

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD072998.D
 Acq On : 13 May 2022 19:20
 Operator : VA/SY
 Sample : N2816-06
 Misc : 5.87G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P007-SS002-0612-01

Quant Time: May 16 05:16:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

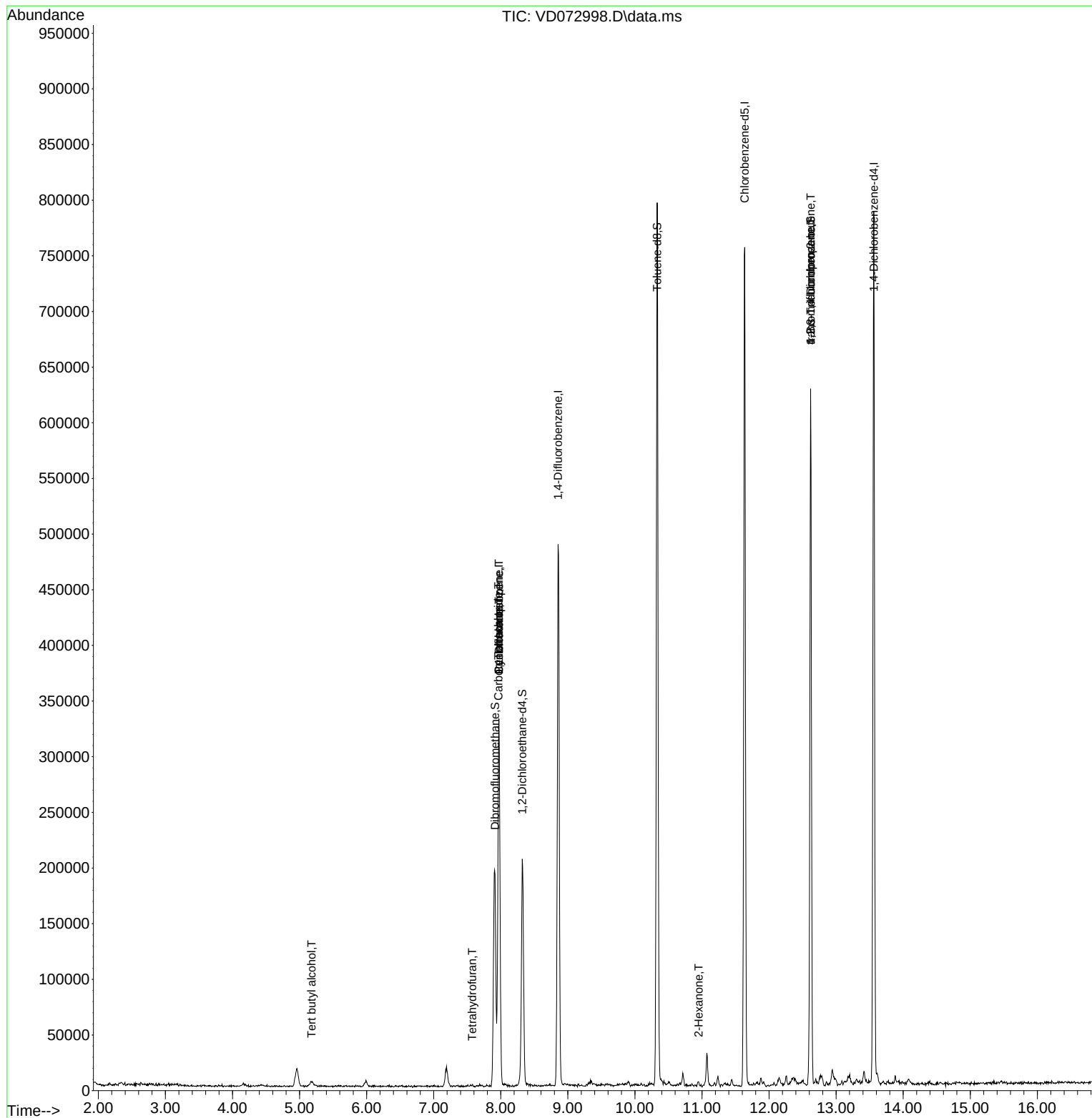
Internal Standards						
1) Pentafluorobenzene	7.973	168	231357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	410108	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	442147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	202037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	157318	52.384	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.760%	
35) Dibromofluoromethane	7.914	113	146738	50.947	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.900%	
50) Toluene-d8	10.332	98	514502	49.798	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.600%	
62) 4-Bromofluorobenzene	12.620	95	207234	53.793	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.580%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	1037	Below Cal		83
11) Tert butyl alcohol	5.179	59	5168	19.889 ug/l	#	74
13) Acrolein	3.914	56	55	Below Cal	#	14
16) Acetone	4.162	43	4422	Below Cal	#	74
18) Methyl Acetate	4.567	43	59	Below Cal	#	55
20) Methylene Chloride	4.956	84	12424	Below Cal	#	76
29) Tetrahydrofuran	7.573	42	1025	1.838 ug/l	#	42
31) Cyclohexane	7.973	56	5921	1.128 ug/l	#	1
36) 1,1-Dichloropropene	7.973	75	19746	4.216 ug/l	#	51
38) Carbon Tetrachloride	7.967	117	24886	5.119 ug/l	#	16
59) 2-Hexanone	10.949	43	1786	1.285 ug/l	#	27
76) 1,2,3-Trichloropropane	12.620	75	103028	45.732 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.620	75	103028	105.166 ug/l	#	7

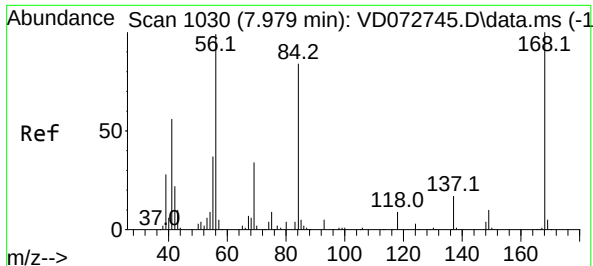
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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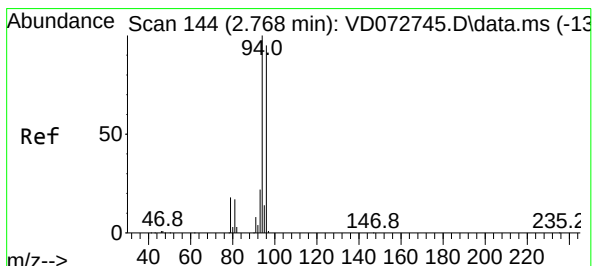
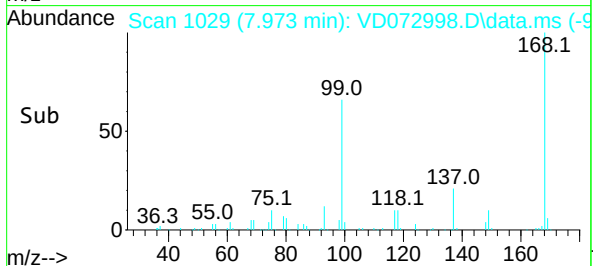
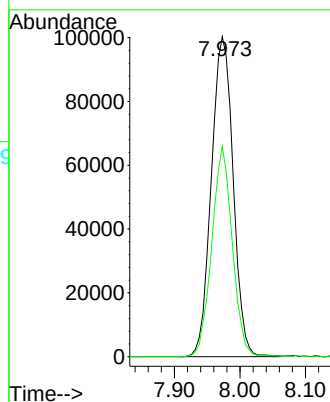
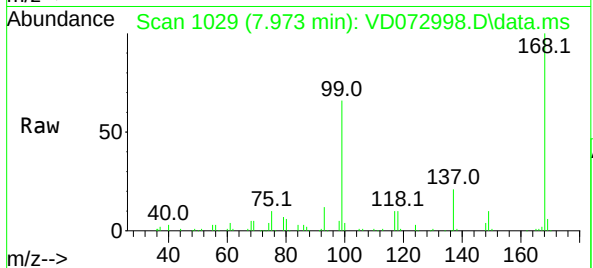




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072998.D
Acq: 13 May 2022 19:20

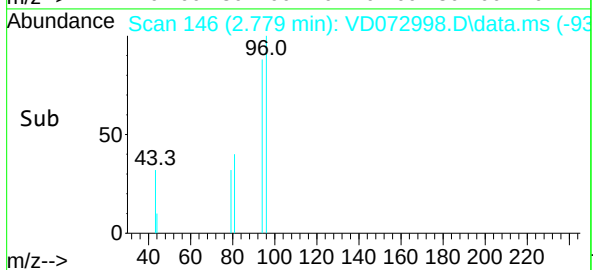
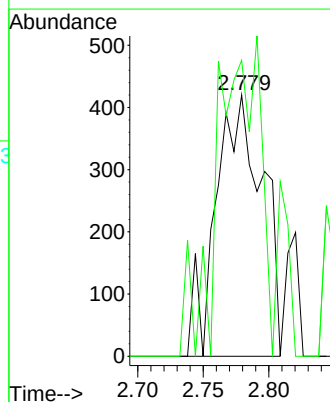
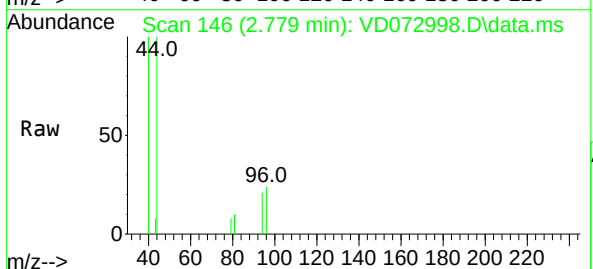
Instrument :
MSVOA_D
ClientSampleId :
P007-SS002-0612-01

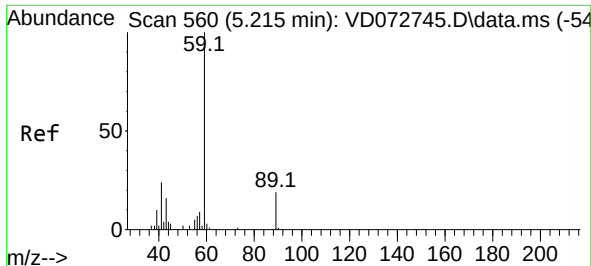
Tgt Ion:168 Resp: 231357
Ion Ratio Lower Upper
168 100
99 65.7 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD072998.D
Acq: 13 May 2022 19:20

Tgt Ion: 94 Resp: 1037
Ion Ratio Lower Upper
94 100
96 113.3 77.6 116.4





#11

Tert butyl alcohol

Concen: 19.889 ug/l

RT: 5.179 min Scan# 51

Delta R.T. -0.036 min

Lab File: VD072998.D

Acq: 13 May 2022 19:20

Instrument :

MSVOA_D

ClientSampleId :

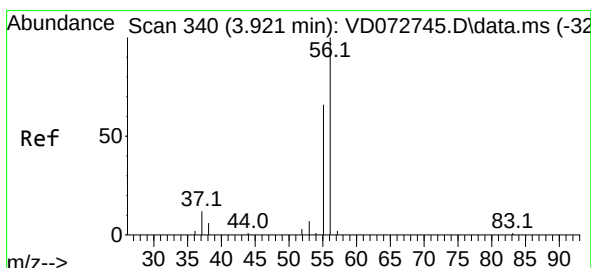
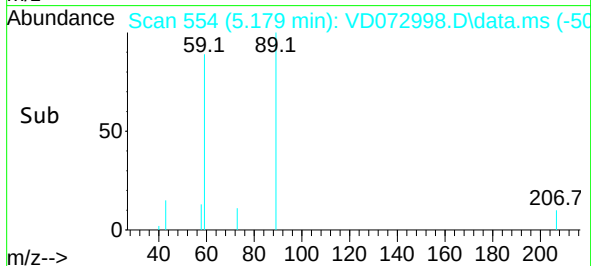
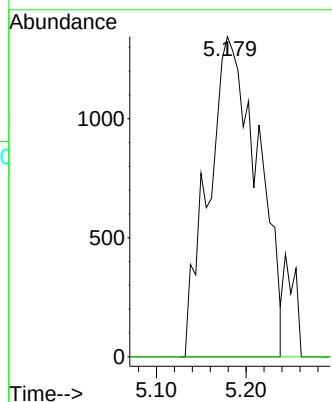
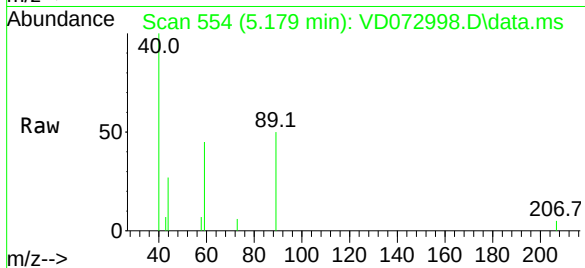
P007-SS002-0612-01

Tgt Ion: 59 Resp: 5168

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#13

Acrolein

Concen: Below Cal

RT: 3.914 min Scan# 339

Delta R.T. -0.007 min

Lab File: VD072998.D

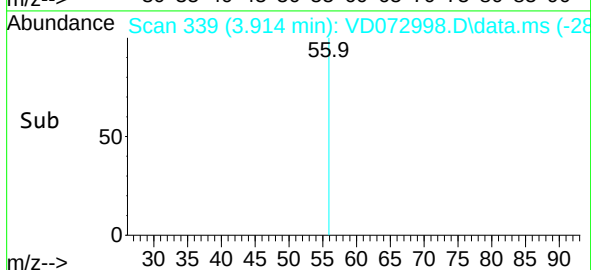
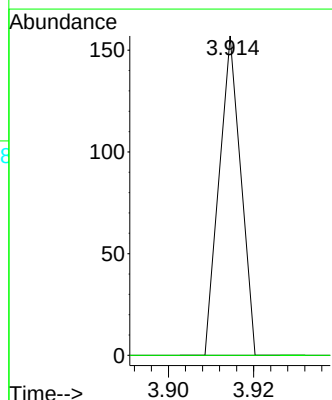
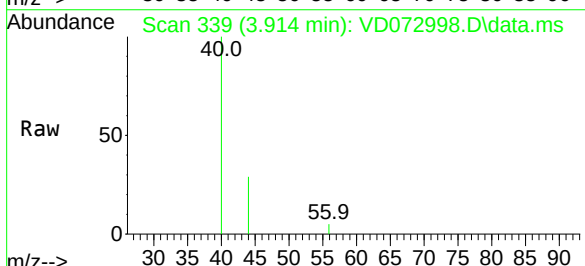
Acq: 13 May 2022 19:20

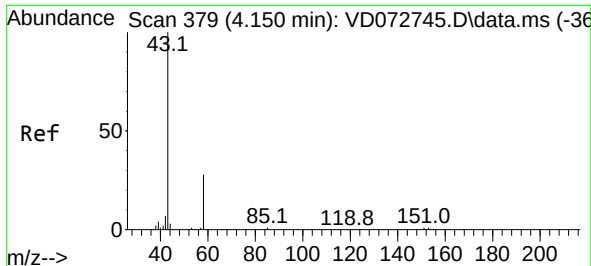
Tgt Ion: 56 Resp: 55

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#

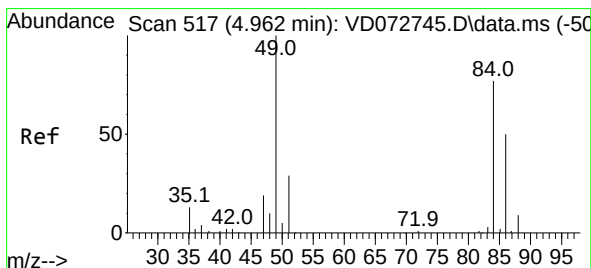
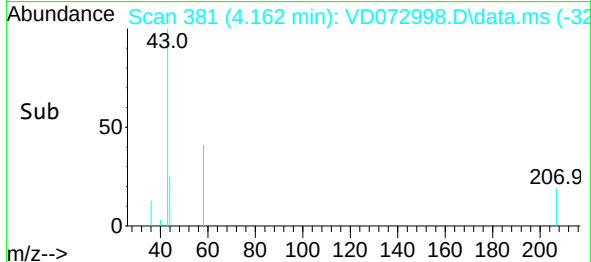
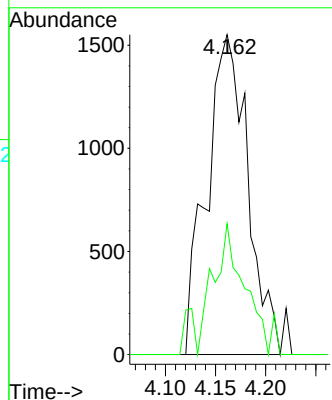
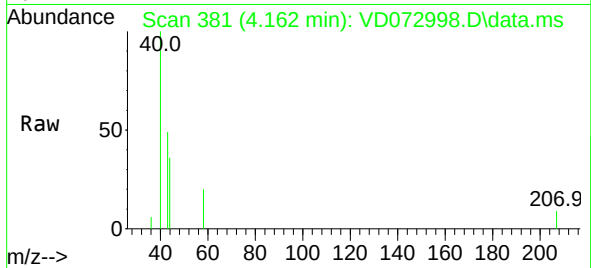




#16
Acetone
Concen: Below Cal
RT: 4.162 min Scan# 31
Delta R.T. 0.011 min
Lab File: VD072998.D
Acq: 13 May 2022 19:20

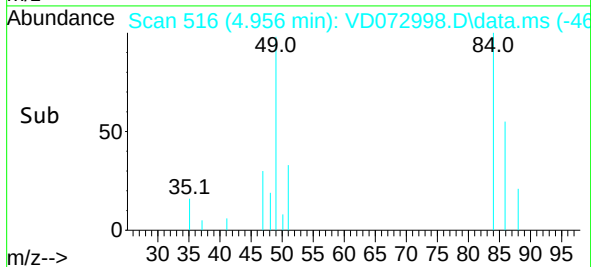
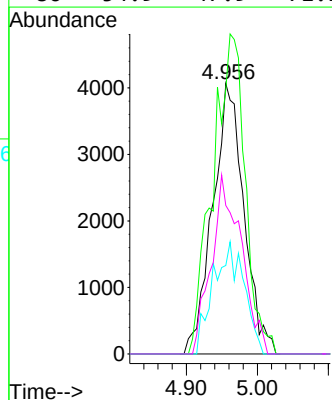
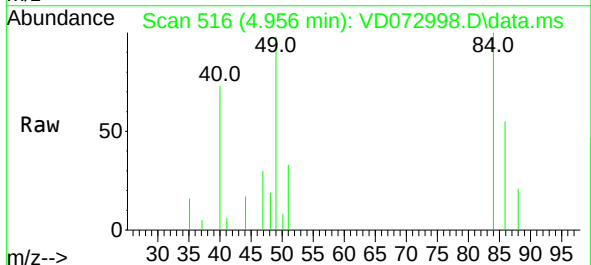
Instrument :
MSVOA_D
ClientSampleId :
P007-SS002-0612-01

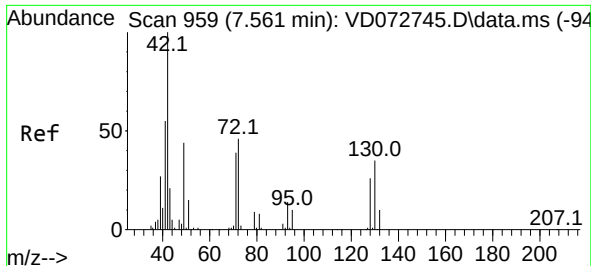
Tgt Ion: 43 Resp: 4422
Ion Ratio Lower Upper
43 100
58 40.9 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD072998.D
Acq: 13 May 2022 19:20

Tgt Ion: 84 Resp: 12424
Ion Ratio Lower Upper
84 100
49 97.7 112.8 169.2#
51 32.7 32.6 48.8
86 54.9 47.9 71.9





#29

Tetrahydrofuran

Concen: 1.838 ug/l

RT: 7.573 min Scan# 91

Delta R.T. 0.012 min

Lab File: VD072998.D

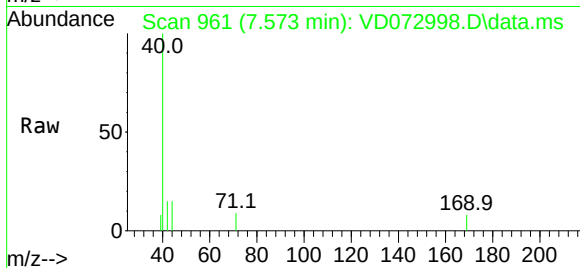
Acq: 13 May 2022 19:20

Instrument :

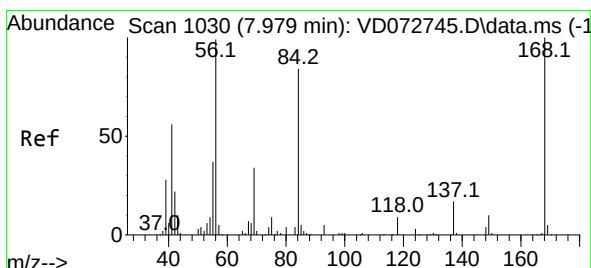
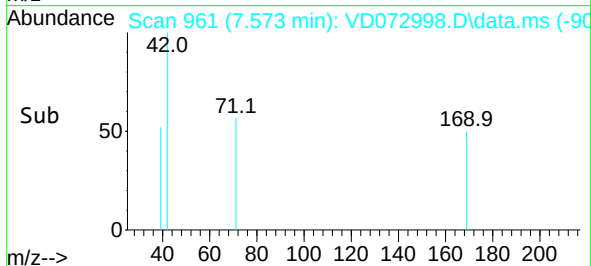
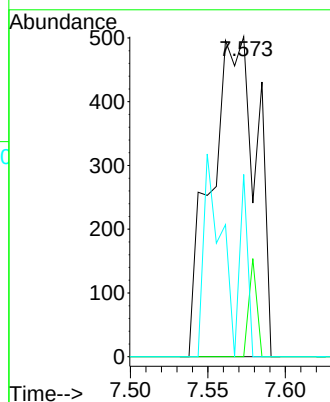
MSVOA_D

ClientSampleId :

P007-SS002-0612-01



Tgt Ion: 42	Resp: 1025
Ion Ratio	Lower Upper
42	100
72	5.3 30.7 46.1#
71	0.0 28.6 43.0#



#31

Cyclohexane

Concen: 1.128 ug/l

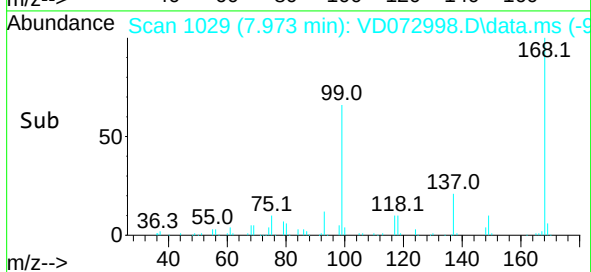
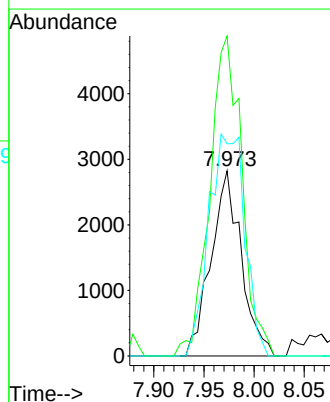
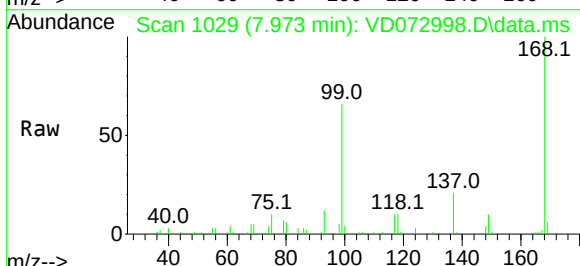
RT: 7.973 min Scan# 1029

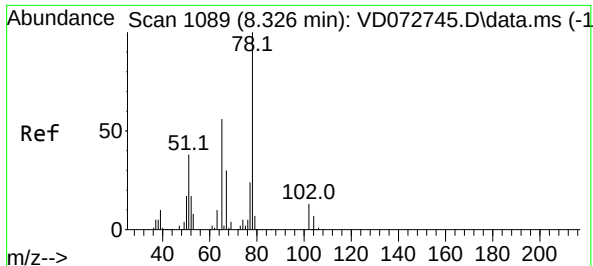
Delta R.T. -0.006 min

Lab File: VD072998.D

Acq: 13 May 2022 19:20

Tgt Ion: 56	Resp: 5921
Ion Ratio	Lower Upper
56	100
69	172.8 25.4 38.2#
84	114.6 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 52.384 ug/l

RT: 8.320 min Scan# 1107

Delta R.T. -0.006 min

Lab File: VD072998.D

Acq: 13 May 2022 19:20

Instrument :

MSVOA_D

ClientSampleId :

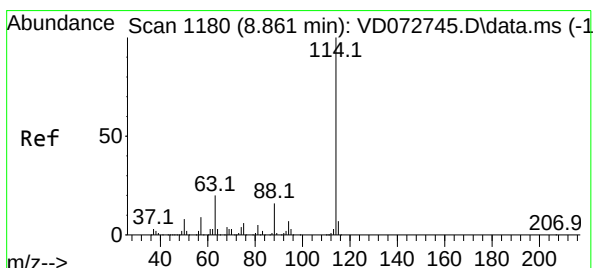
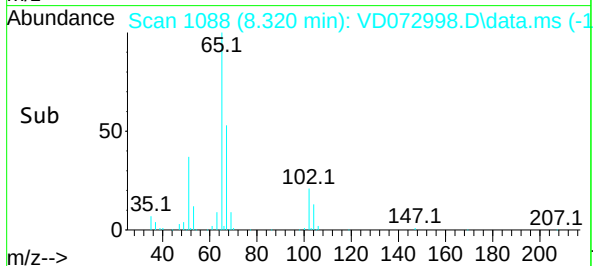
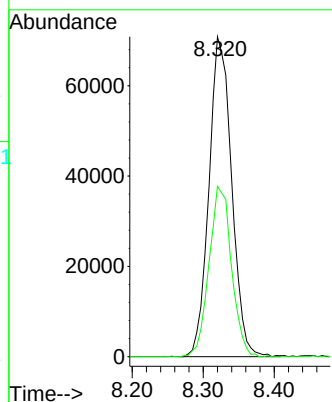
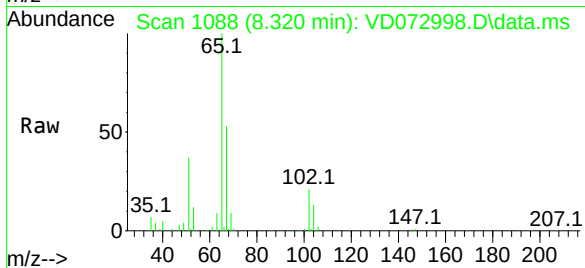
P007-SS002-0612-01

Tgt Ion: 65 Resp: 157318

Ion Ratio Lower Upper

65 100

67 52.6 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: VD072998.D

Acq: 13 May 2022 19:20

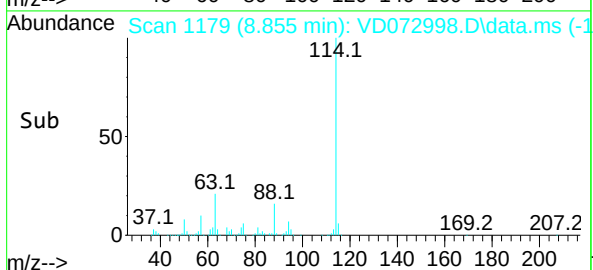
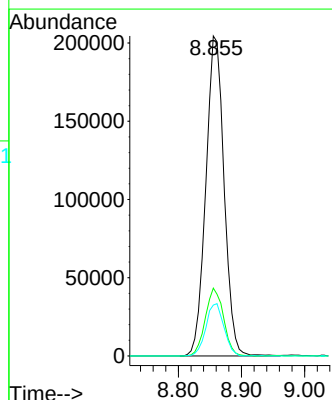
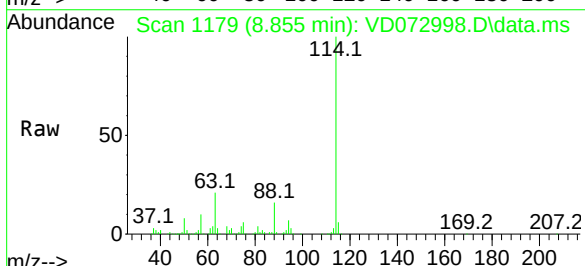
Tgt Ion: 114 Resp: 410108

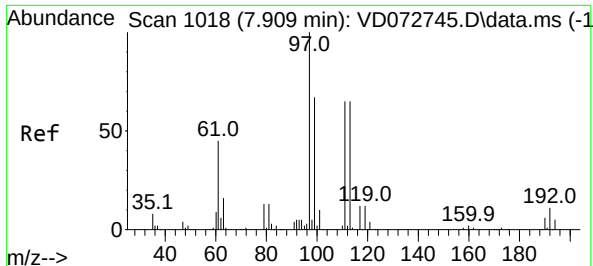
Ion Ratio Lower Upper

114 100

63 21.2 0.0 46.6

88 15.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.947 ug/l

RT: 7.914 min Scan# 1018

Delta R.T. 0.005 min

Lab File: VD072998.D

Acq: 13 May 2022 19:20

Instrument :

MSVOA_D

ClientSampleId :

P007-SS002-0612-01

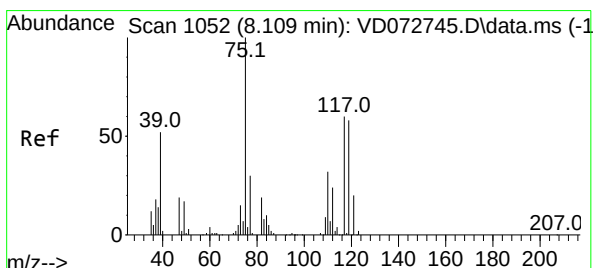
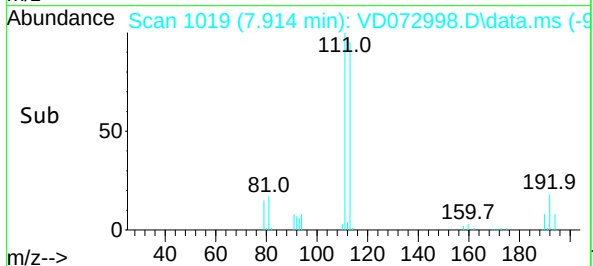
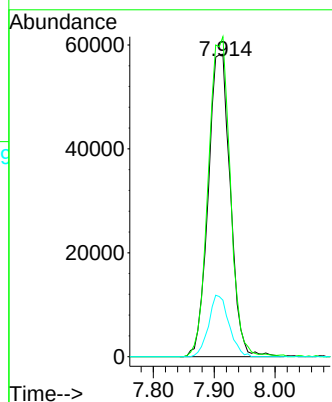
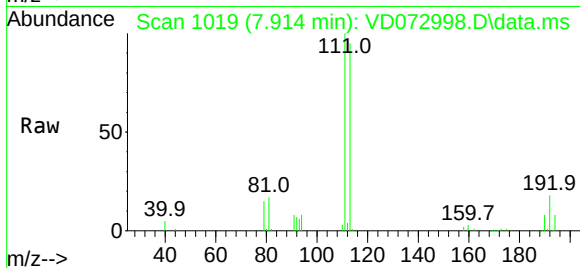
Tgt Ion:113 Resp: 146738

Ion Ratio Lower Upper

113 100

111 105.3 83.8 125.6

192 18.7 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.216 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072998.D

Acq: 13 May 2022 19:20

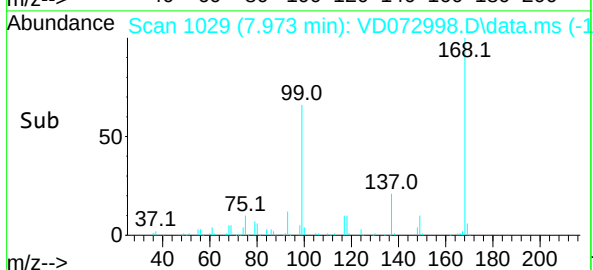
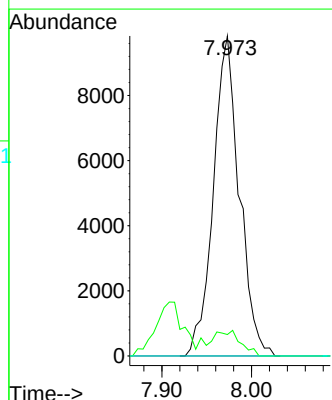
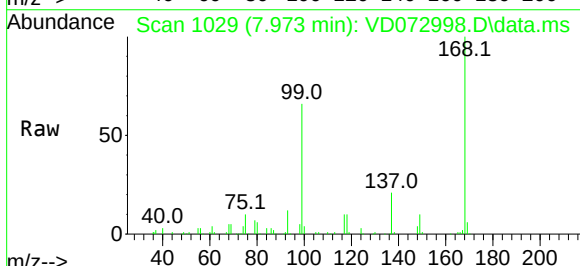
Tgt Ion: 75 Resp: 19746

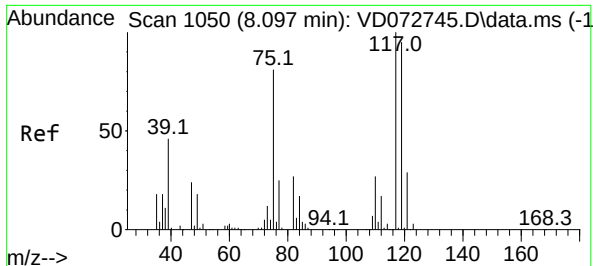
Ion Ratio Lower Upper

75 100

110 8.1 16.4 49.1#

77 0.0 24.2 36.2#

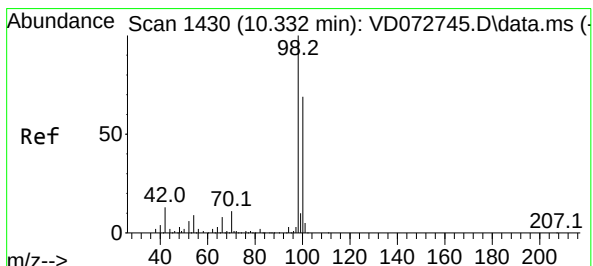
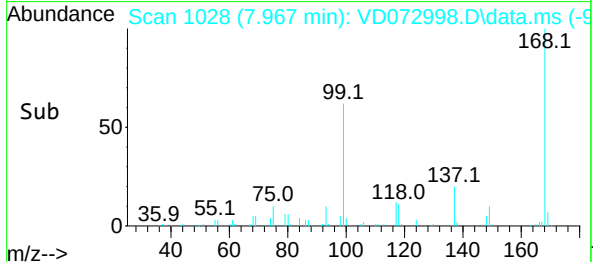
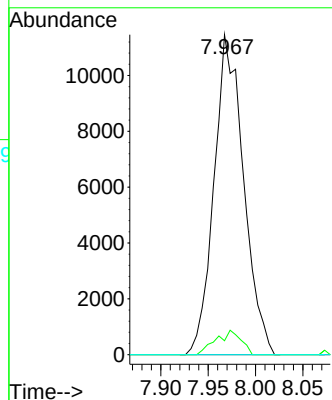
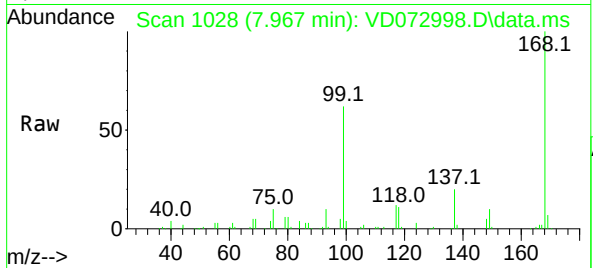




#38
Carbon Tetrachloride
Concen: 5.119 ug/l
RT: 7.967 min Scan# 1050
Delta R.T. -0.130 min
Lab File: VD072998.D
Acq: 13 May 2022 19:20

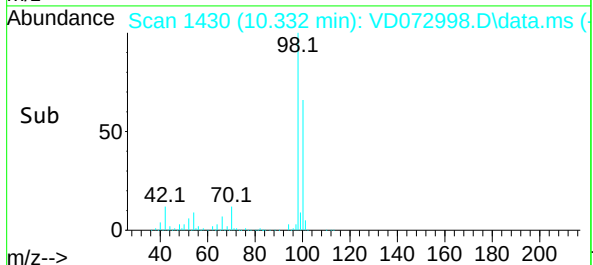
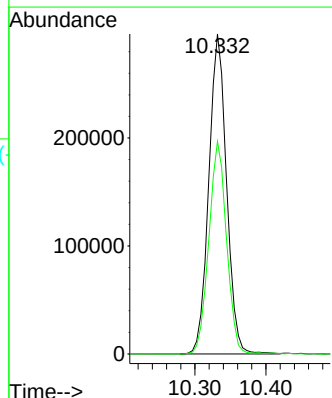
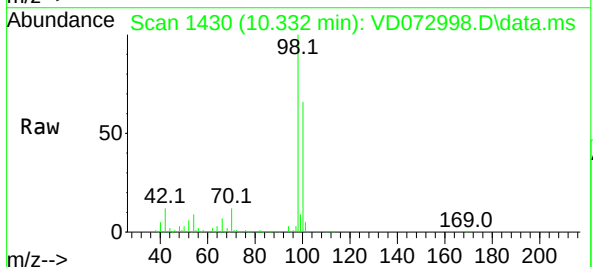
Instrument :
MSVOA_D
ClientSampleId :
P007-SS002-0612-01

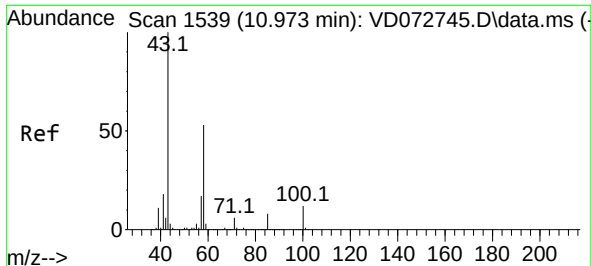
Tgt Ion:117 Resp: 24886
Ion Ratio Lower Upper
117 100
119 4.4 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.798 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072998.D
Acq: 13 May 2022 19:20

Tgt Ion: 98 Resp: 514502
Ion Ratio Lower Upper
98 100
100 66.3 52.4 78.6

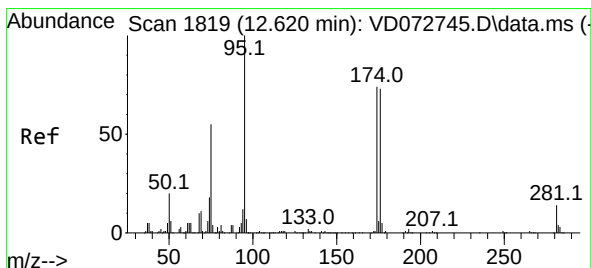
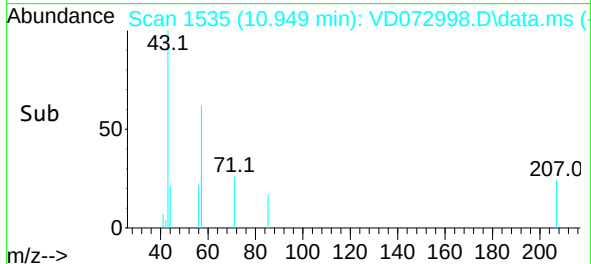
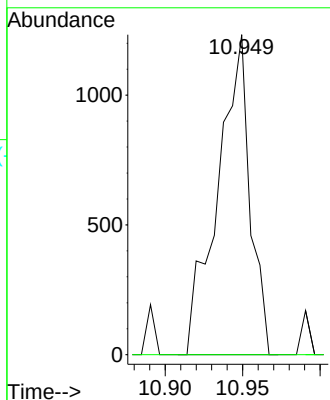
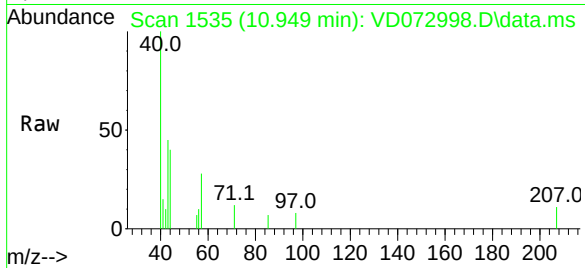




#59
2-Hexanone
Concen: 1.285 ug/l
RT: 10.949 min Scan# 11
Delta R.T. -0.024 min
Lab File: VD072998.D
Acq: 13 May 2022 19:20

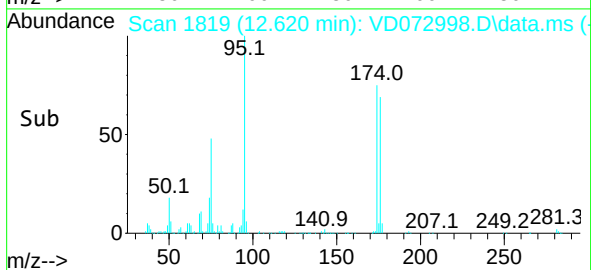
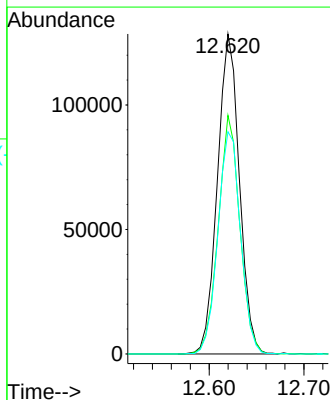
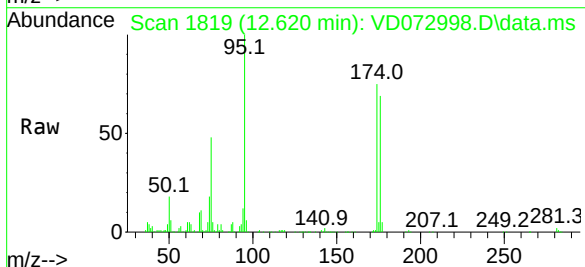
Instrument :
MSVOA_D
ClientSampleId :
P007-SS002-0612-01

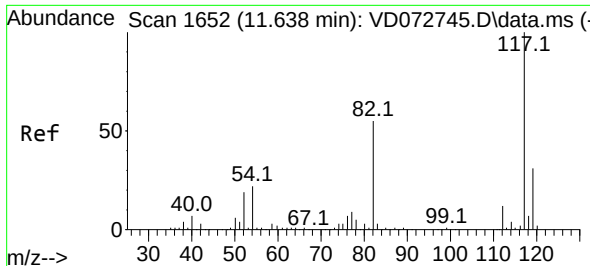
Tgt Ion: 43 Resp: 1786
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 53.793 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072998.D
Acq: 13 May 2022 19:20

Tgt Ion: 95 Resp: 207234
Ion Ratio Lower Upper
95 100
174 73.3 0.0 152.8
176 71.5 0.0 145.4

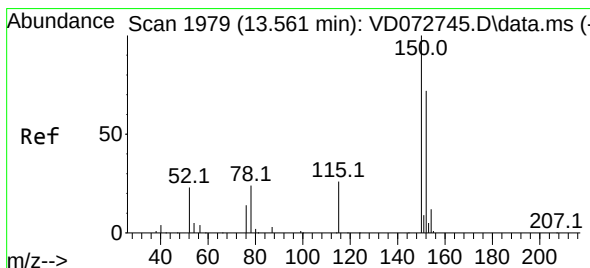
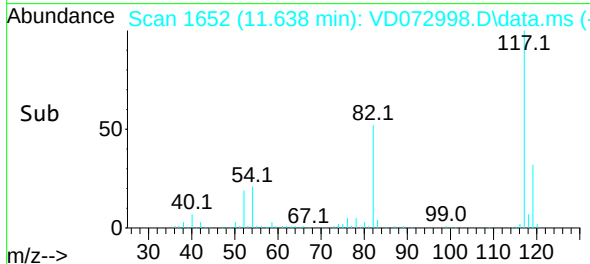
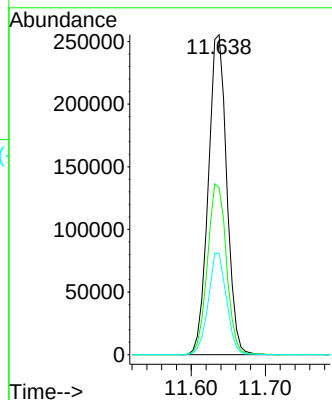
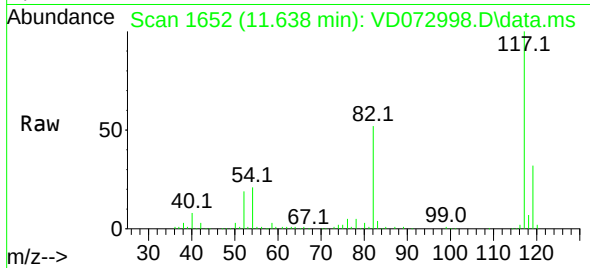




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD072998.D
Acq: 13 May 2022 19:20

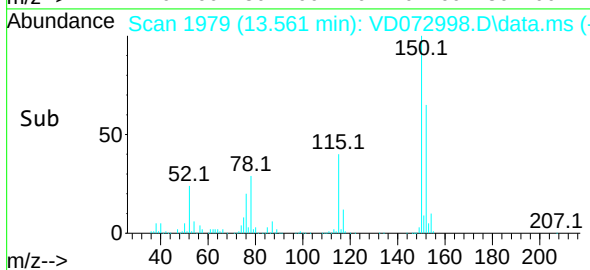
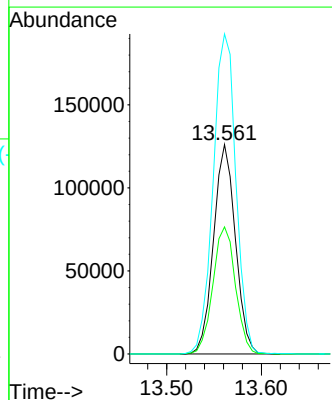
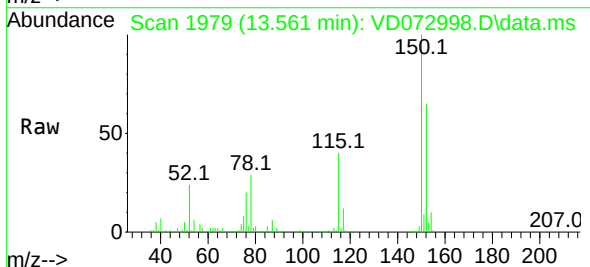
Instrument :
MSVOA_D
ClientSampleId :
P007-SS002-0612-01

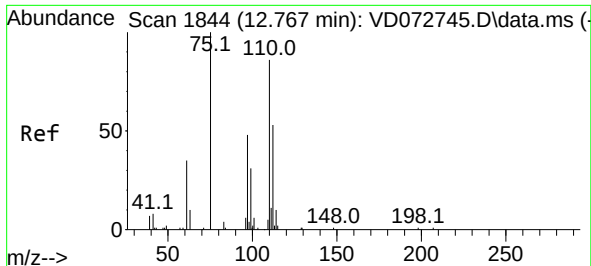
Tgt Ion:117 Resp: 442147
Ion Ratio Lower Upper
117 100
82 52.2 45.3 67.9
119 31.7 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072998.D
Acq: 13 May 2022 19:20

Tgt Ion:152 Resp: 202037
Ion Ratio Lower Upper
152 100
115 62.8 31.3 93.8
150 159.5 0.0 348.6

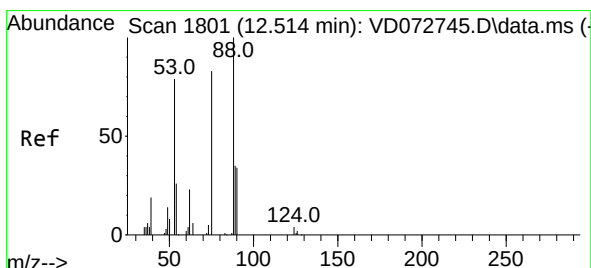
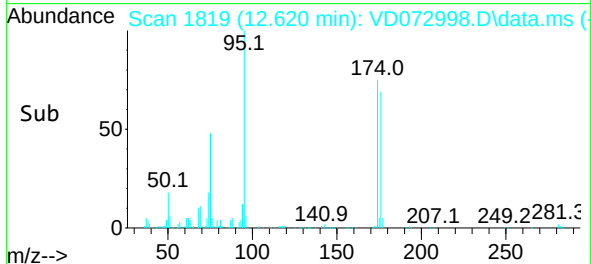
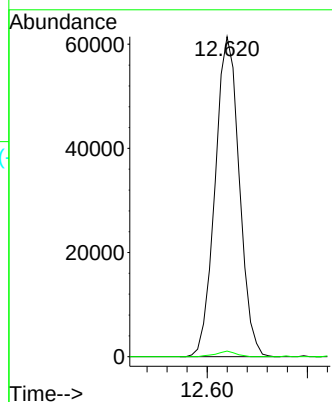
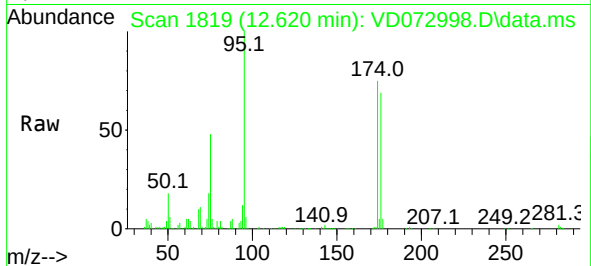




#76
1,2,3-Trichloropropane
Concen: 45.732 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072998.D
Acq: 13 May 2022 19:20

Instrument :
MSVOA_D
ClientSampleId :
P007-SS002-0612-01

Tgt Ion: 75 Resp: 103028
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.166 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072998.D
Acq: 13 May 2022 19:20

Tgt Ion: 75 Resp: 103028
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.3 33.9 50.9#

