

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051822\
 Data File : VD073101.D
 Acq On : 18 May 2022 16:14
 Operator : VA/SY
 Sample : N2832-02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB08

Quant Time: May 19 04:45:21 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)

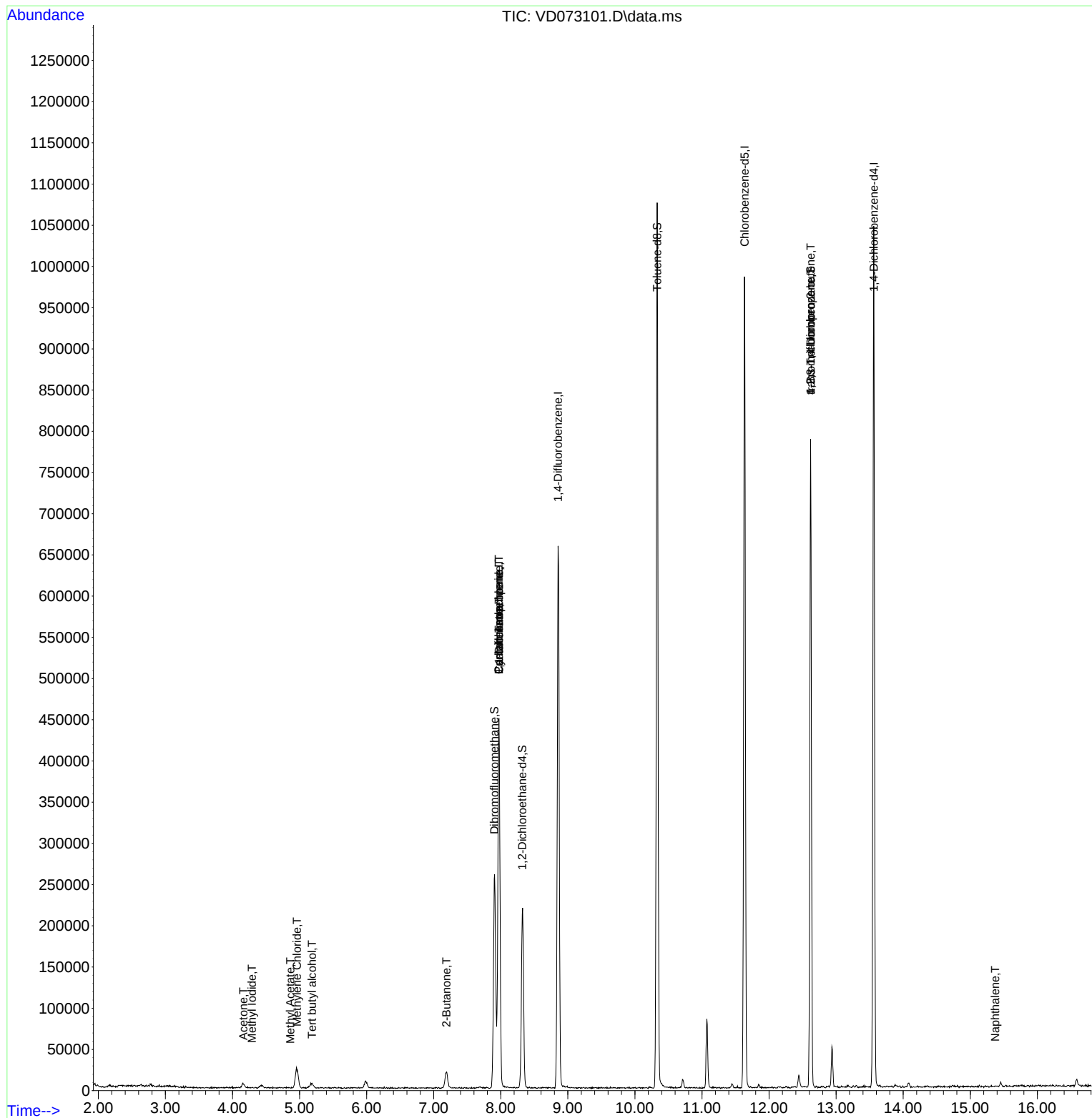
Internal Standards						
1) Pentafluorobenzene	7.973	168	322859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	569202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	582975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	263118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	175613	43.494	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.980%		
35) Dibromofluoromethane	7.903	113	188979	47.287	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.580%		
50) Toluene-d8	10.332	98	695862	47.996	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.000%		
62) 4-Bromofluorobenzene	12.620	95	256181	48.785	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.580%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	443	4.364	ug/l #	73
11) Tert butyl alcohol	5.185	59	1790	2.866	ug/l #	74
16) Acetone	4.162	43	10461	14.317	ug/l	98
18) Methyl Acetate	4.862	43	71	1.491	ug/l #	55
20) Methylene Chloride	4.962	84	18863	3.557	ug/l #	77
25) 2-Butanone	7.191	43	1540	1.392	ug/l #	52
31) Cyclohexane	7.973	56	7388	1.016	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	26866	4.126	ug/l #	50
38) Carbon Tetrachloride	7.973	117	34292	5.147	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	130515	43.880	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	130515	105.214	ug/l #	7
95) Naphthalene	15.373	128	545	4.309	ug/l #	70

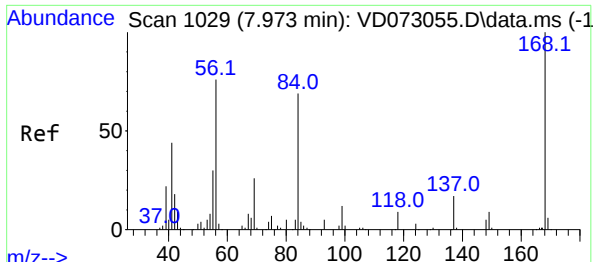
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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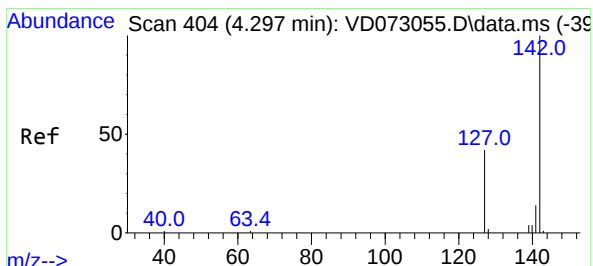
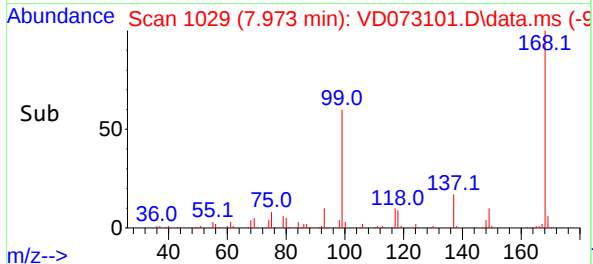
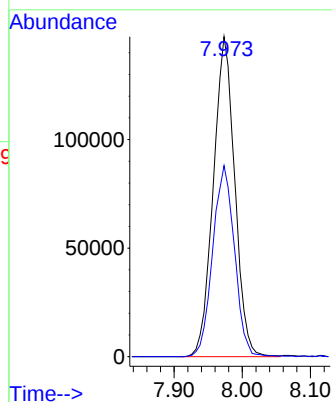
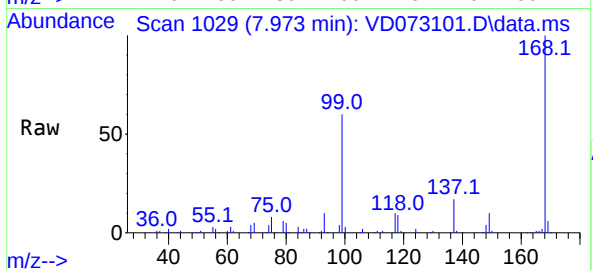




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073101.D
Acq: 18 May 2022 16:14

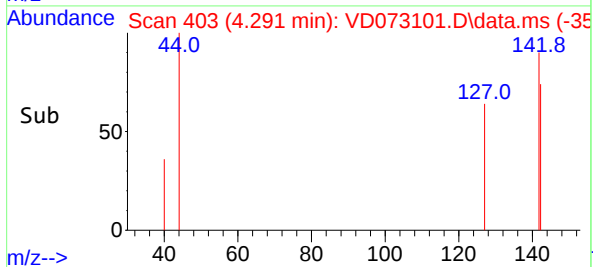
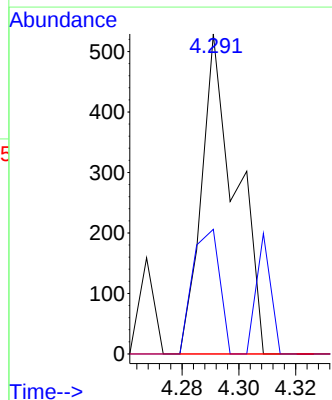
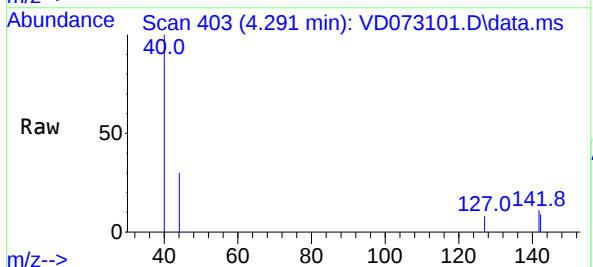
Instrument :
MSVOA_D
ClientSampleId :
SB08

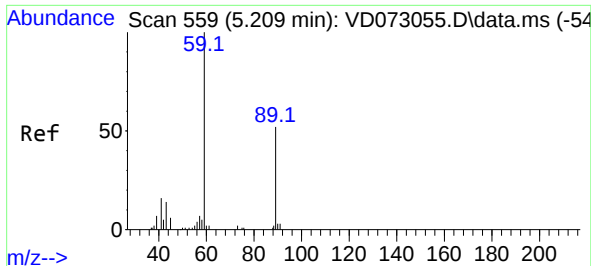
Tgt Ion:168 Resp: 322859
Ion Ratio Lower Upper
168 100
99 59.7 49.8 74.6



#10
Methyl Iodide
Concen: 4.364 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD073101.D
Acq: 18 May 2022 16:14

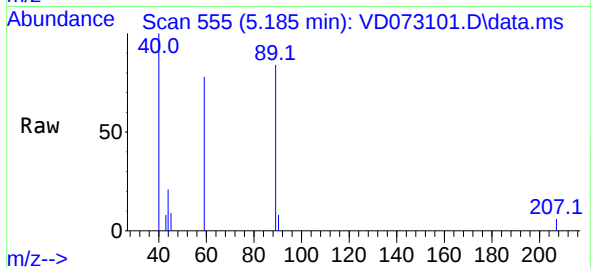
Tgt Ion:142 Resp: 443
Ion Ratio Lower Upper
142 100
127 30.7 37.3 55.9#
141 0.0 11.7 17.5#



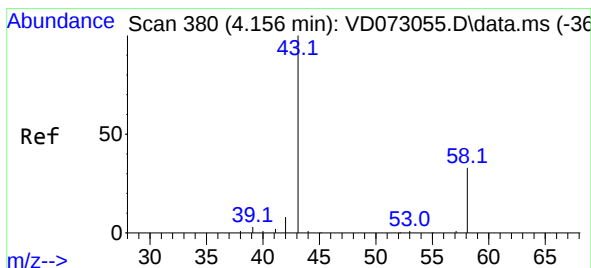
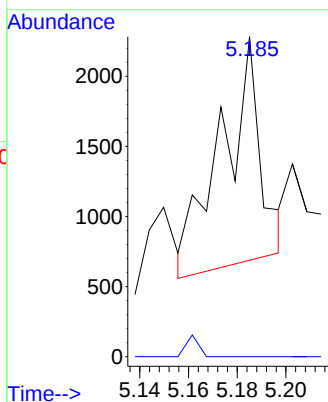
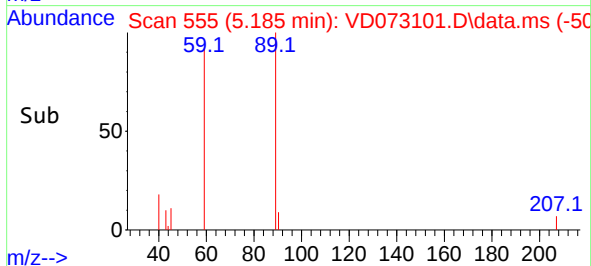


#11
Tert butyl alcohol
Concen: 2.866 ug/l
RT: 5.185 min Scan# 511
Delta R.T. -0.024 min
Lab File: VD073101.D
Acq: 18 May 2022 16:14

Instrument :
MSVOA_D
ClientSampleId :
SB08

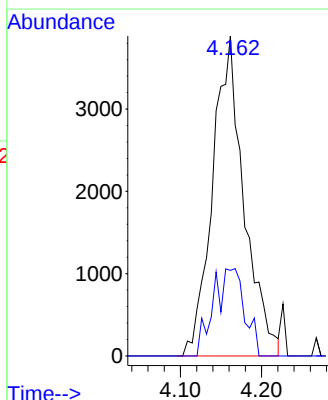
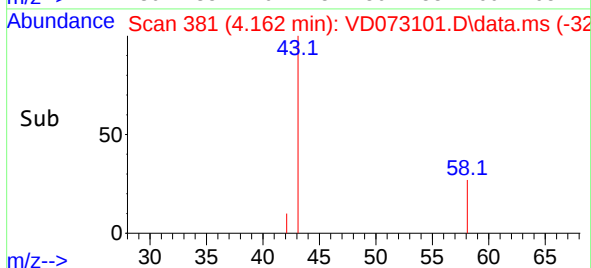
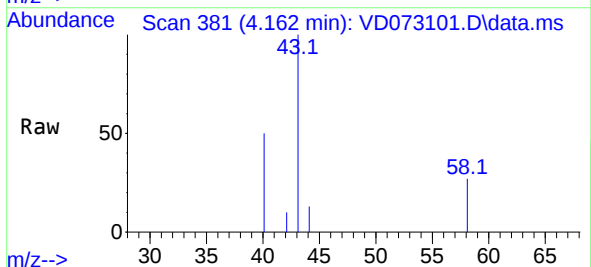


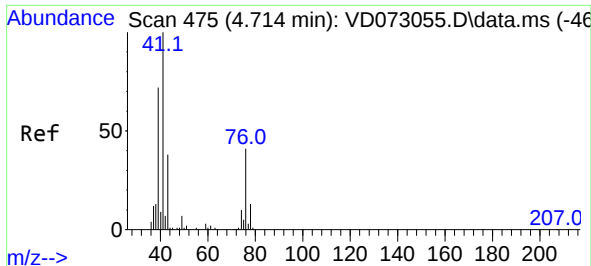
Tgt Ion: 59 Resp: 1790
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 14.317 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073101.D
Acq: 18 May 2022 16:14

Tgt Ion: 43 Resp: 10461
Ion Ratio Lower Upper
43 100
58 26.8 22.1 33.1





#18

Methyl Acetate

Concen: 1.491 ug/l

RT: 4.862 min Scan# 50

Delta R.T. 0.148 min

Lab File: VD073101.D

Acq: 18 May 2022 16:14

Instrument :

MSVOA_D

ClientSampleId :

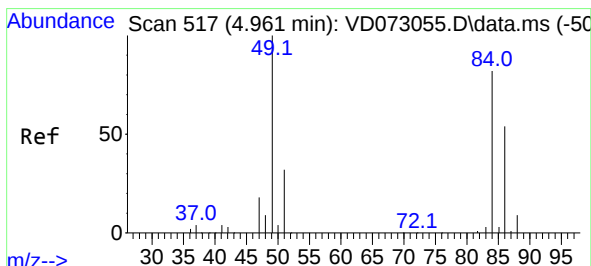
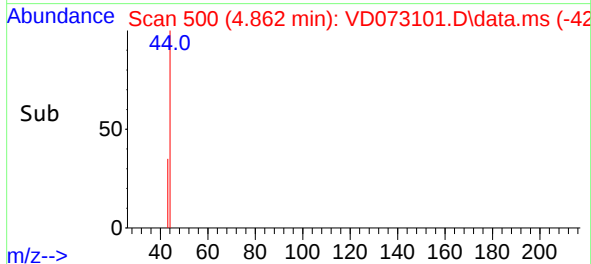
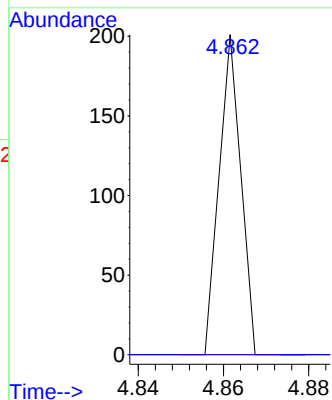
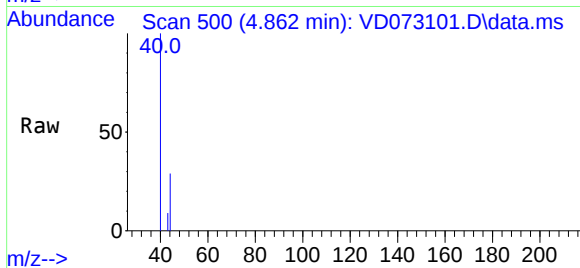
SB08

Tgt Ion: 43 Resp: 71

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#20

Methylene Chloride

Concen: 3.557 ug/l

RT: 4.962 min Scan# 517

Delta R.T. 0.000 min

Lab File: VD073101.D

Acq: 18 May 2022 16:14

Tgt Ion: 84 Resp: 18863

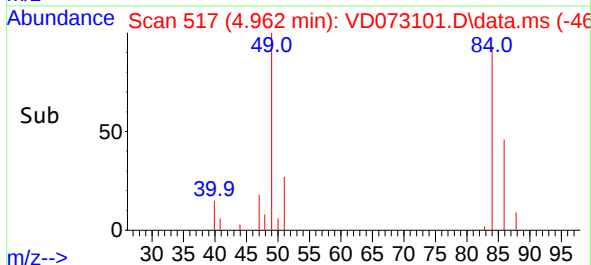
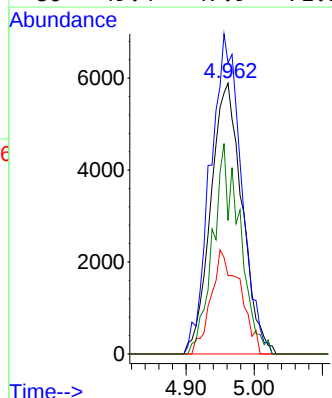
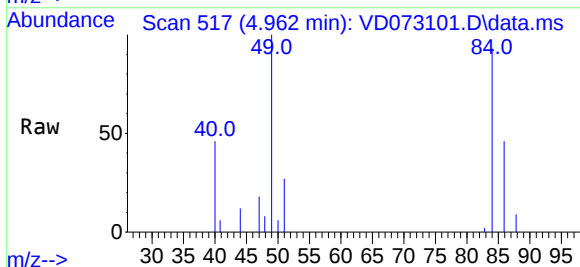
Ion Ratio Lower Upper

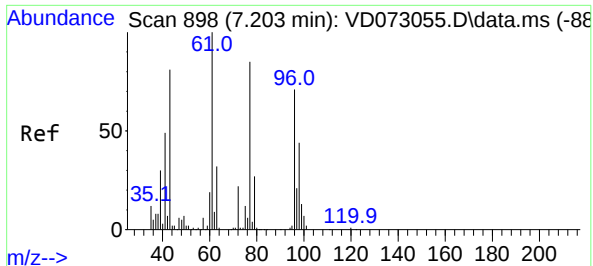
84 100

49 107.6 112.8 169.2#

51 28.9 32.6 48.8#

86 49.4 47.9 71.9





#25

2-Butanone

Concen: 1.392 ug/l

RT: 7.191 min Scan# 89

Delta R.T. -0.012 min

Lab File: VD073101.D

Acq: 18 May 2022 16:14

Instrument :

MSVOA_D

ClientSampleId :

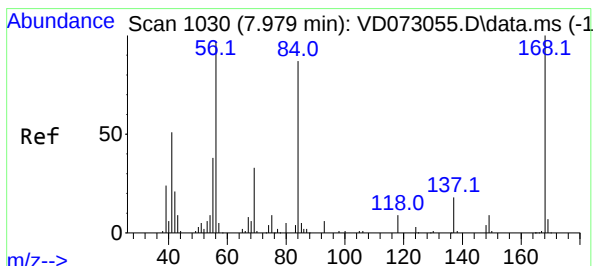
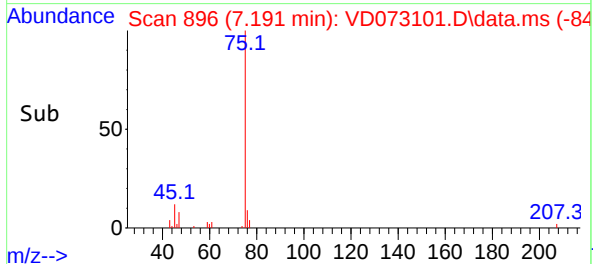
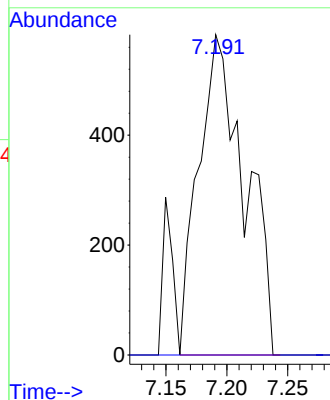
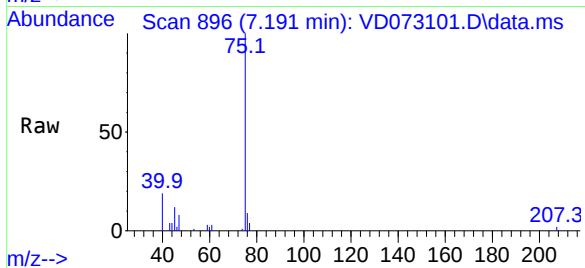
SB08

Tgt Ion: 43 Resp: 1540

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#31

Cyclohexane

Concen: 1.016 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073101.D

Acq: 18 May 2022 16:14

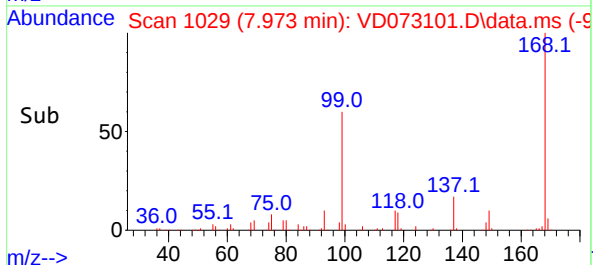
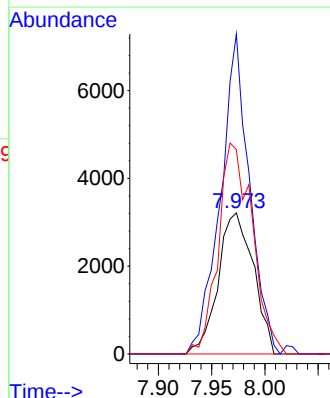
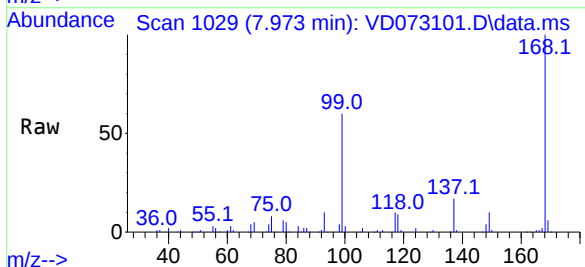
Tgt Ion: 56 Resp: 7388

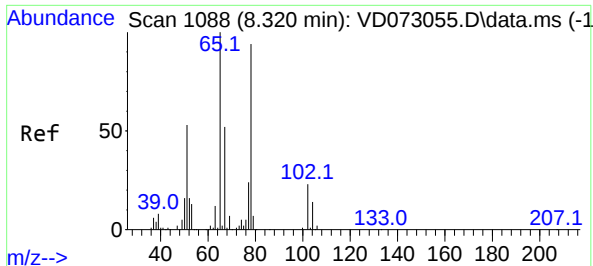
Ion Ratio Lower Upper

56 100

69 226.7 25.4 38.2#

84 144.8 63.0 94.4#

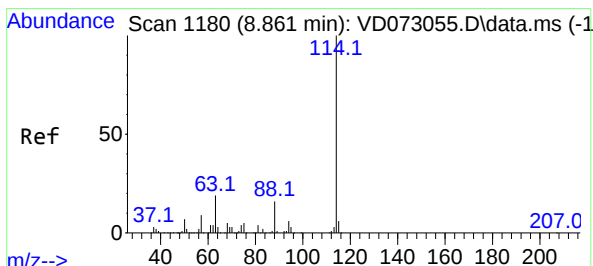
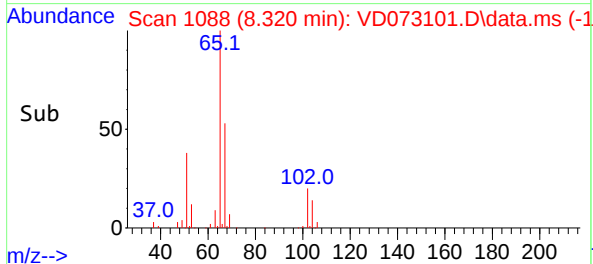
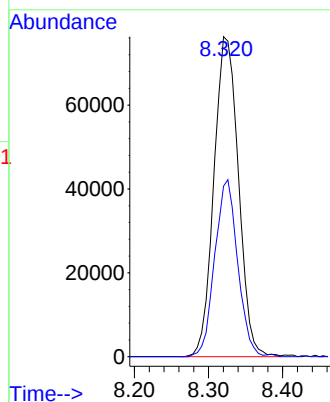
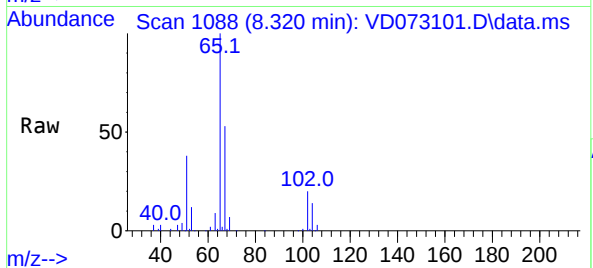




#33
1,2-Dichloroethane-d4
Concen: 43.494 ug/l
RT: 8.320 min Scan# 1107
Delta R.T. 0.000 min
Lab File: VD073101.D
Acq: 18 May 2022 16:14

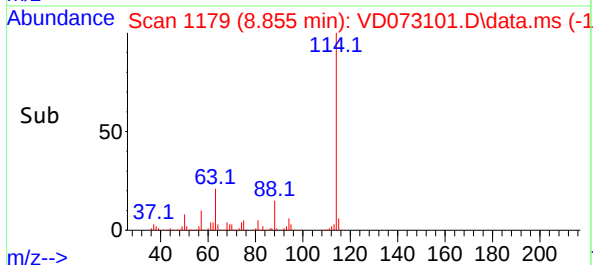
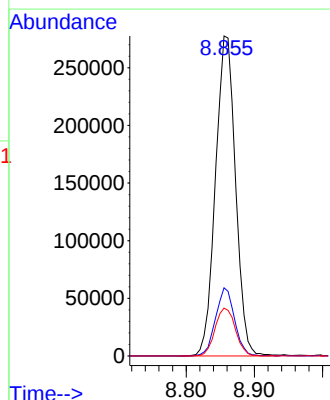
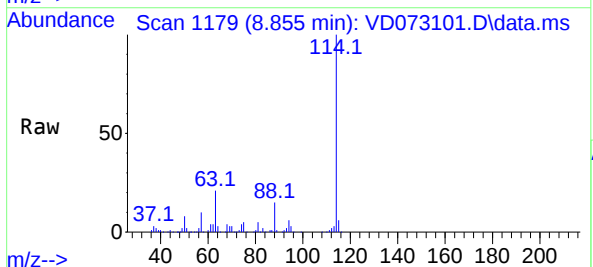
Instrument :
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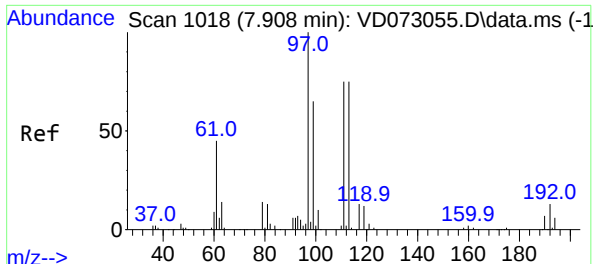
Tgt Ion: 65 Resp: 175613
Ion Ratio Lower Upper
65 100
67 51.8 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VD073101.D
Acq: 18 May 2022 16:14

Tgt Ion: 114 Resp: 569202
Ion Ratio Lower Upper
114 100
63 21.3 0.0 46.6
88 15.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.287 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD073101.D

Acq: 18 May 2022 16:14

Instrument :

MSVOA_D

ClientSampleId :

SB08

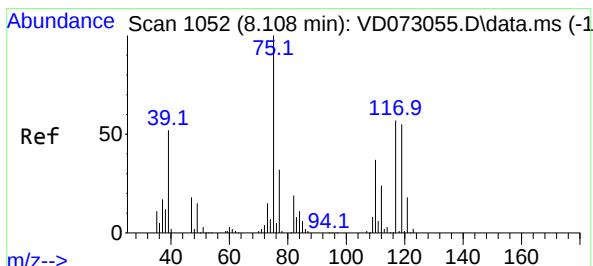
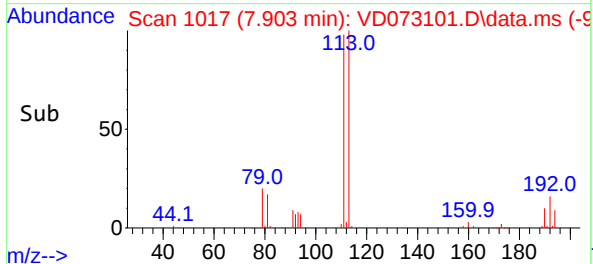
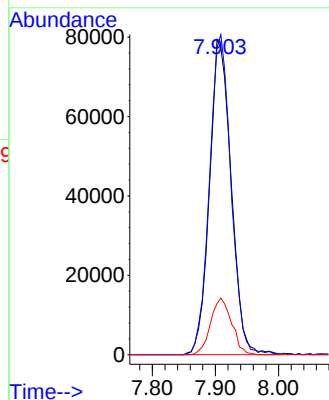
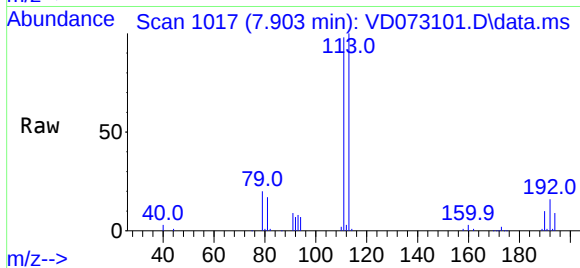
Tgt Ion:113 Resp: 188979

Ion Ratio Lower Upper

113 100

111 101.3 83.8 125.6

192 17.5 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.126 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073101.D

Acq: 18 May 2022 16:14

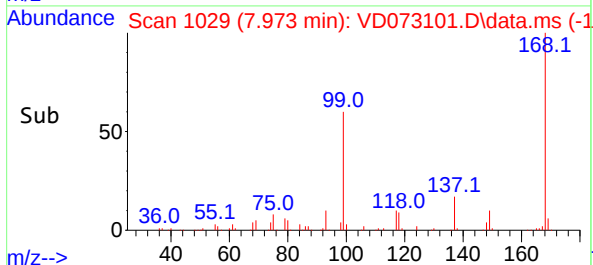
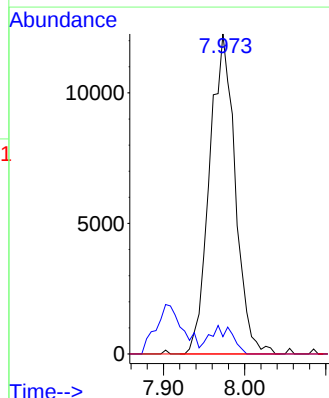
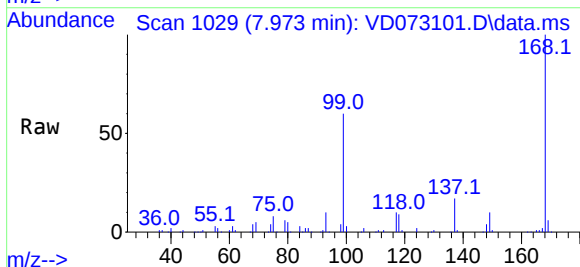
Tgt Ion: 75 Resp: 26866

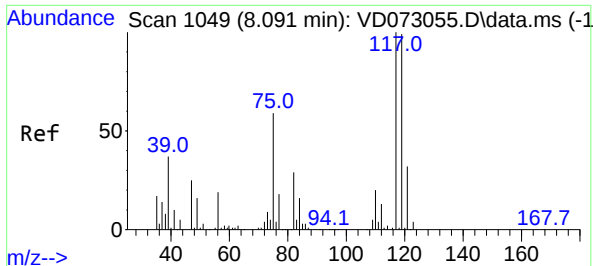
Ion Ratio Lower Upper

75 100

110 7.8 16.4 49.1#

77 0.0 24.2 36.2#

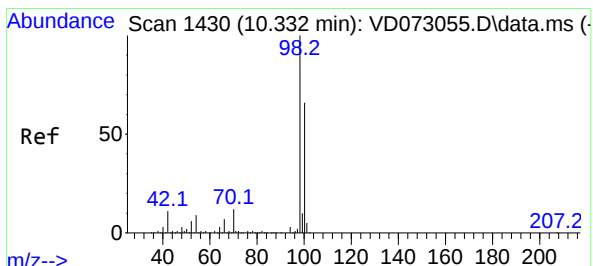
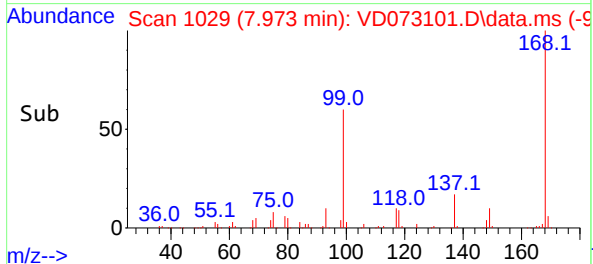
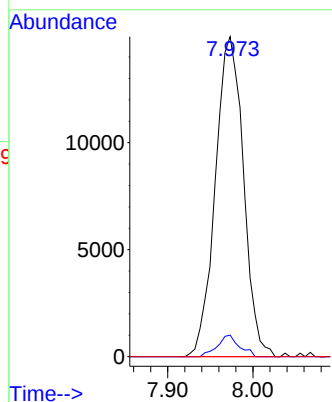
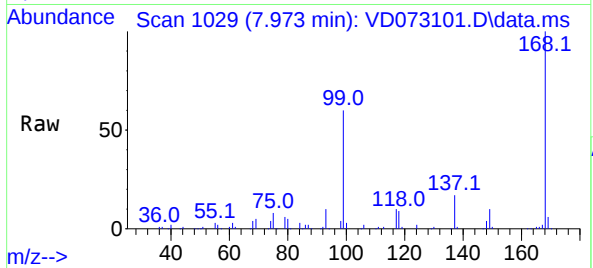




#38
Carbon Tetrachloride
Concen: 5.147 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073101.D
Acq: 18 May 2022 16:14

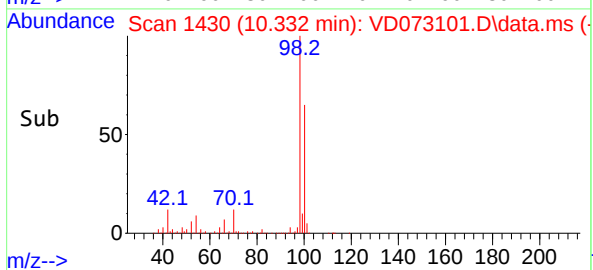
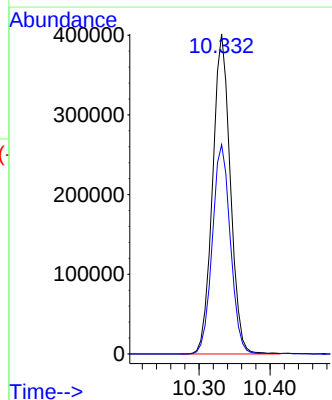
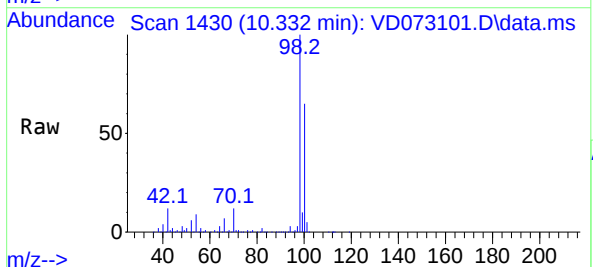
Instrument :
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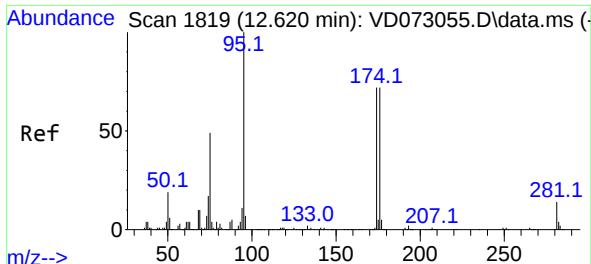
Tgt Ion:117 Resp: 34292
Ion Ratio Lower Upper
117 100
119 6.8 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 47.996 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073101.D
Acq: 18 May 2022 16:14

Tgt Ion: 98 Resp: 695862
Ion Ratio Lower Upper
98 100
100 66.8 52.4 78.6

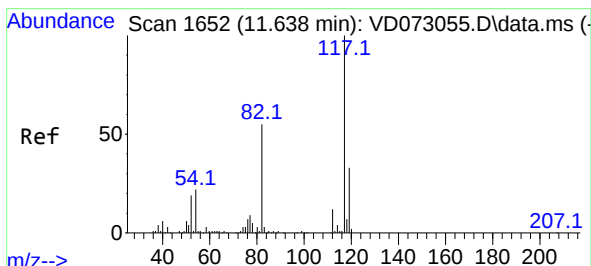
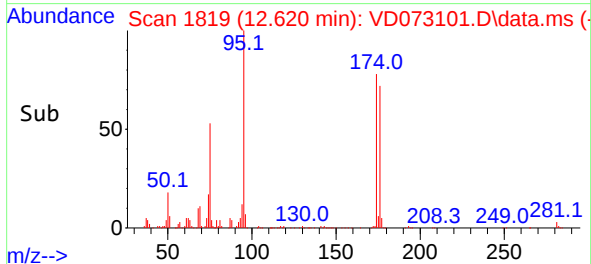
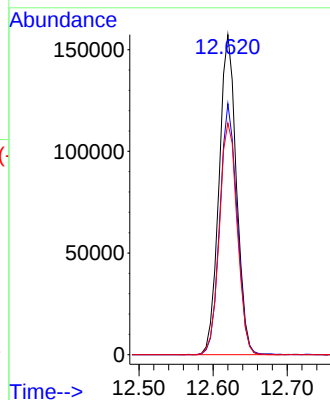
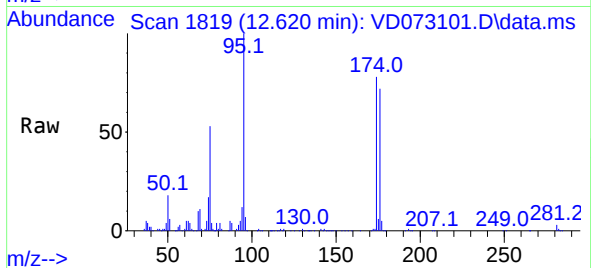




#62
4-Bromofluorobenzene
Concen: 48.785 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073101.D
Acq: 18 May 2022 16:14

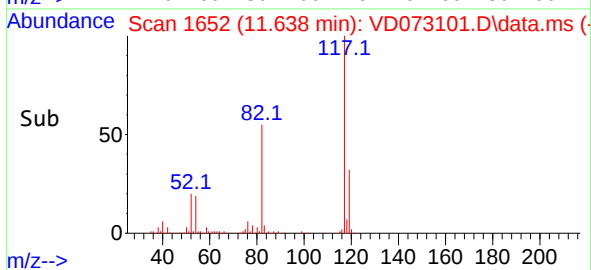
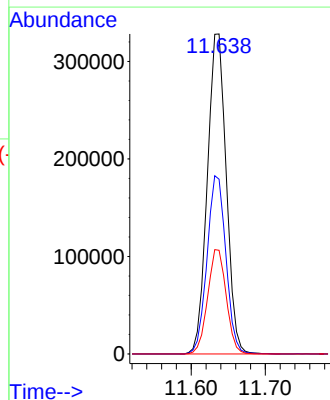
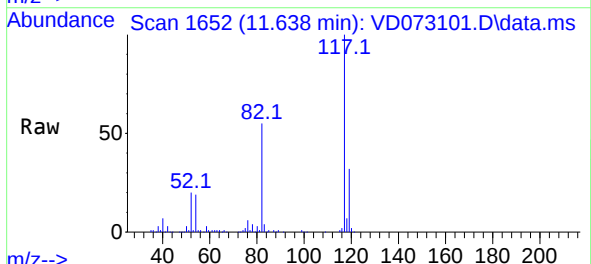
Instrument :
MSVOA_D
ClientSampleId :
SB08

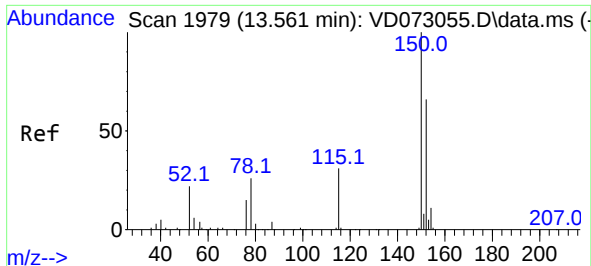
Tgt Ion: 95 Resp: 256181
Ion Ratio Lower Upper
95 100
174 77.9 0.0 152.8
176 74.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD073101.D
Acq: 18 May 2022 16:14

Tgt Ion: 117 Resp: 582975
Ion Ratio Lower Upper
117 100
82 54.6 45.3 67.9
119 32.4 26.6 40.0

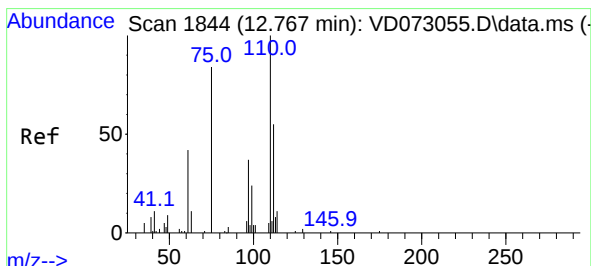
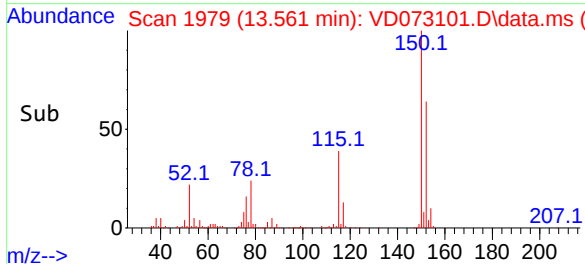
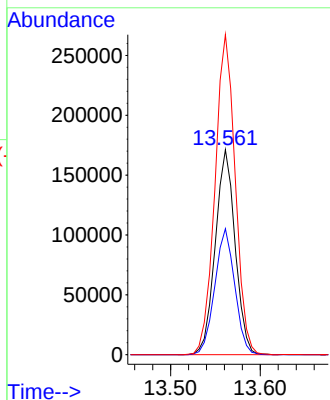
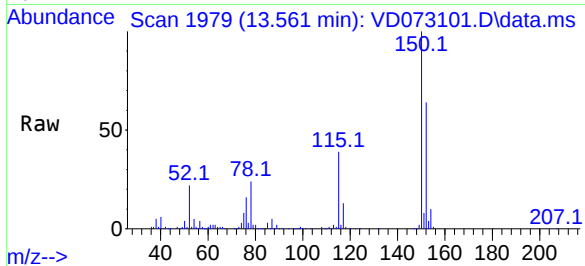




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073101.D
Acq: 18 May 2022 16:14

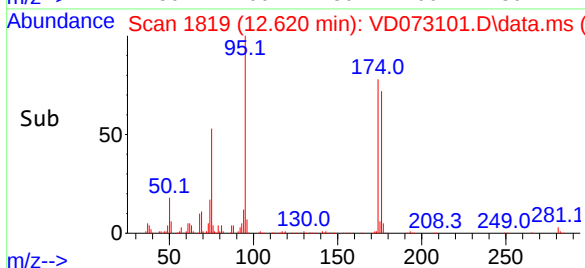
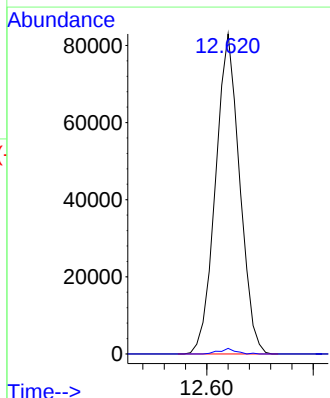
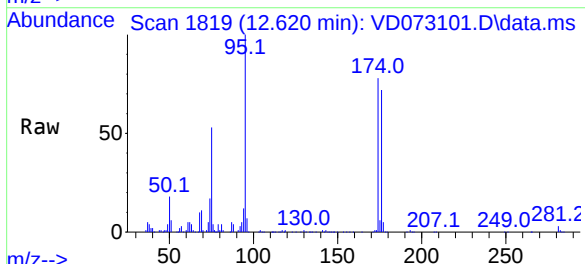
Instrument :
MSVOA_D
ClientSampleId :
SB08

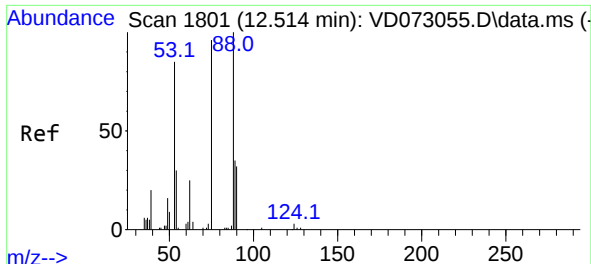
Tgt Ion:152 Resp: 263118
Ion Ratio Lower Upper
152 100
115 61.8 31.3 93.8
150 159.3 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 43.880 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073101.D
Acq: 18 May 2022 16:14

Tgt Ion: 75 Resp: 130515
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

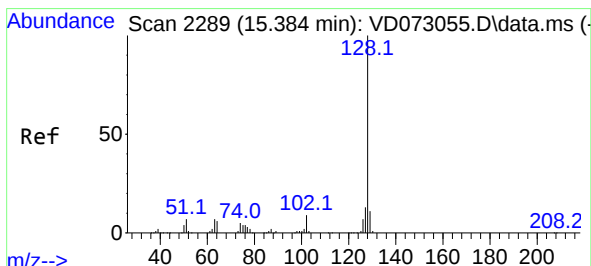
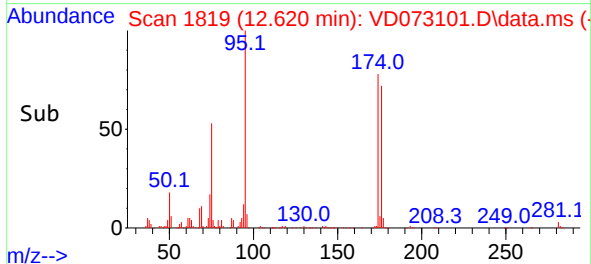
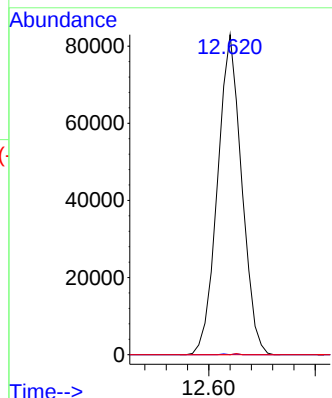
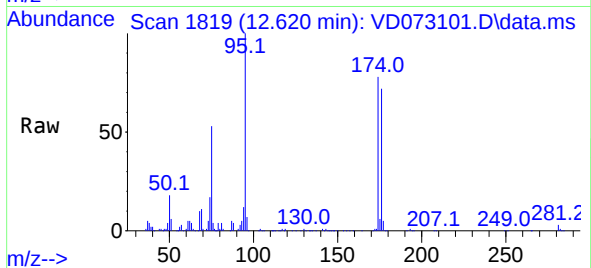




#81
trans-1,4-Dichloro-2-butene
Concen: 105.214 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD073101.D
Acq: 18 May 2022 16:14

Instrument :
MSVOA_D
ClientSampleId :
SB08

Tgt Ion: 75 Resp: 130515
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#



#95
Naphthalene
Concen: 4.309 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.011 min
Lab File: VD073101.D
Acq: 18 May 2022 16:14

Tgt Ion: 128 Resp: 545
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

