

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022024\
 Data File : VD078483.D
 Acq On : 20 Feb 2024 15:09
 Operator : RP/MD
 Sample : P1530-02
 Misc : 4.17G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BROAD-GENERAL

Quant Time: Feb 21 05:24:16 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)

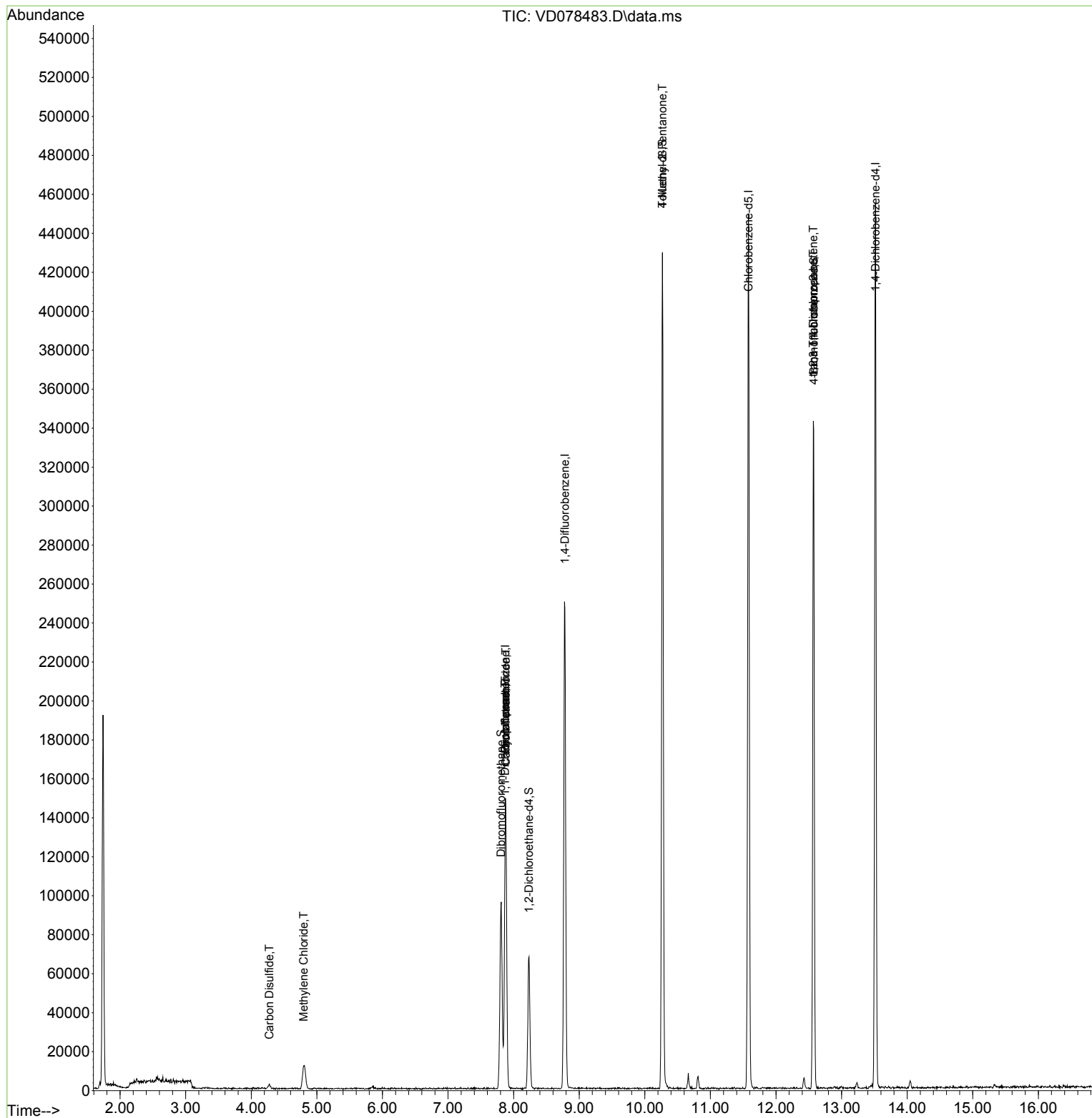
Internal Standards						
1) Pentafluorobenzene	7.875	168	113925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	231811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	264251	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	117981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	51382	41.713	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.420%
35) Dibromofluoromethane	7.810	113	70142	47.634	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.260%
50) Toluene-d8	10.269	98	297312	50.474	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.940%
62) 4-Bromofluorobenzene	12.575	95	103600	60.438	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	120.880%
Target Compounds						
					Qvalue	
16) Acetone	4.034	43	412	Below Cal	#	32
17) Carbon Disulfide	4.275	76	4255	1.018	ug/l	100
20) Methylene Chloride	4.799	84	10397	4.648	ug/l	97
23) Vinyl Acetate	5.999	43	55	Below Cal	#	63
25) 2-Butanone	7.105	43	76	Below Cal	#	37
31) Cyclohexane	7.875	56	2654	1.274	ug/l	# 63
36) 1,1-Dichloropropene	7.869	75	10450	4.568	ug/l	# 49
38) Carbon Tetrachloride	7.881	117	12477	5.508	ug/l	# 15
51) 4-Methyl-2-Pentanone	10.269	43	1179	1.496	ug/l	# 1
76) 1,2,3-Trichloropropane	12.569	75	54501	54.413	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	54501	112.962	ug/l	# 17

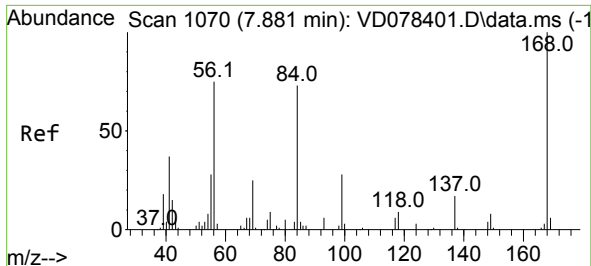
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 14 01:16:20 2024
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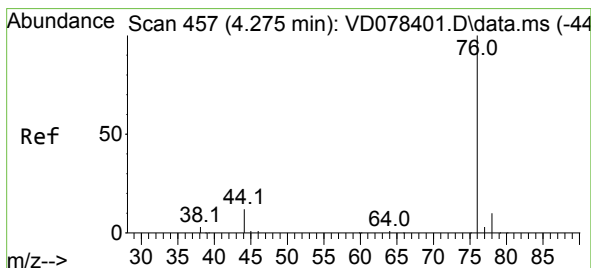
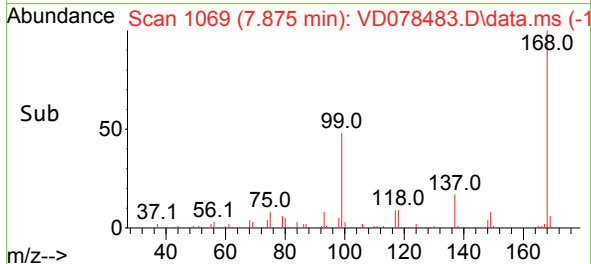
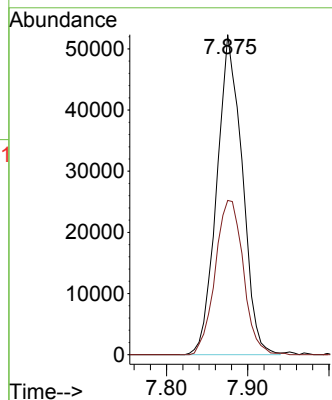
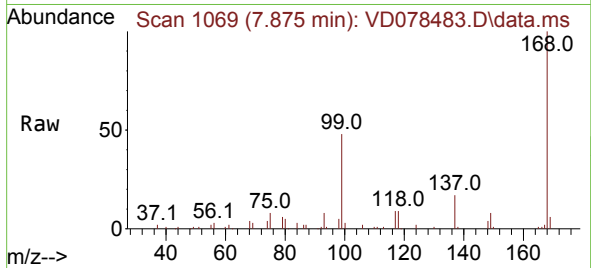




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VD078483.D
Acq: 20 Feb 2024 15:09

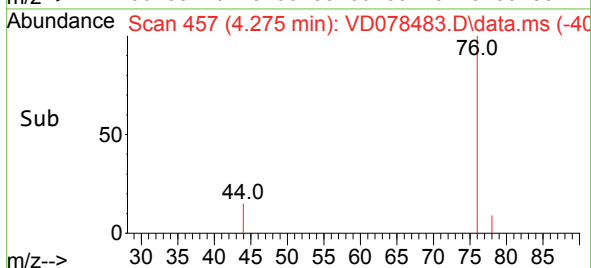
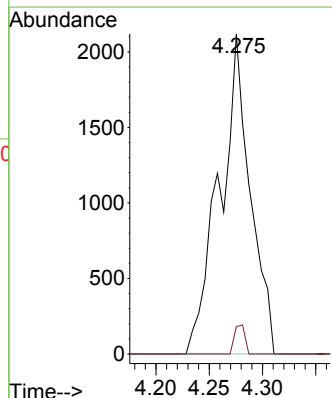
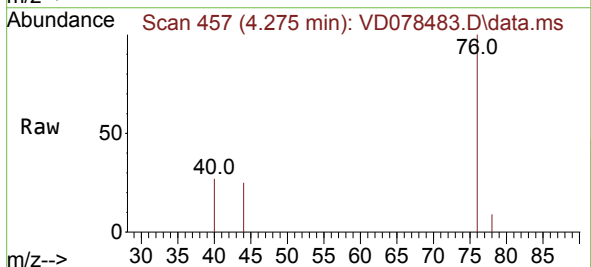
Instrument :
MSVOA_D
ClientSampleId :
BROAD-GENERAL

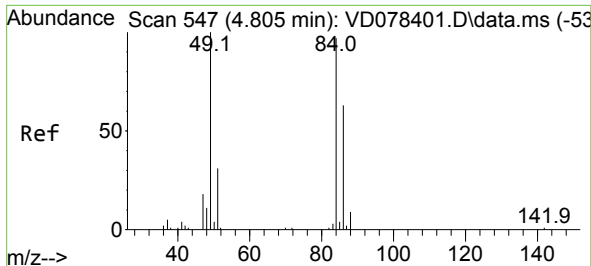
Tgt Ion:168 Resp: 113925
Ion Ratio Lower Upper
168 100
99 48.2 36.7 55.1



#17
Carbon Disulfide
Concen: 1.018 ug/l
RT: 4.275 min Scan# 457
Delta R.T. 0.000 min
Lab File: VD078483.D
Acq: 20 Feb 2024 15:09

Tgt Ion: 76 Resp: 4255
Ion Ratio Lower Upper
76 100
78 8.5 6.8 10.2

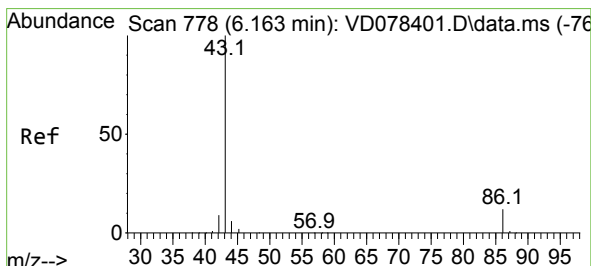
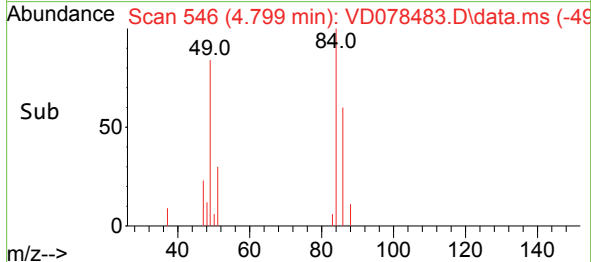
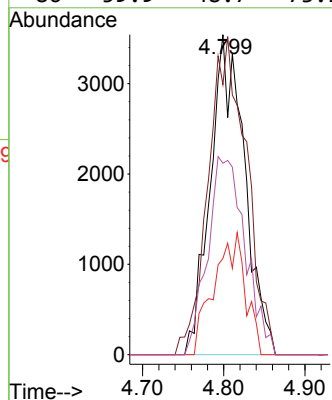
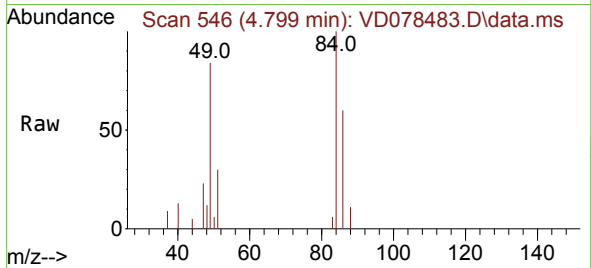




#20
Methylene Chloride
Concen: 4.648 ug/l
RT: 4.799 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD078483.D
Acq: 20 Feb 2024 15:09

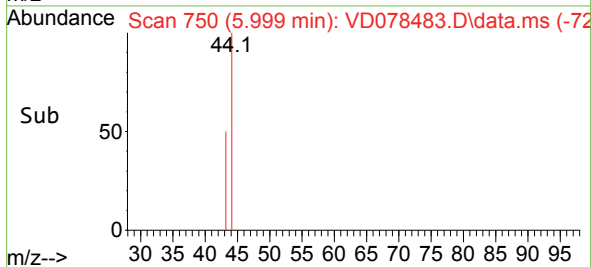
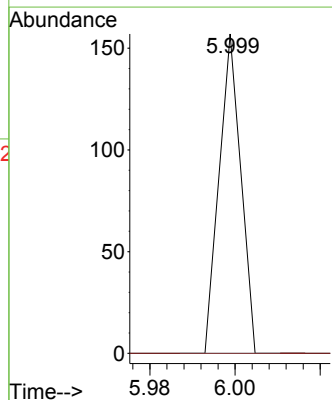
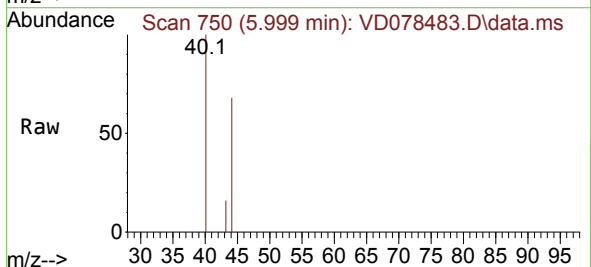
Instrument :
MSVOA_D
ClientSampleId :
BROAD-GENERAL

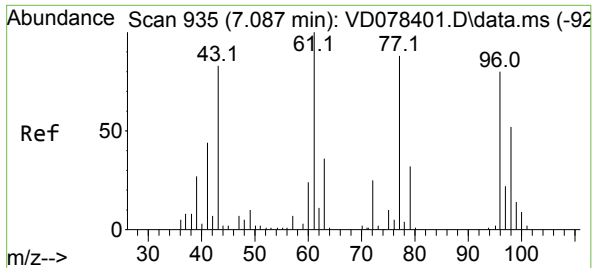
Tgt Ion:	84	Resp:	10397
Ion	Ratio	Lower	Upper
84	100		
49	84.4	71.4	107.2
51	30.1	24.5	36.7
86	59.9	48.7	73.1



#23
Vinyl Acetate
Concen: Below Cal
RT: 5.999 min Scan# 750
Delta R.T. -0.164 min
Lab File: VD078483.D
Acq: 20 Feb 2024 15:09

Tgt Ion:	43	Resp:	55
Ion	Ratio	Lower	Upper
43	100		
86	0.0	12.5	18.7#

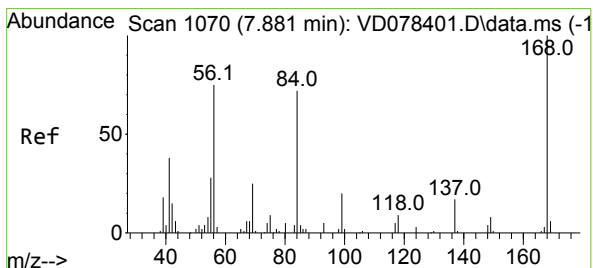
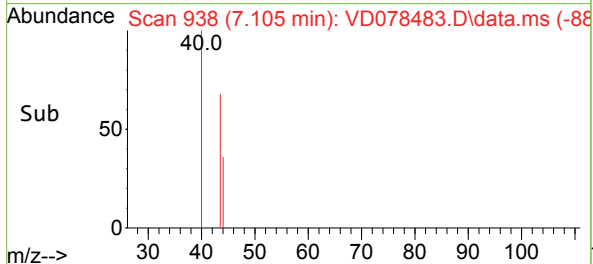
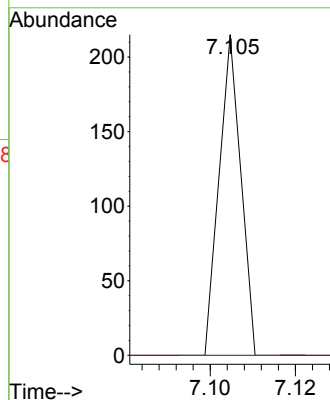
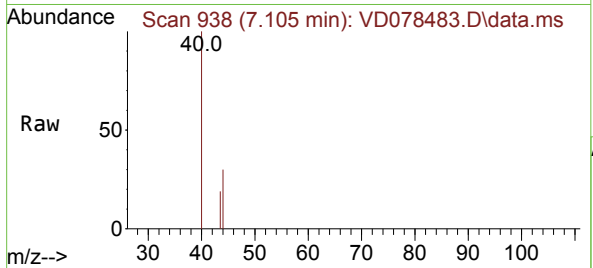




#25
2-Butanone
Concen: Below Cal
RT: 7.105 min Scan# 91
Delta R.T. 0.018 min
Lab File: VD078483.D
Acq: 20 Feb 2024 15:09

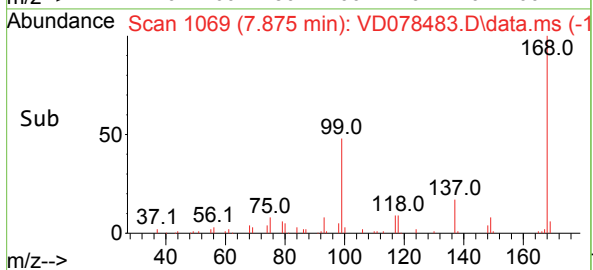
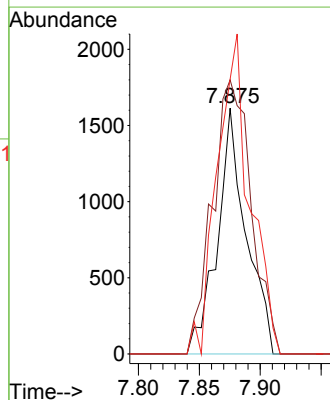
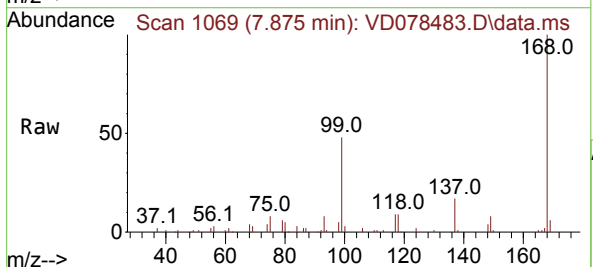
Instrument :
MSVOA_D
ClientSampleId :
BROAD-GENERAL

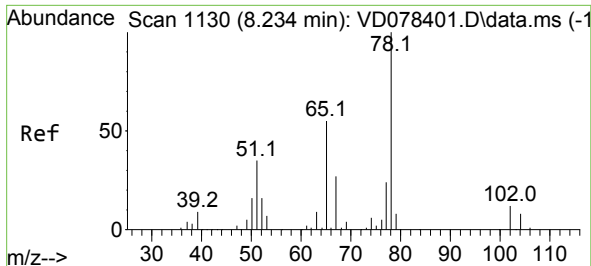
Tgt Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.274 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078483.D
Acq: 20 Feb 2024 15:09

Tgt Ion: 56 Resp: 2654
Ion Ratio Lower Upper
56 100
69 111.5 28.6 43.0#
84 111.8 84.8 127.2

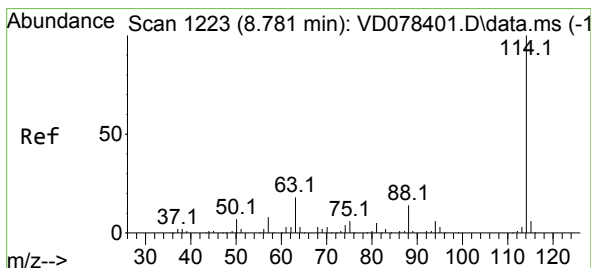
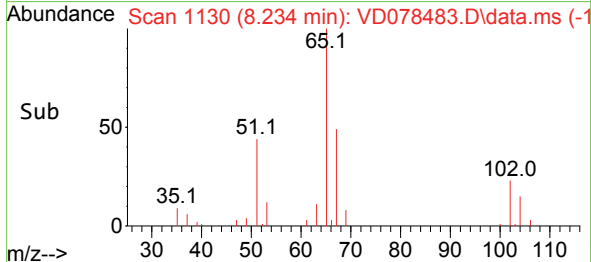
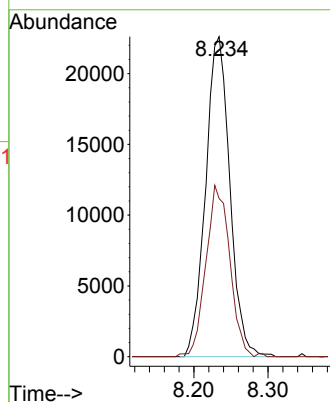
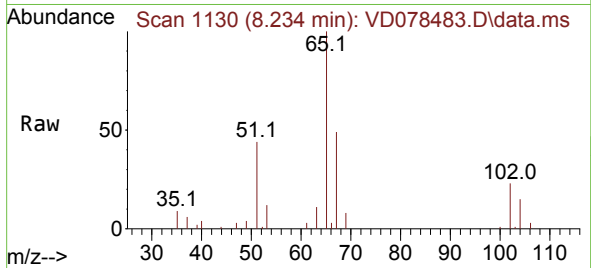




#33
1,2-Dichloroethane-d4
Concen: 41.713 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD078483.D
Acq: 20 Feb 2024 15:09

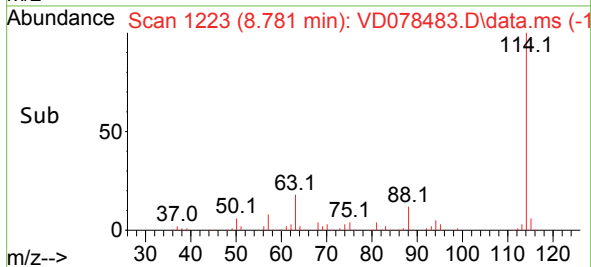
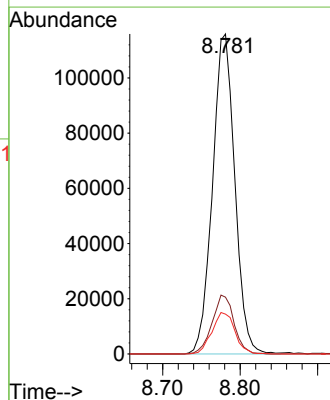
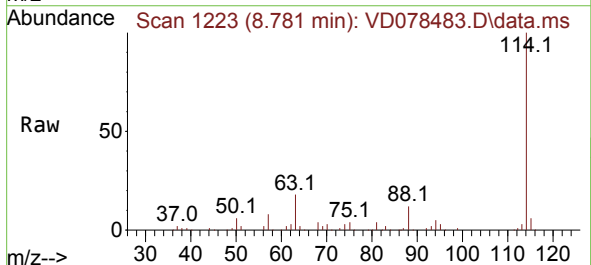
Instrument :
MSVOA_D
ClientSampleId :
BROAD-GENERAL

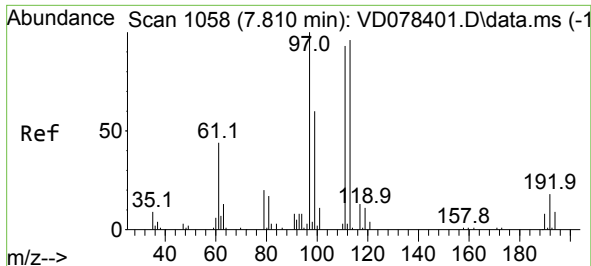
Tgt Ion: 65 Resp: 51382
Ion Ratio Lower Upper
65 100
67 52.6 0.0 115.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1223
Delta R.T. 0.000 min
Lab File: VD078483.D
Acq: 20 Feb 2024 15:09

Tgt Ion: 114 Resp: 231811
Ion Ratio Lower Upper
114 100
63 17.7 0.0 33.4
88 12.5 0.0 26.2





#35

Dibromofluoromethane

Concen: 47.634 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD078483.D

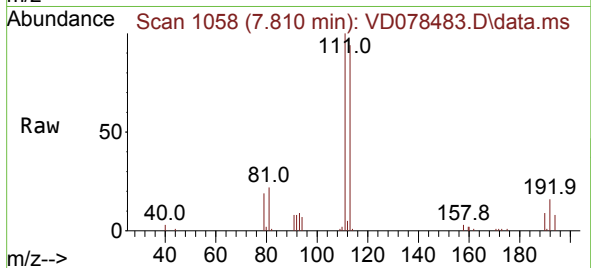
Acq: 20 Feb 2024 15:09

Instrument :

MSVOA_D

ClientSampleId :

BROAD-GENERAL



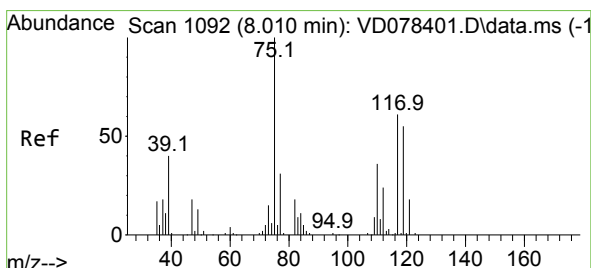
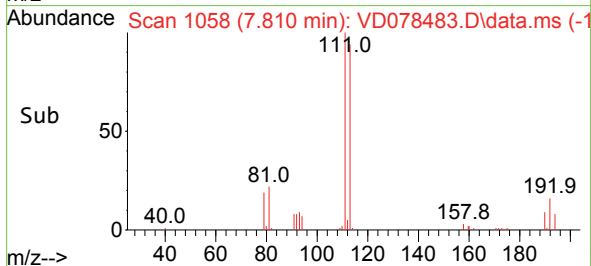
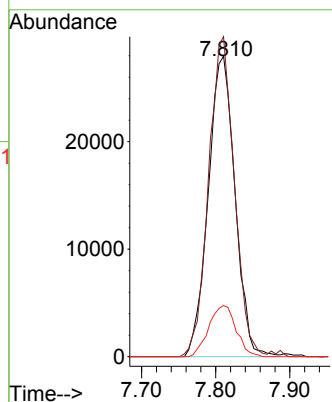
Tgt Ion:113 Resp: 70142

Ion Ratio Lower Upper

113 100

111 102.5 84.7 127.1

192 17.3 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.568 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD078483.D

Acq: 20 Feb 2024 15:09

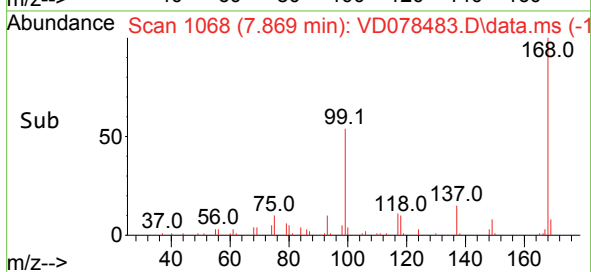
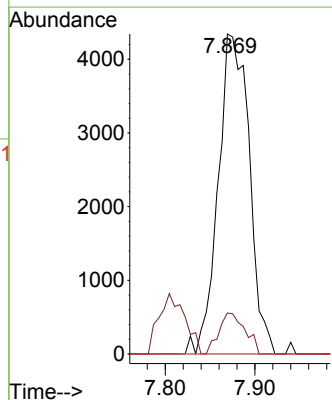
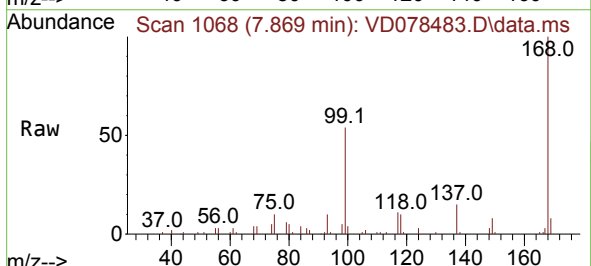
Tgt Ion: 75 Resp: 10450

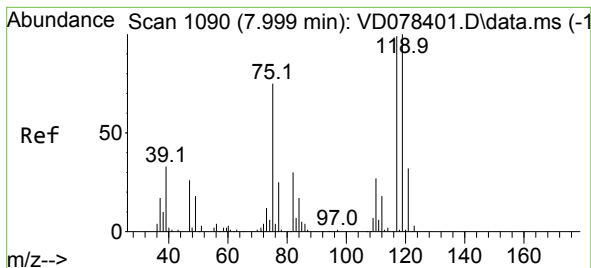
Ion Ratio Lower Upper

75 100

110 10.8 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.508 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.118 min

Lab File: VD078483.D

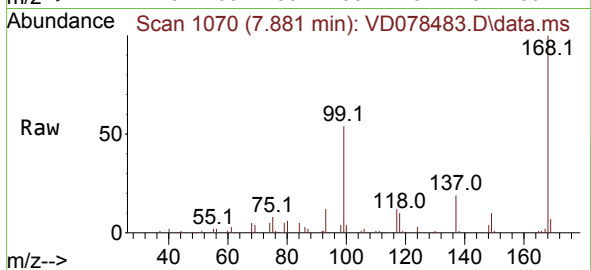
Acq: 20 Feb 2024 15:09

Instrument :

MSVOA_D

ClientSampleId :

BROAD-GENERAL



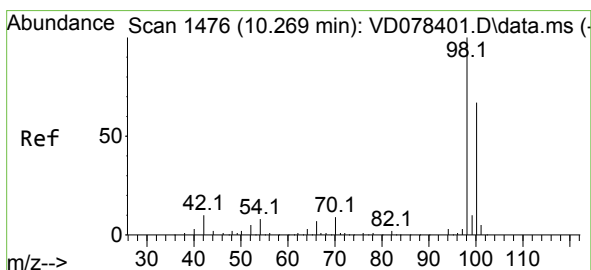
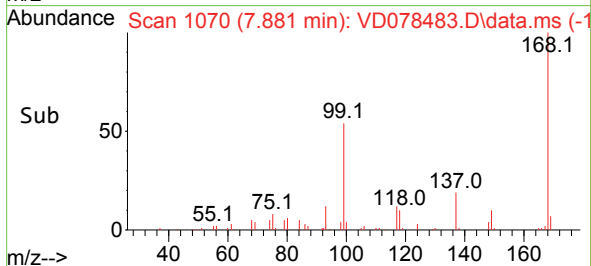
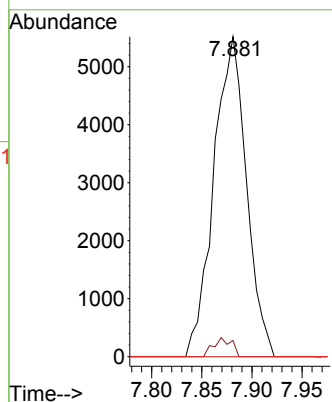
Tgt Ion:117 Resp: 12477

Ion Ratio Lower Upper

117 100

119 5.0 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 50.474 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078483.D

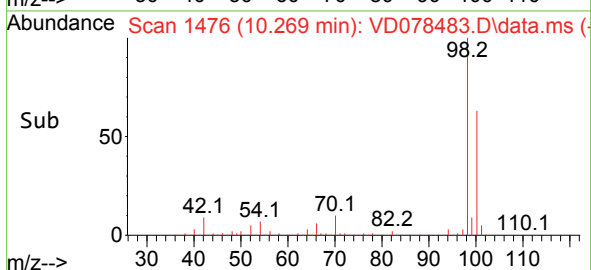
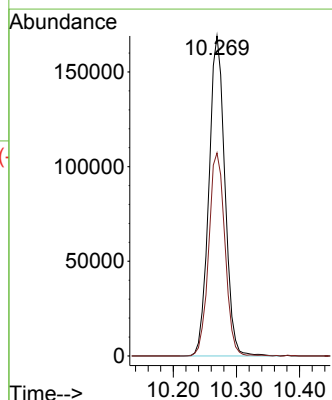
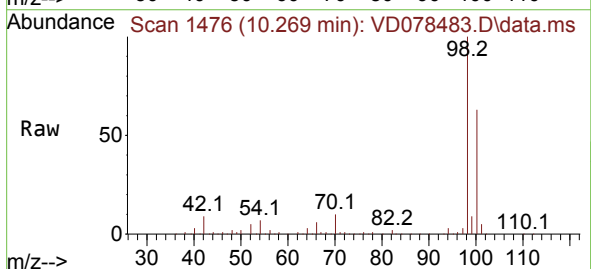
Acq: 20 Feb 2024 15:09

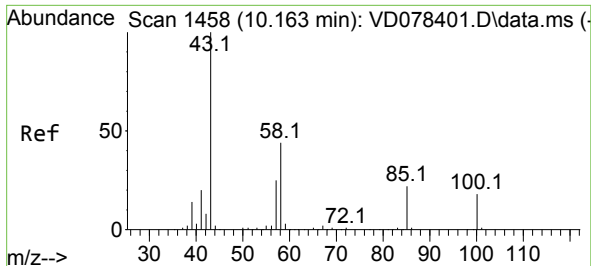
Tgt Ion: 98 Resp: 297312

Ion Ratio Lower Upper

98 100

100 64.4 50.3 75.5

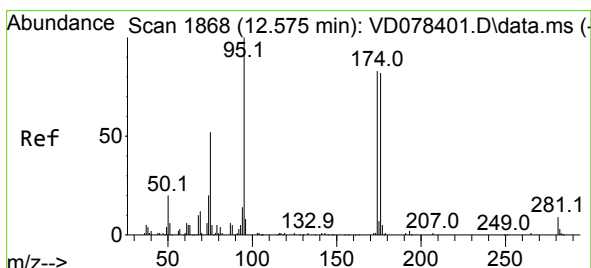
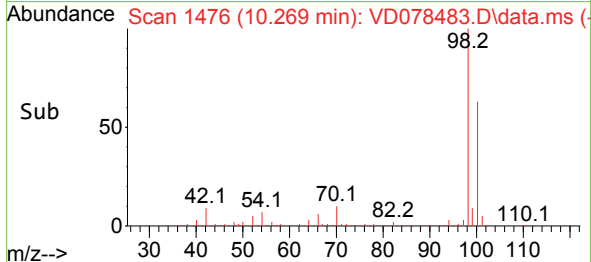
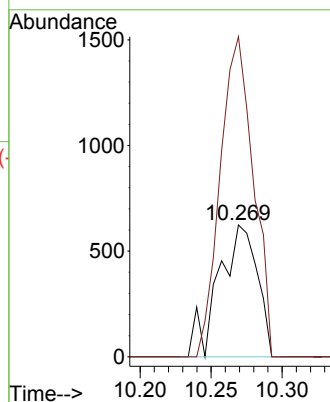
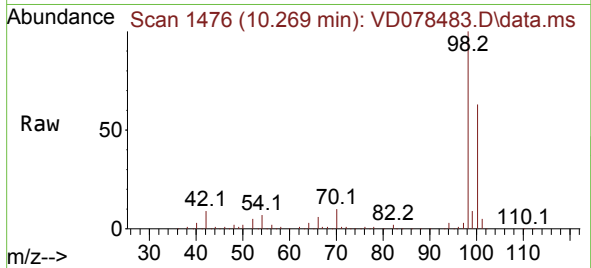




#51
4-Methyl-2-Pentanone
Concen: 1.496 ug/l
RT: 10.269 min Scan# 1458
Delta R.T. 0.106 min
Lab File: VD078483.D
Acq: 20 Feb 2024 15:09

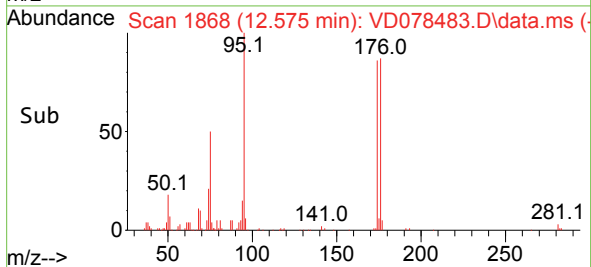
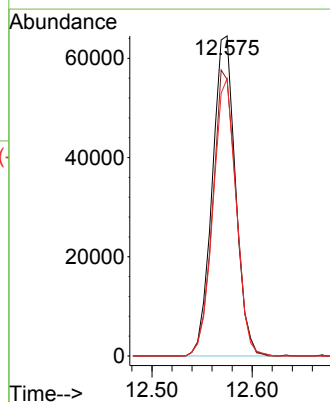
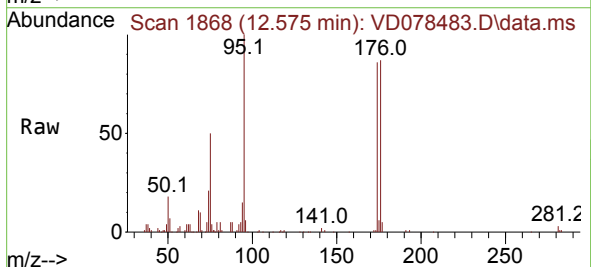
Instrument :
MSVOA_D
ClientSampleId :
BROAD-GENERAL

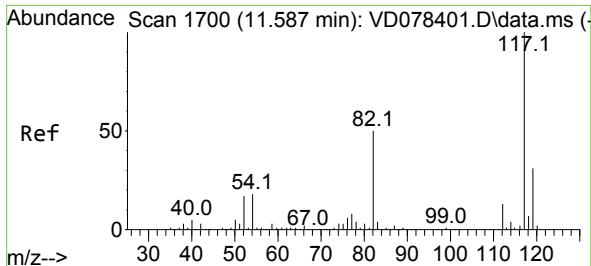
Tgt Ion: 43 Resp: 1179
Ion Ratio Lower Upper
43 100
58 209.0 38.9 58.3#



#62
4-Bromofluorobenzene
Concen: 60.438 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078483.D
Acq: 20 Feb 2024 15:09

Tgt Ion: 95 Resp: 103600
Ion Ratio Lower Upper
95 100
174 89.4 0.0 201.8
176 86.3 0.0 191.8

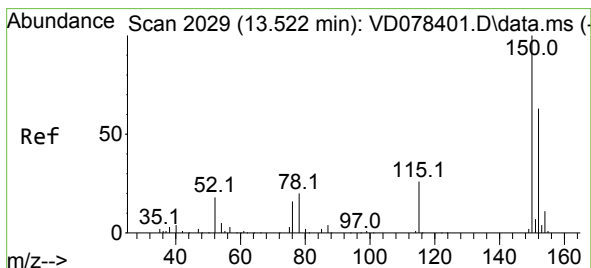
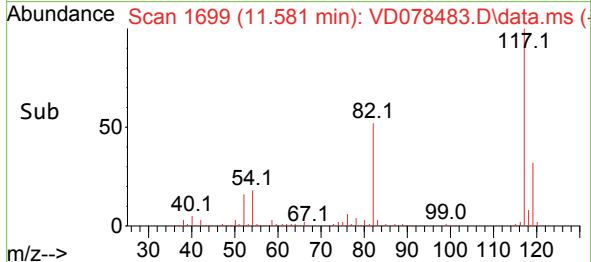
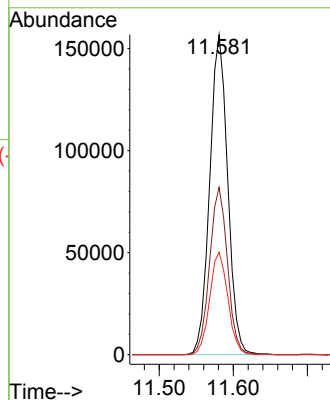
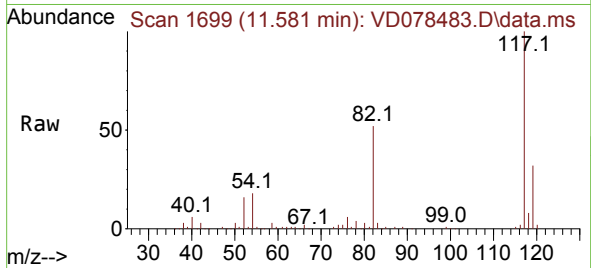




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD078483.D
Acq: 20 Feb 2024 15:09

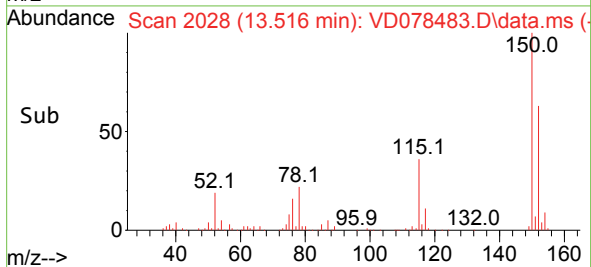
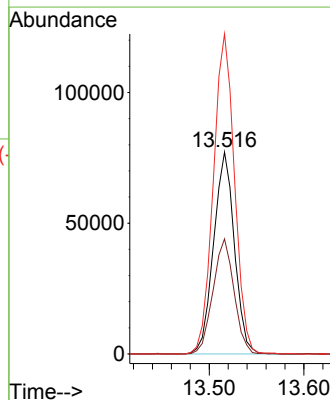
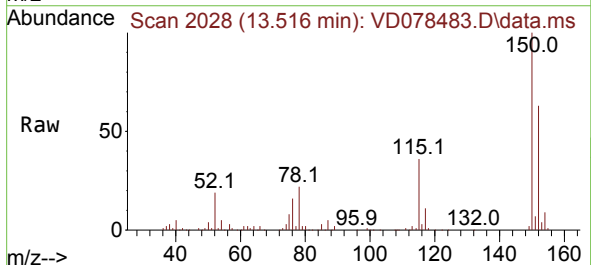
Instrument :
MSVOA_D
ClientSampleId :
BROAD-GENERAL

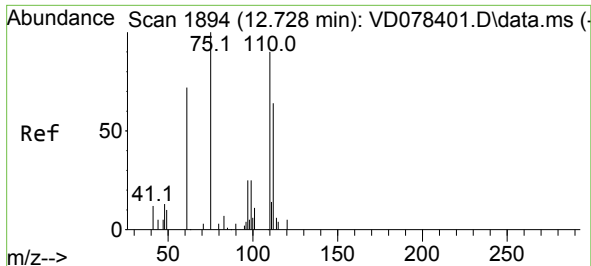
Tgt Ion:117 Resp: 264251
Ion Ratio Lower Upper
117 100
82 52.3 38.3 57.5
119 32.0 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD078483.D
Acq: 20 Feb 2024 15:09

Tgt Ion:152 Resp: 117981
Ion Ratio Lower Upper
152 100
115 57.8 27.1 81.3
150 161.1 0.0 353.6

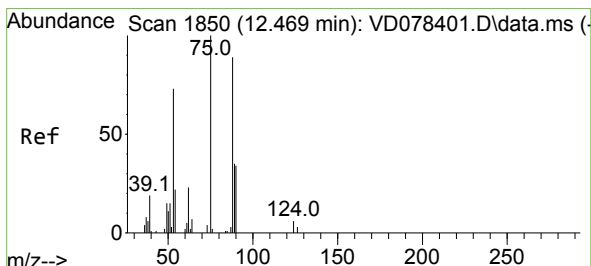
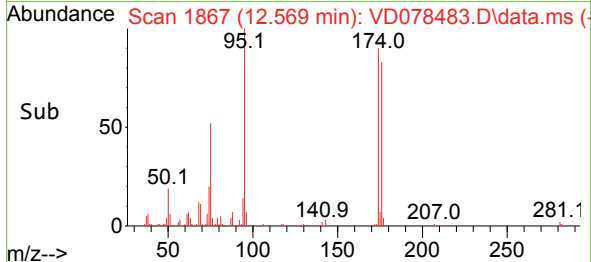
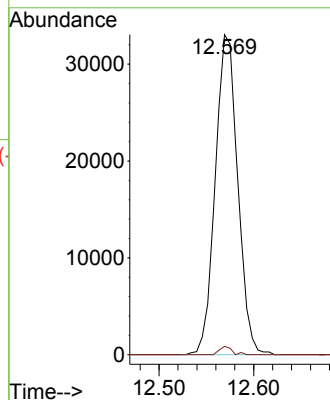
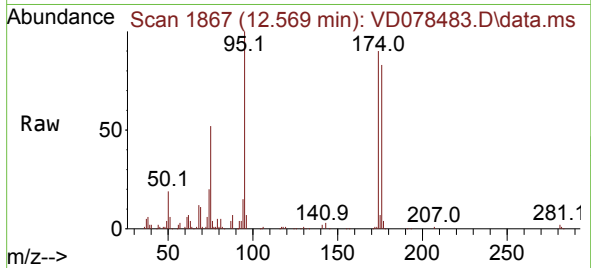




#76
1,2,3-Trichloropropane
Concen: 54.413 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.159 min
Lab File: VD078483.D
Acq: 20 Feb 2024 15:09

Instrument :
MSVOA_D
ClientSampleId :
BROAD-GENERAL

Tgt Ion: 75 Resp: 54501
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.962 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD078483.D
Acq: 20 Feb 2024 15:09

Tgt Ion: 75 Resp: 54501
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

