

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051822\
 Data File : VD073107.D
 Acq On : 18 May 2022 19:08
 Operator : VA/SY
 Sample : N2832-08
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB10

Quant Time: May 19 04:47:03 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)

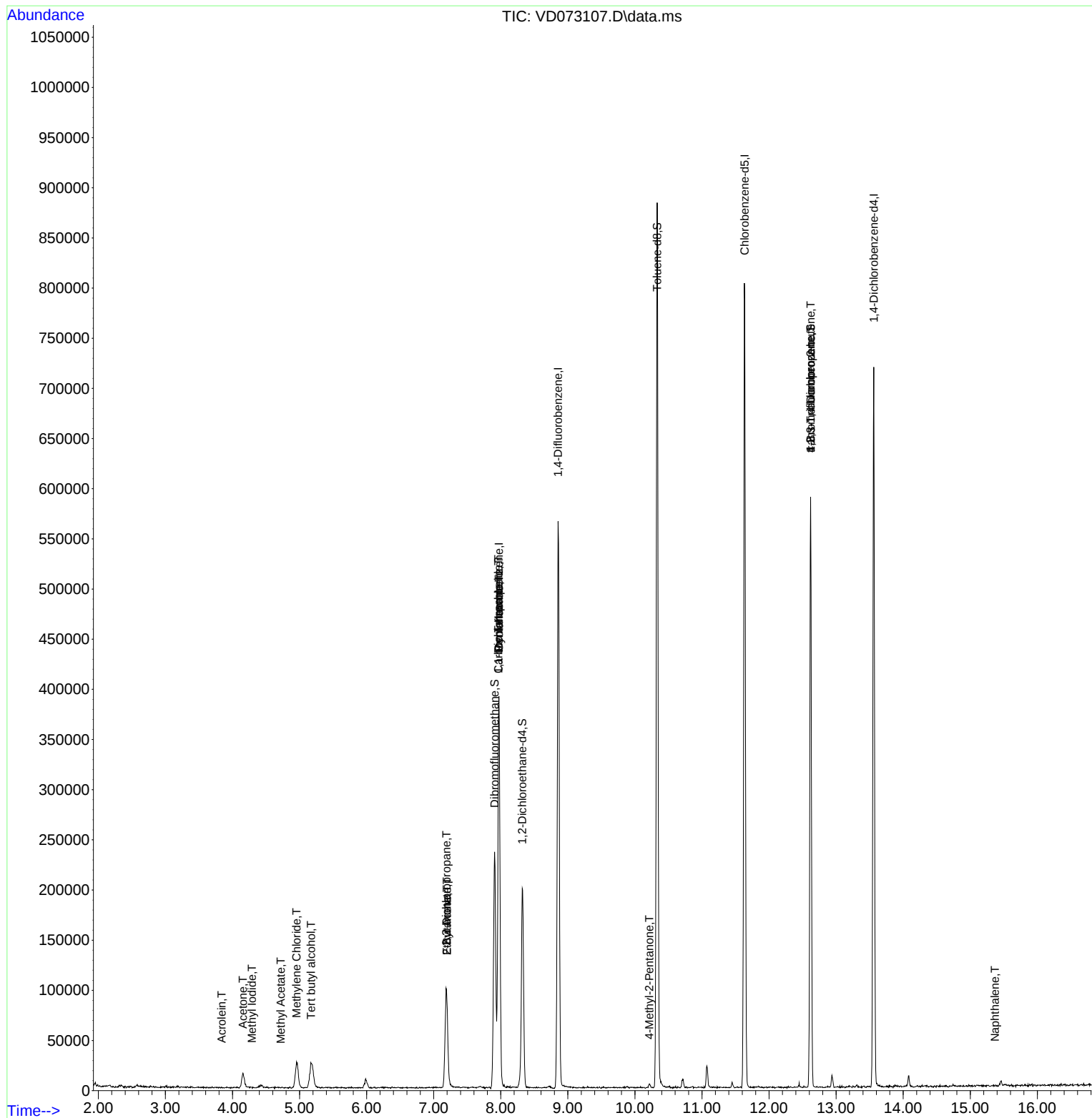
Internal Standards						
1) Pentafluorobenzene	7.973	168	274151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	484770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	470862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	190248	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	159651	46.566	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.140%
35) Dibromofluoromethane	7.908	113	168822	49.601	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.200%
50) Toluene-d8	10.332	98	587456	47.576	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.160%
62) 4-Bromofluorobenzene	12.620	95	191390	42.795	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.580%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	92	4.300	ug/l #	78
11) Tert butyl alcohol	5.173	59	24125	45.493	ug/l #	75
13) Acrolein	3.838	56	69	13.275	ug/l #	14
16) Acetone	4.156	43	26052	41.990	ug/l	93
18) Methyl Acetate	4.720	43	76	1.499	ug/l #	55
20) Methylene Chloride	4.956	84	19278	4.281	ug/l	83
25) 2-Butanone	7.197	43	5550	5.907	ug/l #	74
26) 2,2-Dichloropropane	7.191	77	6164	1.080	ug/l #	54
31) Cyclohexane	7.973	56	6224	1.008	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	23564	4.249	ug/l #	53
37) Ethyl Acetate	7.197	43	5550	2.383	ug/l #	1
38) Carbon Tetrachloride	7.967	117	30604	5.394	ug/l #	16
51) 4-Methyl-2-Pentanone	10.214	43	2826	1.251	ug/l	90
76) 1,2,3-Trichloropropane	12.620	75	95727	44.511	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	95727	106.727	ug/l #	7
95) Naphthalene	15.367	128	82	4.270	ug/l #	70

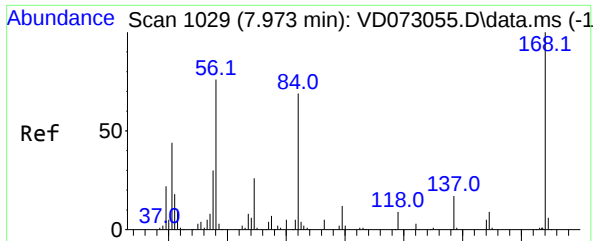
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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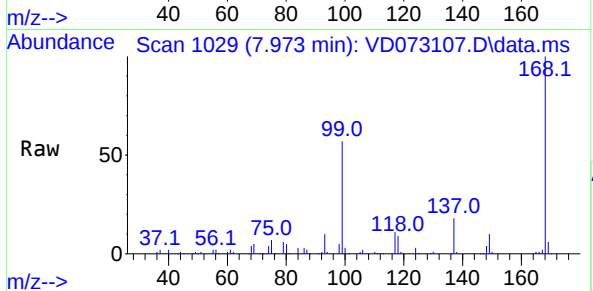
Quant Time: May 19 04:47:03 2022
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QLast Update : Wed May 18 04:58:34 2022
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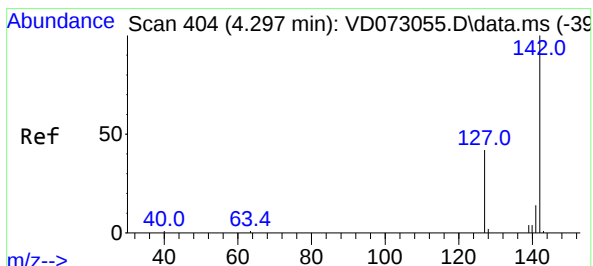
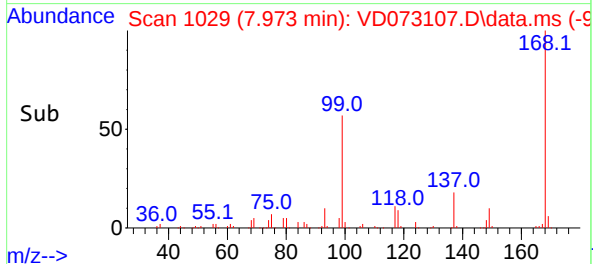
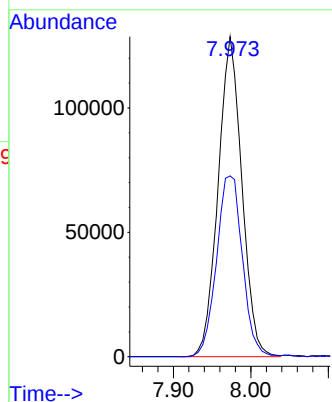


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073107.D
Acq: 18 May 2022 19:08

Instrument :
MSVOA_D
ClientSampleId :
SB10

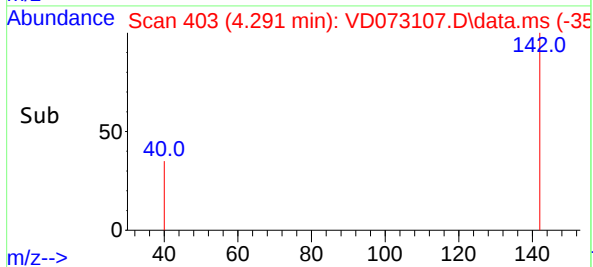
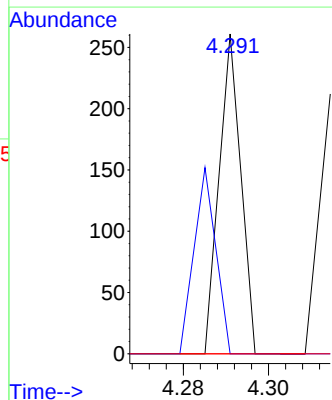
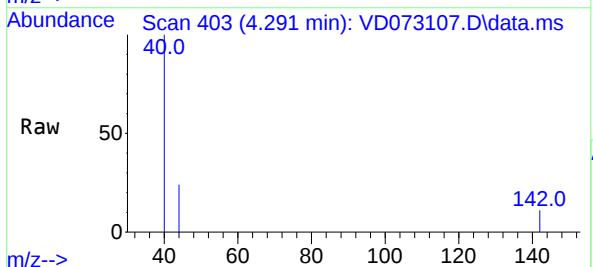


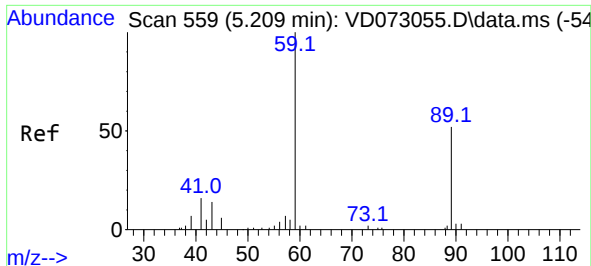
Tgt Ion:168 Resp: 274151
Ion Ratio Lower Upper
168 100
99 56.5 49.8 74.6



#10
Methyl Iodide
Concen: 4.300 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD073107.D
Acq: 18 May 2022 19:08

Tgt Ion:142 Resp: 92
Ion Ratio Lower Upper
142 100
127 58.7 37.3 55.9#
141 0.0 11.7 17.5#

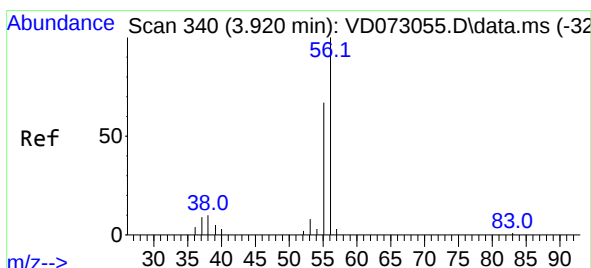
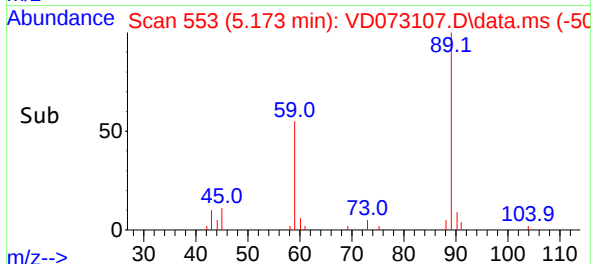
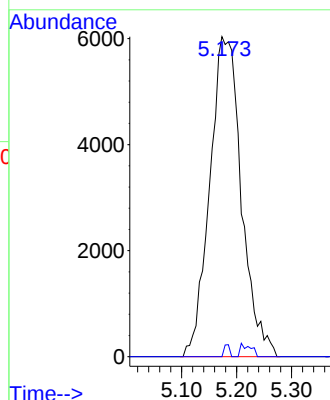
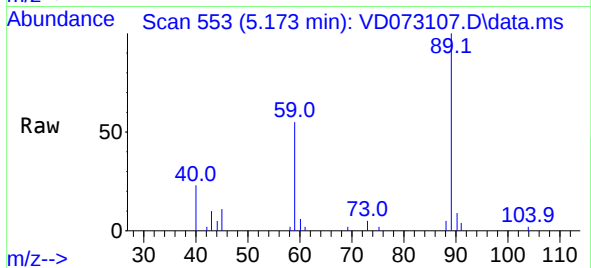




#11
Tert butyl alcohol
Concen: 45.493 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD073107.D
Acq: 18 May 2022 19:08

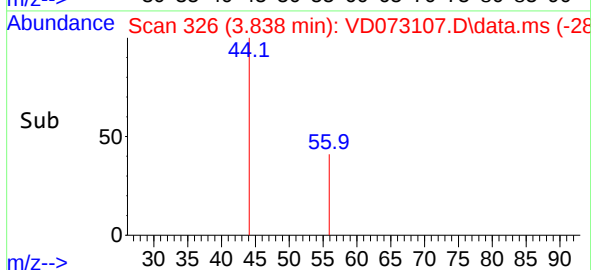
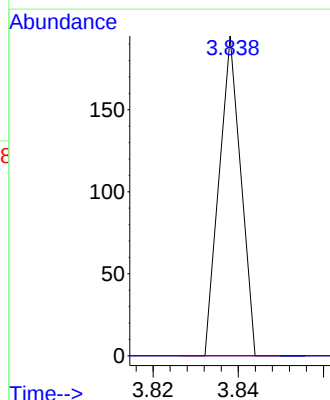
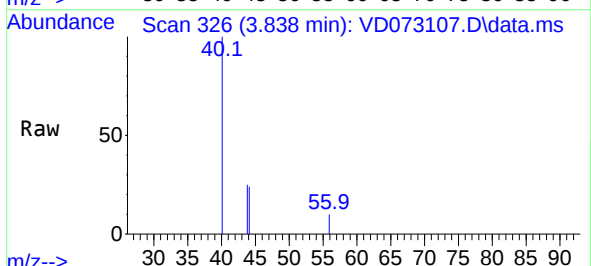
Instrument :
MSVOA_D
ClientSampleId :
SB10

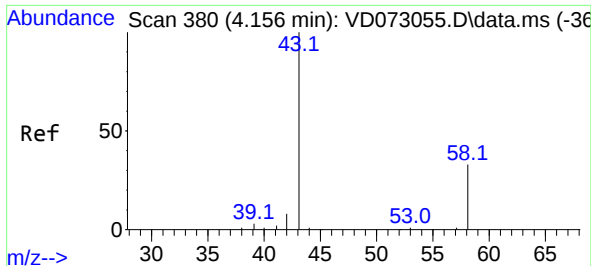
Tgt Ion: 59 Resp: 24125
Ion Ratio Lower Upper
59 100
57 0.7 7.8 11.6#



#13
Acrolein
Concen: 13.275 ug/l
RT: 3.838 min Scan# 326
Delta R.T. -0.082 min
Lab File: VD073107.D
Acq: 18 May 2022 19:08

Tgt Ion: 56 Resp: 69
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#

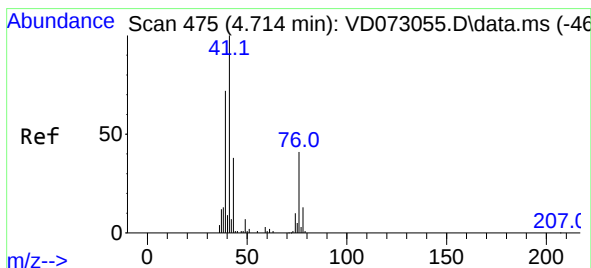
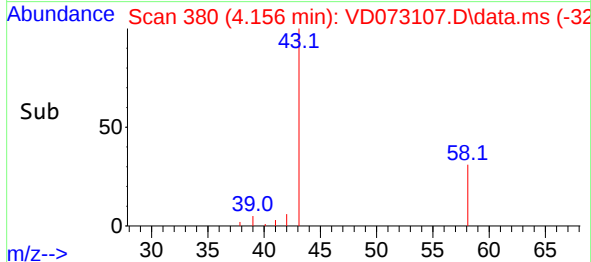
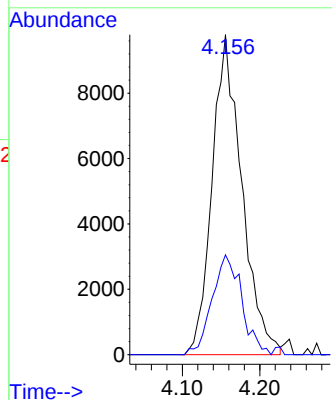
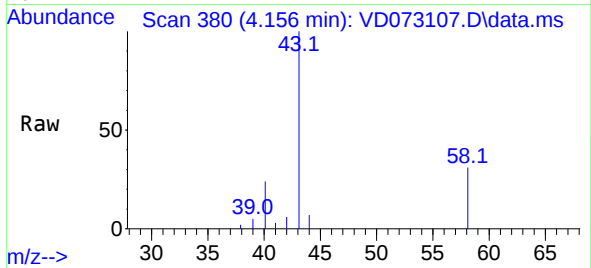




#16
Acetone
Concen: 41.990 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD073107.D
Acq: 18 May 2022 19:08

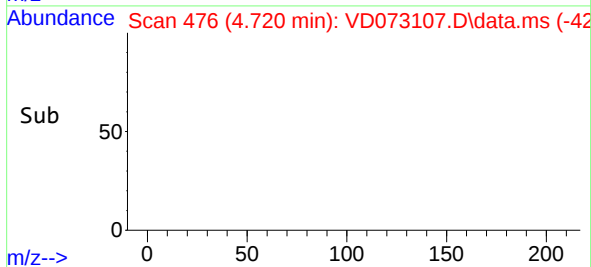
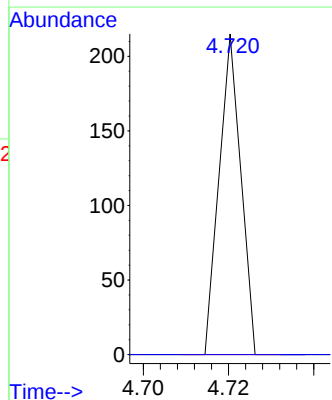
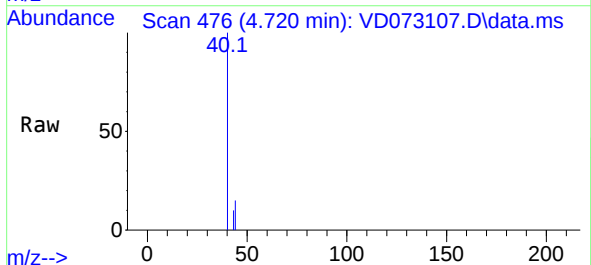
Instrument :
MSVOA_D
ClientSampleId :
SB10

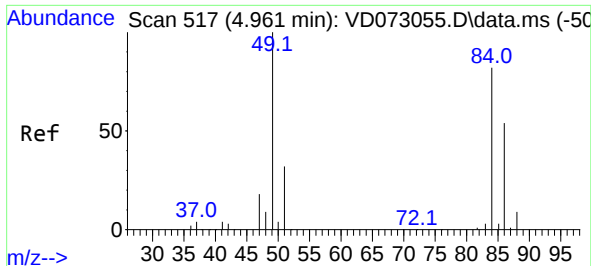
Tgt Ion: 43 Resp: 26052
Ion Ratio Lower Upper
43 100
58 31.2 22.1 33.1



#18
Methyl Acetate
Concen: 1.499 ug/l
RT: 4.720 min Scan# 476
Delta R.T. 0.006 min
Lab File: VD073107.D
Acq: 18 May 2022 19:08

Tgt Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



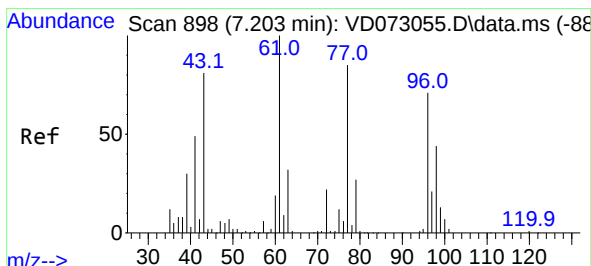
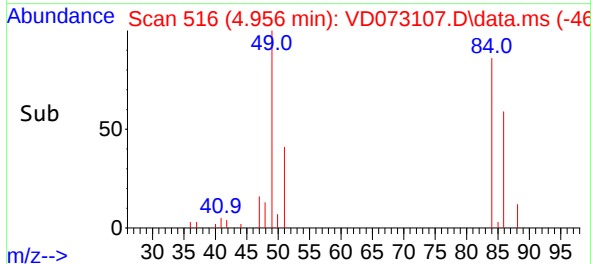
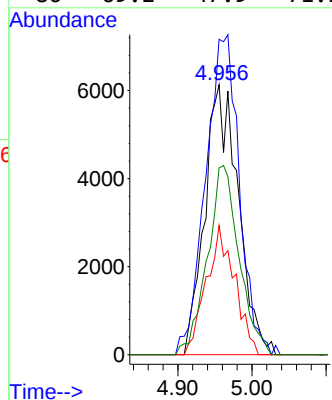
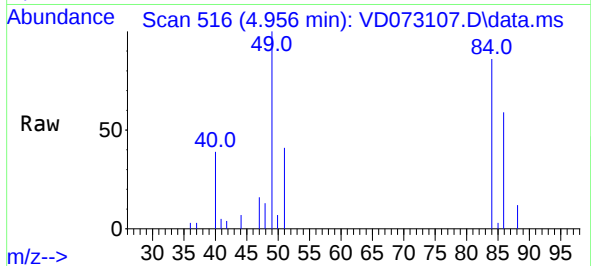


#20
Methylene Chloride
Concen: 4.281 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD073107.D
Acq: 18 May 2022 19:08

Instrument :
MSVOA_D
ClientSampleId :
SB10

Tgt Ion: 84 Resp: 19278

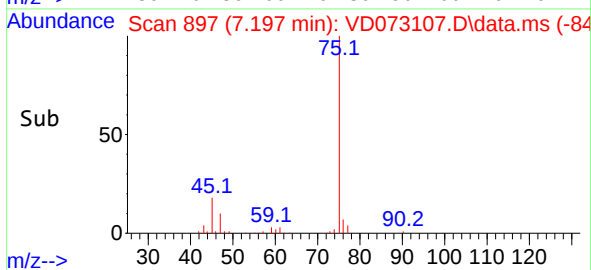
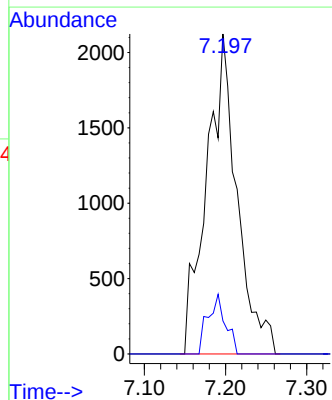
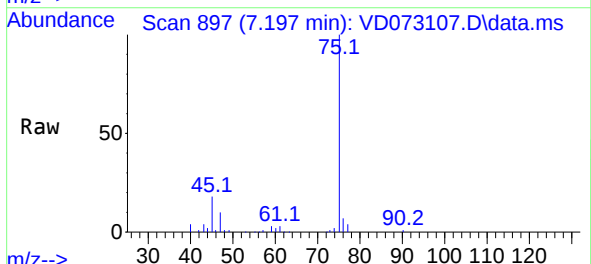
Ion	Ratio	Lower	Upper
84	100		
49	116.8	112.8	169.2
51	47.9	32.6	48.8
86	69.2	47.9	71.9

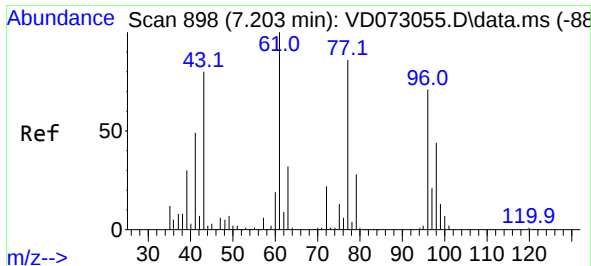


#25
2-Butanone
Concen: 5.907 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.006 min
Lab File: VD073107.D
Acq: 18 May 2022 19:08

Tgt Ion: 43 Resp: 5550

Ion	Ratio	Lower	Upper
43	100		
72	10.3	18.6	27.8#

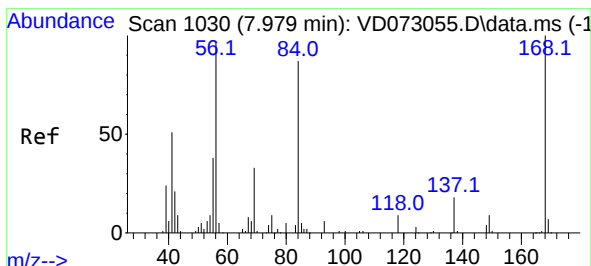
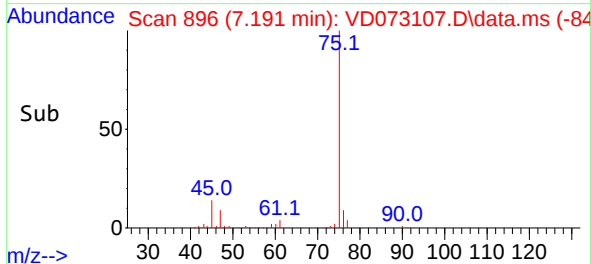
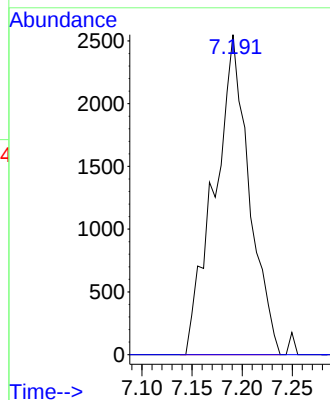
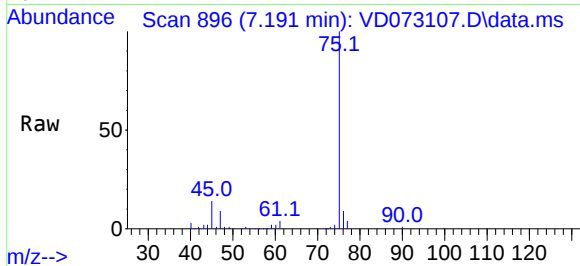




#26
2,2-Dichloropropane
Concen: 1.080 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.012 min
Lab File: VD073107.D
Acq: 18 May 2022 19:08

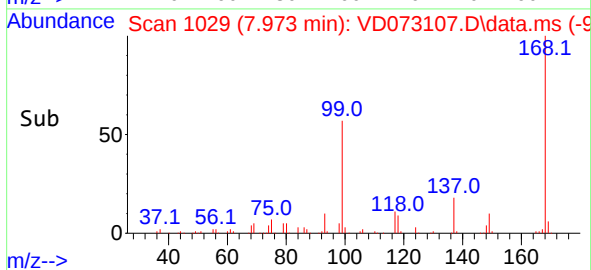
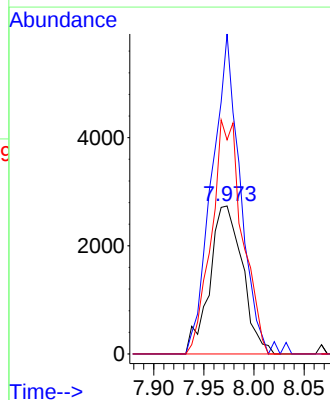
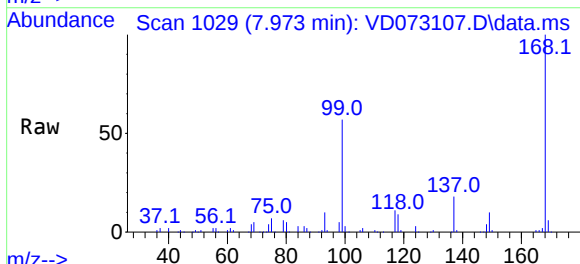
Instrument :
MSVOA_D
ClientSampleId :
SB10

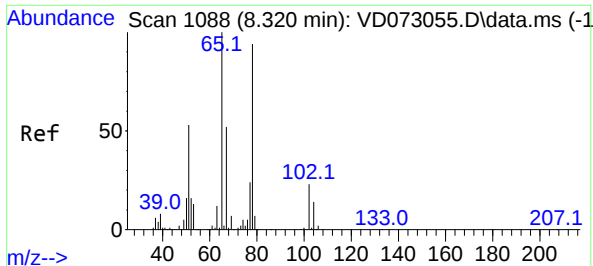
Tgt Ion: 77 Resp: 6164
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.4#



#31
Cyclohexane
Concen: 1.008 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073107.D
Acq: 18 May 2022 19:08

Tgt Ion: 56 Resp: 6224
Ion Ratio Lower Upper
56 100
69 216.3 25.4 38.2#
84 144.7 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 46.566 ug/l

RT: 8.320 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VD073107.D

Acq: 18 May 2022 19:08

Instrument :

MSVOA_D

ClientSampleId :

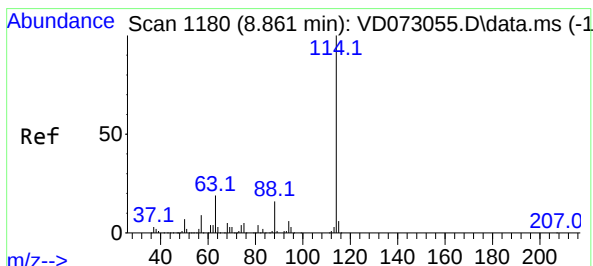
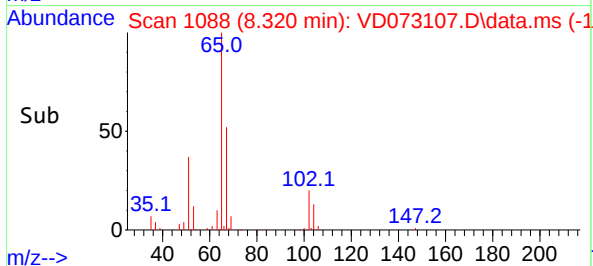
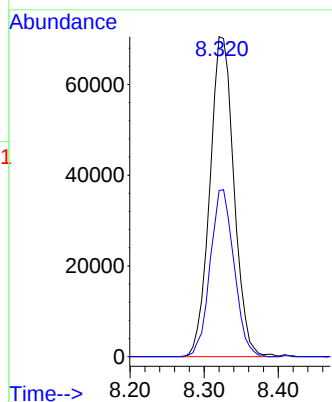
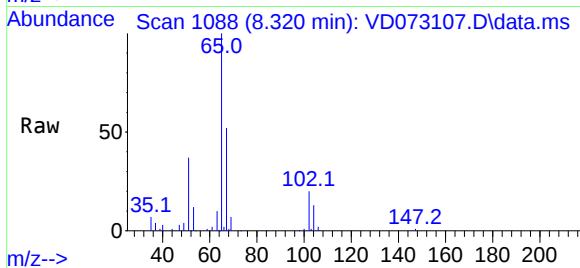
SB10

Tgt Ion: 65 Resp: 159651

Ion Ratio Lower Upper

65 100

67 51.7 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: VD073107.D

Acq: 18 May 2022 19:08

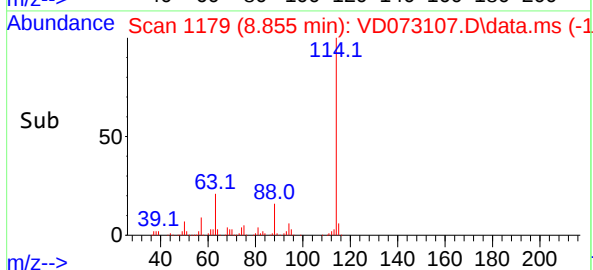
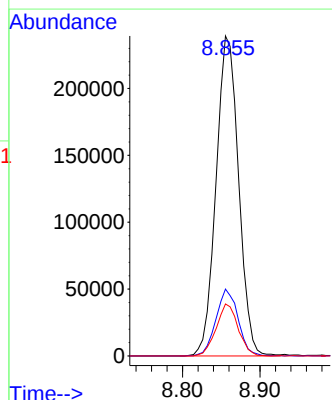
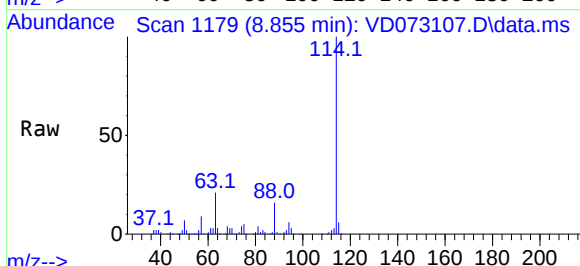
Tgt Ion: 114 Resp: 484770

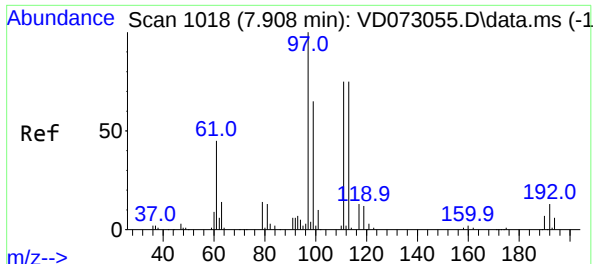
Ion Ratio Lower Upper

114 100

63 20.9 0.0 46.6

88 16.3 0.0 33.2

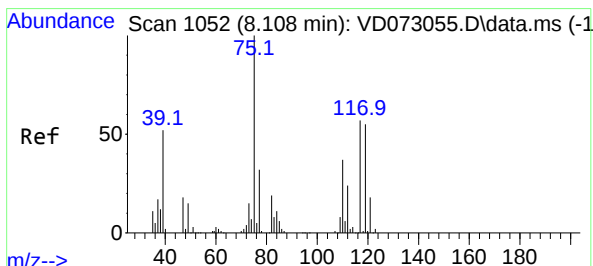
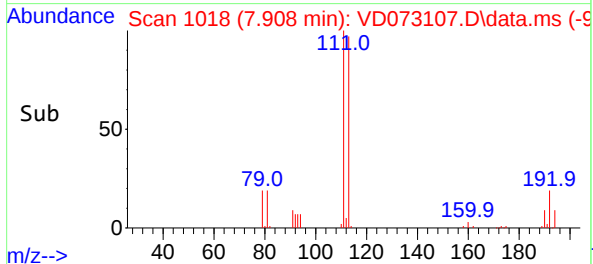
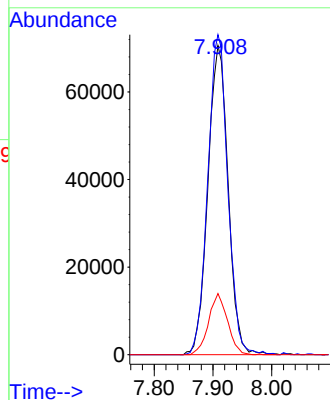
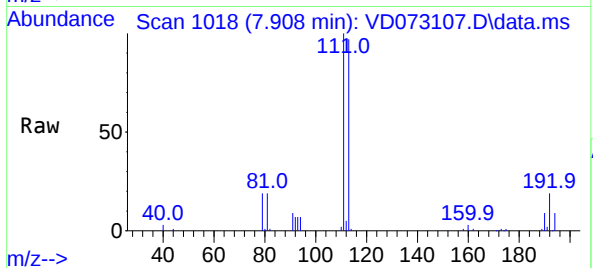




#35
Dibromofluoromethane
Concen: 49.601 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD073107.D
Acq: 18 May 2022 19:08

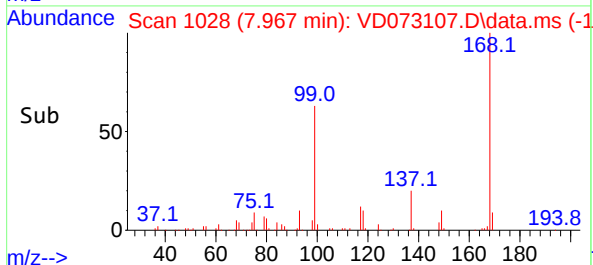
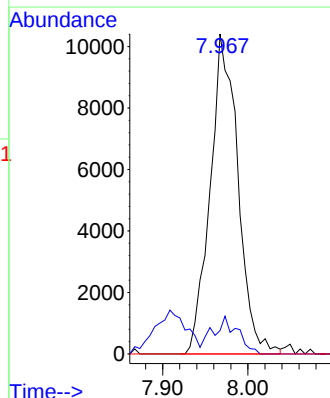
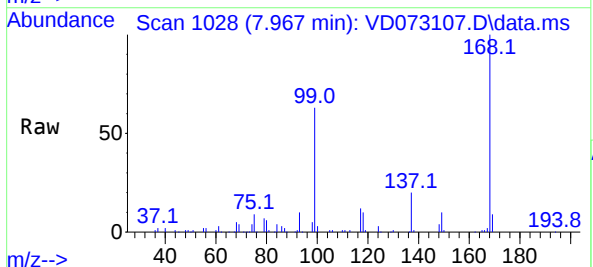
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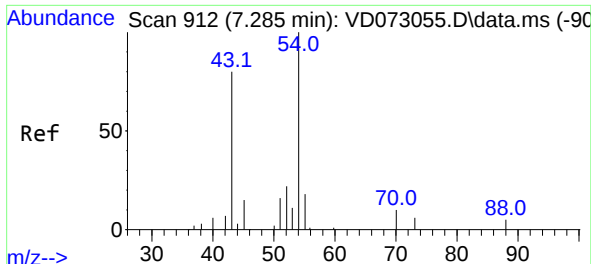
Tgt Ion:113 Resp: 168822
Ion Ratio Lower Upper
113 100
111 102.5 83.8 125.6
192 18.5 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.249 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD073107.D
Acq: 18 May 2022 19:08

Tgt Ion: 75 Resp: 23564
Ion Ratio Lower Upper
75 100
110 10.4 16.4 49.1#
77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 2.383 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.088 min

Lab File: VD073107.D

Acq: 18 May 2022 19:08

Instrument :

MSVOA_D

ClientSampleId :

SB10

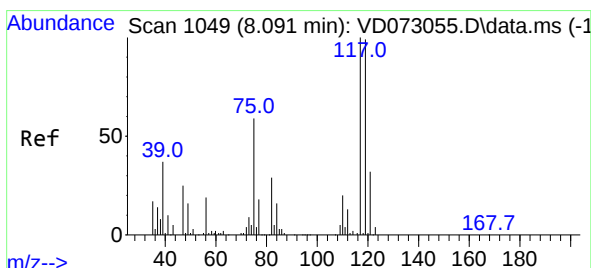
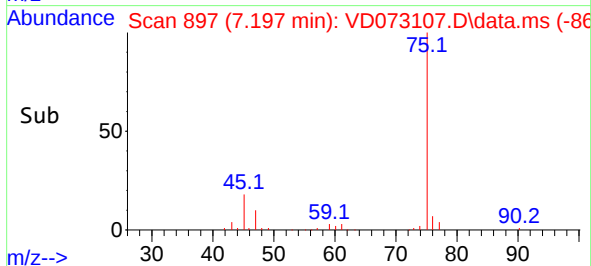
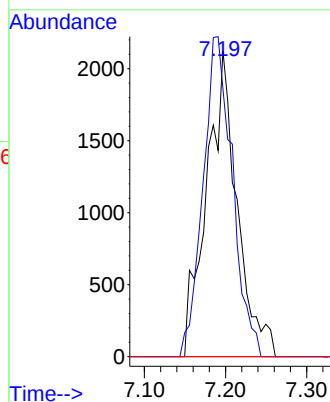
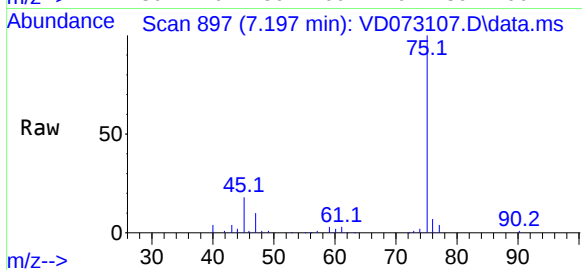
Tgt Ion: 43 Resp: 5550

Ion Ratio Lower Upper

43 100

61 100.9 9.8 14.8#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 5.394 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.123 min

Lab File: VD073107.D

Acq: 18 May 2022 19:08

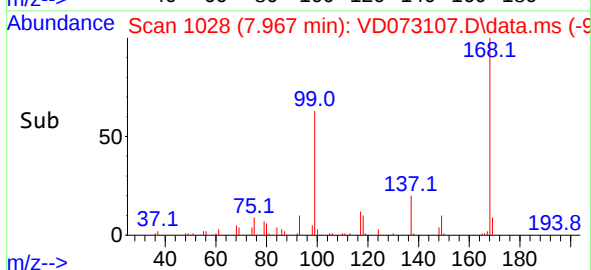
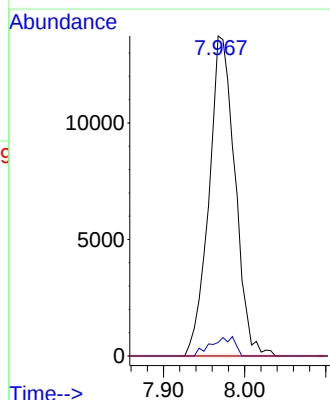
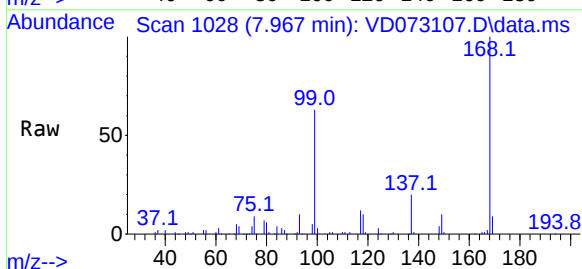
Tgt Ion: 117 Resp: 30604

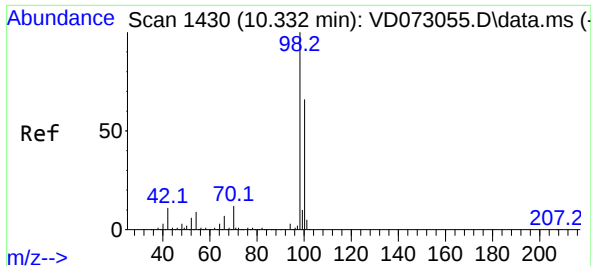
Ion Ratio Lower Upper

117 100

119 4.2 75.8 113.6#

121 0.0 24.5 36.7#

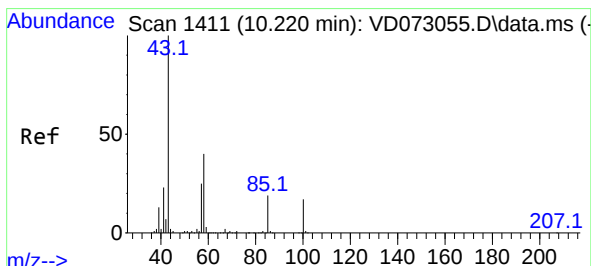
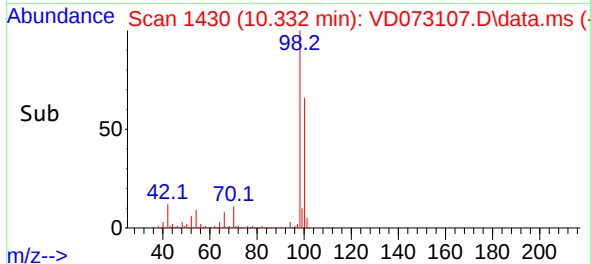
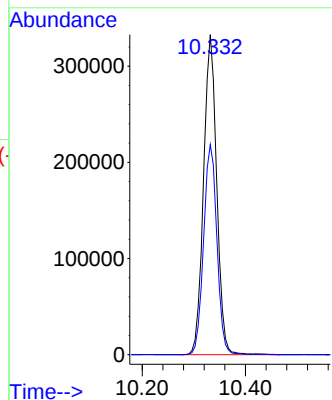
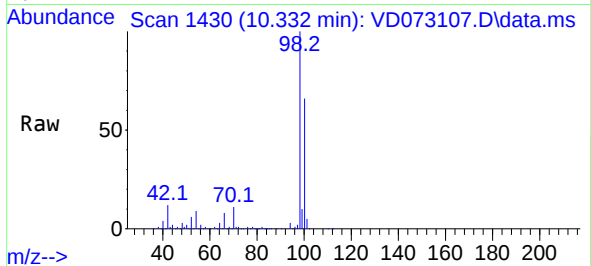




#50
Toluene-d8
Concen: 47.576 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073107.D
Acq: 18 May 2022 19:08

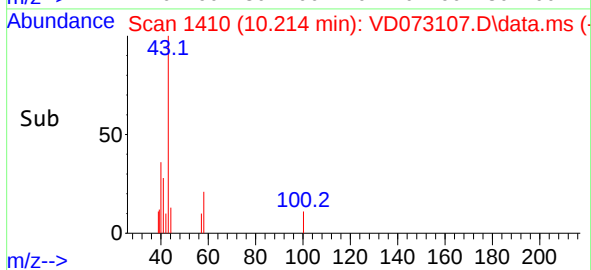
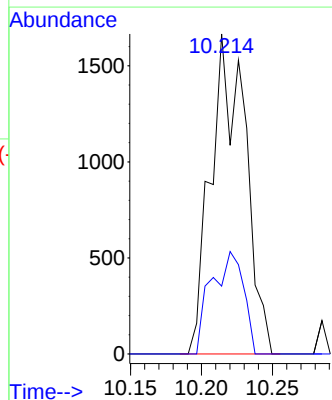
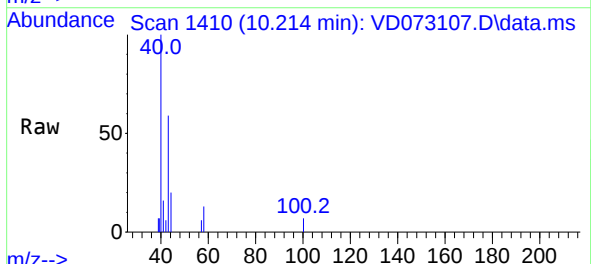
Instrument :
MSVOA_D
ClientSampleId :
SB10

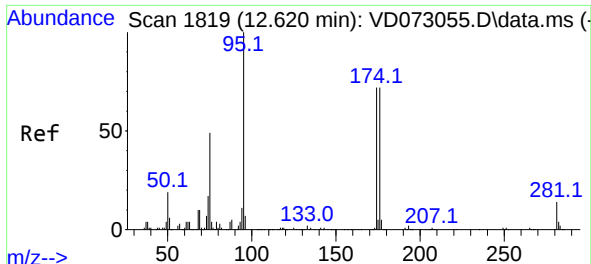
Tgt Ion: 98 Resp: 587456
Ion Ratio Lower Upper
98 100
100 66.4 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.251 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.006 min
Lab File: VD073107.D
Acq: 18 May 2022 19:08

Tgt Ion: 43 Resp: 2826
Ion Ratio Lower Upper
43 100
58 29.7 28.6 43.0

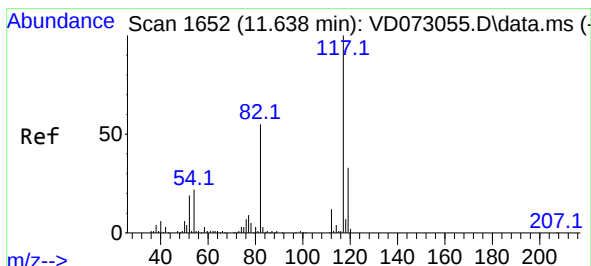
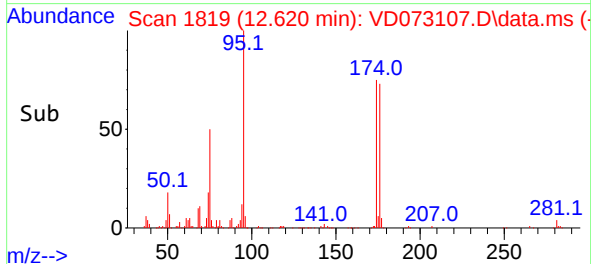
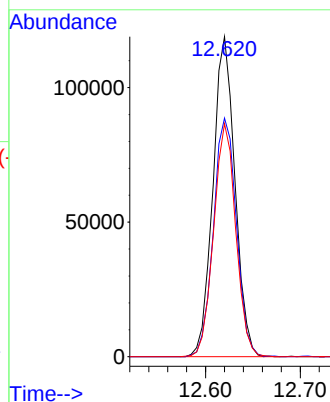
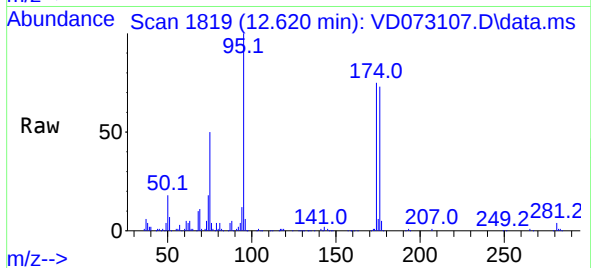




#62
4-Bromofluorobenzene
Concen: 42.795 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073107.D
Acq: 18 May 2022 19:08

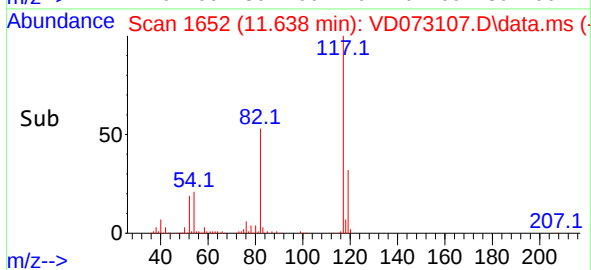
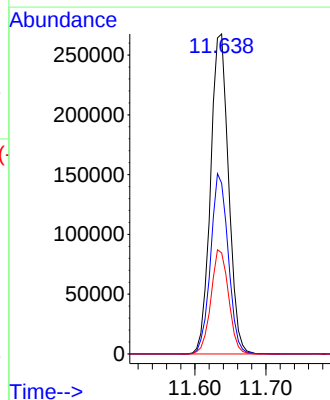
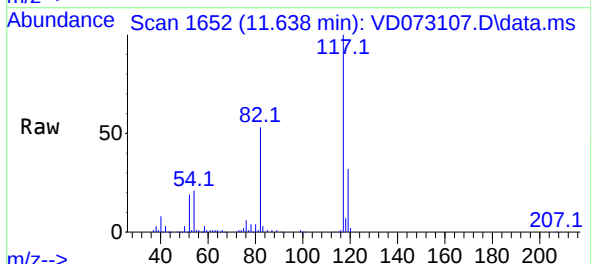
Instrument :
MSVOA_D
ClientSampleId :
SB10

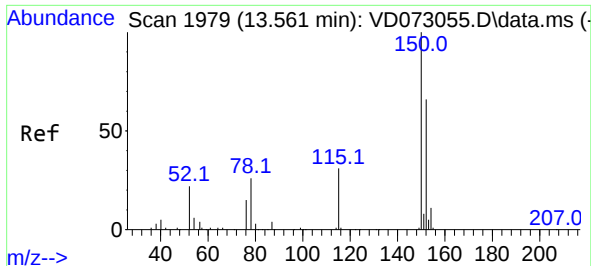
Tgt Ion: 95 Resp: 191390
Ion Ratio Lower Upper
95 100
174 78.0 0.0 152.8
176 73.3 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD073107.D
Acq: 18 May 2022 19:08

Tgt Ion: 117 Resp: 470862
Ion Ratio Lower Upper
117 100
82 53.3 45.3 67.9
119 31.6 26.6 40.0

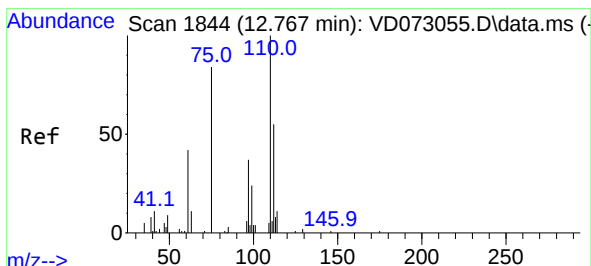
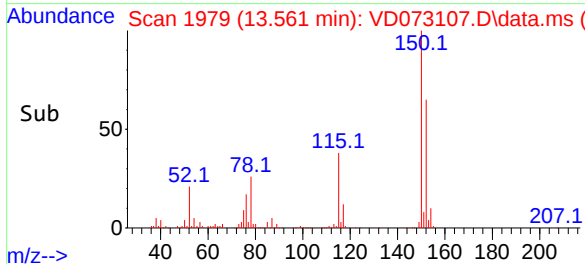
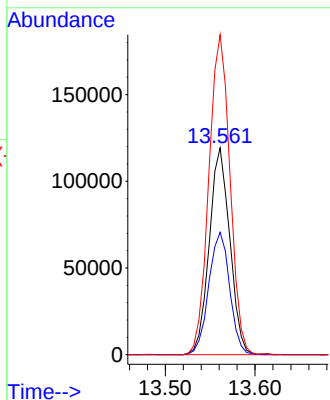
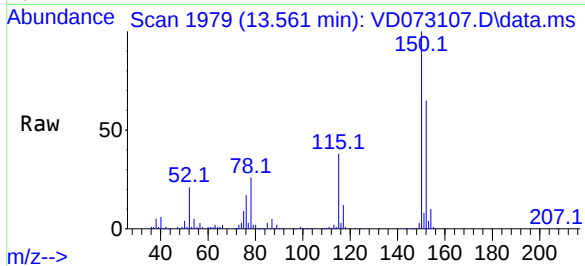




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073107.D
Acq: 18 May 2022 19:08

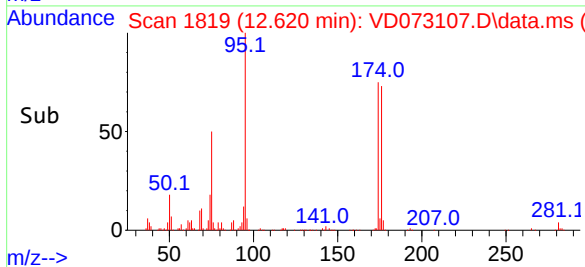
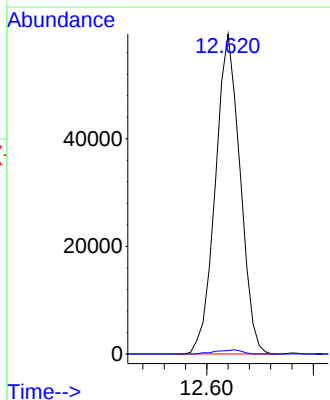
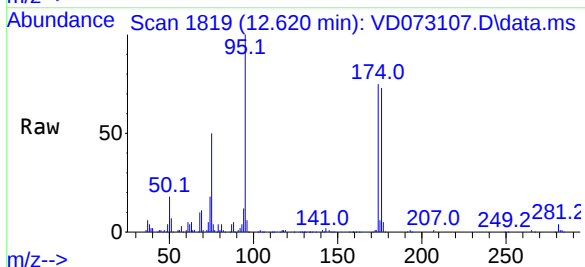
Instrument :
MSVOA_D
ClientSampleId :
SB10

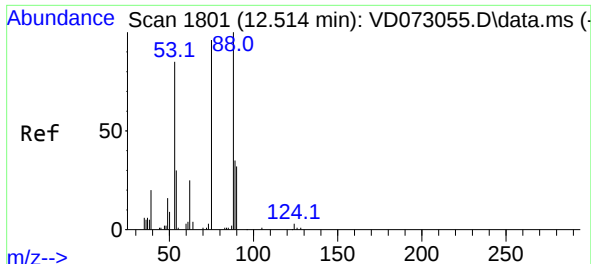
Tgt Ion:152 Resp: 190248
Ion Ratio Lower Upper
152 100
115 60.1 31.3 93.8
150 158.6 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 44.511 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073107.D
Acq: 18 May 2022 19:08

Tgt Ion: 75 Resp: 95727
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

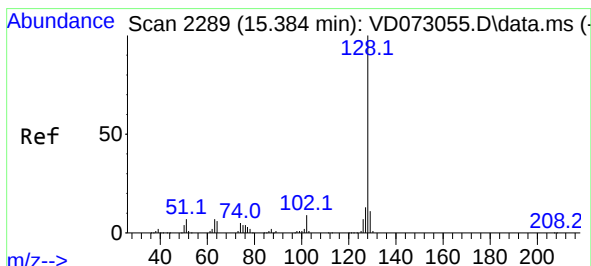
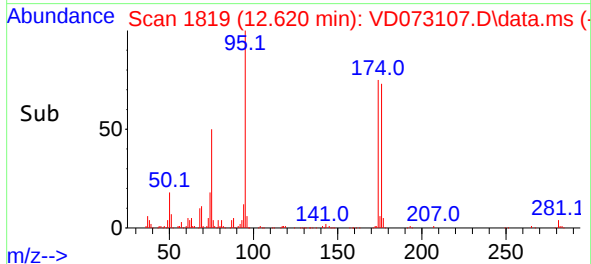
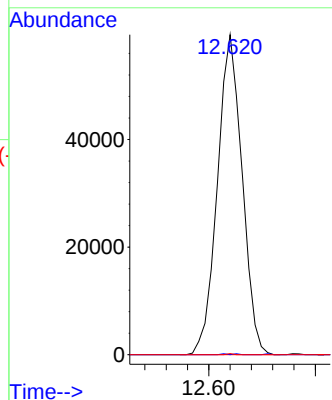
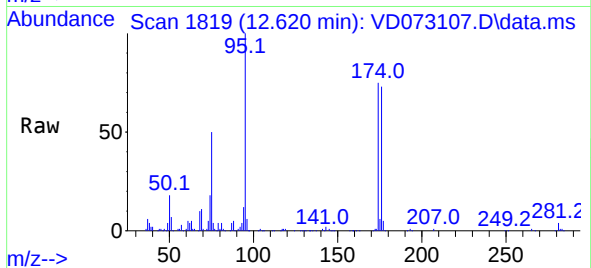




#81
trans-1,4-Dichloro-2-butene
Concen: 106.727 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073107.D
Acq: 18 May 2022 19:08

Instrument :
MSVOA_D
ClientSampleId :
SB10

Tgt Ion: 75 Resp: 95727
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#



#95
Naphthalene
Concen: 4.270 ug/l
RT: 15.367 min Scan# 2286
Delta R.T. -0.017 min
Lab File: VD073107.D
Acq: 18 May 2022 19:08

Tgt Ion:128 Resp: 82
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

