

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071222\
 Data File : VY009537.D
 Acq On : 12 Jul 2022 17:05
 Operator : KP/MD
 Sample : N3597-04
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220509-COMPOSITE-D

Quant Time: Jul 13 01:16:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

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

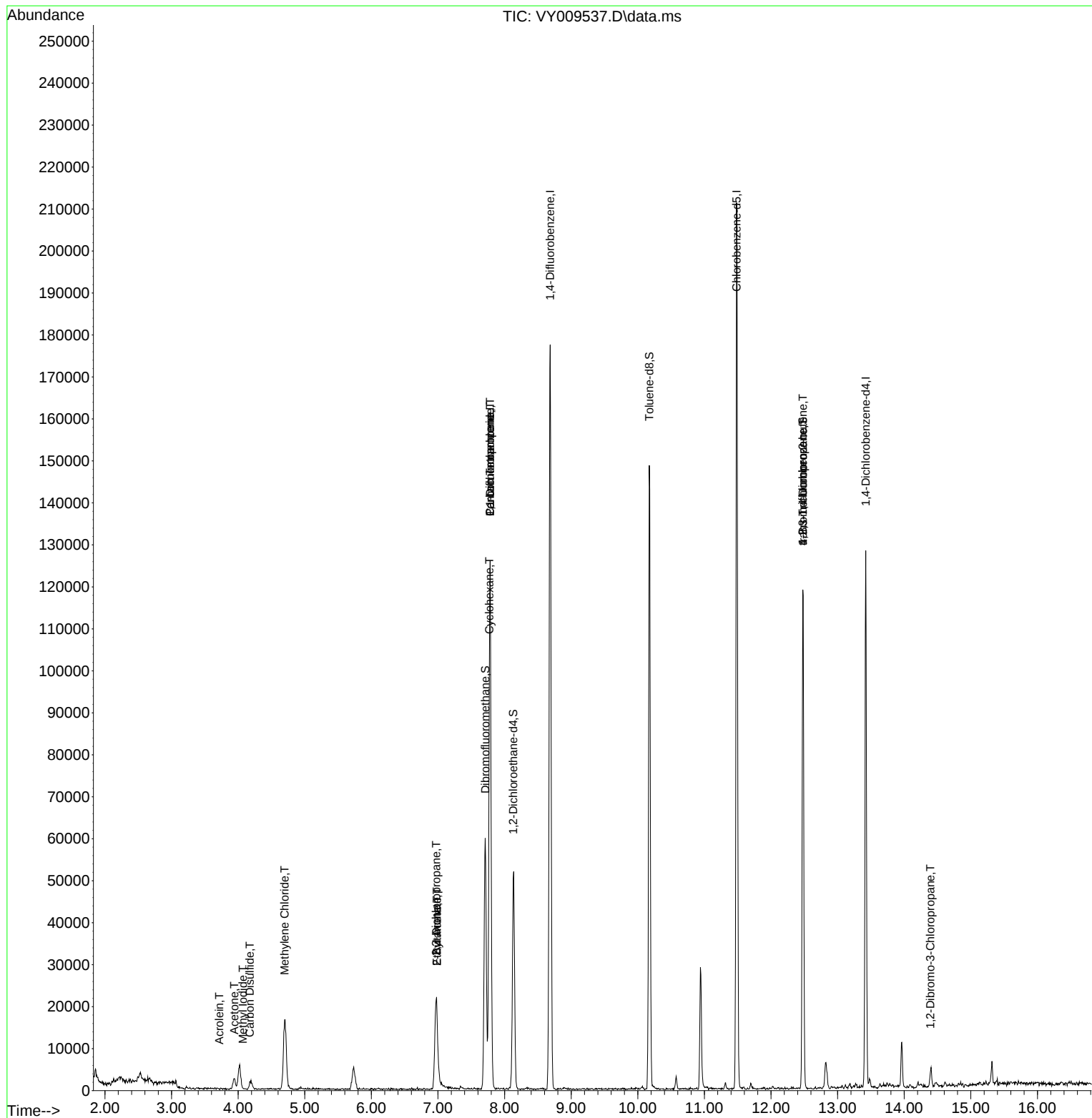
Internal Standards						
1) Pentafluorobenzene	7.782	168	97974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	154834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	113146	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	32577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	39293	57.967	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.940%			
35) Dibromofluoromethane	7.709	113	40852	50.144	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.280%			
50) Toluene-d8	10.172	98	95979	41.605	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 83.220%			
62) 4-Bromofluorobenzene	12.477	95	33229	28.895	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 57.780%			
Target Compounds			Qvalue			
10) Methyl Iodide	4.070	142	43	4.196	ug/l #	35
11) Tert butyl alcohol	4.935	59	481	Below Cal	#	93
13) Acrolein	3.716	56	33	30.612	ug/l #	14
16) Acetone	3.942	43	4891	20.521	ug/l	90
17) Carbon Disulfide	4.173	76	2031	5.117	ug/l #	89
20) Methylene Chloride	4.698	84	12201	6.721	ug/l #	80
23) Vinyl Acetate	6.069	43	32	Below Cal	#	75
25) 2-Butanone	6.984	43	3029	7.856	ug/l	99
26) 2,2-Dichloropropane	6.972	77	1861	1.142	ug/l #	55
31) Cyclohexane	7.770	56	2139	1.331	ug/l #	1
36) 1,1-Dichloropropene	7.782	75	7552	5.694	ug/l #	50
37) Ethyl Acetate	6.984	43	3029	3.643	ug/l #	62
38) Carbon Tetrachloride	7.782	117	9342	6.586	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	17669	51.236	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	17669	104.862	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.391	75	1528	19.542	ug/l #	6

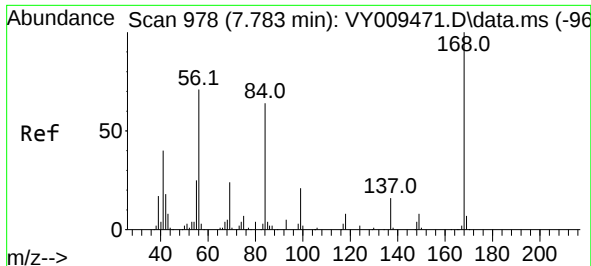
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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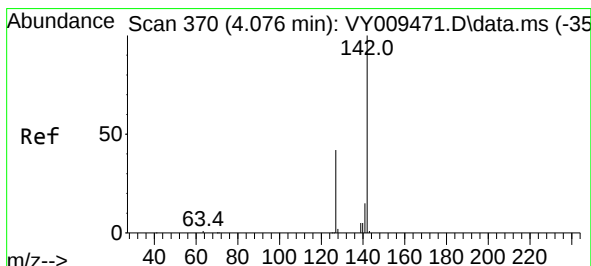
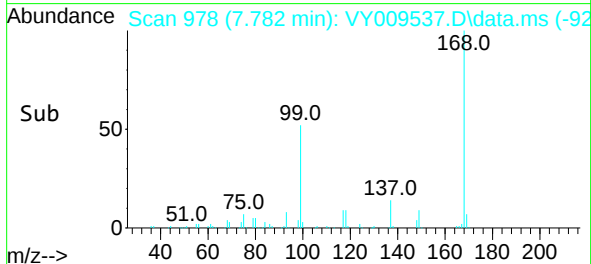
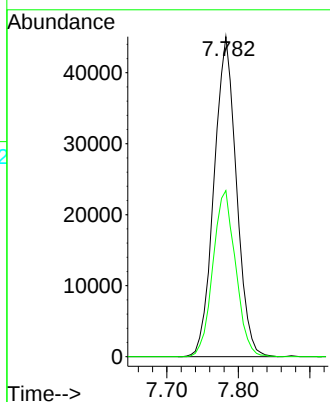
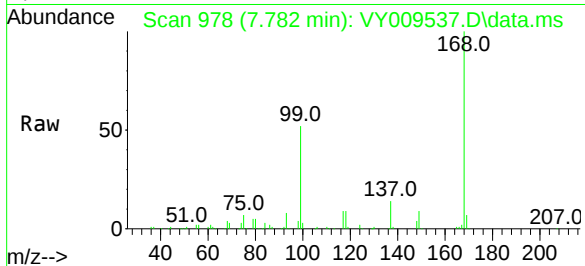




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.001 min
Lab File: VY009537.D
Acq: 12 Jul 2022 17:05

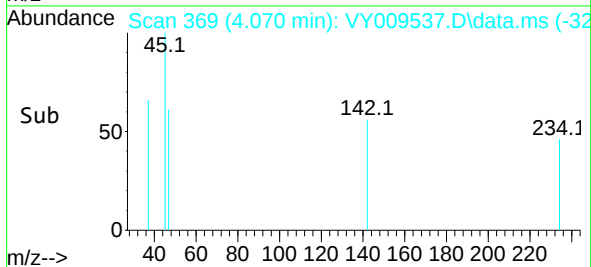
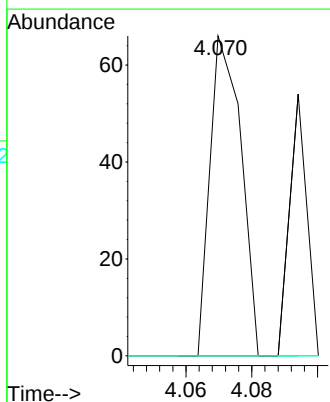
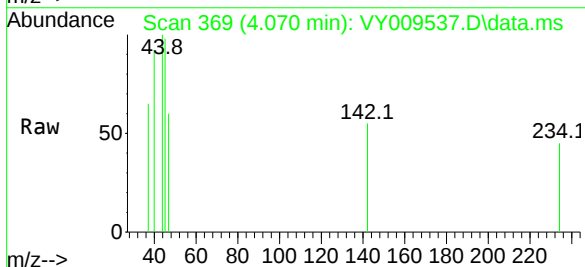
Instrument :
MSVOA_Y
ClientSampleId :
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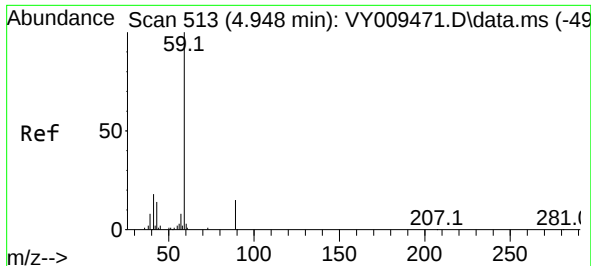
Tgt Ion:168 Resp: 97974
Ion Ratio Lower Upper
168 100
99 51.9 46.9 70.3



#10
Methyl Iodide
Concen: 4.196 ug/l
RT: 4.070 min Scan# 369
Delta R.T. -0.006 min
Lab File: VY009537.D
Acq: 12 Jul 2022 17:05

Tgt Ion:142 Resp: 43
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.935 min Scan# 51

Delta R.T. -0.013 min

Lab File: VY009537.D

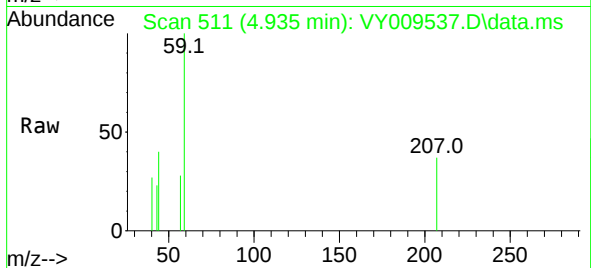
Acq: 12 Jul 2022 17:05

Instrument :

MSVOA_Y

ClientSampleId :

20220509-COMPOSITE-D

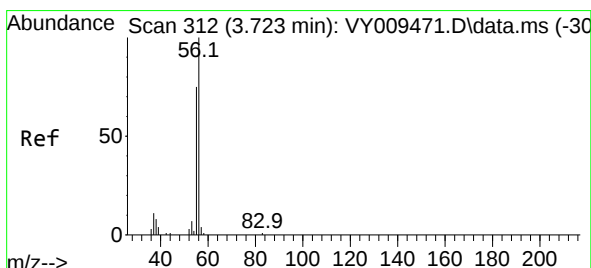
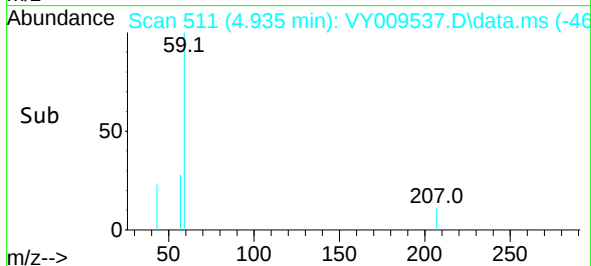
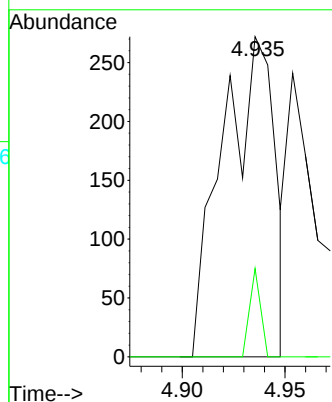


Tgt Ion: 59 Resp: 481

Ion Ratio Lower Upper

59 100

57 5.6 6.4 9.6#



#13

Acrolein

Concen: 30.612 ug/l

RT: 3.716 min Scan# 311

Delta R.T. -0.007 min

Lab File: VY009537.D

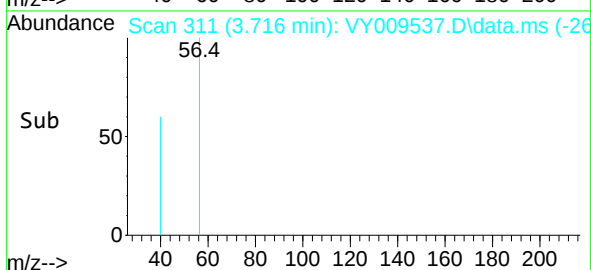
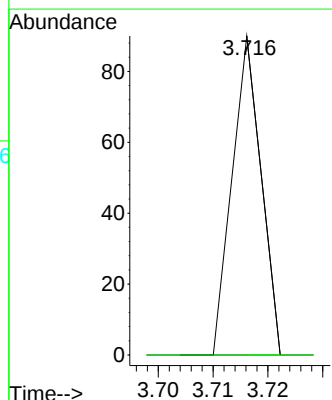
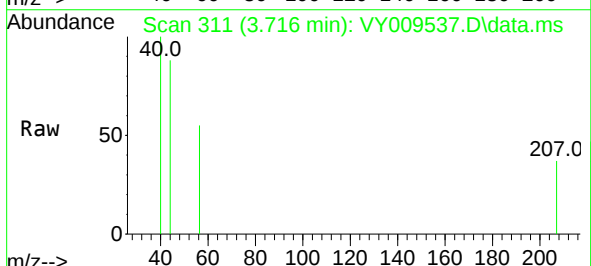
Acq: 12 Jul 2022 17:05

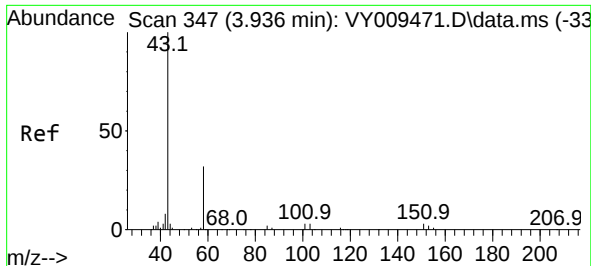
Tgt Ion: 56 Resp: 33

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#

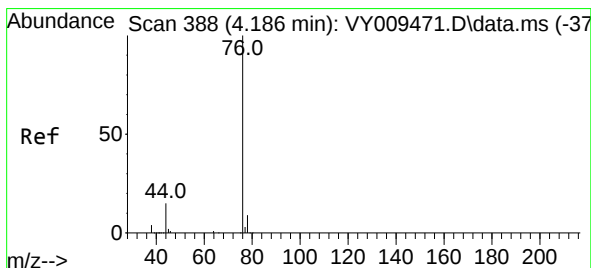
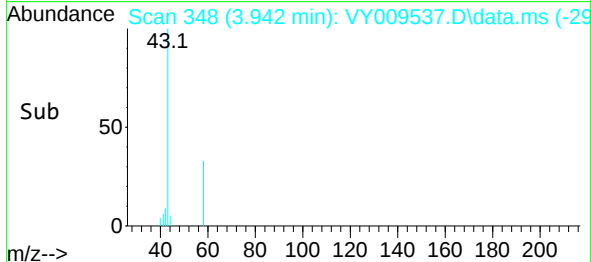
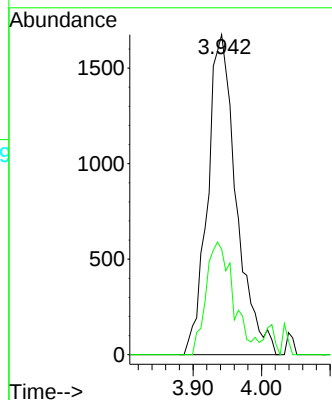
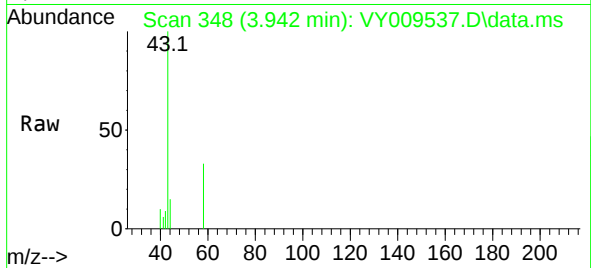




#16
Acetone
Concen: 20.521 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY009537.D
Acq: 12 Jul 2022 17:05

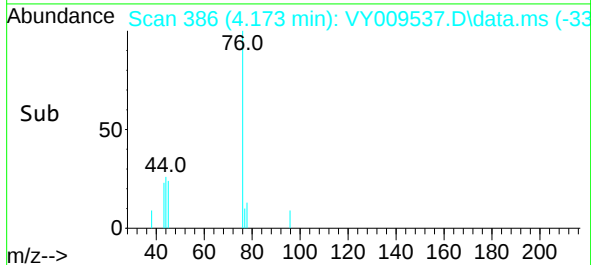
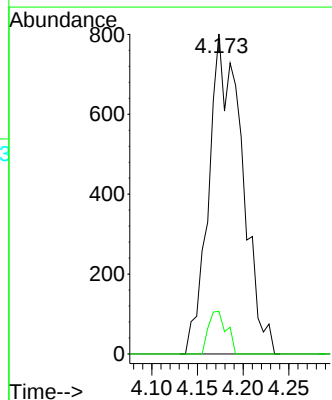
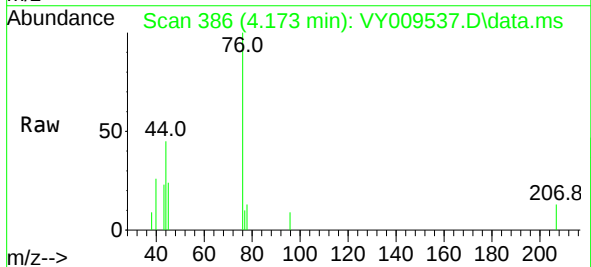
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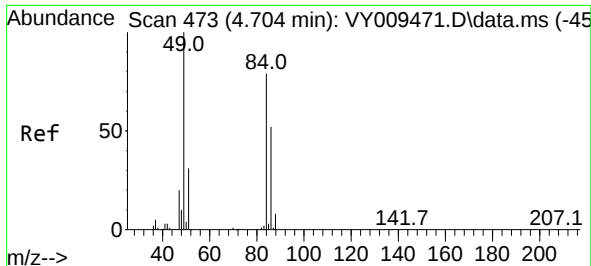
Tgt Ion: 43 Resp: 4891
Ion Ratio Lower Upper
43 100
58 32.9 22.0 33.0



#17
Carbon Disulfide
Concen: 5.117 ug/l
RT: 4.173 min Scan# 386
Delta R.T. -0.013 min
Lab File: VY009537.D
Acq: 12 Jul 2022 17:05

Tgt Ion: 76 Resp: 2031
Ion Ratio Lower Upper
76 100
78 13.4 7.4 11.0





#20

Methylene Chloride

Concen: 6.721 ug/l

RT: 4.698 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY009537.D

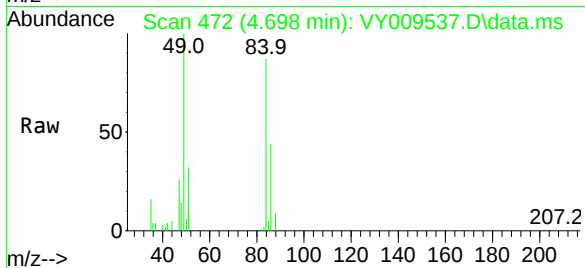
Acq: 12 Jul 2022 17:05

Instrument :

MSVOA_Y

ClientSampleId :

20220509-COMPOSITE-D



Tgt Ion: 84 Resp: 12201

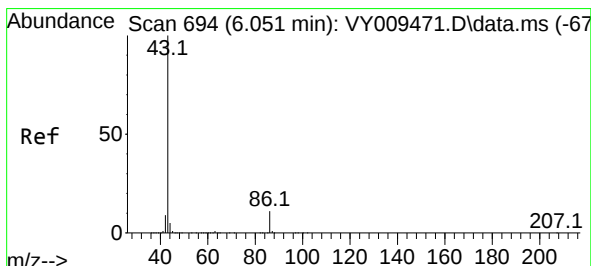
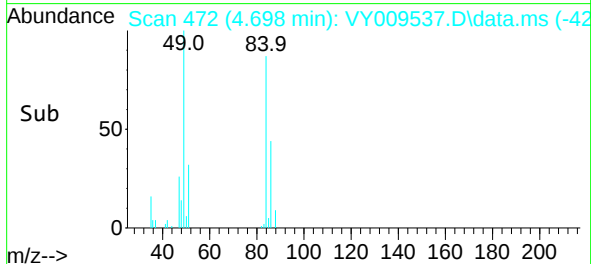
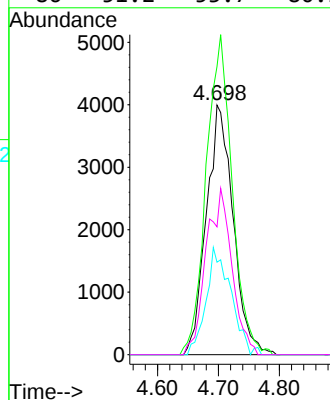
Ion Ratio Lower Upper

84 100

49 115.4 114.4 171.6

51 37.0 35.3 52.9

86 51.2 53.7 80.5#



#23

Vinyl Acetate

Concen: Below Cal

RT: 6.069 min Scan# 697

Delta R.T. 0.018 min

Lab File: VY009537.D

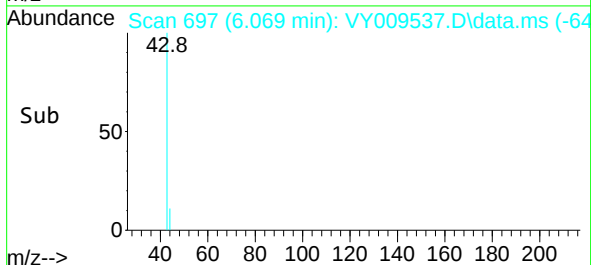
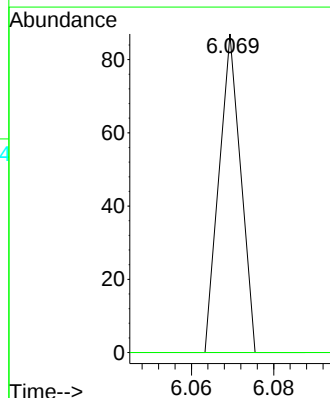
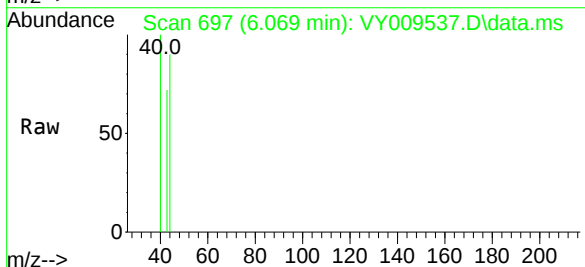
Acq: 12 Jul 2022 17:05

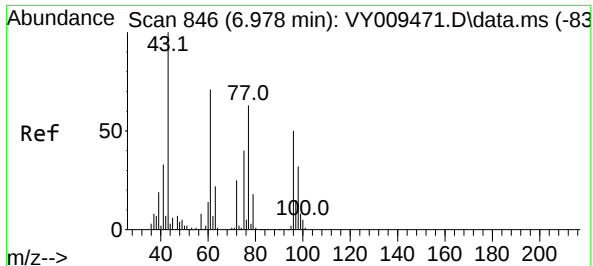
Tgt Ion: 43 Resp: 32

Ion Ratio Lower Upper

43 100

86 0.0 7.1 10.7#

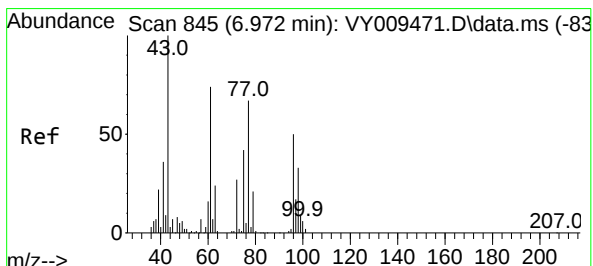
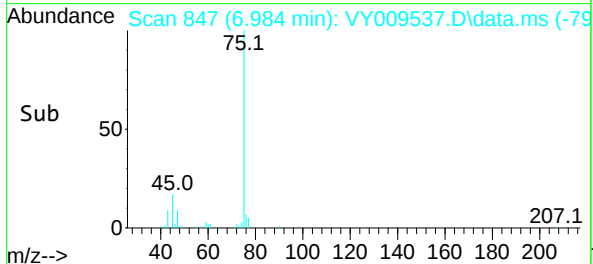
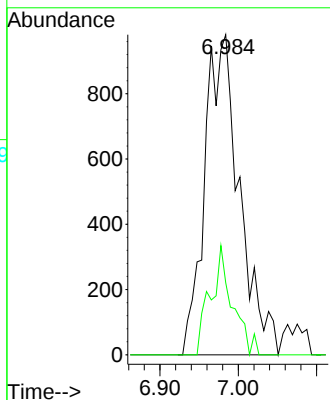
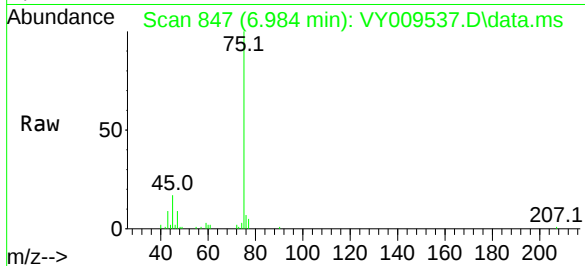




#25
2-Butanone
Concen: 7.856 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY009537.D
Acq: 12 Jul 2022 17:05

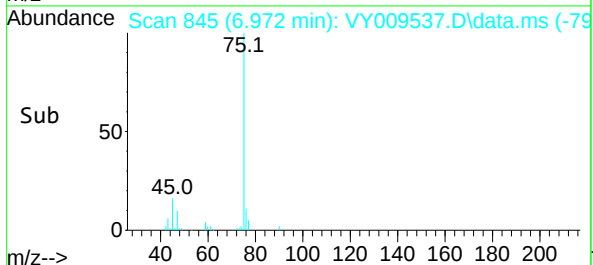
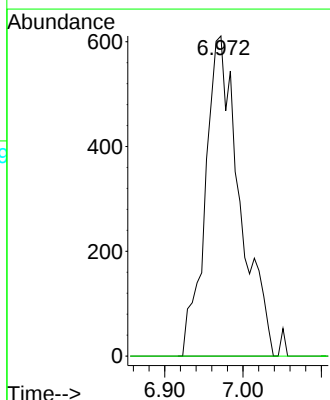
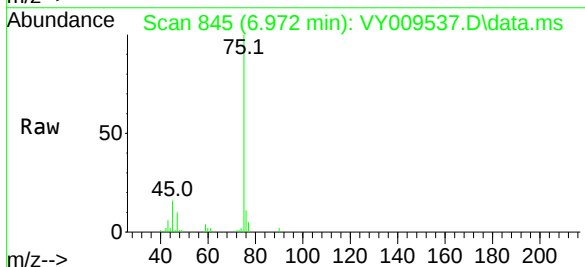
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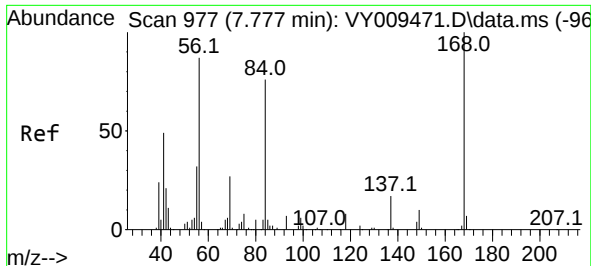
Tgt Ion: 43 Resp: 3029
Ion Ratio Lower Upper
43 100
72 22.5 17.7 26.5



#26
2,2-Dichloropropane
Concen: 1.142 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.000 min
Lab File: VY009537.D
Acq: 12 Jul 2022 17:05

Tgt Ion: 77 Resp: 1861
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#

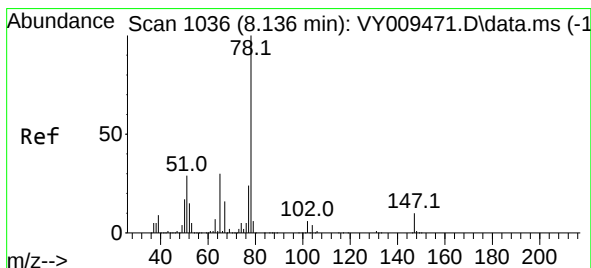
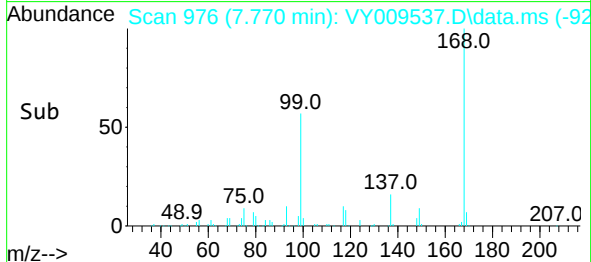
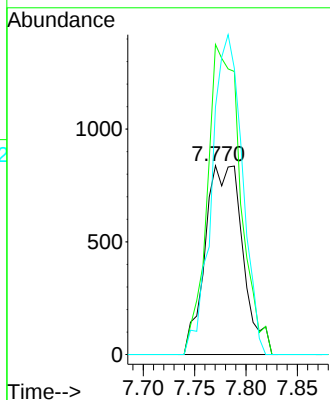
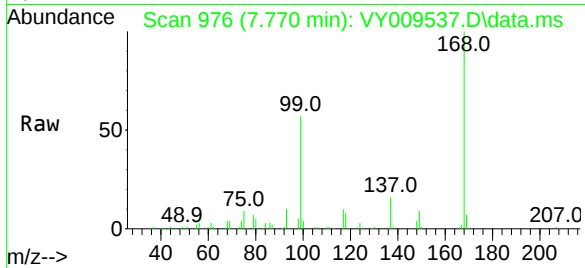




#31
Cyclohexane
Concen: 1.331 ug/l
RT: 7.770 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY009537.D
Acq: 12 Jul 2022 17:05

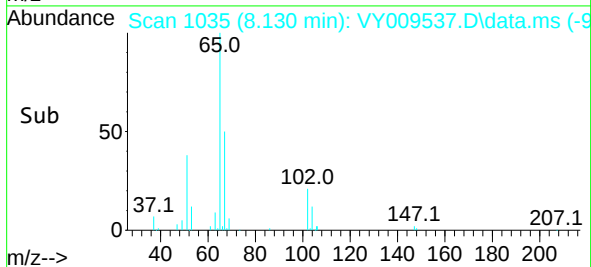
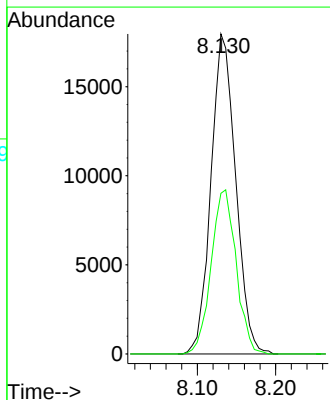
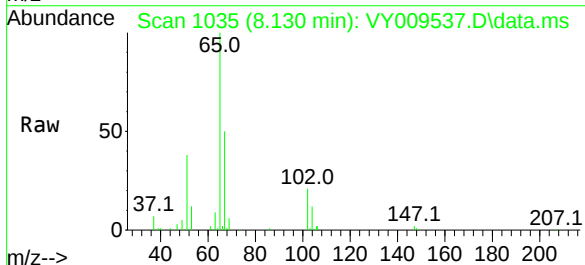
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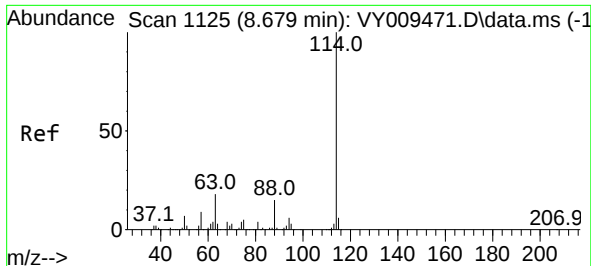
Tgt Ion: 56 Resp: 2139
Ion Ratio Lower Upper
56 100
69 164.2 26.7 40.1#
84 131.1 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 57.967 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY009537.D
Acq: 12 Jul 2022 17:05

Tgt Ion: 65 Resp: 39293
Ion Ratio Lower Upper
65 100
67 52.0 0.0 99.4

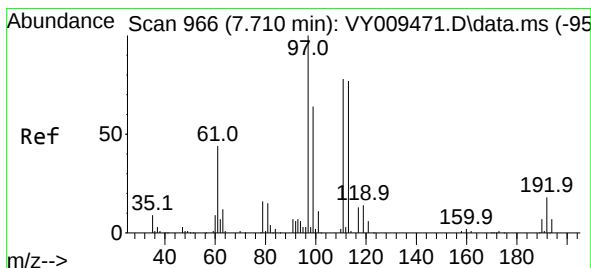
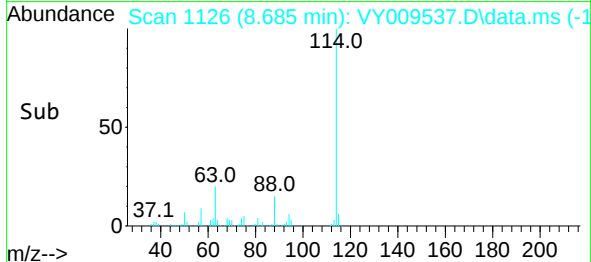
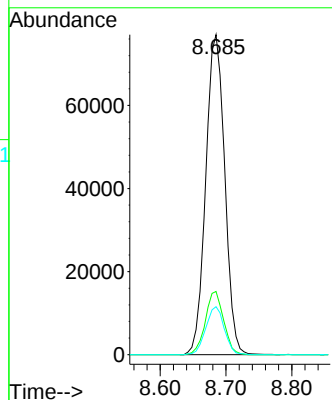
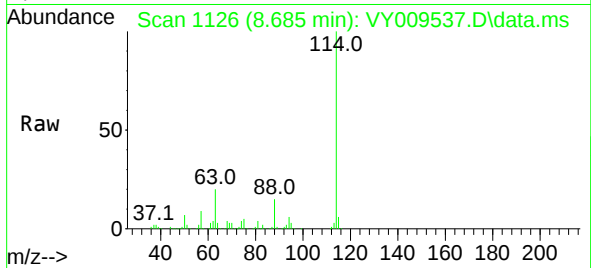




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY009537.D
Acq: 12 Jul 2022 17:05

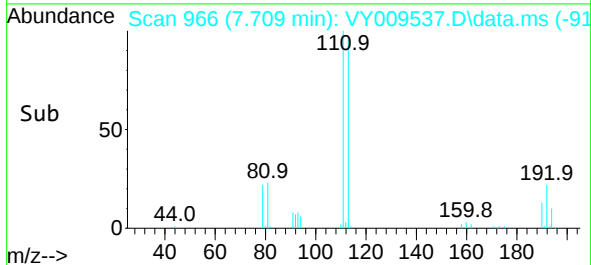
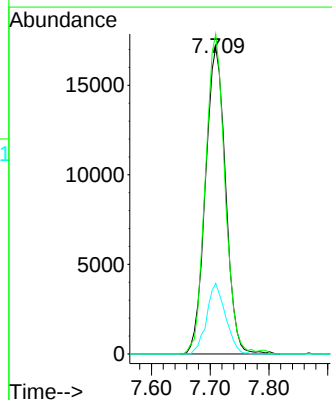
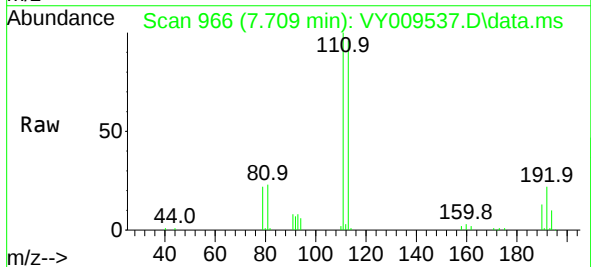
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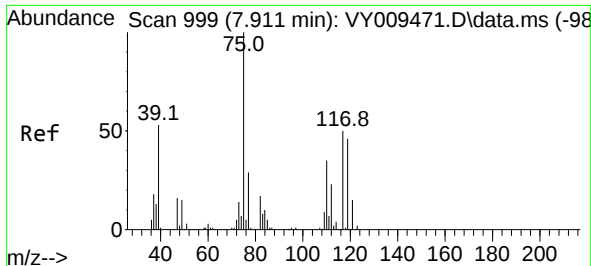
Tgt Ion:114 Resp: 154834
Ion Ratio Lower Upper
114 100
63 19.8 0.0 43.2
88 15.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 50.144 ug/l
RT: 7.709 min Scan# 966
Delta R.T. -0.001 min
Lab File: VY009537.D
Acq: 12 Jul 2022 17:05

Tgt Ion:113 Resp: 40852
Ion Ratio Lower Upper
113 100
111 101.1 82.6 124.0
192 21.5 17.6 26.4

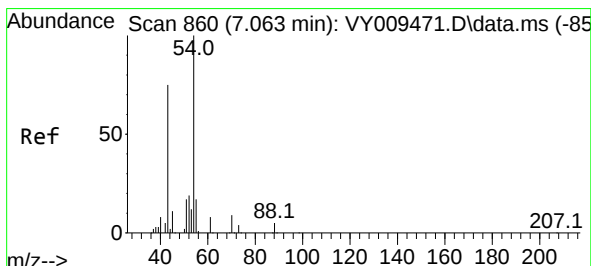
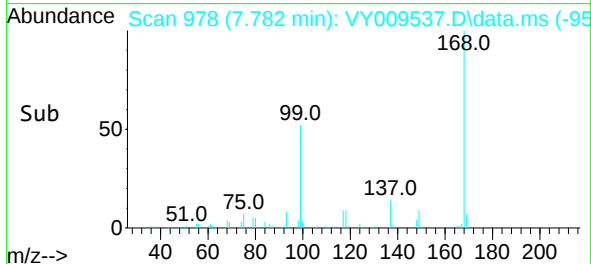
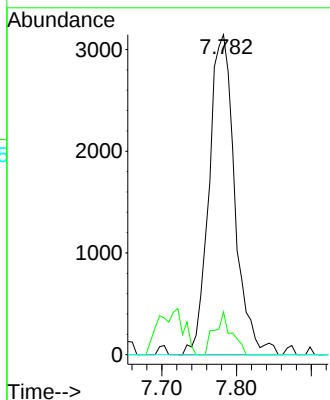
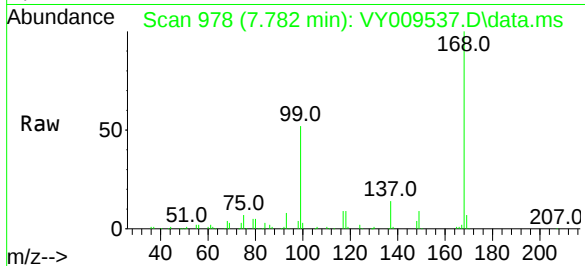




#36
1,1-Dichloropropene
Concen: 5.694 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.129 min
Lab File: VY009537.D
Acq: 12 Jul 2022 17:05

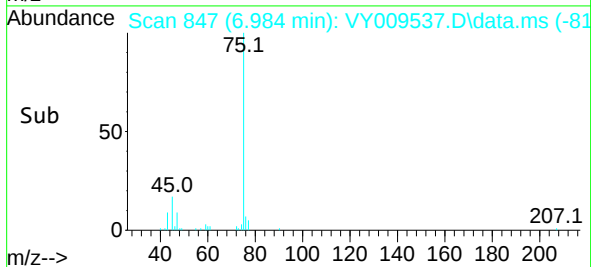
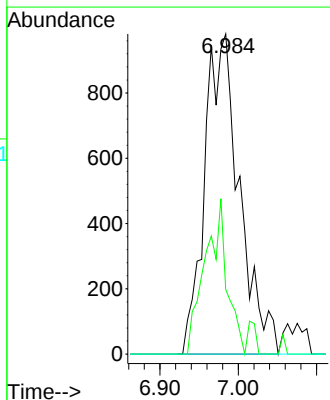
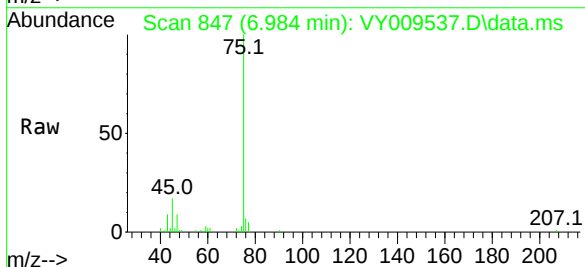
Instrument :
MSVOA_Y
ClientSampleId :
20220509-COMPOSITE-D

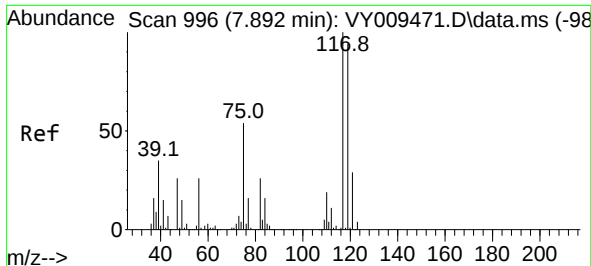
Tgt Ion: 75 Resp: 7552
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 3.643 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.079 min
Lab File: VY009537.D
Acq: 12 Jul 2022 17:05

Tgt Ion: 43 Resp: 3029
Ion Ratio Lower Upper
43 100
61 30.7 9.7 14.5#
70 0.0 7.1 10.7#

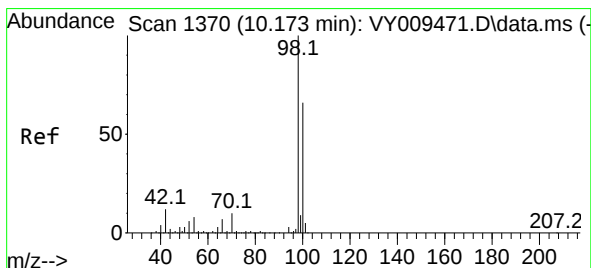
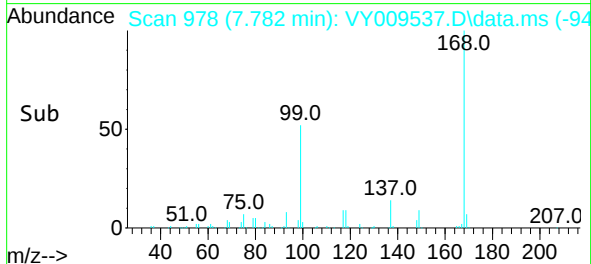
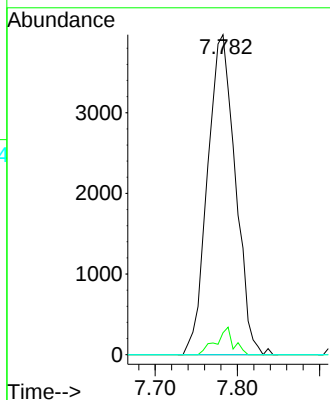
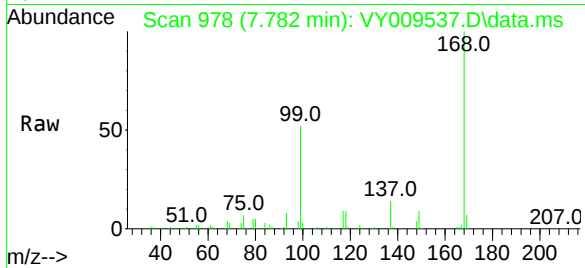




#38
Carbon Tetrachloride
Concen: 6.586 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY009537.D
Acq: 12 Jul 2022 17:05

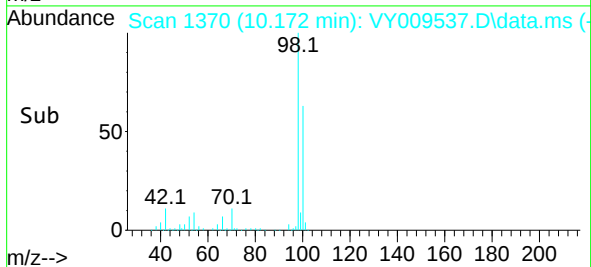
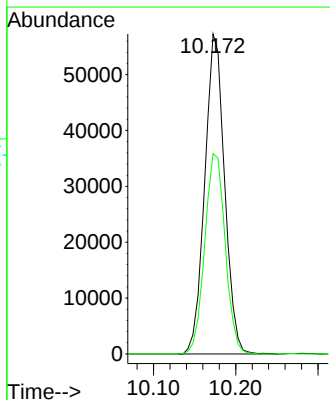
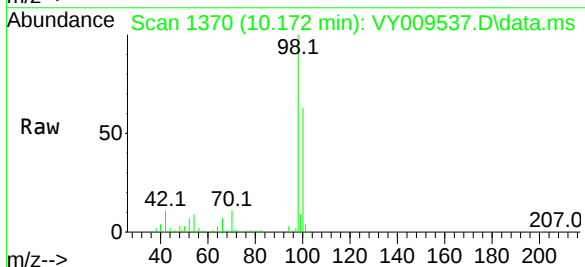
Instrument :
MSVOA_Y
ClientSampleId :
20220509-COMPOSITE-D

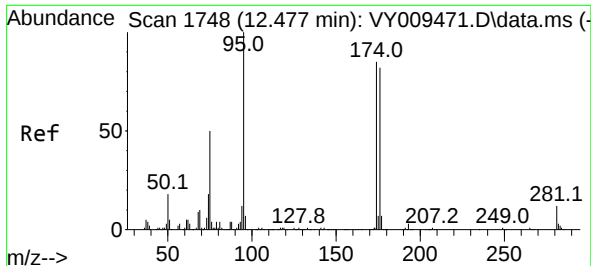
Tgt Ion:117 Resp: 9342
Ion Ratio Lower Upper
117 100
119 6.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 41.605 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. -0.001 min
Lab File: VY009537.D
Acq: 12 Jul 2022 17:05

Tgt Ion: 98 Resp: 95979
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2

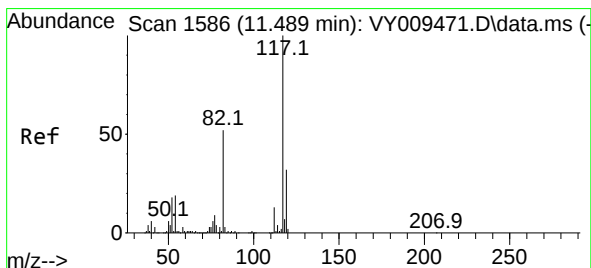
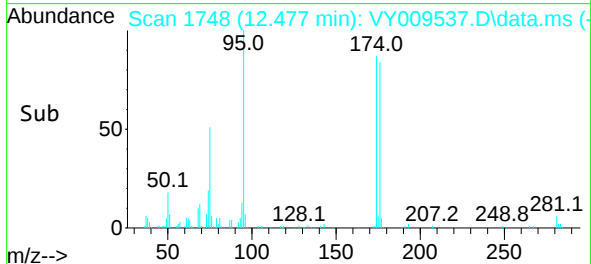
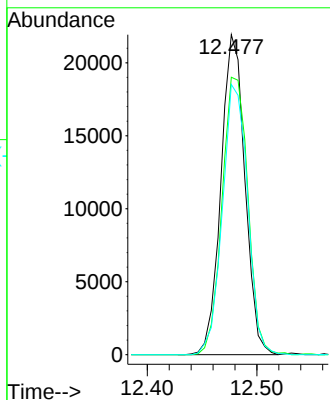
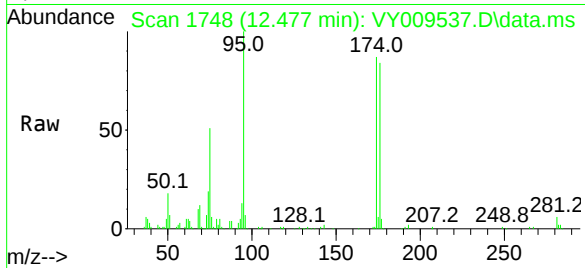




#62
4-Bromofluorobenzene
Concen: 28.895 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009537.D
Acq: 12 Jul 2022 17:05

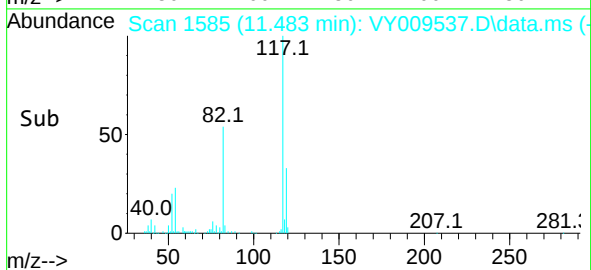
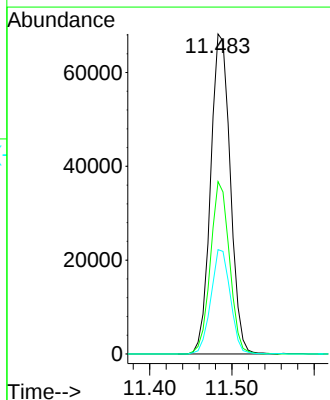
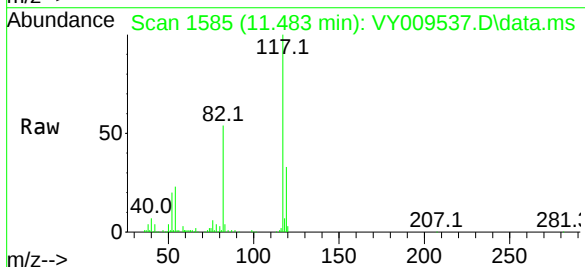
Instrument :
MSVOA_Y
ClientSampleId :
20220509-COMPOSITE-D

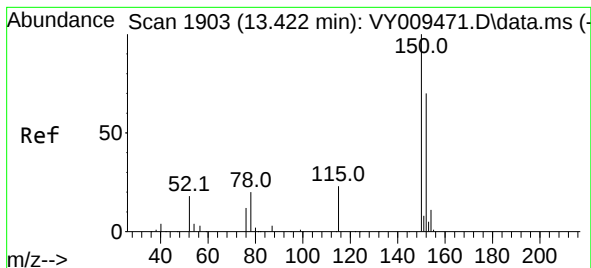
Tgt Ion: 95 Resp: 33229
Ion Ratio Lower Upper
95 100
174 93.4 0.0 177.0
176 89.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY009537.D
Acq: 12 Jul 2022 17:05

Tgt Ion: 117 Resp: 113146
Ion Ratio Lower Upper
117 100
82 53.9 43.0 64.4
119 32.6 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY009537.D

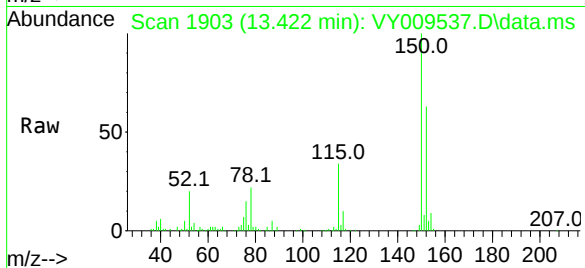
Acq: 12 Jul 2022 17:05

Instrument :

MSVOA_Y

ClientSampleId :

20220509-COMPOSITE-D



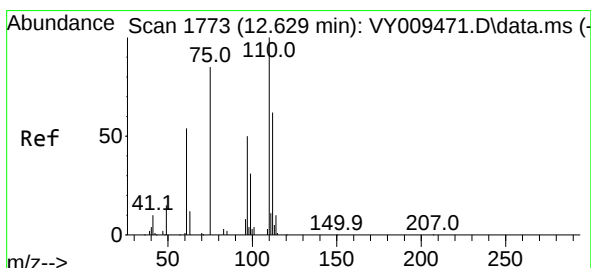
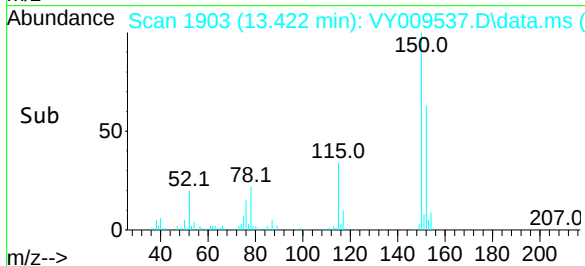
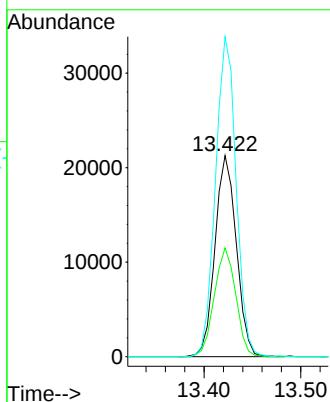
Tgt Ion:152 Resp: 32577

Ion Ratio Lower Upper

152 100

115 54.2 28.2 84.7

150 153.6 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 51.236 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY009537.D

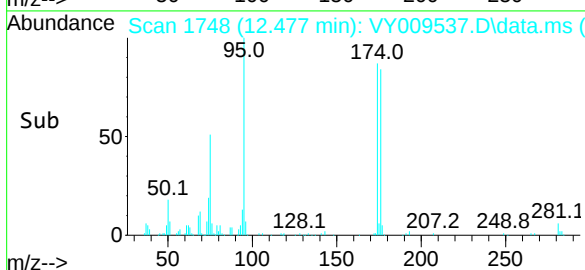
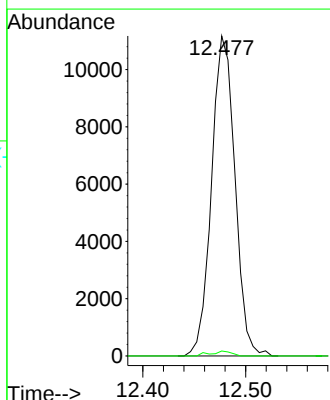
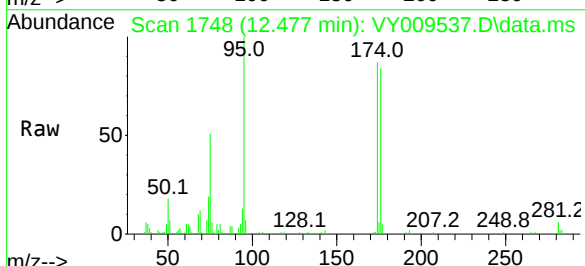
Acq: 12 Jul 2022 17:05

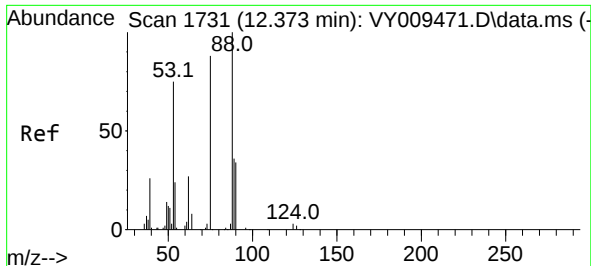
Tgt Ion: 75 Resp: 17669

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

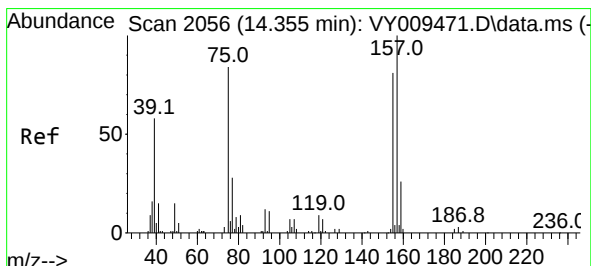
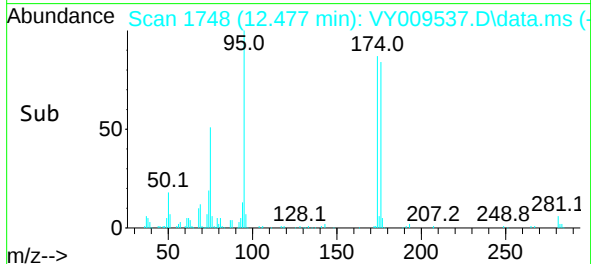
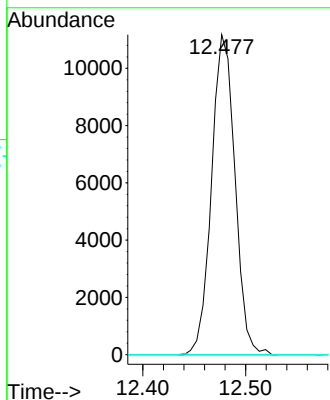
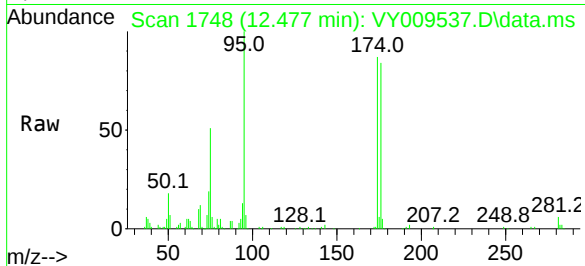




#81
trans-1,4-Dichloro-2-butene
Concen: 104.862 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY009537.D
Acq: 12 Jul 2022 17:05

Instrument :
MSVOA_Y
ClientSampleId :
20220509-COMPOSITE-D

Tgt Ion: 75 Resp: 17669
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.542 ug/l
RT: 14.391 min Scan# 2062
Delta R.T. 0.036 min
Lab File: VY009537.D
Acq: 12 Jul 2022 17:05

Tgt Ion: 75 Resp: 1528
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 0.0 47.8 143.3#

