

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051923\
 Data File : VD076157.D
 Acq On : 19 May 2023 15:12
 Operator : KP/SY
 Sample : 02807-01
 Misc : 5.04G/5.01ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 360

Quant Time: May 22 01:29:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

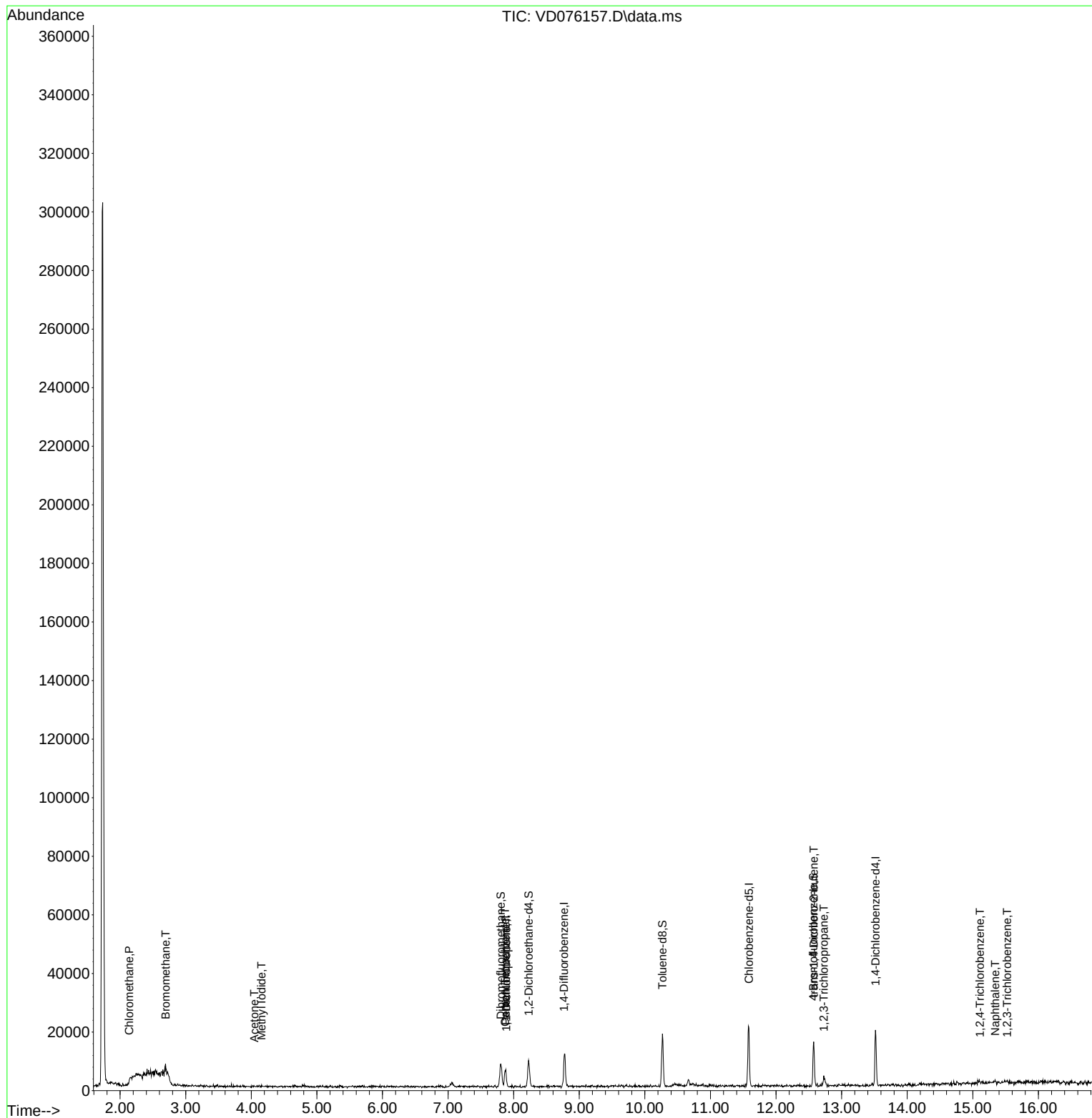
Internal Standards						
1) Pentafluorobenzene	7.881	168	6101	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.769	114	12213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	13296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	5785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	6757	114.594	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 229.180%#	
35) Dibromofluoromethane	7.804	113	6512	77.140	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 154.280%#	
50) Toluene-d8	10.269	98	13456	40.889	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 81.780%	
62) 4-Bromofluorobenzene	12.569	95	5086	55.636	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.280%	
Target Compounds						
						Qvalue
3) Chloromethane	2.140	50	594	2.341	ug/l	99
5) Bromomethane	2.693	94	1658	20.753	ug/l	97
10) Methyl Iodide	4.158	142	75	1.089	ug/l #	38
16) Acetone	4.046	43	54	4.603	ug/l #	44
20) Methylene Chloride	4.793	84	244	Below Cal	#	43
36) 1,1-Dichloropropene	7.887	75	254	2.228	ug/l #	42
38) Carbon Tetrachloride	7.869	117	545	5.292	ug/l #	13
76) 1,2,3-Trichloropropane	12.728	75	87	1.719	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	2403	99.580	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.110	180	412	3.892	ug/l #	73
95) Naphthalene	15.339	128	1292	6.568	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.522	180	459	4.767	ug/l #	59

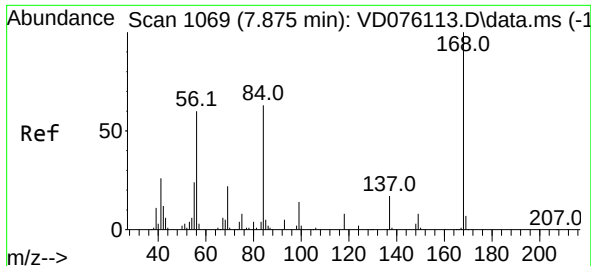
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051923\
Data File : VD076157.D
Acq On : 19 May 2023 15:12
Operator : KP/SY
Sample : 02807-01
Misc : 5.04G/5.01ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
360

Quant Time: May 22 01:29:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
Quant Title : SW846 8260
QLast Update : Tue May 16 10:08:53 2023
Response via : Initial Calibration

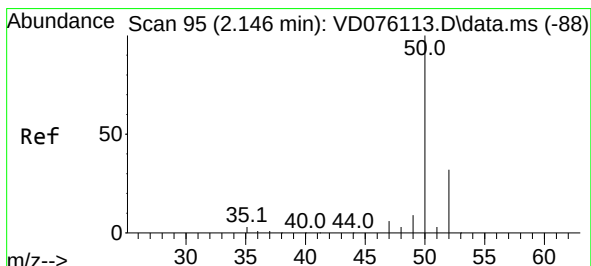
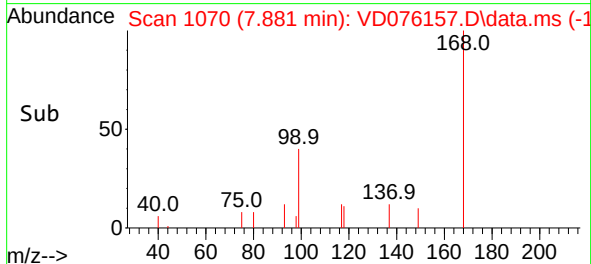
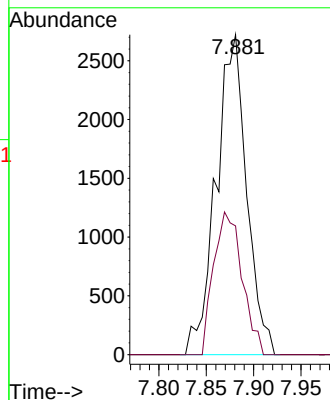
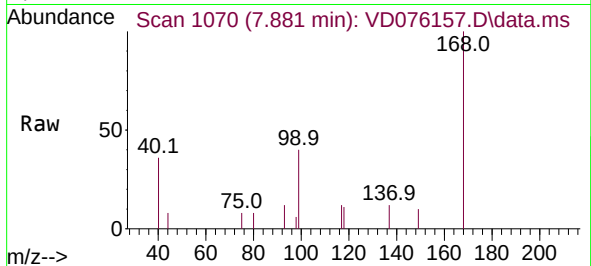




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD076157.D
Acq: 19 May 2023 15:12

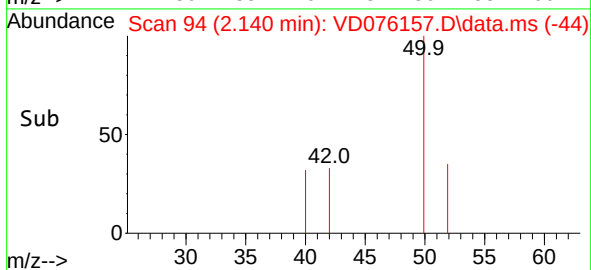
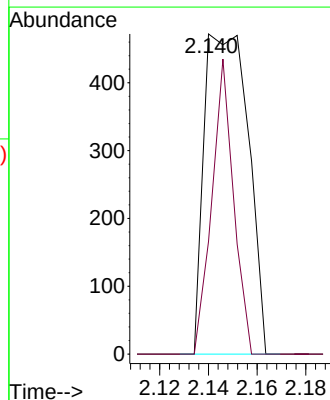
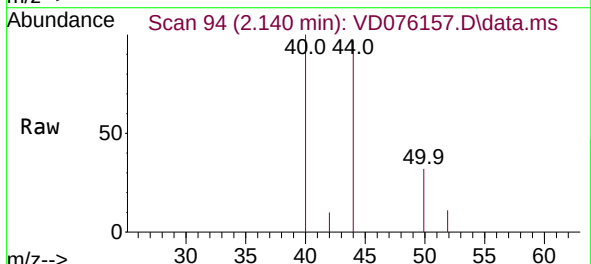
Instrument :
MSVOA_D
ClientSampleId :
360

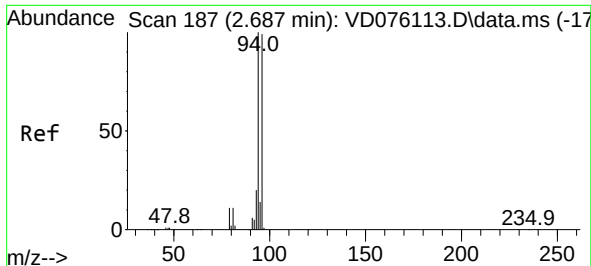
Tgt Ion:168 Resp: 6101
Ion Ratio Lower Upper
168 100
99 40.2 43.8 65.6#



#3
Chloromethane
Concen: 2.341 ug/l
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD076157.D
Acq: 19 May 2023 15:12

Tgt Ion: 50 Resp: 594
Ion Ratio Lower Upper
50 100
52 35.2 27.8 41.8

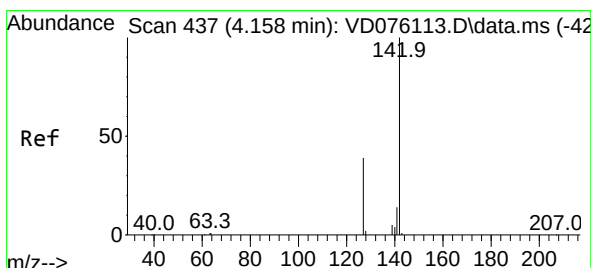
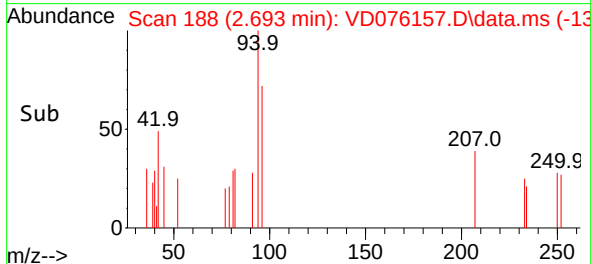
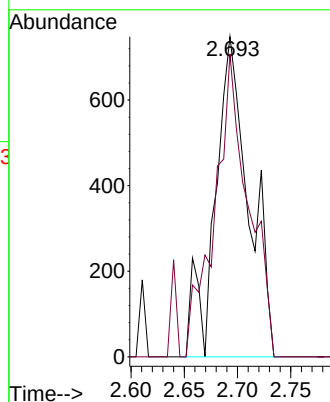
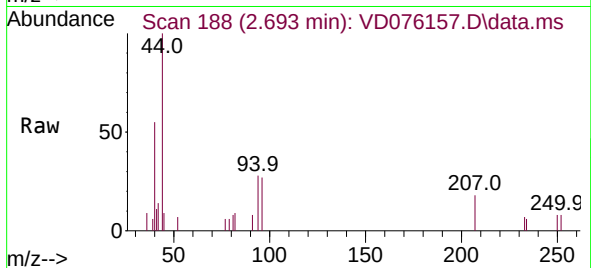




#5
Bromomethane
Concen: 20.753 ug/l
RT: 2.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD076157.D
Acq: 19 May 2023 15:12

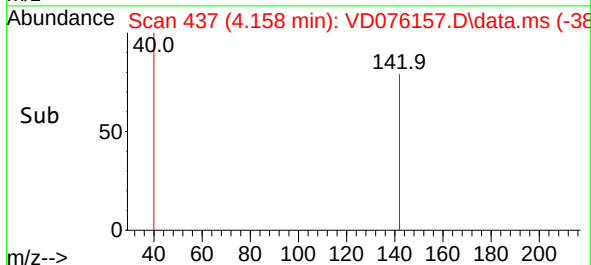
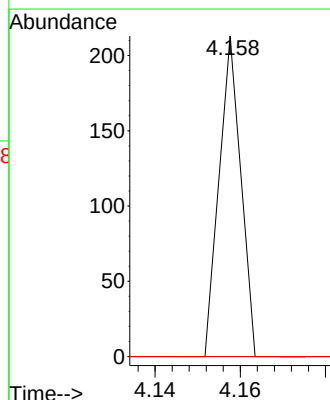
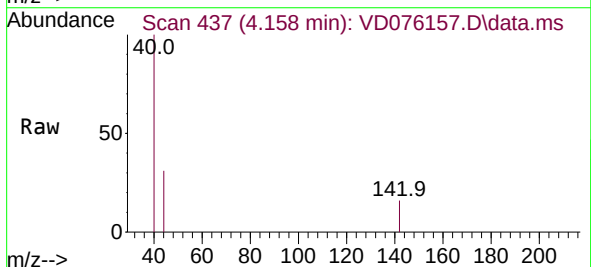
Instrument :
MSVOA_D
ClientSampleId :
360

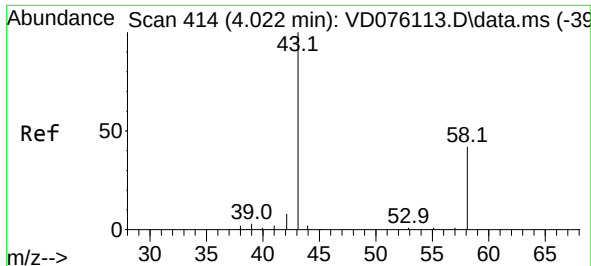
Tgt Ion: 94 Resp: 1658
Ion Ratio Lower Upper
94 100
96 94.3 77.5 116.3



#10
Methyl Iodide
Concen: 1.089 ug/l
RT: 4.158 min Scan# 437
Delta R.T. -0.006 min
Lab File: VD076157.D
Acq: 19 May 2023 15:12

Tgt Ion:142 Resp: 75
Ion Ratio Lower Upper
142 100
127 0.0 37.1 55.7#
141 0.0 11.3 16.9#

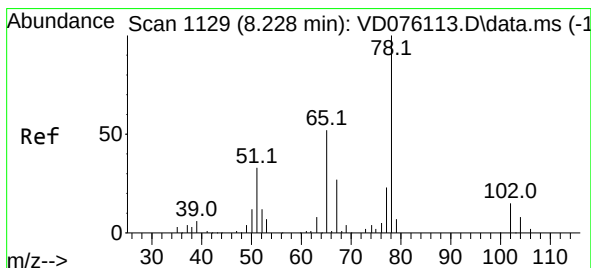
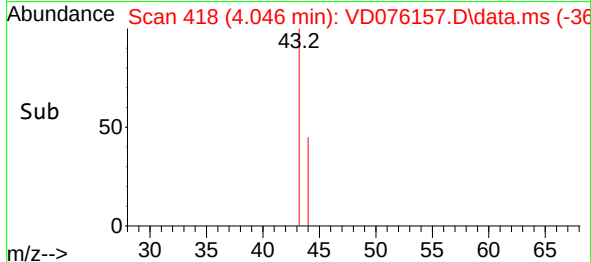
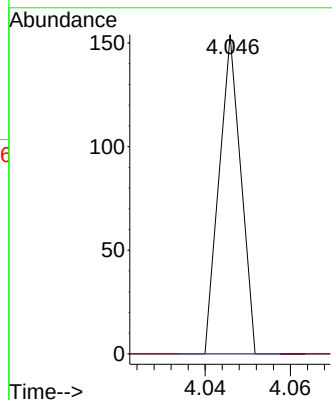
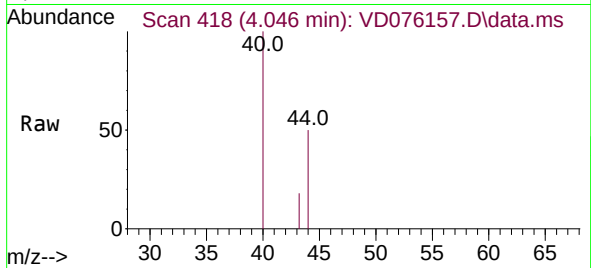




#16
Acetone
Concen: 4.603 ug/l
RT: 4.046 min Scan# 414
Delta R.T. 0.024 min
Lab File: VD076157.D
Acq: 19 May 2023 15:12

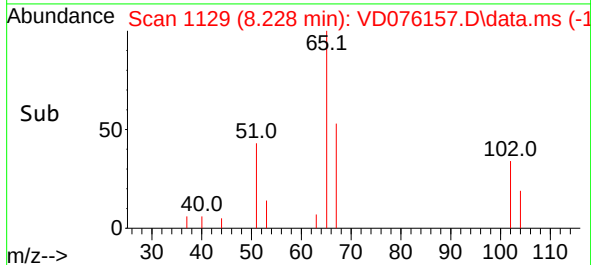
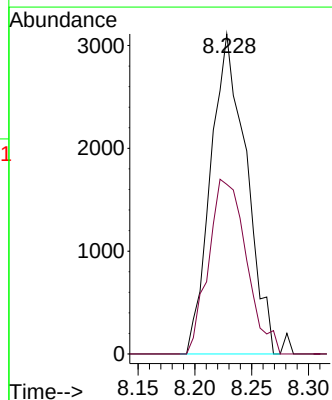
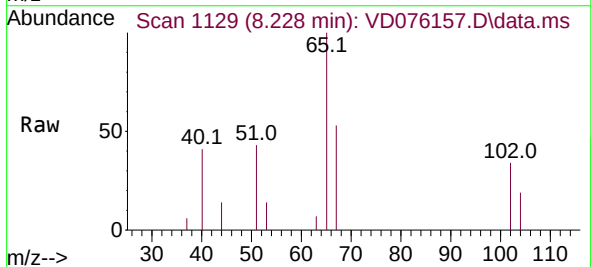
Instrument :
MSVOA_D
ClientSampleId :
360

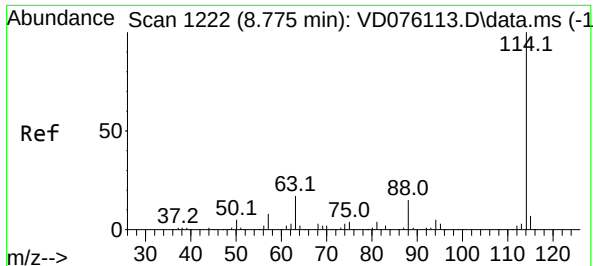
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#33
1,2-Dichloroethane-d4
Concen: 114.594 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076157.D
Acq: 19 May 2023 15:12

Tgt Ion: 65 Resp: 6757
Ion Ratio Lower Upper
65 100
67 58.1 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD076157.D

Acq: 19 May 2023 15:12

Instrument :

MSVOA_D

ClientSampleId :

360

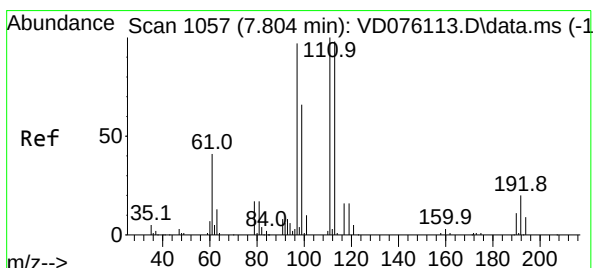
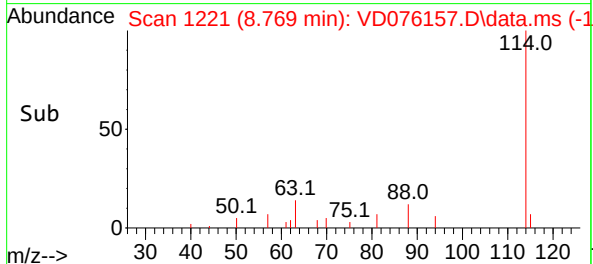
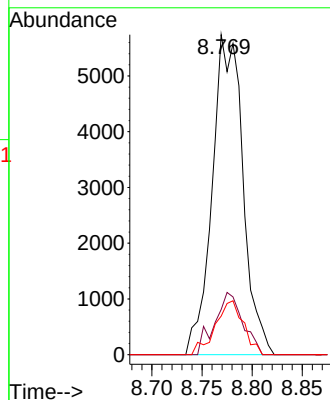
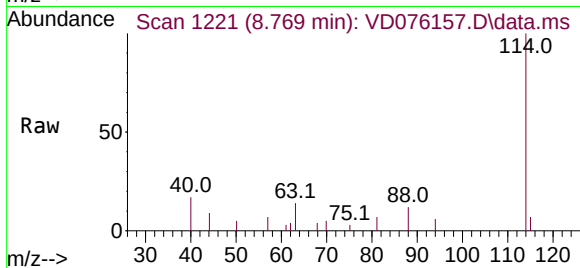
Tgt Ion:114 Resp: 12213

Ion Ratio Lower Upper

114 100

63 14.1 0.0 41.6

88 12.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 77.140 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076157.D

Acq: 19 May 2023 15:12

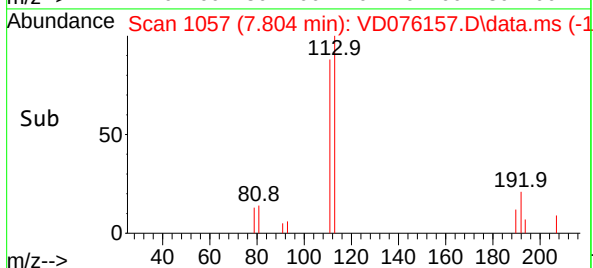
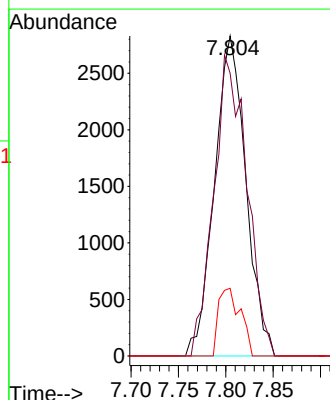
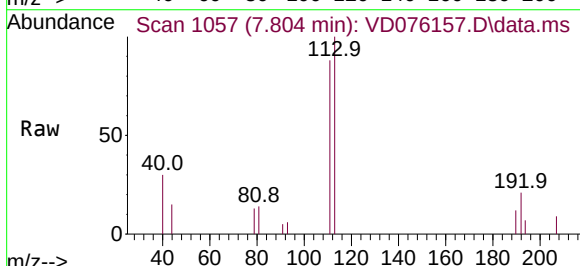
Tgt Ion:113 Resp: 6512

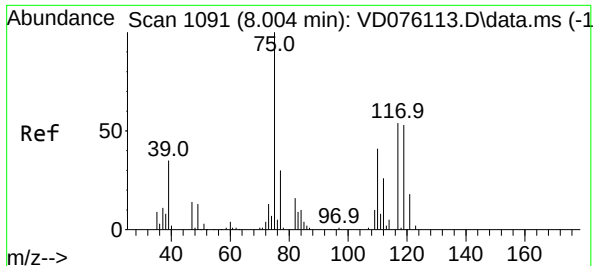
Ion Ratio Lower Upper

113 100

111 99.0 81.4 122.0

192 14.7 15.2 22.8#





#36

1,1-Dichloropropene

Concen: 2.228 ug/l

RT: 7.887 min Scan# 1071

Delta R.T. -0.123 min

Lab File: VD076157.D

Acq: 19 May 2023 15:12

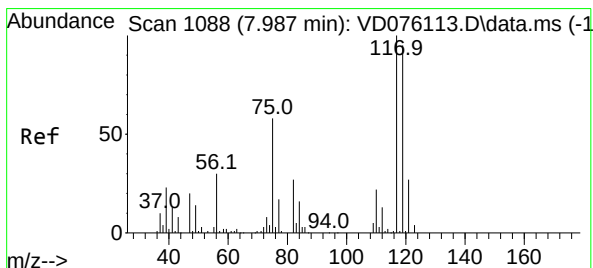
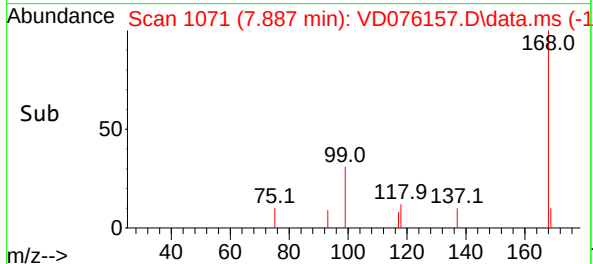
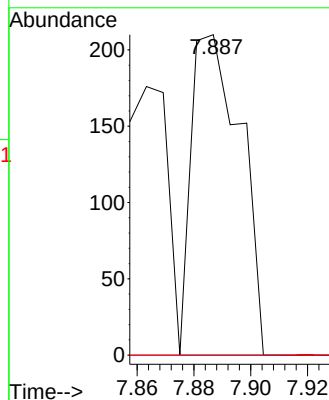
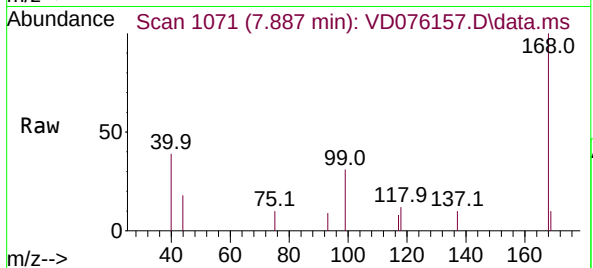
Instrument :

MSVOA_D

ClientSampleId :

360

Tgt Ion: 75	Resp: 254
Ion Ratio	Lower Upper
75 100	
110 0.0	17.1 51.2#
77 0.0	24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.292 ug/l

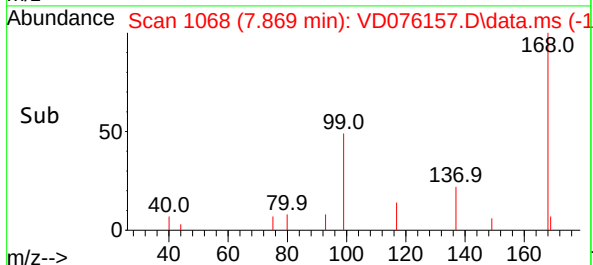
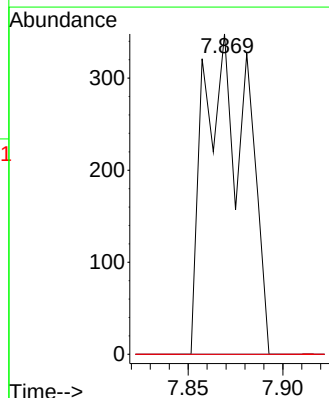
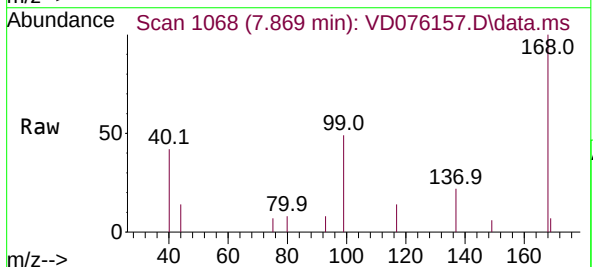
RT: 7.869 min Scan# 1068

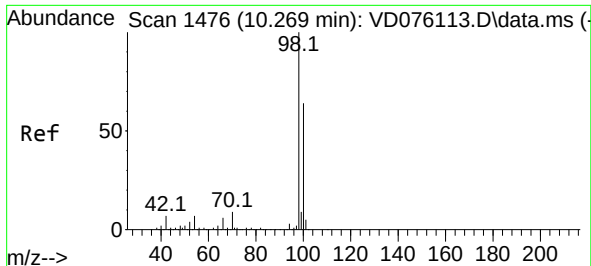
Delta R.T. -0.124 min

Lab File: VD076157.D

Acq: 19 May 2023 15:12

Tgt Ion: 117	Resp: 545
Ion Ratio	Lower Upper
117 100	
119 0.0	74.7 112.1#
121 0.0	25.9 38.9#

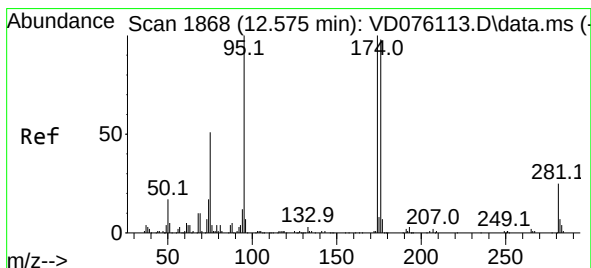
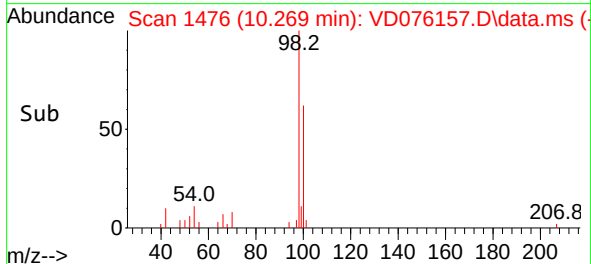
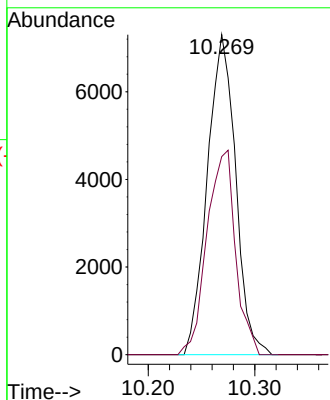
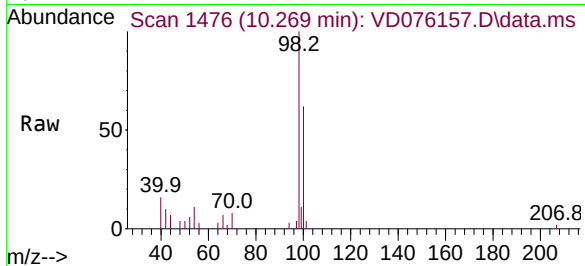




#50
Toluene-d8
Concen: 40.889 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076157.D
Acq: 19 May 2023 15:12

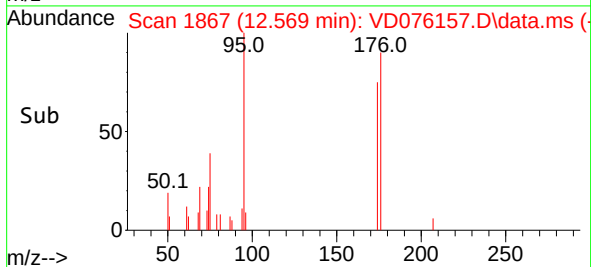
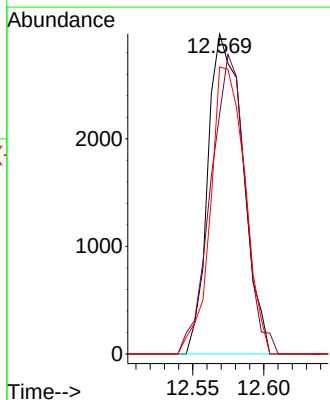
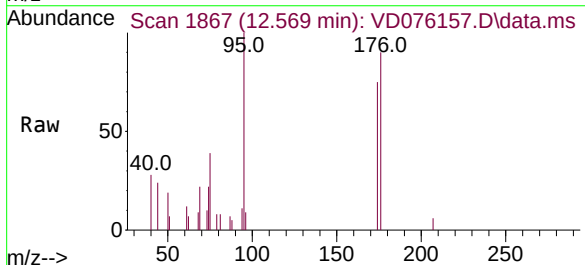
Instrument :
MSVOA_D
ClientSampleId :
360

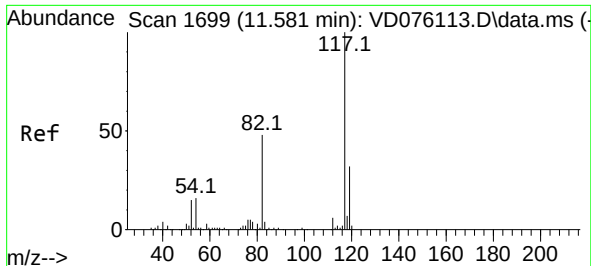
Tgt Ion: 98 Resp: 13456
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 55.636 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD076157.D
Acq: 19 May 2023 15:12

Tgt Ion: 95 Resp: 5086
Ion Ratio Lower Upper
95 100
174 92.4 0.0 164.0
176 88.4 0.0 156.8

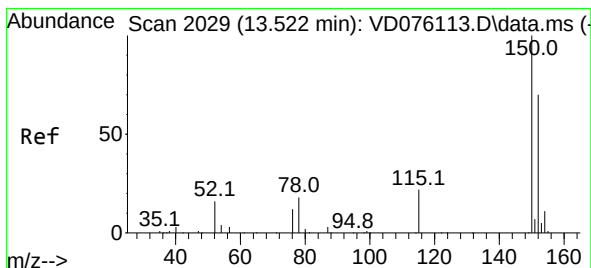
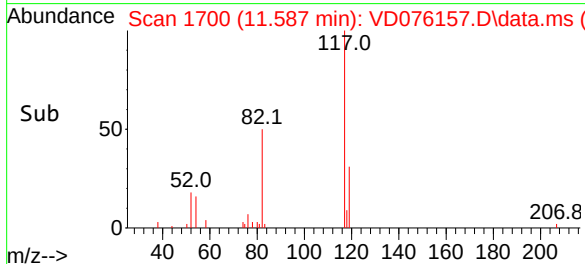
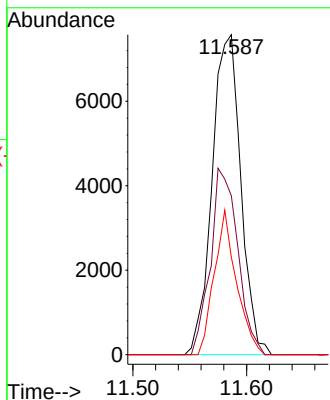
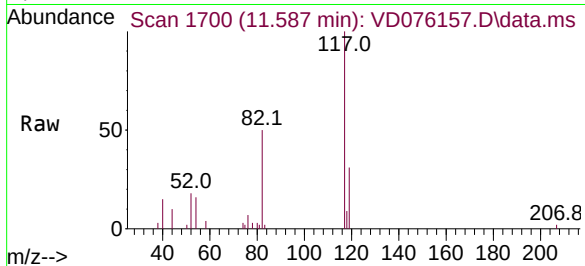




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD076157.D
Acq: 19 May 2023 15:12

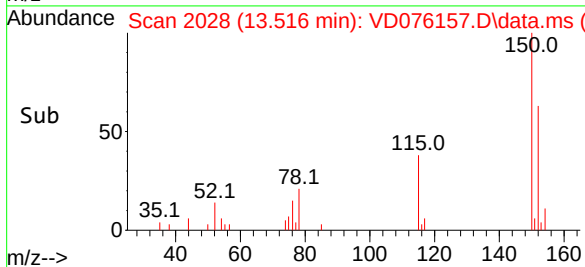
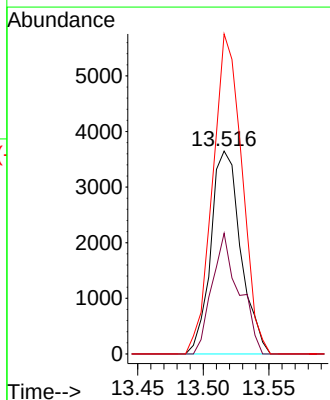
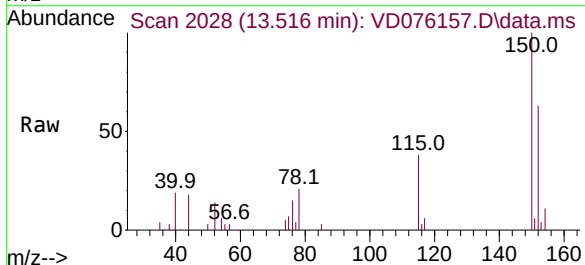
Instrument :
MSVOA_D
ClientSampleId :
360

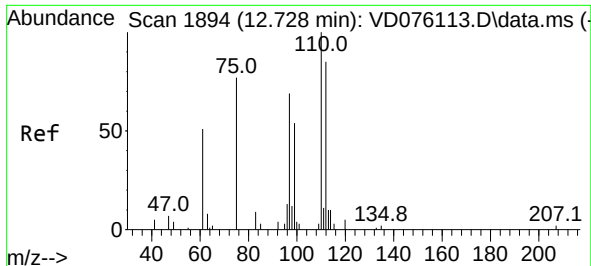
Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.7	44.0	66.0
119	30.5	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076157.D
Acq: 19 May 2023 15:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	30.1	90.3
150	154.6	0.0	364.8

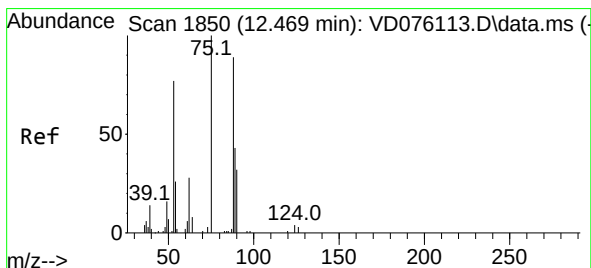
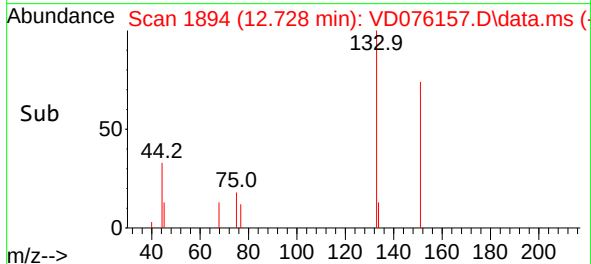
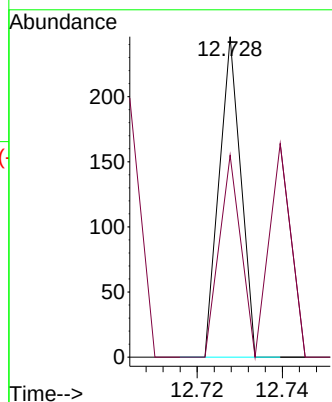
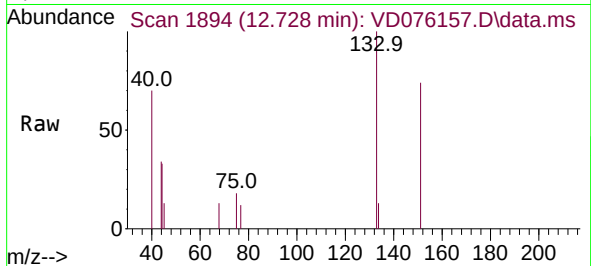




#76
1,2,3-Trichloropropane
Concen: 1.719 ug/l
RT: 12.728 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD076157.D
Acq: 19 May 2023 15:12

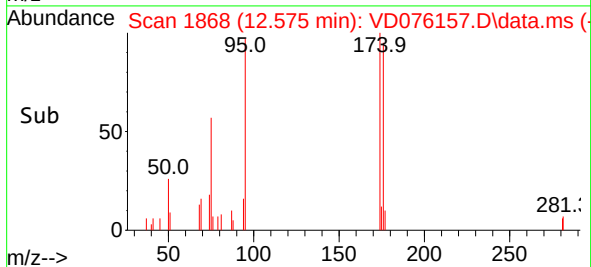
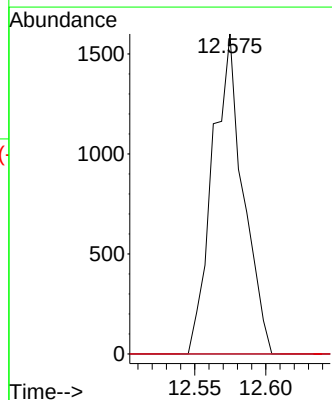
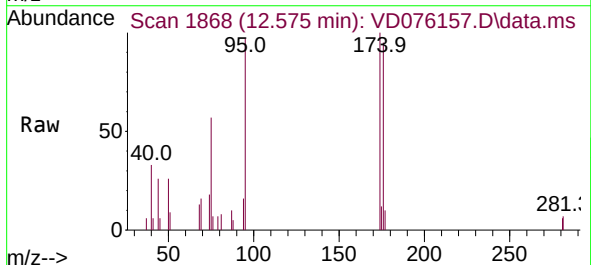
Instrument :
MSVOA_D
ClientSampleId :
360

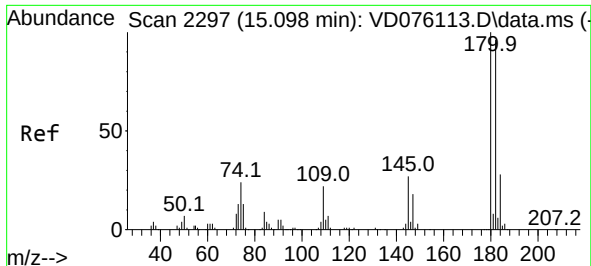
Tgt Ion: 75 Resp: 87
Ion Ratio Lower Upper
75 100
77 129.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.580 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD076157.D
Acq: 19 May 2023 15:12

Tgt Ion: 75 Resp: 2403
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#

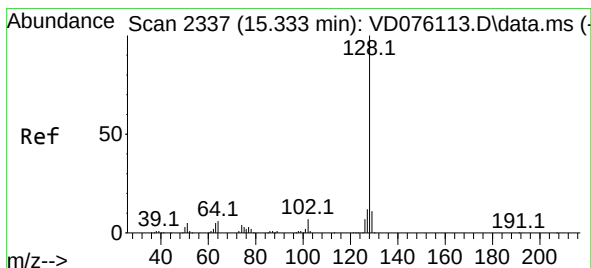
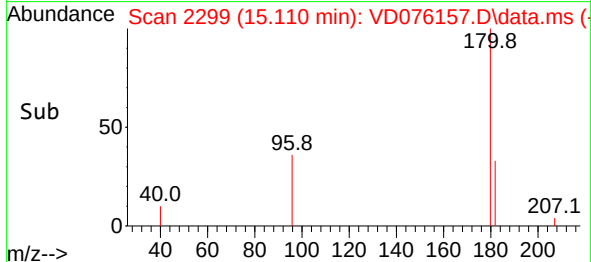
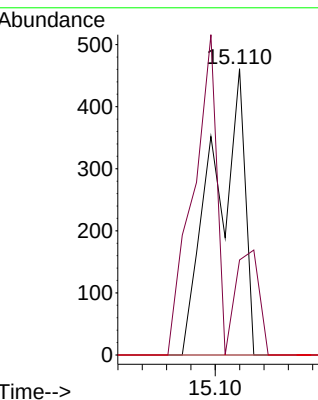
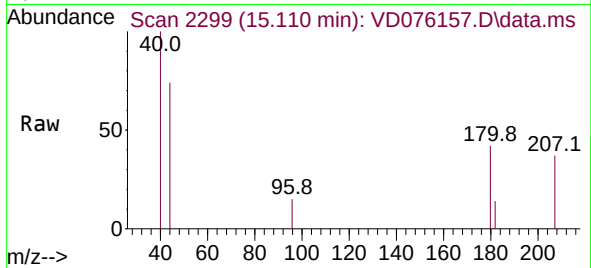




#93
1,2,4-Trichlorobenzene
Concen: 3.892 ug/l
RT: 15.110 min Scan# 2299
Delta R.T. 0.006 min
Lab File: VD076157.D
Acq: 19 May 2023 15:12

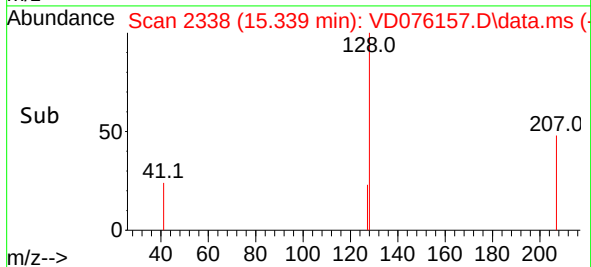
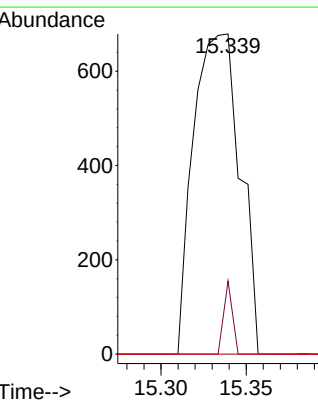
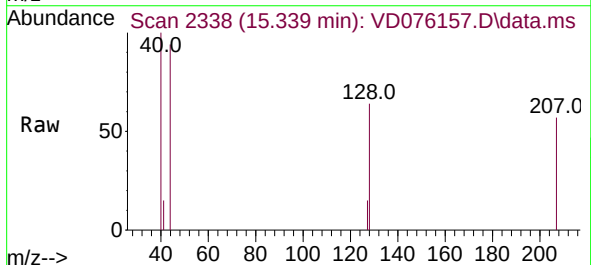
Instrument :
MSVOA_D
ClientSampleId :
360

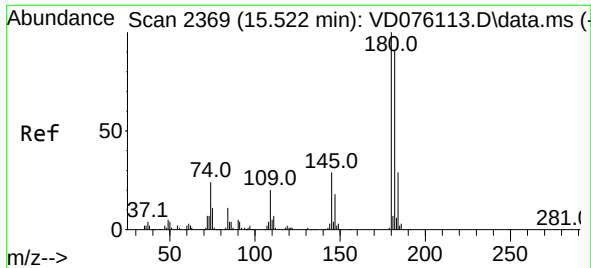
Tgt Ion:180 Resp: 412
Ion Ratio Lower Upper
180 100
182 112.1 47.9 143.7
145 0.0 15.9 47.7#



#95
Naphthalene
Concen: 6.568 ug/l
RT: 15.339 min Scan# 2338
Delta R.T. 0.005 min
Lab File: VD076157.D
Acq: 19 May 2023 15:12

Tgt Ion:128 Resp: 1292
Ion Ratio Lower Upper
128 100
127 4.3 10.4 15.6#
129 0.0 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 4.767 ug/l
 RT: 15.522 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VD076157.D
 Acq: 19 May 2023 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 360

Tgt Ion:180 Resp: 459
 Ion Ratio Lower Upper
 180 100
 182 61.0 47.7 143.1
 145 0.0 16.4 49.4#

