

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050922\
 Data File : VD072892.D
 Acq On : 09 May 2022 15:56
 Operator : VA/SY
 Sample : N2673-01RE
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SWEEPINGS-050322

Quant Time: May 09 17:28:05 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)

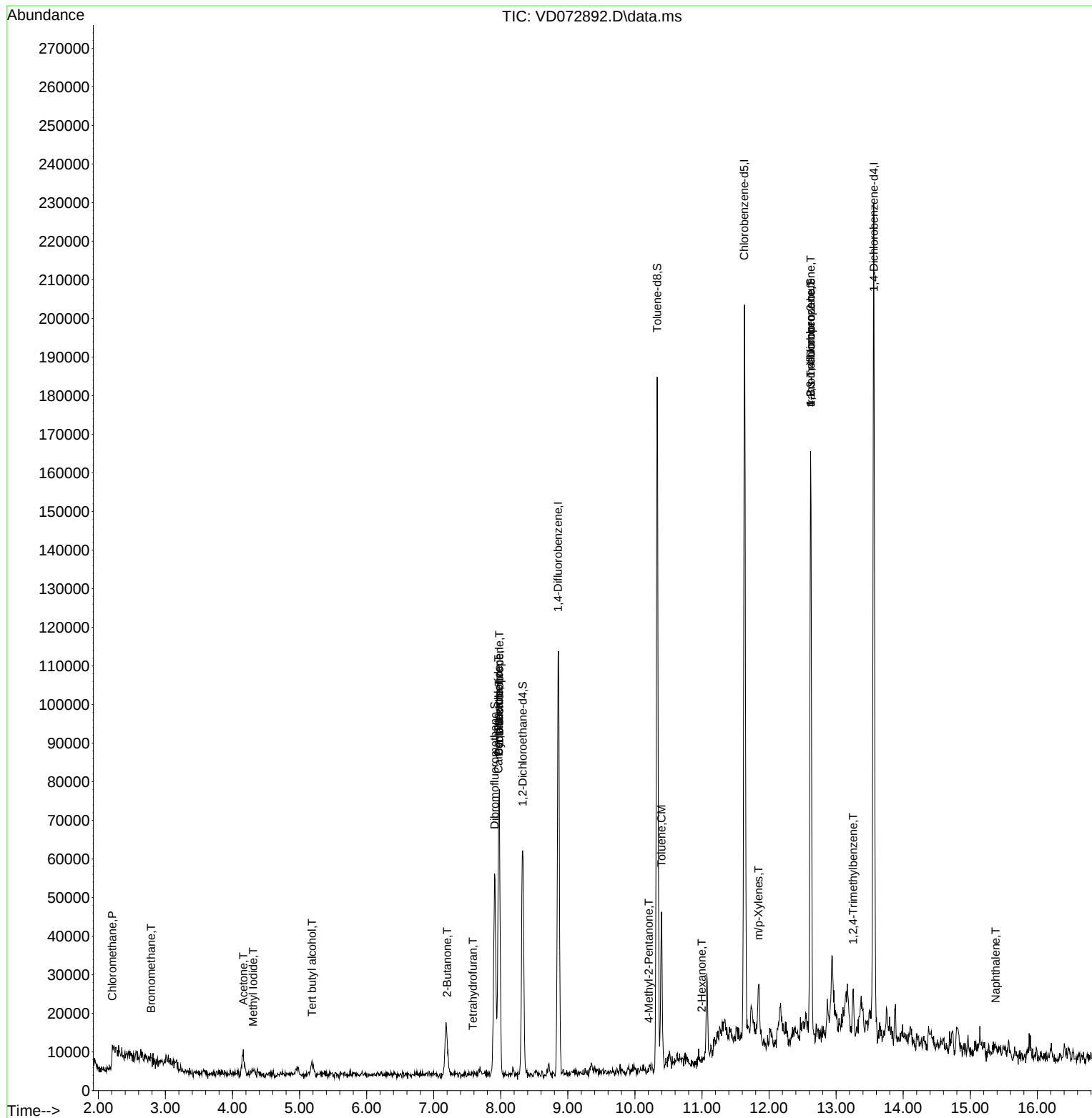
Internal Standards						
1) Pentafluorobenzene	7.973	168	50639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	90952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	110812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	53649	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	47318	71.985	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 143.960%	
35) Dibromofluoromethane	7.908	113	38034	59.543	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.080%	
50) Toluene-d8	10.332	98	115783	50.531	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.060%	
62) 4-Bromofluorobenzene	12.620	95	52407	61.340	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 122.680%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	970	1.333	ug/l	98
5) Bromomethane	2.785	94	1070	1.155	ug/l #	31
10) Methyl Iodide	4.309	142	778	1.142	ug/l #	84
11) Tert butyl alcohol	5.185	59	3179	55.896	ug/l #	74
13) Acrolein	3.891	56	56	Below Cal	#	14
16) Acetone	4.162	43	8974	62.482	ug/l	98
20) Methylene Chloride	4.967	84	715	Below Cal	#	90
25) 2-Butanone	7.203	43	1015	5.300	ug/l #	52
29) Tetrahydrofuran	7.585	42	167	1.368	ug/l #	38
31) Cyclohexane	7.973	56	1721	1.498	ug/l #	50
36) 1,1-Dichloropropene	7.979	75	4321	4.160	ug/l #	45
38) Carbon Tetrachloride	7.967	117	6238	5.786	ug/l #	13
51) 4-Methyl-2-Pentanone	10.208	43	1132	2.472	ug/l	91
52) Toluene	10.396	92	15506	8.287	ug/l	99
59) 2-Hexanone	10.996	43	395	1.282	ug/l #	27
68) m/p-Xylenes	11.843	106	3245	1.899	ug/l	84
76) 1,2,3-Trichloropropane	12.620	75	27530	46.020	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	27530	105.827	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.255	105	6320	1.786	ug/l	99
95) Naphthalene	15.379	128	3511	1.853	ug/l #	90

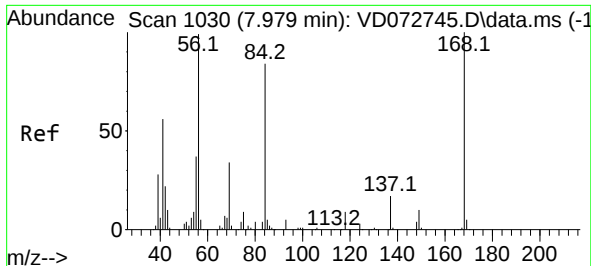
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

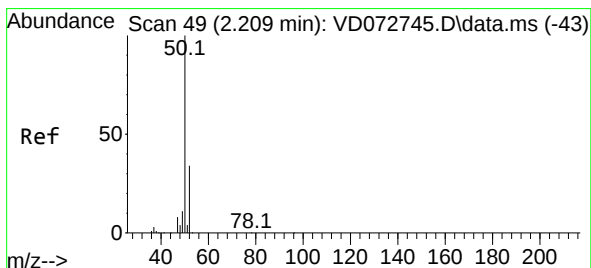
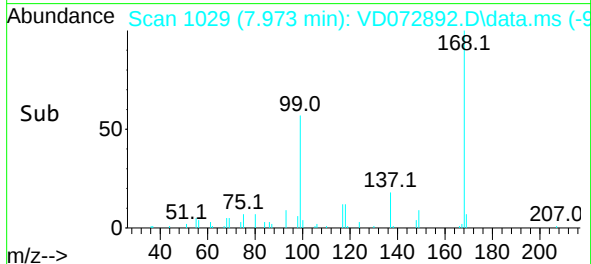
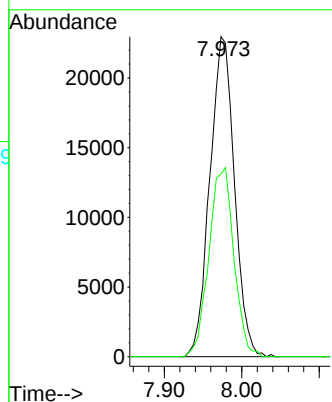
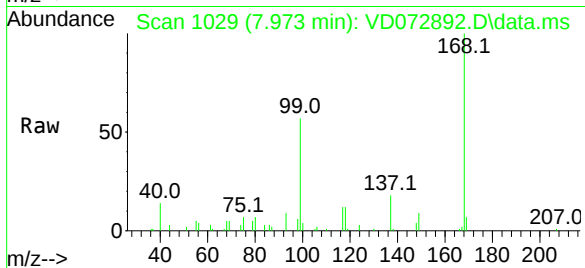




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072892.D
Acq: 09 May 2022 15:56

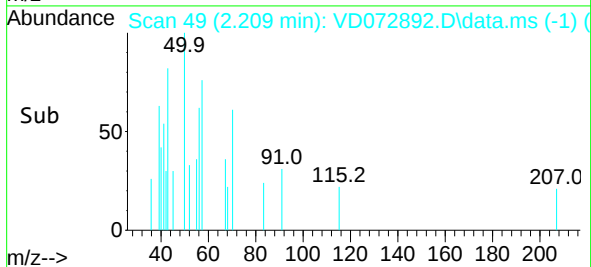
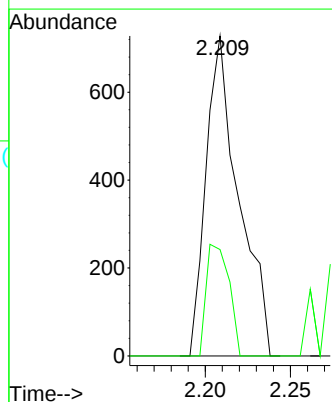
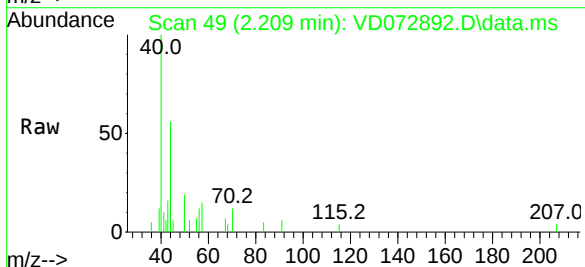
Instrument :
MSVOA_D
ClientSampleId :
SWEEPINGS-050322

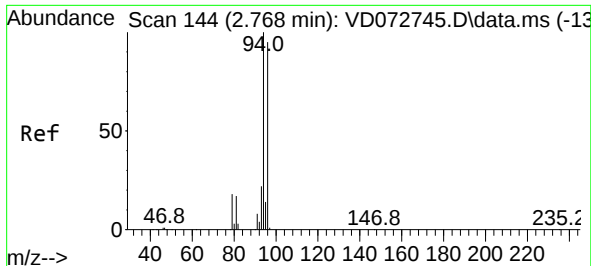
Tgt Ion:168 Resp: 50639
Ion Ratio Lower Upper
168 100
99 57.1 49.8 74.6



#3
Chloromethane
Concen: 1.333 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD072892.D
Acq: 09 May 2022 15:56

Tgt Ion: 50 Resp: 970
Ion Ratio Lower Upper
50 100
52 33.2 27.4 41.0

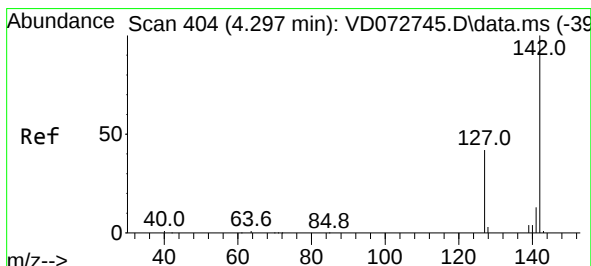
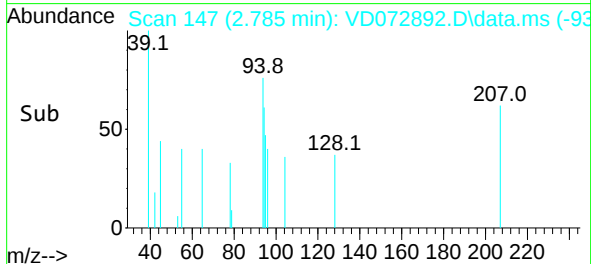
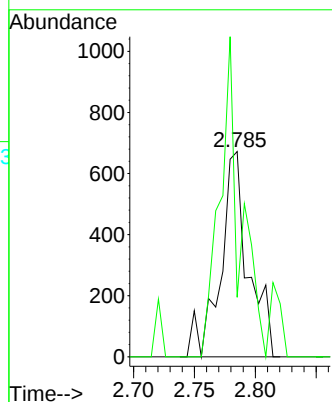
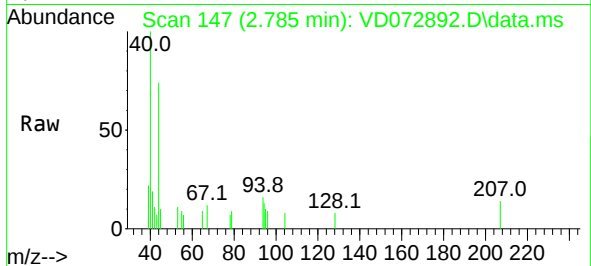




#5
Bromomethane
Concen: 1.155 ug/l
RT: 2.785 min Scan# 144
Delta R.T. 0.017 min
Lab File: VD072892.D
Acq: 09 May 2022 15:56

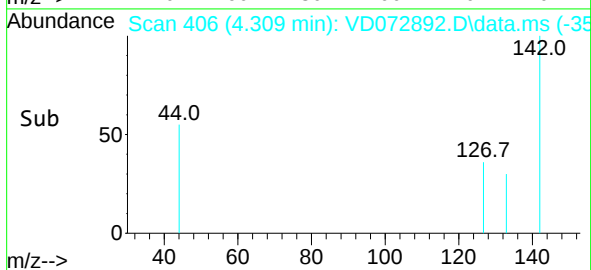
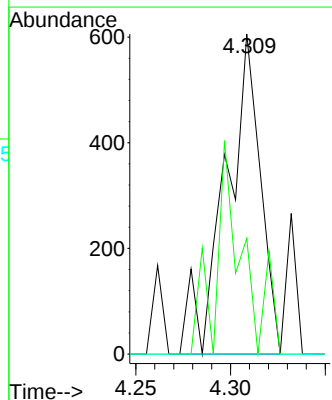
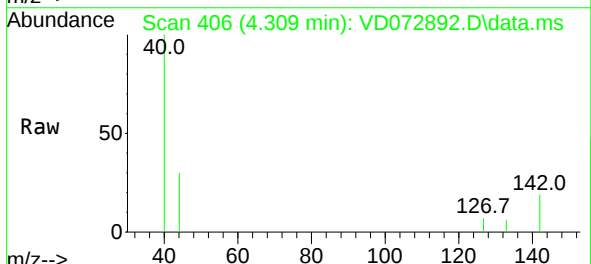
Instrument :
MSVOA_D
ClientSampleId :
SWEEPINGS-050322

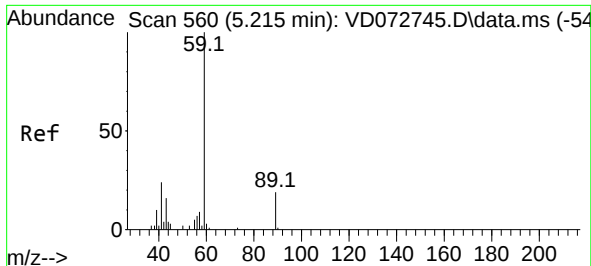
Tgt Ion: 94 Resp: 1070
Ion Ratio Lower Upper
94 100
96 29.0 77.6 116.4#



#10
Methyl Iodide
Concen: 1.142 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD072892.D
Acq: 09 May 2022 15:56

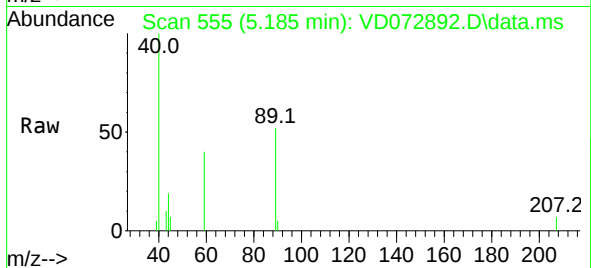
Tgt Ion: 142 Resp: 778
Ion Ratio Lower Upper
142 100
127 53.2 37.3 55.9
141 0.0 11.7 17.5#



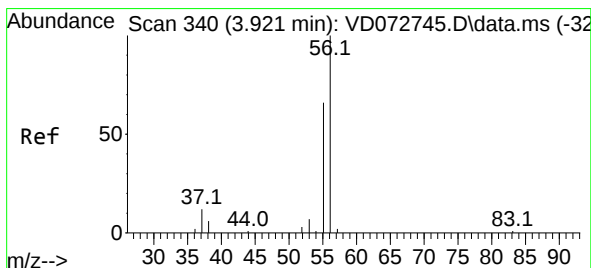
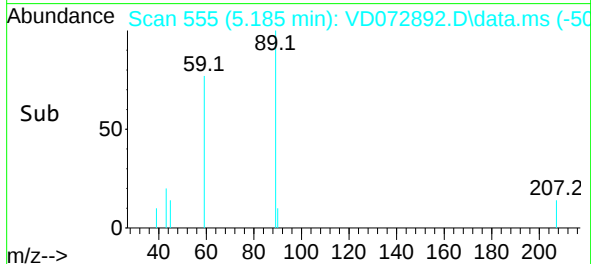
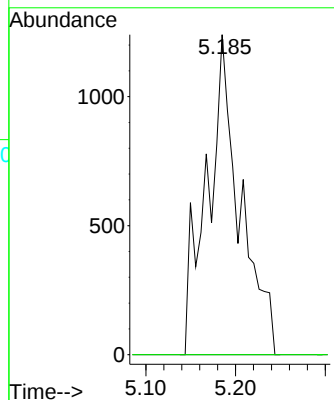


#11
Tert butyl alcohol
Concen: 55.896 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD072892.D
Acq: 09 May 2022 15:56

Instrument :
MSVOA_D
ClientSampleId :
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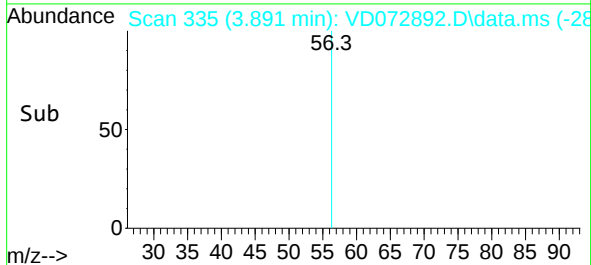
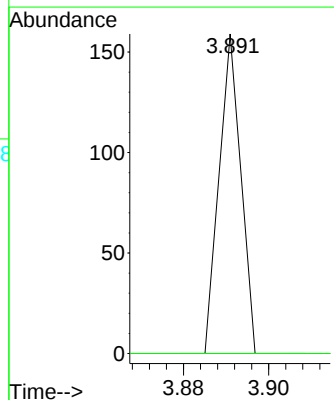
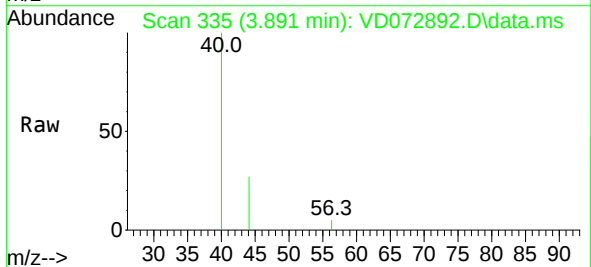


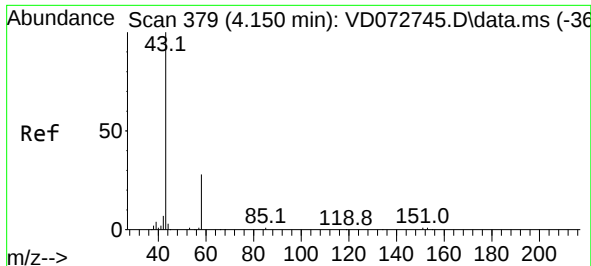
Tgt Ion: 59 Resp: 3179
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#13
Acrolein
Concen: Below Cal
RT: 3.891 min Scan# 335
Delta R.T. -0.030 min
Lab File: VD072892.D
Acq: 09 May 2022 15:56

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

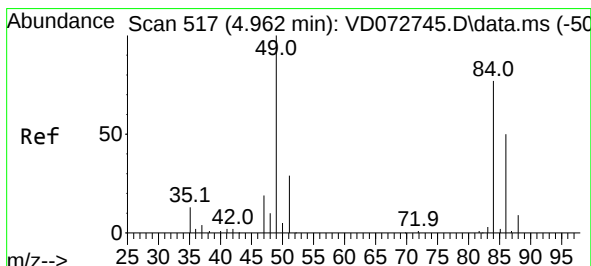
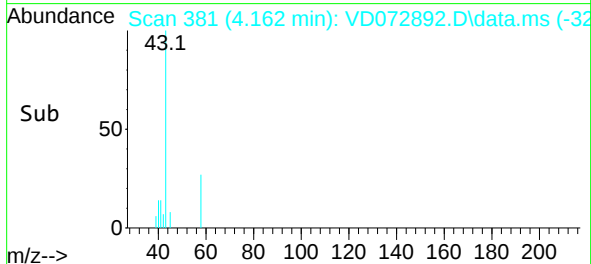
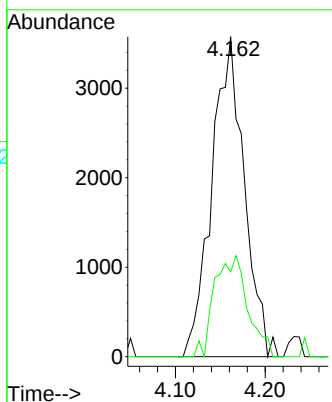
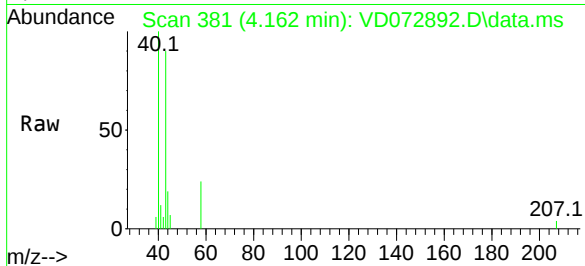




#16
Acetone
Concen: 62.482 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.011 min
Lab File: VD072892.D
Acq: 09 May 2022 15:56

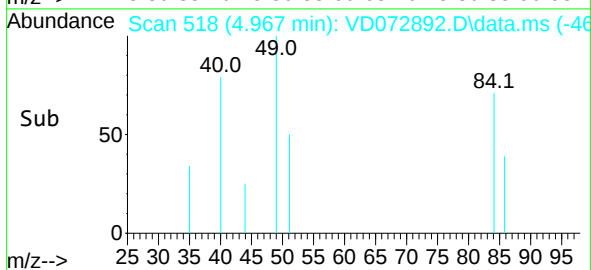
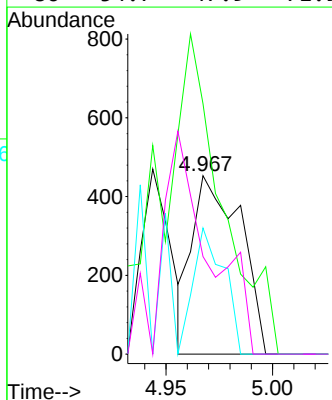
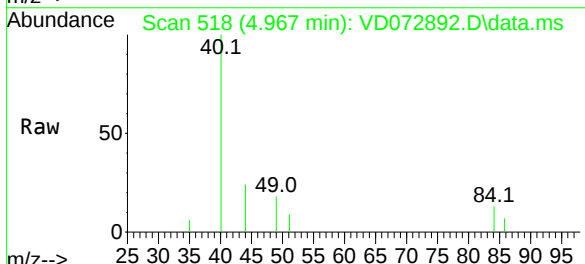
Instrument :
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ClientSampleId :
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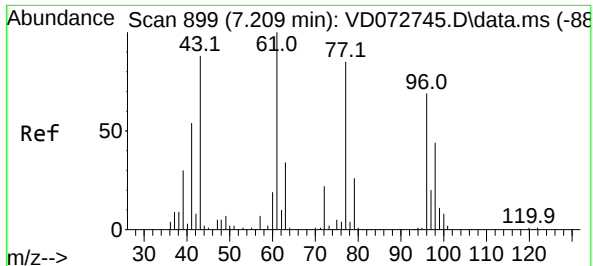
Tgt Ion: 43 Resp: 8974
Ion Ratio Lower Upper
43 100
58 26.5 22.1 33.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD072892.D
Acq: 09 May 2022 15:56

Tgt Ion: 84 Resp: 715
Ion Ratio Lower Upper
84 100
49 140.4 112.8 169.2
51 70.6 32.6 48.8#
86 54.7 47.9 71.9

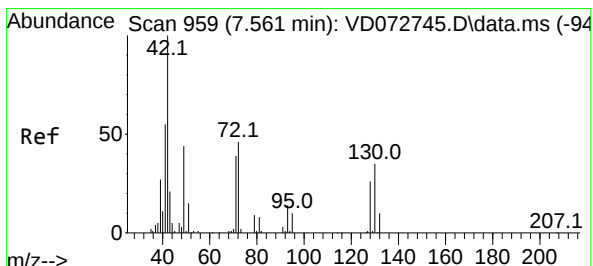
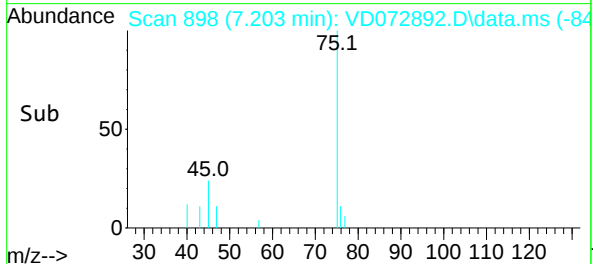
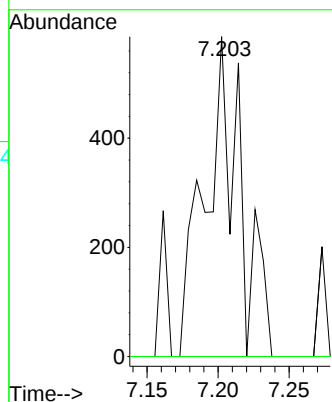
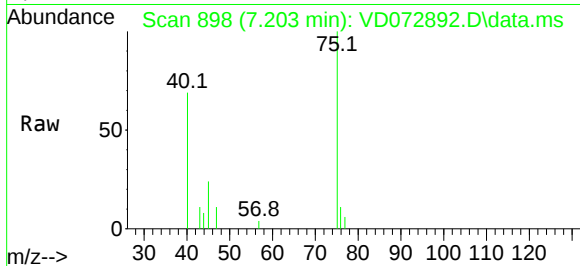




#25
2-Butanone
Concen: 5.300 ug/l
RT: 7.203 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD072892.D
Acq: 09 May 2022 15:56

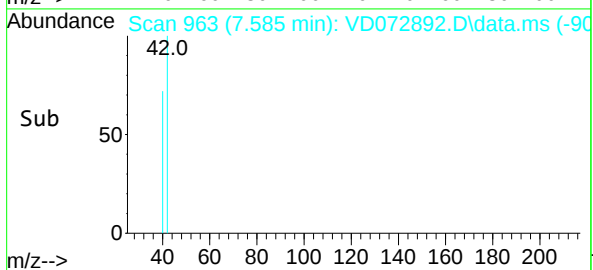
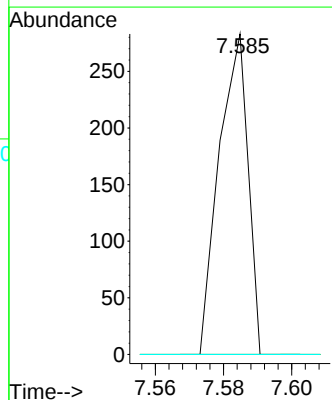
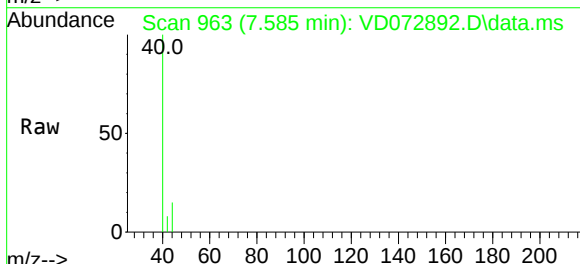
Instrument :
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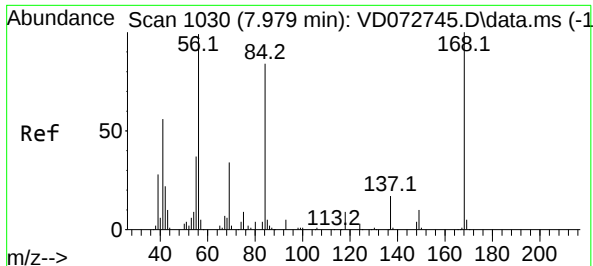
Tgt Ion: 43 Resp: 1015
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#29
Tetrahydrofuran
Concen: 1.368 ug/l
RT: 7.585 min Scan# 963
Delta R.T. 0.024 min
Lab File: VD072892.D
Acq: 09 May 2022 15:56

Tgt Ion: 42 Resp: 167
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 0.0 28.6 43.0#





#31

Cyclohexane

Concen: 1.498 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072892.D

Acq: 09 May 2022 15:56

Instrument :

MSVOA_D

ClientSampleId :

SWEEPINGS-050322

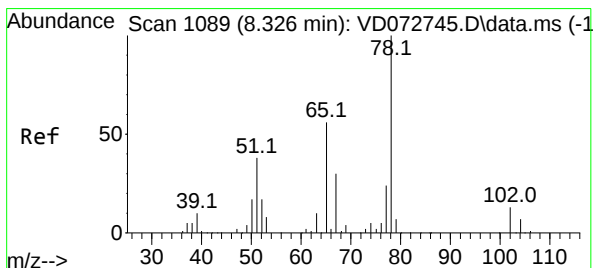
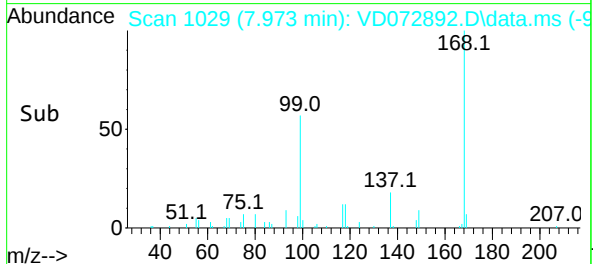
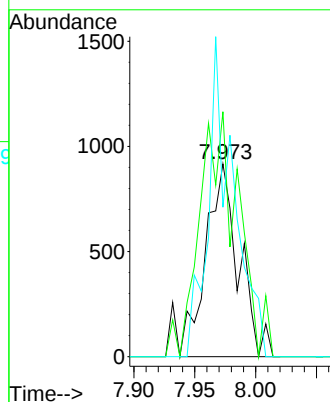
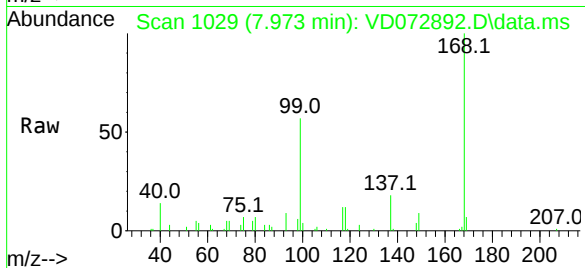
Tgt Ion: 56 Resp: 1721

Ion Ratio Lower Upper

56 100

69 127.0 25.4 38.2#

84 77.5 63.0 94.4



#33

1,2-Dichloroethane-d4

Concen: 71.985 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072892.D

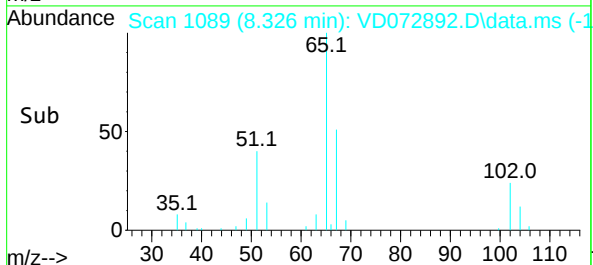
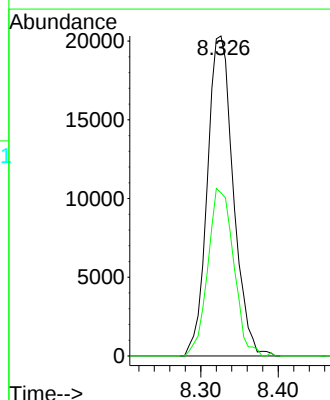
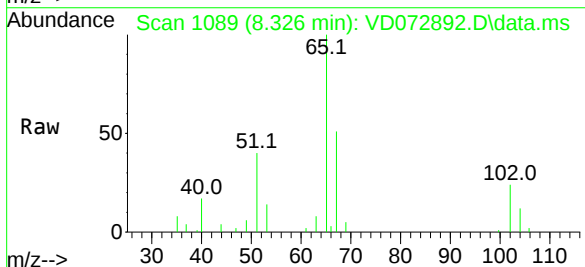
Acq: 09 May 2022 15:56

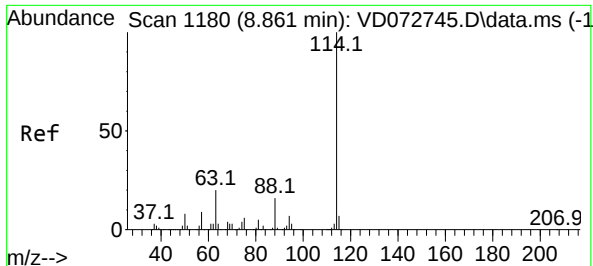
Tgt Ion: 65 Resp: 47318

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD072892.D

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Instrument :

MSVOA_D

ClientSampleId :

SWEEPINGS-050322

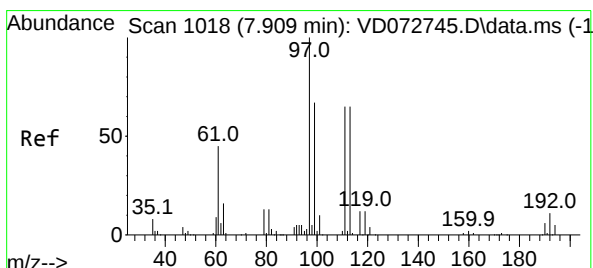
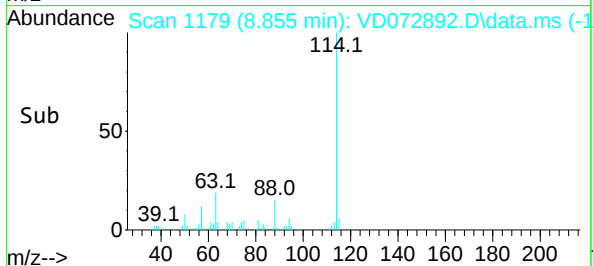
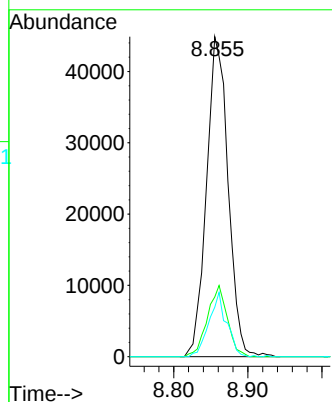
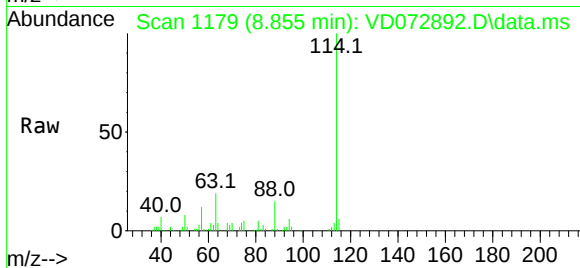
Tgt Ion:114 Resp: 90952

Ion Ratio Lower Upper

114 100

63 18.6 0.0 46.6

88 15.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 59.543 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072892.D

Acq: 09 May 2022 15:56

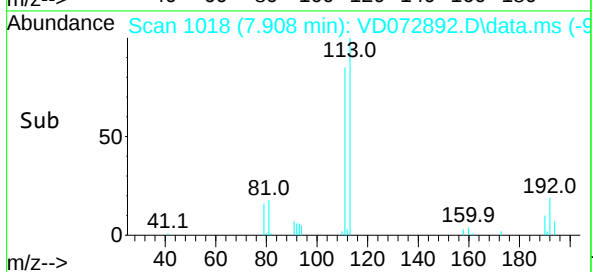
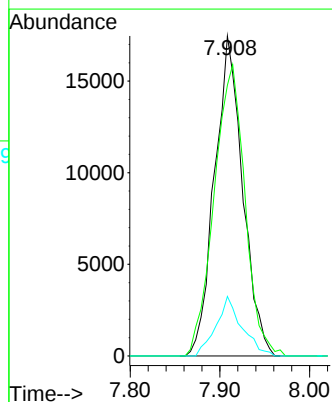
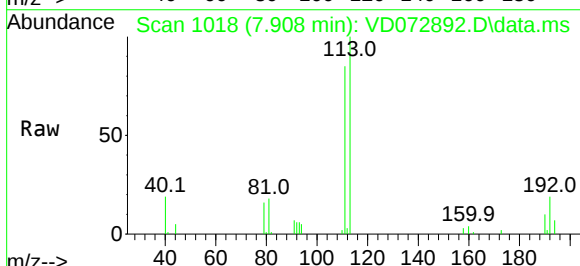
Tgt Ion:113 Resp: 38034

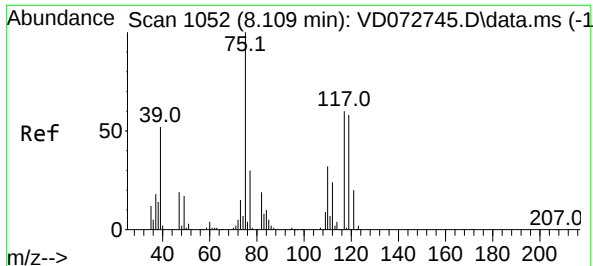
Ion Ratio Lower Upper

113 100

111 99.6 83.8 125.6

192 17.1 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.160 ug/l

RT: 7.979 min Scan# 1028

Delta R.T. -0.130 min

Lab File: VD072892.D

Acq: 09 May 2022 15:56

Instrument :

MSVOA_D

ClientSampleId :

SWEEPINGS-050322

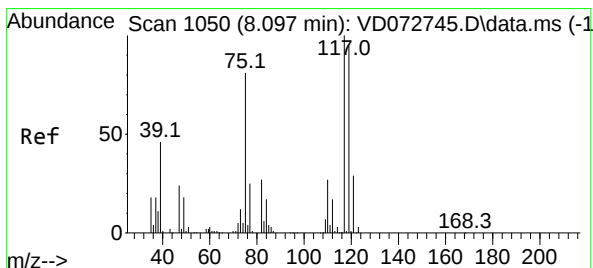
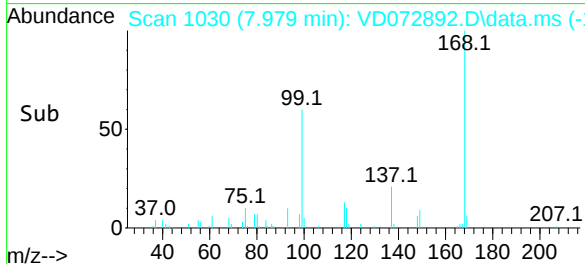
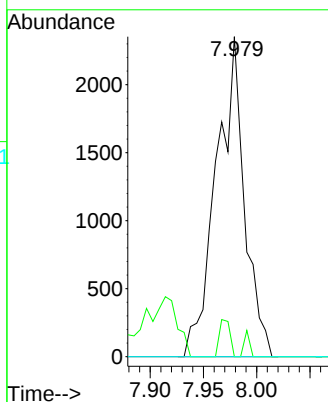
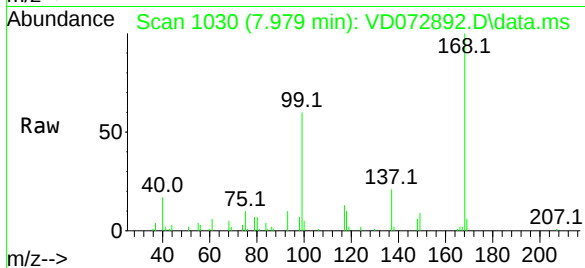
Tgt Ion: 75 Resp: 4321

Ion Ratio Lower Upper

75 100

110 1.6 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.786 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.130 min

Lab File: VD072892.D

Acq: 09 May 2022 15:56

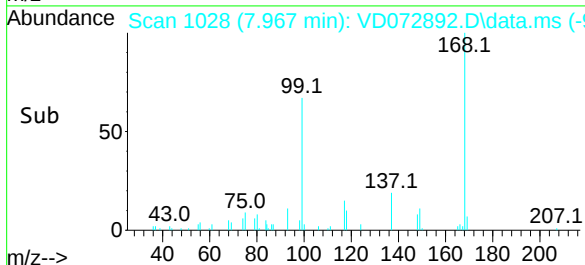
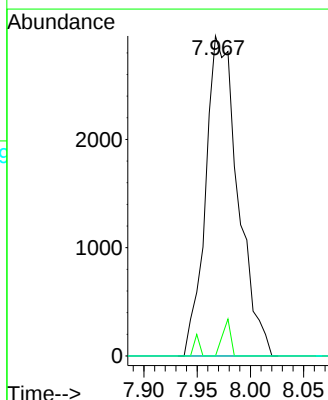
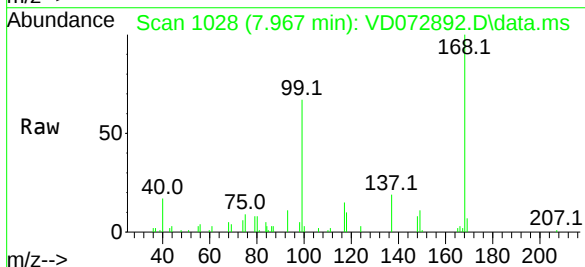
Tgt Ion: 117 Resp: 6238

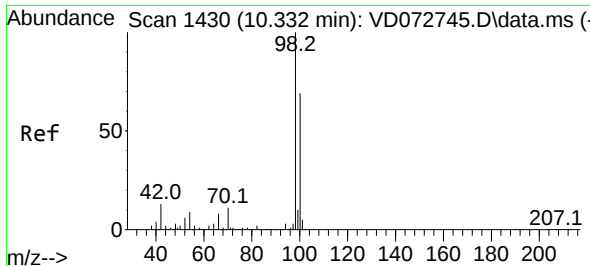
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.5 36.7#

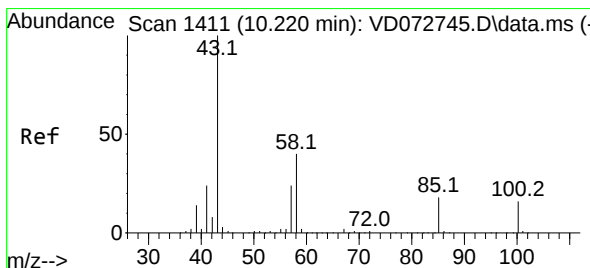
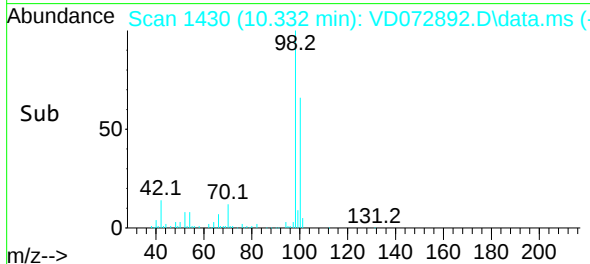
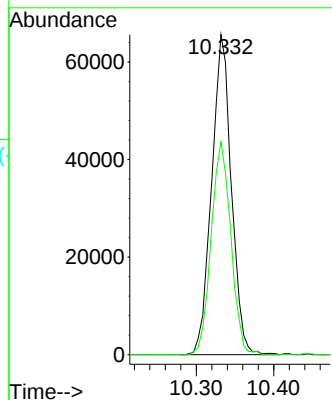
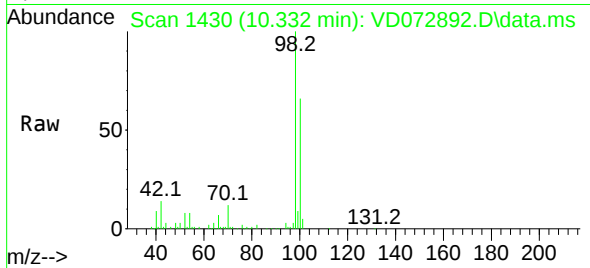




#50
Toluene-d8
Concen: 50.531 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072892.D
Acq: 09 May 2022 15:56

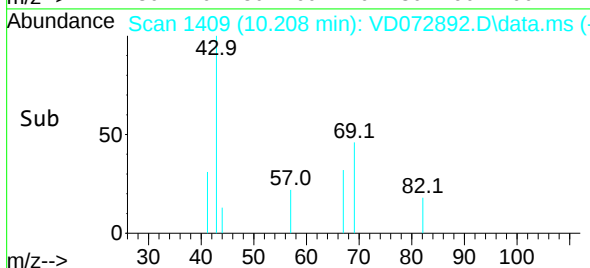
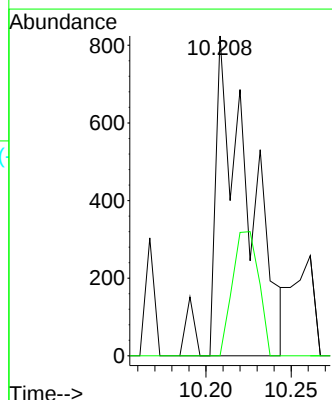
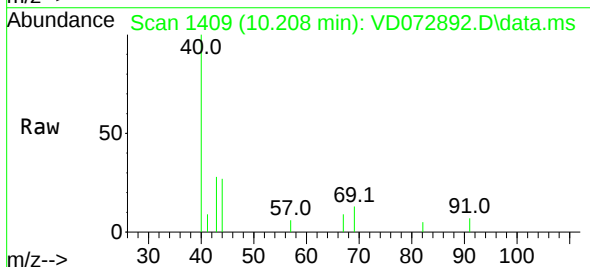
Instrument :
MSVOA_D
ClientSampleId :
SWEEPINGS-050322

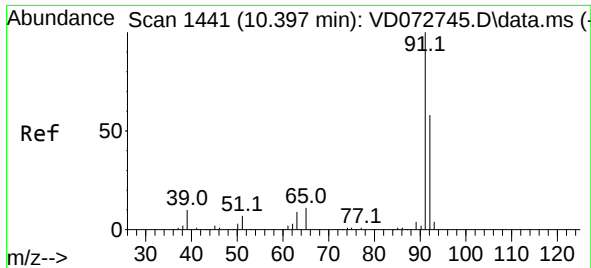
Tgt Ion: 98 Resp: 115783
Ion Ratio Lower Upper
98 100
100 66.3 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 2.472 ug/l
RT: 10.208 min Scan# 1409
Delta R.T. -0.012 min
Lab File: VD072892.D
Acq: 09 May 2022 15:56

Tgt Ion: 43 Resp: 1132
Ion Ratio Lower Upper
43 100
58 30.3 28.6 43.0

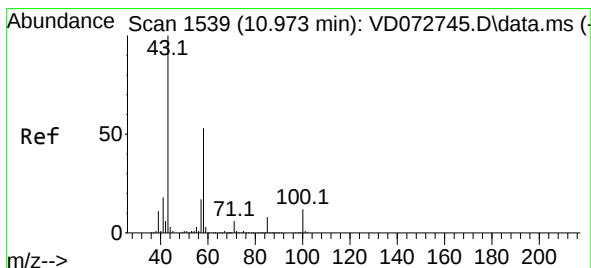
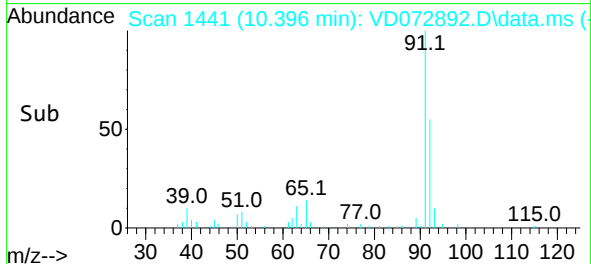
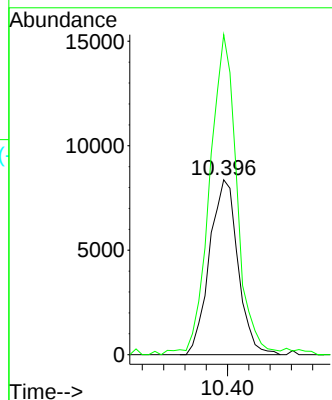
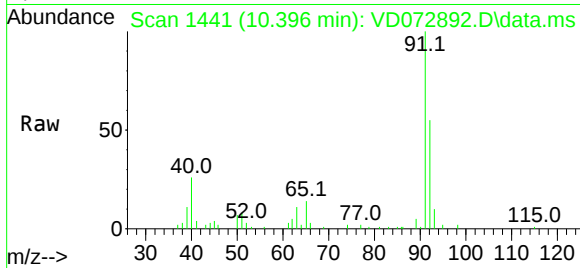




#52
Toluene
Concen: 8.287 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.001 min
Lab File: VD072892.D
Acq: 09 May 2022 15:56

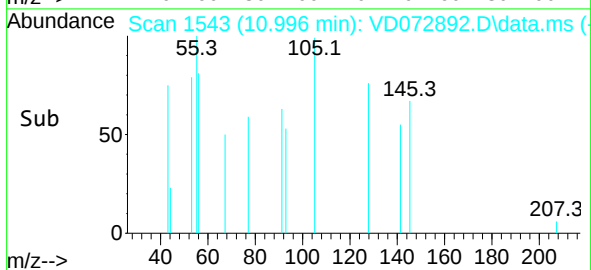
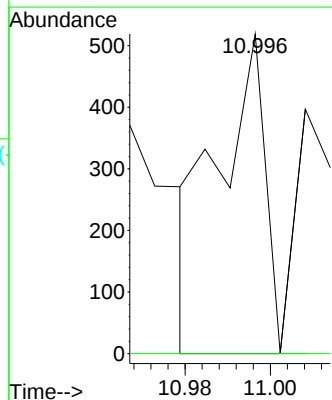
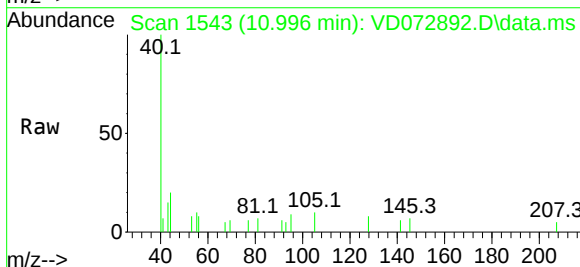
Instrument :
MSVOA_D
ClientSampleId :
SWEEPINGS-050322

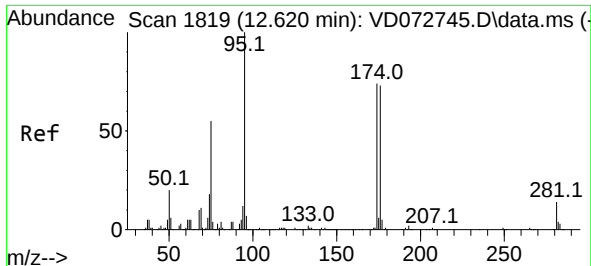
Tgt Ion: 92 Resp: 15506
Ion Ratio Lower Upper
92 100
91 175.5 139.6 209.4



#59
2-Hexanone
Concen: 1.282 ug/l
RT: 10.996 min Scan# 1543
Delta R.T. 0.023 min
Lab File: VD072892.D
Acq: 09 May 2022 15:56

Tgt Ion: 43 Resp: 395
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#

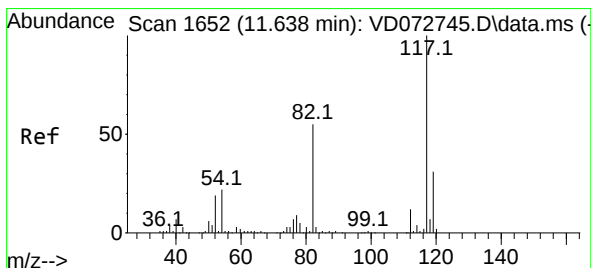
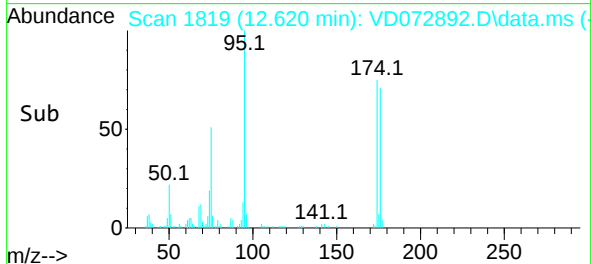
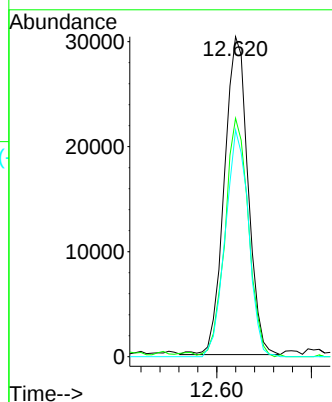
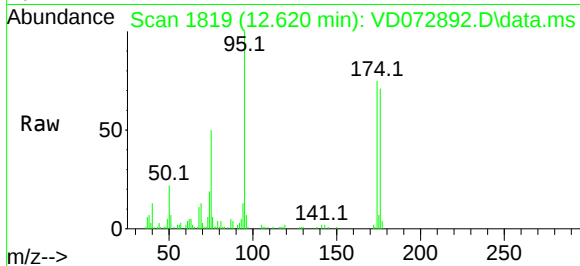




#62
4-Bromofluorobenzene
Concen: 61.340 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072892.D
Acq: 09 May 2022 15:56

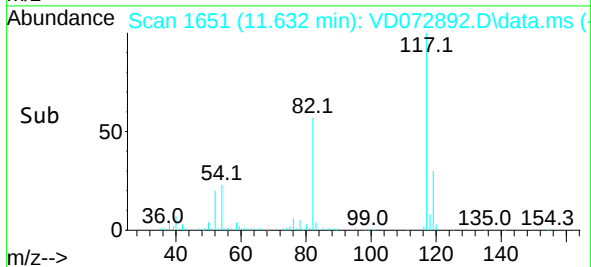
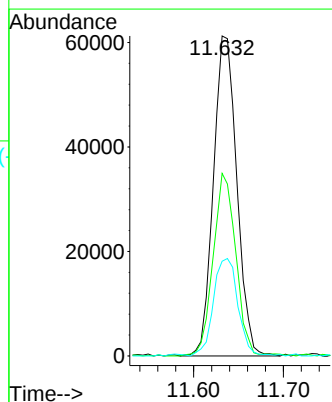
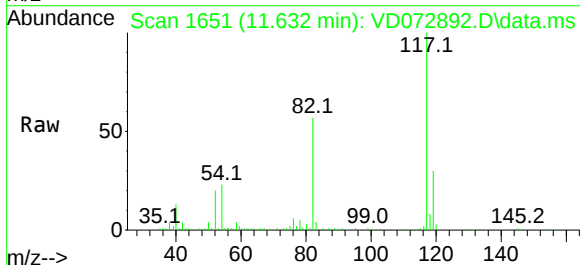
Instrument :
MSVOA_D
ClientSampleId :
SWEEPINGS-050322

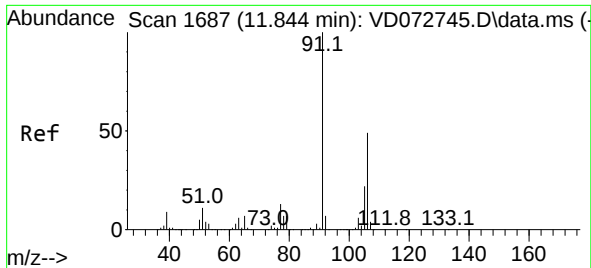
Tgt Ion: 95 Resp: 52407
Ion Ratio Lower Upper
95 100
174 74.3 0.0 152.8
176 69.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD072892.D
Acq: 09 May 2022 15:56

Tgt Ion: 117 Resp: 110812
Ion Ratio Lower Upper
117 100
82 57.0 45.3 67.9
119 29.2 26.6 40.0

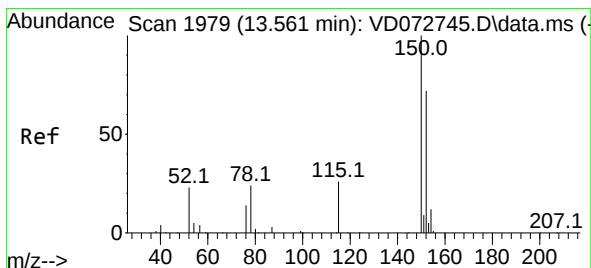
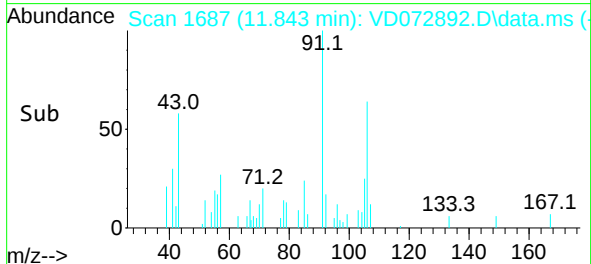
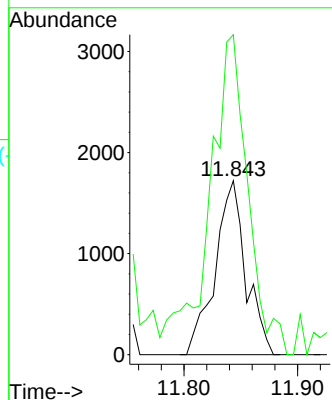
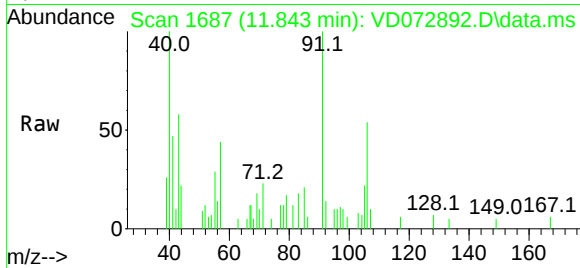




#68
m/p-Xylenes
Concen: 1.899 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.001 min
Lab File: VD072892.D
Acq: 09 May 2022 15:56

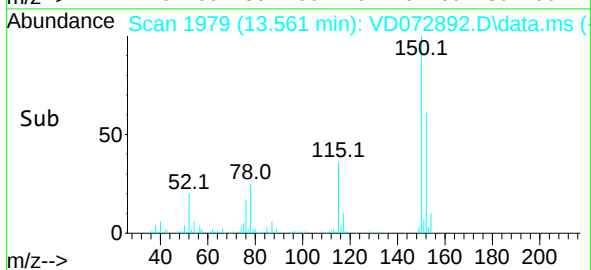
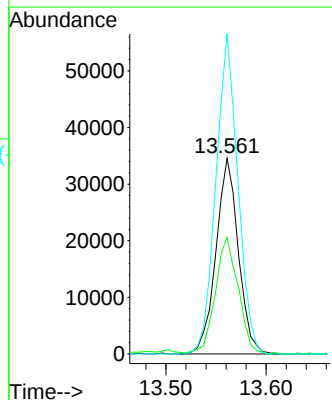
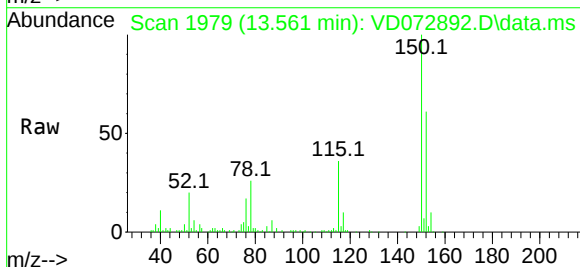
Instrument :
MSVOA_D
ClientSampleId :
SWEEPINGS-050322

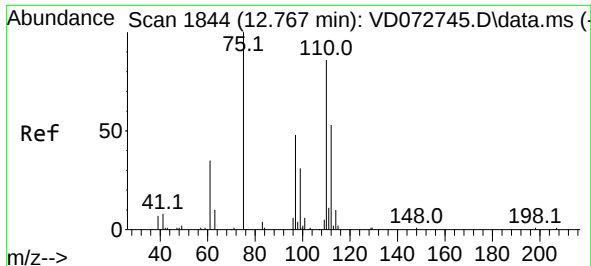
Tgt Ion:106 Resp: 3245
Ion Ratio Lower Upper
106 100
91 229.1 163.7 245.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072892.D
Acq: 09 May 2022 15:56

Tgt Ion:152 Resp: 53649
Ion Ratio Lower Upper
152 100
115 61.0 31.3 93.8
150 160.3 0.0 348.6

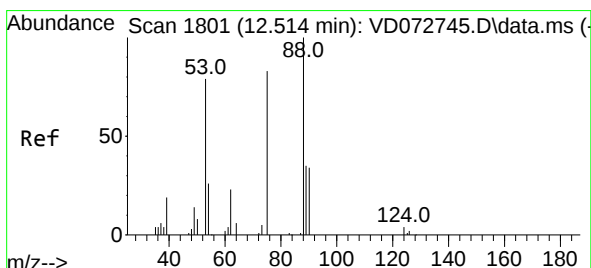
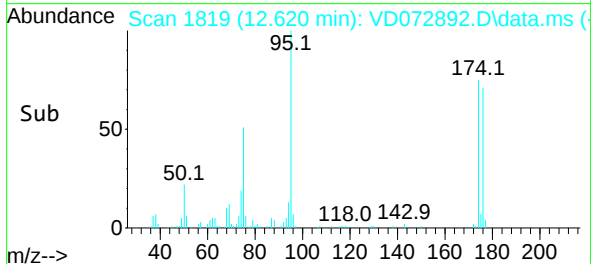
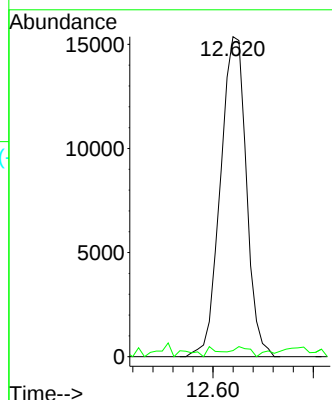
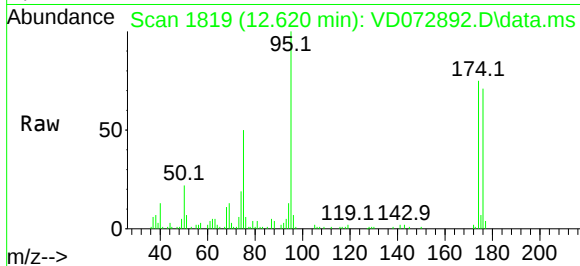




#76
1,2,3-Trichloropropane
Concen: 46.020 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072892.D
Acq: 09 May 2022 15:56

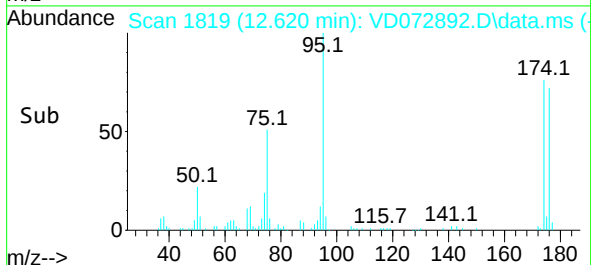
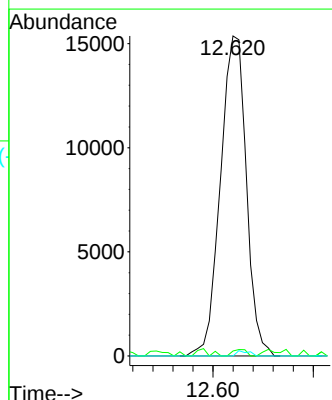
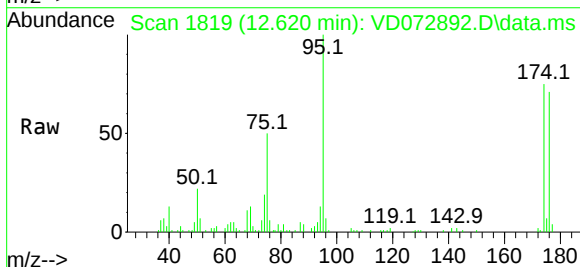
Instrument :
MSVOA_D
ClientSampleId :
SWEEPINGS-050322

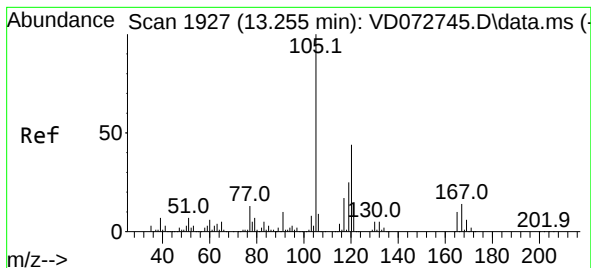
Tgt Ion: 75 Resp: 27530
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.827 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072892.D
Acq: 09 May 2022 15:56

Tgt Ion: 75 Resp: 27530
Ion Ratio Lower Upper
75 100
53 1.1 86.5 129.7#
89 0.8 33.9 50.9#





#84

1,2,4-Trimethylbenzene

Concen: 1.786 ug/l

RT: 13.255 min Scan# 1927

Delta R.T. 0.000 min

Lab File: VD072892.D

Acq: 09 May 2022 15:56

Instrument :

MSVOA_D

ClientSampleId :

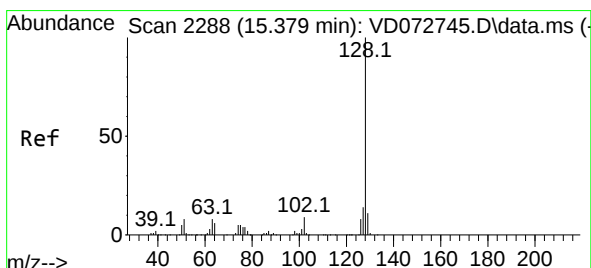
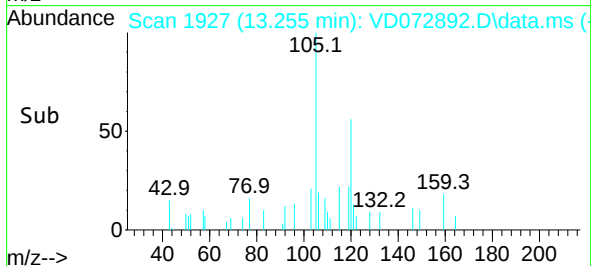
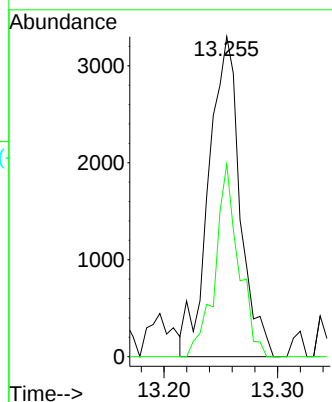
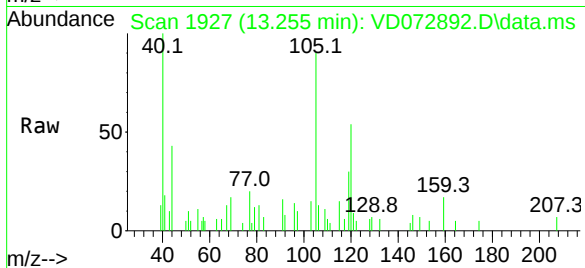
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Tgt Ion:105 Resp: 6320

Ion Ratio Lower Upper

105 100

120 45.5 22.3 66.8



#95

Naphthalene

Concen: 1.853 ug/l

RT: 15.379 min Scan# 2288

Delta R.T. -0.000 min

Lab File: VD072892.D

Acq: 09 May 2022 15:56

Tgt Ion:128 Resp: 3511

Ion Ratio Lower Upper

128 100

127 16.5 10.3 15.5#

129 14.8 8.4 12.6#

