

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071222\
 Data File : VY009540.D
 Acq On : 12 Jul 2022 18:13
 Operator : KP/MD
 Sample : N3662-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220495A-SIM/C1A-COMPOSITE

Quant Time: Jul 13 01:16:35 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)

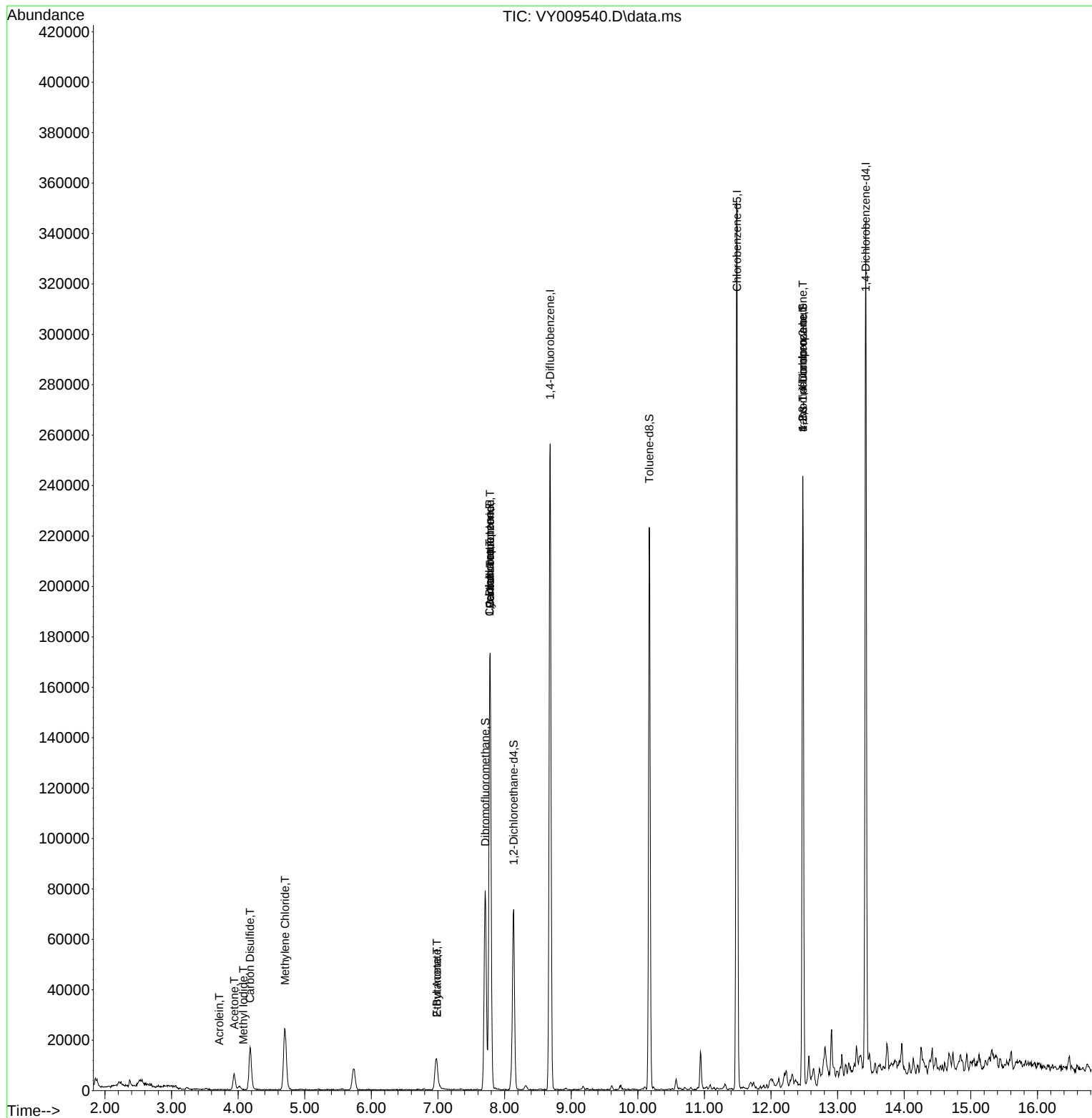
Internal Standards						
1) Pentafluorobenzene	7.783	168	140048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	220121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	190996	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	85604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	50644	51.535	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.060%	
35) Dibromofluoromethane	7.710	113	55041	47.522	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.040%	
50) Toluene-d8	10.173	98	141575	43.533	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 87.060%	
62) 4-Bromofluorobenzene	12.477	95	67961	41.569	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 83.140%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.076	142	53	4.191	ug/l #	35
11) Tert butyl alcohol	4.948	59	241	Below Cal	#	77
13) Acrolein	3.716	56	105	31.071	ug/l #	66
16) Acetone	3.942	43	10161	29.825	ug/l	97
17) Carbon Disulfide	4.180	76	32175	12.125	ug/l	97
20) Methylene Chloride	4.704	84	17862	7.010	ug/l #	80
25) 2-Butanone	6.984	43	4199	7.619	ug/l	93
31) Cyclohexane	7.777	56	3059	1.331	ug/l #	19
36) 1,1-Dichloropropene	7.777	75	9983	5.294	ug/l #	50
37) Ethyl Acetate	6.984	43	4199	3.553	ug/l #	85
38) Carbon Tetrachloride	7.783	117	13004	6.448	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	37133	40.977	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	37133	83.866	ug/l #	8

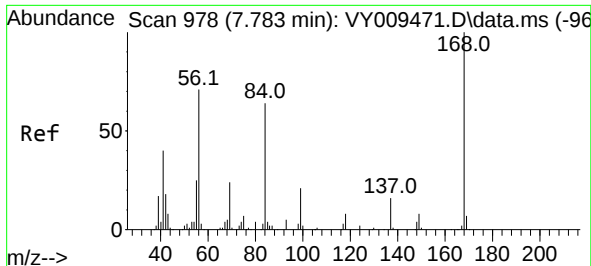
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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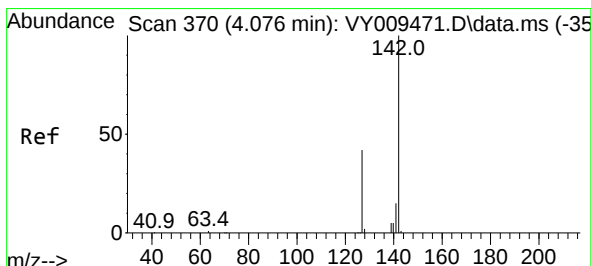
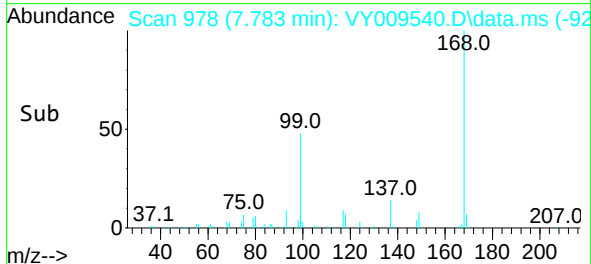
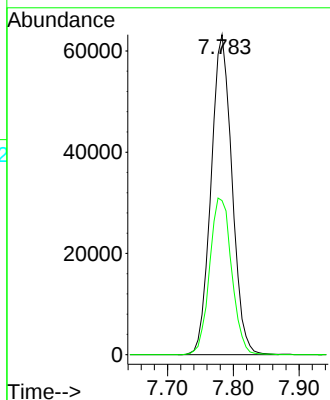
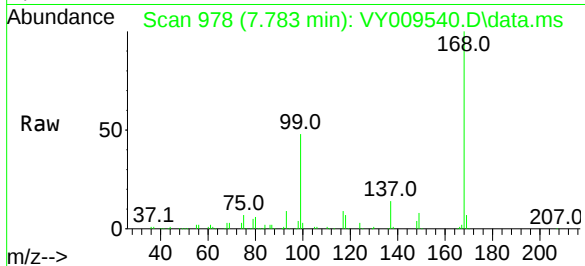




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009540.D
Acq: 12 Jul 2022 18:13

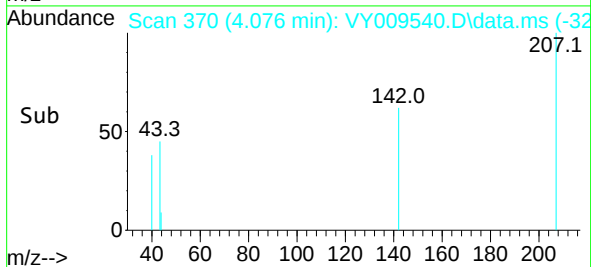
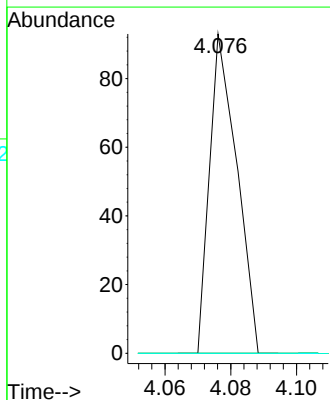
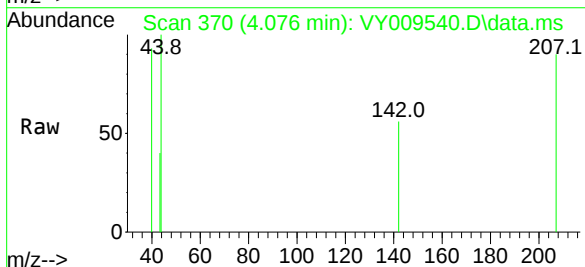
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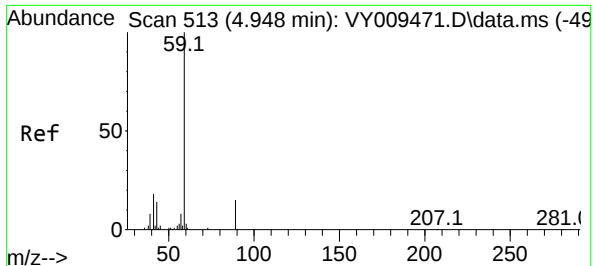
Tgt Ion:168 Resp: 140048
Ion Ratio Lower Upper
168 100
99 48.1 46.9 70.3



#10
Methyl Iodide
Concen: 4.191 ug/l
RT: 4.076 min Scan# 370
Delta R.T. 0.000 min
Lab File: VY009540.D
Acq: 12 Jul 2022 18:13

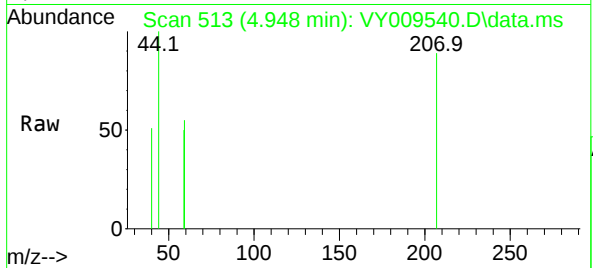
Tgt Ion:142 Resp: 53
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#



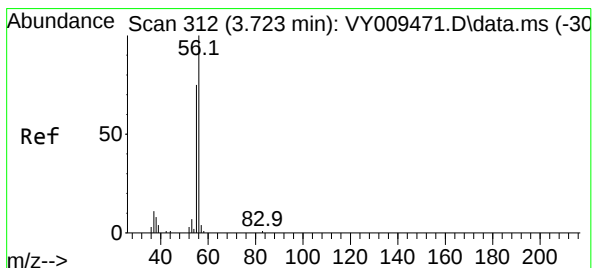
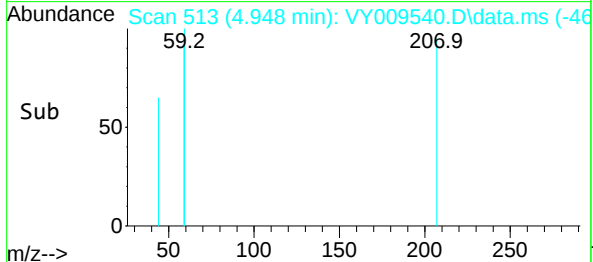
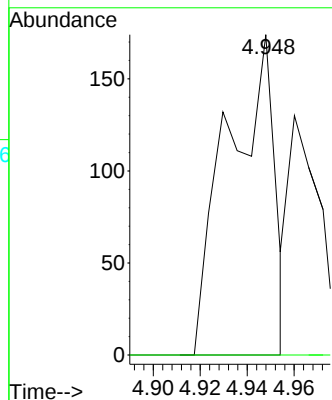


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY009540.D
Acq: 12 Jul 2022 18:13

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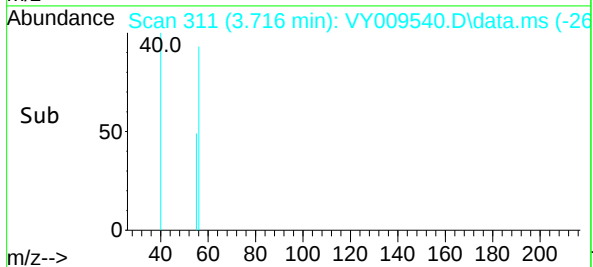
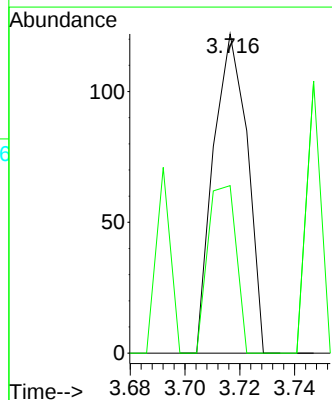
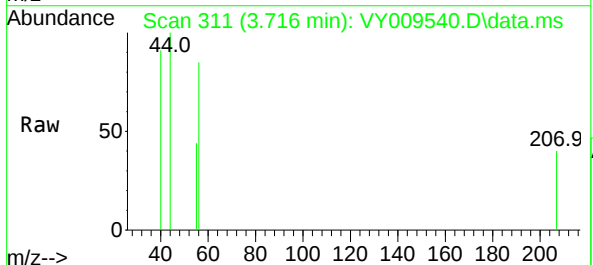


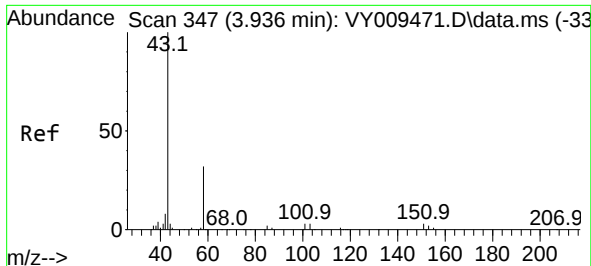
Tgt Ion: 59 Resp: 241
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#13
Acrolein
Concen: 31.071 ug/l
RT: 3.716 min Scan# 311
Delta R.T. -0.007 min
Lab File: VY009540.D
Acq: 12 Jul 2022 18:13

Tgt Ion: 56 Resp: 105
Ion Ratio Lower Upper
56 100
55 43.8 57.6 86.4#

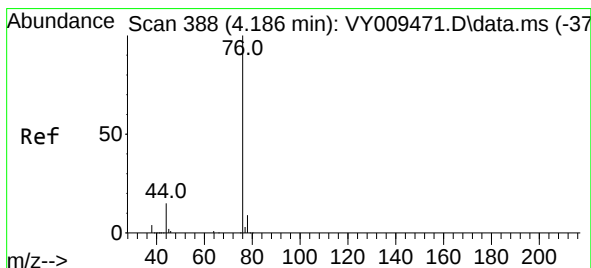
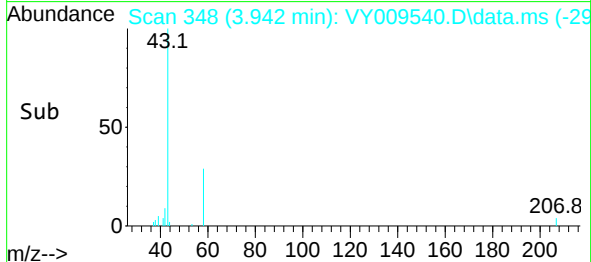
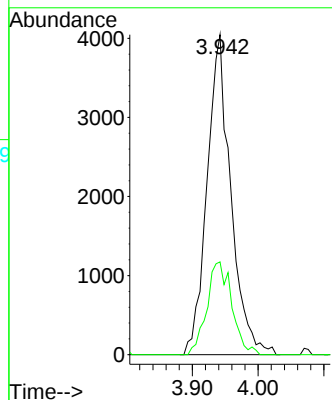
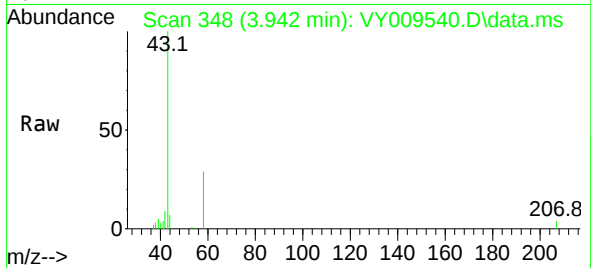




#16
Acetone
Concen: 29.825 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY009540.D
Acq: 12 Jul 2022 18:13

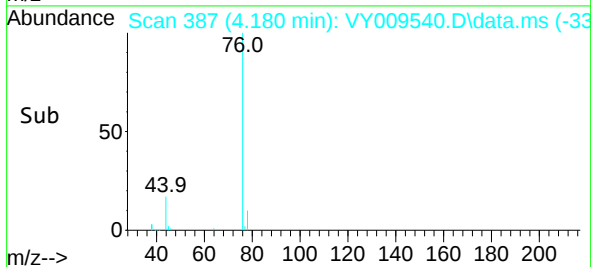
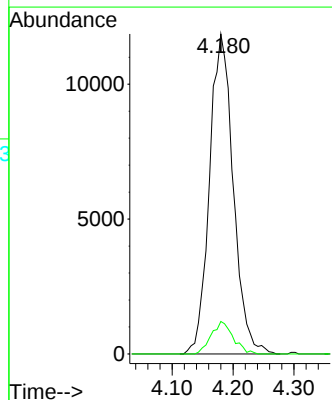
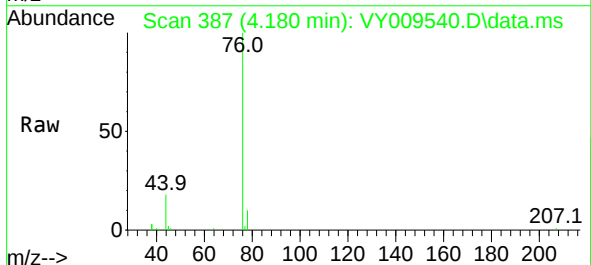
Instrument :
MSVOA_Y
ClientSampleId :
20220495A-SIM/C1A-COMPOSITE

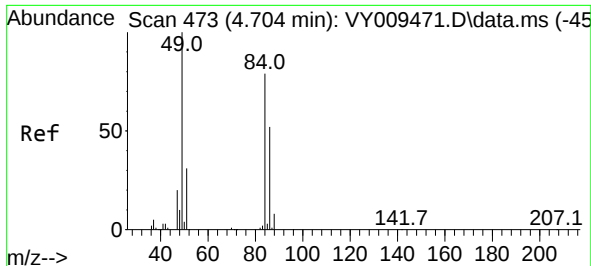
Tgt Ion: 43 Resp: 10161
Ion Ratio Lower Upper
43 100
58 29.0 22.0 33.0



#17
Carbon Disulfide
Concen: 12.125 ug/l
RT: 4.180 min Scan# 387
Delta R.T. -0.006 min
Lab File: VY009540.D
Acq: 12 Jul 2022 18:13

Tgt Ion: 76 Resp: 32175
Ion Ratio Lower Upper
76 100
78 10.2 7.4 11.0

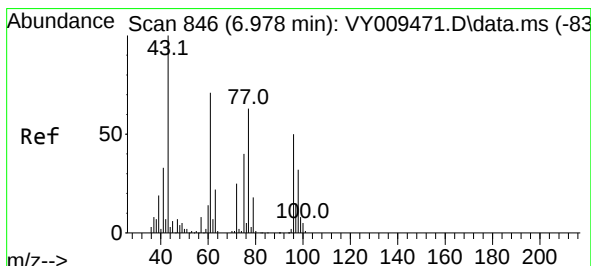
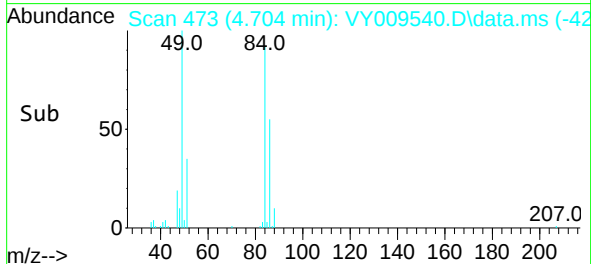
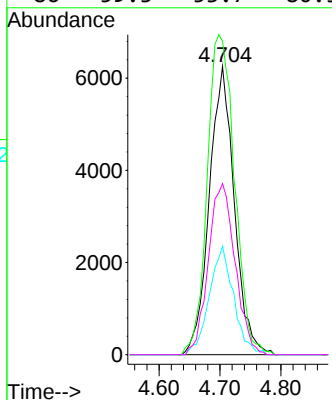
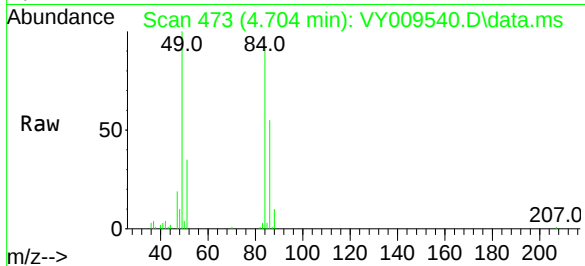




#20
Methylene Chloride
Concen: 7.010 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY009540.D
Acq: 12 Jul 2022 18:13

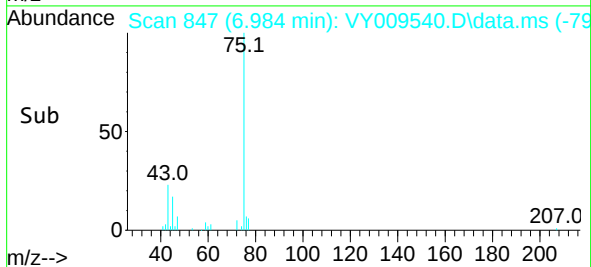
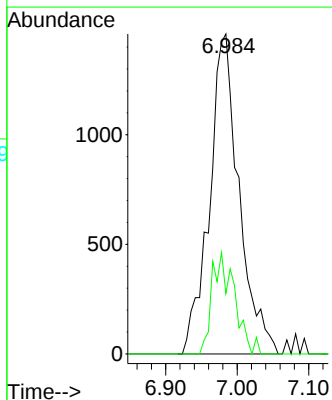
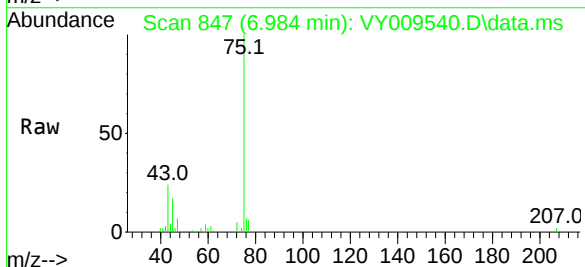
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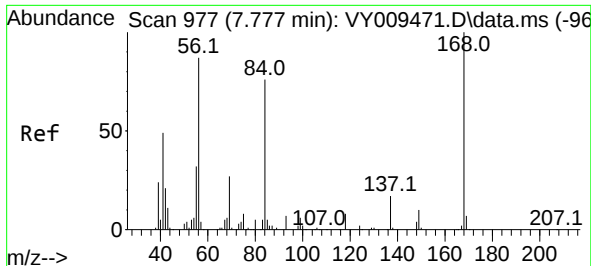
Tgt Ion:	84	Resp:	17862
Ion	Ratio	Lower	Upper
84	100		
49	108.8	114.4	171.6#
51	37.7	35.3	52.9
86	59.3	53.7	80.5



#25
2-Butanone
Concen: 7.619 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY009540.D
Acq: 12 Jul 2022 18:13

Tgt Ion:	43	Resp:	4199
Ion	Ratio	Lower	Upper
43	100		
72	18.9	17.7	26.5

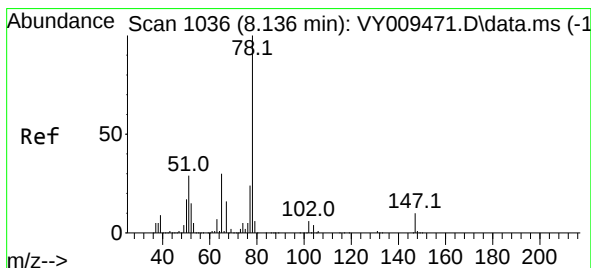
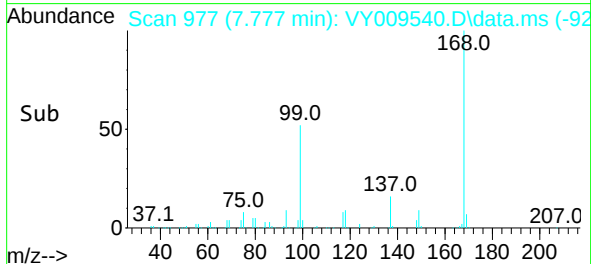
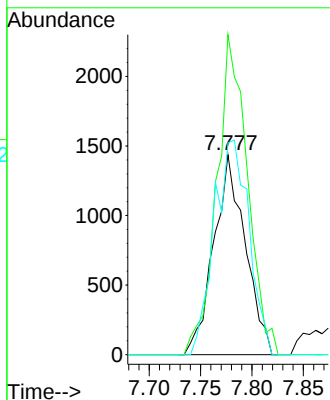
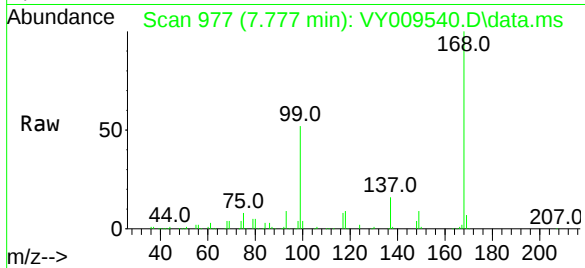




#31
Cyclohexane
Concen: 1.331 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009540.D
Acq: 12 Jul 2022 18:13

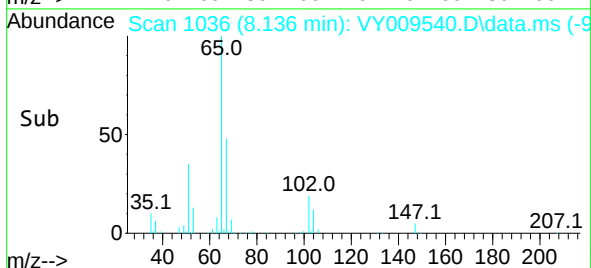
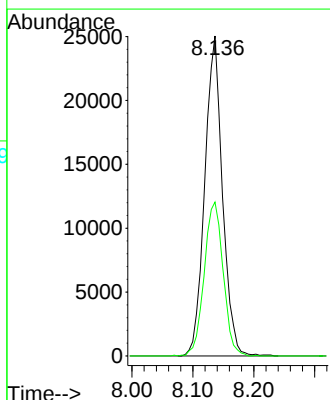
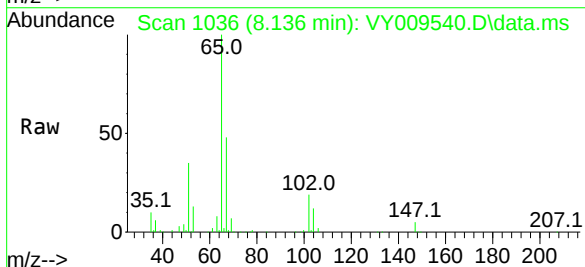
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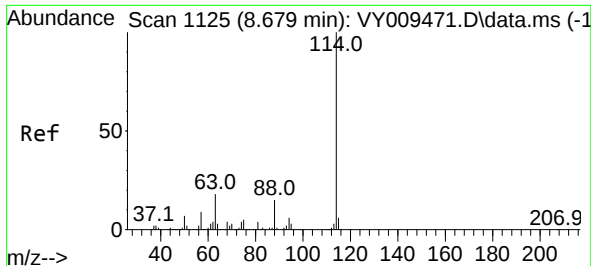
Tgt Ion: 56 Resp: 3059
Ion Ratio Lower Upper
56 100
69 160.2 26.7 40.1#
84 106.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 51.535 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009540.D
Acq: 12 Jul 2022 18:13

Tgt Ion: 65 Resp: 50644
Ion Ratio Lower Upper
65 100
67 51.4 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VY009540.D

Acq: 12 Jul 2022 18:13

Instrument :

MSVOA_Y

ClientSampleId :

20220495A-SIM/C1A-COMPOSITE

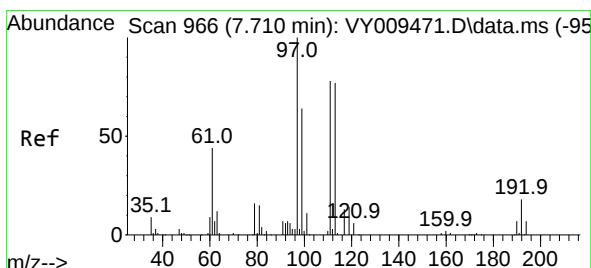
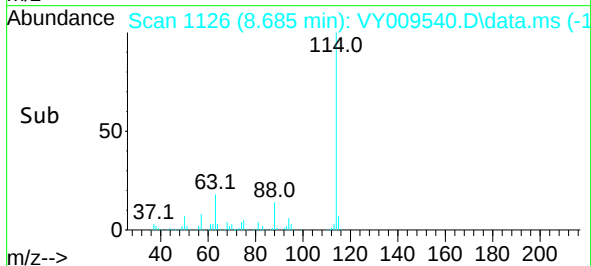
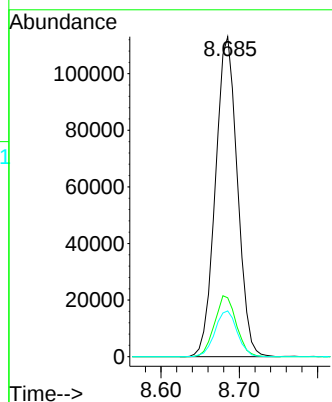
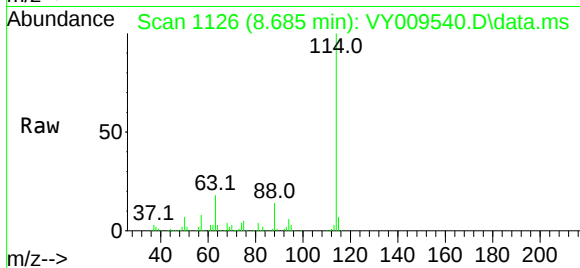
Tgt Ion:114 Resp: 220121

Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.2

88 14.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.522 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009540.D

Acq: 12 Jul 2022 18:13

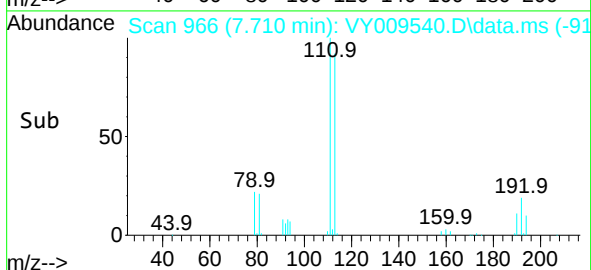
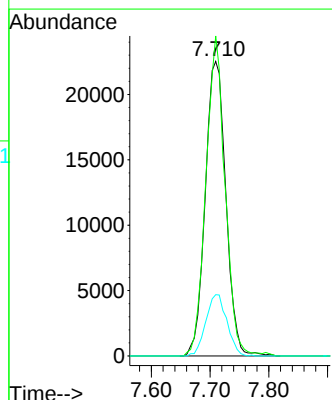
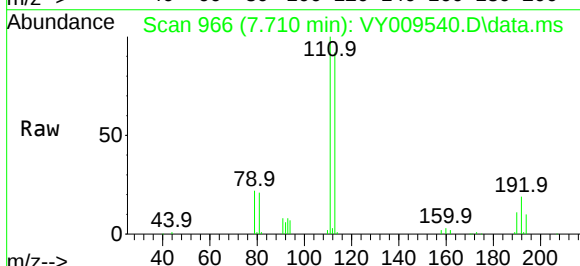
Tgt Ion:113 Resp: 55041

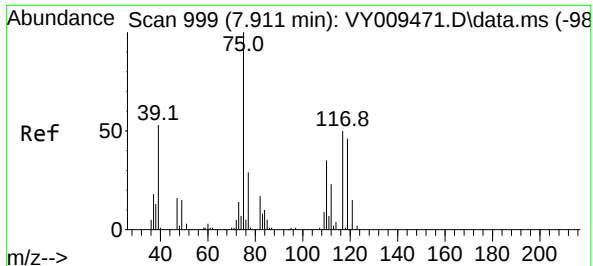
Ion Ratio Lower Upper

113 100

111 101.2 82.6 124.0

192 21.3 17.6 26.4

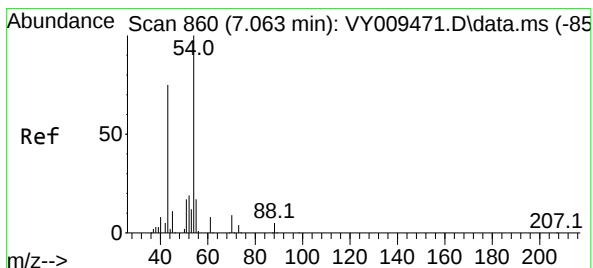
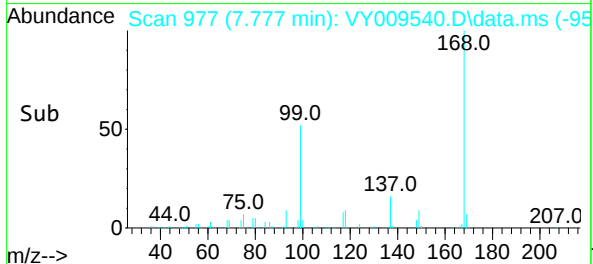
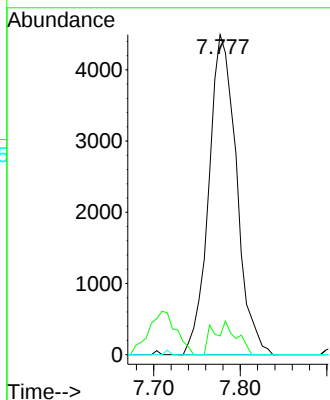
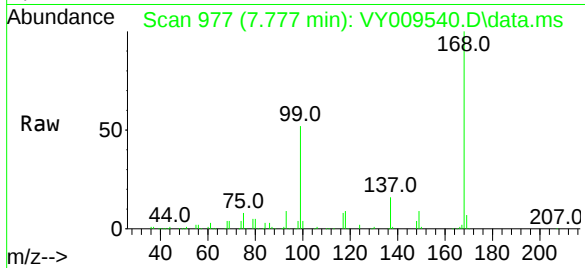




#36
1,1-Dichloropropene
Concen: 5.294 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY009540.D
Acq: 12 Jul 2022 18:13

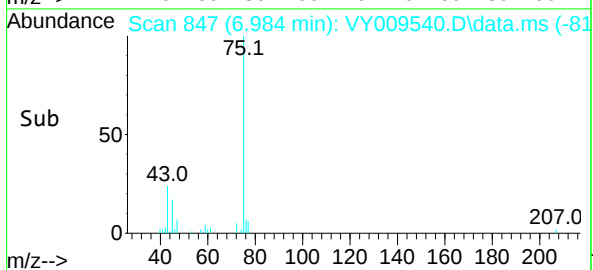
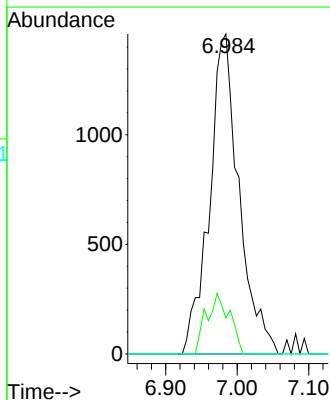
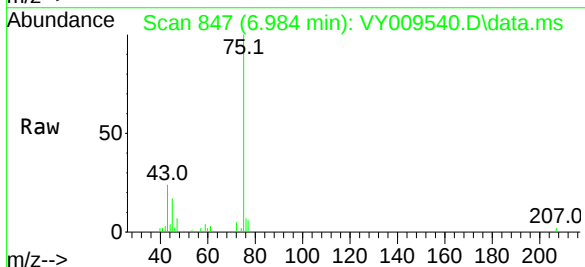
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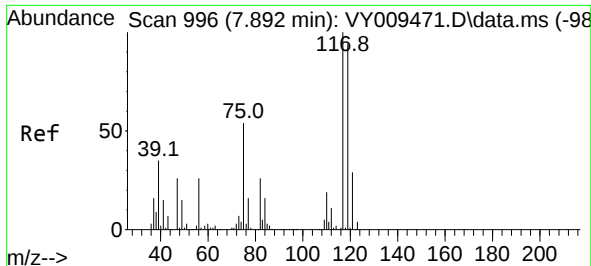
Tgt Ion: 75 Resp: 9983
Ion Ratio Lower Upper
75 100
110 8.7 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 3.553 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.079 min
Lab File: VY009540.D
Acq: 12 Jul 2022 18:13

Tgt Ion: 43 Resp: 4199
Ion Ratio Lower Upper
43 100
61 14.8 9.7 14.5#
70 0.0 7.1 10.7#

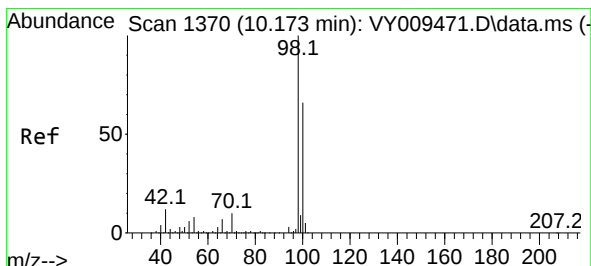
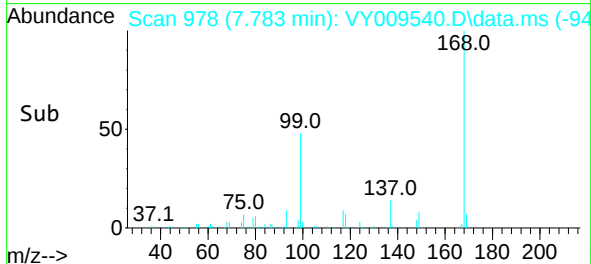
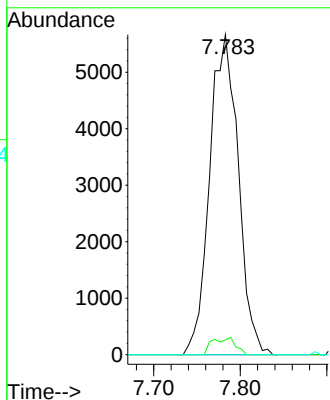
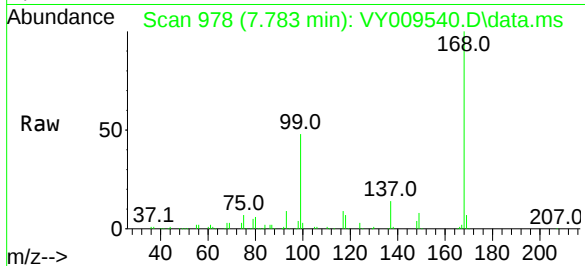




#38
Carbon Tetrachloride
Concen: 6.448 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY009540.D
Acq: 12 Jul 2022 18:13

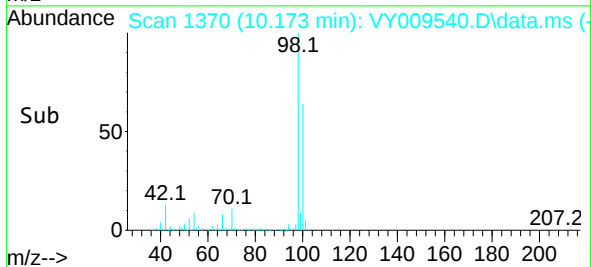
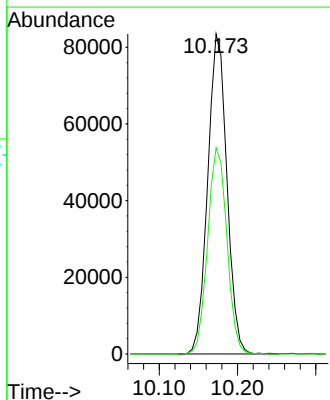
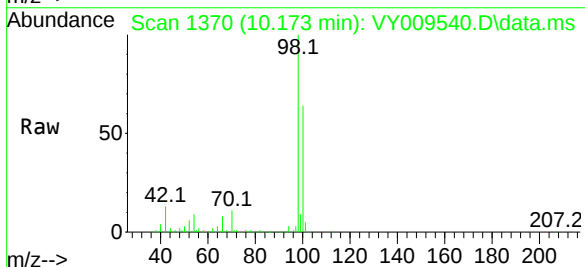
Instrument : MSVOA_Y
ClientSampleId : 20220495A-SIM/C1A-COMPOSITE

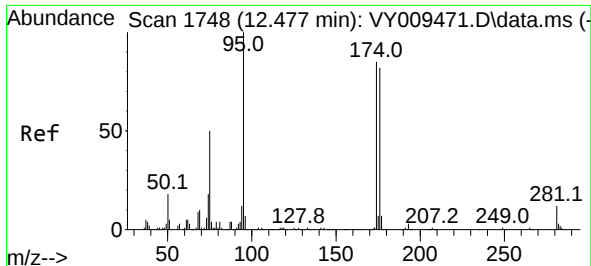
Tgt Ion:117 Resp: 13004
Ion Ratio Lower Upper
117 100
119 4.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 43.533 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009540.D
Acq: 12 Jul 2022 18:13

Tgt Ion: 98 Resp: 141575
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2

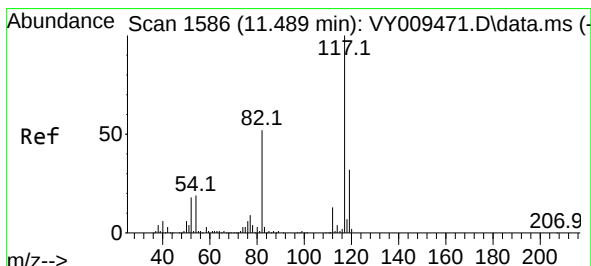
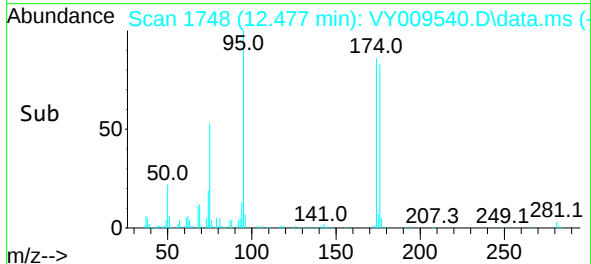
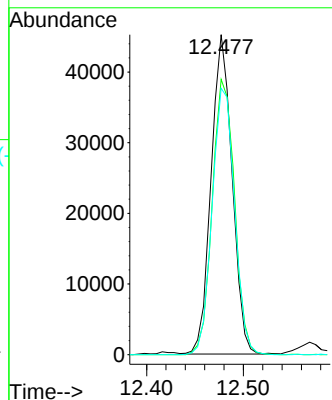
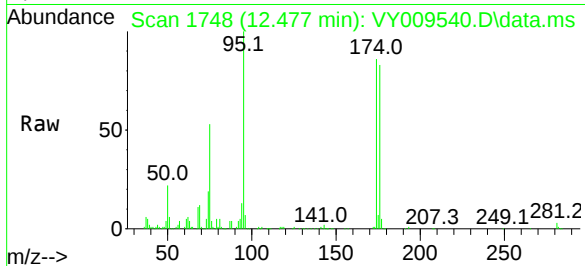




#62
4-Bromofluorobenzene
Concen: 41.569 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009540.D
Acq: 12 Jul 2022 18:13

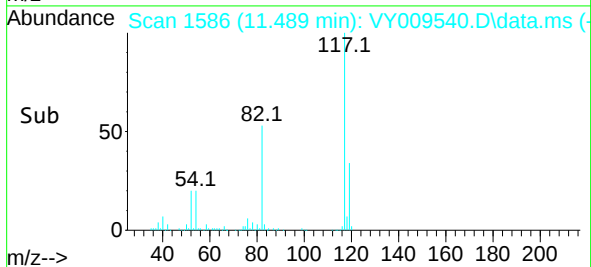
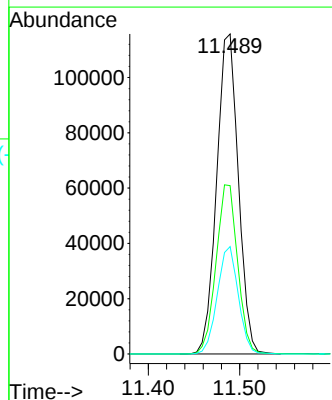
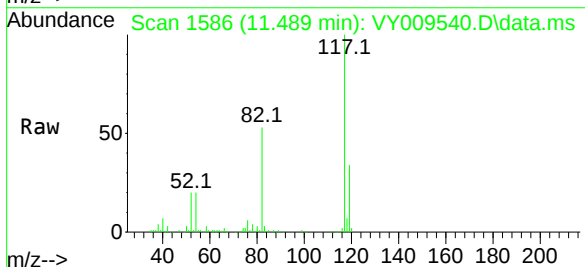
Instrument :
MSVOA_Y
ClientSampleId :
20220495A-SIM/C1A-COMPOSITE

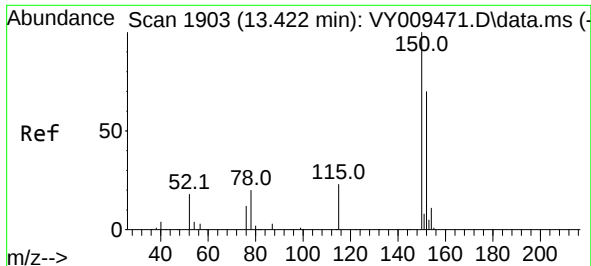
Tgt Ion: 95 Resp: 67961
Ion Ratio Lower Upper
95 100
174 91.3 0.0 177.0
176 88.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY009540.D
Acq: 12 Jul 2022 18:13

Tgt Ion: 117 Resp: 190996
Ion Ratio Lower Upper
117 100
82 52.6 43.0 64.4
119 33.6 25.4 38.0

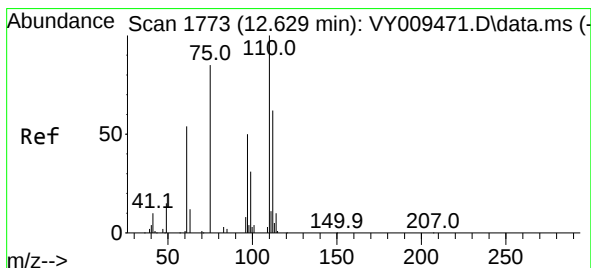
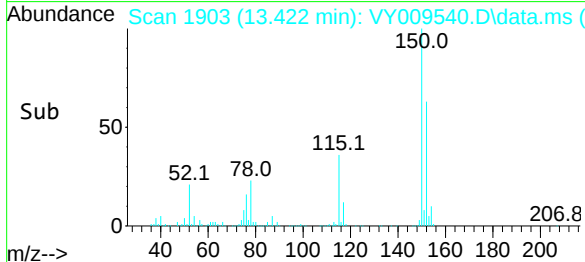
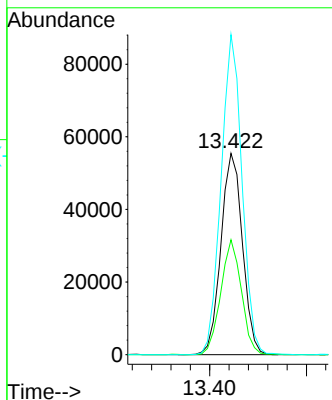
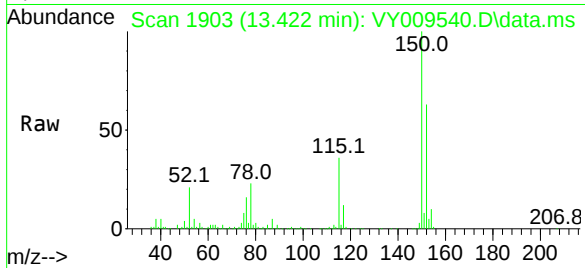




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY009540.D
 Acq: 12 Jul 2022 18:13

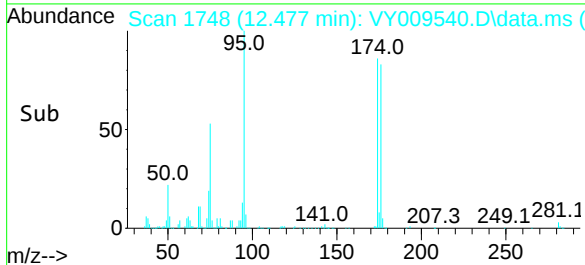
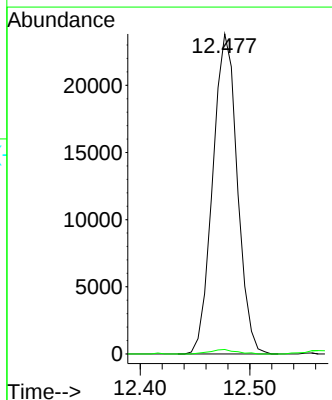
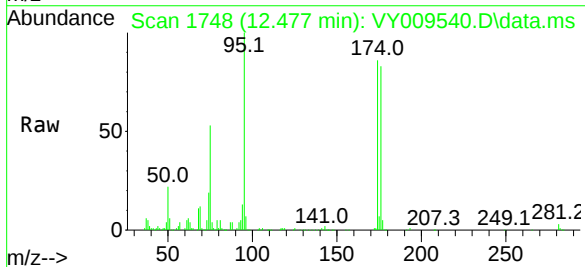
Instrument : MSVOA_Y
 ClientSampleId : 20220495A-SIM/C1A-COMPOSITE

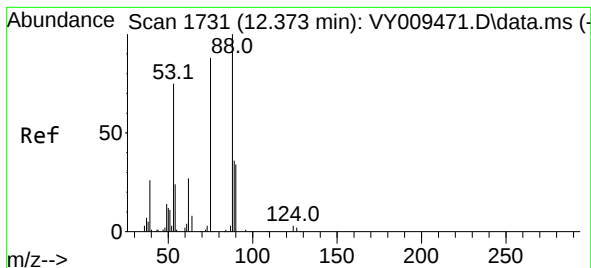
Tgt Ion:152 Resp: 85604
 Ion Ratio Lower Upper
 152 100
 115 54.7 28.2 84.7
 150 154.8 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 40.977 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY009540.D
 Acq: 12 Jul 2022 18:13

Tgt Ion: 75 Resp: 37133
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 83.866 ug/l

RT: 12.477 min Scan# 11

Delta R.T. 0.104 min

Lab File: VY009540.D

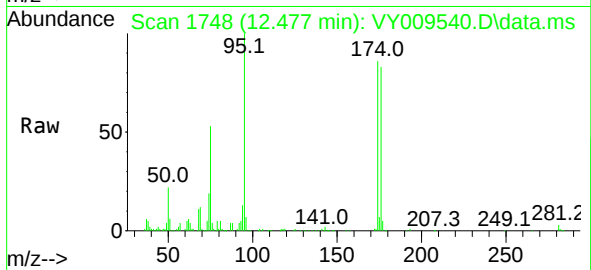
Acq: 12 Jul 2022 18:13

Instrument :

MSVOA_Y

ClientSampleId :

20220495A-SIM/C1A-COMPOSITE



Tgt Ion: 75 Resp: 37133

Ion Ratio Lower Upper

75 100

53 0.7 85.3 127.9#

89 0.0 37.0 55.4#

