

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051822\
 Data File : VD073120.D
 Acq On : 19 May 2022 03:15
 Operator : VA/SY
 Sample : N2901-01
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-02-051322

Quant Time: May 19 04:55:47 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)

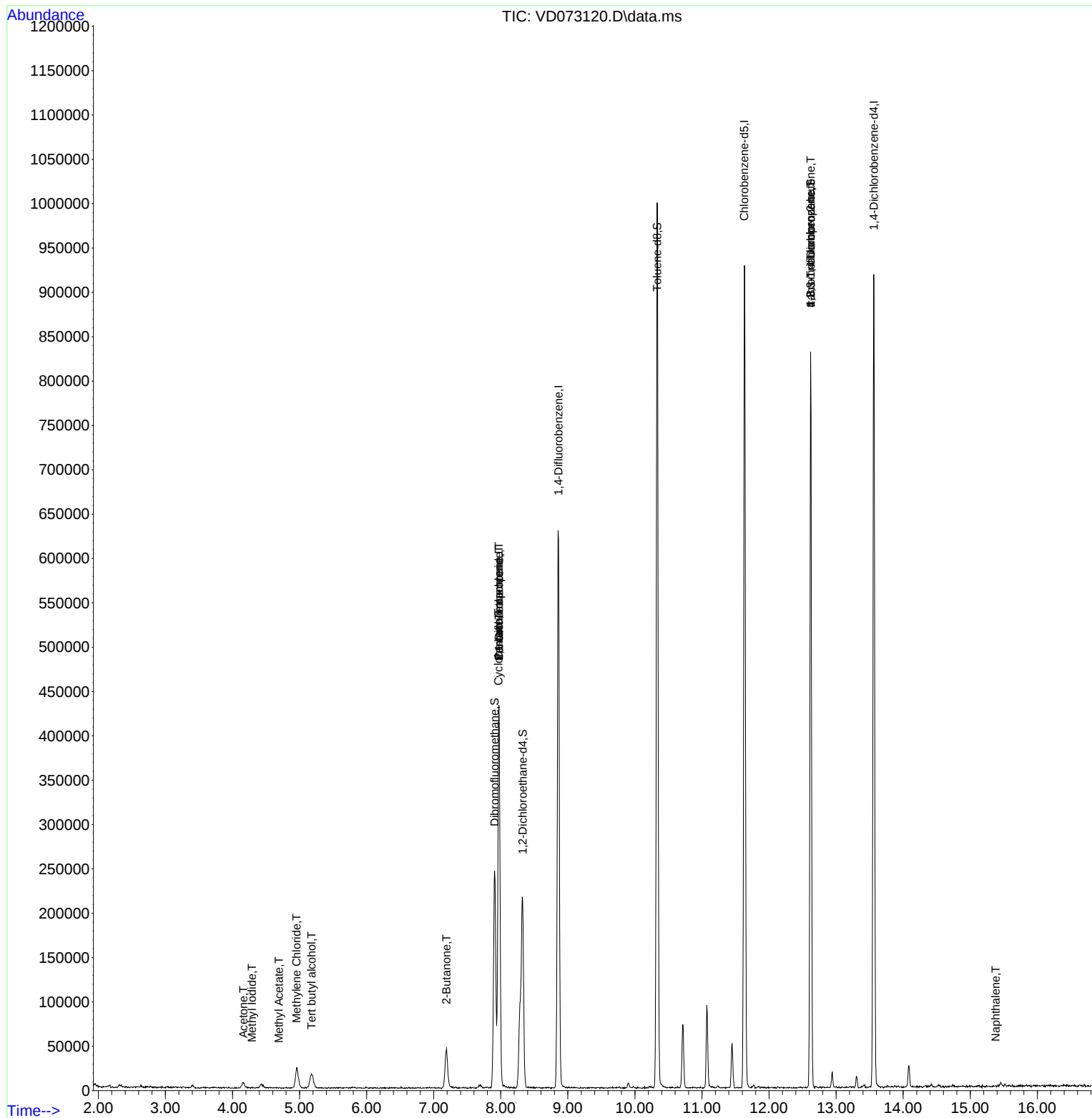
Internal Standards						
1) Pentafluorobenzene	7.973	168	307320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	540493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.631	117	558703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	240207	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	168385	43.813	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.620%		
35) Dibromofluoromethane	7.908	113	179983	47.428	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.860%		
50) Toluene-d8	10.331	98	665552	48.344	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.680%		
62) 4-Bromofluorobenzene	12.620	95	237985	47.727	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.460%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	292	4.338	ug/l #	60
11) Tert butyl alcohol	5.179	59	16127	27.129	ug/l #	74
16) Acetone	4.161	43	11493	16.525	ug/l	93
18) Methyl Acetate	4.691	43	68	1.491	ug/l #	55
20) Methylene Chloride	4.955	84	17304	3.428	ug/l #	80
25) 2-Butanone	7.190	43	1963	1.864	ug/l #	52
31) Cyclohexane	7.967	56	7375	1.065	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	26948	4.358	ug/l #	52
38) Carbon Tetrachloride	7.973	117	33272	5.259	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	124581	45.880	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	124581	110.009	ug/l #	7
95) Naphthalene	15.378	128	170	4.277	ug/l #	70

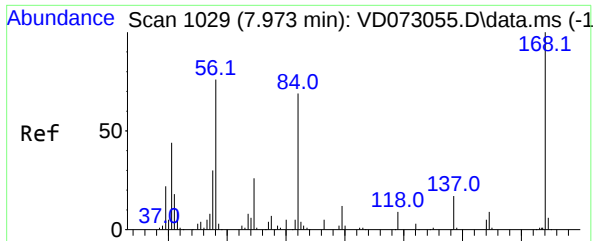
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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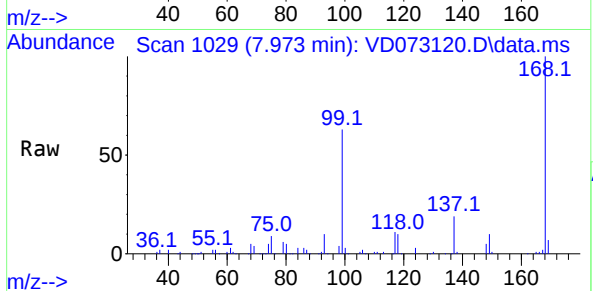
Quant Time: May 19 04:55:47 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
Quant Title : SW846 8260
QLast Update : Wed May 18 04:58:34 2022
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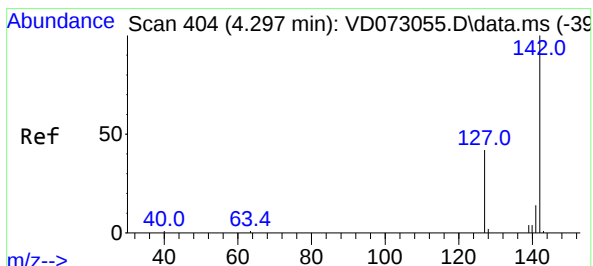
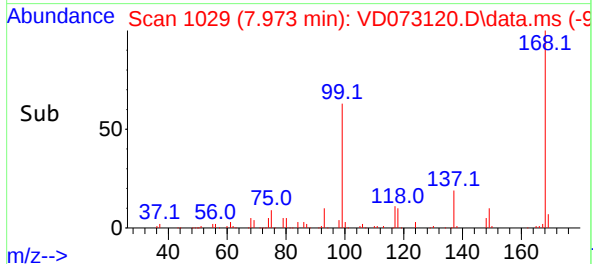
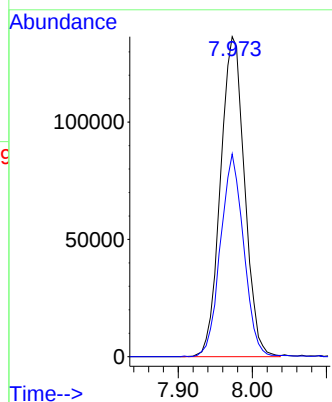


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD073120.D
Acq: 19 May 2022 03:15

Instrument :
MSVOA_D
ClientSampleId :
HR-02-051322

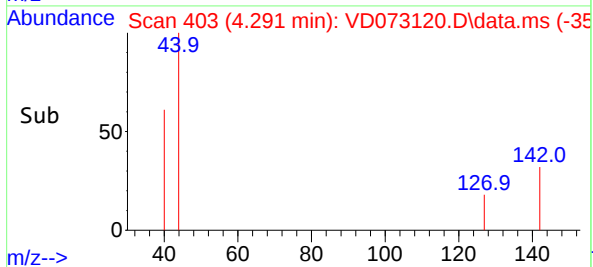
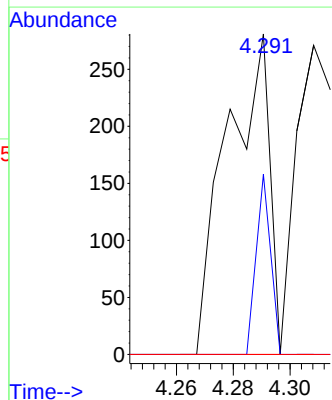
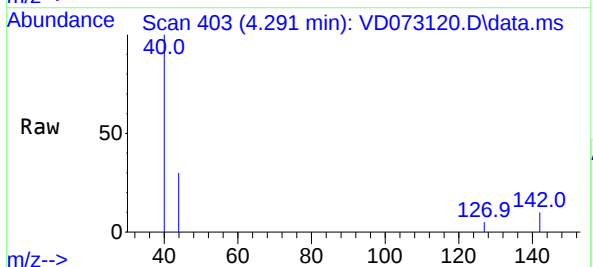


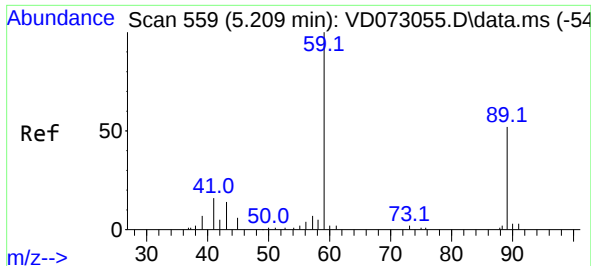
Tgt Ion:168 Resp: 307320
Ion Ratio Lower Upper
168 100
99 63.4 49.8 74.6



#10
Methyl Iodide
Concen: 4.338 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD073120.D
Acq: 19 May 2022 03:15

Tgt Ion:142 Resp: 292
Ion Ratio Lower Upper
142 100
127 19.2 37.3 55.9#
141 0.0 11.7 17.5#

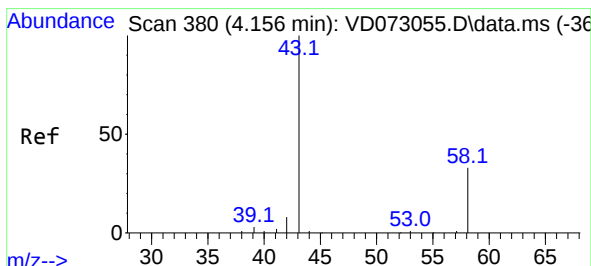
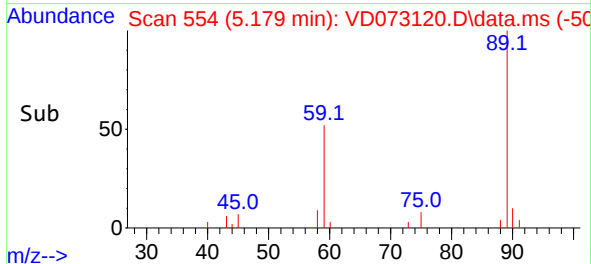
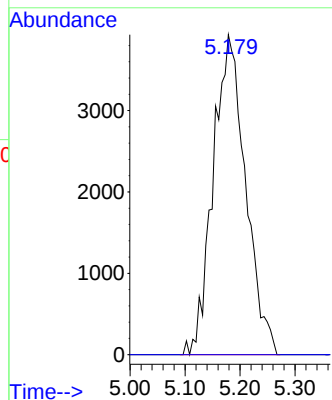
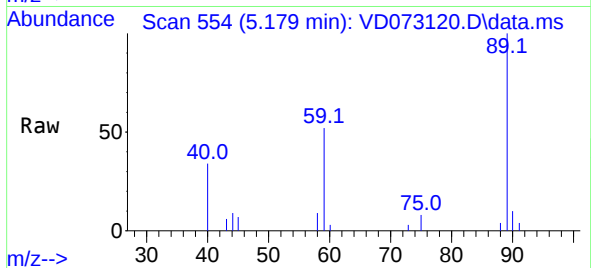




#11
Tert butyl alcohol
Concen: 27.129 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073120.D
Acq: 19 May 2022 03:15

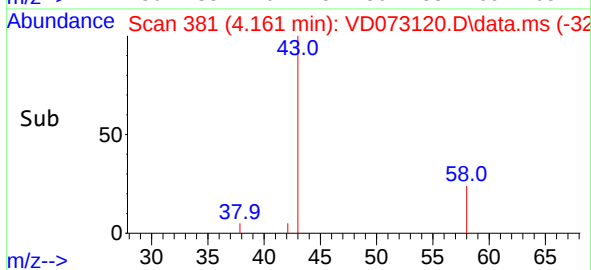
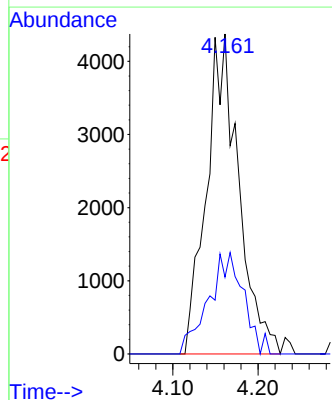
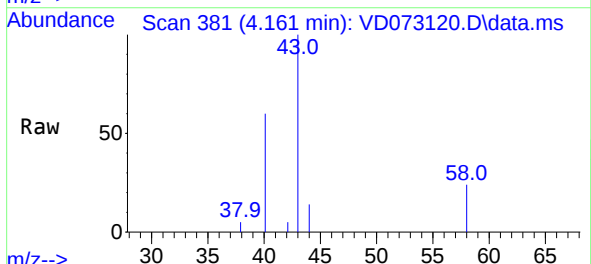
Instrument :
MSVOA_D
ClientSampleId :
HR-02-051322

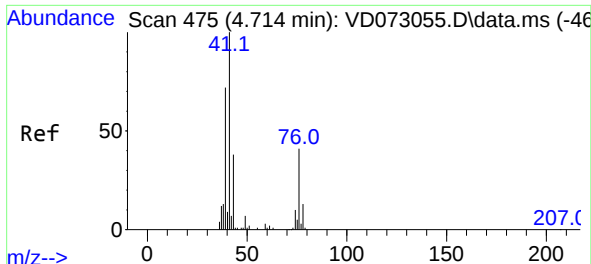
Tgt Ion: 59 Resp: 16127
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 16.525 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073120.D
Acq: 19 May 2022 03:15

Tgt Ion: 43 Resp: 11493
Ion Ratio Lower Upper
43 100
58 24.0 22.1 33.1





#18

Methyl Acetate

Concen: 1.491 ug/l

RT: 4.691 min Scan# 41

Delta R.T. -0.023 min

Lab File: VD073120.D

Acq: 19 May 2022 03:15

Instrument :

MSVOA_D

ClientSampleId :

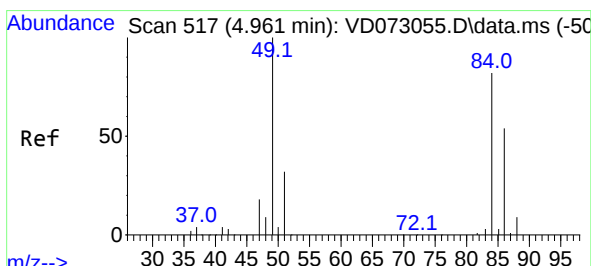
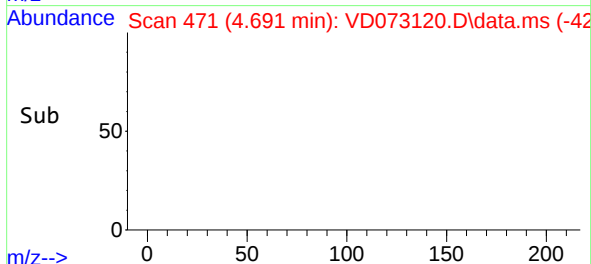
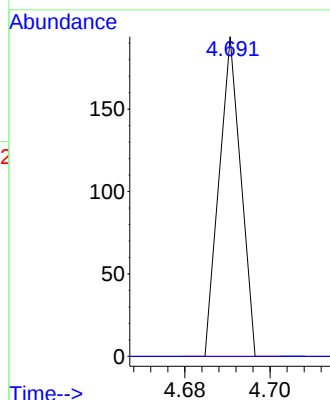
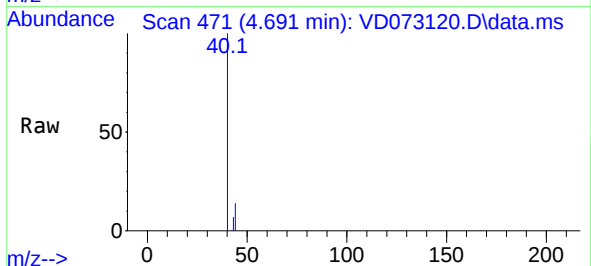
HR-02-051322

Tgt Ion: 43 Resp: 68

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#20

Methylene Chloride

Concen: 3.428 ug/l

RT: 4.955 min Scan# 516

Delta R.T. -0.006 min

Lab File: VD073120.D

Acq: 19 May 2022 03:15

Tgt Ion: 84 Resp: 17304

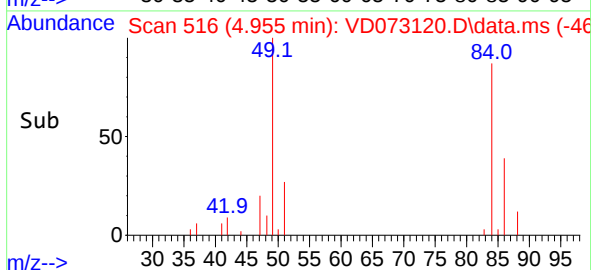
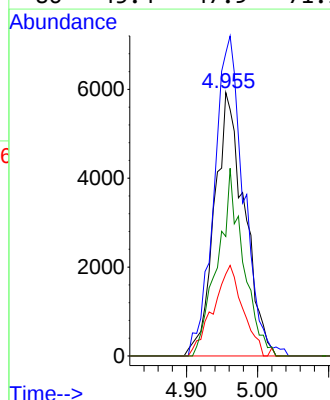
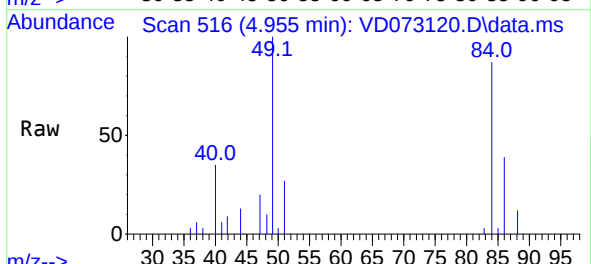
Ion Ratio Lower Upper

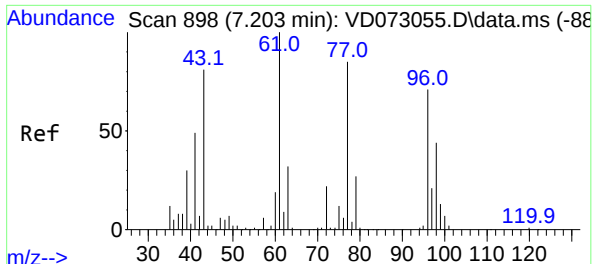
84 100

49 115.0 112.8 169.2

51 31.1 32.6 48.8#

86 45.4 47.9 71.9#

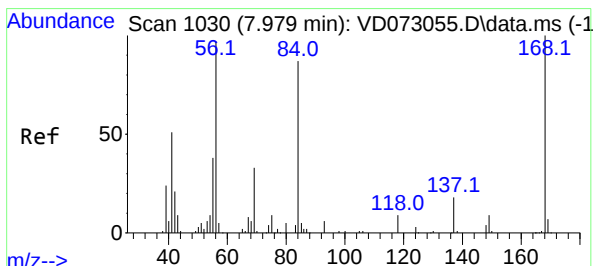
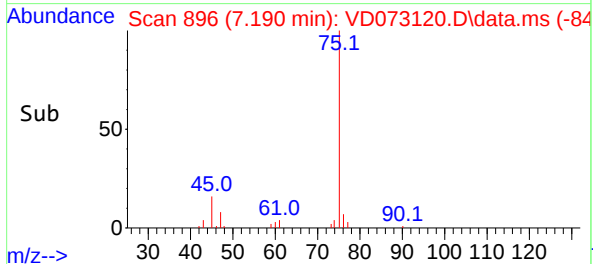
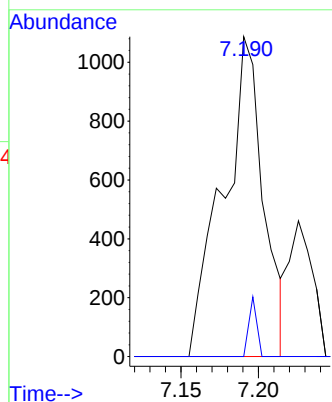
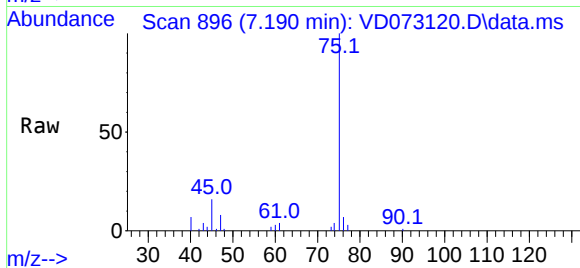




#25
2-Butanone
Concen: 1.864 ug/l
RT: 7.190 min Scan# 896
Delta R.T. -0.012 min
Lab File: VD073120.D
Acq: 19 May 2022 03:15

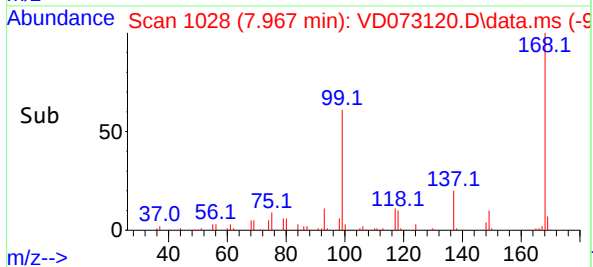
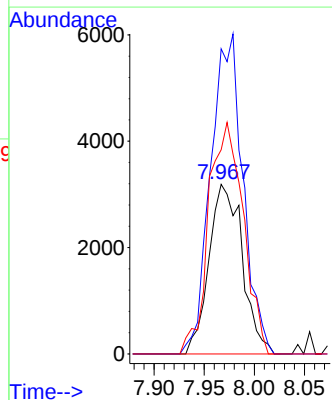
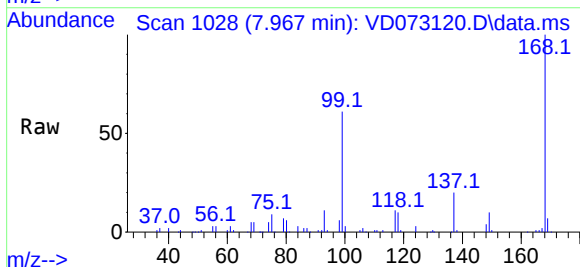
Instrument :
MSVOA_D
ClientSampleId :
HR-02-051322

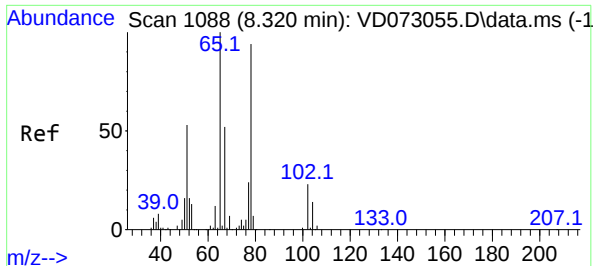
Tgt Ion: 43 Resp: 1963
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.065 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073120.D
Acq: 19 May 2022 03:15

Tgt Ion: 56 Resp: 7375
Ion Ratio Lower Upper
56 100
69 179.9 25.4 38.2#
84 120.4 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 43.813 ug/l

RT: 8.326 min Scan# 1088

Delta R.T. 0.006 min

Lab File: VD073120.D

Acq: 19 May 2022 03:15

Instrument :

MSVOA_D

ClientSampleId :

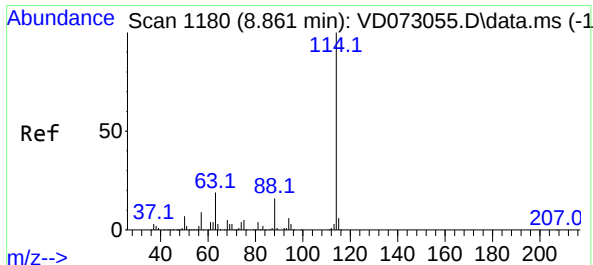
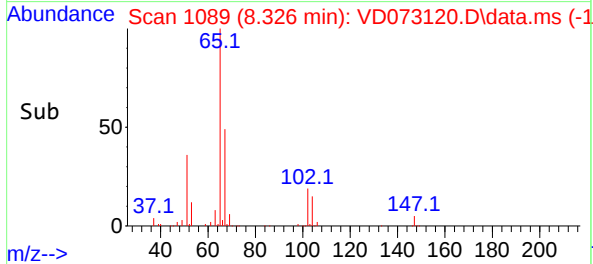
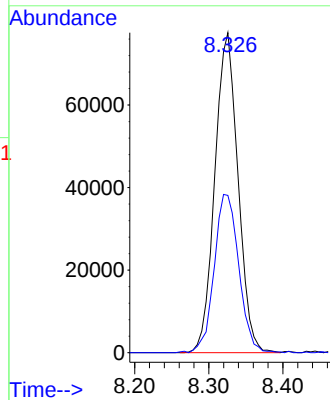
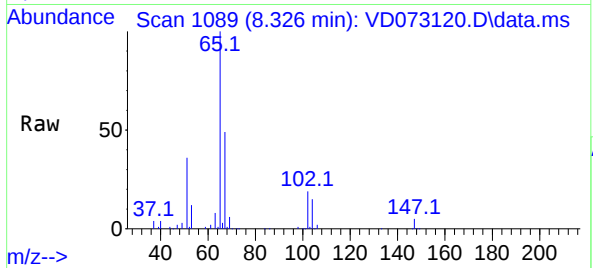
HR-02-051322

Tgt Ion: 65 Resp: 168385

Ion Ratio Lower Upper

65 100

67 52.5 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: VD073120.D

Acq: 19 May 2022 03:15

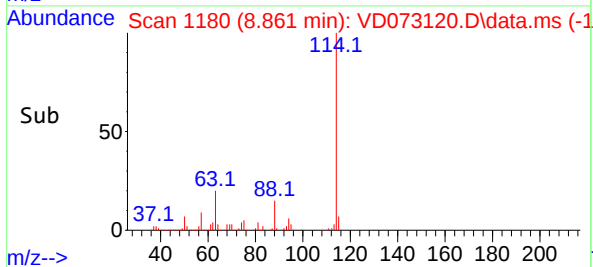
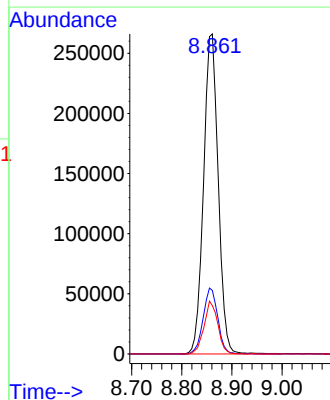
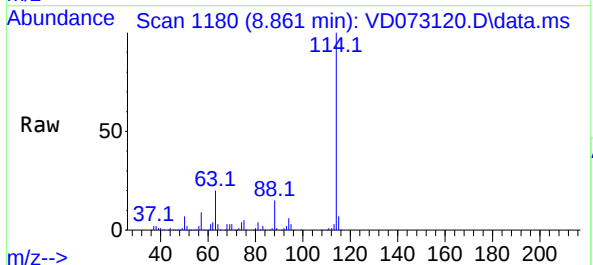
Tgt Ion: 114 Resp: 540493

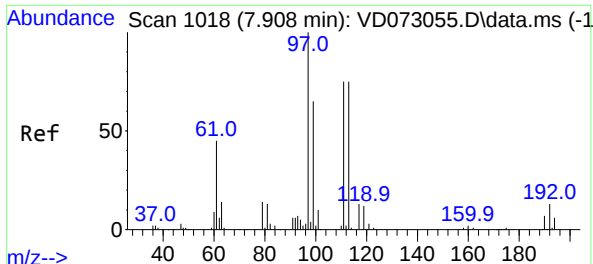
Ion Ratio Lower Upper

114 100

63 19.9 0.0 46.6

88 15.1 0.0 33.2

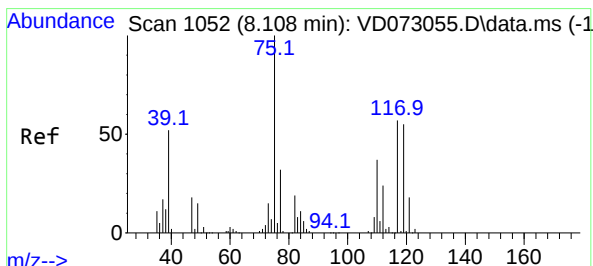
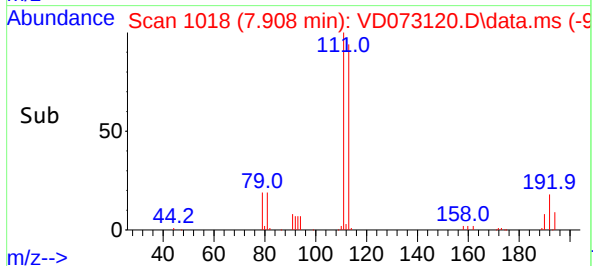
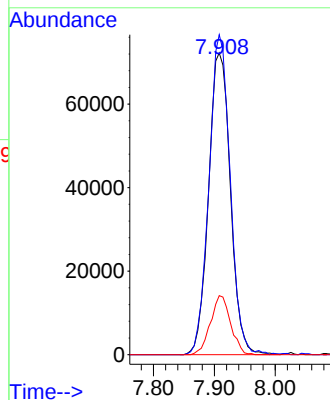
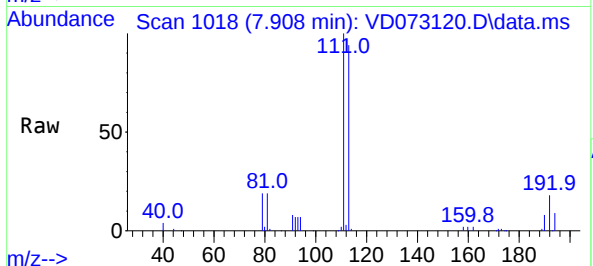




#35
Dibromofluoromethane
Concen: 47.428 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD073120.D
Acq: 19 May 2022 03:15

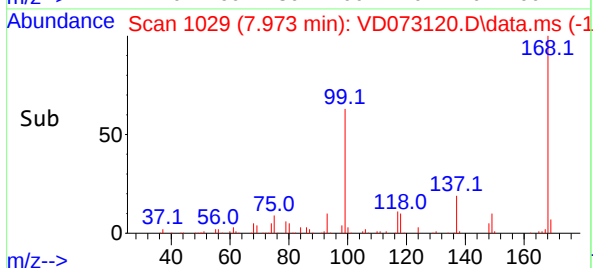
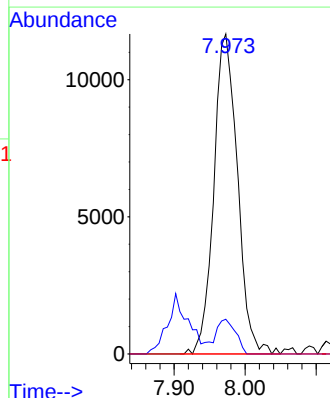
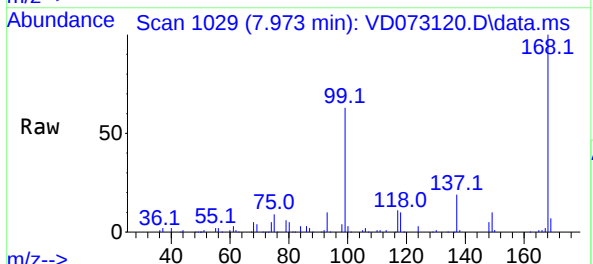
Instrument :
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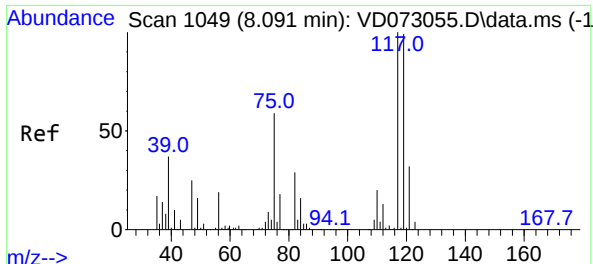
Tgt Ion:113 Resp: 179983
Ion Ratio Lower Upper
113 100
111 102.9 83.8 125.6
192 18.0 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.358 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.136 min
Lab File: VD073120.D
Acq: 19 May 2022 03:15

Tgt Ion: 75 Resp: 26948
Ion Ratio Lower Upper
75 100
110 9.3 16.4 49.1#
77 0.0 24.2 36.2#

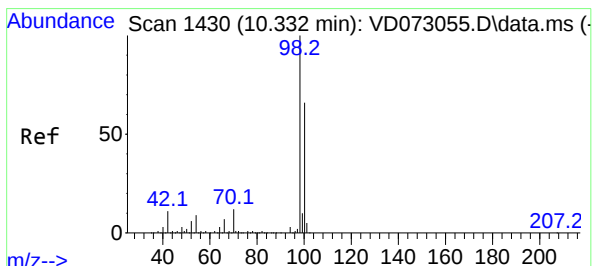
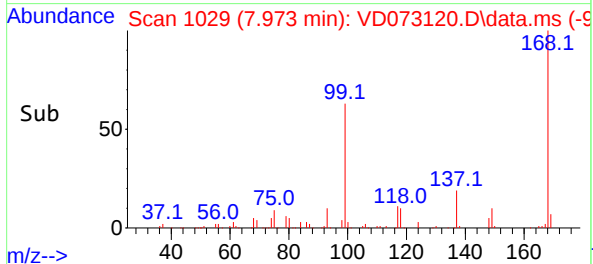
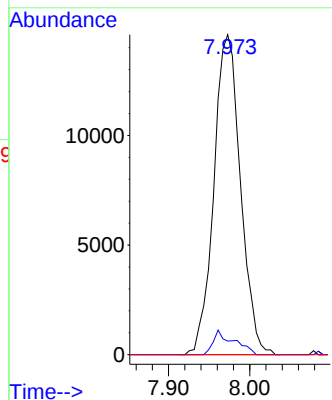
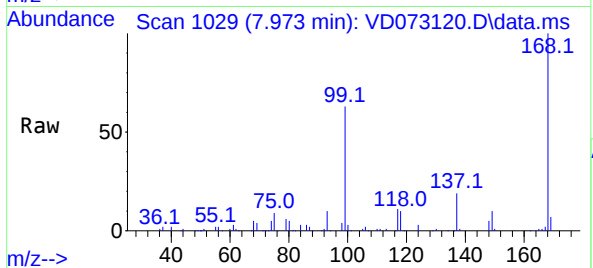




#38
Carbon Tetrachloride
Concen: 5.259 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073120.D
Acq: 19 May 2022 03:15

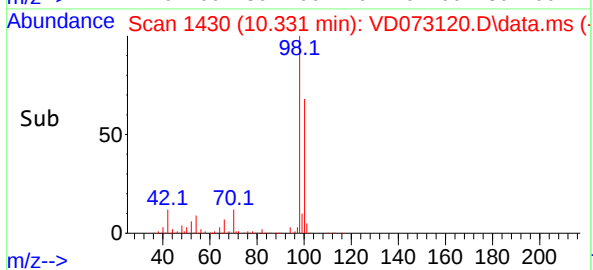
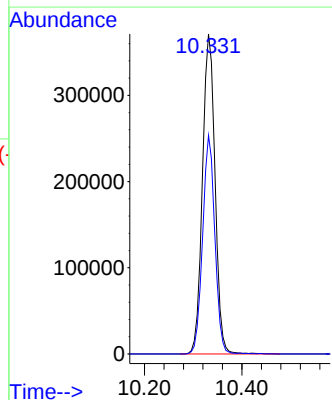
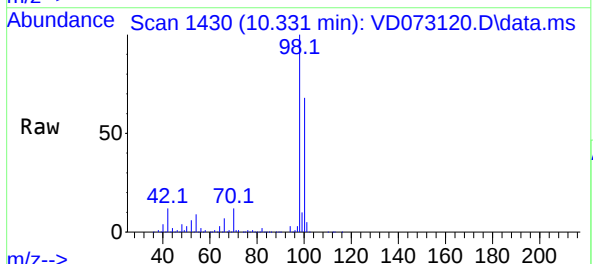
Instrument :
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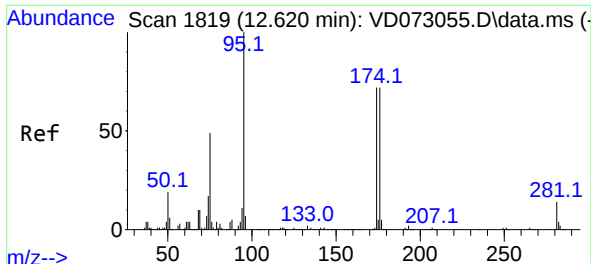
Tgt Ion:117 Resp: 33272
Ion Ratio Lower Upper
117 100
119 4.2 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.344 ug/l
RT: 10.331 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073120.D
Acq: 19 May 2022 03:15

Tgt Ion: 98 Resp: 665552
Ion Ratio Lower Upper
98 100
100 66.3 52.4 78.6

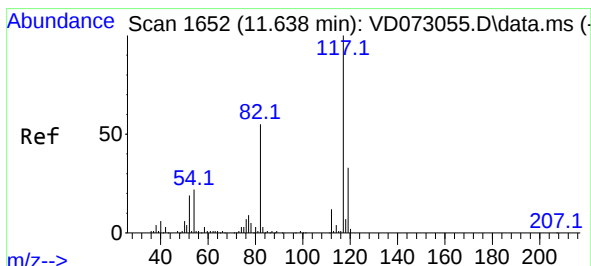
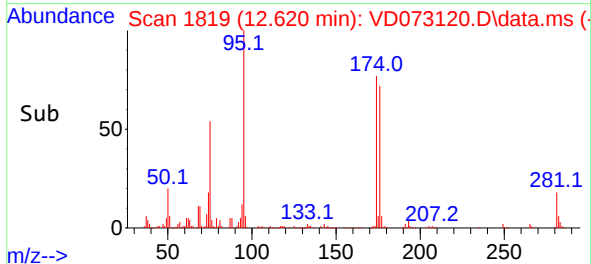
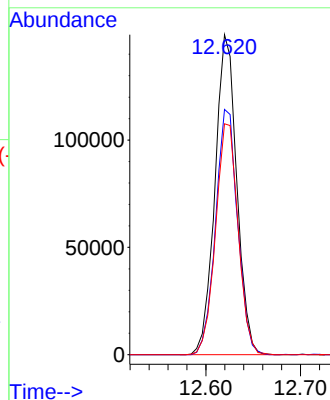
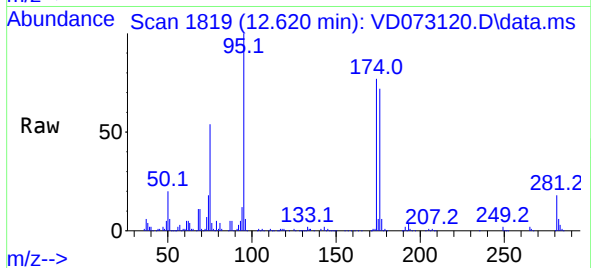




#62
4-Bromofluorobenzene
Concen: 47.727 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073120.D
Acq: 19 May 2022 03:15

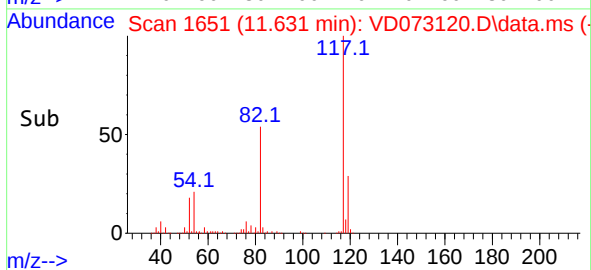
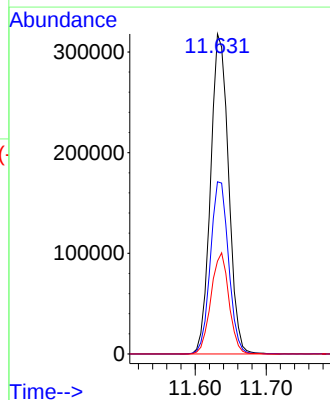
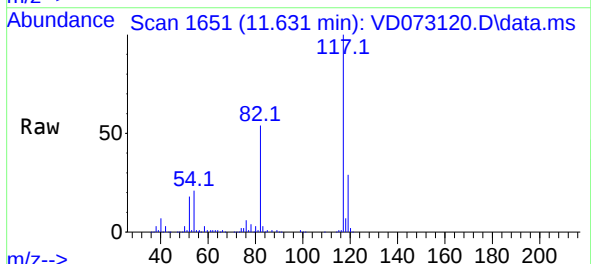
Instrument :
MSVOA_D
ClientSampleId :
HR-02-051322

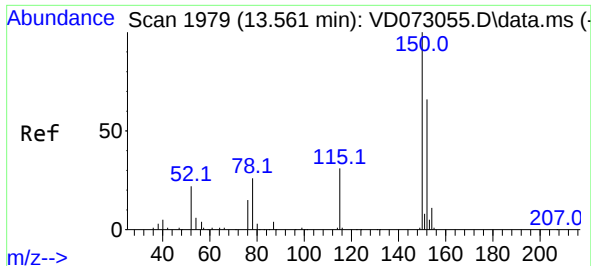
Tgt Ion: 95 Resp: 237985
Ion Ratio Lower Upper
95 100
174 77.6 0.0 152.8
176 74.6 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.631 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073120.D
Acq: 19 May 2022 03:15

Tgt Ion: 117 Resp: 558703
Ion Ratio Lower Upper
117 100
82 53.8 45.3 67.9
119 29.0 26.6 40.0

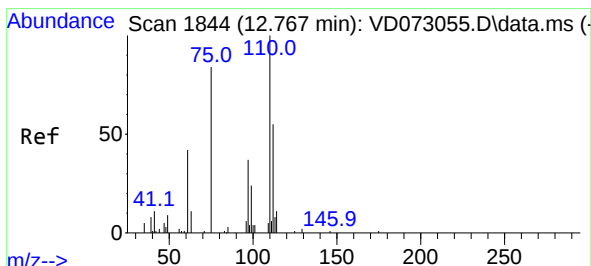
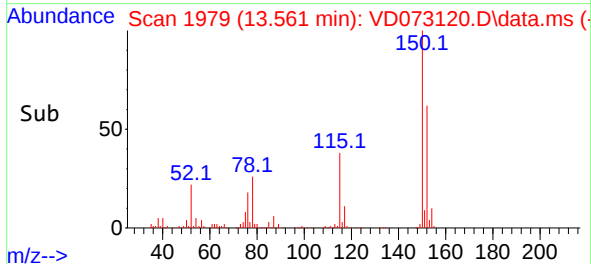
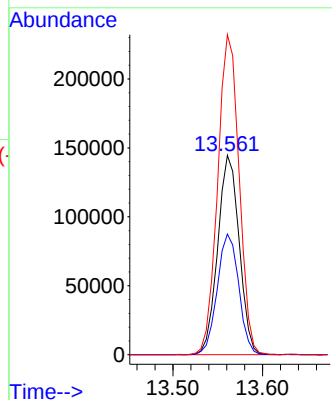
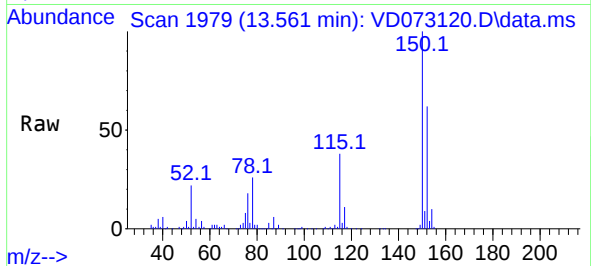




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073120.D
Acq: 19 May 2022 03:15

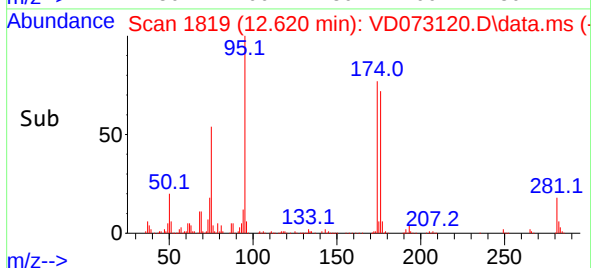
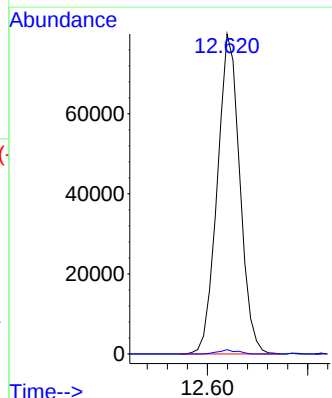
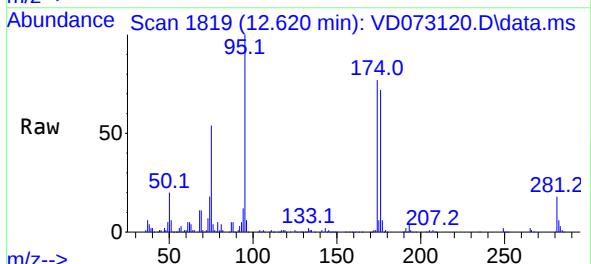
Instrument :
MSVOA_D
ClientSampleId :
HR-02-051322

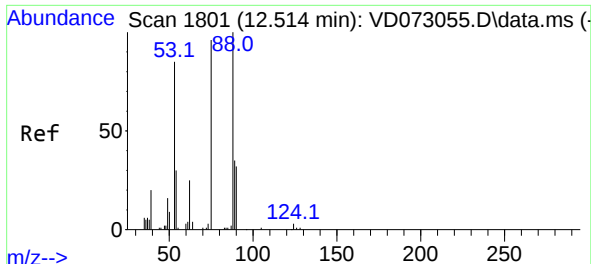
Tgt Ion:152 Resp: 240207
Ion Ratio Lower Upper
152 100
115 60.7 31.3 93.8
150 160.3 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 45.880 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073120.D
Acq: 19 May 2022 03:15

Tgt Ion: 75 Resp: 124581
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

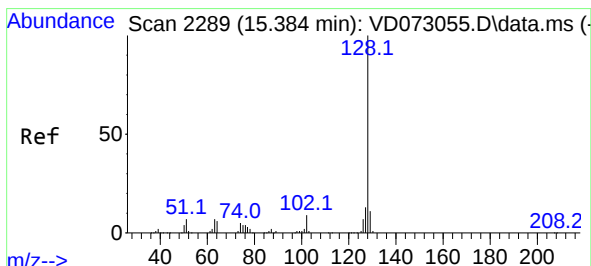
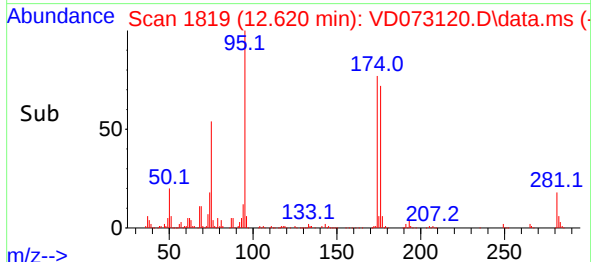
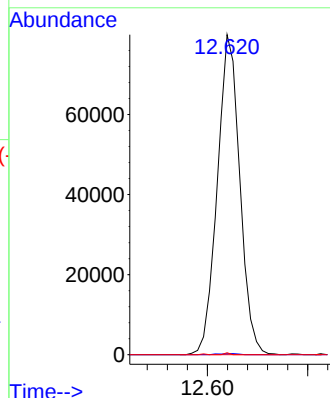
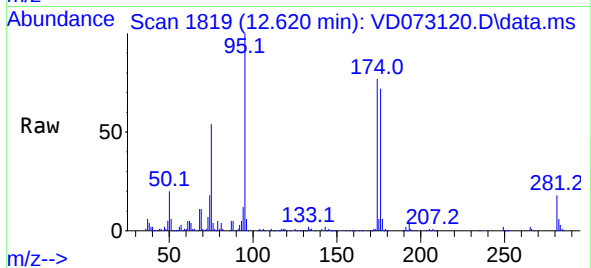




#81
trans-1,4-Dichloro-2-butene
Concen: 110.009 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD073120.D
Acq: 19 May 2022 03:15

Instrument :
MSVOA_D
ClientSampleId :
HR-02-051322

Tgt Ion: 75 Resp: 124581
Ion Ratio Lower Upper
75 100
53 0.3 86.5 129.7#
89 0.1 33.9 50.9#



#95
Naphthalene
Concen: 4.277 ug/l
RT: 15.378 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073120.D
Acq: 19 May 2022 03:15

Tgt Ion:128 Resp: 170
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

