

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060222\
 Data File : VY009128.D
 Acq On : 02 Jun 2022 15:28
 Operator : KP/MD
 Sample : N3139-02
 Misc : 4.95g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-2

Quant Time: Jun 03 03:12:39 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)

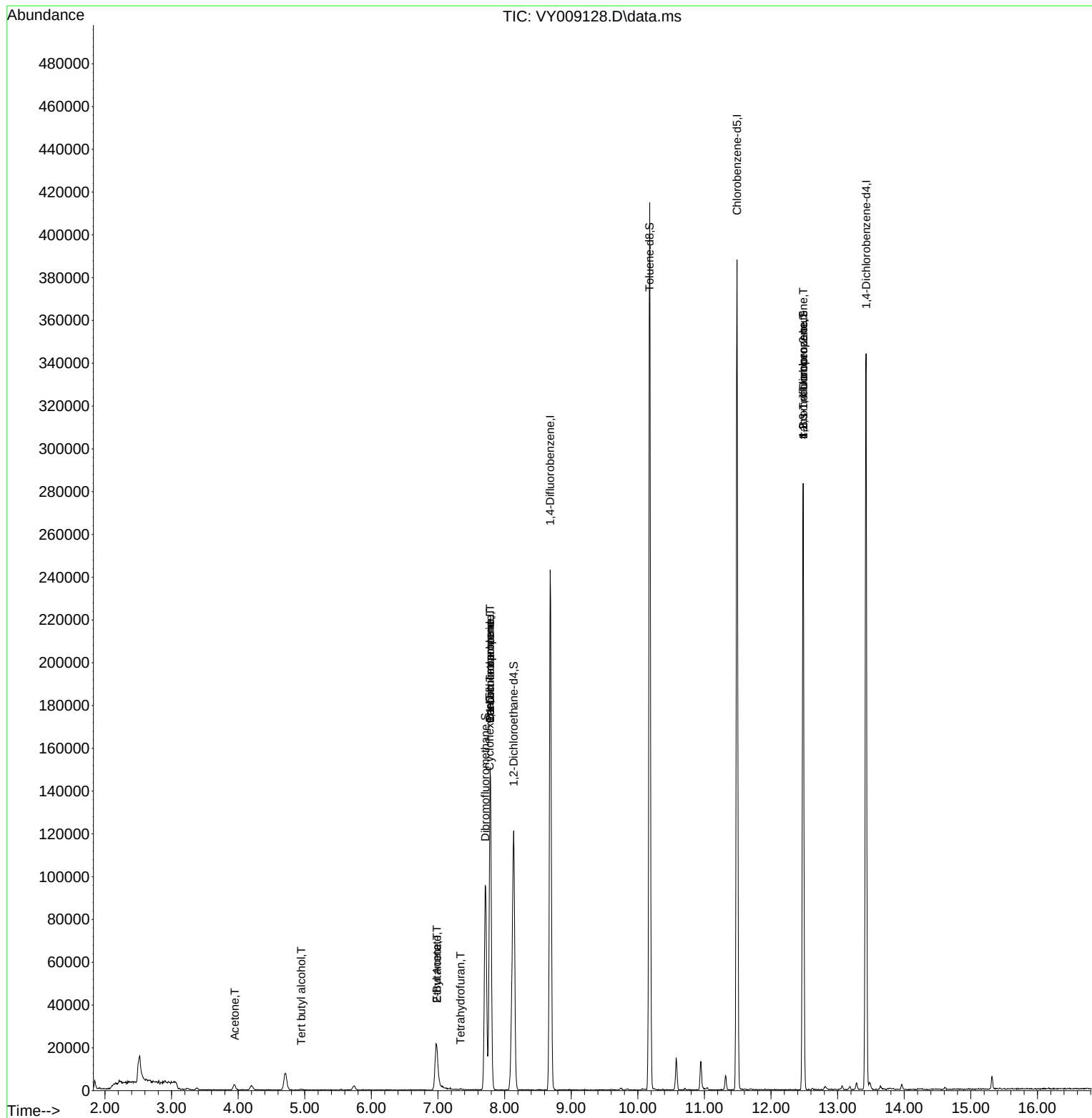
Internal Standards						
1) Pentafluorobenzene	7.782	168	113701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	203425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	193985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	83690	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	76848	65.671	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.340%	
35) Dibromofluoromethane	7.709	113	64659	51.115	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.220%	
50) Toluene-d8	10.178	98	254731	54.585	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.160%	
62) 4-Bromofluorobenzene	12.483	95	74653	39.656	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.320%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	483	4.069	ug/l #	77
16) Acetone	3.948	43	4405	18.084	ug/l	98
20) Methylene Chloride	4.716	84	5884	Below Cal		92
25) 2-Butanone	6.984	43	1547	3.556	ug/l	94
29) Tetrahydrofuran	7.337	42	301	1.019	ug/l #	44
31) Cyclohexane	7.776	56	2933	1.281	ug/l #	33
36) 1,1-Dichloropropene	7.782	75	9912	4.604	ug/l #	50
37) Ethyl Acetate	6.984	43	1547	1.385	ug/l #	1
38) Carbon Tetrachloride	7.782	117	10958	4.866	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	43018	47.865	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	43018	98.244	ug/l #	7

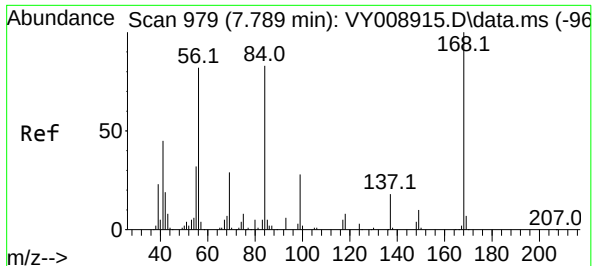
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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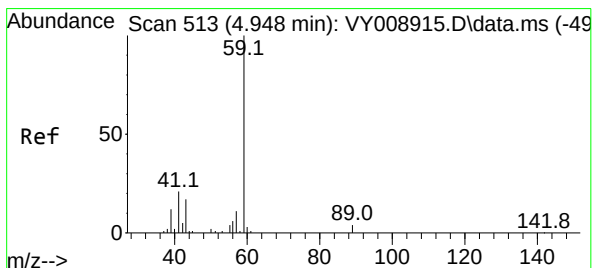
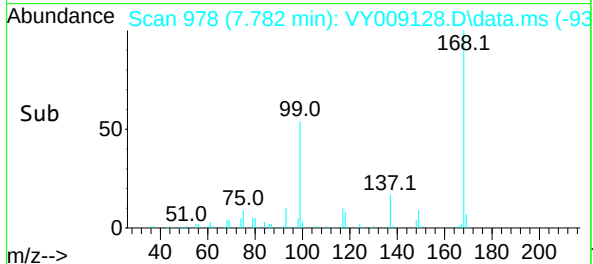
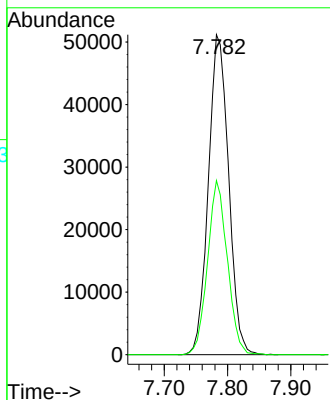
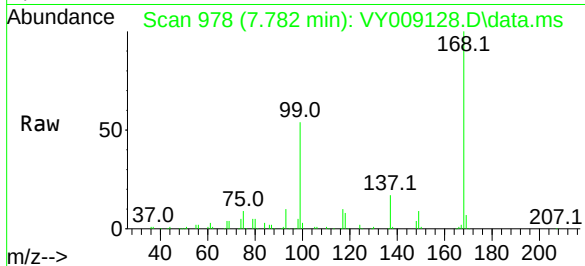




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY009128.D
Acq: 02 Jun 2022 15:28

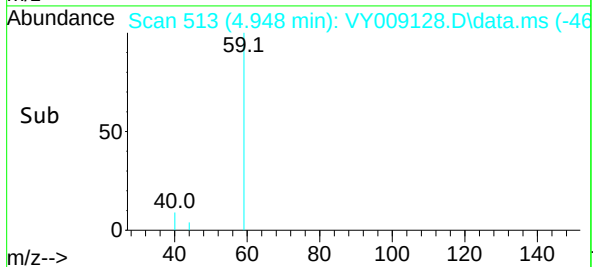
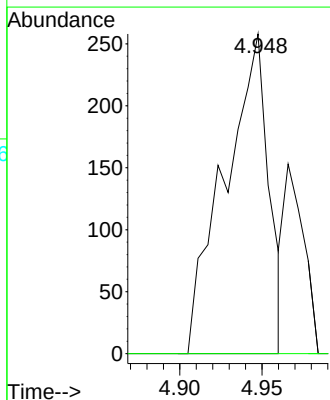
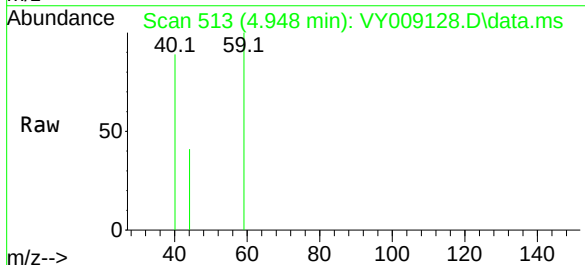
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

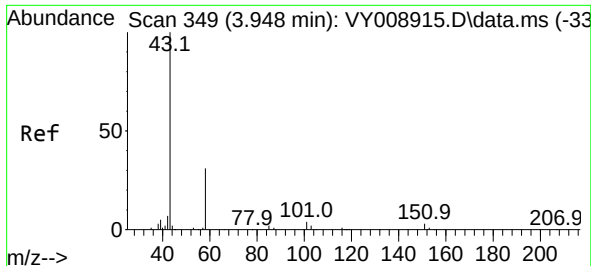
Tgt Ion:168 Resp: 113701
Ion Ratio Lower Upper
168 100
99 54.4 46.9 70.3



#11
Tert butyl alcohol
Concen: 4.069 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY009128.D
Acq: 02 Jun 2022 15:28

Tgt Ion: 59 Resp: 483
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

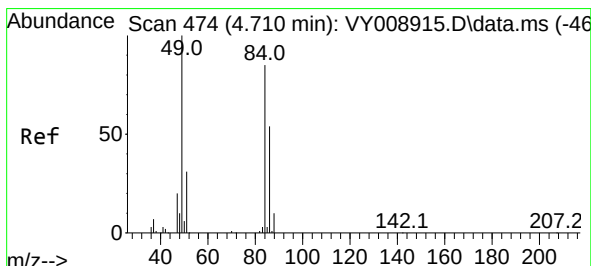
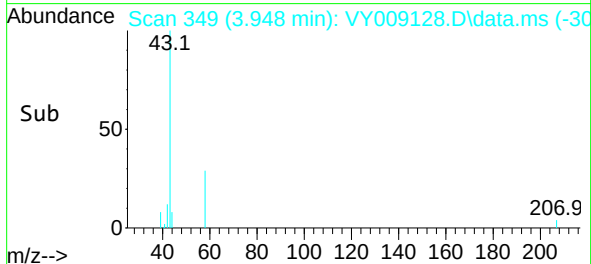
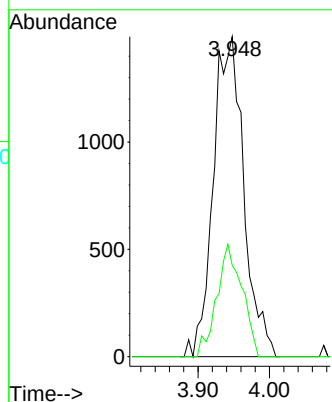
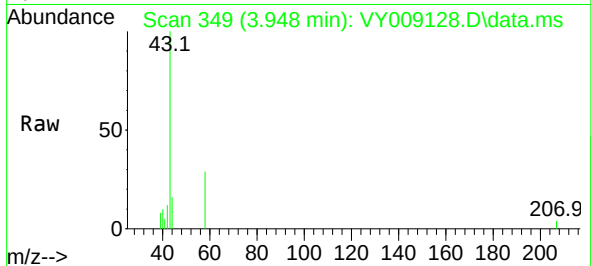




#16
Acetone
Concen: 18.084 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY009128.D
Acq: 02 Jun 2022 15:28

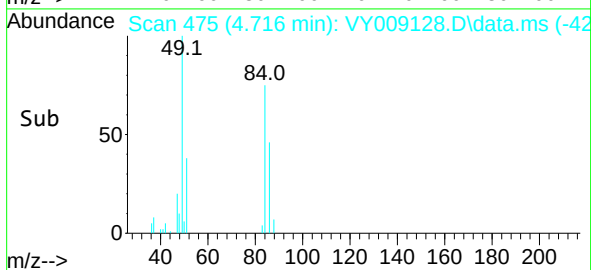
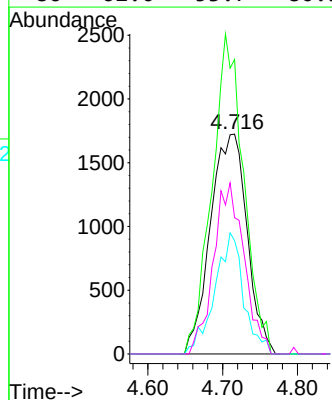
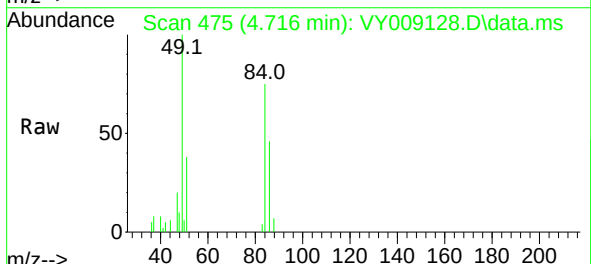
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

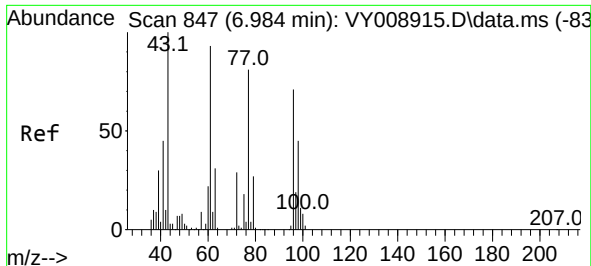
Tgt Ion: 43 Resp: 4405
Ion Ratio Lower Upper
43 100
58 28.6 22.0 33.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY009128.D
Acq: 02 Jun 2022 15:28

Tgt Ion: 84 Resp: 5884
Ion Ratio Lower Upper
84 100
49 133.9 114.4 171.6
51 51.5 35.3 52.9
86 62.0 53.7 80.5

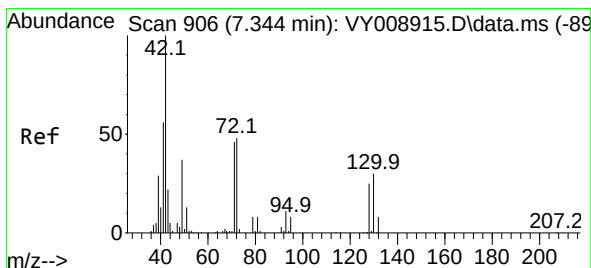
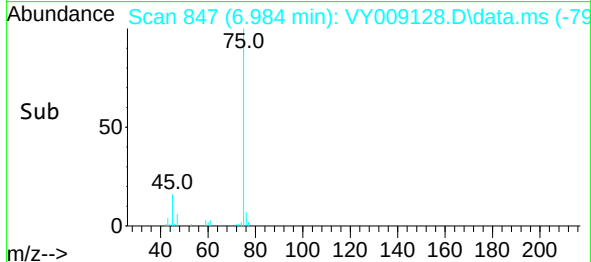
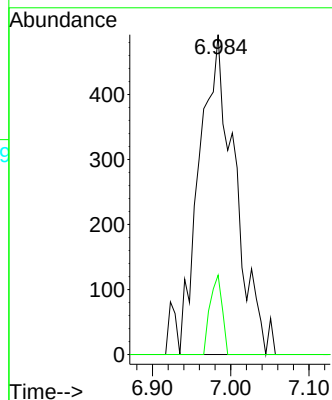
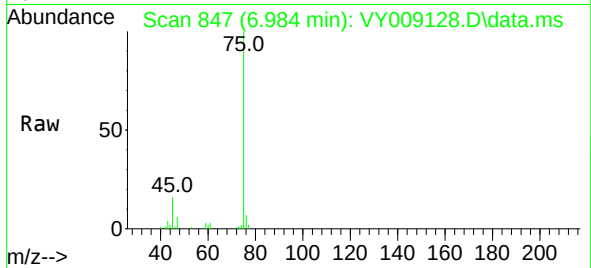




#25
2-Butanone
Concen: 3.556 ug/l
RT: 6.984 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY009128.D
Acq: 02 Jun 2022 15:28

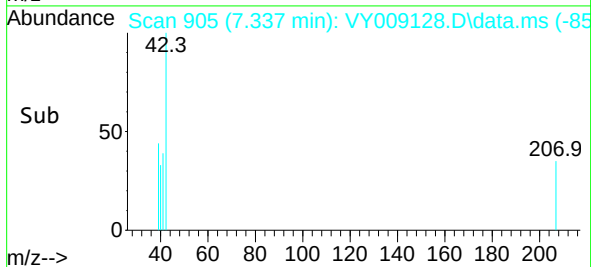
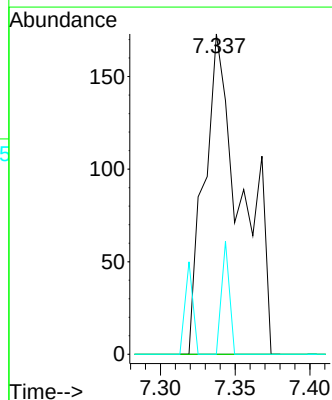
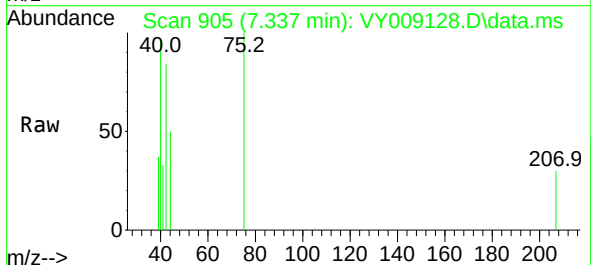
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

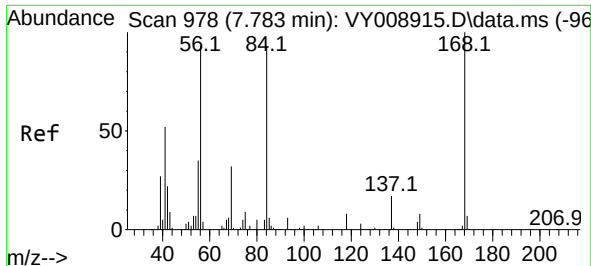
Tgt Ion: 43 Resp: 1547
Ion Ratio Lower Upper
43 100
72 24.8 17.7 26.5



#29
Tetrahydrofuran
Concen: 1.019 ug/l
RT: 7.337 min Scan# 905
Delta R.T. -0.007 min
Lab File: VY009128.D
Acq: 02 Jun 2022 15:28

Tgt Ion: 42 Resp: 301
Ion Ratio Lower Upper
42 100
72 0.0 30.3 45.5#
71 7.3 29.0 43.4#

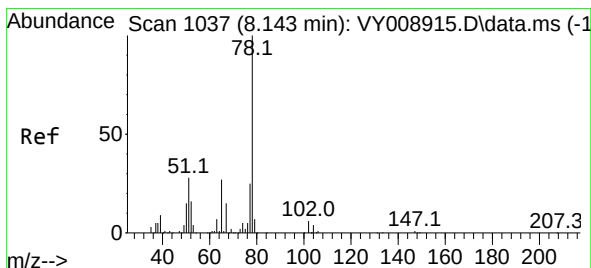
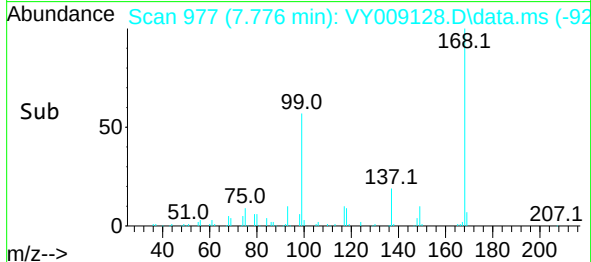
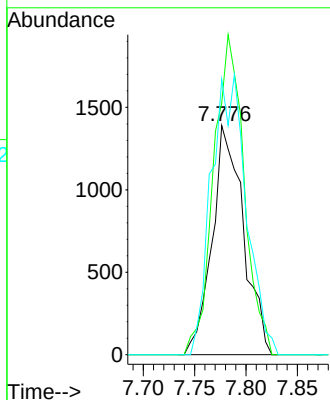
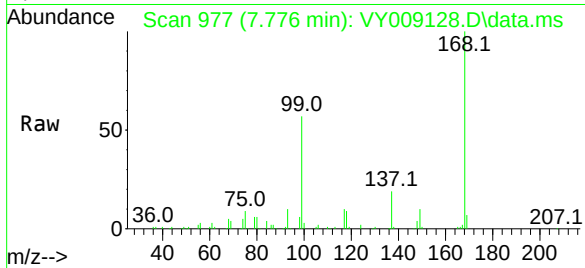




#31
Cyclohexane
Concen: 1.281 ug/l
RT: 7.776 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY009128.D
Acq: 02 Jun 2022 15:28

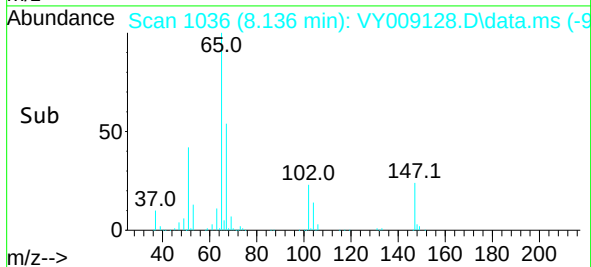
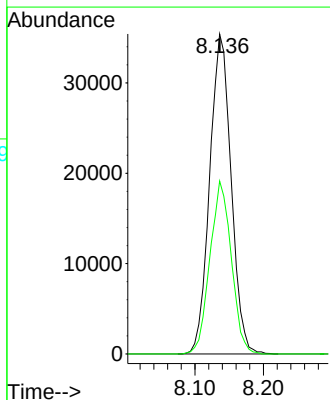
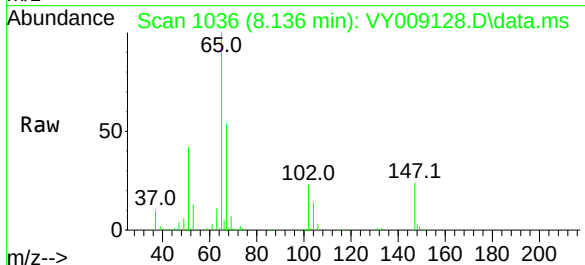
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

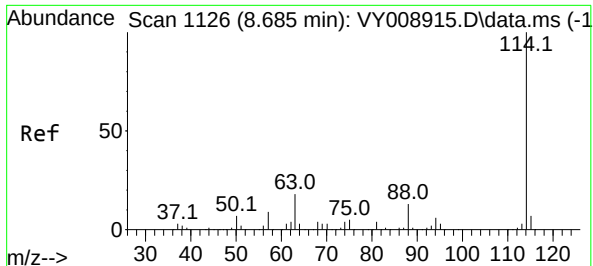
Tgt Ion: 56 Resp: 2933
Ion Ratio Lower Upper
56 100
69 109.8 26.7 40.1#
84 120.1 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 65.671 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY009128.D
Acq: 02 Jun 2022 15:28

Tgt Ion: 65 Resp: 76848
Ion Ratio Lower Upper
65 100
67 54.0 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: VY009128.D

Acq: 02 Jun 2022 15:28

Instrument :

MSVOA_Y

ClientSampleId :

COMP-2

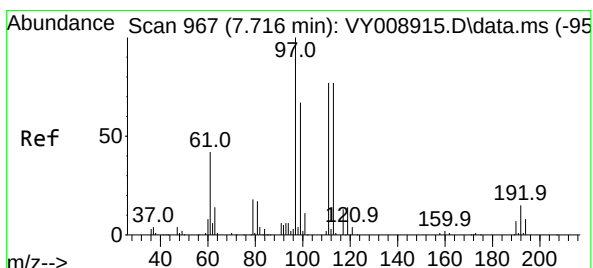
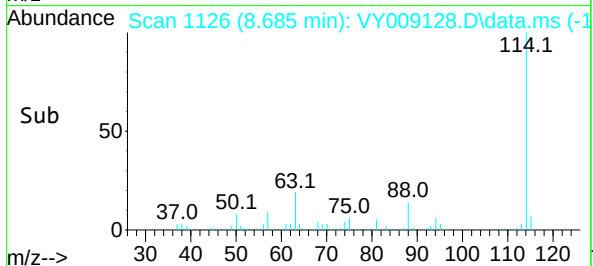
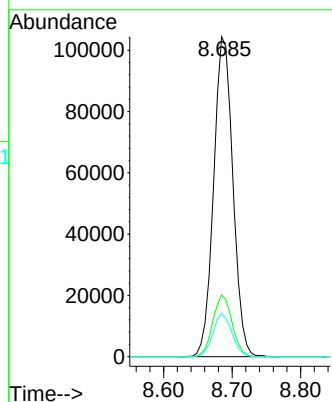
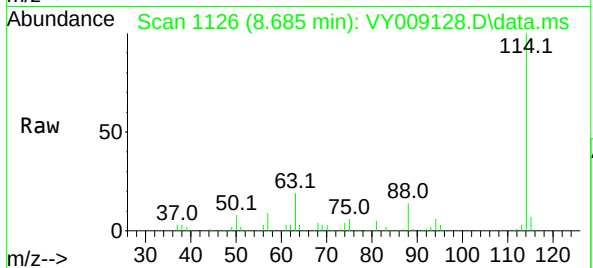
Tgt Ion:114 Resp: 203425

Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

88 13.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.115 ug/l

RT: 7.709 min Scan# 966

Delta R.T. -0.007 min

Lab File: VY009128.D

Acq: 02 Jun 2022 15:28

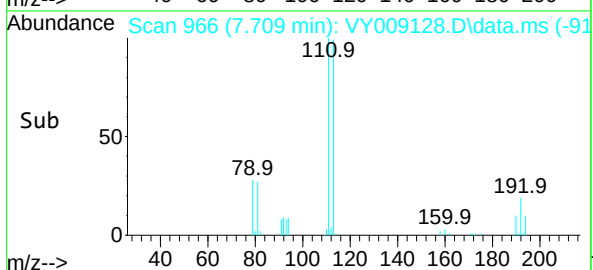
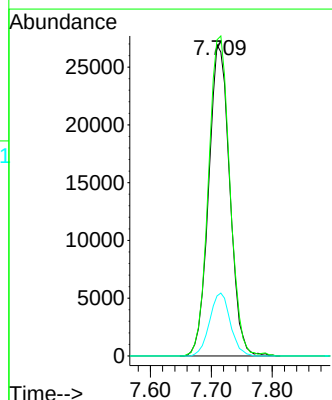
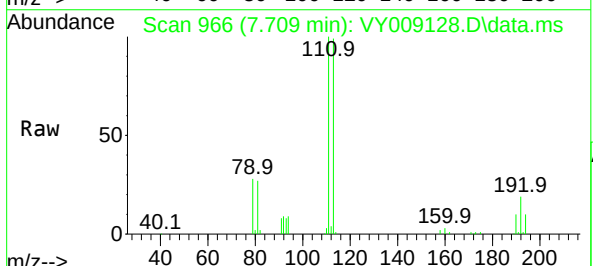
Tgt Ion:113 Resp: 64659

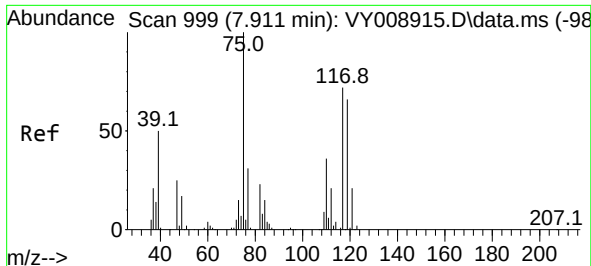
Ion Ratio Lower Upper

113 100

111 104.5 82.6 124.0

192 19.8 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.604 ug/l

RT: 7.782 min Scan# 91

Delta R.T. -0.129 min

Lab File: VY009128.D

Acq: 02 Jun 2022 15:28

Instrument :

MSVOA_Y

ClientSampleId :

COMP-2

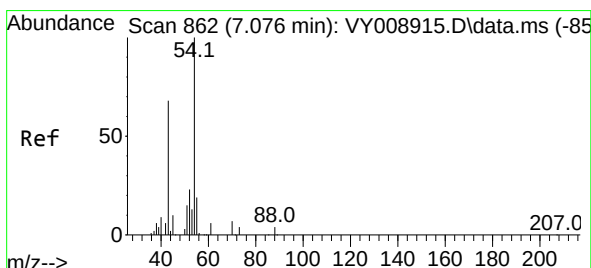
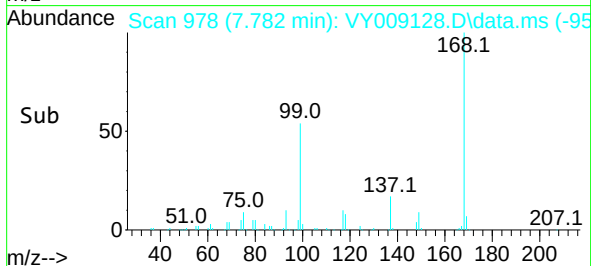
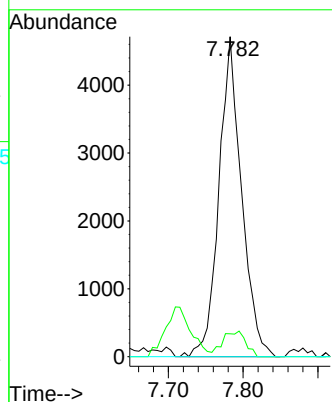
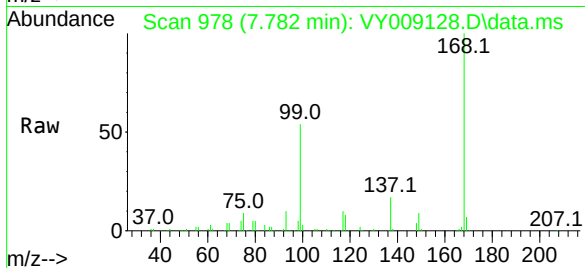
Tgt Ion: 75 Resp: 9912

Ion Ratio Lower Upper

75 100

110 8.1 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.385 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.092 min

Lab File: VY009128.D

Acq: 02 Jun 2022 15:28

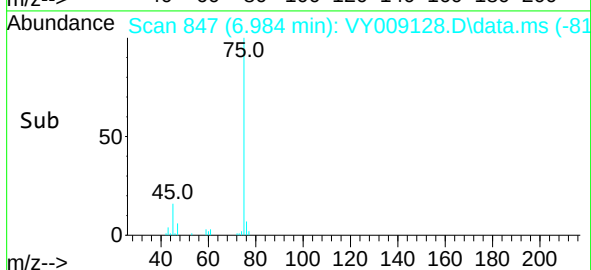
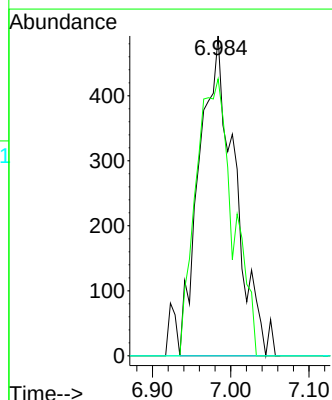
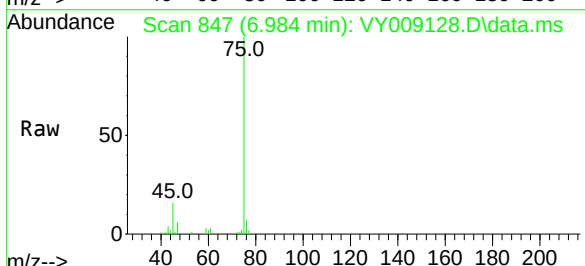
Tgt Ion: 43 Resp: 1547

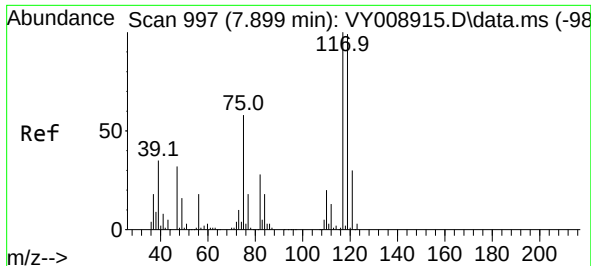
Ion Ratio Lower Upper

43 100

61 90.6 9.7 14.5#

70 0.0 7.1 10.7#

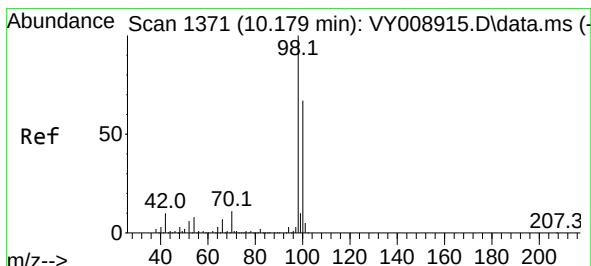
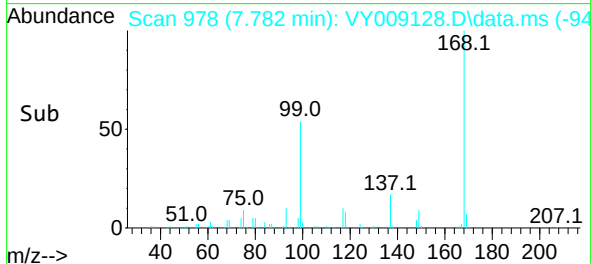
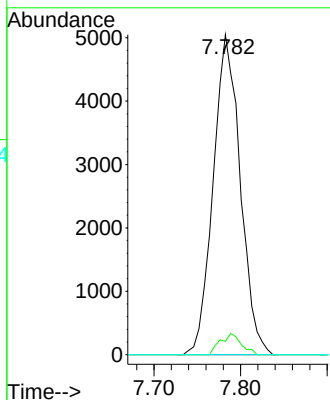
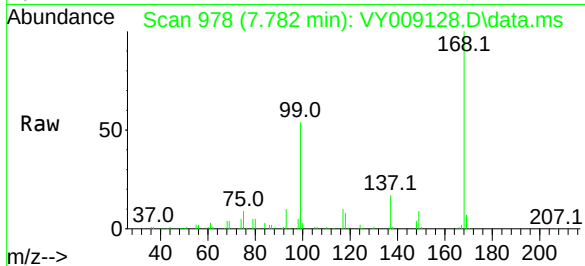




#38
Carbon Tetrachloride
Concen: 4.866 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.117 min
Lab File: VY009128.D
Acq: 02 Jun 2022 15:28

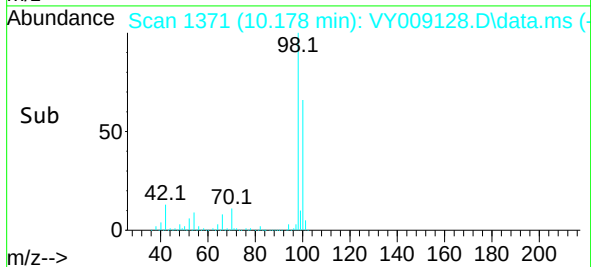
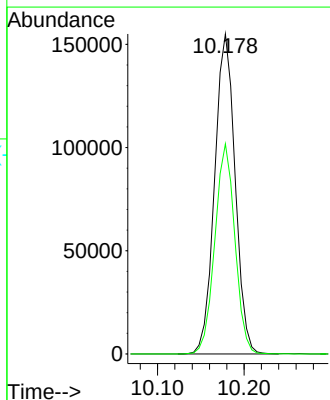
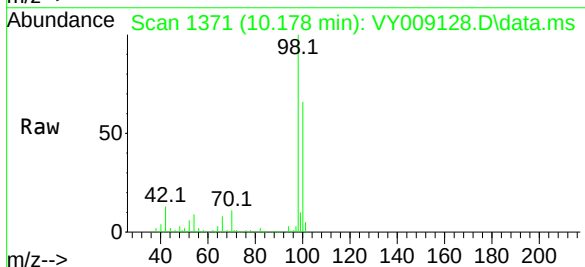
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

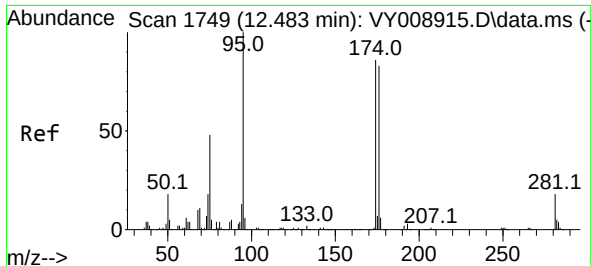
Tgt Ion:117 Resp: 10958
Ion Ratio Lower Upper
117 100
119 4.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.585 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY009128.D
Acq: 02 Jun 2022 15:28

Tgt Ion: 98 Resp: 254731
Ion Ratio Lower Upper
98 100
100 64.2 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 39.656 ug/l

RT: 12.483 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY009128.D

Acq: 02 Jun 2022 15:28

Instrument :

MSVOA_Y

ClientSampleId :

COMP-2

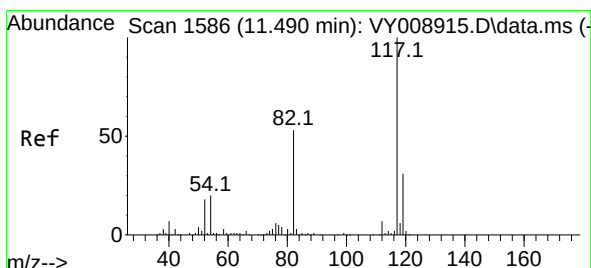
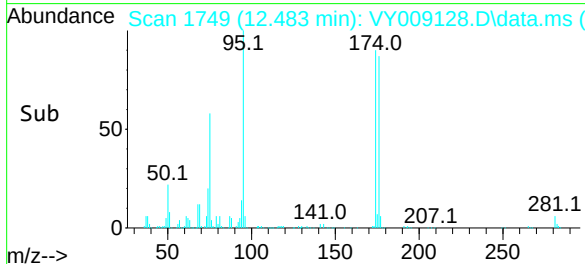
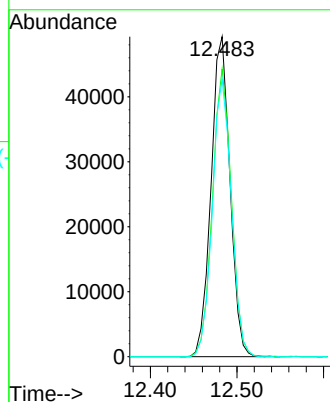
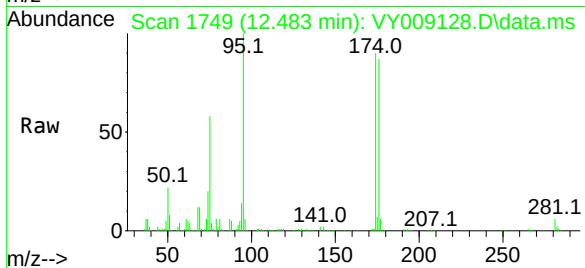
Tgt Ion: 95 Resp: 74653

Ion Ratio Lower Upper

95 100

174 90.4 0.0 177.0

176 87.1 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.001 min

Lab File: VY009128.D

Acq: 02 Jun 2022 15:28

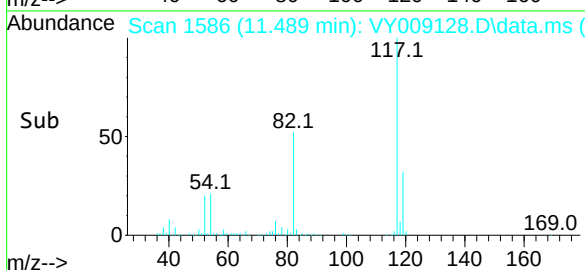
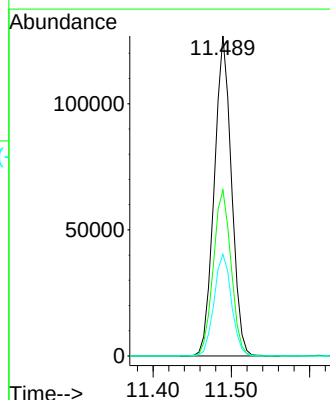
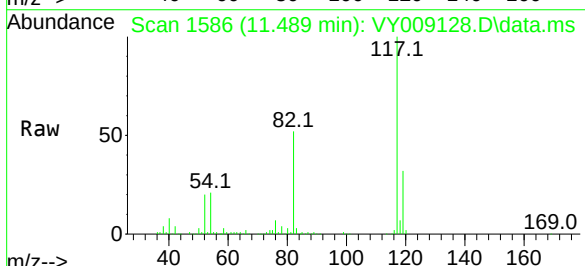
Tgt Ion: 117 Resp: 193985

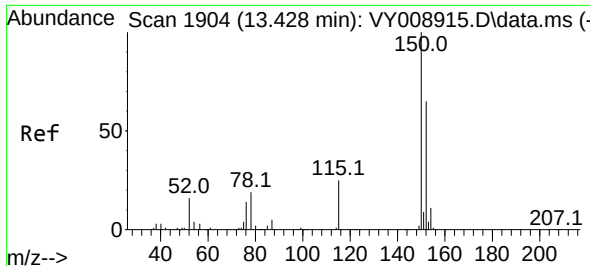
Ion Ratio Lower Upper

117 100

82 51.9 43.0 64.4

119 31.7 25.4 38.0

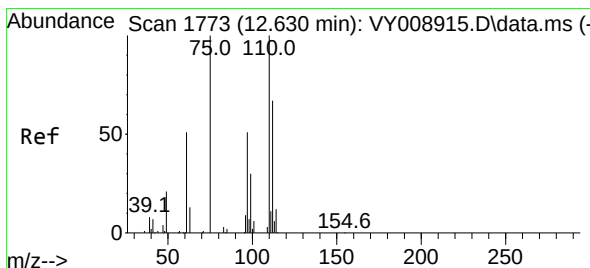
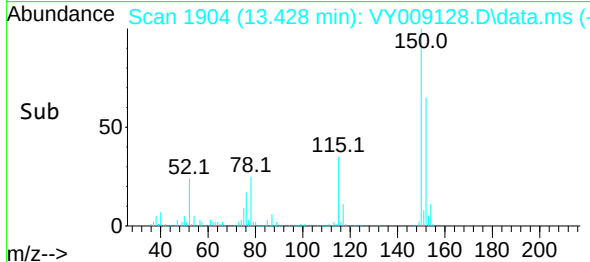
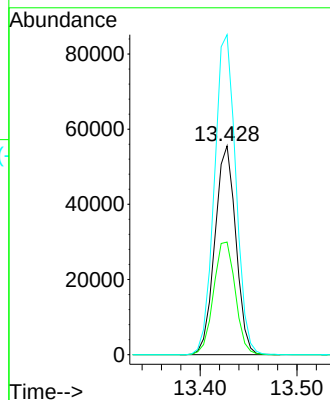
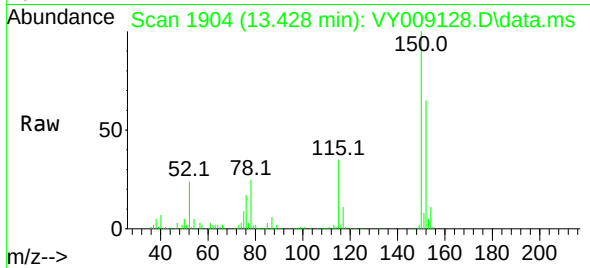




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY009128.D
Acq: 02 Jun 2022 15:28

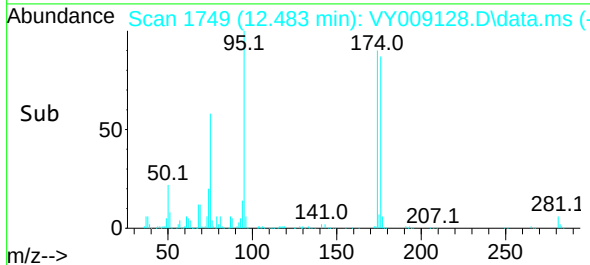
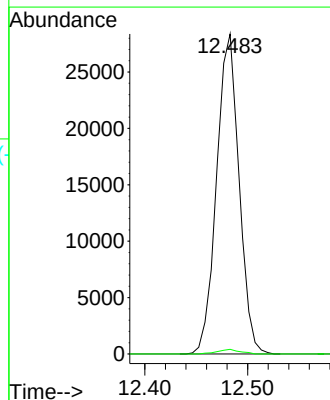
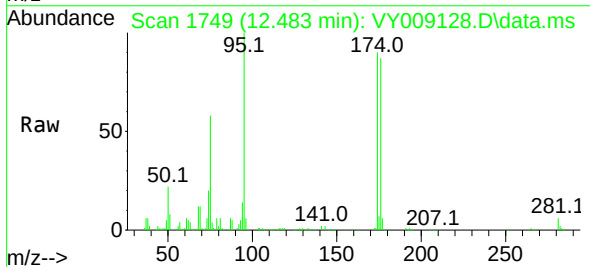
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

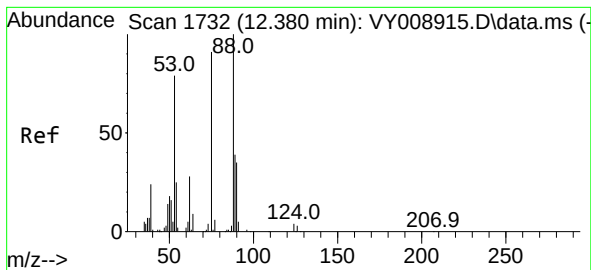
Tgt Ion:152 Resp: 83690
Ion Ratio Lower Upper
152 100
115 56.0 28.2 84.7
150 156.3 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 47.865 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY009128.D
Acq: 02 Jun 2022 15:28

Tgt Ion: 75 Resp: 43018
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.244 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY009128.D
 Acq: 02 Jun 2022 15:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-2

Tgt Ion: 75 Resp: 43018
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.1 37.0 55.4#

