

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051822\
 Data File : VD073108.D
 Acq On : 18 May 2022 19:37
 Operator : VA/SY
 Sample : N2832-09
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB12

Quant Time: May 19 04:47:22 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)

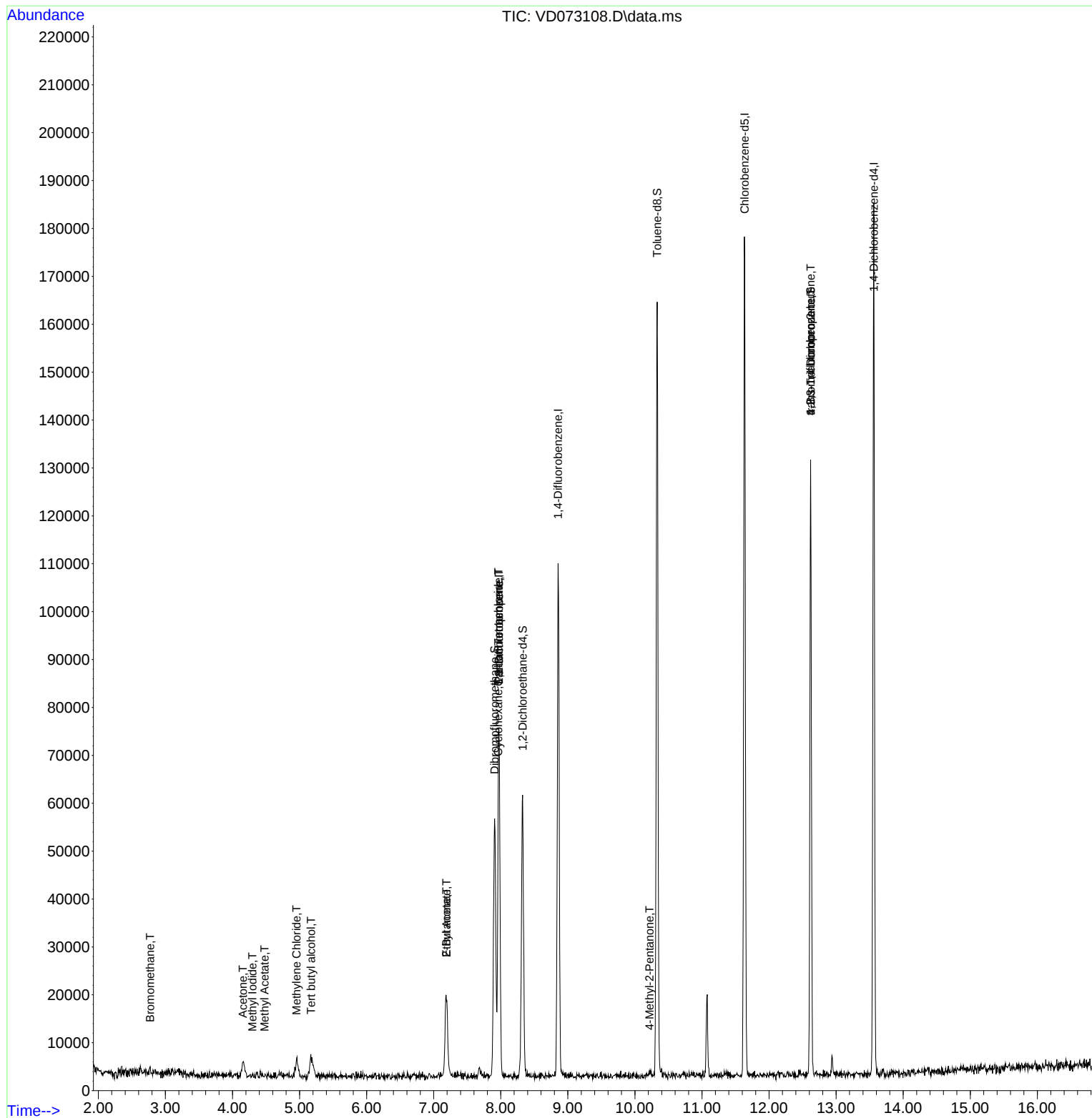
Internal Standards						
1) Pentafluorobenzene	7.973	168	52791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	87254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	101377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	45994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	45892	69.513	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 139.020%	
35) Dibromofluoromethane	7.908	113	39572	64.595	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 129.180%	
50) Toluene-d8	10.332	98	111308	50.083	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.160%	
62) 4-Bromofluorobenzene	12.620	95	40669	50.522	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.040%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	552	1.242	ug/l #	66
10) Methyl Iodide	4.297	142	129	4.429	ug/l #	38
11) Tert butyl alcohol	5.173	59	3964	38.819	ug/l #	74
16) Acetone	4.156	43	5800	48.547	ug/l #	76
18) Methyl Acetate	4.479	43	57	1.613	ug/l #	55
20) Methylene Chloride	4.955	84	1817	2.095	ug/l #	71
25) 2-Butanone	7.191	43	802	4.433	ug/l #	52
31) Cyclohexane	7.961	56	1198	1.007	ug/l #	11
36) 1,1-Dichloropropene	7.973	75	4804	4.813	ug/l #	48
37) Ethyl Acetate	7.191	43	802	1.913	ug/l #	40
38) Carbon Tetrachloride	7.967	117	5447	5.334	ug/l #	21
51) 4-Methyl-2-Pentanone	10.220	43	655	1.610	ug/l #	68
76) 1,2,3-Trichloropropane	12.620	75	22151	42.604	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	22151	102.154	ug/l #	7

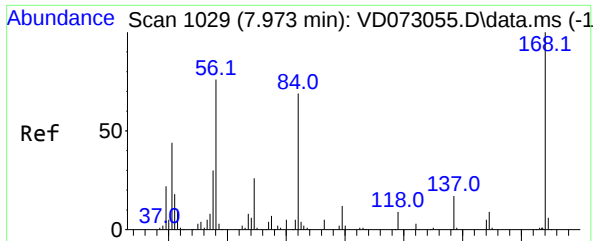
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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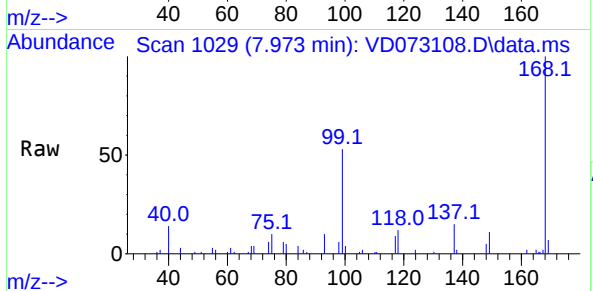
Quant Time: May 19 04:47:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
Quant Title : SW846 8260
QLast Update : Wed May 18 04:58:34 2022
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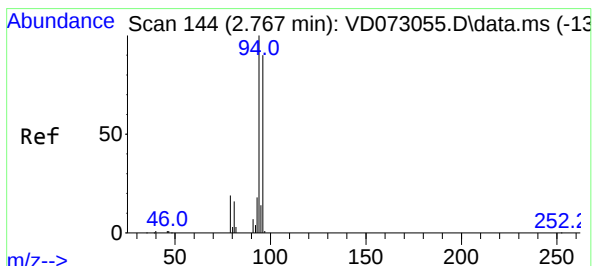
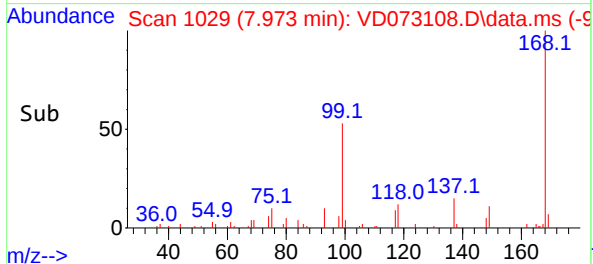
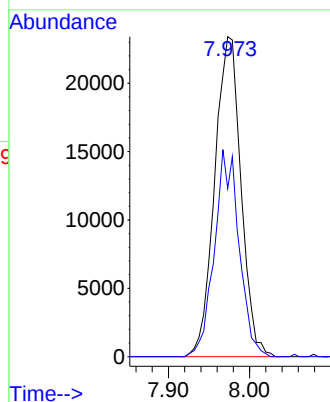


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD073108.D
Acq: 18 May 2022 19:37

Instrument :
MSVOA_D
ClientSampleId :
SB12

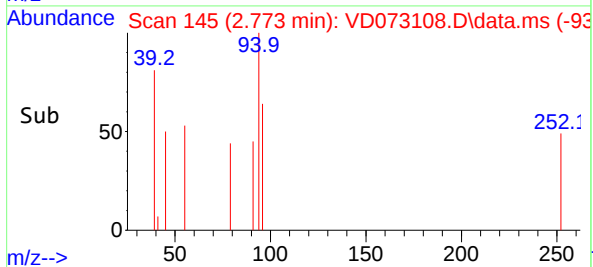
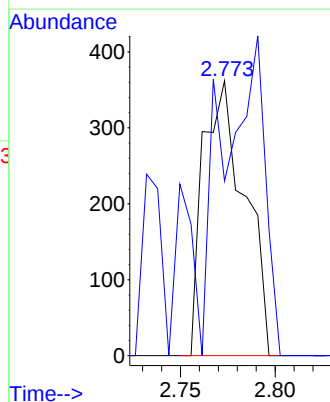
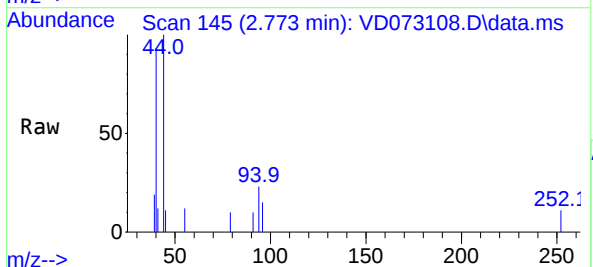


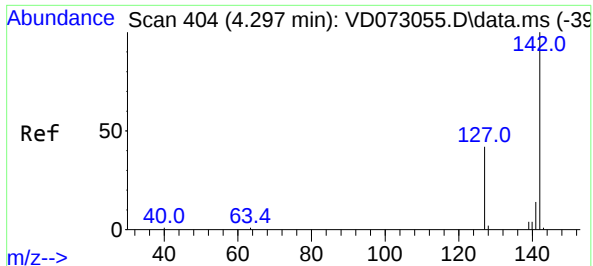
Tgt Ion:168 Resp: 52791
Ion Ratio Lower Upper
168 100
99 52.6 49.8 74.6



#5
Bromomethane
Concen: 1.242 ug/l
RT: 2.773 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD073108.D
Acq: 18 May 2022 19:37

Tgt Ion: 94 Resp: 552
Ion Ratio Lower Upper
94 100
96 63.5 77.6 116.4#

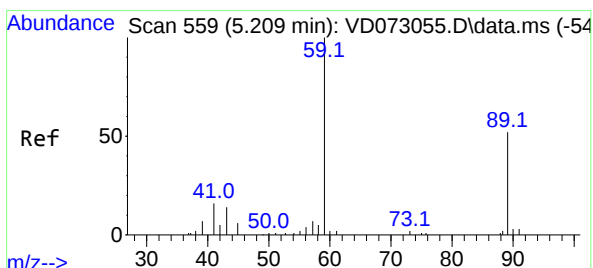
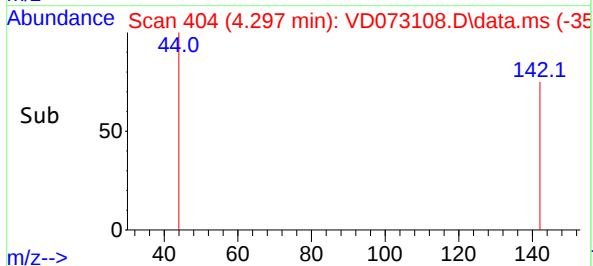
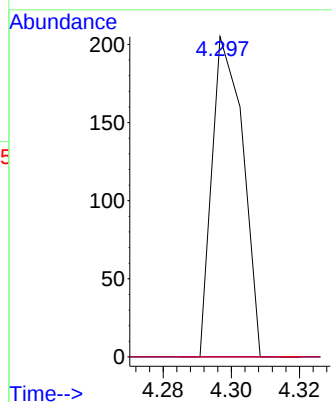
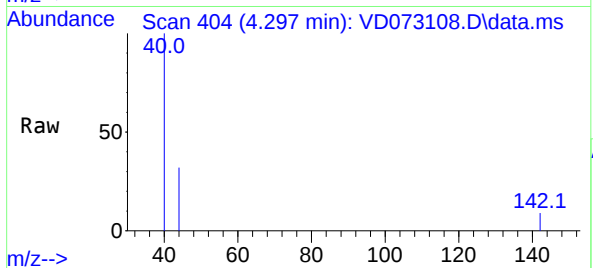




#10
Methyl Iodide
Concen: 4.429 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD073108.D
Acq: 18 May 2022 19:37

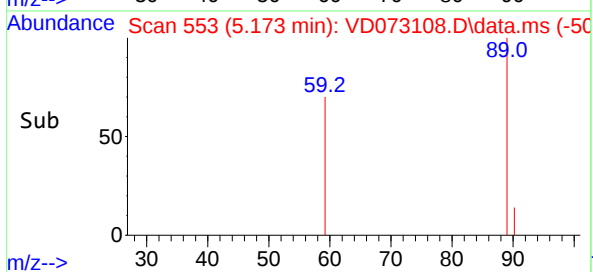
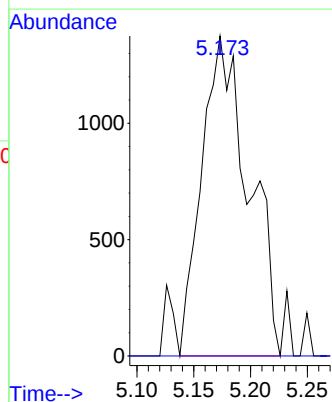
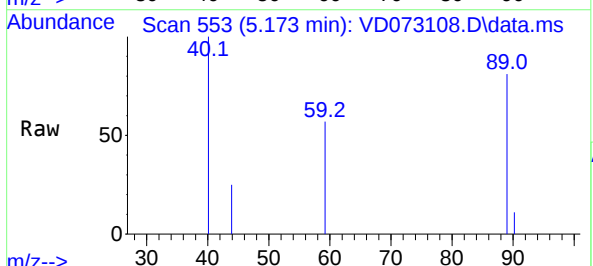
Instrument :
MSVOA_D
ClientSampleId :
SB12

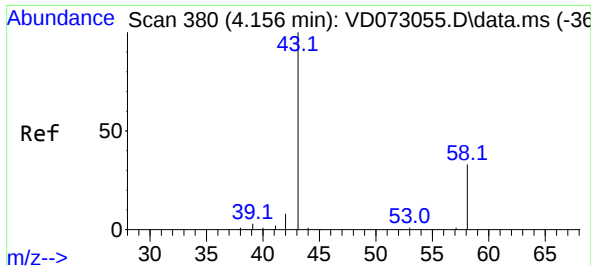
Tgt Ion:	142	Resp:	129
Ion	Ratio	Lower	Upper
142	100		
127	0.0	37.3	55.9#
141	0.0	11.7	17.5#



#11
Tert butyl alcohol
Concen: 38.819 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.036 min
Lab File: VD073108.D
Acq: 18 May 2022 19:37

Tgt Ion:	59	Resp:	3964
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.6#

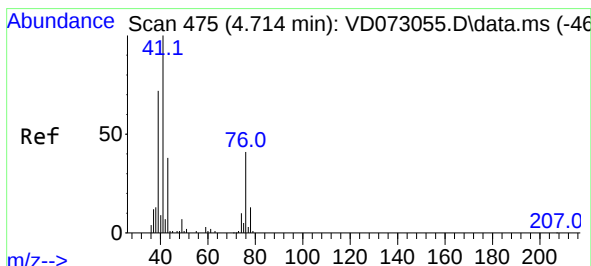
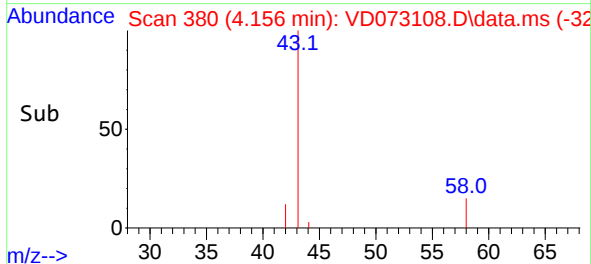
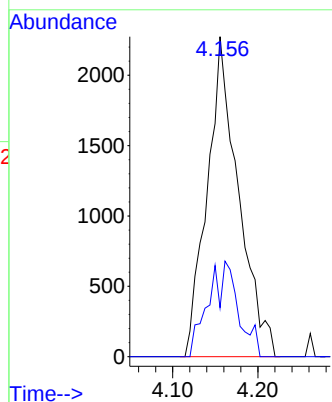
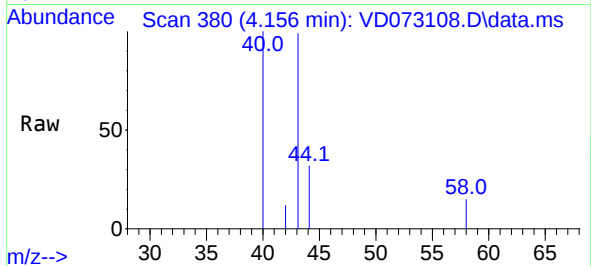




#16
Acetone
Concen: 48.547 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD073108.D
Acq: 18 May 2022 19:37

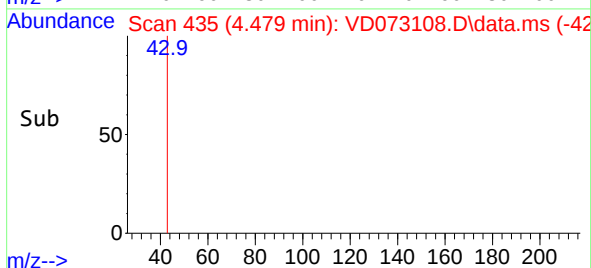
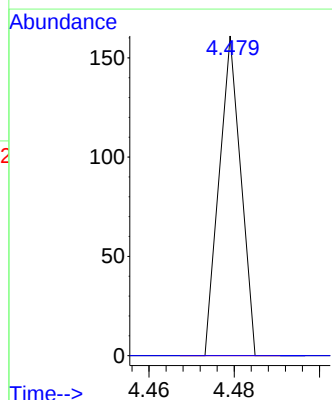
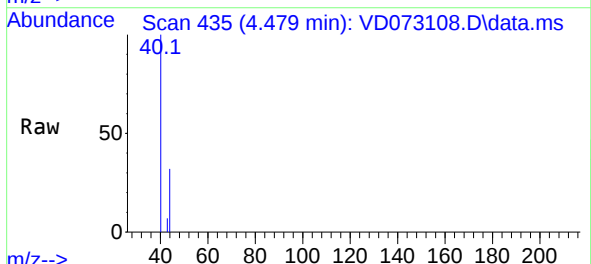
Instrument :
MSVOA_D
ClientSampleId :
SB12

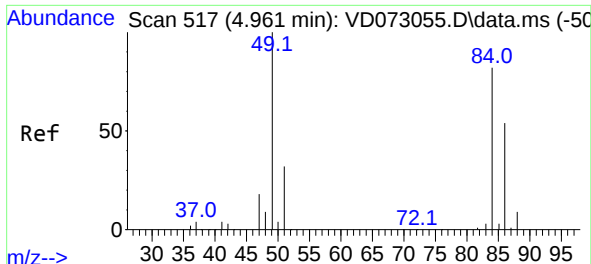
Tgt Ion: 43 Resp: 5800
Ion Ratio Lower Upper
43 100
58 15.3 22.1 33.1#



#18
Methyl Acetate
Concen: 1.613 ug/l
RT: 4.479 min Scan# 435
Delta R.T. -0.235 min
Lab File: VD073108.D
Acq: 18 May 2022 19:37

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



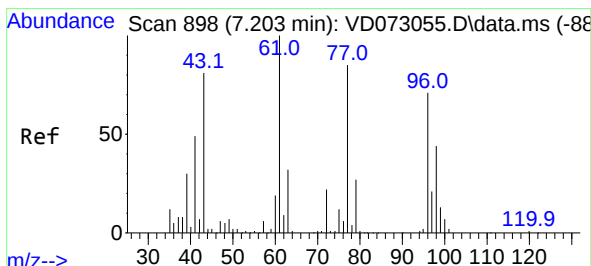
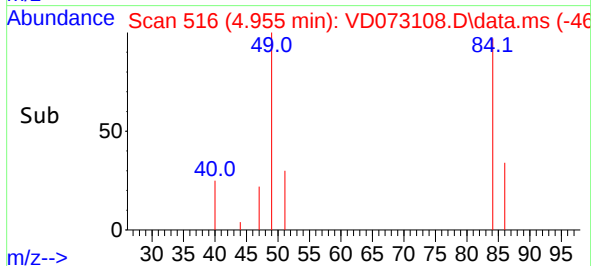
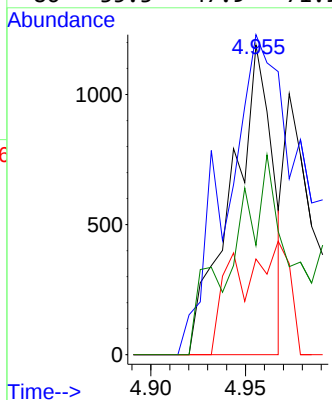
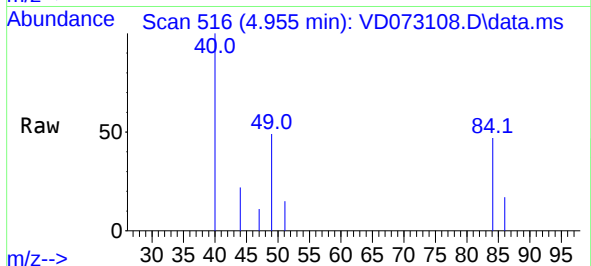


#20
Methylene Chloride
Concen: 2.095 ug/l
RT: 4.955 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD073108.D
Acq: 18 May 2022 19:37

Instrument :
MSVOA_D
ClientSampleId :
SB12

Tgt Ion: 84 Resp: 1817

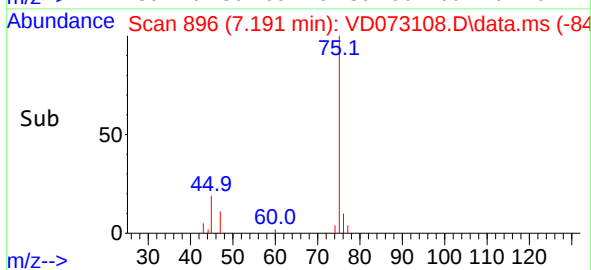
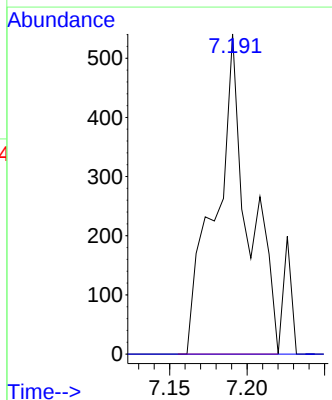
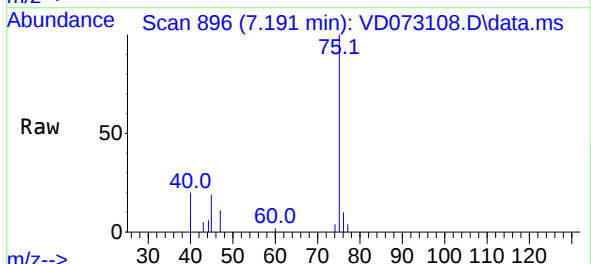
Ion	Ratio	Lower	Upper
84	100		
49	103.4	112.8	169.2#
51	30.9	32.6	48.8#
86	35.3	47.9	71.9#

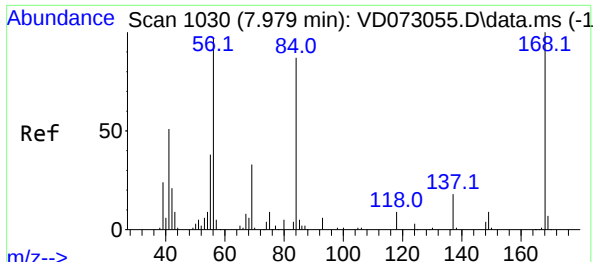


#25
2-Butanone
Concen: 4.433 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.012 min
Lab File: VD073108.D
Acq: 18 May 2022 19:37

Tgt Ion: 43 Resp: 802

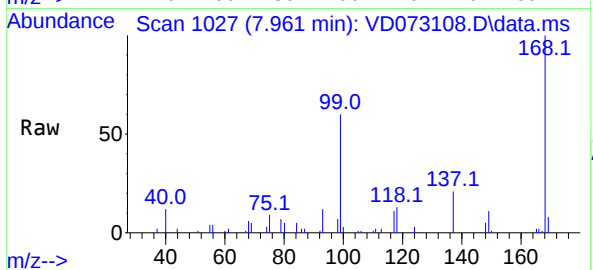
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#



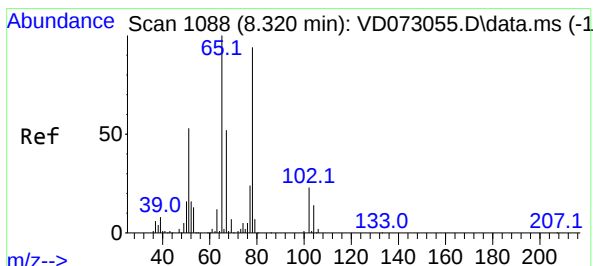
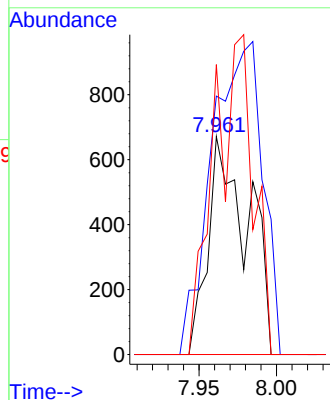
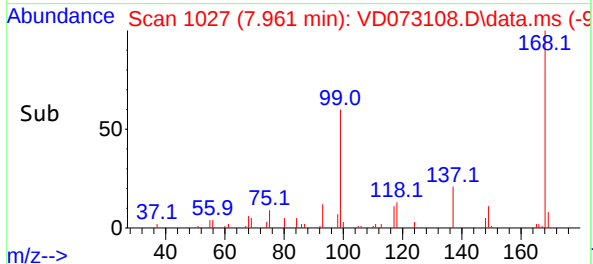


#31
Cyclohexane
Concen: 1.007 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.018 min
Lab File: VD073108.D
Acq: 18 May 2022 19:37

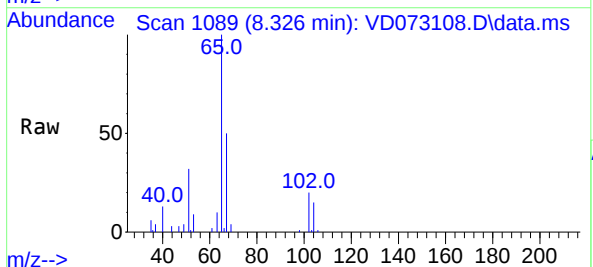
Instrument :
MSVOA_D
ClientSampleId :
SB12



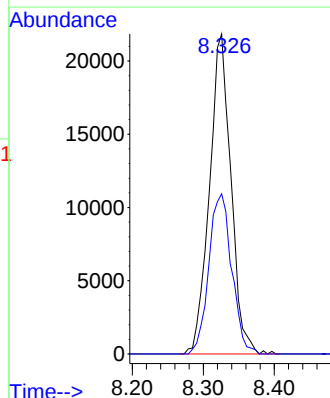
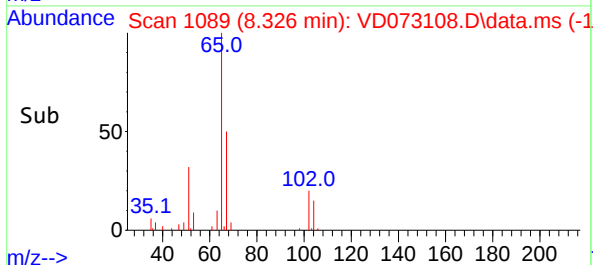
Tgt Ion: 56 Resp: 1198
Ion Ratio Lower Upper
56 100
69 118.6 25.4 38.2#
84 133.1 63.0 94.4#

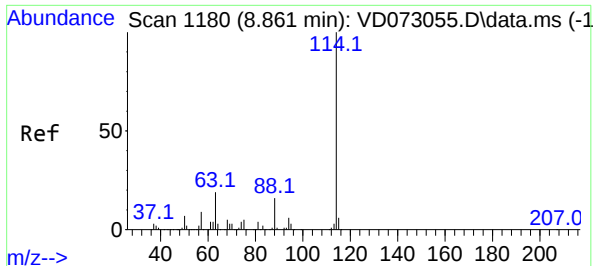


#33
1,2-Dichloroethane-d4
Concen: 69.513 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD073108.D
Acq: 18 May 2022 19:37



Tgt Ion: 65 Resp: 45892
Ion Ratio Lower Upper
65 100
67 53.4 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD073108.D

Acq: 18 May 2022 19:37

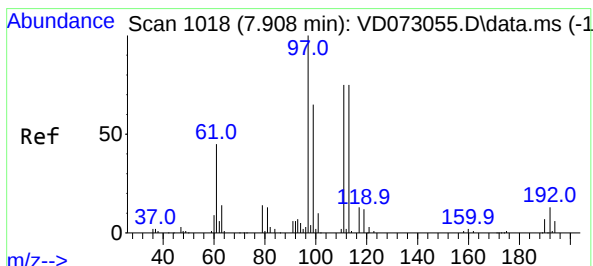
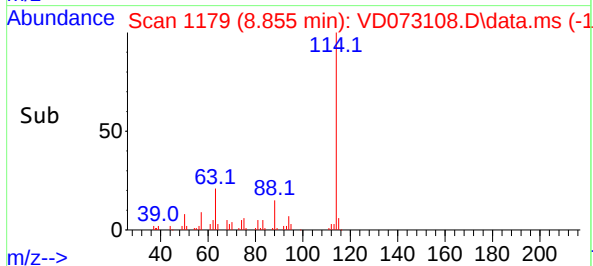
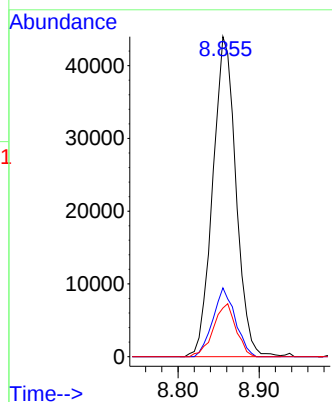
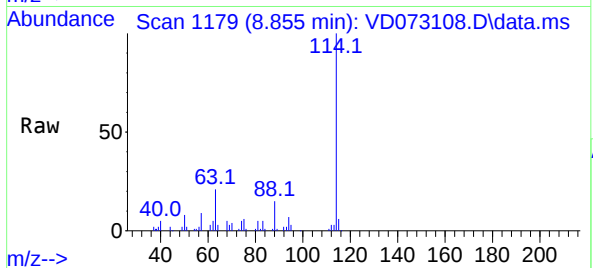
Instrument :

MSVOA_D

ClientSampleId :

SB12

Tgt Ion:114	Resp:	87254
Ion Ratio	Lower	Upper
114	100	
63	21.5	0.0 46.6
88	15.2	0.0 33.2



#35

Dibromofluoromethane

Concen: 64.595 ug/l

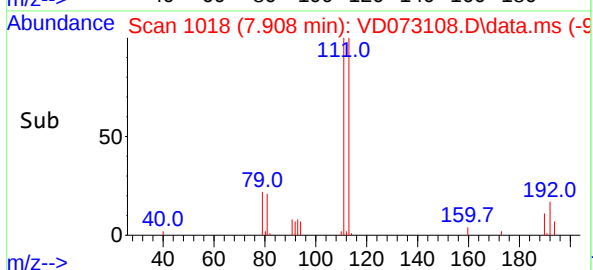
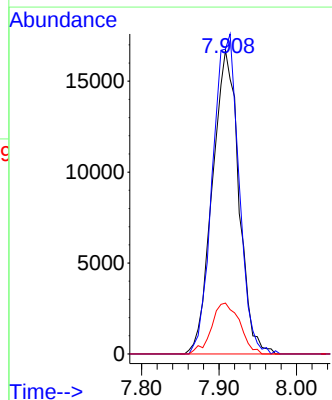
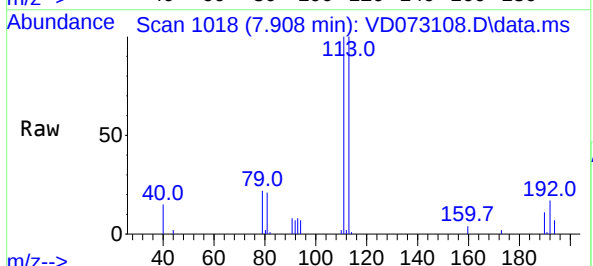
RT: 7.908 min Scan# 1018

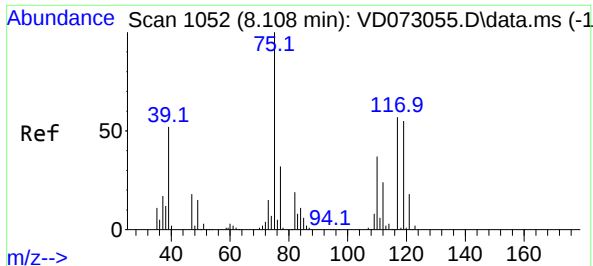
Delta R.T. -0.000 min

Lab File: VD073108.D

Acq: 18 May 2022 19:37

Tgt Ion:113	Resp:	39572
Ion Ratio	Lower	Upper
113	100	
111	104.7	83.8 125.6
192	17.9	14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.813 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073108.D

Acq: 18 May 2022 19:37

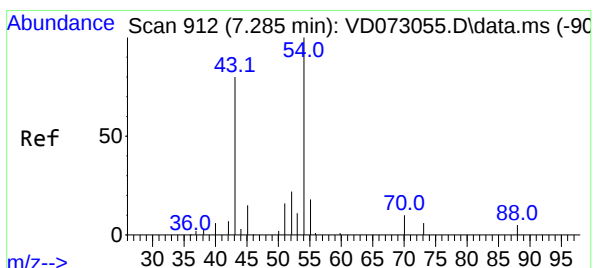
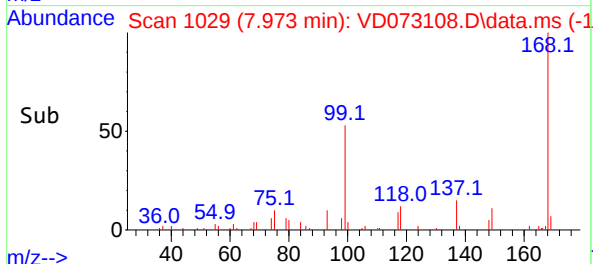
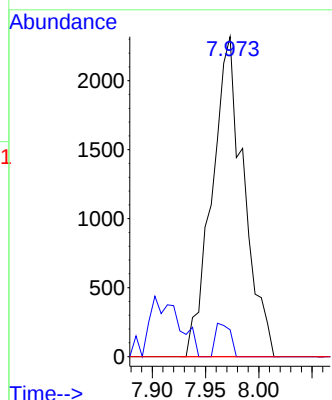
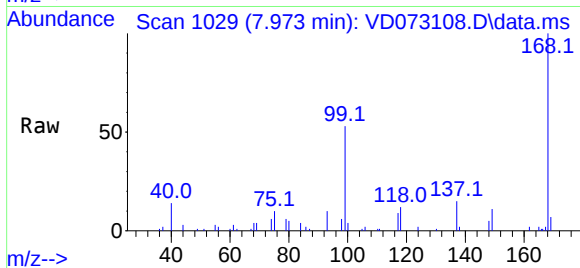
Instrument :

MSVOA_D

ClientSampleId :

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Tgt Ion:	75	Resp:	4804
Ion	Ratio	Lower	Upper
75	100		
110	4.9	16.4	49.1#
77	0.0	24.2	36.2#



#37

Ethyl Acetate

Concen: 1.913 ug/l

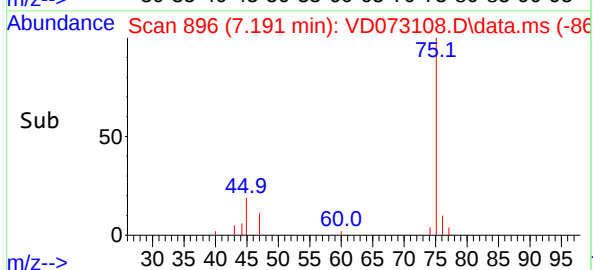
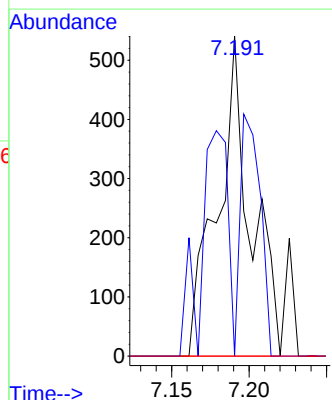
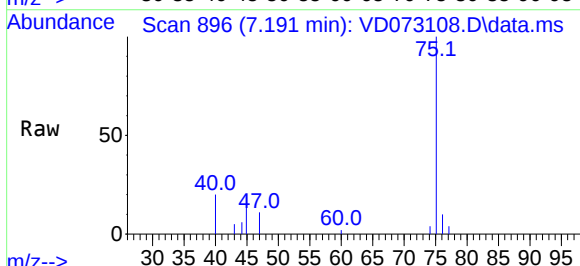
RT: 7.191 min Scan# 896

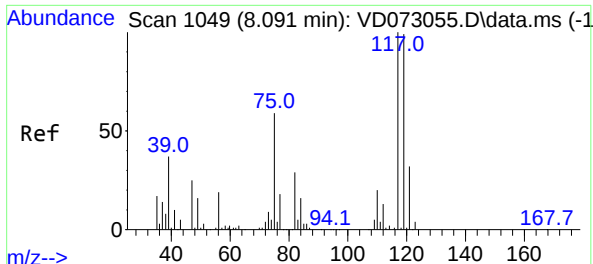
Delta R.T. -0.094 min

Lab File: VD073108.D

Acq: 18 May 2022 19:37

Tgt Ion:	43	Resp:	802
Ion	Ratio	Lower	Upper
43	100		
61	45.6	9.8	14.8#
70	0.0	6.9	10.3#

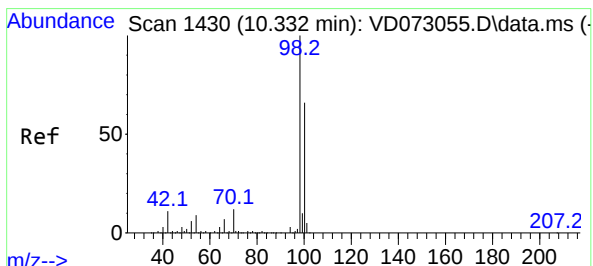
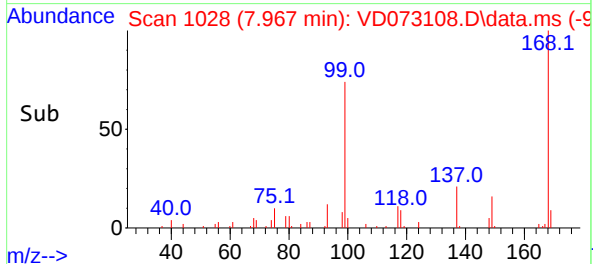
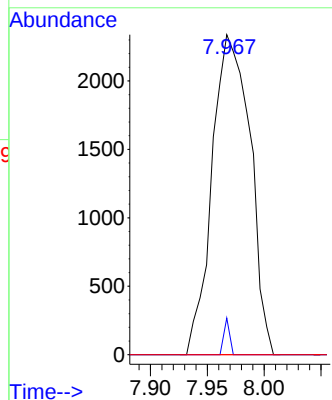
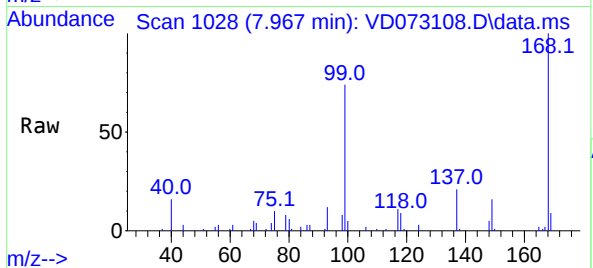




#38
Carbon Tetrachloride
Concen: 5.334 ug/l
RT: 7.967 min Scan# 1049
Delta R.T. -0.124 min
Lab File: VD073108.D
Acq: 18 May 2022 19:37

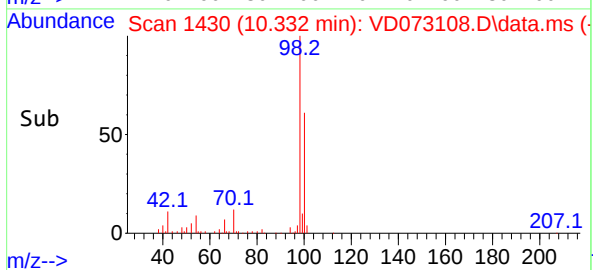
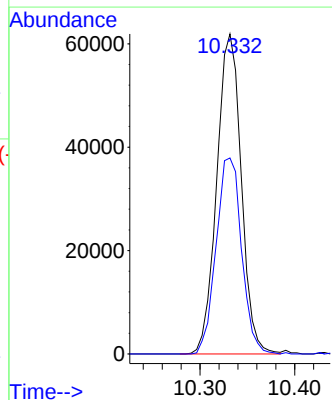
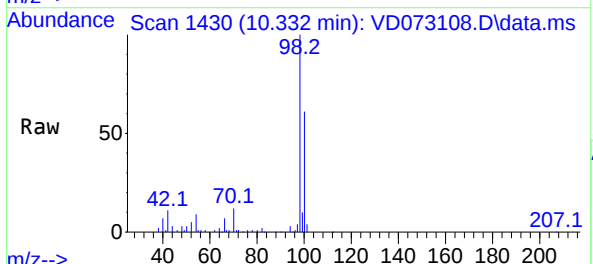
Instrument :
MSVOA_D
ClientSampleId :
SB12

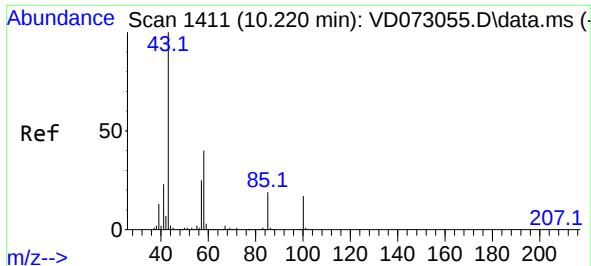
Tgt Ion:117 Resp: 5447
Ion Ratio Lower Upper
117 100
119 11.5 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.083 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073108.D
Acq: 18 May 2022 19:37

Tgt Ion: 98 Resp: 111308
Ion Ratio Lower Upper
98 100
100 63.6 52.4 78.6

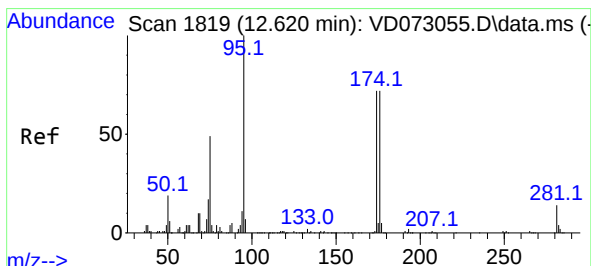
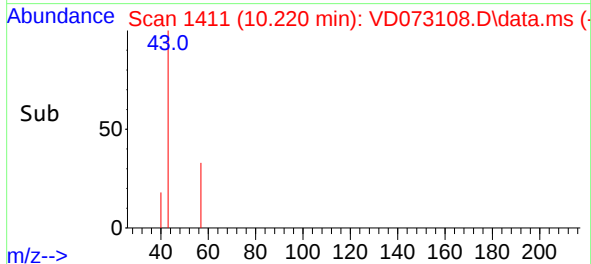
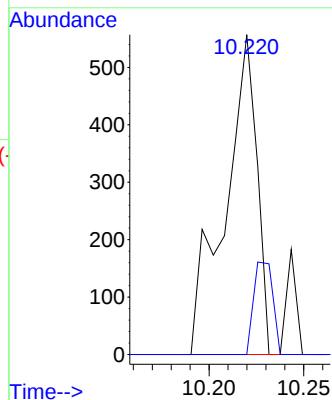
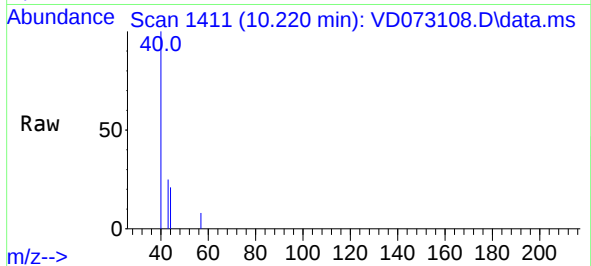




#51
4-Methyl-2-Pentanone
Concen: 1.610 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.000 min
Lab File: VD073108.D
Acq: 18 May 2022 19:37

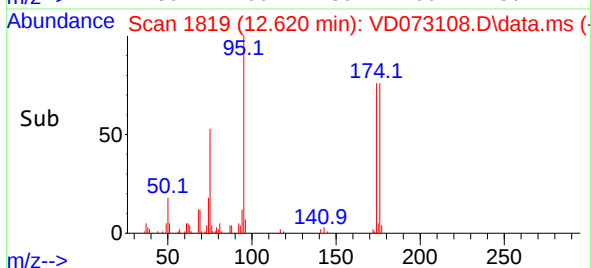
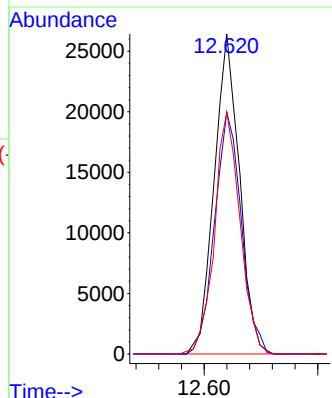
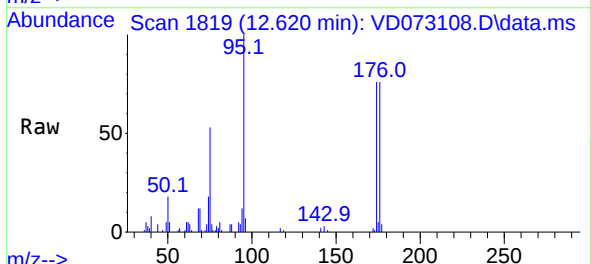
Instrument :
MSVOA_D
ClientSampleId :
SB12

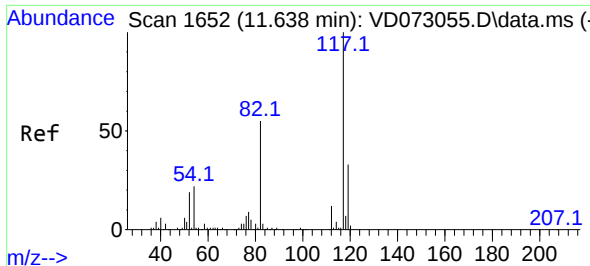
Tgt Ion: 43 Resp: 655
Ion Ratio Lower Upper
43 100
58 17.3 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 50.522 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073108.D
Acq: 18 May 2022 19:37

Tgt Ion: 95 Resp: 40669
Ion Ratio Lower Upper
95 100
174 79.9 0.0 152.8
176 76.7 0.0 145.4

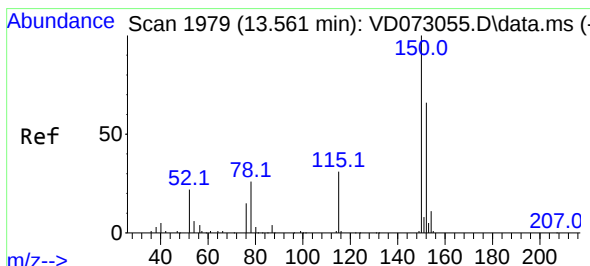
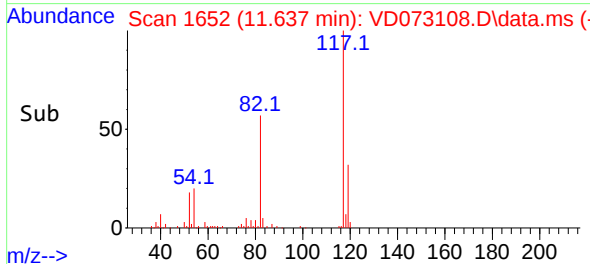
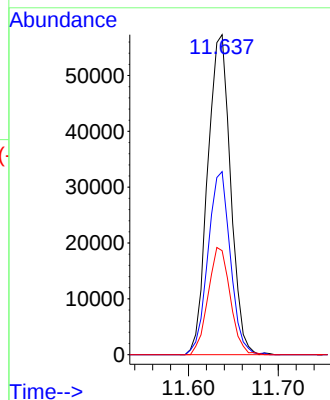
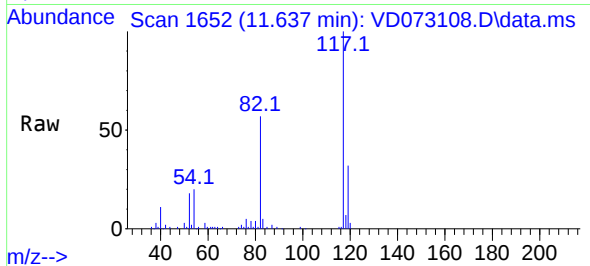




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD073108.D
Acq: 18 May 2022 19:37

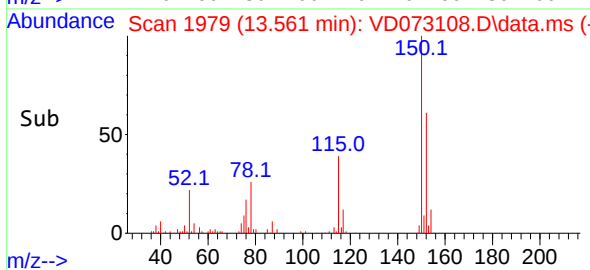
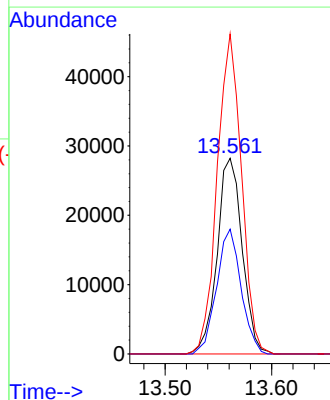
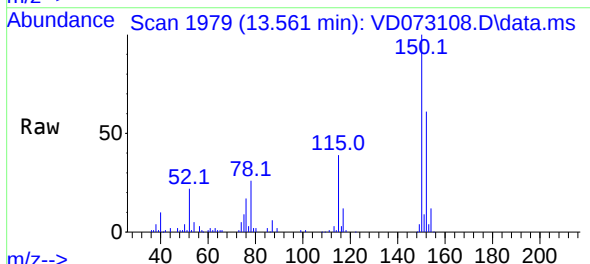
Instrument :
MSVOA_D
ClientSampleId :
SB12

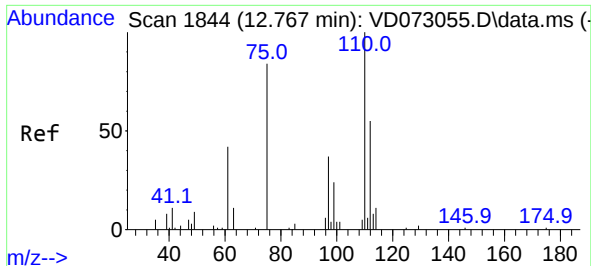
Tgt Ion:117 Resp: 101377
Ion Ratio Lower Upper
117 100
82 57.2 45.3 67.9
119 32.5 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073108.D
Acq: 18 May 2022 19:37

Tgt Ion:152 Resp: 45994
Ion Ratio Lower Upper
152 100
115 62.5 31.3 93.8
150 158.8 0.0 348.6

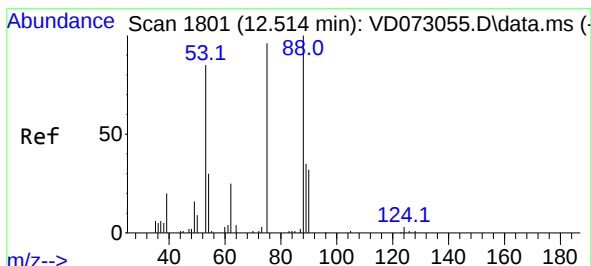
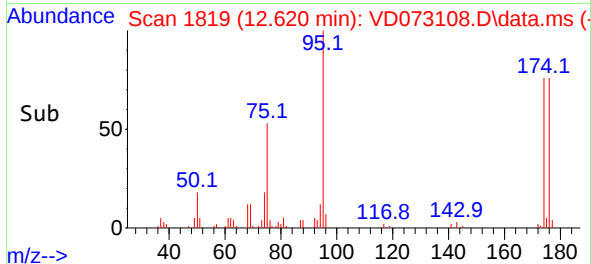
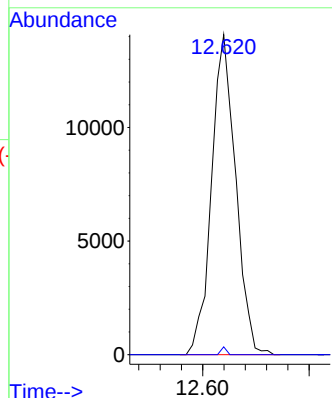
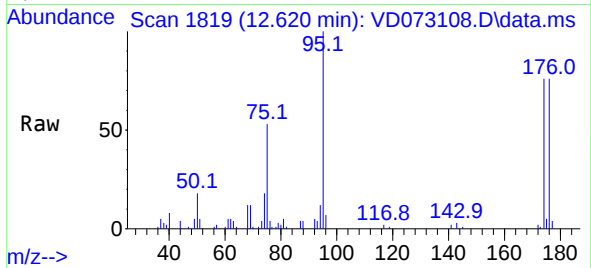




#76
1,2,3-Trichloropropane
Concen: 42.604 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073108.D
Acq: 18 May 2022 19:37

Instrument :
MSVOA_D
ClientSampleId :
SB12

Tgt Ion: 75 Resp: 22151
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.154 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073108.D
Acq: 18 May 2022 19:37

Tgt Ion: 75 Resp: 22151
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

