

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010923\
 Data File : VY012113.D
 Acq On : 09 Jan 2023 16:10
 Operator : KP/MD
 Sample : 01064-05
 Misc : 5.29g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-13-02

Quant Time: Jan 10 01:48:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

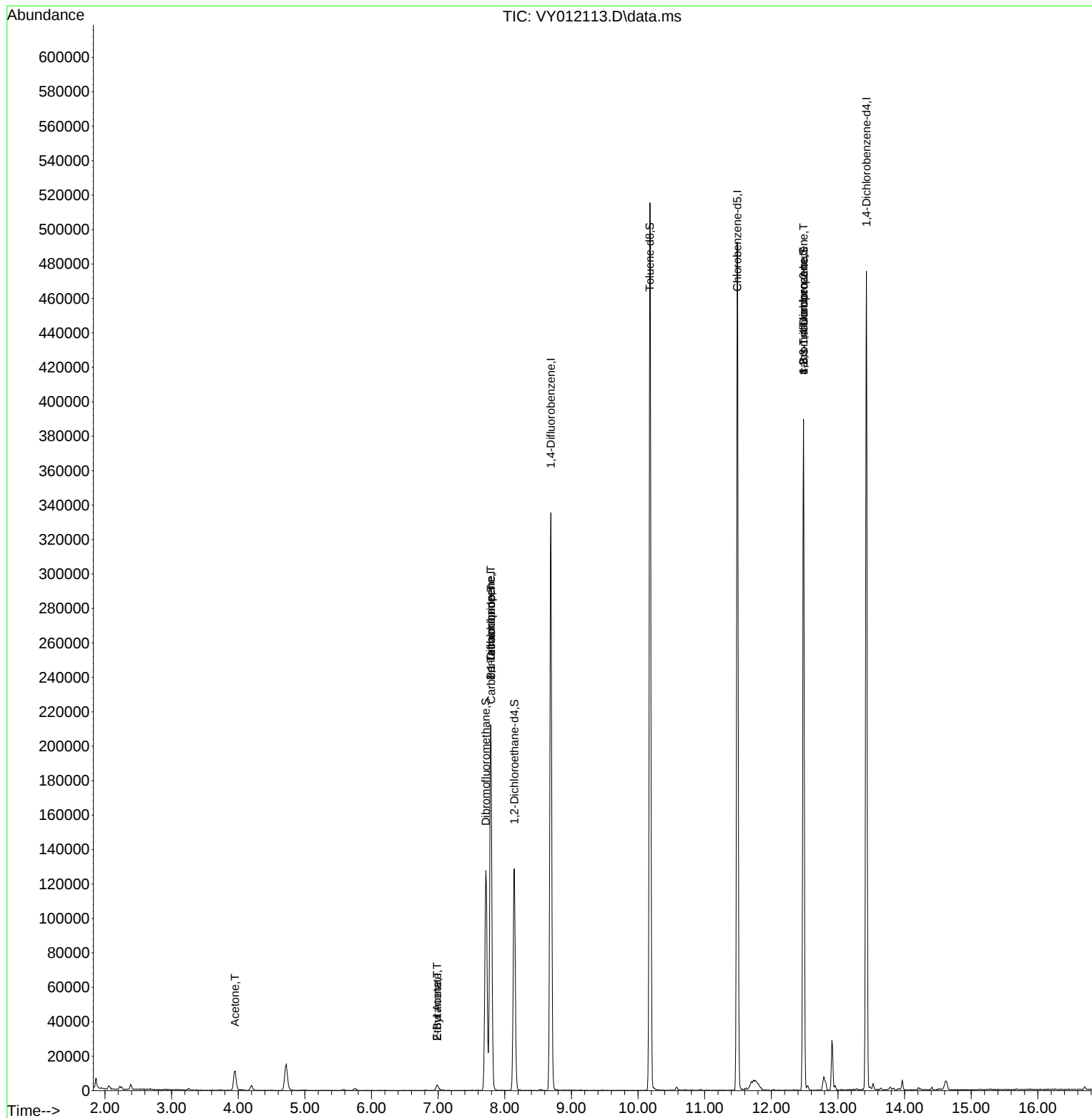
Internal Standards						
1) Pentafluorobenzene	7.789	168	165896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	285268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	270266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	125926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	107789	57.823	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.640%			
35) Dibromofluoromethane	7.716	113	88189	47.034	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.060%			
50) Toluene-d8	10.179	98	342760	46.314	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 92.620%			
62) 4-Bromofluorobenzene	12.483	95	112423	43.459	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.920%			
Target Compounds						
2) Dichlorodifluoromethane	1.900	85	77	Below Cal	#	41
3) Chloromethane	2.125	50	140	Below Cal	#	41
5) Bromomethane	2.668	94	105	Below Cal		99
11) Tert butyl alcohol	4.948	59	244	Below Cal	#	74
13) Acrolein	3.723	56	188	Below Cal	#	14
16) Acetone	3.954	43	20514	46.781	ug/l	97
17) Carbon Disulfide	4.204	76	5425	Below Cal		99
25) 2-Butanone	6.984	43	4839	8.364	ug/l	97
31) Cyclohexane	7.795	56	3191	Below Cal	#	22
36) 1,1-Dichloropropene	7.789	75	11472	4.033	ug/l	# 50
37) Ethyl Acetate	6.984	43	4839	3.177	ug/l	# 68
38) Carbon Tetrachloride	7.795	117	16855	4.668	ug/l	# 17
76) 1,2,3-Trichloropropane	12.483	75	60825	42.304	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	60825	93.950	ug/l	# 13

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

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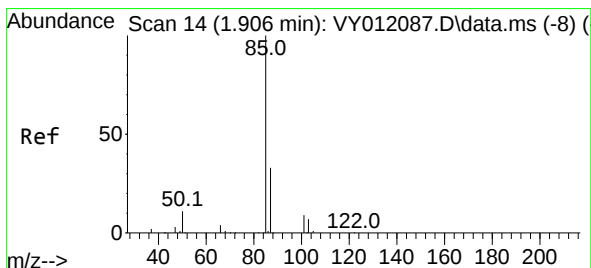
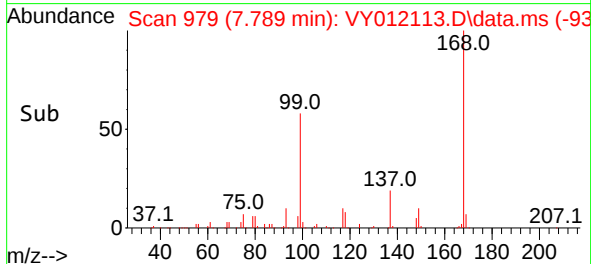
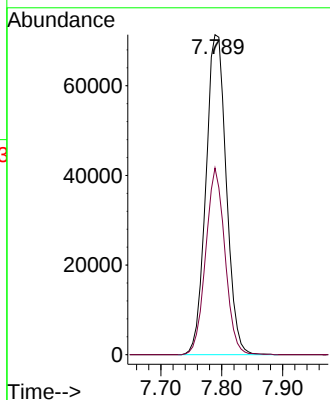
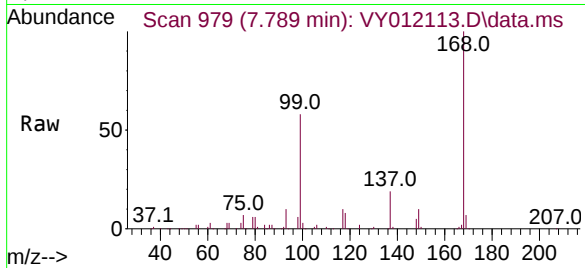




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012113.D
Acq: 09 Jan 2023 16:10

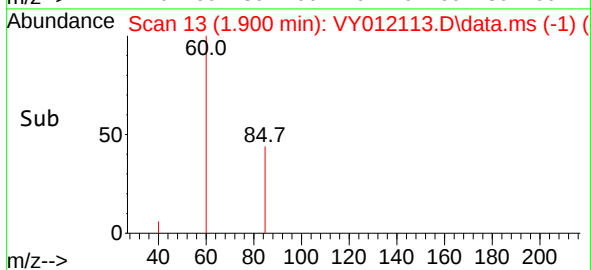
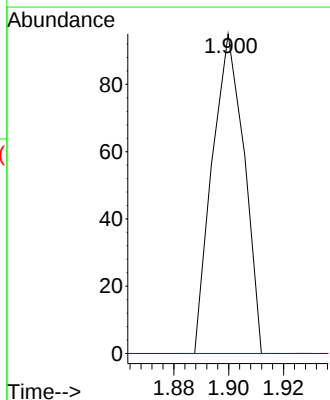
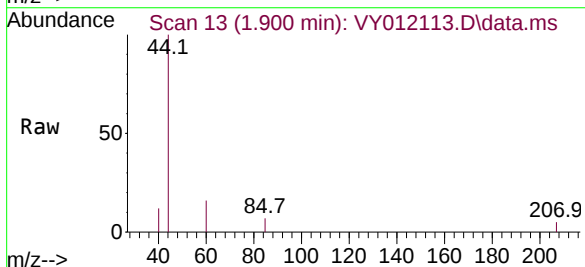
Instrument :
MSVOA_Y
ClientSampleId :
S-13-02

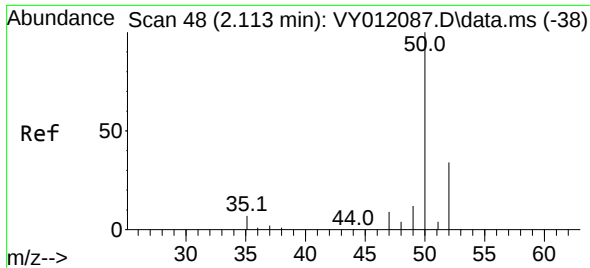
Tgt Ion:168 Resp: 165896
Ion Ratio Lower Upper
168 100
99 58.4 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012113.D
Acq: 09 Jan 2023 16:10

Tgt Ion: 85 Resp: 77
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

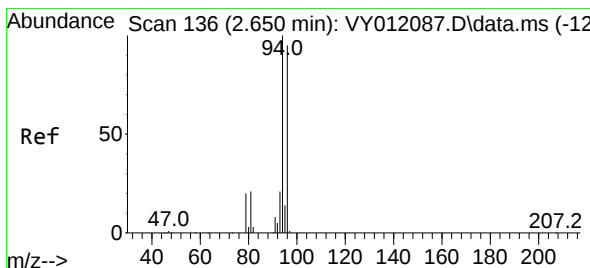
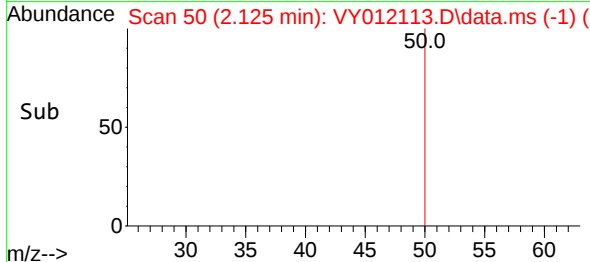
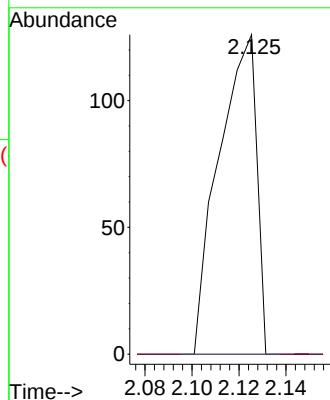
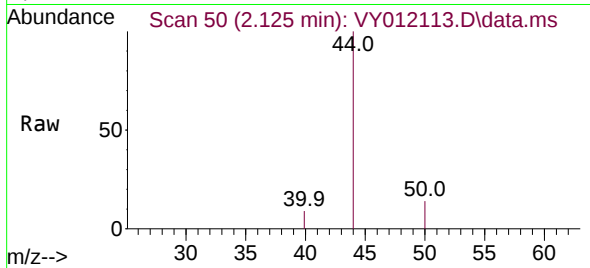




#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY012113.D
Acq: 09 Jan 2023 16:10

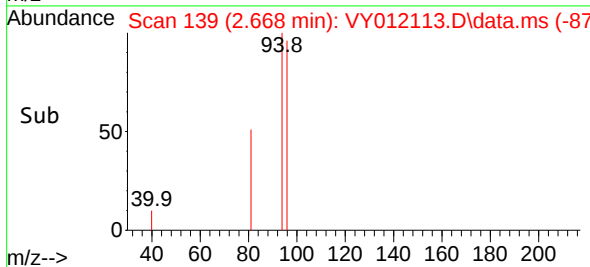
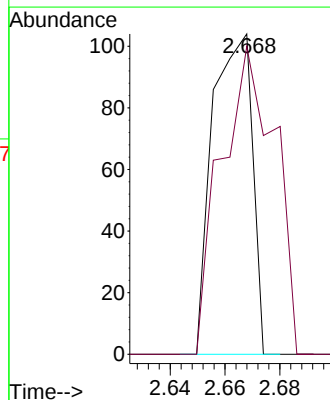
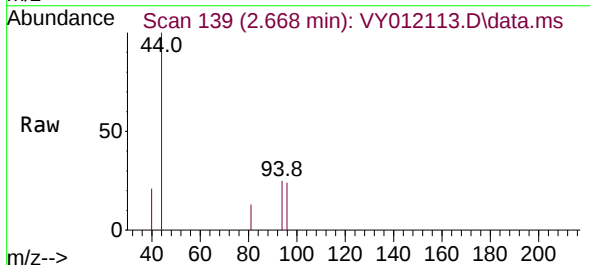
Instrument :
MSVOA_Y
ClientSampleId :
S-13-02

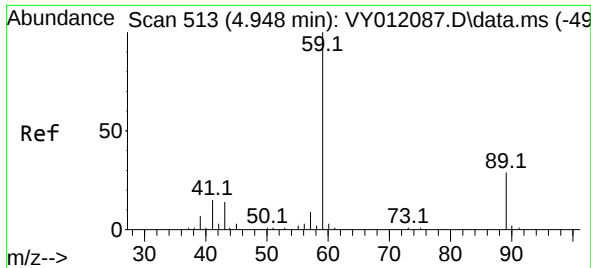
Tgt Ion: 50 Resp: 140
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.018 min
Lab File: VY012113.D
Acq: 09 Jan 2023 16:10

Tgt Ion: 94 Resp: 105
Ion Ratio Lower Upper
94 100
96 96.2 77.4 116.2

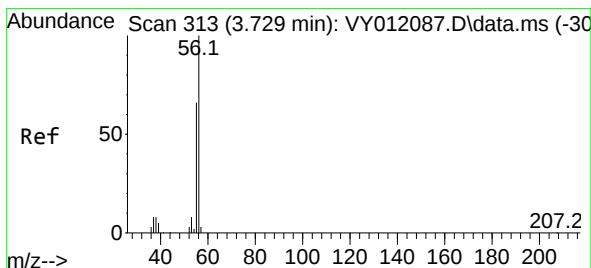
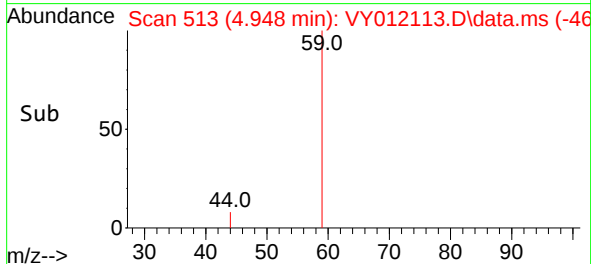
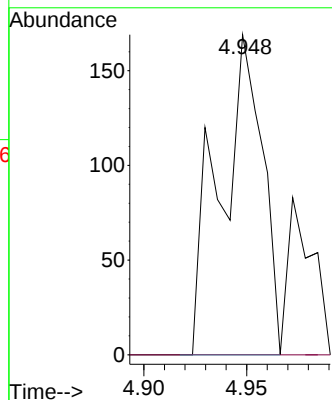
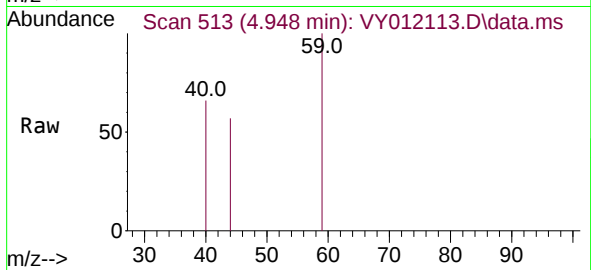




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY012113.D
Acq: 09 Jan 2023 16:10

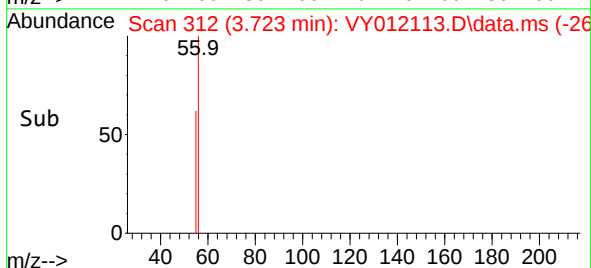
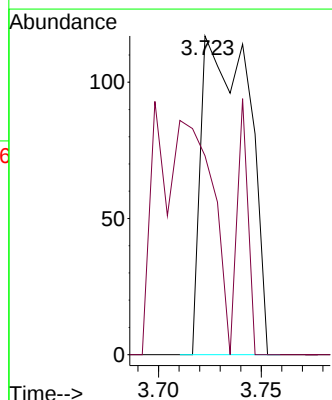
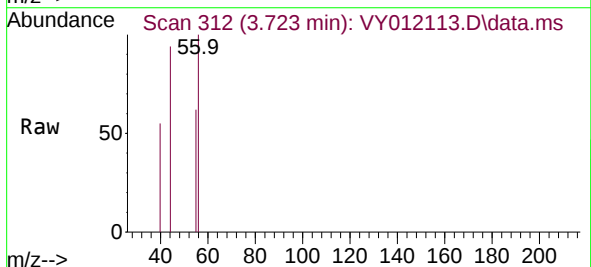
Instrument :
MSVOA_Y
ClientSampleId :
S-13-02

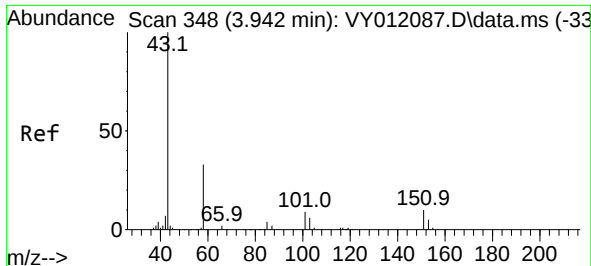
Tgt Ion: 59 Resp: 244
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#13
Acrolein
Concen: Below Cal
RT: 3.723 min Scan# 312
Delta R.T. -0.006 min
Lab File: VY012113.D
Acq: 09 Jan 2023 16:10

Tgt Ion: 56 Resp: 188
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#

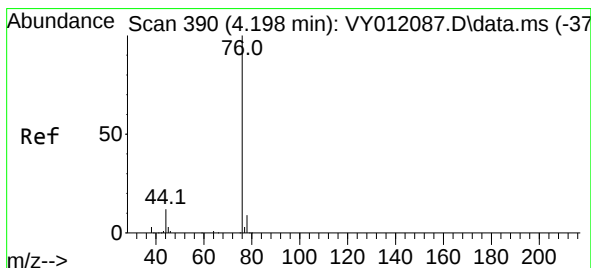
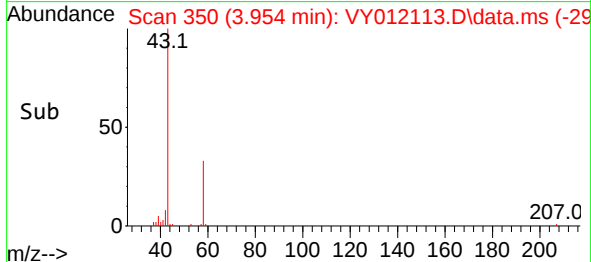
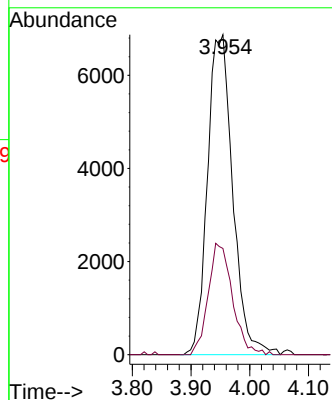
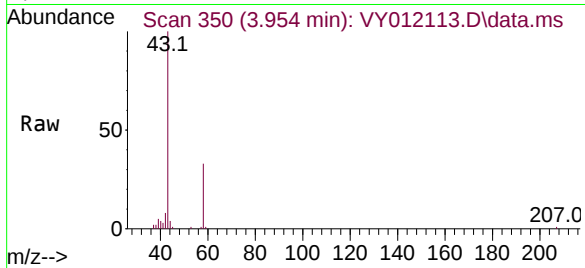




#16
Acetone
Concen: 46.781 ug/l
RT: 3.954 min Scan# 311
Delta R.T. 0.012 min
Lab File: VY012113.D
Acq: 09 Jan 2023 16:10

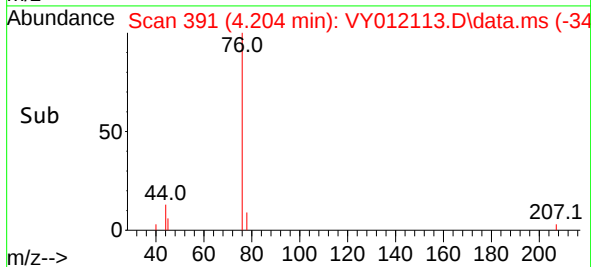
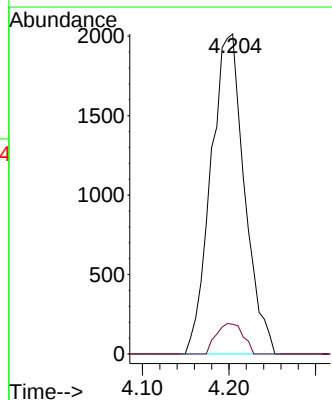
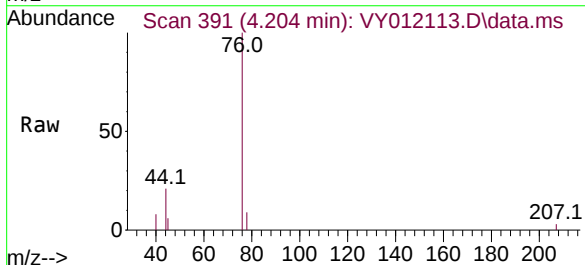
Instrument :
MSVOA_Y
ClientSampleId :
S-13-02

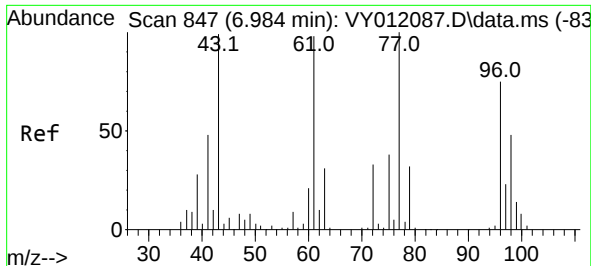
Tgt Ion: 43 Resp: 20514
Ion Ratio Lower Upper
43 100
58 33.2 27.9 41.9



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.204 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY012113.D
Acq: 09 Jan 2023 16:10

Tgt Ion: 76 Resp: 5425
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8





#25

2-Butanone

Concen: 8.364 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012113.D

Acq: 09 Jan 2023 16:10

Instrument :

MSVOA_Y

ClientSampleId :

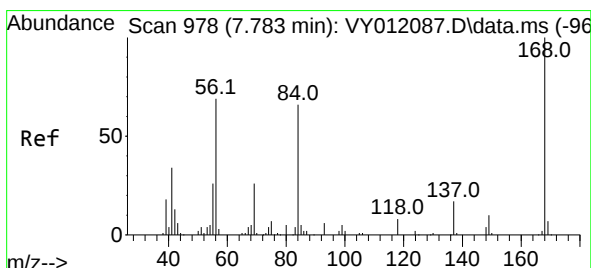
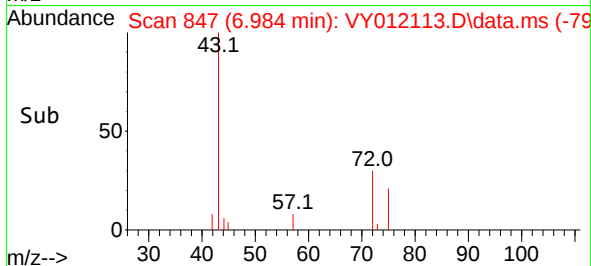
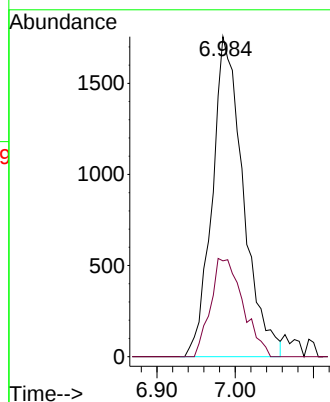
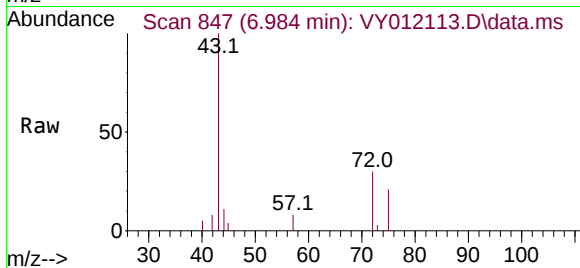
S-13-02

Tgt Ion: 43 Resp: 4839

Ion Ratio Lower Upper

43 100

72 30.0 22.6 34.0



#31

Cyclohexane

Concen: Below Cal

RT: 7.795 min Scan# 980

Delta R.T. 0.012 min

Lab File: VY012113.D

Acq: 09 Jan 2023 16:10

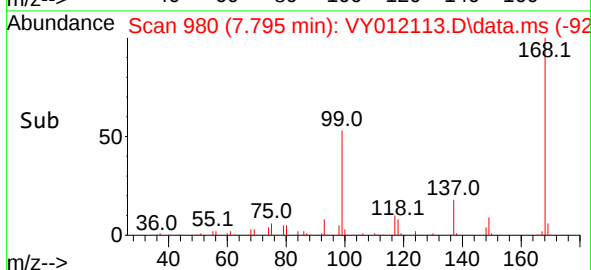
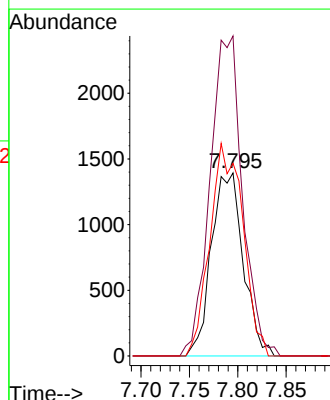
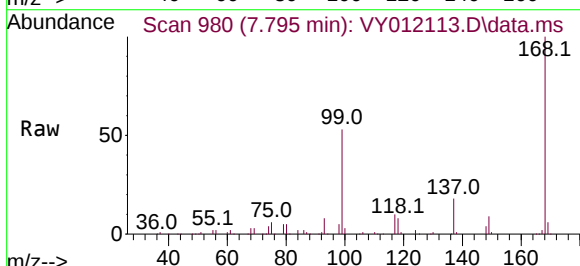
Tgt Ion: 56 Resp: 3191

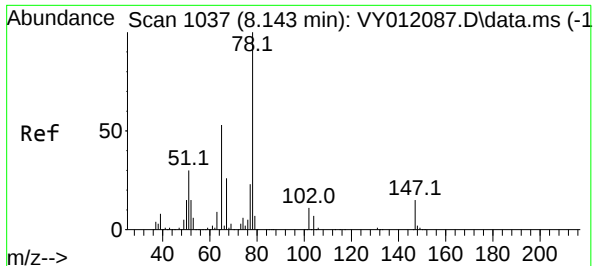
Ion Ratio Lower Upper

56 100

69 174.7 29.2 43.8#

84 105.2 72.6 108.8





#33

1,2-Dichloroethane-d4

Concen: 57.823 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY012113.D

Acq: 09 Jan 2023 16:10

Instrument :

MSVOA_Y

ClientSampleId :

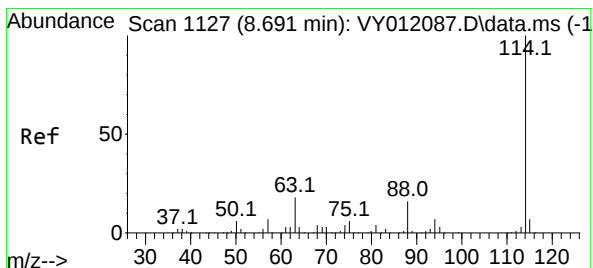
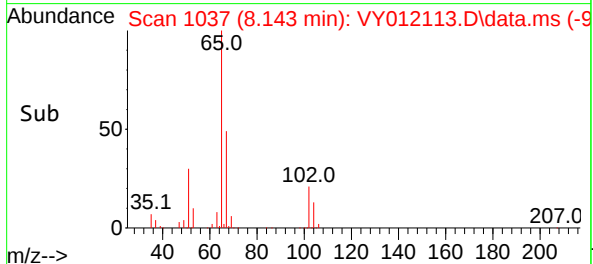
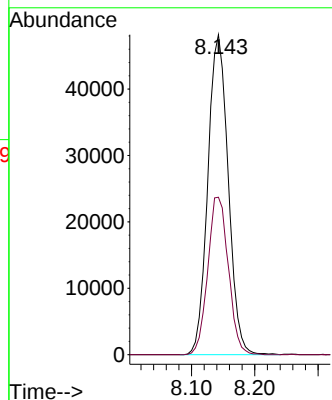
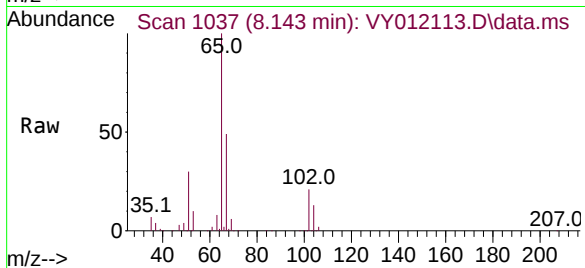
S-13-02

Tgt Ion: 65 Resp: 107789

Ion Ratio Lower Upper

65 100

67 49.8 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012113.D

Acq: 09 Jan 2023 16:10

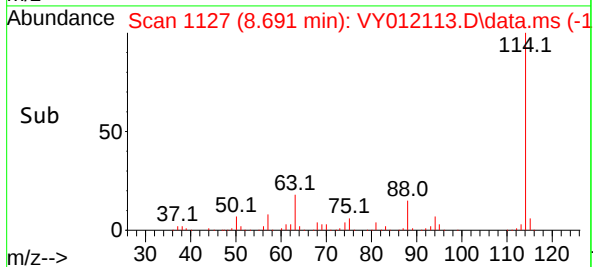
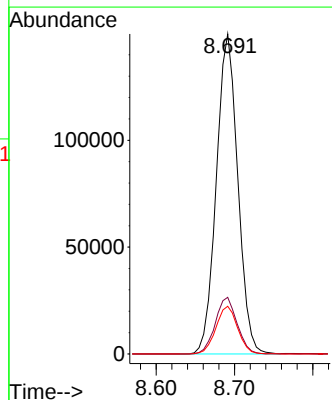
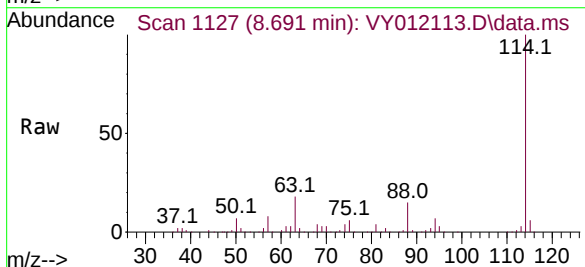
Tgt Ion:114 Resp: 285268

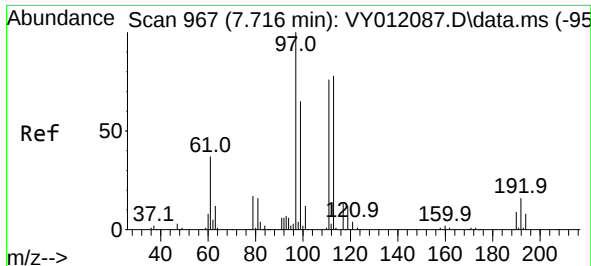
Ion Ratio Lower Upper

114 100

63 17.7 0.0 39.6

88 14.9 0.0 32.2

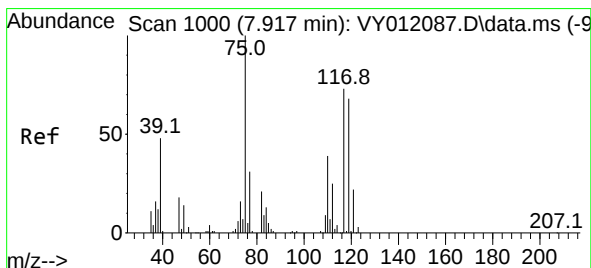
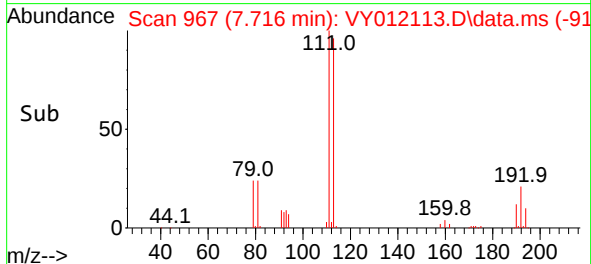
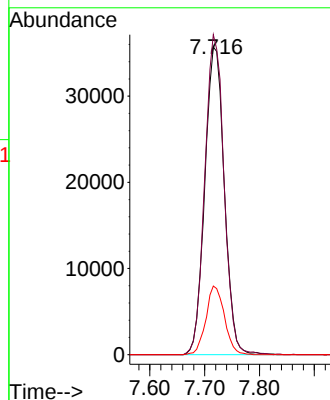
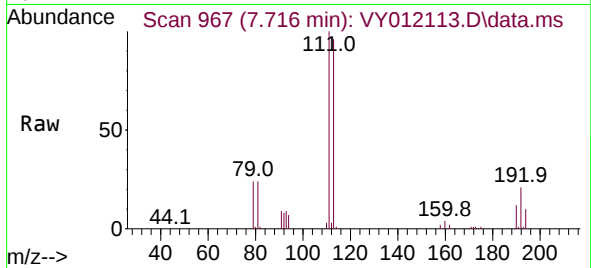




#35
Dibromofluoromethane
Concen: 47.034 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY012113.D
Acq: 09 Jan 2023 16:10

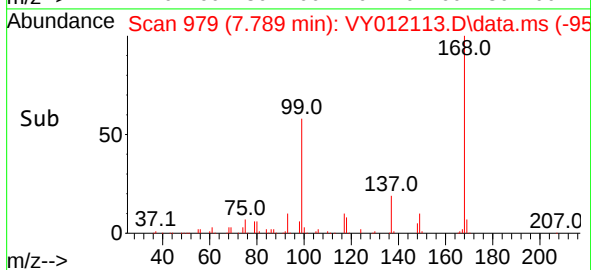
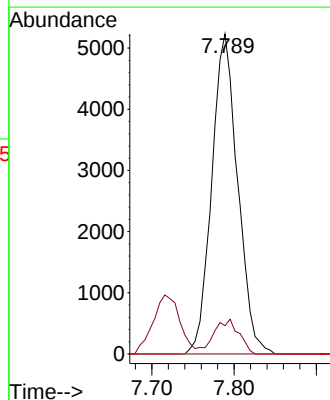
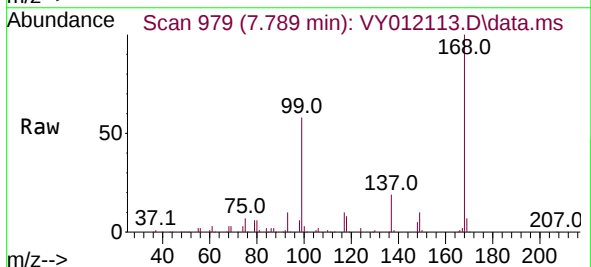
Instrument :
MSVOA_Y
ClientSampleId :
S-13-02

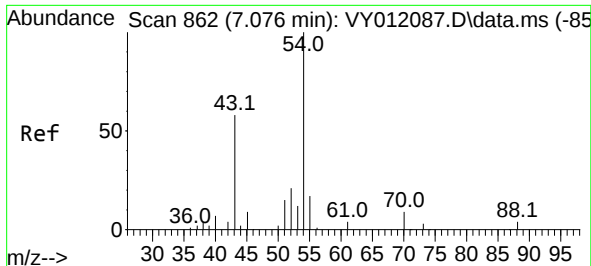
Tgt Ion:113 Resp: 88189
Ion Ratio Lower Upper
113 100
111 102.5 83.0 124.4
192 21.2 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.033 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012113.D
Acq: 09 Jan 2023 16:10

Tgt Ion: 75 Resp: 11472
Ion Ratio Lower Upper
75 100
110 9.9 18.1 54.1#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 3.177 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY012113.D

Acq: 09 Jan 2023 16:10

Instrument :

MSVOA_Y

ClientSampleId :

S-13-02

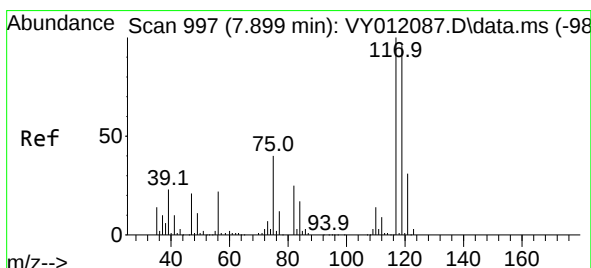
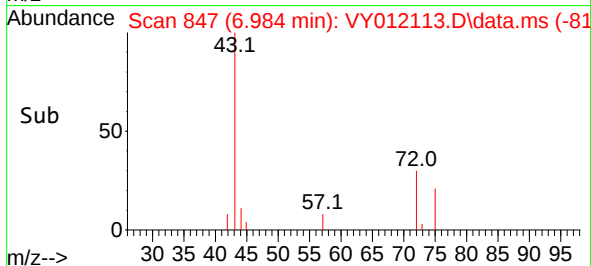
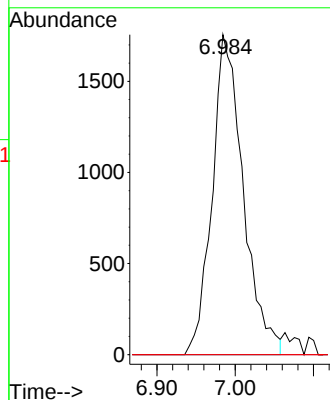
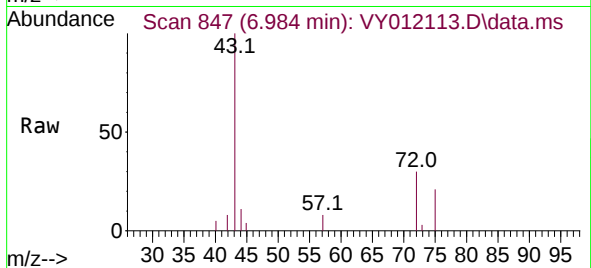
Tgt Ion: 43 Resp: 4839

Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

70 0.0 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 4.668 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY012113.D

Acq: 09 Jan 2023 16:10

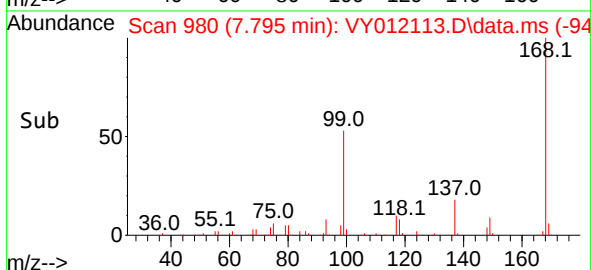
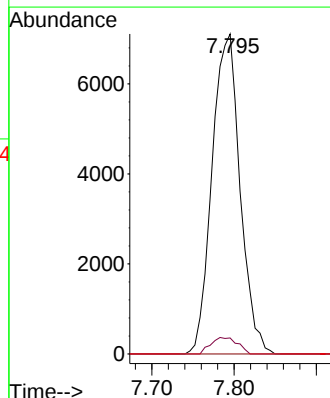
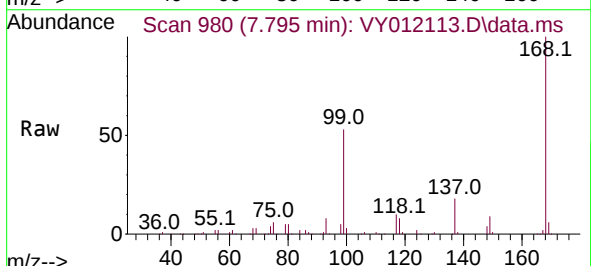
Tgt Ion: 117 Resp: 16855

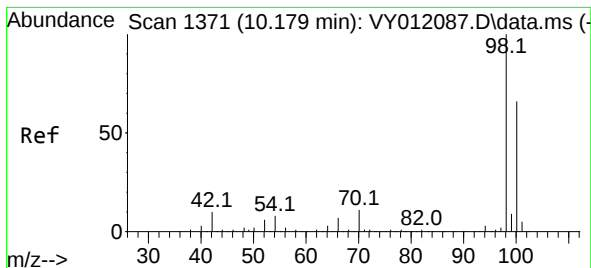
Ion Ratio Lower Upper

117 100

119 5.0 73.8 110.8#

121 0.0 25.2 37.8#





#50

Toluene-d8

Concen: 46.314 ug/l

RT: 10.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012113.D

Acq: 09 Jan 2023 16:10

Instrument :

MSVOA_Y

ClientSampleId :

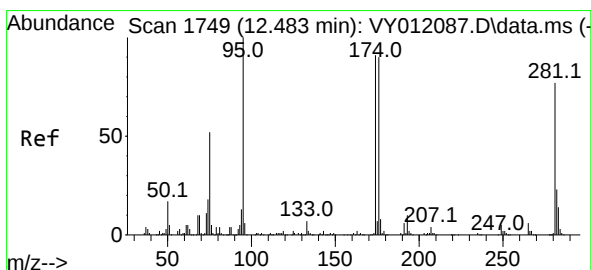
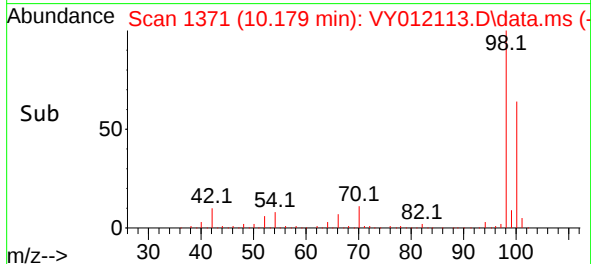
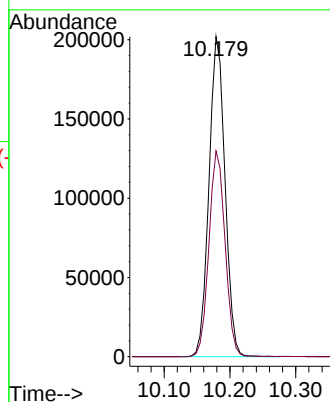
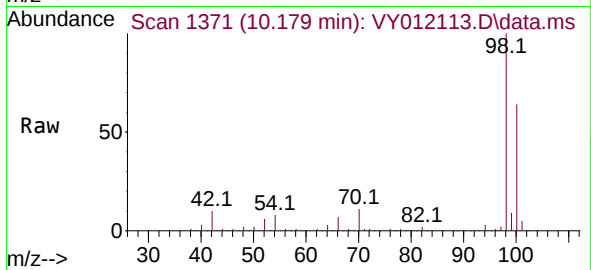
S-13-02

Tgt Ion: 98 Resp: 342760

Ion Ratio Lower Upper

98 100

100 64.7 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 43.459 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012113.D

Acq: 09 Jan 2023 16:10

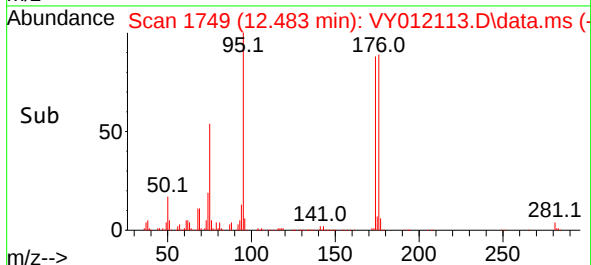
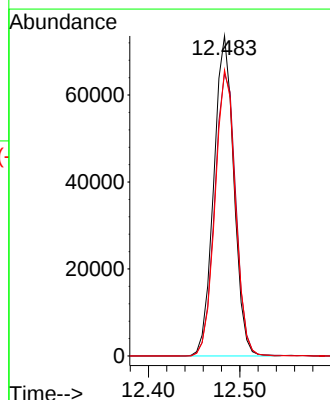
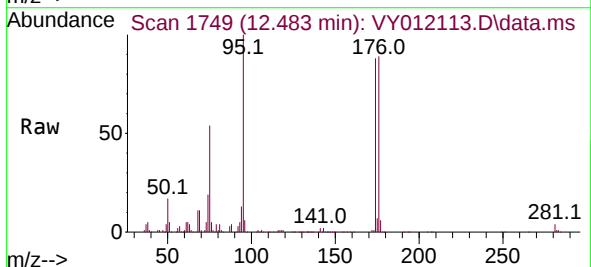
Tgt Ion: 95 Resp: 112423

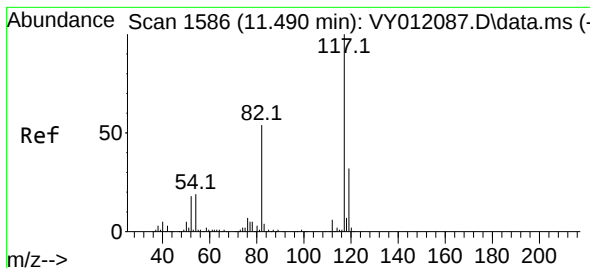
Ion Ratio Lower Upper

95 100

174 92.7 0.0 172.0

176 90.1 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY012113.D

Acq: 09 Jan 2023 16:10

Instrument :

MSVOA_Y

ClientSampleId :

S-13-02

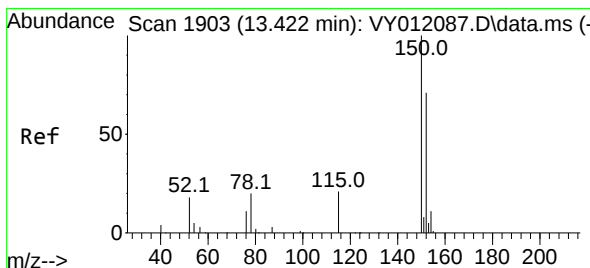
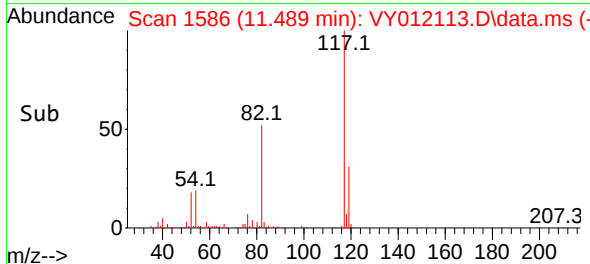
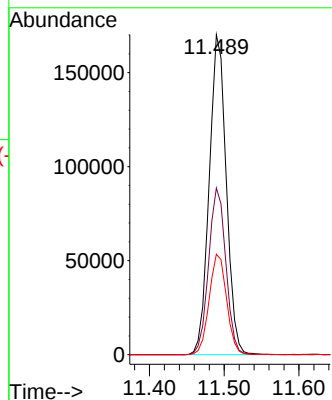
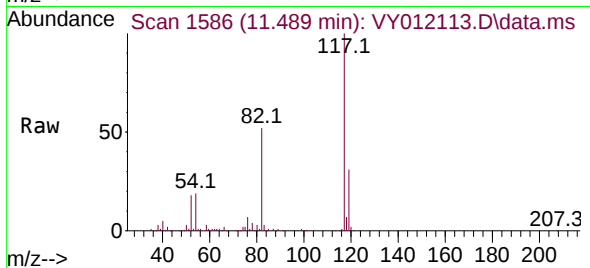
Tgt Ion:117 Resp: 270266

Ion Ratio Lower Upper

117 100

82 52.1 44.8 67.2

119 31.4 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012113.D

Acq: 09 Jan 2023 16:10

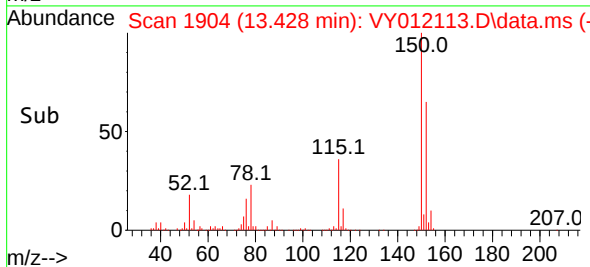
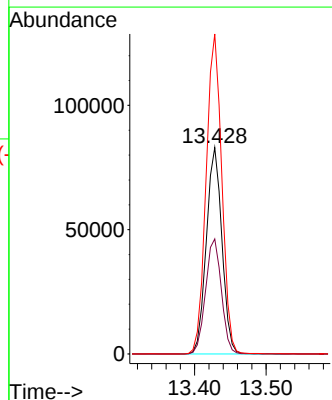
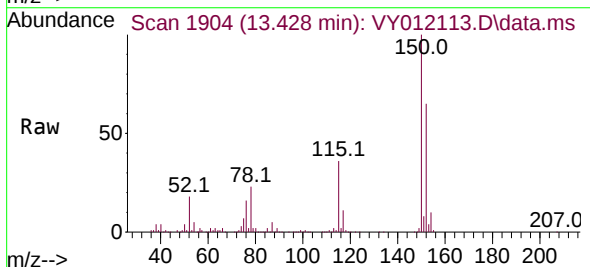
Tgt Ion:152 Resp: 125926

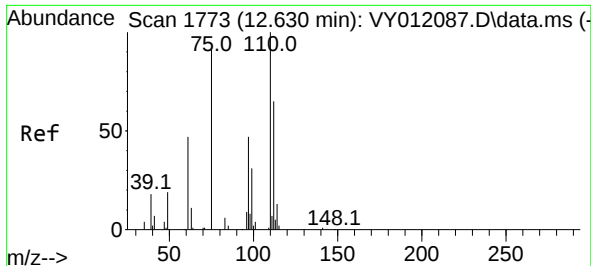
Ion Ratio Lower Upper

152 100

115 56.5 29.1 87.3

150 155.6 0.0 342.6

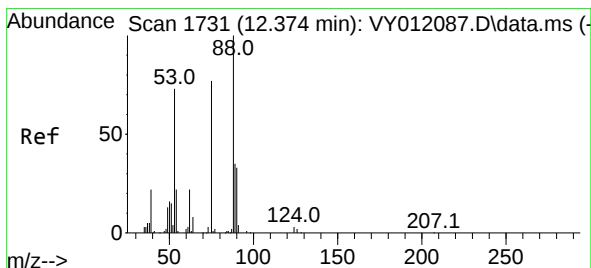
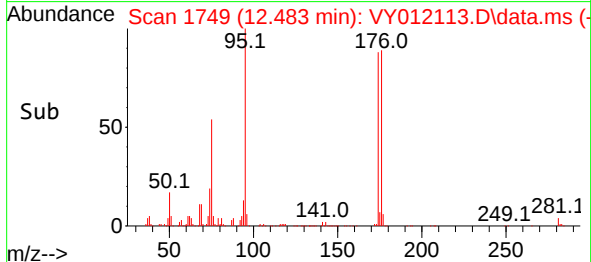
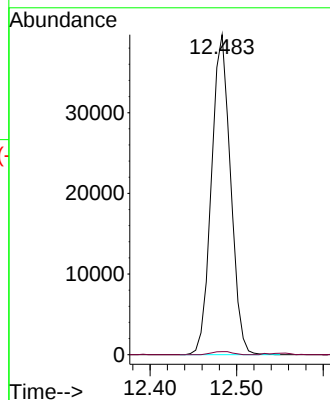
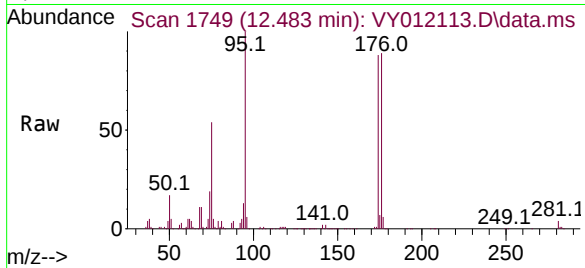




#76
1,2,3-Trichloropropane
Concen: 42.304 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012113.D
Acq: 09 Jan 2023 16:10

Instrument :
MSVOA_Y
ClientSampleId :
S-13-02

Tgt Ion: 75 Resp: 60825
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.950 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012113.D
Acq: 09 Jan 2023 16:10

Tgt Ion: 75 Resp: 60825
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#

