

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060222\
 Data File : VY009126.D
 Acq On : 02 Jun 2022 14:41
 Operator : KP/MD
 Sample : N3099-04
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220429-AMENDED-COMPOSITE-I

Quant Time: Jun 03 03:12:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

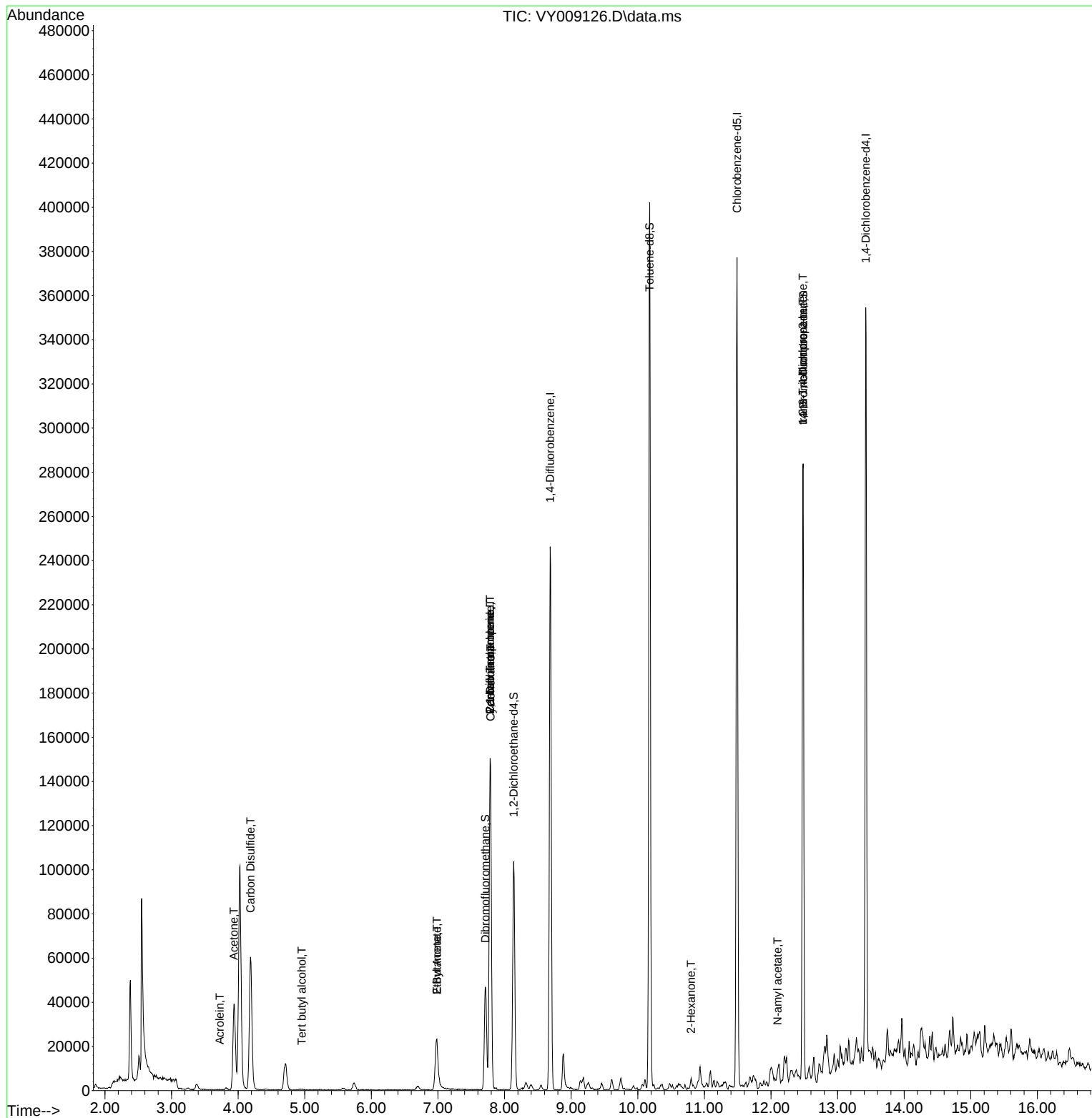
Internal Standards						
1) Pentafluorobenzene	7.783	168	116932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	209051	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	191550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	82252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	74367	61.795	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.600%	
35) Dibromofluoromethane	7.710	113	33463	25.741	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 51.480%#	
50) Toluene-d8	10.179	98	256387	53.461	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.920%	
62) 4-Bromofluorobenzene	12.483	95	74836	38.684	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 77.360%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	286	2.343	ug/l #	77
13) Acrolein	3.723	56	159	3.957	ug/l	86
16) Acetone	3.936	43	67254	268.473	ug/l	97
17) Carbon Disulfide	4.186	76	117386	32.669	ug/l	98
20) Methylene Chloride	4.710	84	8555	Below Cal		87
25) 2-Butanone	6.984	43	15079	33.701	ug/l #	89
31) Cyclohexane	7.789	56	3096	1.315	ug/l #	48
36) 1,1-Dichloropropene	7.783	75	10620	4.800	ug/l #	45
37) Ethyl Acetate	6.984	43	15079	13.140	ug/l #	75
38) Carbon Tetrachloride	7.783	117	11734	5.070	ug/l #	16
59) 2-Hexanone	10.801	43	3038	3.757	ug/l #	28
74) N-amyl acetate	12.099	43	4337	3.056	ug/l #	53
76) 1,2,3-Trichloropropane	12.477	75	43566	49.323	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	43566	101.235	ug/l #	8

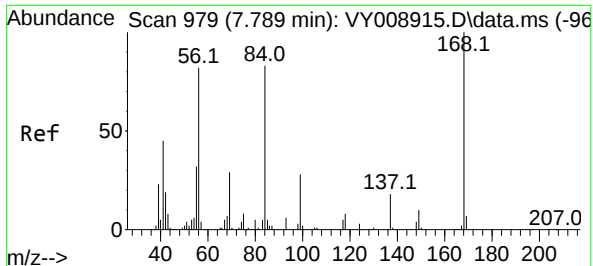
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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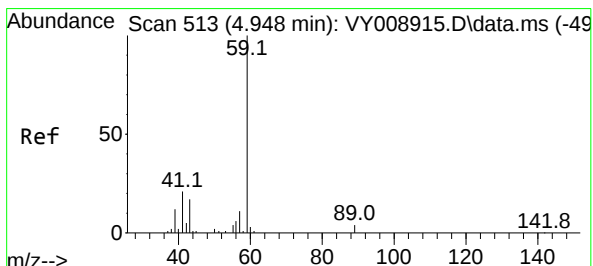
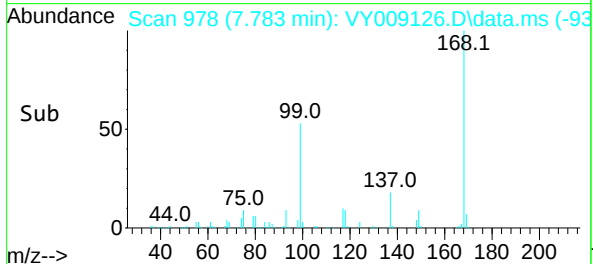
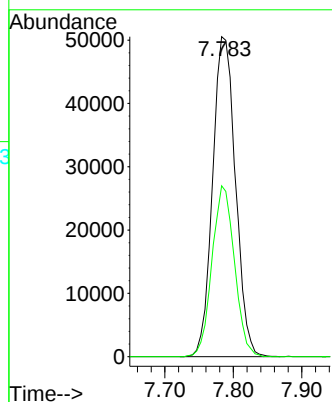
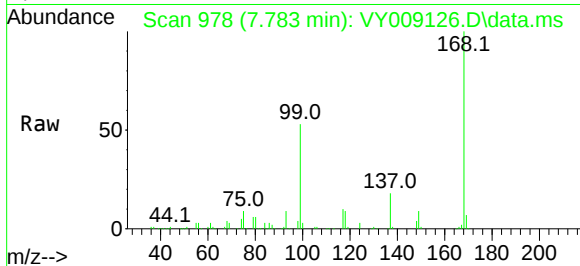




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009126.D
Acq: 02 Jun 2022 14:41

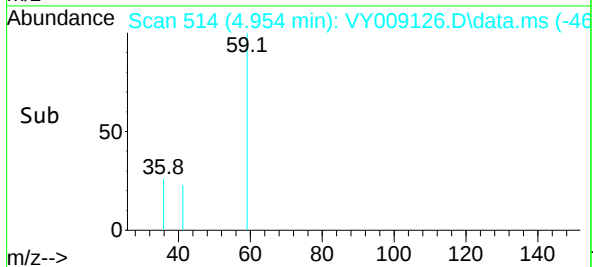
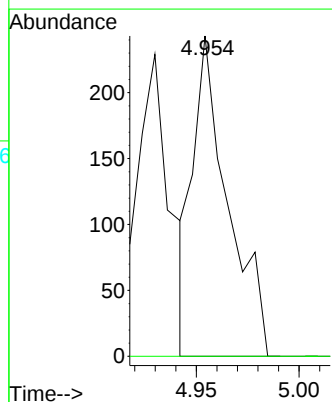
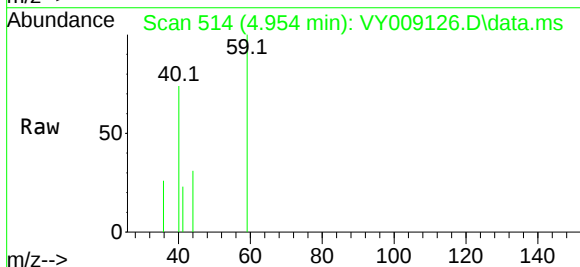
Instrument :
MSVOA_Y
ClientSampleId :
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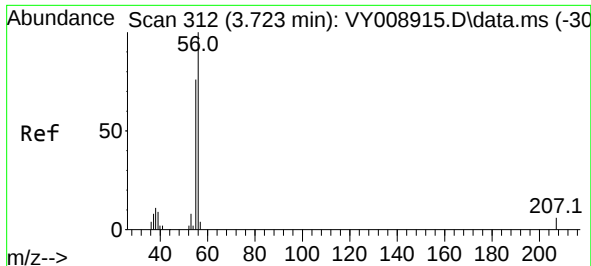
Tgt Ion:168 Resp: 116932
Ion Ratio Lower Upper
168 100
99 53.4 46.9 70.3



#11
Tert butyl alcohol
Concen: 2.343 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY009126.D
Acq: 02 Jun 2022 14:41

Tgt Ion: 59 Resp: 286
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

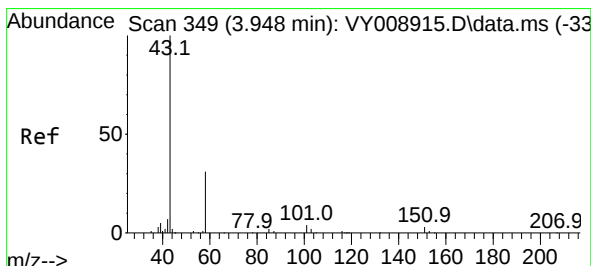
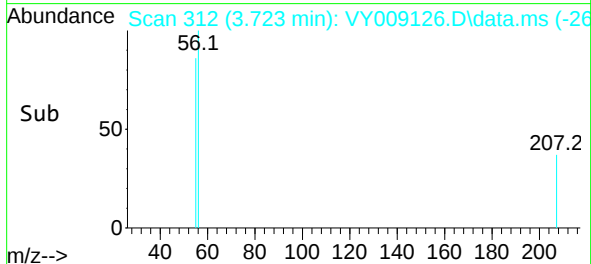
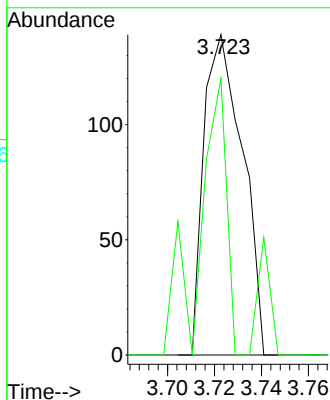
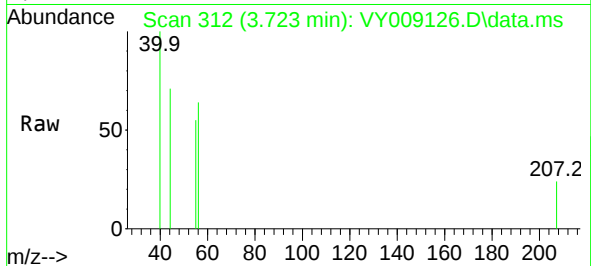




#13
Acrolein
Concen: 3.957 ug/l
RT: 3.723 min Scan# 312
Delta R.T. -0.000 min
Lab File: VY009126.D
Acq: 02 Jun 2022 14:41

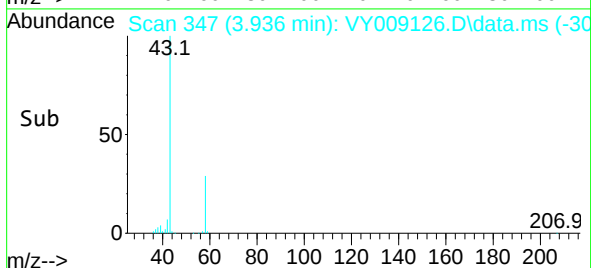
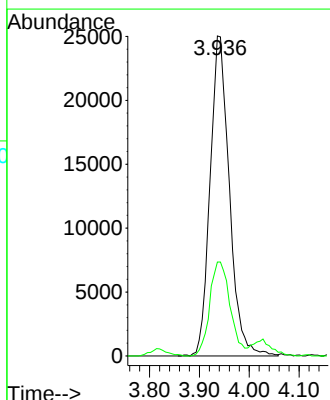
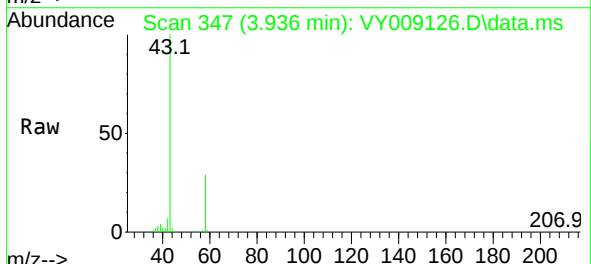
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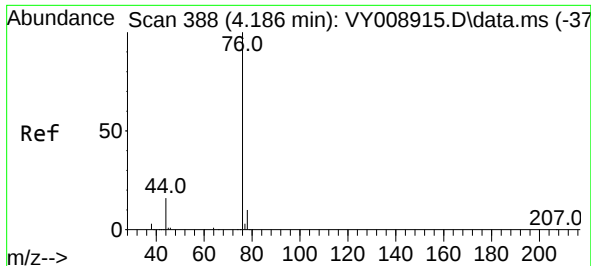
Tgt Ion: 56 Resp: 159
Ion Ratio Lower Upper
56 100
55 60.4 57.6 86.4



#16
Acetone
Concen: 268.473 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.012 min
Lab File: VY009126.D
Acq: 02 Jun 2022 14:41

Tgt Ion: 43 Resp: 67254
Ion Ratio Lower Upper
43 100
58 28.9 22.0 33.0

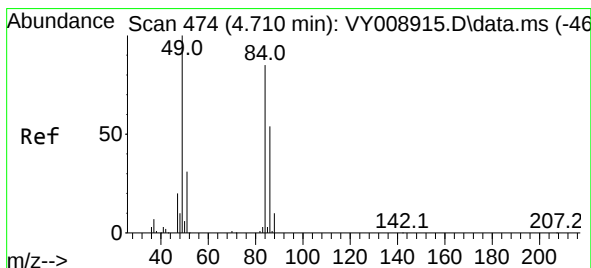
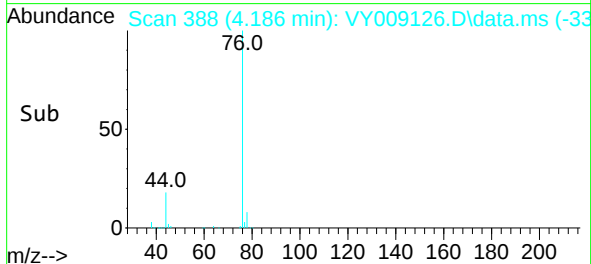
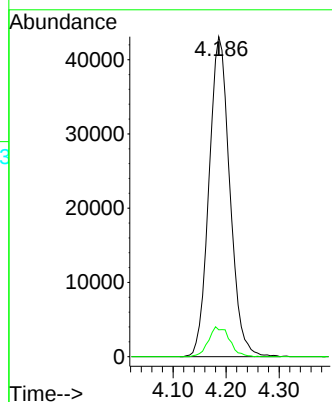
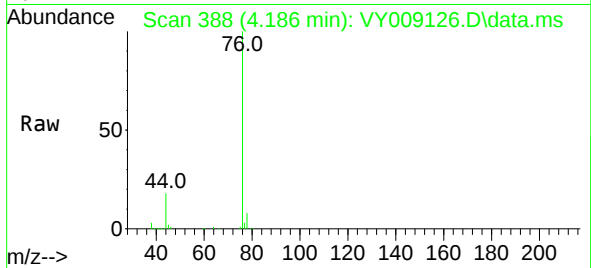




#17
Carbon Disulfide
Concen: 32.669 ug/l
RT: 4.186 min Scan# 388
Delta R.T. 0.000 min
Lab File: VY009126.D
Acq: 02 Jun 2022 14:41

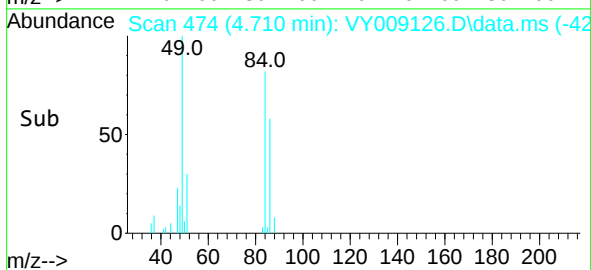
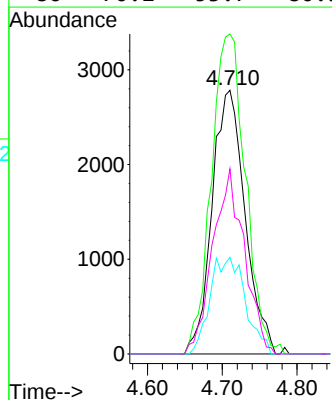
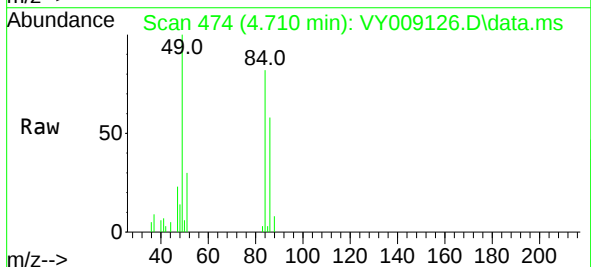
Instrument : MSVOA_Y
ClientSampleId : 20220429-AMENDED-COMPOSITE-I

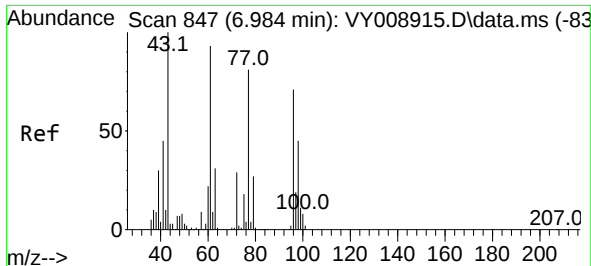
Tgt Ion: 76 Resp: 117386
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY009126.D
Acq: 02 Jun 2022 14:41

Tgt Ion: 84 Resp: 8555
Ion Ratio Lower Upper
84 100
49 121.3 114.4 171.6
51 36.7 35.3 52.9
86 70.2 53.7 80.5

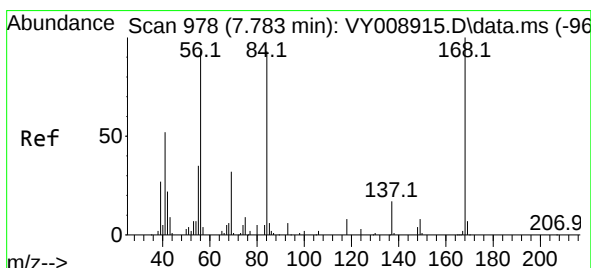
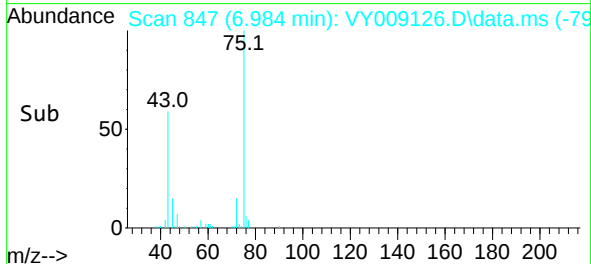
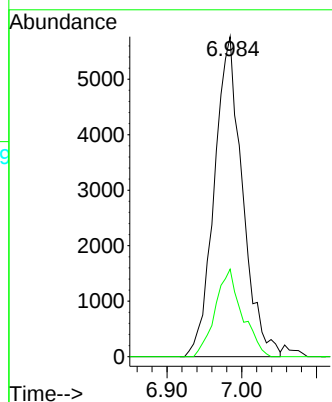
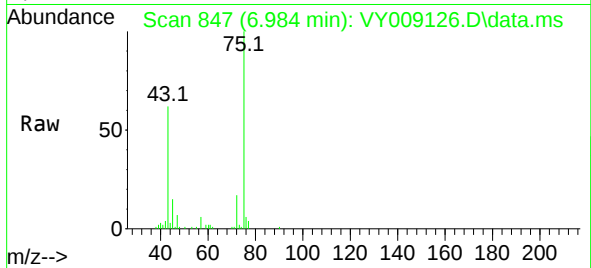




#25
2-Butanone
Concen: 33.701 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY009126.D
Acq: 02 Jun 2022 14:41

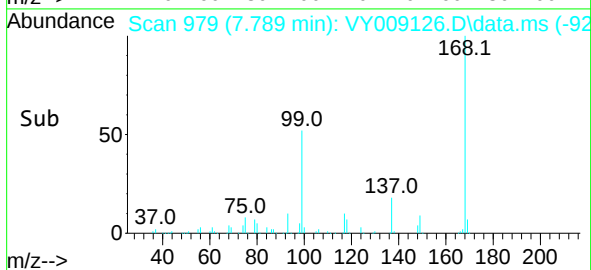
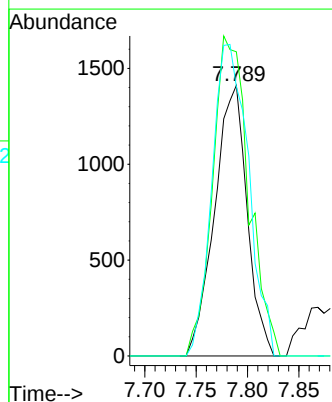
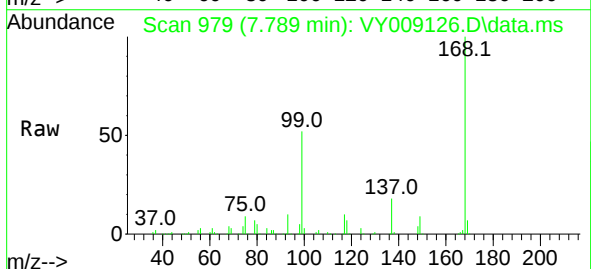
Instrument : MSVOA_Y
ClientSampleId : 20220429-AMENDED-COMPOSITE-I

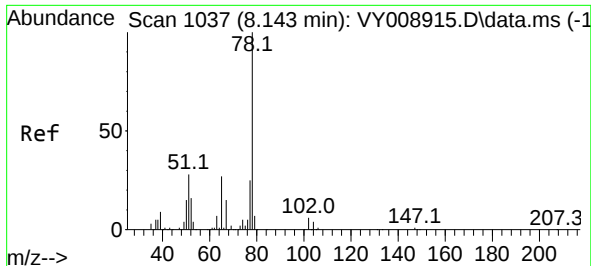
Tgt Ion: 43 Resp: 15079
Ion Ratio Lower Upper
43 100
72 27.3 17.7 26.5#



#31
Cyclohexane
Concen: 1.315 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY009126.D
Acq: 02 Jun 2022 14:41

Tgt Ion: 56 Resp: 3096
Ion Ratio Lower Upper
56 100
69 112.4 26.7 40.1#
84 99.6 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 61.795 ug/l

RT: 8.137 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY009126.D

Acq: 02 Jun 2022 14:41

Instrument :

MSVOA_Y

ClientSampleId :

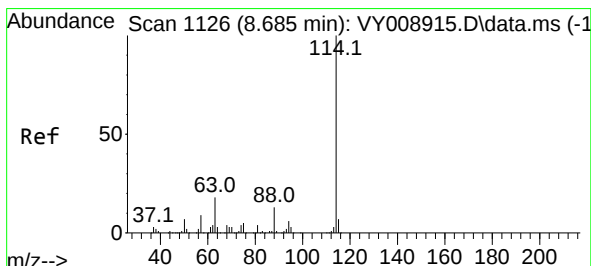
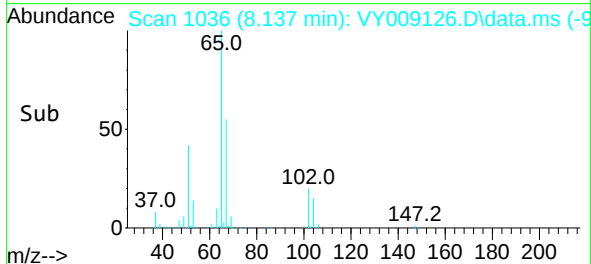
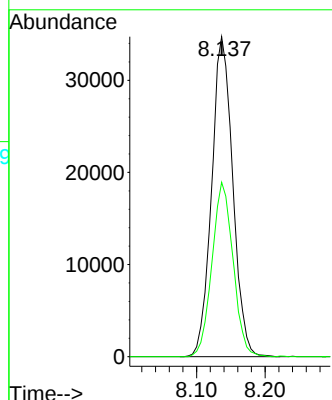
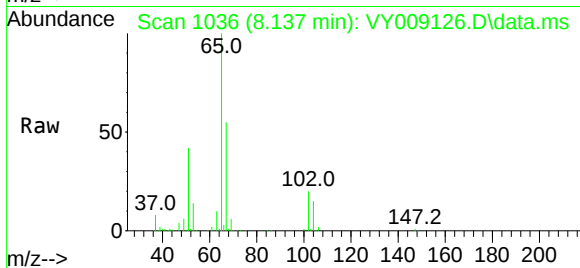
20220429-AMENDED-COMPOSITE-I

Tgt Ion: 65 Resp: 74367

Ion Ratio Lower Upper

65 100

67 54.3 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009126.D

Acq: 02 Jun 2022 14:41

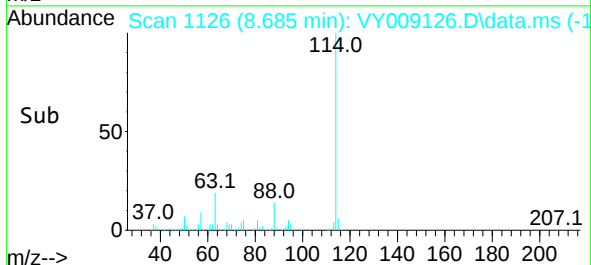
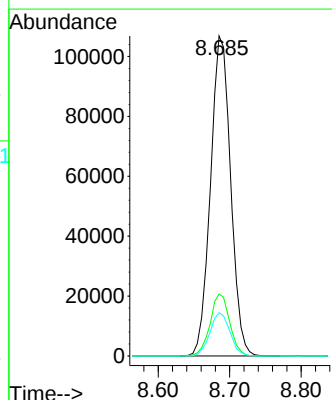
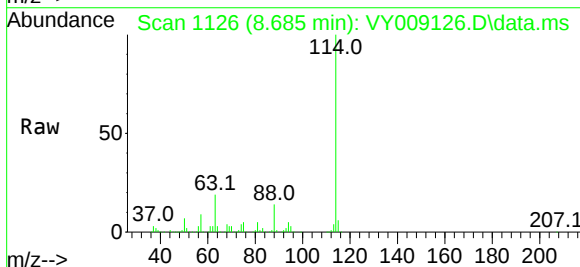
Tgt Ion: 114 Resp: 209051

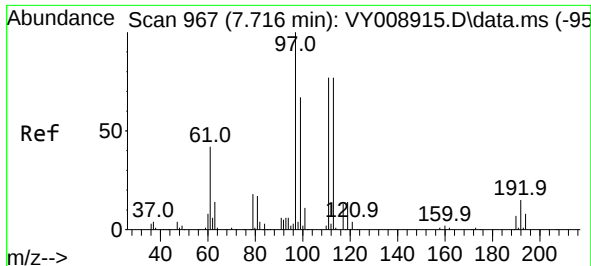
Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 13.5 0.0 31.8

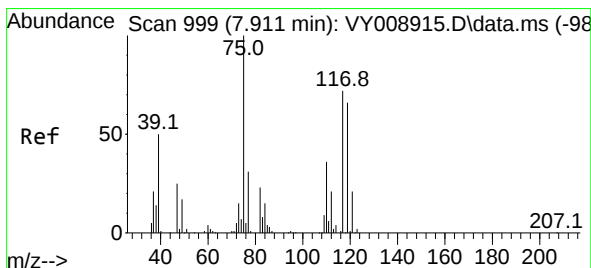
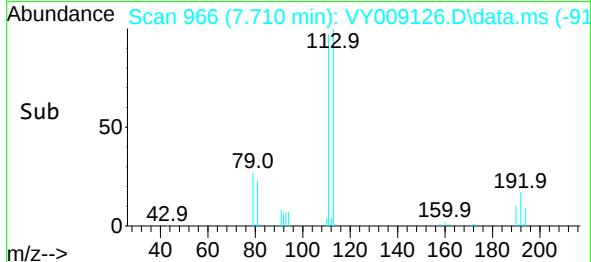
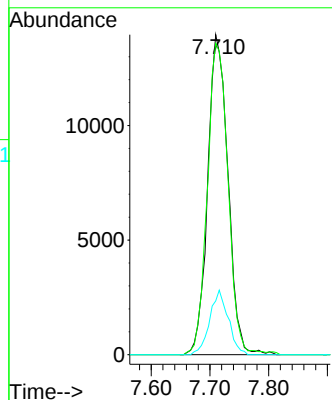
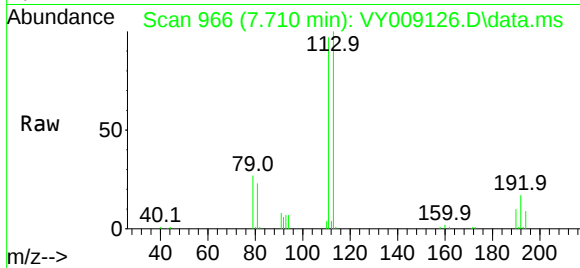




#35
Dibromofluoromethane
Concen: 25.741 ug/l
RT: 7.710 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY009126.D
Acq: 02 Jun 2022 14:41

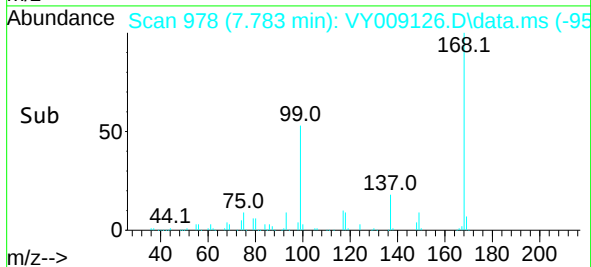
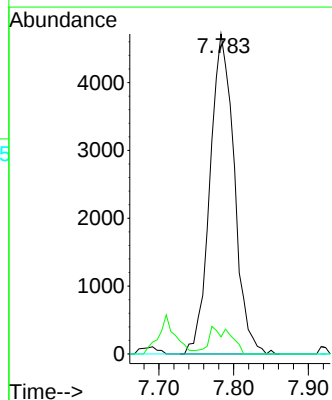
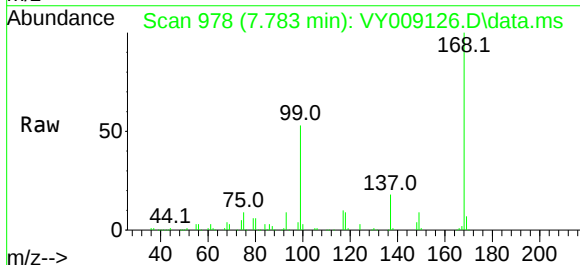
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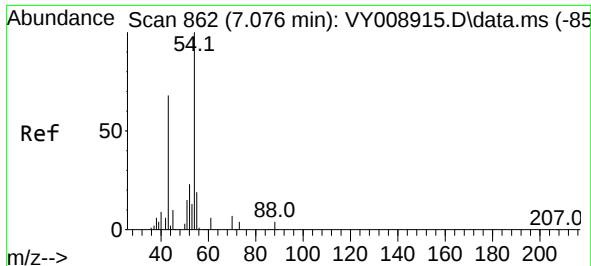
Tgt Ion:113 Resp: 33463
Ion Ratio Lower Upper
113 100
111 99.6 82.6 124.0
192 18.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.800 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009126.D
Acq: 02 Jun 2022 14:41

Tgt Ion: 75 Resp: 10620
Ion Ratio Lower Upper
75 100
110 3.3 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 13.140 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY009126.D

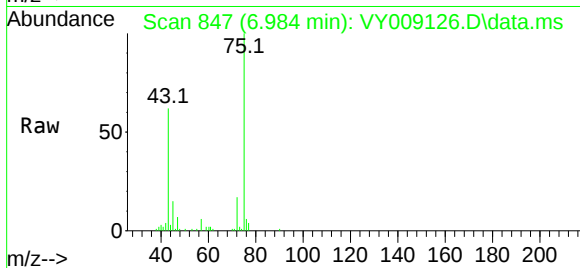
Acq: 02 Jun 2022 14:41

Instrument :

MSVOA_Y

ClientSampleId :

20220429-AMENDED-COMPOSITE-I



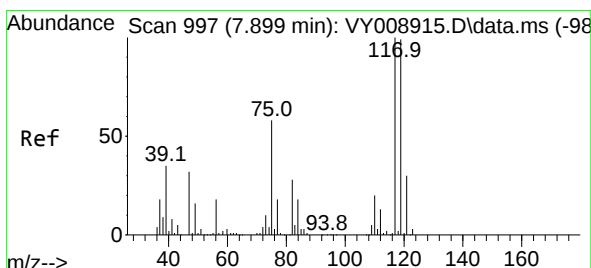
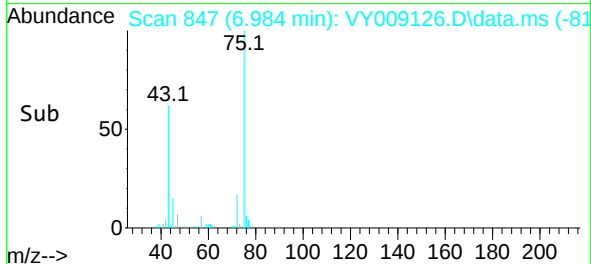
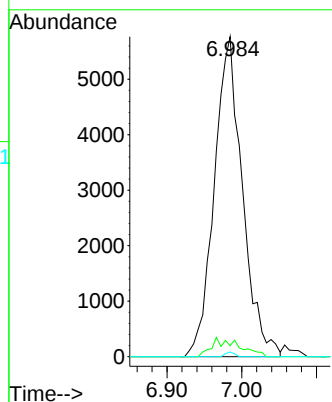
Tgt Ion: 43 Resp: 15079

Ion Ratio Lower Upper

43 100

61 2.2 9.7 14.5#

70 0.5 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.070 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY009126.D

Acq: 02 Jun 2022 14:41

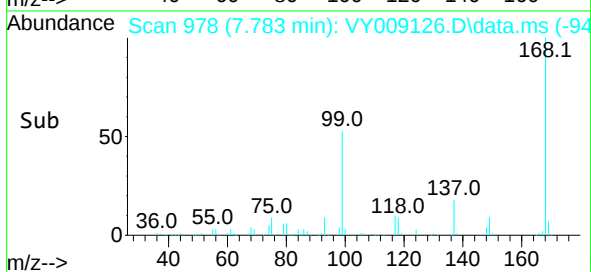
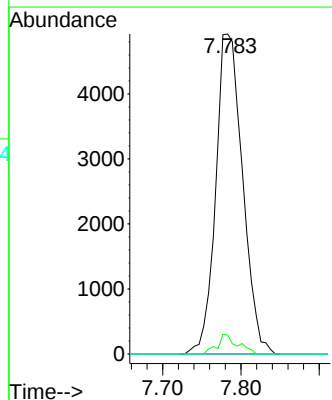
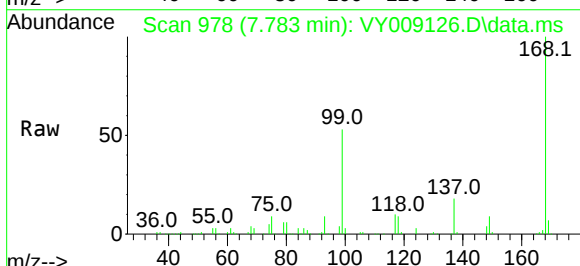
Tgt Ion: 117 Resp: 11734

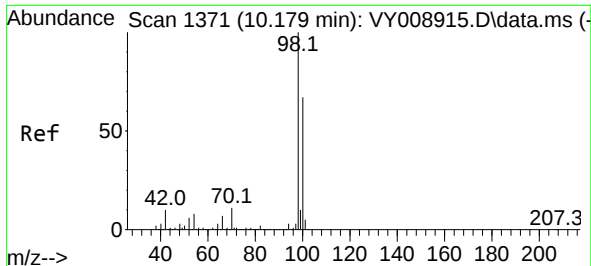
Ion Ratio Lower Upper

117 100

119 5.9 77.9 116.9#

121 0.0 24.8 37.2#

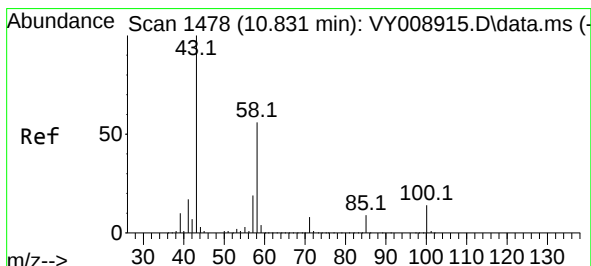
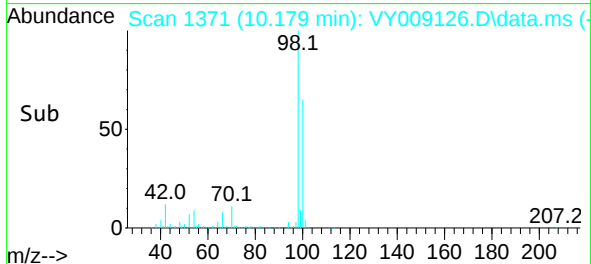
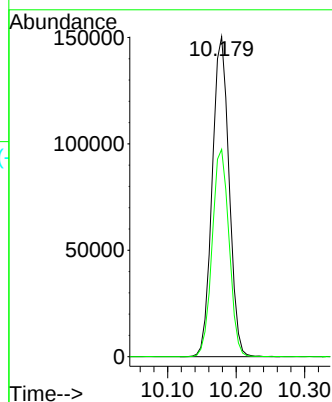
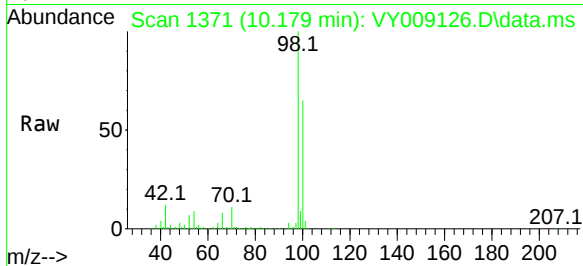




#50
Toluene-d8
Concen: 53.461 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009126.D
Acq: 02 Jun 2022 14:41

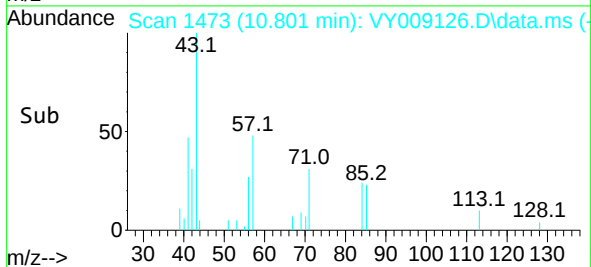
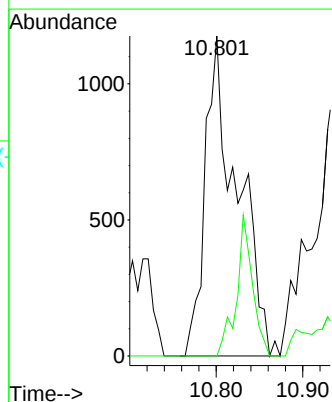
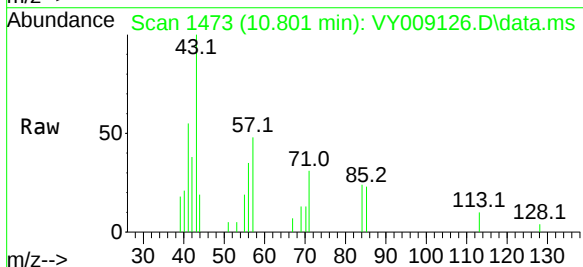
Instrument :
MSVOA_Y
ClientSampleId :
20220429-AMENDED-COMPOSITE-I

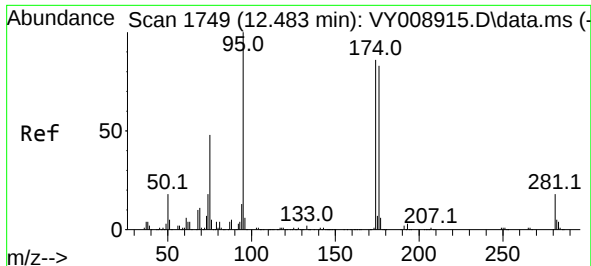
Tgt Ion: 98 Resp: 256387
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



#59
2-Hexanone
Concen: 3.757 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY009126.D
Acq: 02 Jun 2022 14:41

Tgt Ion: 43 Resp: 3038
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#

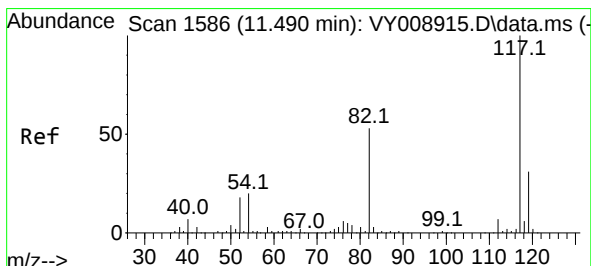
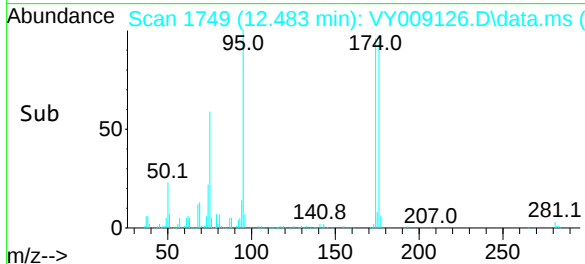
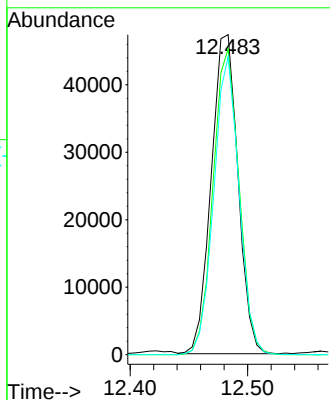
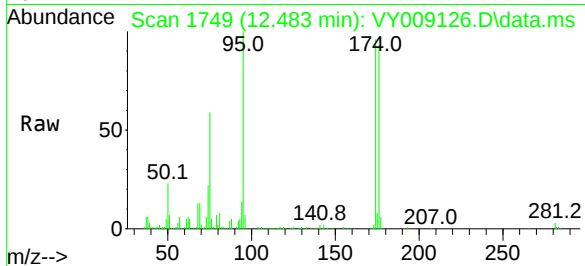




#62
4-Bromofluorobenzene
Concen: 38.684 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY009126.D
Acq: 02 Jun 2022 14:41

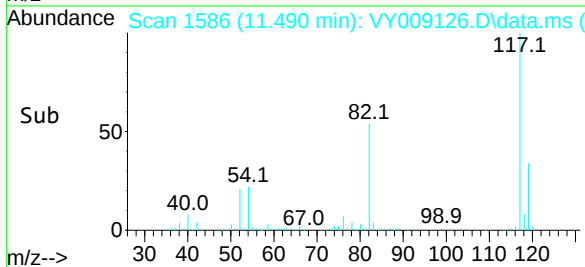
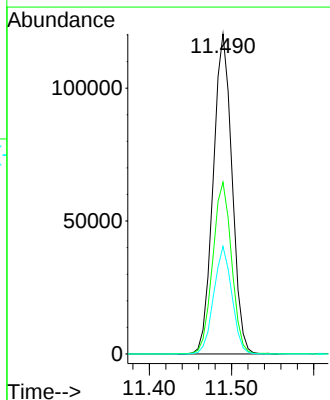
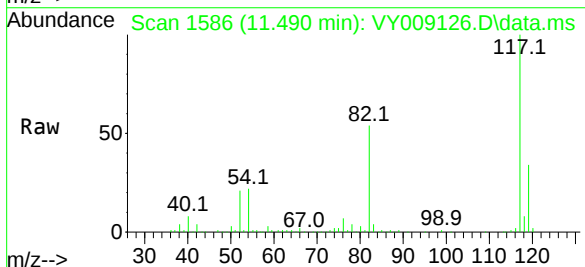
Instrument :
MSVOA_Y
ClientSampleId :
20220429-AMENDED-COMPOSITE-I

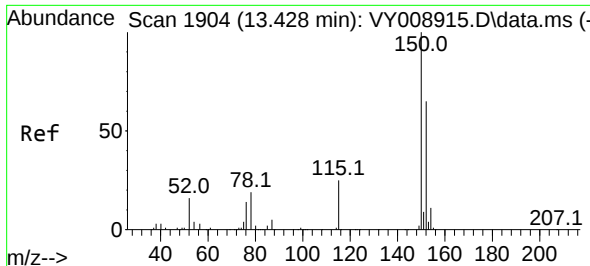
Tgt Ion: 95 Resp: 74836
Ion Ratio Lower Upper
95 100
174 92.9 0.0 177.0
176 88.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY009126.D
Acq: 02 Jun 2022 14:41

Tgt Ion: 117 Resp: 191550
Ion Ratio Lower Upper
117 100
82 53.6 43.0 64.4
119 33.6 25.4 38.0

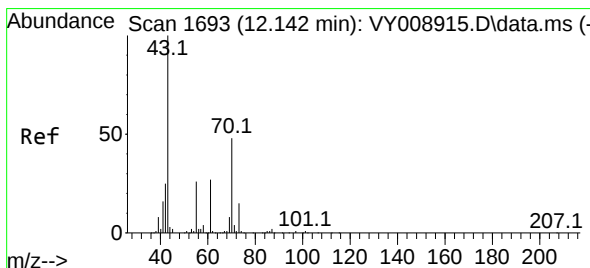
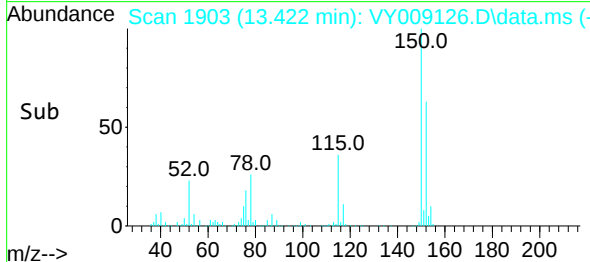
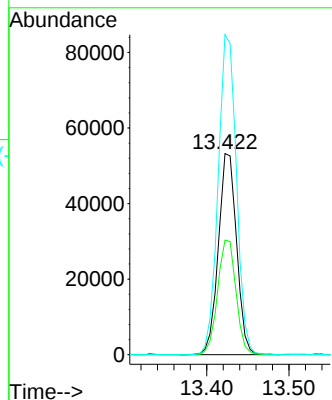
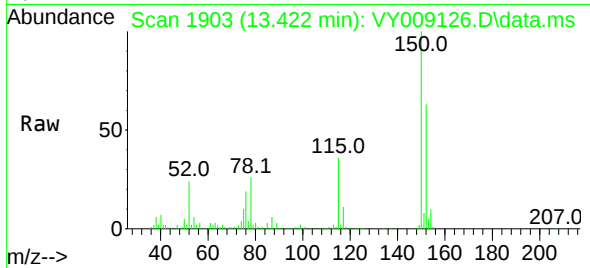




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY009126.D
Acq: 02 Jun 2022 14:41

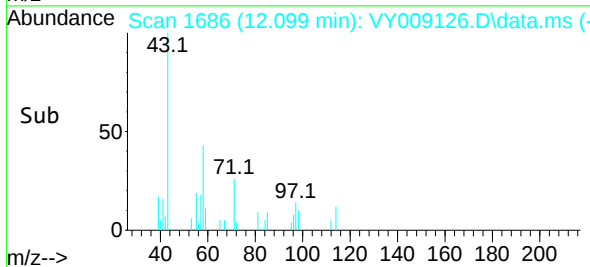
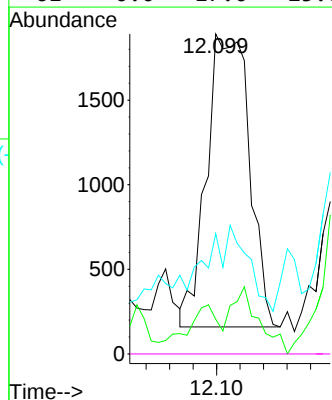
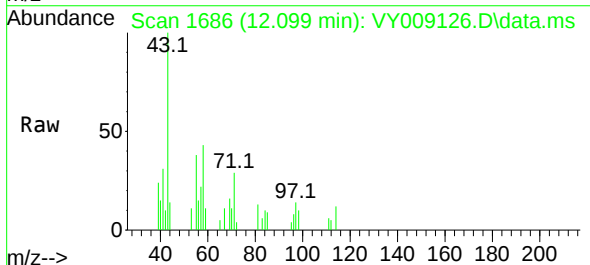
Instrument : MSVOA_Y
ClientSampleId : 20220429-AMENDED-COMPOSITE-I

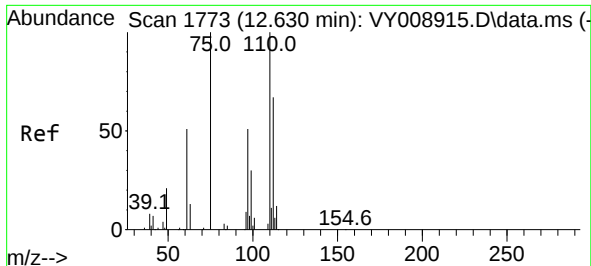
Tgt Ion:152 Resp: 82252
Ion Ratio Lower Upper
152 100
115 57.3 28.2 84.7
150 159.4 0.0 347.6



#74
N-ethyl acetate
Concen: 3.056 ug/l
RT: 12.099 min Scan# 1686
Delta R.T. -0.043 min
Lab File: VY009126.D
Acq: 02 Jun 2022 14:41

Tgt Ion: 43 Resp: 4337
Ion Ratio Lower Upper
43 100
70 7.7 28.7 43.1#
55 0.0 17.3 25.9#
61 0.0 17.0 25.6#

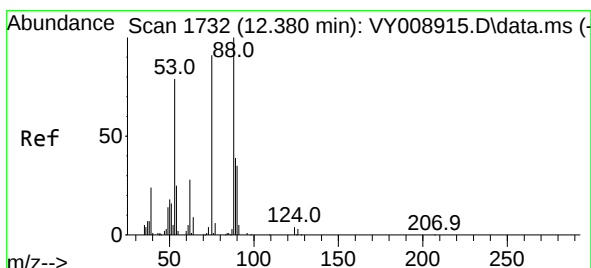
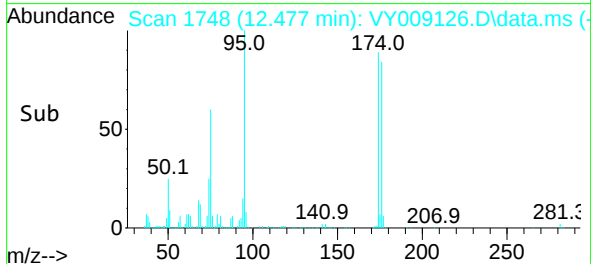
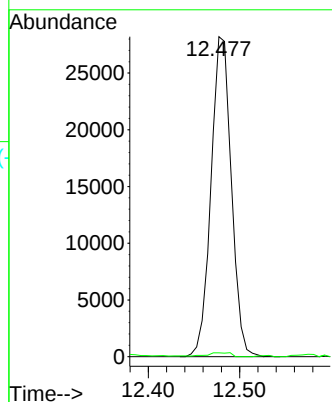
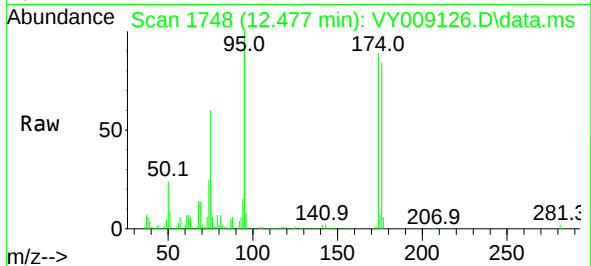




#76
1,2,3-Trichloropropane
Concen: 49.323 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009126.D
Acq: 02 Jun 2022 14:41

Instrument :
MSVOA_Y
ClientSampleId :
20220429-AMENDED-COMPOSITE-I

Tgt Ion: 75 Resp: 43566
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.235 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY009126.D
Acq: 02 Jun 2022 14:41

Tgt Ion: 75 Resp: 43566
Ion Ratio Lower Upper
75 100
53 1.2 85.3 127.9#
89 0.0 37.0 55.4#

