

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071322\
 Data File : VY009555.D
 Acq On : 13 Jul 2022 13:43
 Operator : KP/MD
 Sample : N3597-05RE
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220510-COMPOSITE-E

Quant Time: Jul 14 02:44:08 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)

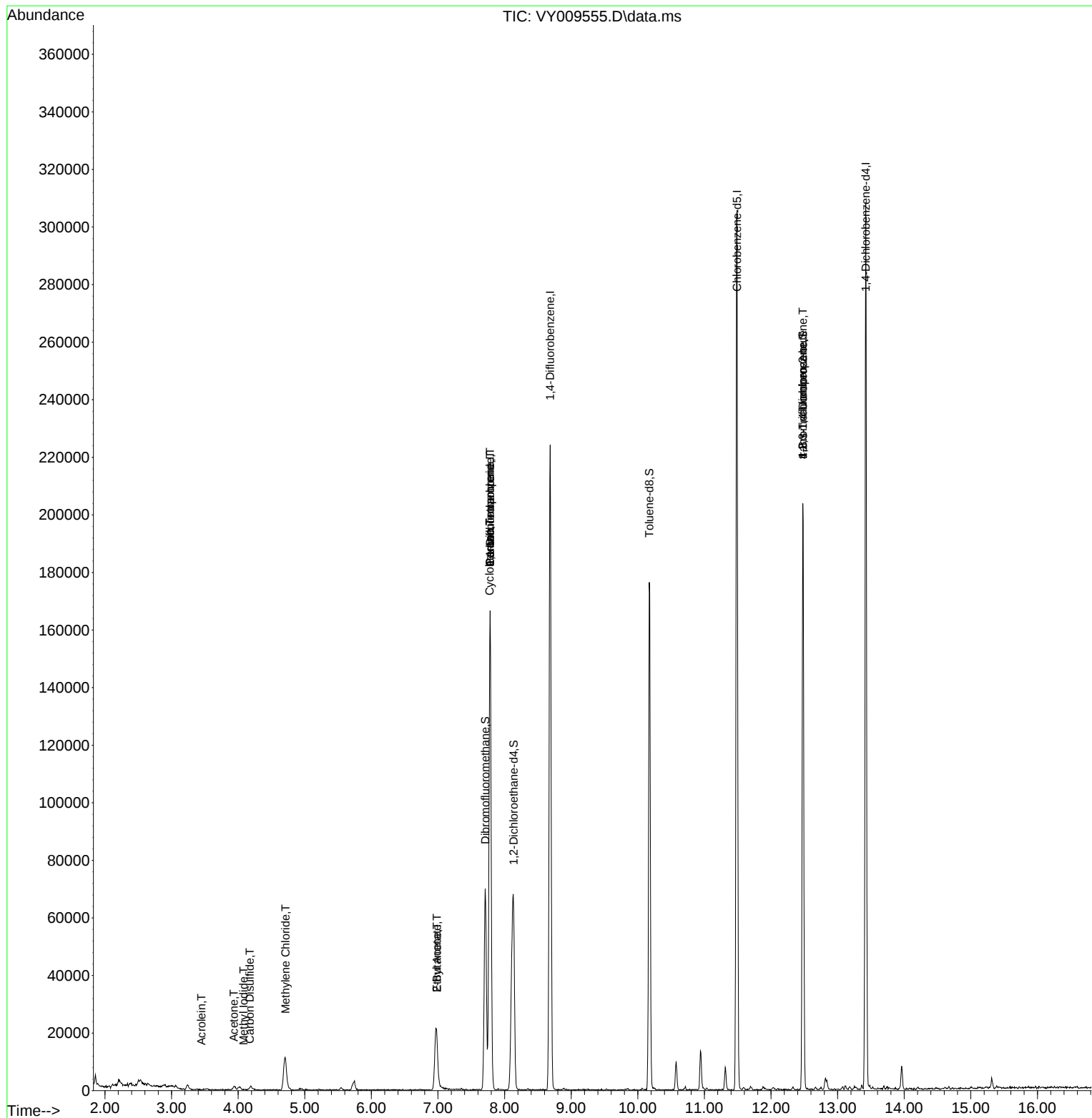
Internal Standards						
1) Pentafluorobenzene	7.783	168	135050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	201140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	175675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	79568	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	40529	41.502	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	83.000%		
35) Dibromofluoromethane	7.710	113	47871	45.232	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.460%		
50) Toluene-d8	10.173	98	120694	39.964	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	79.920%		
62) 4-Bromofluorobenzene	12.477	95	59632	39.916	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	79.840%		
Target Compounds			Qvalue			
10) Methyl Iodide	4.082	142	131	4.237	ug/l #	42
11) Tert butyl alcohol	4.924	59	297	Below Cal	#	77
13) Acrolein	3.448	56	22	30.419	ug/l #	14
16) Acetone	3.936	43	2123	6.462	ug/l #	78
17) Carbon Disulfide	4.174	76	1088	4.692	ug/l #	75
20) Methylene Chloride	4.710	84	9102	1.243	ug/l #	71
25) 2-Butanone	6.984	43	1532	2.883	ug/l #	85
31) Cyclohexane	7.777	56	2622	1.183	ug/l #	36
36) 1,1-Dichloropropene	7.783	75	9003	5.225	ug/l #	53
37) Ethyl Acetate	6.984	43	1532	1.418	ug/l #	1
38) Carbon Tetrachloride	7.783	117	12549	6.810	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	29521	35.049	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	29521	71.732	ug/l #	7

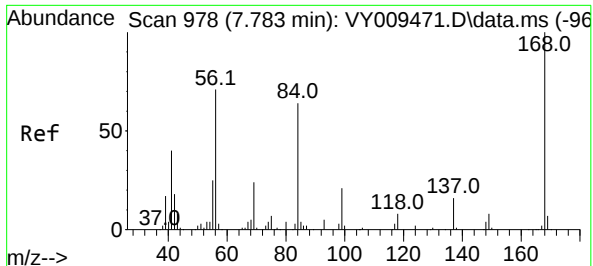
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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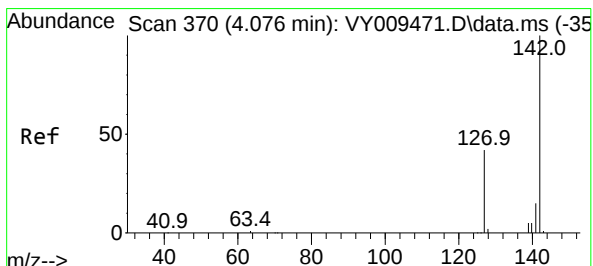
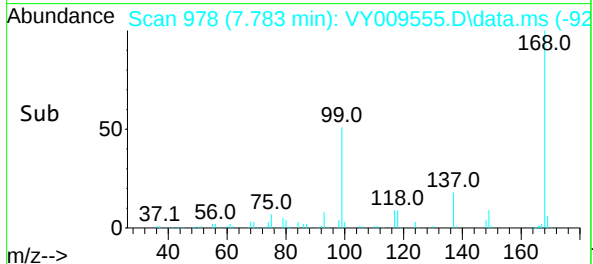
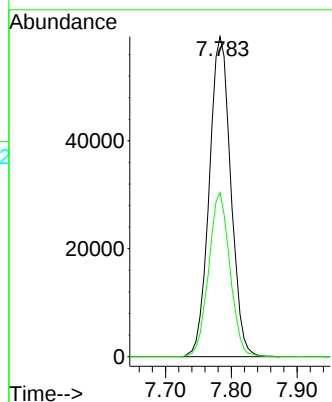
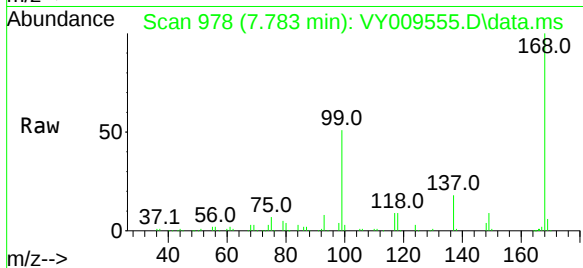




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009555.D
Acq: 13 Jul 2022 13:43

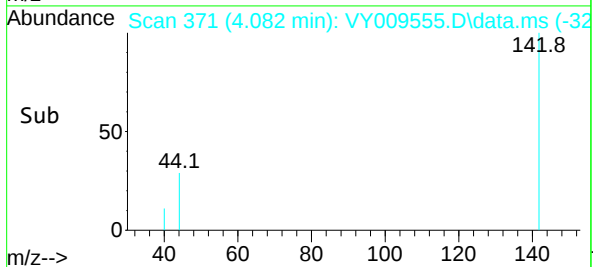
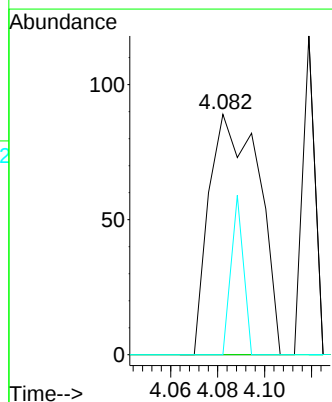
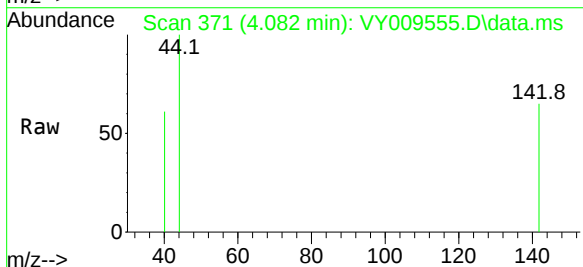
Instrument :
MSVOA_Y
ClientSampleId :
20220510-COMPOSITE-E

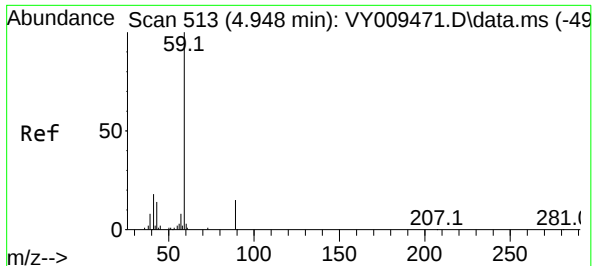
Tgt Ion:168 Resp: 135050
Ion Ratio Lower Upper
168 100
99 51.3 46.9 70.3



#10
Methyl Iodide
Concen: 4.237 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.006 min
Lab File: VY009555.D
Acq: 13 Jul 2022 13:43

Tgt Ion:142 Resp: 131
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 16.8 11.9 17.9





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.924 min Scan# 50

Delta R.T. -0.024 min

Lab File: VY009555.D

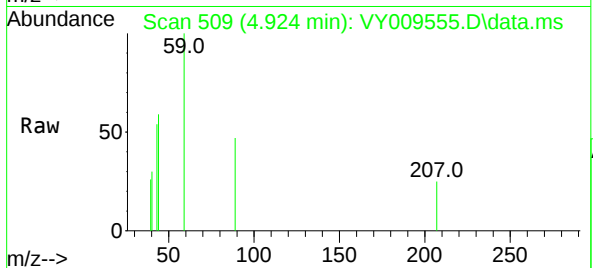
Acq: 13 Jul 2022 13:43

Instrument :

MSVOA_Y

ClientSampleId :

20220510-COMPOSITE-E

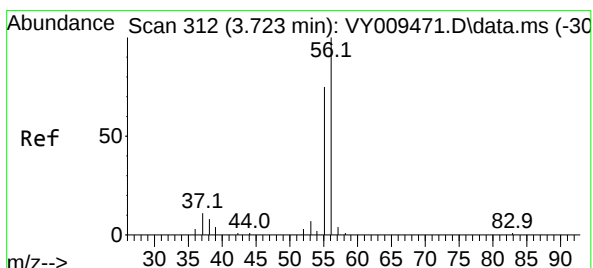
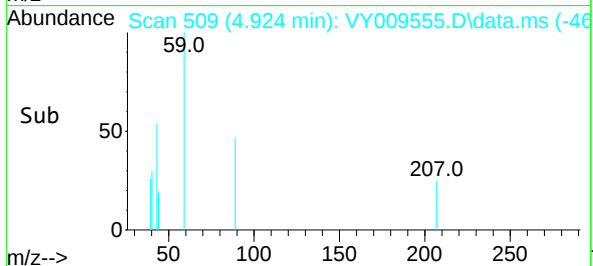
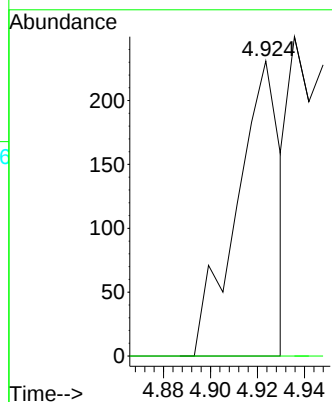


Tgt Ion: 59 Resp: 297

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#13

Acrolein

Concen: 30.419 ug/l

RT: 3.448 min Scan# 267

Delta R.T. -0.275 min

Lab File: VY009555.D

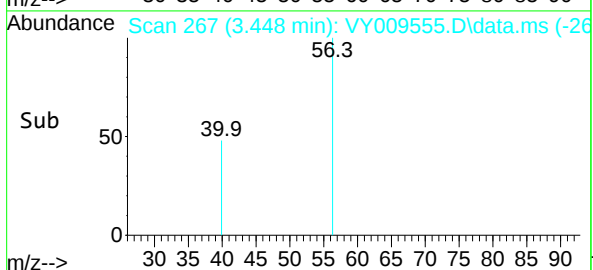
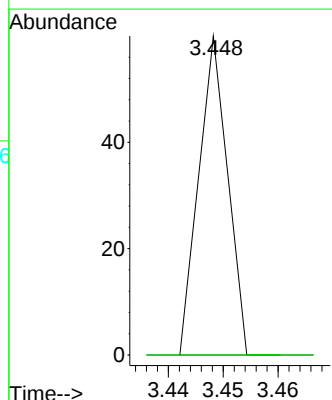
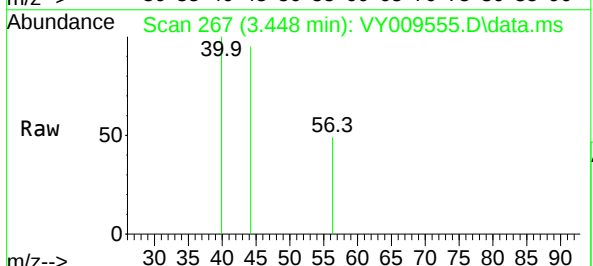
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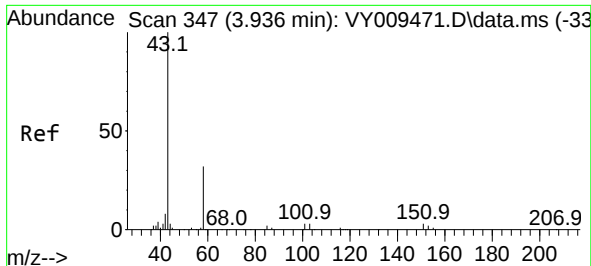
Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#

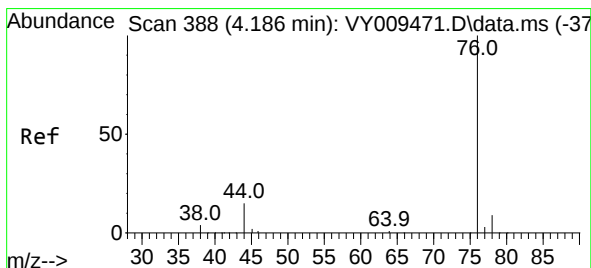
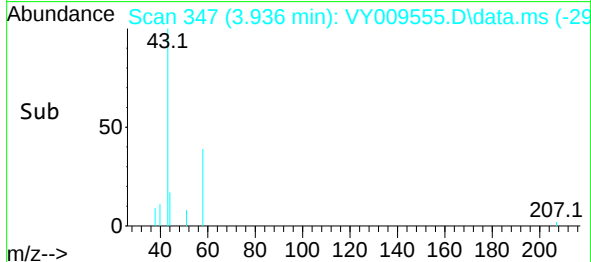
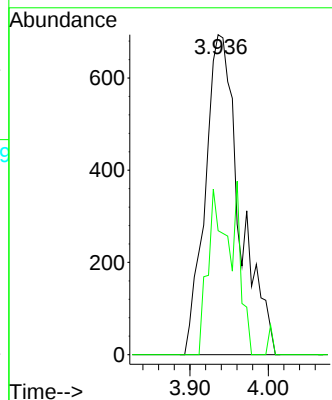
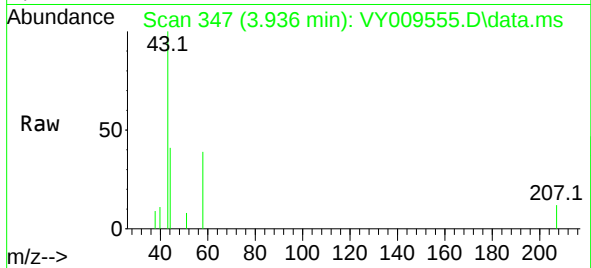




#16
Acetone
Concen: 6.462 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY009555.D
Acq: 13 Jul 2022 13:43

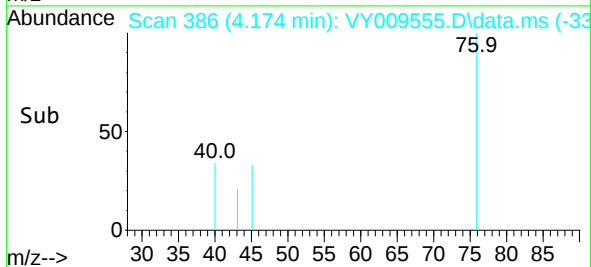
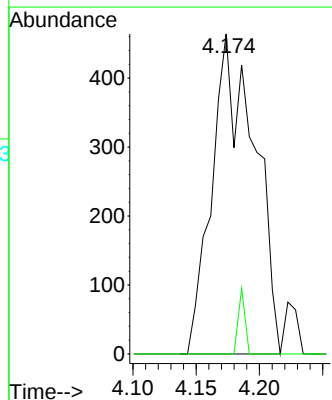
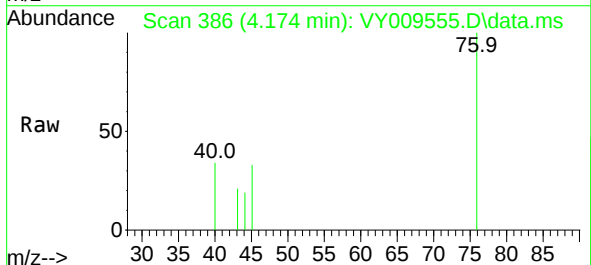
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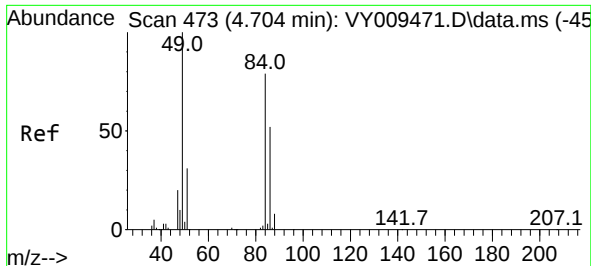
Tgt Ion: 43 Resp: 2123
Ion Ratio Lower Upper
43 100
58 38.8 22.0 33.0#



#17
Carbon Disulfide
Concen: 4.692 ug/l
RT: 4.174 min Scan# 386
Delta R.T. -0.012 min
Lab File: VY009555.D
Acq: 13 Jul 2022 13:43

Tgt Ion: 76 Resp: 1088
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

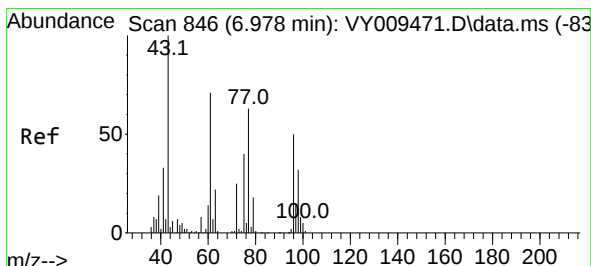
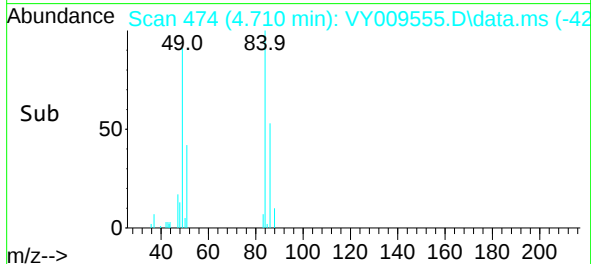
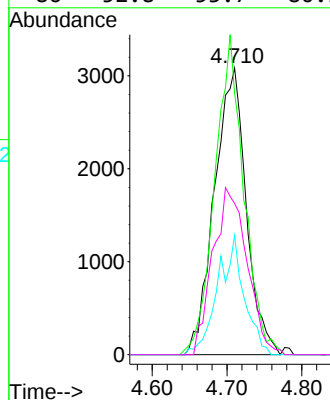
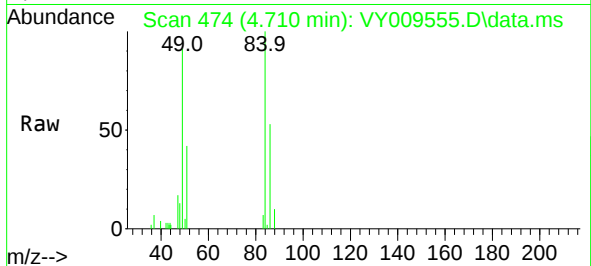




#20
Methylene Chloride
Concen: 1.243 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY009555.D
Acq: 13 Jul 2022 13:43

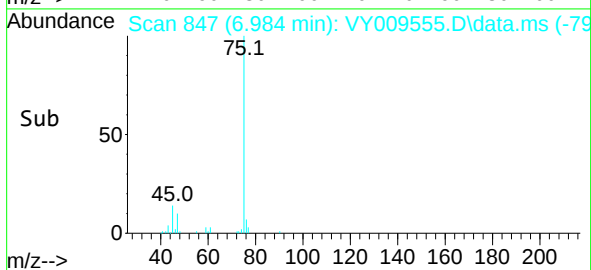
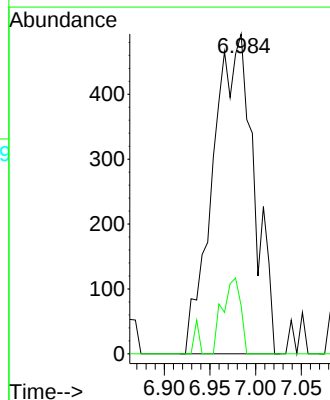
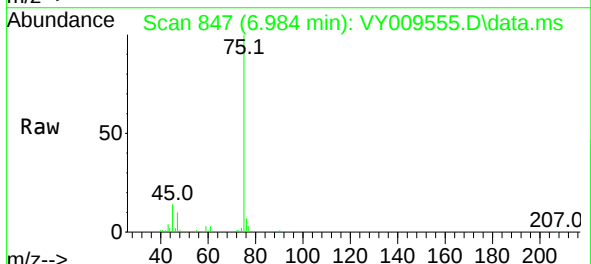
Instrument :
MSVOA_Y
ClientSampleId :
20220510-COMPOSITE-E

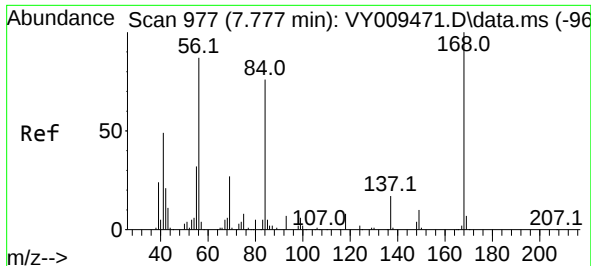
Tgt Ion: 84 Resp: 9102
Ion Ratio Lower Upper
84 100
49 91.3 114.4 171.6#
51 41.6 35.3 52.9
86 52.8 53.7 80.5#



#25
2-Butanone
Concen: 2.883 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY009555.D
Acq: 13 Jul 2022 13:43

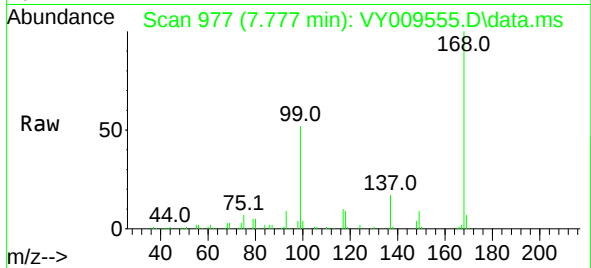
Tgt Ion: 43 Resp: 1532
Ion Ratio Lower Upper
43 100
72 15.0 17.7 26.5#



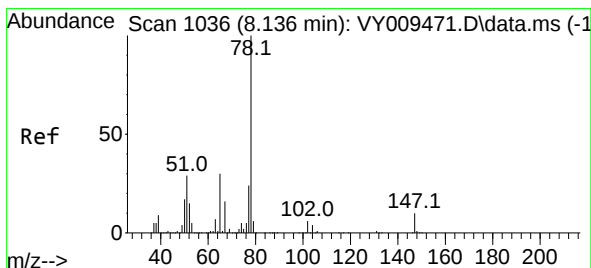
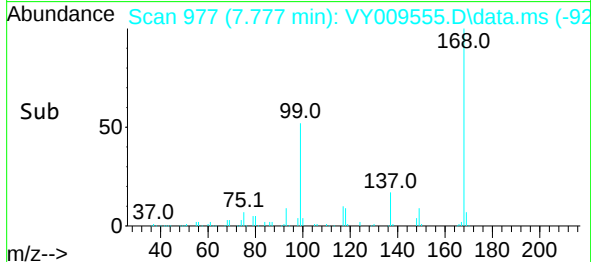
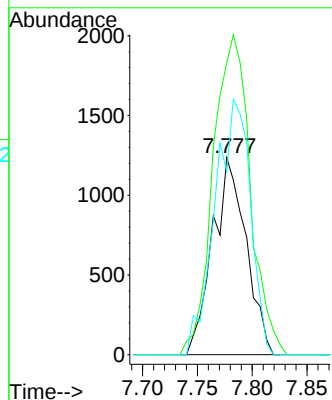


#31
Cyclohexane
Concen: 1.183 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009555.D
Acq: 13 Jul 2022 13:43

Instrument :
MSVOA_Y
ClientSampleId :
20220510-COMPOSITE-E

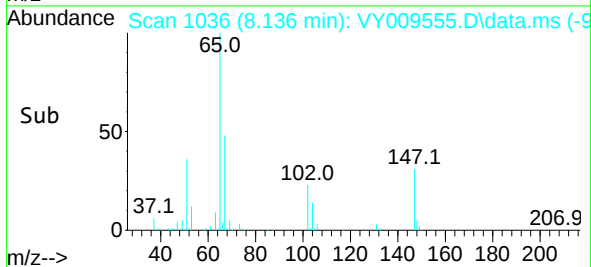
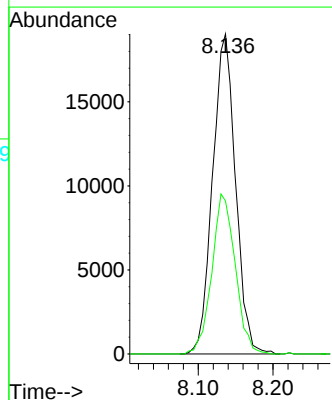
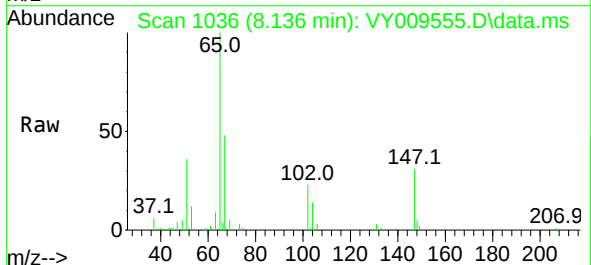


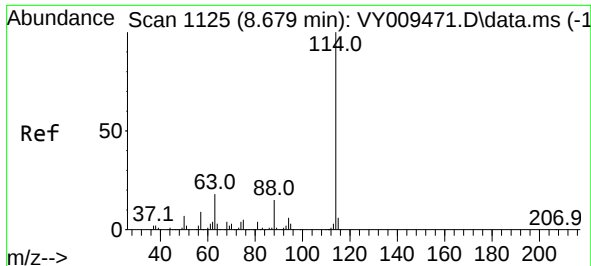
Tgt Ion: 56 Resp: 2622
Ion Ratio Lower Upper
56 100
69 148.0 26.7 40.1#
84 93.0 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 41.502 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009555.D
Acq: 13 Jul 2022 13:43

Tgt Ion: 65 Resp: 40529
Ion Ratio Lower Upper
65 100
67 51.1 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: VY009555.D

Acq: 13 Jul 2022 13:43

Instrument :

MSVOA_Y

ClientSampleId :

20220510-COMPOSITE-E

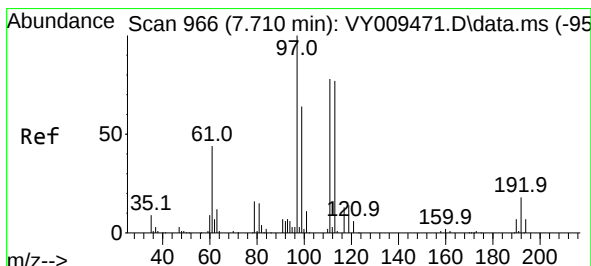
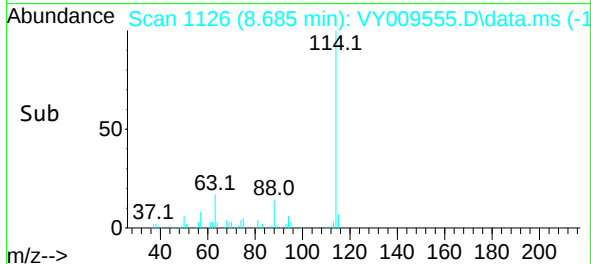
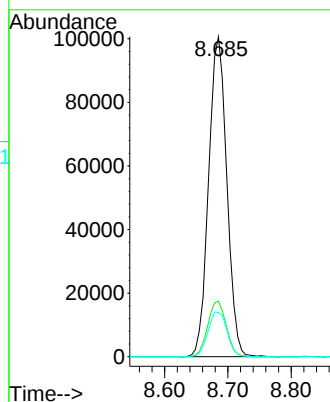
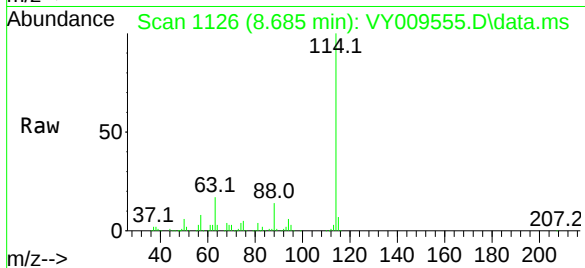
Tgt Ion:114 Resp: 201140

Ion Ratio Lower Upper

114 100

63 17.4 0.0 43.2

88 13.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 45.232 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009555.D

Acq: 13 Jul 2022 13:43

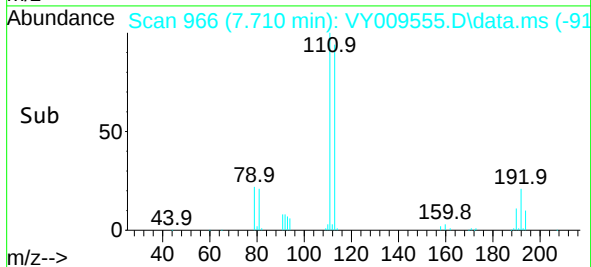
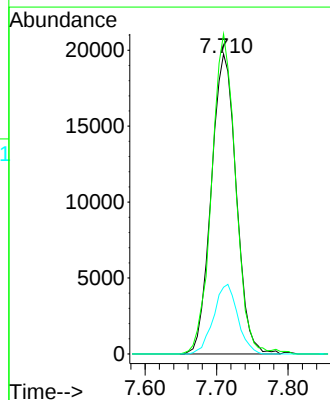
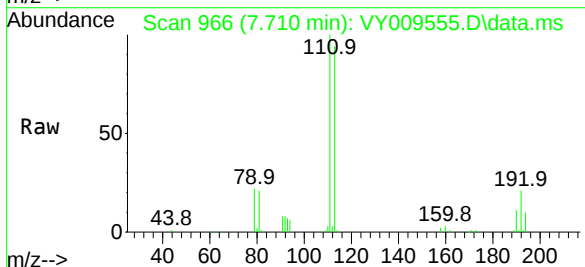
Tgt Ion:113 Resp: 47871

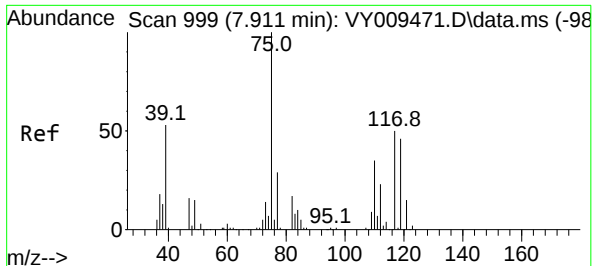
Ion Ratio Lower Upper

113 100

111 102.1 82.6 124.0

192 22.5 17.6 26.4

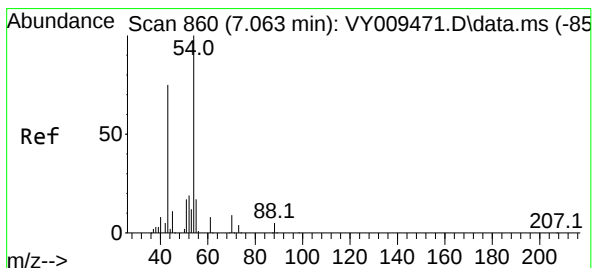
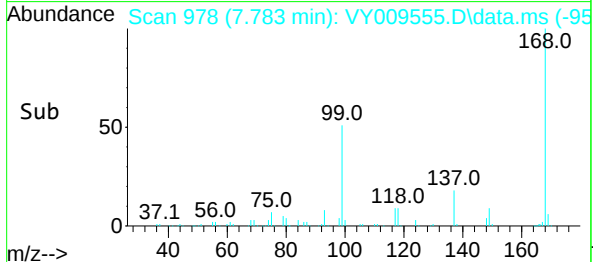
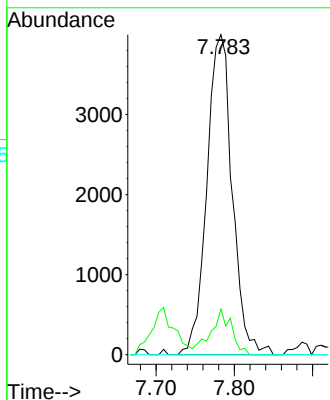
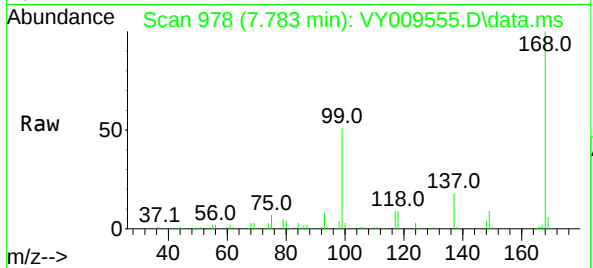




#36
1,1-Dichloropropene
Concen: 5.225 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009555.D
Acq: 13 Jul 2022 13:43

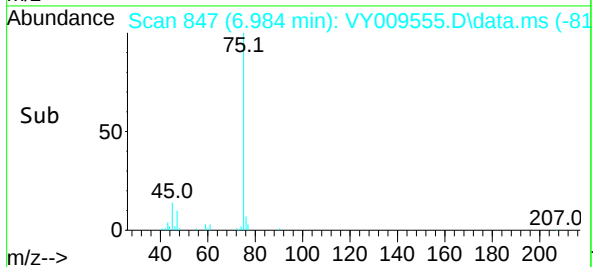
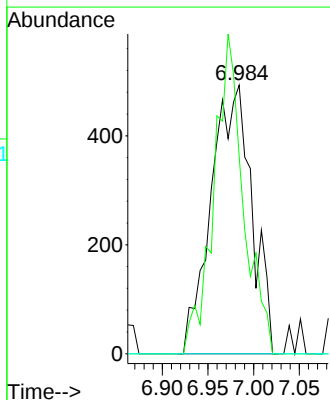
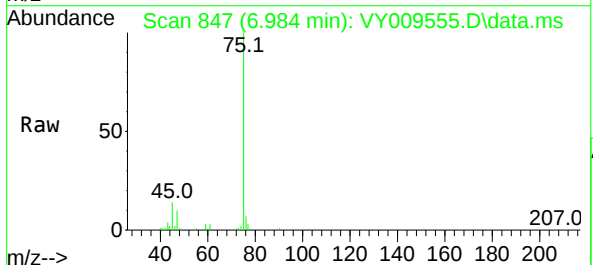
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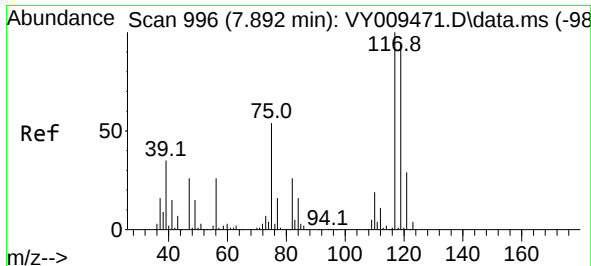
Tgt Ion: 75 Resp: 9003
Ion Ratio Lower Upper
75 100
110 11.6 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.418 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.079 min
Lab File: VY009555.D
Acq: 13 Jul 2022 13:43

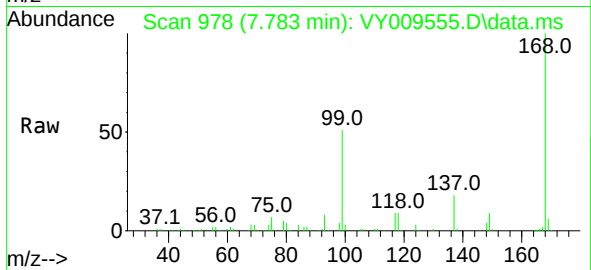
Tgt Ion: 43 Resp: 1532
Ion Ratio Lower Upper
43 100
61 86.7 9.7 14.5#
70 0.0 7.1 10.7#



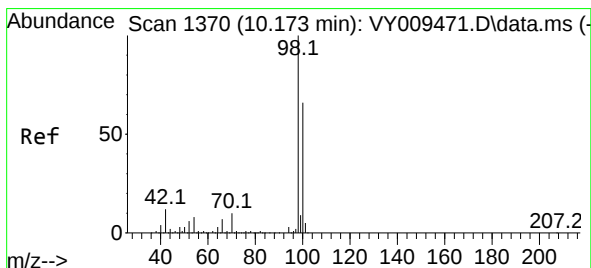
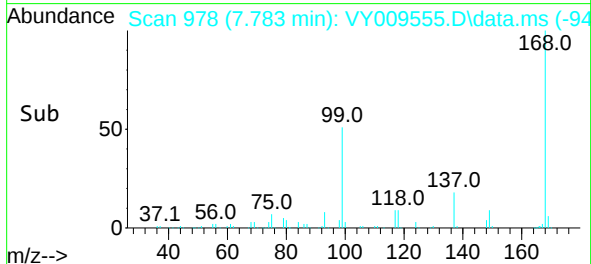
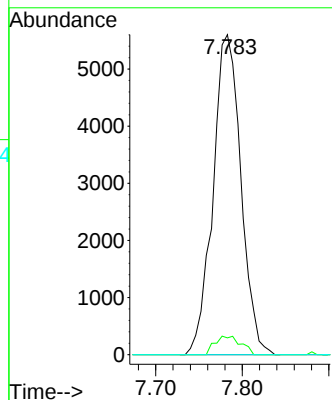


#38
Carbon Tetrachloride
Concen: 6.810 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY009555.D
Acq: 13 Jul 2022 13:43

Instrument :
MSVOA_Y
ClientSampleId :
20220510-COMPOSITE-E

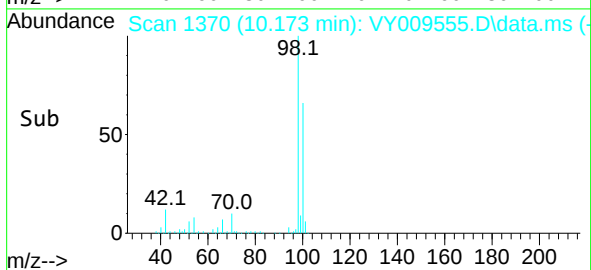
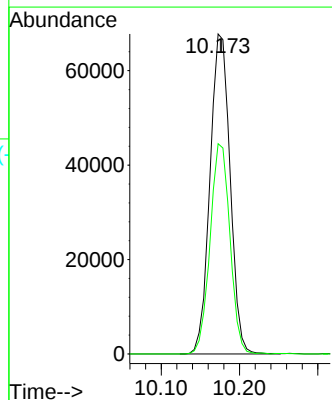
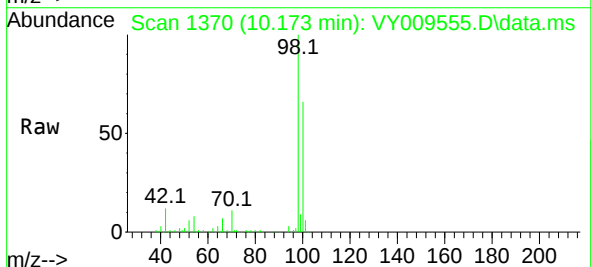


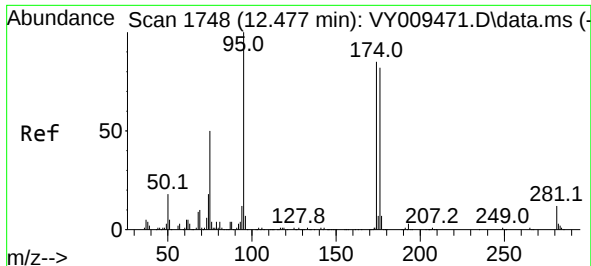
Tgt Ion:117 Resp: 12549
Ion Ratio Lower Upper
117 100
119 5.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 39.964 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009555.D
Acq: 13 Jul 2022 13:43

Tgt Ion: 98 Resp: 120694
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2

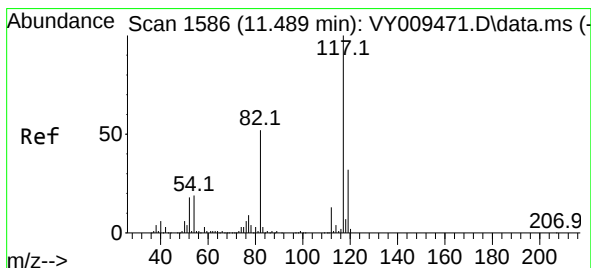
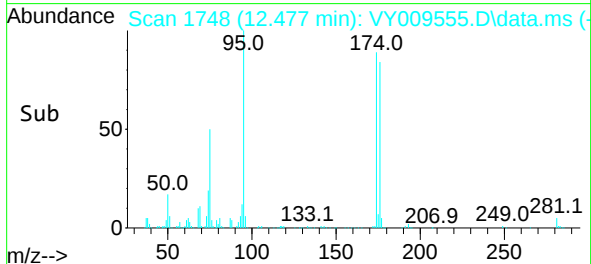
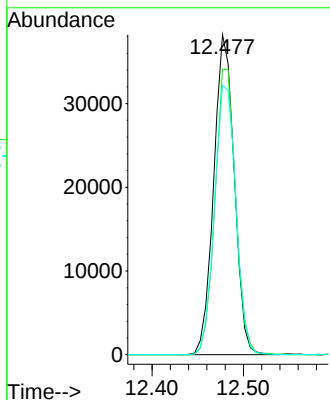
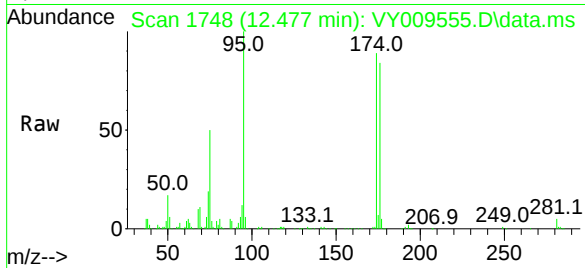




#62
4-Bromofluorobenzene
Concen: 39.916 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009555.D
Acq: 13 Jul 2022 13:43

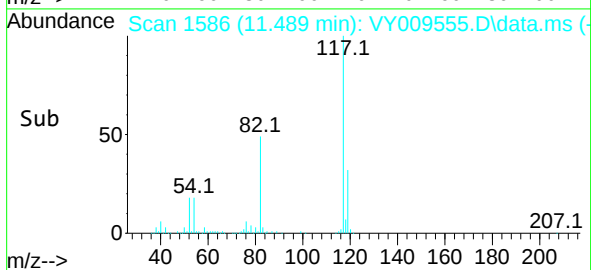
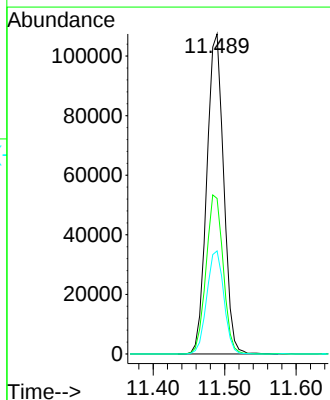
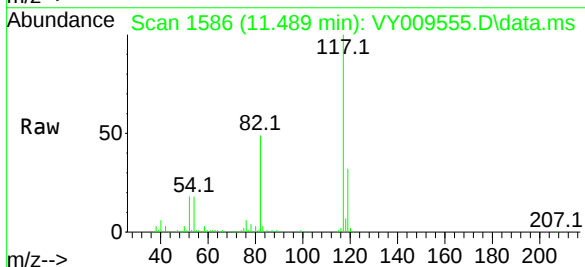
Instrument :
MSVOA_Y
ClientSampleId :
20220510-COMPOSITE-E

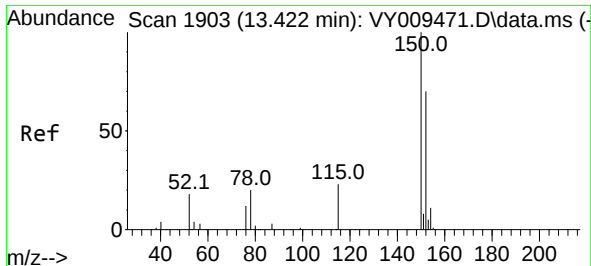
Tgt Ion: 95 Resp: 59632
Ion Ratio Lower Upper
95 100
174 89.9 0.0 177.0
176 88.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY009555.D
Acq: 13 Jul 2022 13:43

Tgt Ion: 117 Resp: 175675
Ion Ratio Lower Upper
117 100
82 48.6 43.0 64.4
119 32.2 25.4 38.0

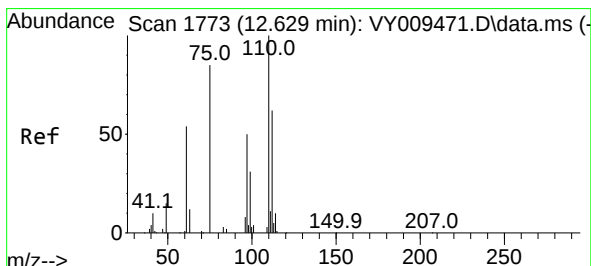
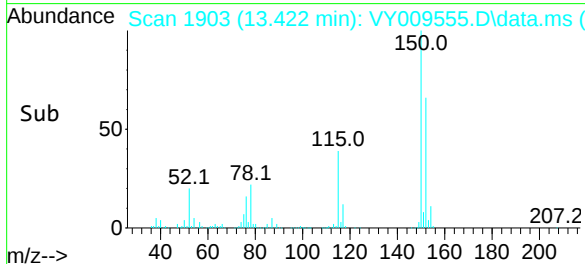
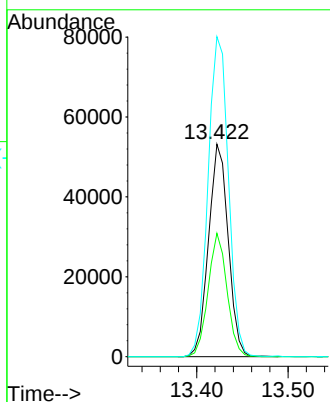
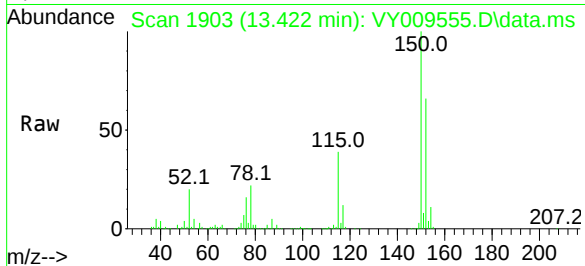




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009555.D
Acq: 13 Jul 2022 13:43

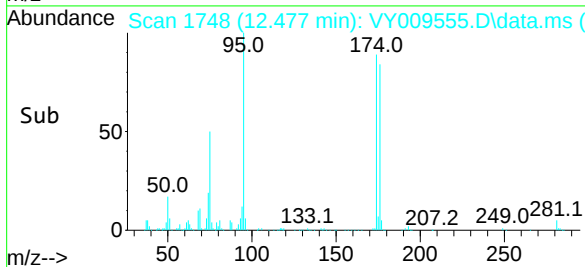
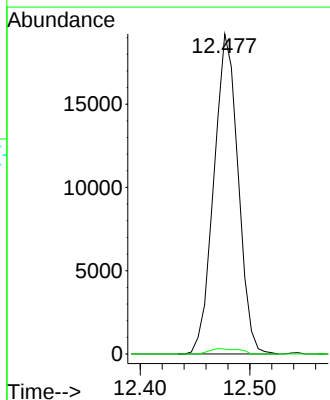
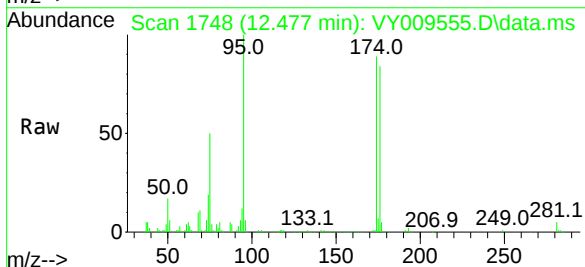
Instrument : MSVOA_Y
ClientSampleId : 20220510-COMPOSITE-E

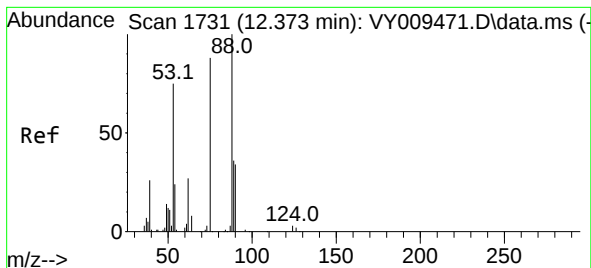
Tgt Ion:152 Resp: 79568
Ion Ratio Lower Upper
152 100
115 55.8 28.2 84.7
150 156.2 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 35.049 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009555.D
Acq: 13 Jul 2022 13:43

Tgt Ion: 75 Resp: 29521
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 71.732 ug/l

RT: 12.477 min Scan# 11

Delta R.T. 0.104 min

Lab File: VY009555.D

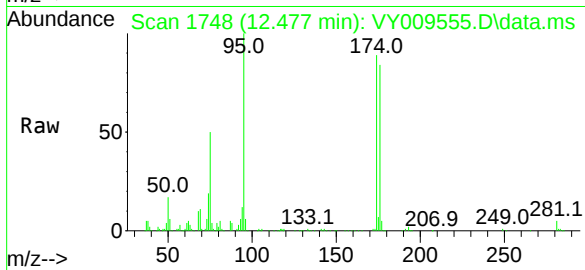
Acq: 13 Jul 2022 13:43

Instrument :

MSVOA_Y

ClientSampleId :

20220510-COMPOSITE-E



Tgt Ion: 75 Resp: 29521

Ion Ratio Lower Upper

75 100

53 0.0 85.3 127.9#

89 0.0 37.0 55.4#

