

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010923\
 Data File : VY012104.D
 Acq On : 09 Jan 2023 12:35
 Operator : KP/MD
 Sample : VY0109SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0109SBL01

Quant Time: Jan 10 01:44:37 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)

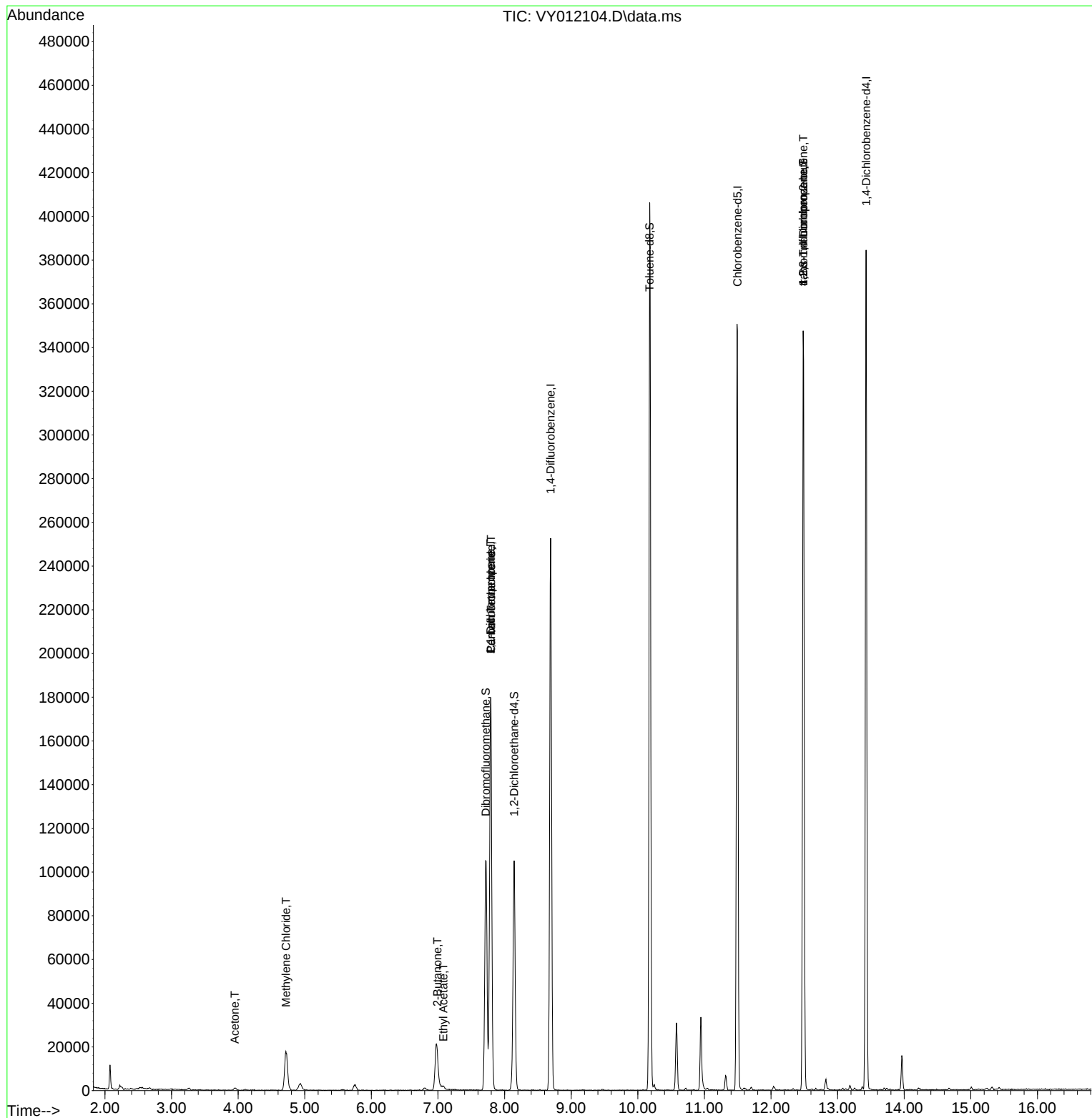
Internal Standards						
1) Pentafluorobenzene	7.795	168	142880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	223054	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	201920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	99484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	84370	52.551	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.100%			
35) Dibromofluoromethane	7.715	113	72669	49.566	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.140%			
50) Toluene-d8	10.178	98	270473	46.740	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.480%			
62) 4-Bromofluorobenzene	12.483	95	91117	45.047	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 90.100%			
Target Compounds						
2) Dichlorodifluoromethane	1.912	85	25	Below Cal	#	41
3) Chloromethane	2.113	50	156	Below Cal	#	41
5) Bromomethane	2.668	94	236	Below Cal		95
11) Tert butyl alcohol	4.923	59	3208	Below Cal	#	74
16) Acetone	3.948	43	1935	5.123	ug/l	92
20) Methylene Chloride	4.716	84	14809	3.809	ug/l	85
25) 2-Butanone	6.990	43	2010	4.034	ug/l	# 80
31) Cyclohexane	7.795	56	2848	Below Cal	#	38
36) 1,1-Dichloropropene	7.789	75	10152	4.564	ug/l	# 51
37) Ethyl Acetate	7.081	43	1553	1.304	ug/l	# 93
38) Carbon Tetrachloride	7.795	117	14141	5.009	ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	49817	43.857	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	49817	97.399	ug/l	# 13

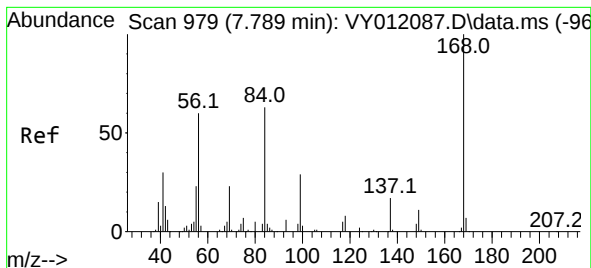
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.795 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY012104.D

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Instrument :

MSVOA_Y

ClientSampleId :

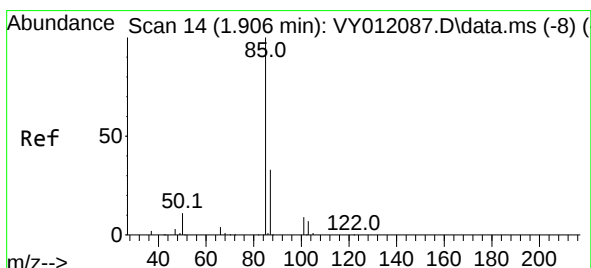
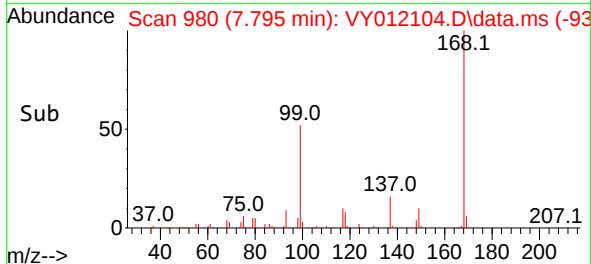
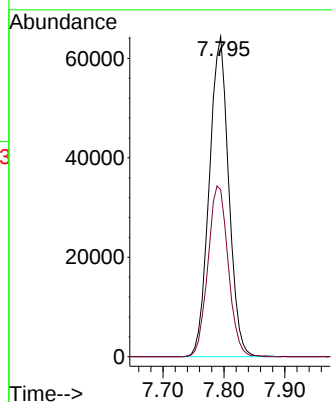
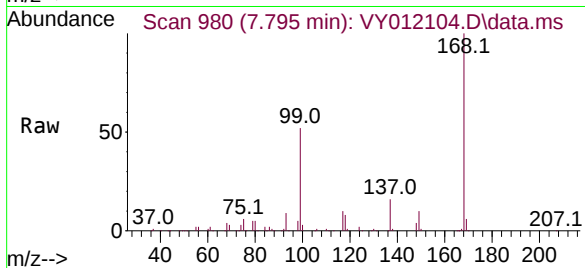
VY0109SBL01

Tgt Ion:168 Resp: 142880

Ion Ratio Lower Upper

168 100

99 52.2 44.0 66.0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.912 min Scan# 15

Delta R.T. 0.006 min

Lab File: VY012104.D

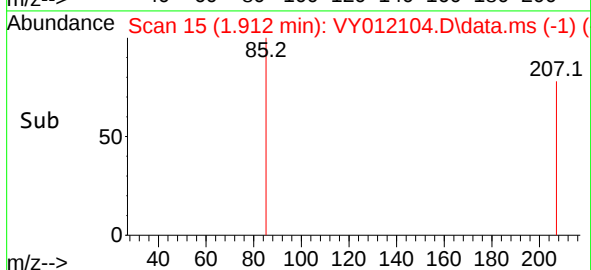
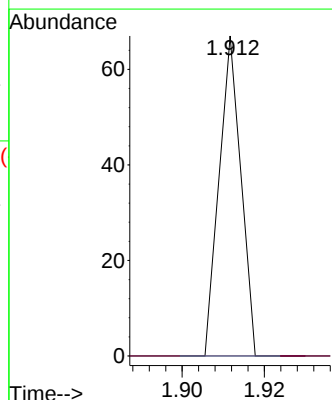
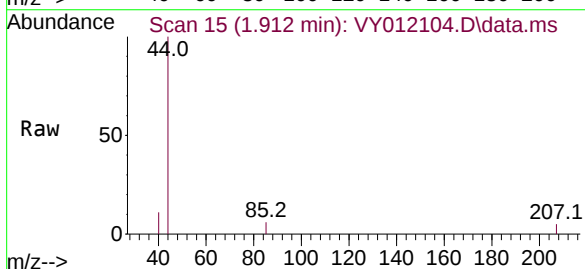
Acq: 09 Jan 2023 12:35

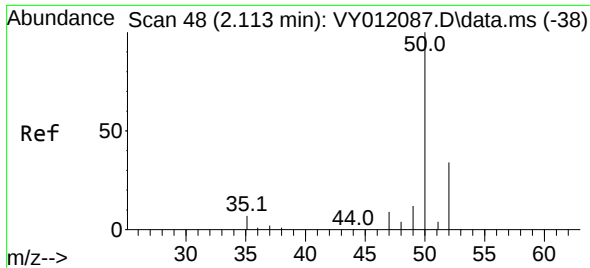
Tgt Ion: 85 Resp: 25

Ion Ratio Lower Upper

85 100

87 0.0 16.8 50.4#

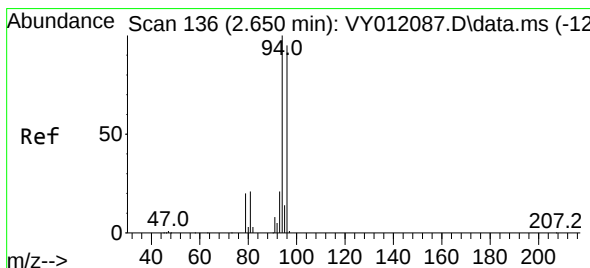
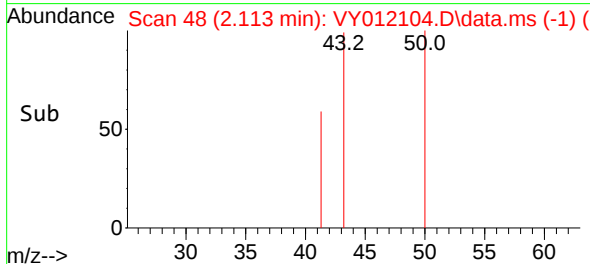
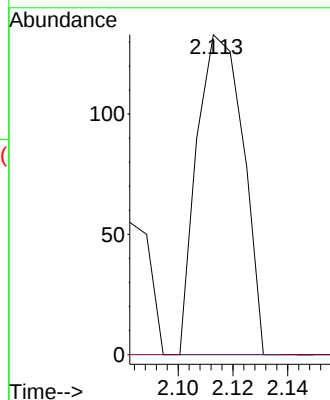
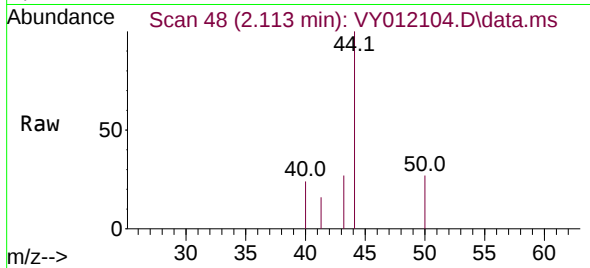




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY012104.D
Acq: 09 Jan 2023 12:35

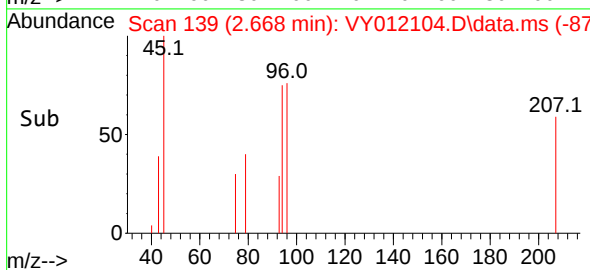
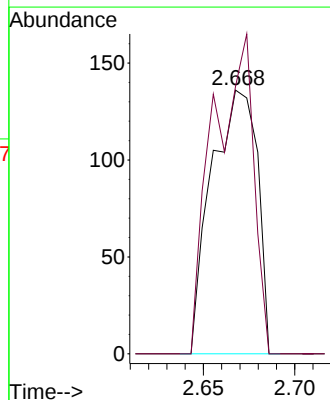
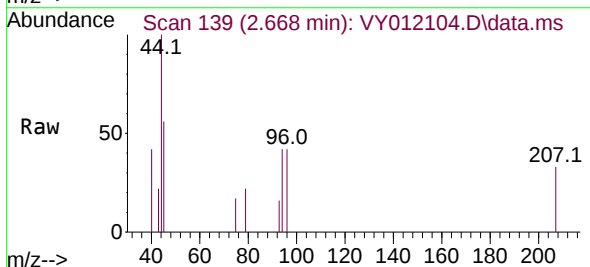
Instrument :
MSVOA_Y
ClientSampleId :
VY0109SBL01

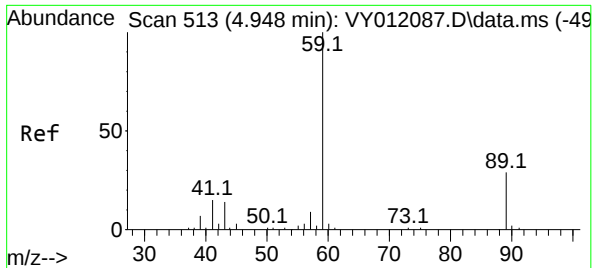
Tgt Ion: 50 Resp: 156
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.018 min
Lab File: VY012104.D
Acq: 09 Jan 2023 12:35

Tgt Ion: 94 Resp: 236
Ion Ratio Lower Upper
94 100
96 101.5 77.4 116.2

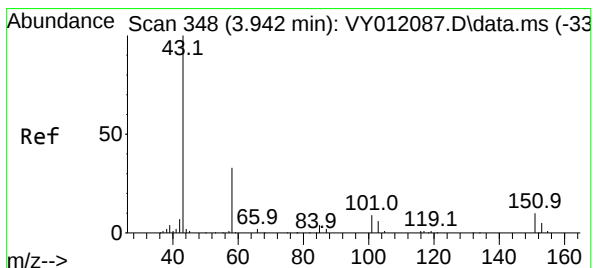
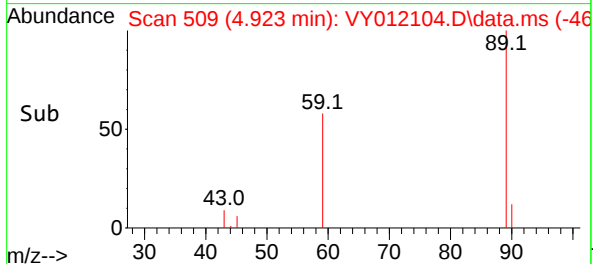
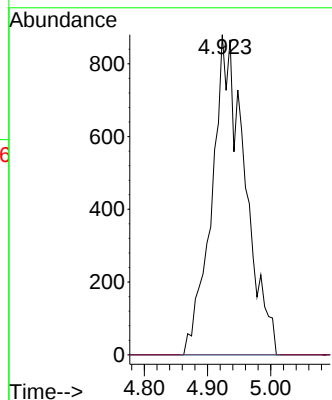
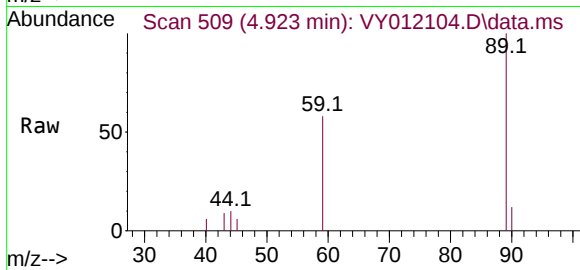




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.923 min Scan# 50
Delta R.T. -0.025 min
Lab File: VY012104.D
Acq: 09 Jan 2023 12:35

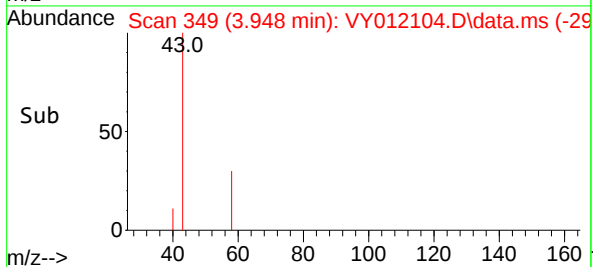
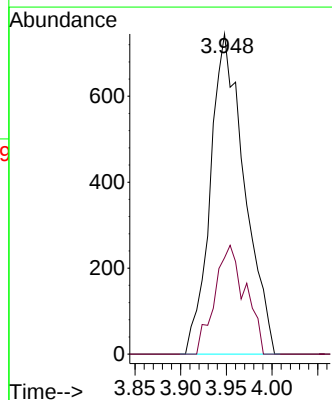
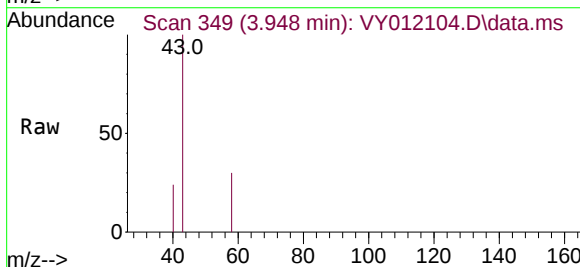
Instrument :
MSVOA_Y
ClientSampleId :
VY0109SBL01

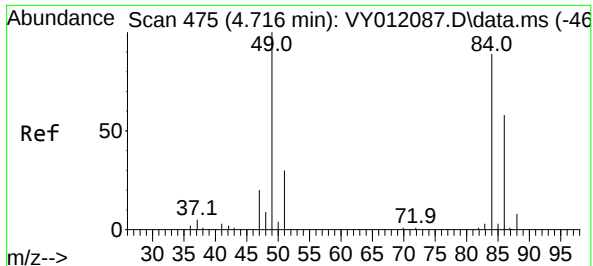
Tgt Ion: 59 Resp: 3208
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 5.123 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY012104.D
Acq: 09 Jan 2023 12:35

Tgt Ion: 43 Resp: 1935
Ion Ratio Lower Upper
43 100
58 30.1 27.9 41.9





#20

Methylene Chloride

Concen: 3.809 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY012104.D

Acq: 09 Jan 2023 12:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0109SBL01

Tgt Ion: 84 Resp: 14809

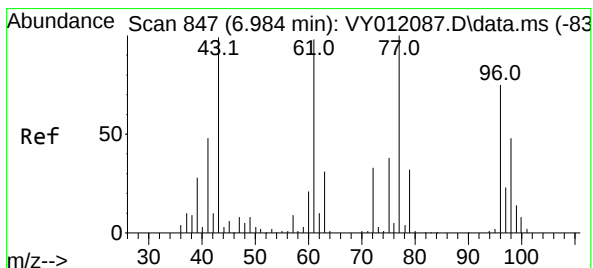
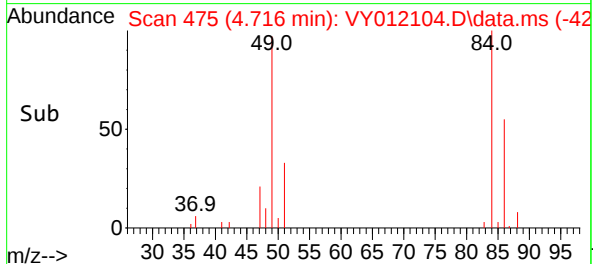
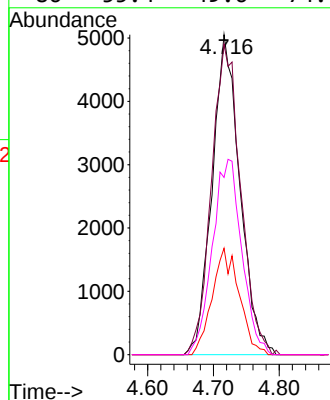
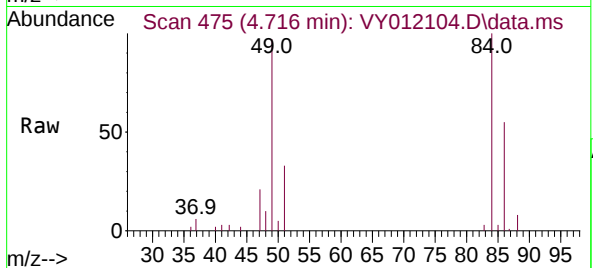
Ion Ratio Lower Upper

84 100

49 97.0 95.4 143.2

51 33.2 29.9 44.9

86 55.4 49.6 74.4



#25

2-Butanone

Concen: 4.034 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY012104.D

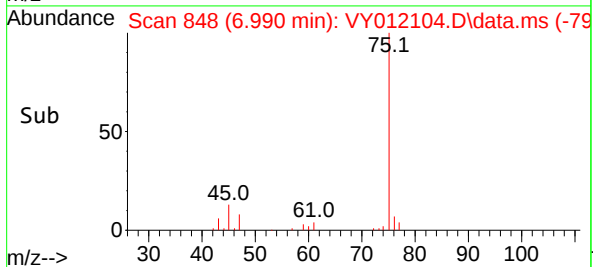
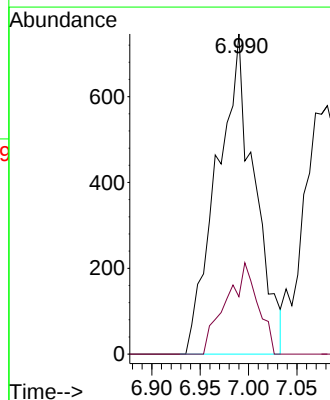
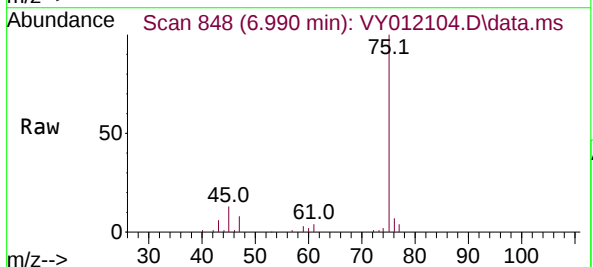
Acq: 09 Jan 2023 12:35

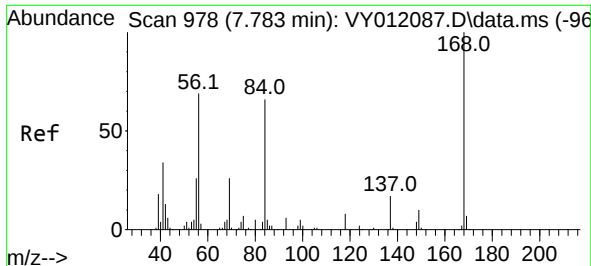
Tgt Ion: 43 Resp: 2010

Ion Ratio Lower Upper

43 100

72 18.0 22.6 34.0#

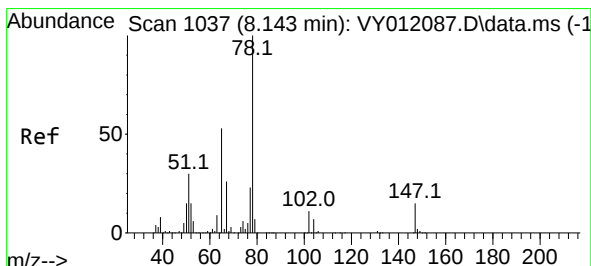
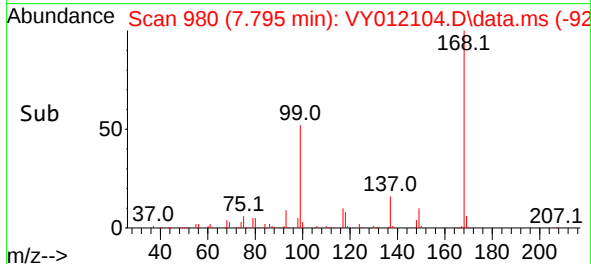
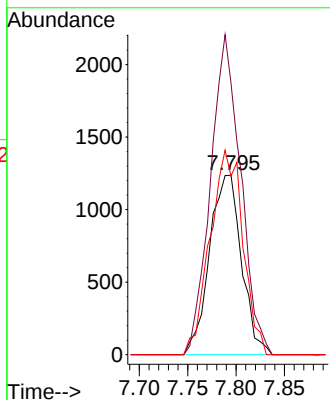
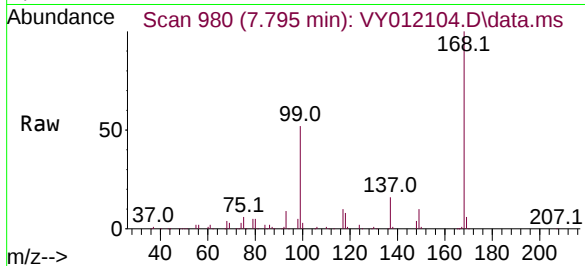




#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY012104.D
Acq: 09 Jan 2023 12:35

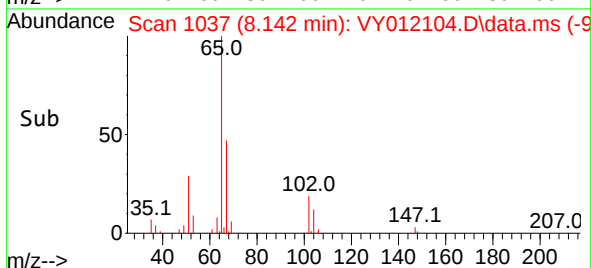
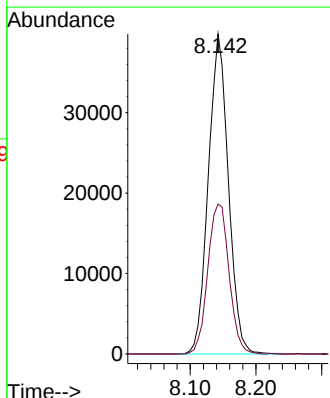
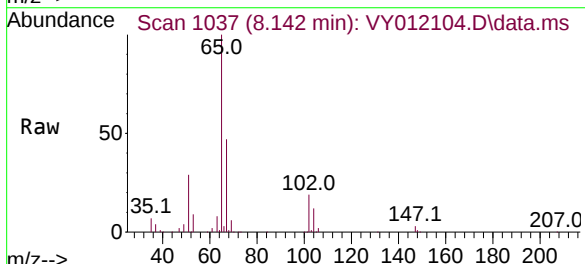
Instrument :
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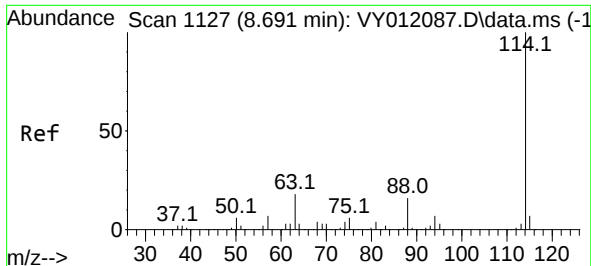
Tgt Ion: 56 Resp: 2848
Ion Ratio Lower Upper
56 100
69 151.2 29.2 43.8#
84 99.4 72.6 108.8



#33
1,2-Dichloroethane-d4
Concen: 52.551 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012104.D
Acq: 09 Jan 2023 12:35

Tgt Ion: 65 Resp: 84370
Ion Ratio Lower Upper
65 100
67 49.7 0.0 103.2

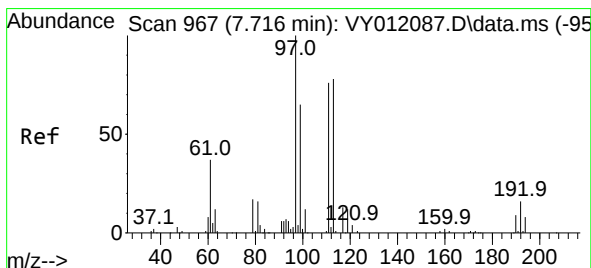
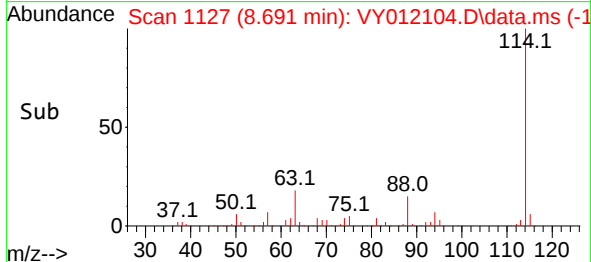
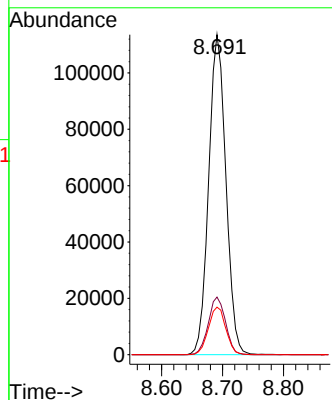
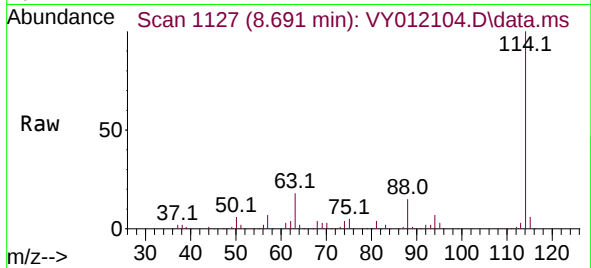




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY012104.D
Acq: 09 Jan 2023 12:35

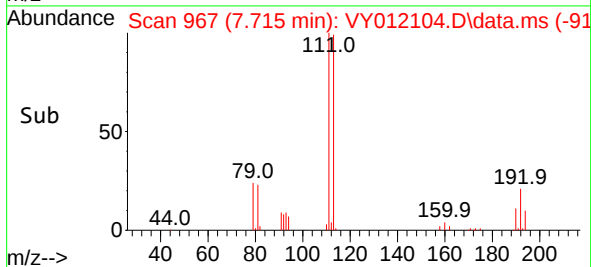
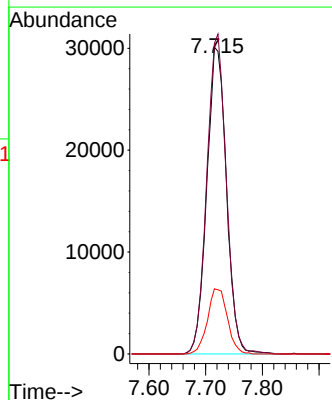
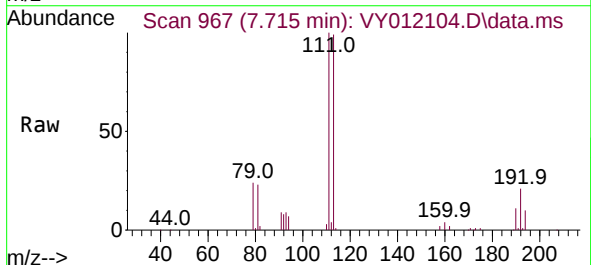
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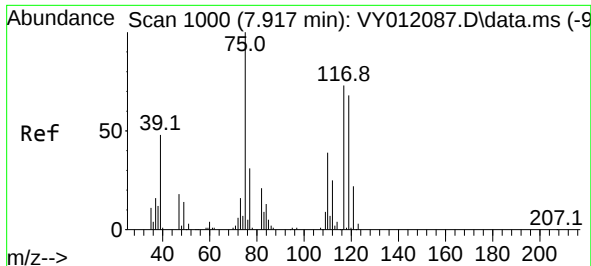
Tgt Ion:114 Resp: 223054
Ion Ratio Lower Upper
114 100
63 18.0 0.0 39.6
88 14.9 0.0 32.2



#35
Dibromofluoromethane
Concen: 49.566 ug/l
RT: 7.715 min Scan# 967
Delta R.T. -0.001 min
Lab File: VY012104.D
Acq: 09 Jan 2023 12:35

Tgt Ion:113 Resp: 72669
Ion Ratio Lower Upper
113 100
111 103.0 83.0 124.4
192 21.5 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.564 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012104.D

Acq: 09 Jan 2023 12:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0109SBL01

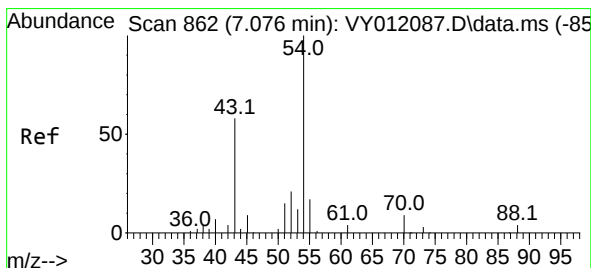
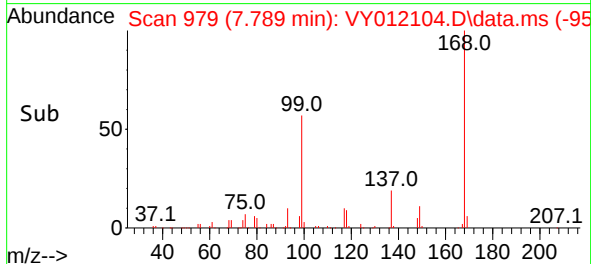
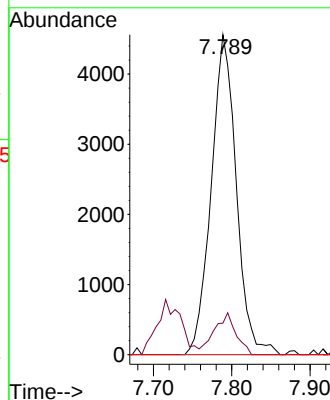
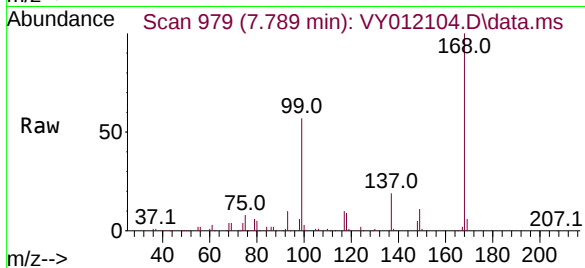
Tgt Ion: 75 Resp: 10152

Ion Ratio Lower Upper

75 100

110 11.3 18.1 54.1#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 1.304 ug/l

RT: 7.081 min Scan# 863

Delta R.T. 0.005 min

Lab File: VY012104.D

Acq: 09 Jan 2023 12:35

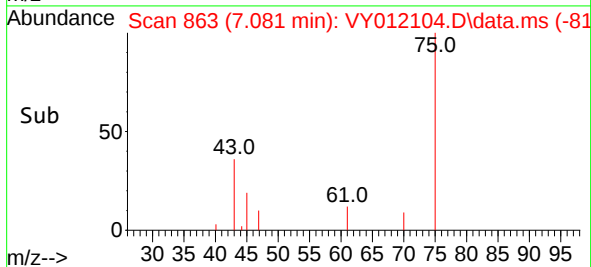
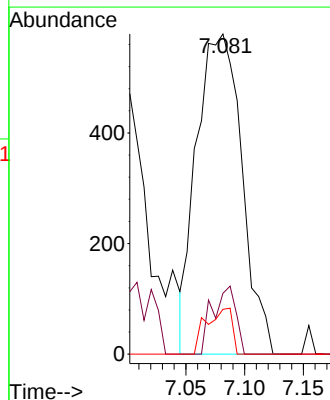
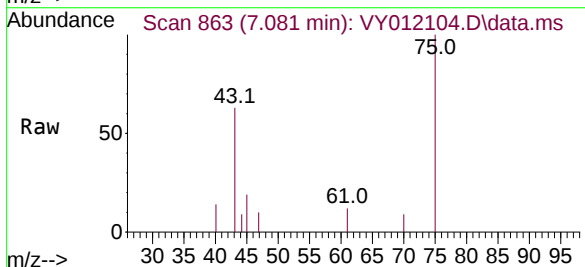
Tgt Ion: 43 Resp: 1553

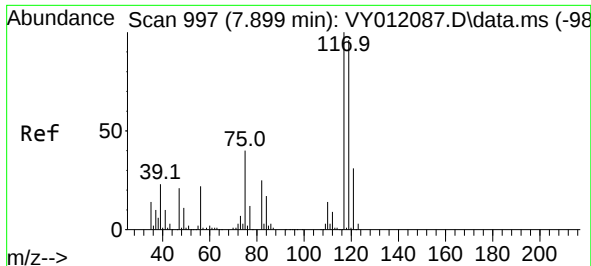
Ion Ratio Lower Upper

43 100

61 10.9 11.3 16.9#

70 8.2 8.2 12.4#

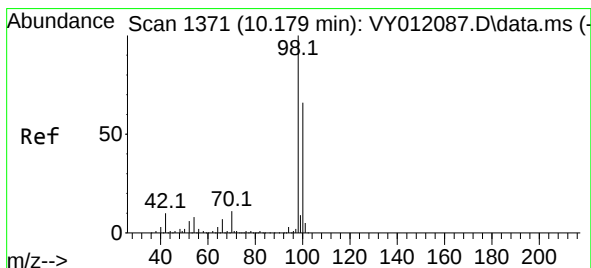
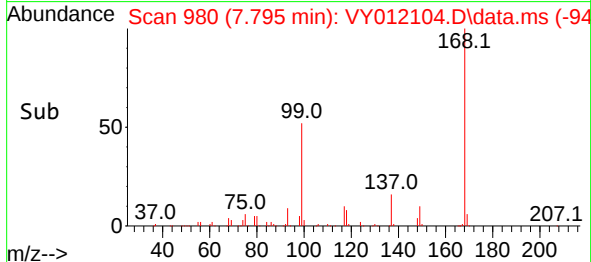
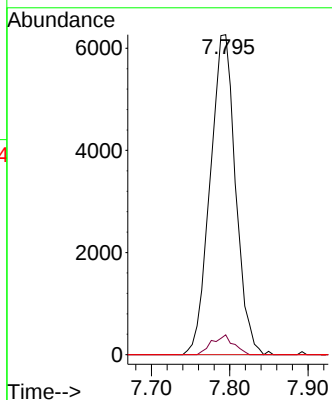
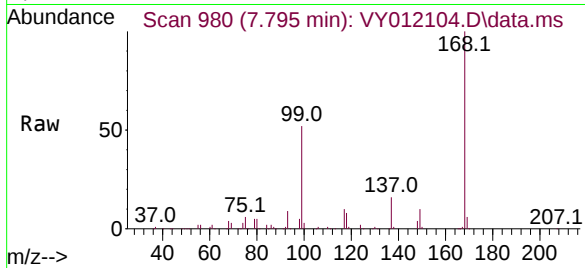




#38
Carbon Tetrachloride
Concen: 5.009 ug/l
RT: 7.795 min Scan# 997
Delta R.T. -0.104 min
Lab File: VY012104.D
Acq: 09 Jan 2023 12:35

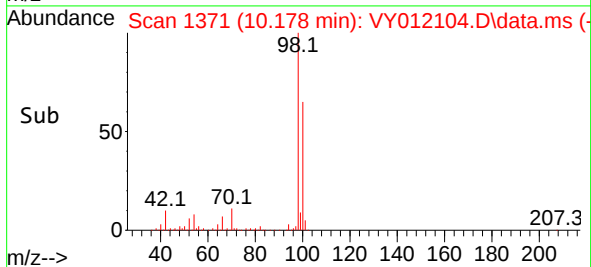
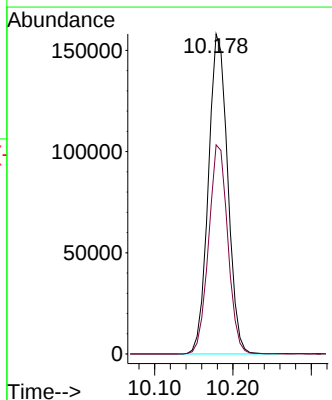
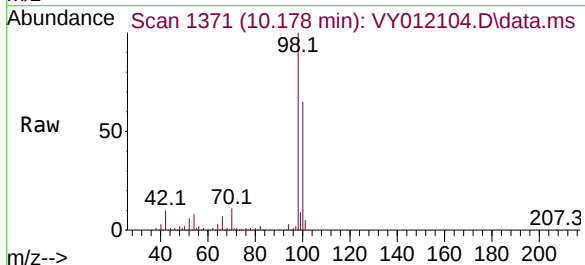
Instrument :
MSVOA_Y
ClientSampleId :
VY0109SBL01

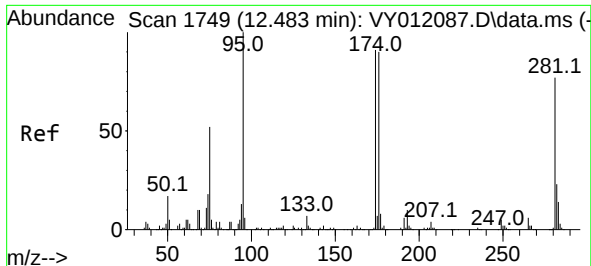
Tgt Ion:117 Resp: 14141
Ion Ratio Lower Upper
117 100
119 6.2 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 46.740 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY012104.D
Acq: 09 Jan 2023 12:35

Tgt Ion: 98 Resp: 270473
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9

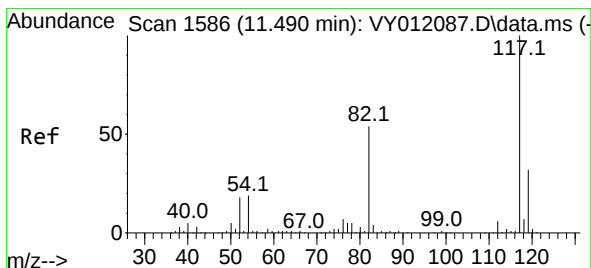
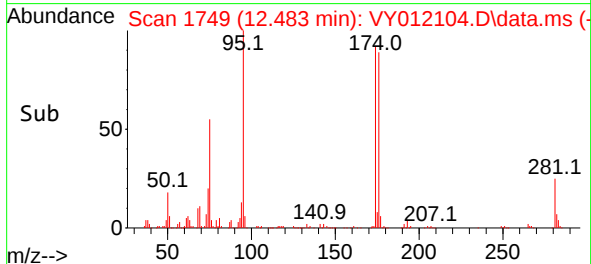
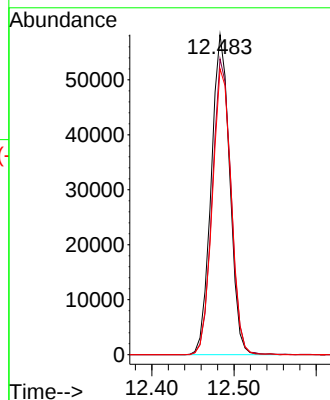
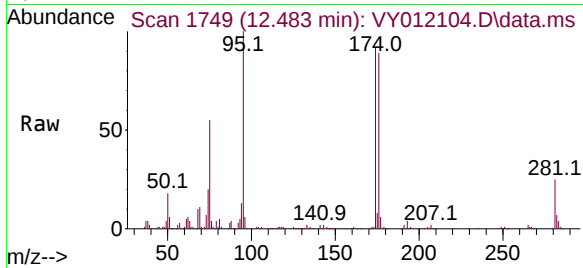




#62
4-Bromofluorobenzene
Concen: 45.047 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012104.D
Acq: 09 Jan 2023 12:35

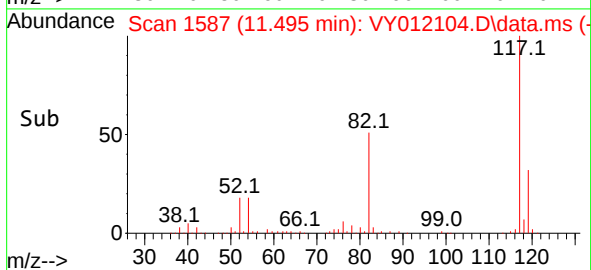
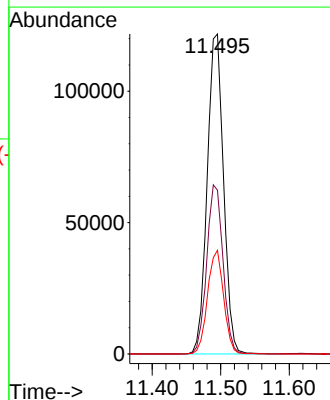
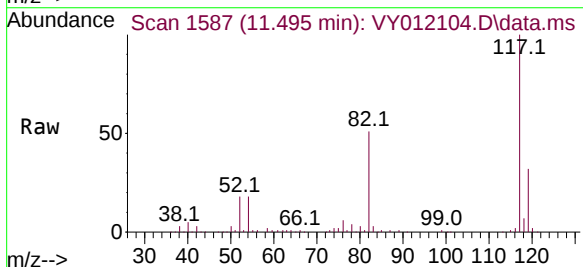
Instrument :
MSVOA_Y
ClientSampleId :
VY0109SBL01

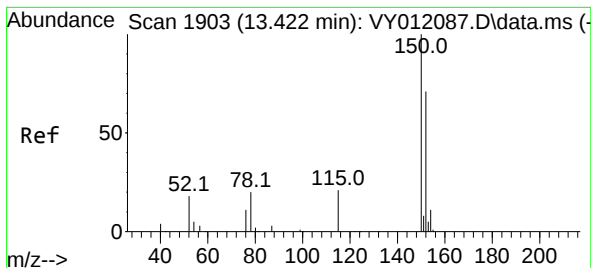
Tgt Ion: 95 Resp: 91117
Ion Ratio Lower Upper
95 100
174 92.9 0.0 172.0
176 90.8 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.005 min
Lab File: VY012104.D
Acq: 09 Jan 2023 12:35

Tgt Ion: 117 Resp: 201920
Ion Ratio Lower Upper
117 100
82 51.1 44.8 67.2
119 32.4 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY012104.D

Acq: 09 Jan 2023 12:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0109SBL01

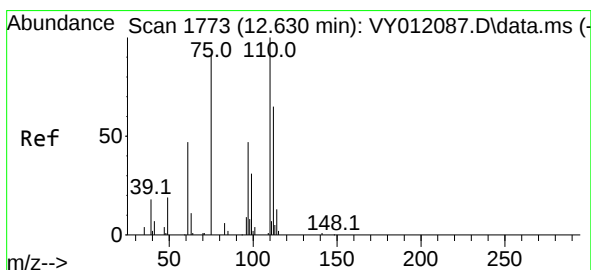
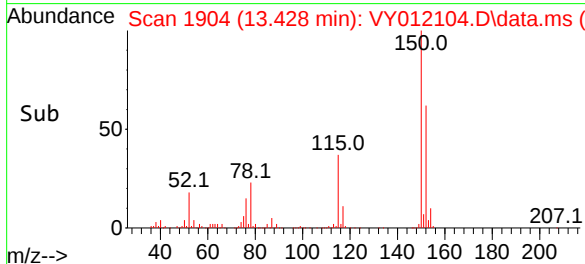
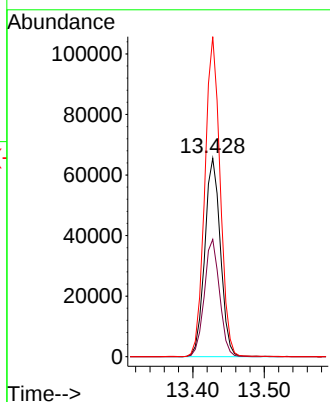
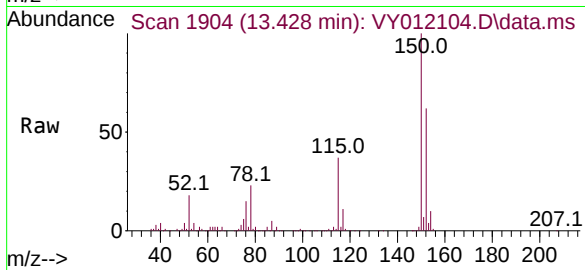
Tgt Ion:152 Resp: 99484

Ion Ratio Lower Upper

152 100

115 57.6 29.1 87.3

150 158.2 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 43.857 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012104.D

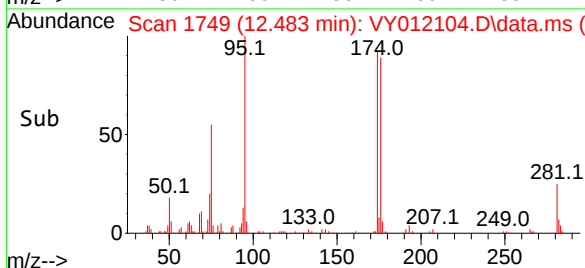
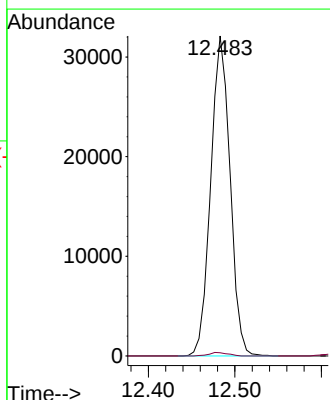
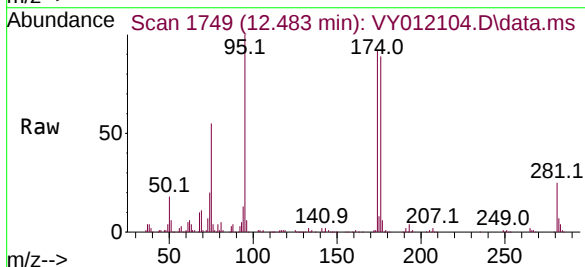
Acq: 09 Jan 2023 12:35

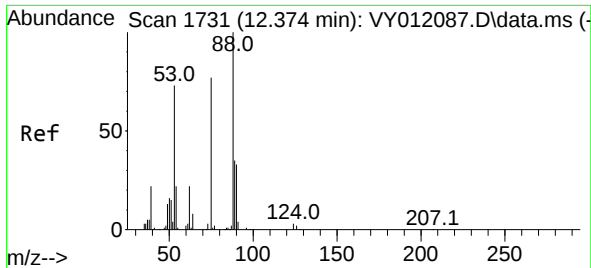
Tgt Ion: 75 Resp: 49817

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.399 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012104.D
 Acq: 09 Jan 2023 12:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0109SBL01

Tgt Ion: 75 Resp: 49817
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.5 108.7#
 89 0.3 37.0 55.4#

