

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051722\
 Data File : VD073067.D
 Acq On : 17 May 2022 20:04
 Operator : VA/SY
 Sample : N2827-01
 Misc : 5.10 G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 18 05:10:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

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

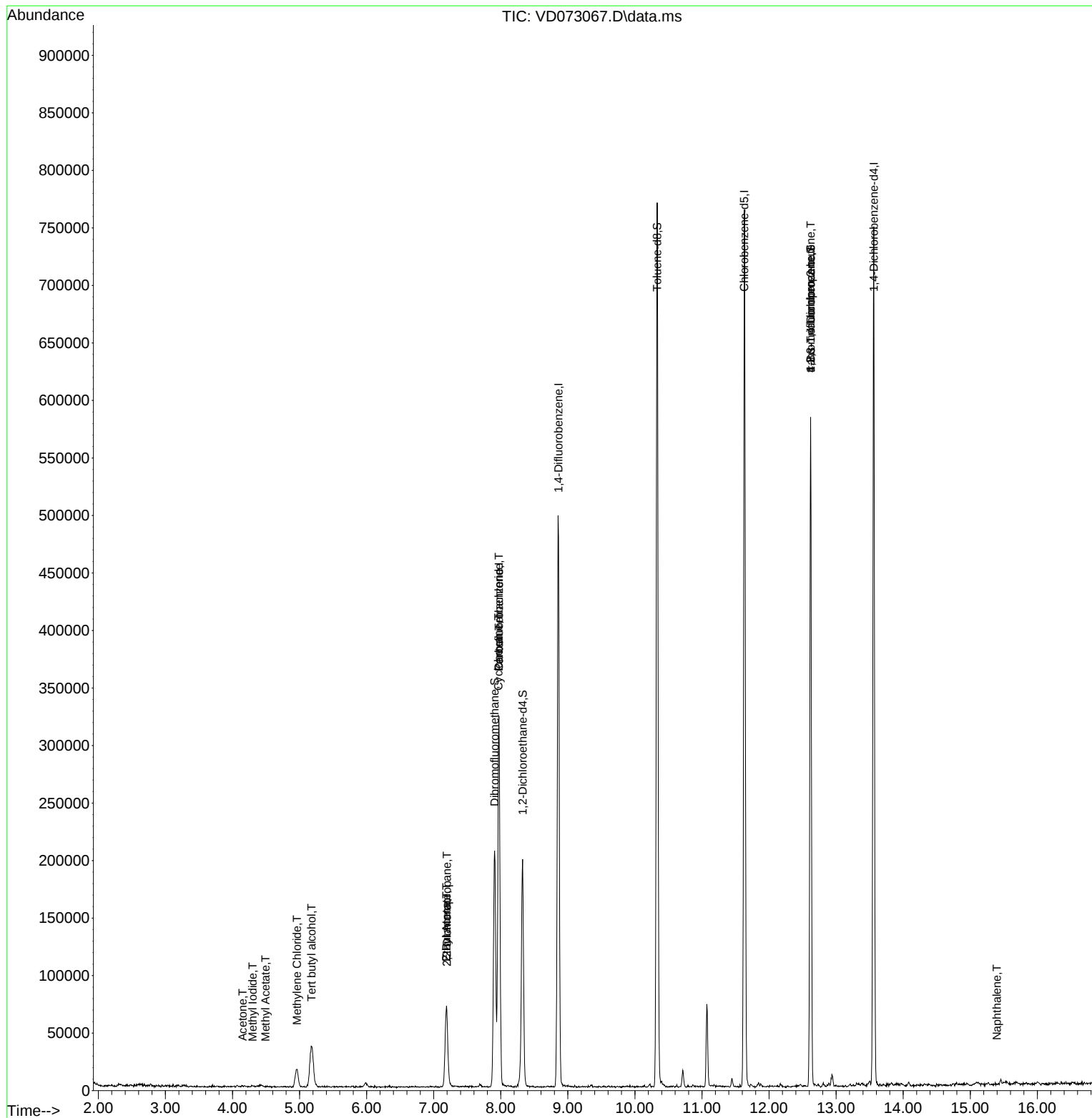
Internal Standards						
1) Pentafluorobenzene	7.973	168	227987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	417256	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	435277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	191058	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	154624	54.232	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.460%			
35) Dibromofluoromethane	7.908	113	150748	51.457	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.920%			
50) Toluene-d8	10.332	98	514572	48.416	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.840%			
62) 4-Bromofluorobenzene	12.620	95	190583	49.509	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.020%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	1471	4.674	ug/l #	62
11) Tert butyl alcohol	5.179	59	33965	77.017	ug/l #	74
16) Acetone	4.150	43	1205	2.335	ug/l	93
18) Methyl Acetate	4.491	43	65	1.500	ug/l #	55
20) Methylene Chloride	4.962	84	12152	3.245	ug/l #	79
25) 2-Butanone	7.191	43	3496	4.475	ug/l	97
26) 2,2-Dichloropropane	7.197	77	5350	1.128	ug/l #	54
31) Cyclohexane	7.967	56	6183	1.204	ug/l #	45
37) Ethyl Acetate	7.191	43	3496	1.744	ug/l #	1
38) Carbon Tetrachloride	7.973	117	24505	5.018	ug/l #	17
76) 1,2,3-Trichloropropane	12.620	75	94452	43.732	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	94452	104.859	ug/l #	7
95) Naphthalene	15.396	128	289	4.296	ug/l #	80

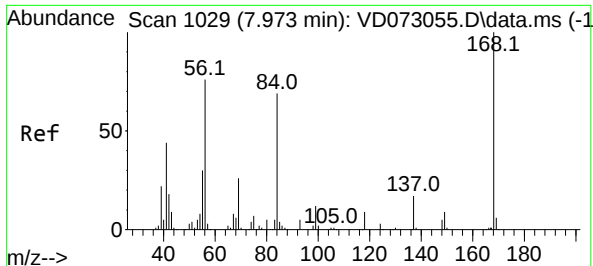
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 18 05:10:56 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
Quant Title : SW846 8260
QLast Update : Wed May 18 04:58:34 2022
Response via : Initial Calibration

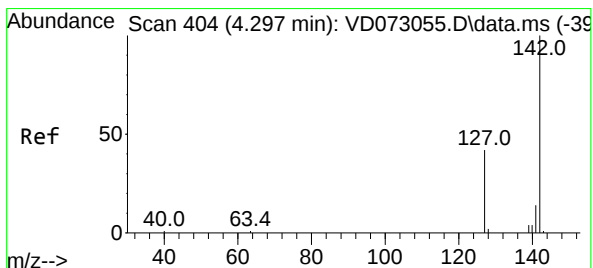
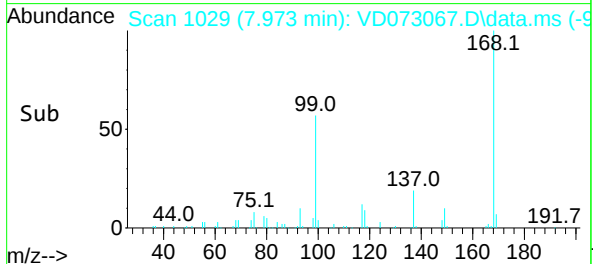
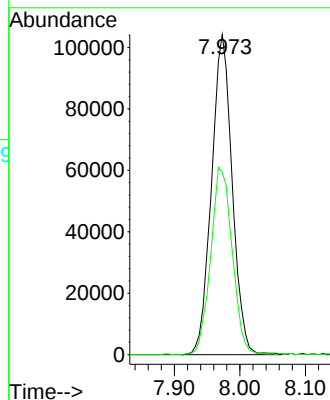
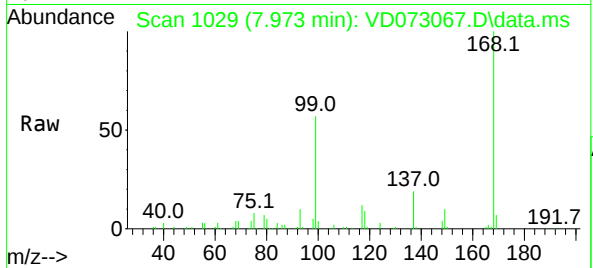




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073067.D
Acq: 17 May 2022 20:04

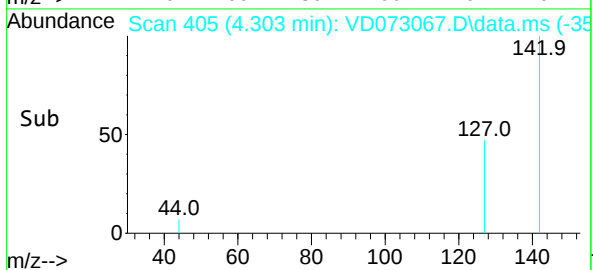
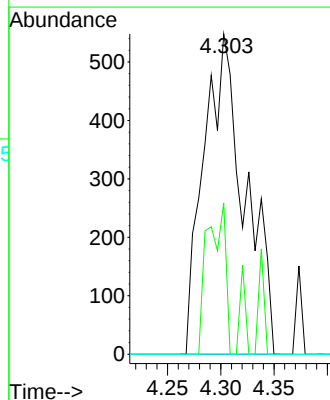
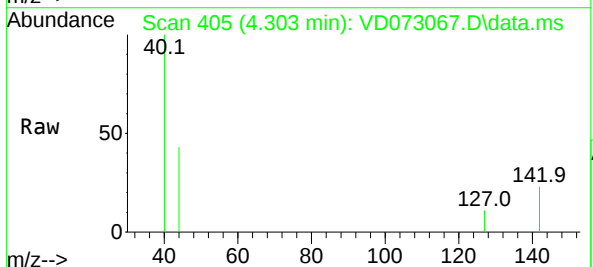
Instrument :
MSVOA_D
ClientSampleId :

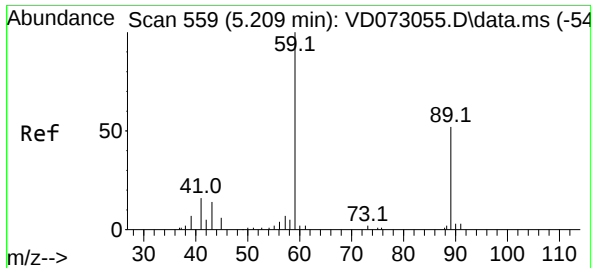
Tgt Ion:168 Resp: 227987
Ion Ratio Lower Upper
168 100
99 57.0 49.8 74.6



#10
Methyl Iodide
Concen: 4.674 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD073067.D
Acq: 17 May 2022 20:04

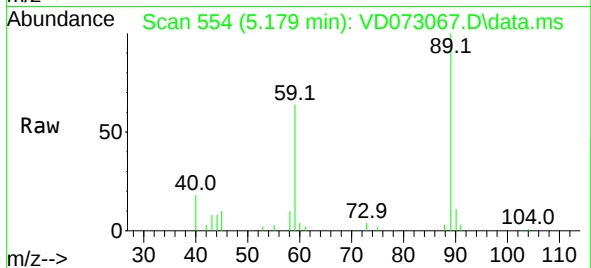
Tgt Ion:142 Resp: 1471
Ion Ratio Lower Upper
142 100
127 20.7 37.3 55.9#
141 0.0 11.7 17.5#



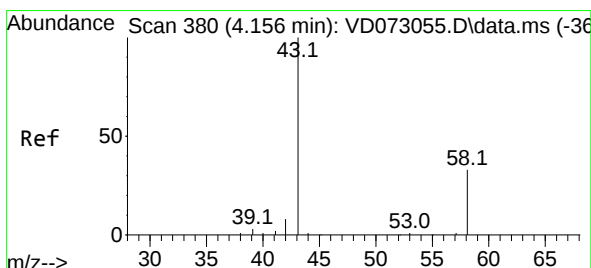
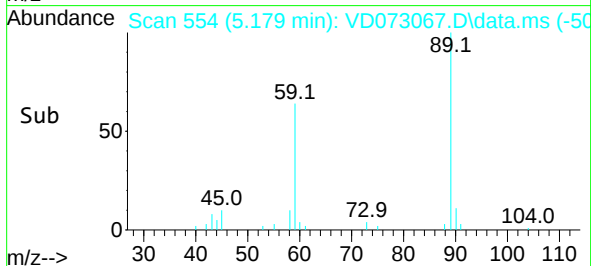
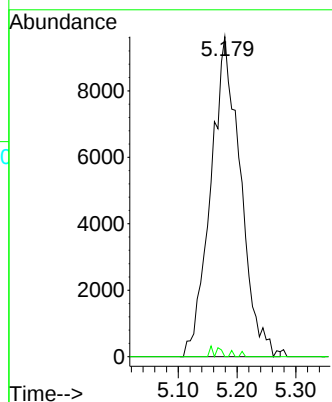


#11
Tert butyl alcohol
Concen: 77.017 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073067.D
Acq: 17 May 2022 20:04

Instrument :
MSVOA_D
ClientSampleId :

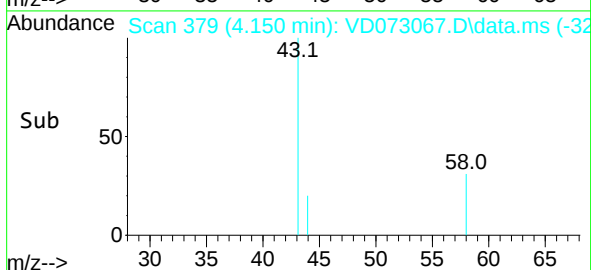
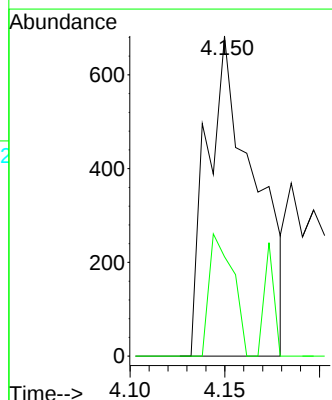
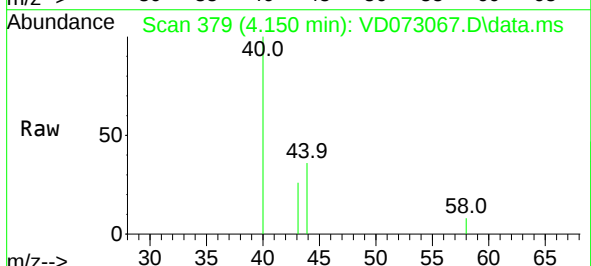


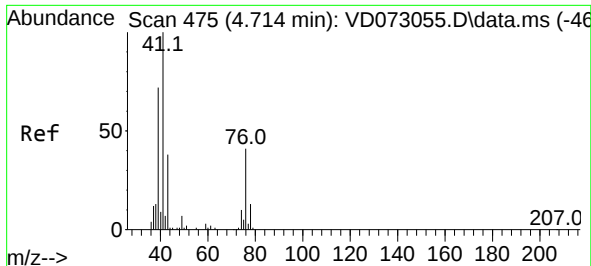
Tgt Ion: 59 Resp: 33965
Ion Ratio Lower Upper
59 100
57 0.2 7.8 11.6#



#16
Acetone
Concen: 2.335 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD073067.D
Acq: 17 May 2022 20:04

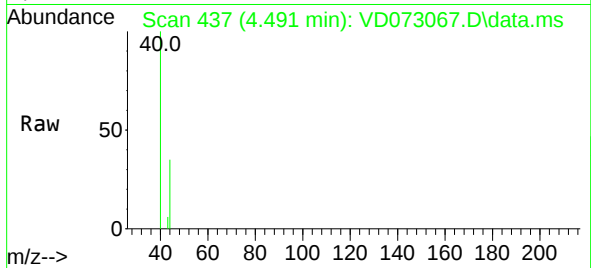
Tgt Ion: 43 Resp: 1205
Ion Ratio Lower Upper
43 100
58 31.0 22.1 33.1



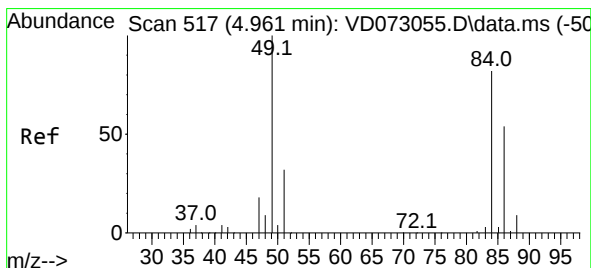
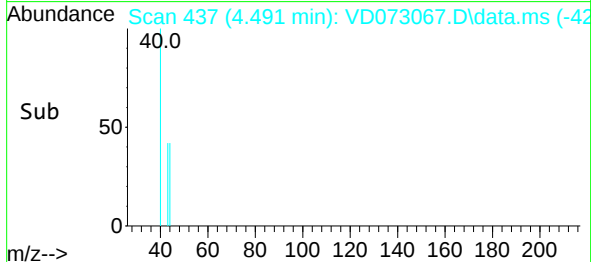
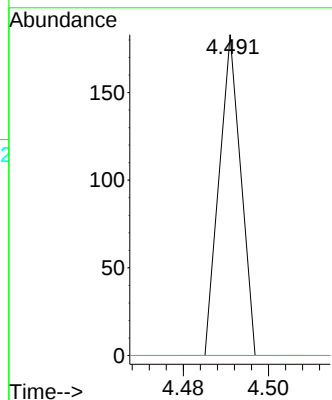


#18
Methyl Acetate
Concen: 1.500 ug/l
RT: 4.491 min Scan# 41
Delta R.T. -0.223 min
Lab File: VD073067.D
Acq: 17 May 2022 20:04

Instrument :
MSVOA_D
ClientSampleId :

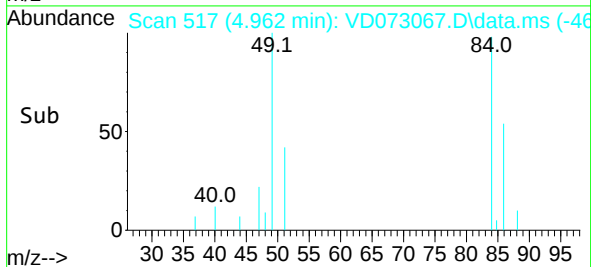
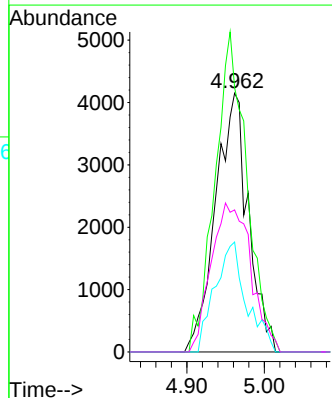
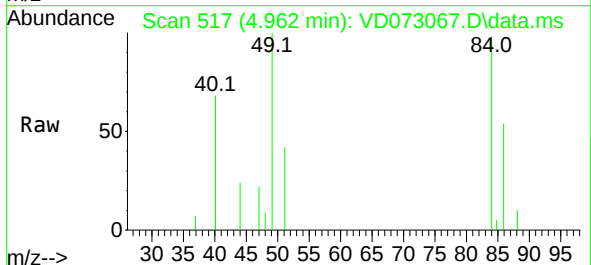


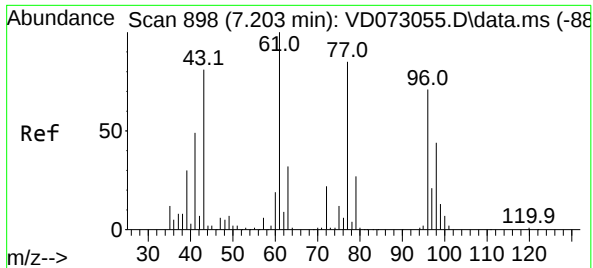
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 3.245 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD073067.D
Acq: 17 May 2022 20:04

Tgt Ion: 84 Resp: 12152
Ion Ratio Lower Upper
84 100
49 102.1 112.8 169.2#
51 42.5 32.6 48.8
86 54.9 47.9 71.9

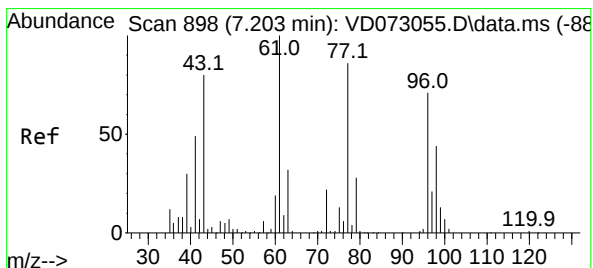
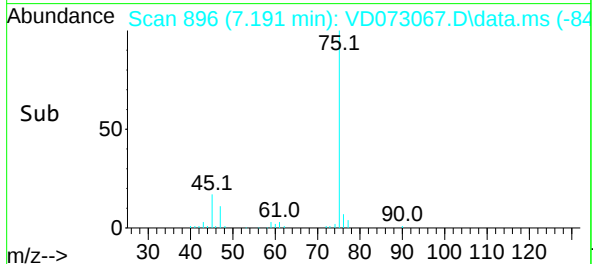
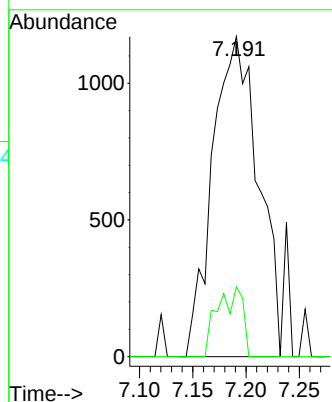
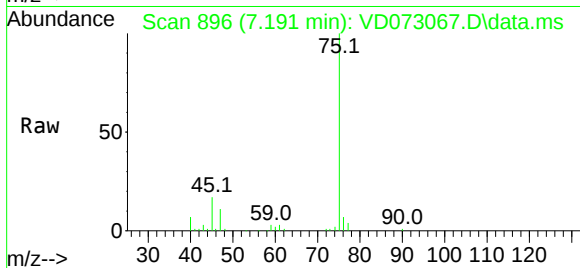




#25
2-Butanone
Concen: 4.475 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.012 min
Lab File: VD073067.D
Acq: 17 May 2022 20:04

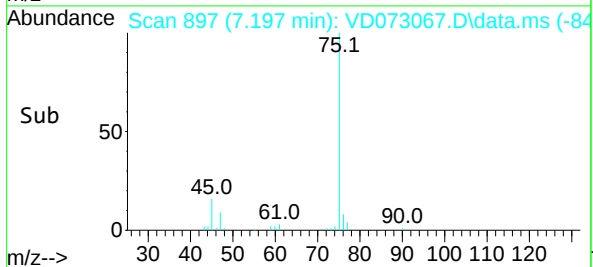
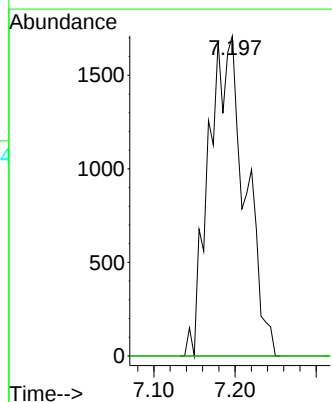
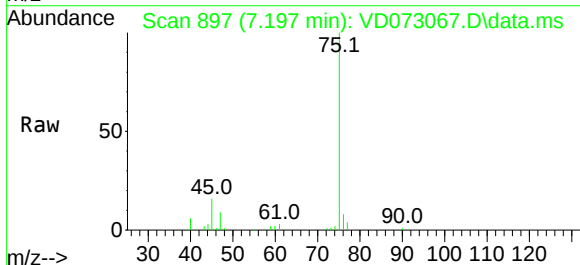
Instrument :
MSVOA_D
ClientSampleId :

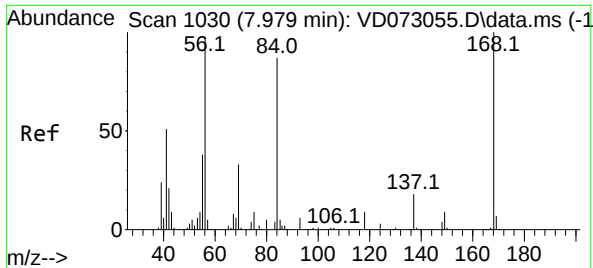
Tgt Ion: 43 Resp: 3496
Ion Ratio Lower Upper
43 100
72 21.9 18.6 27.8



#26
2,2-Dichloropropane
Concen: 1.128 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.006 min
Lab File: VD073067.D
Acq: 17 May 2022 20:04

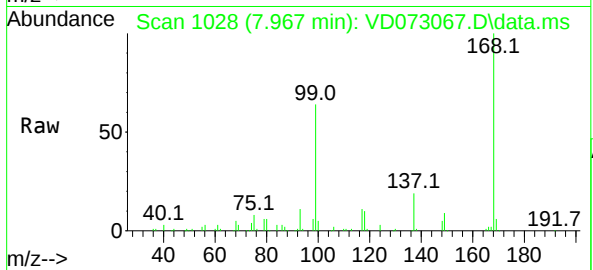
Tgt Ion: 77 Resp: 5350
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.4#



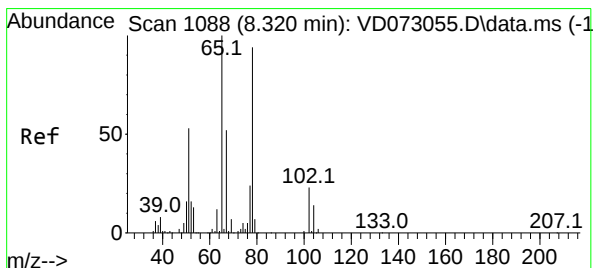
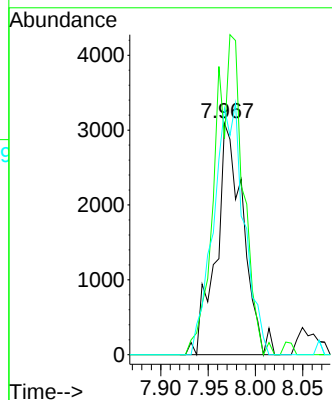
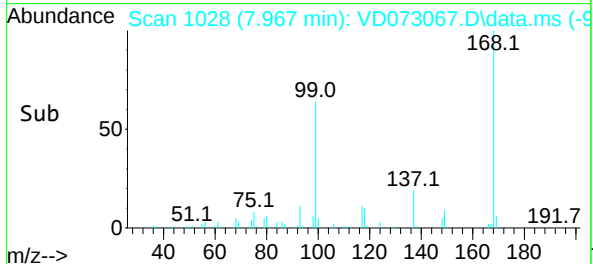


#31
Cyclohexane
Concen: 1.204 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073067.D
Acq: 17 May 2022 20:04

Instrument :
MSVOA_D
ClientSampleId :

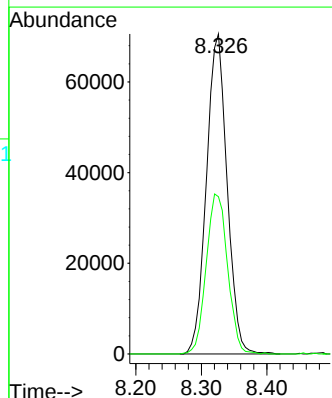
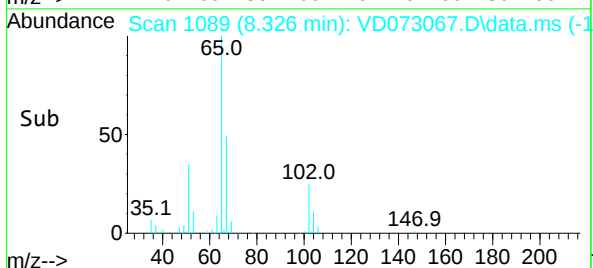
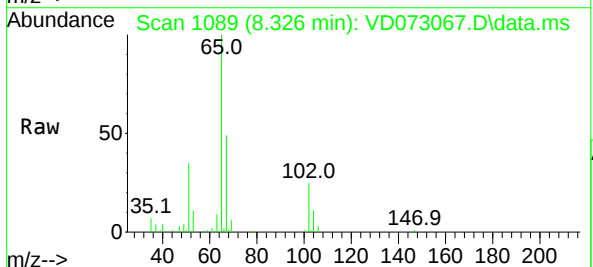


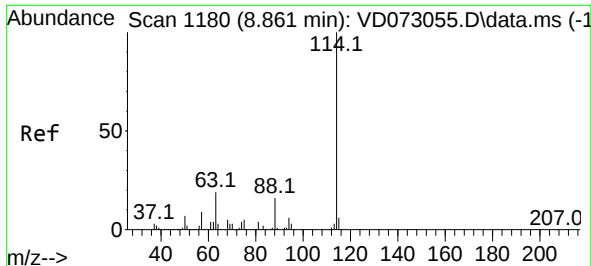
Tgt Ion: 56 Resp: 6183
Ion Ratio Lower Upper
56 100
69 93.4 25.4 38.2#
84 106.5 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 54.232 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD073067.D
Acq: 17 May 2022 20:04

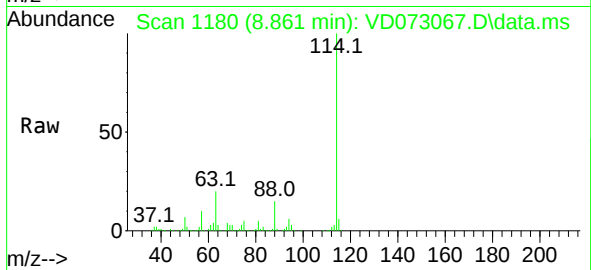
Tgt Ion: 65 Resp: 154624
Ion Ratio Lower Upper
65 100
67 51.7 0.0 101.4



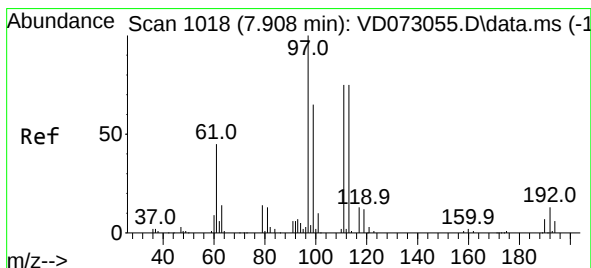
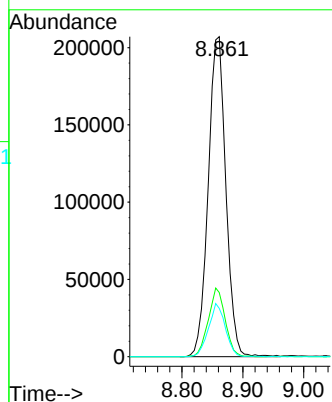
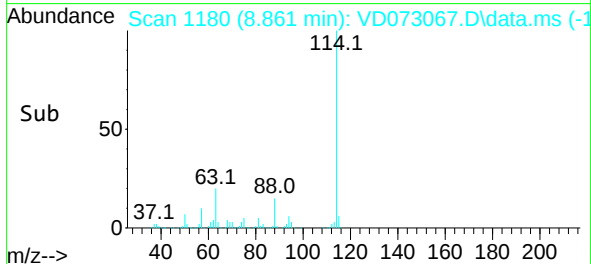


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD073067.D
Acq: 17 May 2022 20:04

Instrument :
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ClientSampleId :

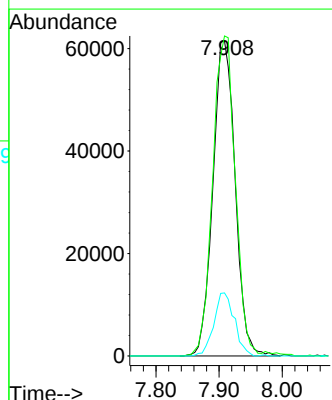
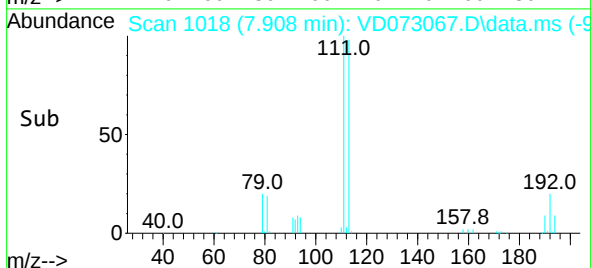
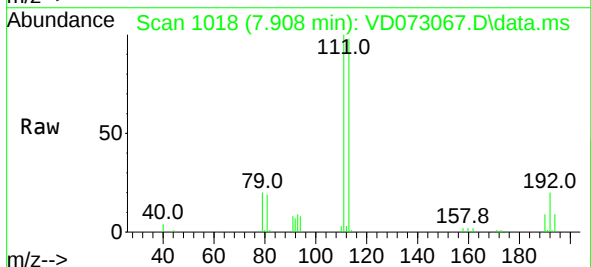


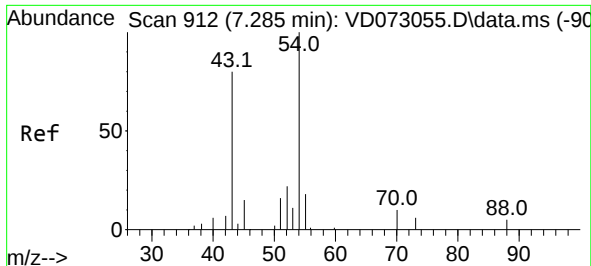
Tgt Ion:114 Resp: 417256
Ion Ratio Lower Upper
114 100
63 20.0 0.0 46.6
88 15.1 0.0 33.2



#35
Dibromofluoromethane
Concen: 51.457 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD073067.D
Acq: 17 May 2022 20:04

Tgt Ion:113 Resp: 150748
Ion Ratio Lower Upper
113 100
111 102.8 83.8 125.6
192 18.4 14.6 21.8





#37

Ethyl Acetate

Concen: 1.744 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.094 min

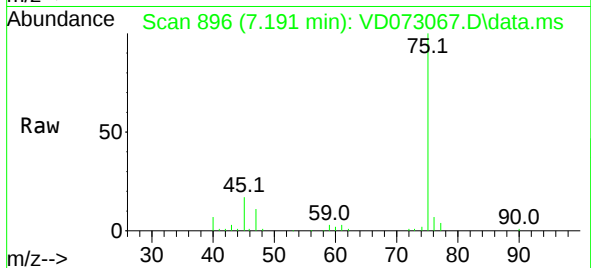
Lab File: VD073067.D

Acq: 17 May 2022 20:04

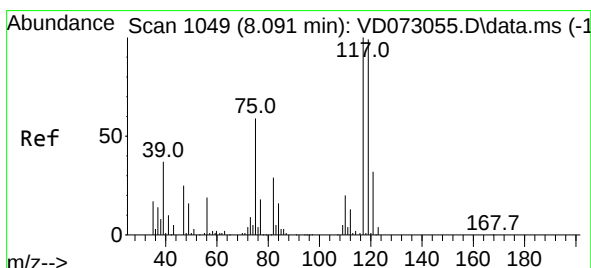
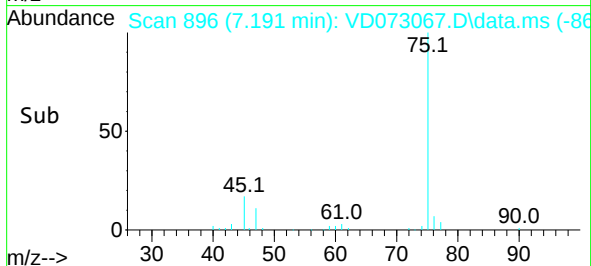
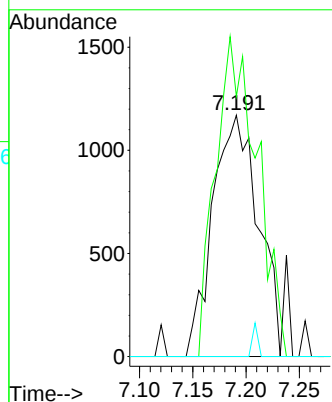
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	43	Resp:	3496
Ion	Ratio	Lower	Upper
43	100		
61	120.7	9.8	14.8#
70	0.0	6.9	10.3#



#38

Carbon Tetrachloride

Concen: 5.018 ug/l

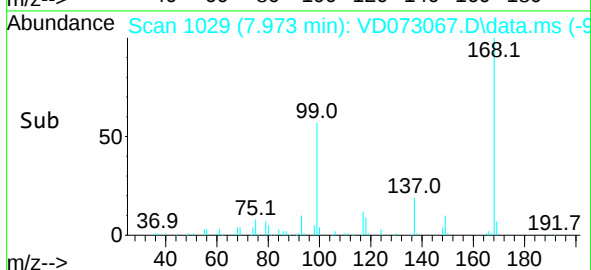
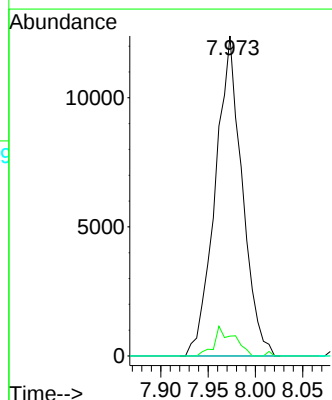
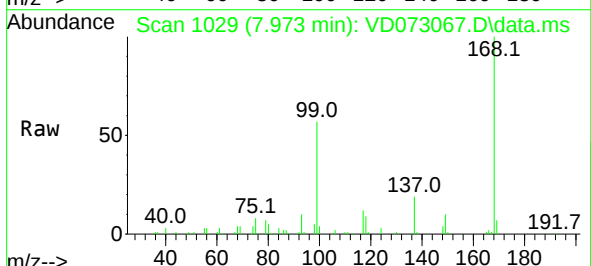
RT: 7.973 min Scan# 1029

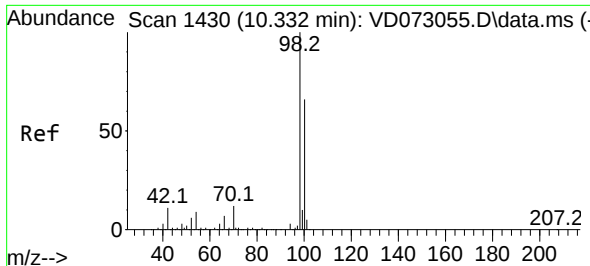
Delta R.T. -0.118 min

Lab File: VD073067.D

Acq: 17 May 2022 20:04

Tgt Ion:	117	Resp:	24505
Ion	Ratio	Lower	Upper
117	100		
119	6.2	75.8	113.6#
121	0.0	24.5	36.7#

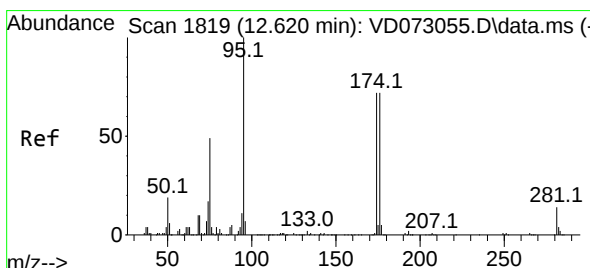
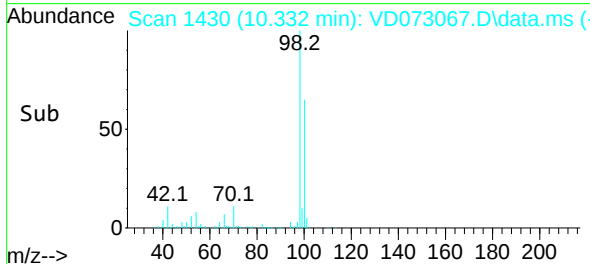
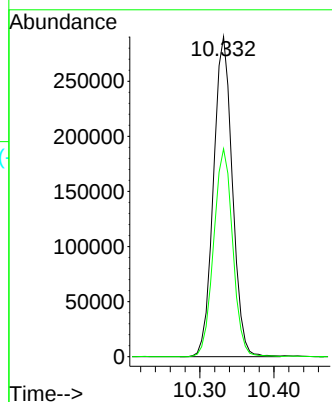
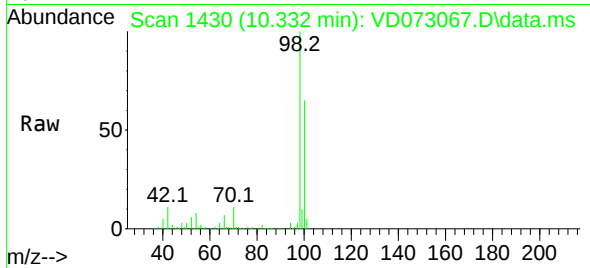




#50
Toluene-d8
Concen: 48.416 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073067.D
Acq: 17 May 2022 20:04

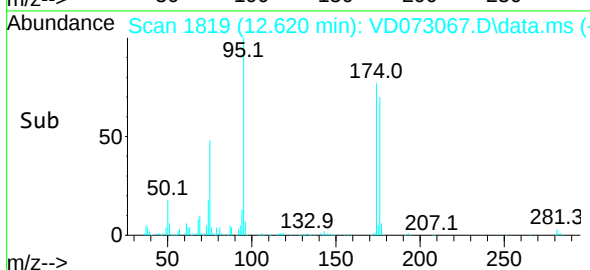
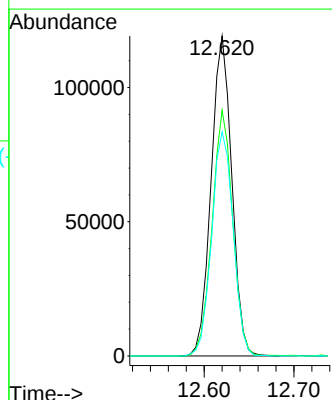
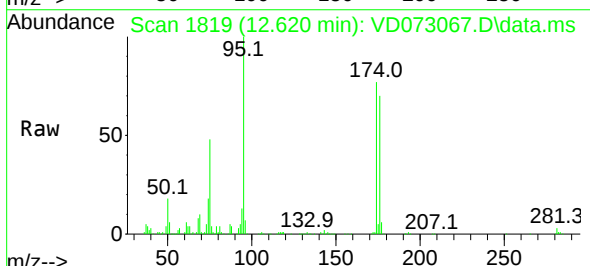
Instrument :
MSVOA_D
ClientSampleId :

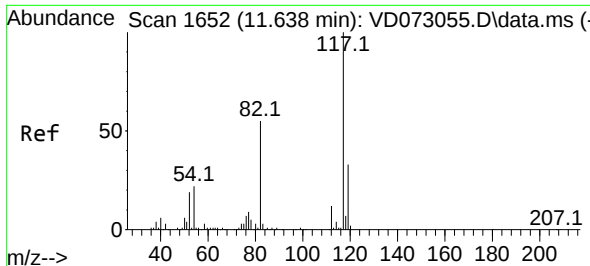
Tgt Ion: 98 Resp: 514572
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 49.509 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073067.D
Acq: 17 May 2022 20:04

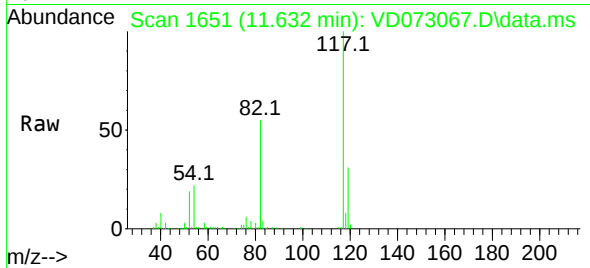
Tgt Ion: 95 Resp: 190583
Ion Ratio Lower Upper
95 100
174 76.8 0.0 152.8
176 72.6 0.0 145.4



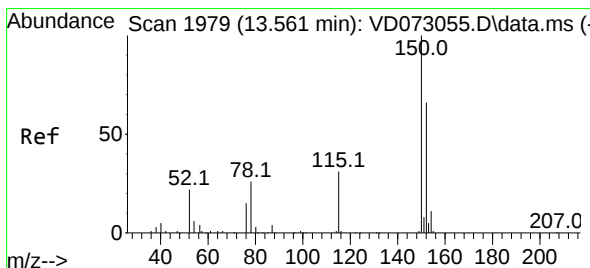
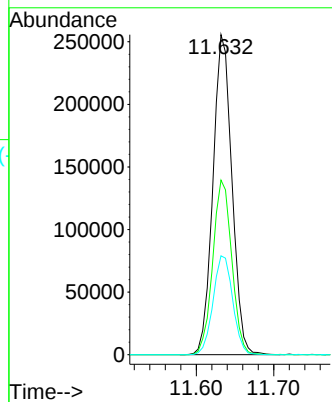
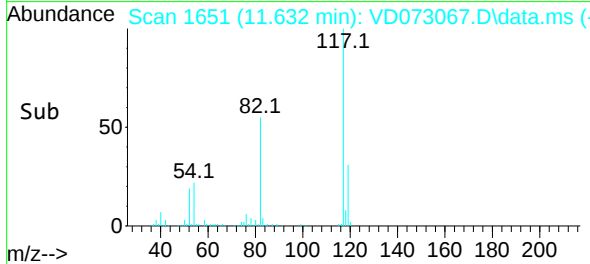


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD073067.D
Acq: 17 May 2022 20:04

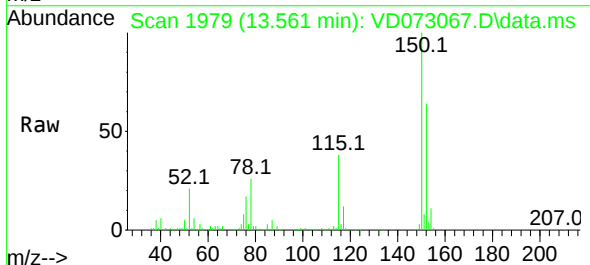
Instrument :
MSVOA_D
ClientSampleId :



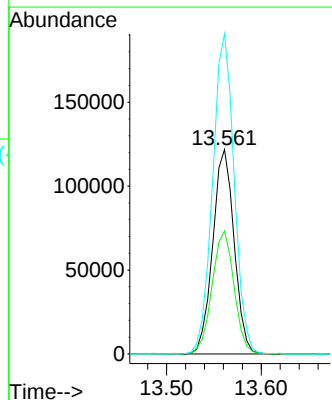
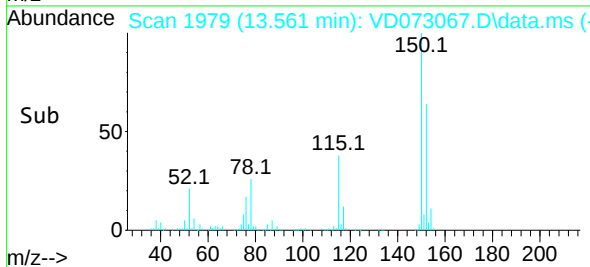
Tgt Ion:117 Resp: 435277
Ion Ratio Lower Upper
117 100
82 54.5 45.3 67.9
119 30.9 26.6 40.0

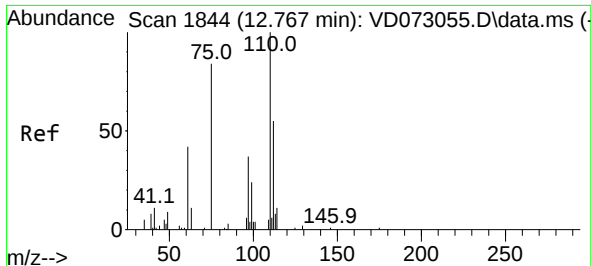


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073067.D
Acq: 17 May 2022 20:04



Tgt Ion:152 Resp: 191058
Ion Ratio Lower Upper
152 100
115 62.1 31.3 93.8
150 158.2 0.0 348.6

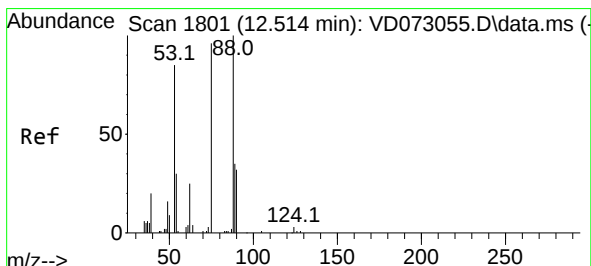
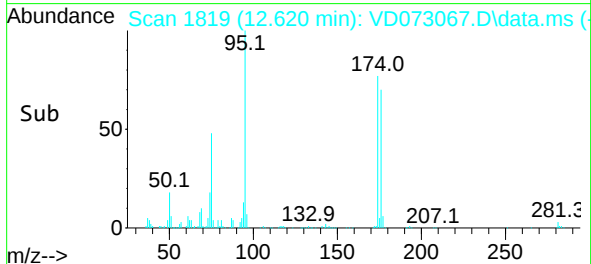
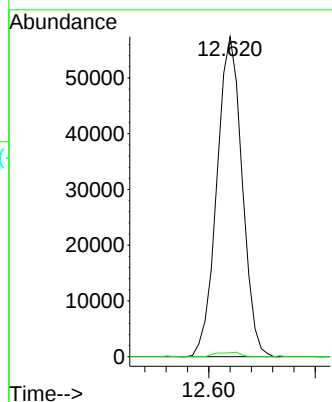
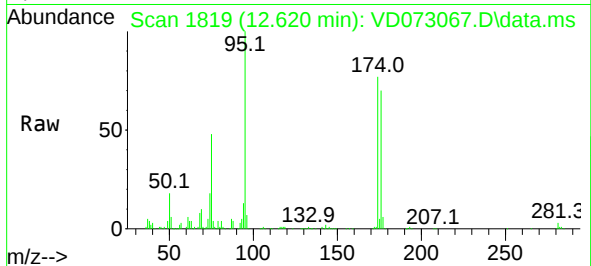




#76
1,2,3-Trichloropropane
Concen: 43.732 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073067.D
Acq: 17 May 2022 20:04

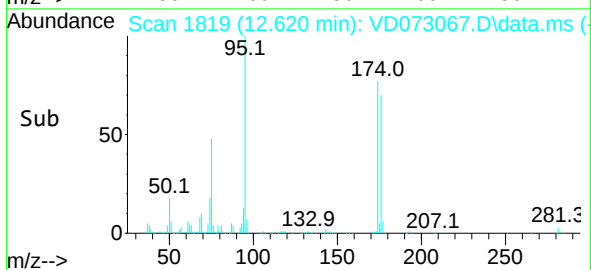
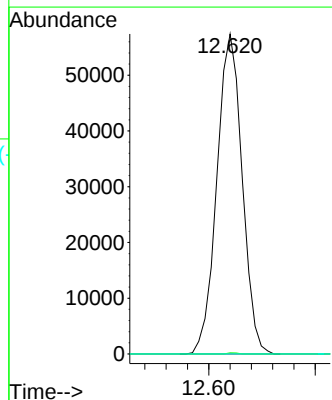
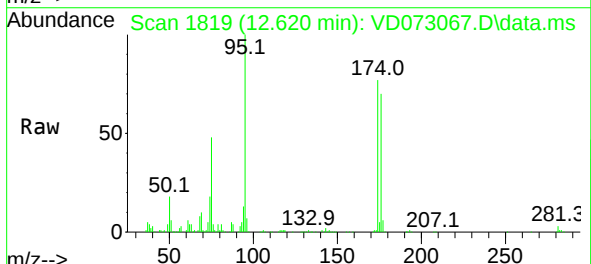
Instrument :
MSVOA_D
ClientSampleId :

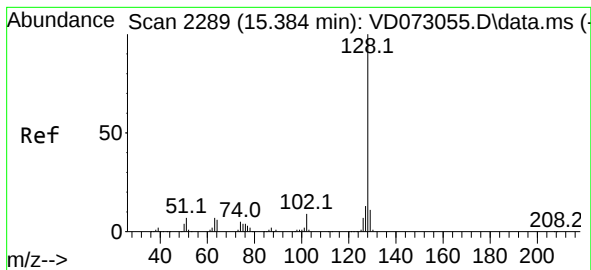
Tgt Ion: 75 Resp: 94452
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.859 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073067.D
Acq: 17 May 2022 20:04

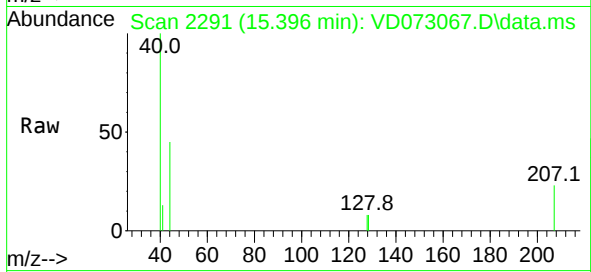
Tgt Ion: 75 Resp: 94452
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 4.296 ug/l
RT: 15.396 min Scan# 21
Delta R.T. 0.012 min
Lab File: VD073067.D
Acq: 17 May 2022 20:04

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	128	Resp:	289
Ion	Ratio	Lower	Upper
128	100		
127	18.3	10.3	15.5#
129	0.0	8.4	12.6#

