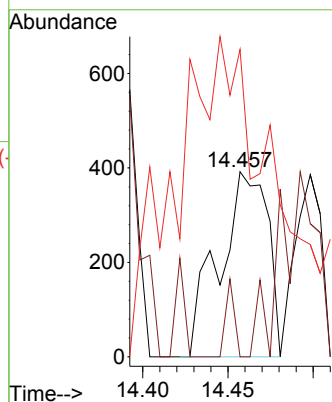
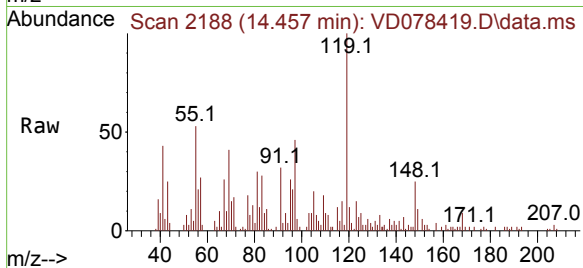




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.192 ug/l
RT: 14.457 min Scan# 2188
Delta R.T. 0.006 min
Lab File: VD078419.D
Acq: 14 Feb 2024 17:30

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 772
Ion Ratio Lower Upper
75 100
155 0.0 47.9 143.8#
157 0.0 59.9 179.7#



#95
Naphthalene
Concen: 2.160 ug/l
RT: 15.298 min Scan# 2331
Delta R.T. -0.035 min
Lab File: VD078419.D
Acq: 14 Feb 2024 17:30

Tgt Ion: 128 Resp: 13447
Ion Ratio Lower Upper
128 100
127 67.3 10.5 15.7#
129 71.7 8.7 13.1#

