

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010323\
 Data File : VY012037.D
 Acq On : 03 Jan 2023 11:28
 Operator : KP/MD
 Sample : VY0103SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0103SBL01

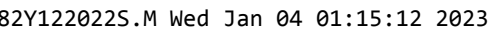
Quant Time: Jan 04 01:15:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

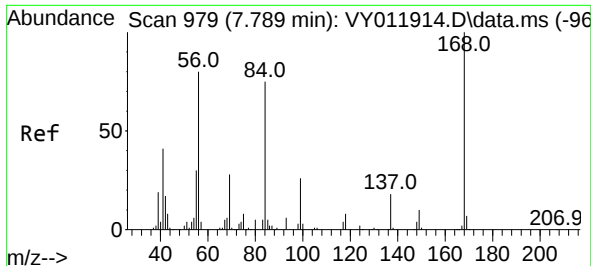
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	149681	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	234864	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	212623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106568	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	82648	54.806	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.620%	
35) Dibromofluoromethane	7.716	113	70136	49.603	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.200%	
50) Toluene-d8	10.179	98	265344	46.254	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.500%	
62) 4-Bromofluorobenzene	12.483	95	88582	45.912	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.820%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	159	2.594	ug/l #	41
11) Tert butyl alcohol	4.911	59	735	Below Cal	#	74
16) Acetone	3.954	43	1478	8.093	ug/l	91
20) Methylene Chloride	4.710	84	4069	Below Cal		89
25) 2-Butanone	6.978	43	718	1.429	ug/l	94
31) Cyclohexane	7.783	56	3086	1.216	ug/l #	34
37) Ethyl Acetate	7.076	43	1816	1.785	ug/l	95
38) Carbon Tetrachloride	7.789	117	15176	5.794	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	48709	36.732	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	48709	100.591	ug/l #	13
95) Naphthalene	15.233	128	1994	3.258	ug/l #	94

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

Quant Time: Jan 04 01:15:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 20 12:37:37 2022
Response via : Initial Calibration

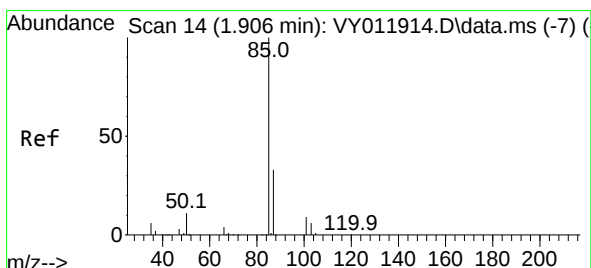
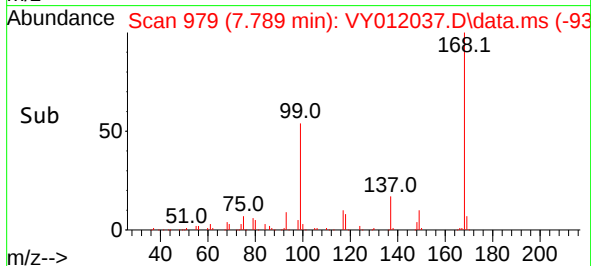
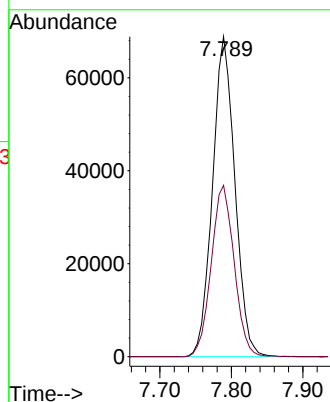
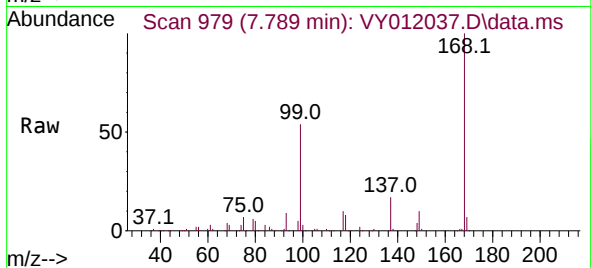




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012037.D
Acq: 03 Jan 2023 11:28

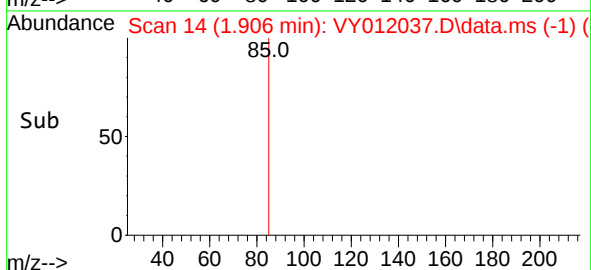
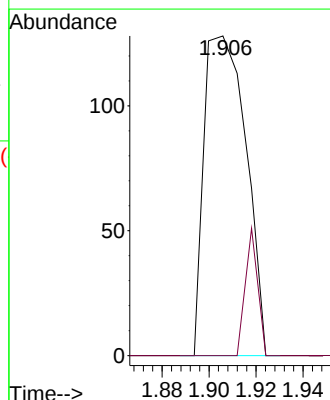
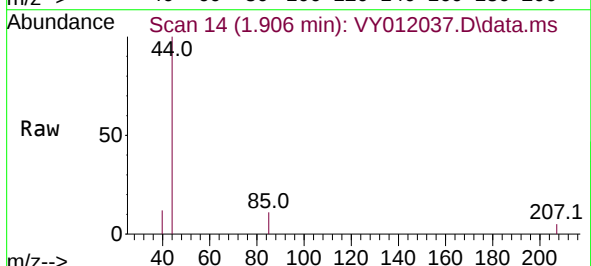
Instrument :
MSVOA_Y
ClientSampleId :
VY0103SBL01

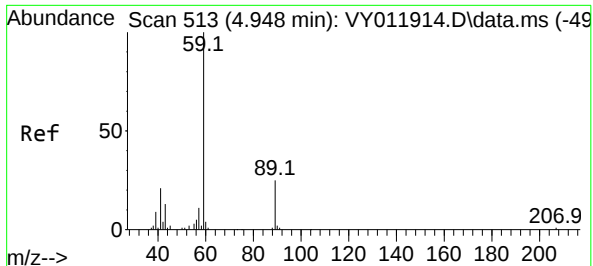
Tgt Ion:168 Resp: 149681
Ion Ratio Lower Upper
168 100
99 53.5 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.594 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012037.D
Acq: 03 Jan 2023 11:28

Tgt Ion: 85 Resp: 159
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.911 min Scan# 50

Delta R.T. -0.037 min

Lab File: VY012037.D

Acq: 03 Jan 2023 11:28

Instrument :

MSVOA_Y

ClientSampleId :

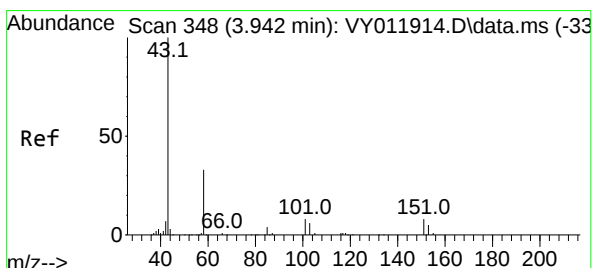
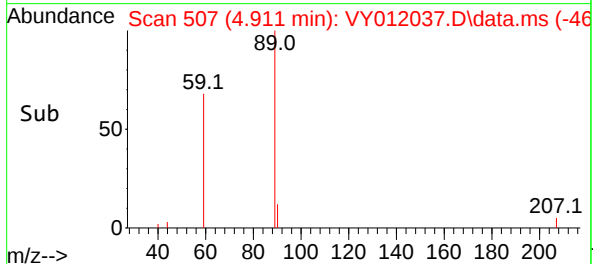
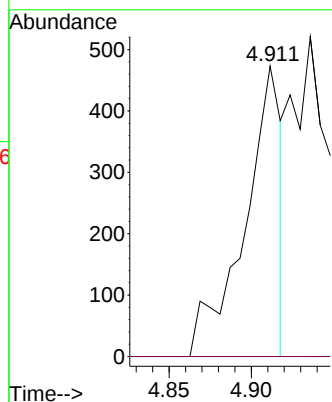
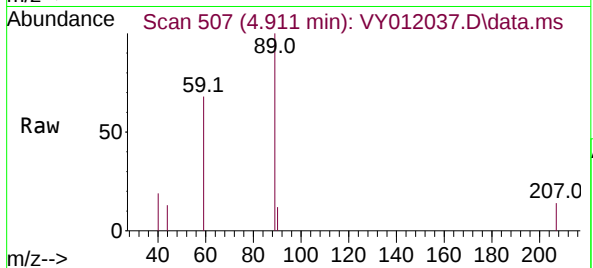
VY0103SBL01

Tgt Ion: 59 Resp: 735

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 8.093 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY012037.D

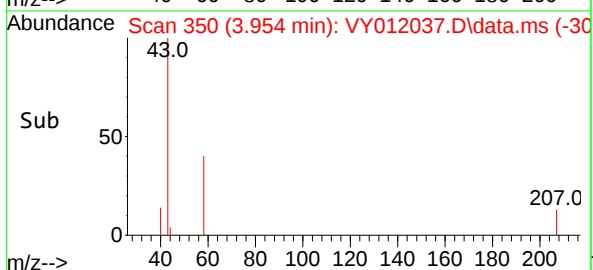
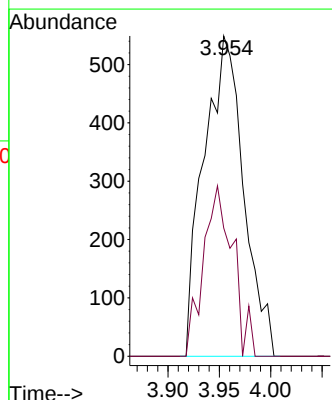
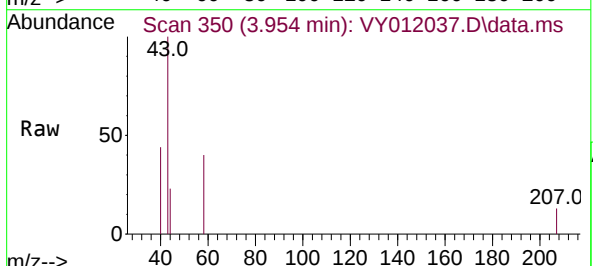
Acq: 03 Jan 2023 11:28

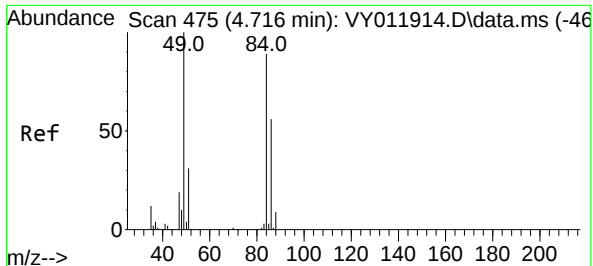
Tgt Ion: 43 Resp: 1478

Ion Ratio Lower Upper

43 100

58 40.1 27.9 41.9

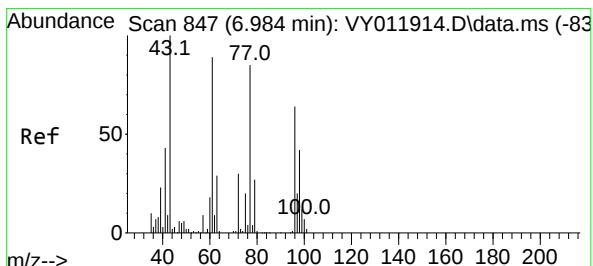
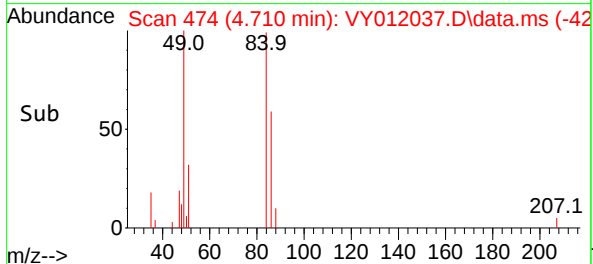
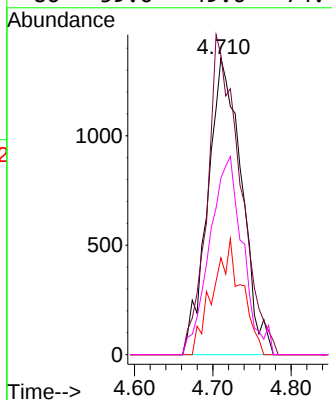
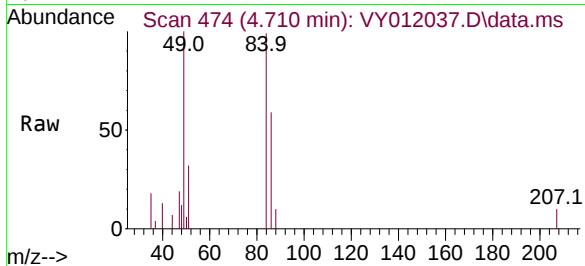




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY012037.D
Acq: 03 Jan 2023 11:28

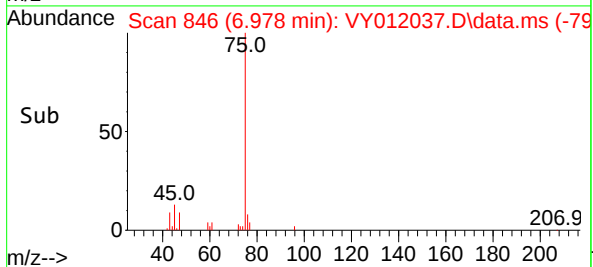
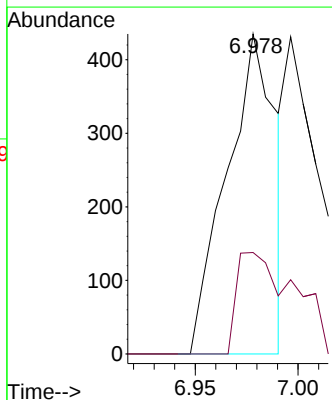
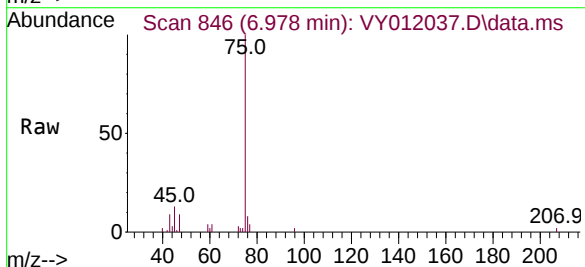
Instrument :
MSVOA_Y
ClientSampleId :
VY0103SBL01

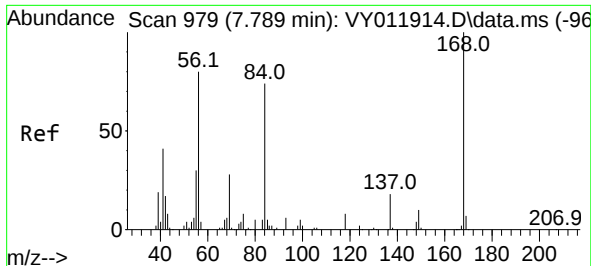
Tgt Ion:	84	Resp:	4069
Ion	Ratio	Lower	Upper
84	100		
49	101.0	95.4	143.2
51	32.6	29.9	44.9
86	59.6	49.6	74.4



#25
2-Butanone
Concen: 1.429 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY012037.D
Acq: 03 Jan 2023 11:28

Tgt Ion:	43	Resp:	718
Ion	Ratio	Lower	Upper
43	100		
72	31.7	22.6	34.0

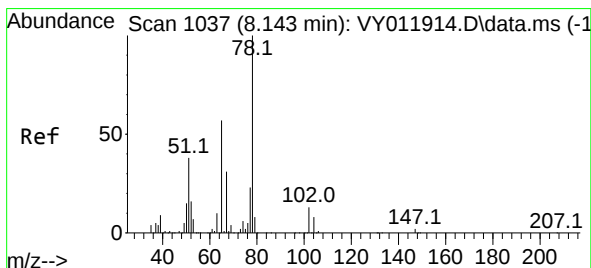
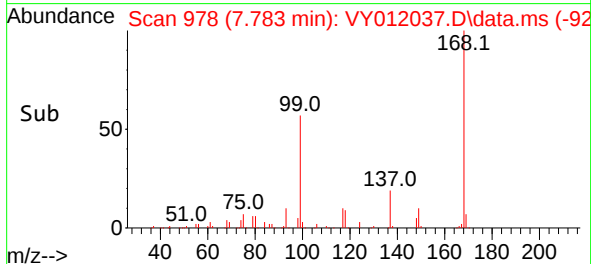
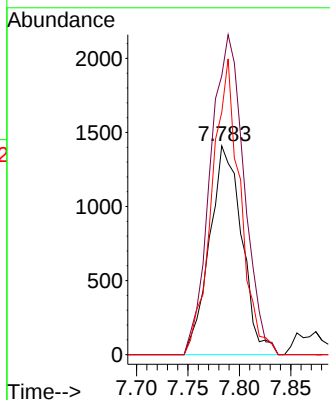
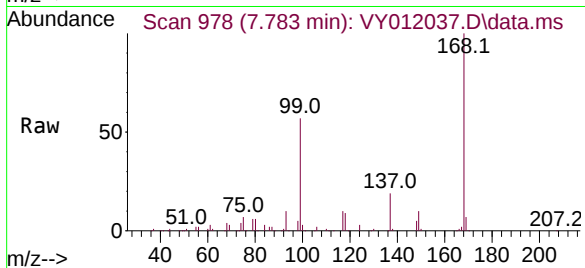




#31
Cyclohexane
Concen: 1.216 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012037.D
Acq: 03 Jan 2023 11:28

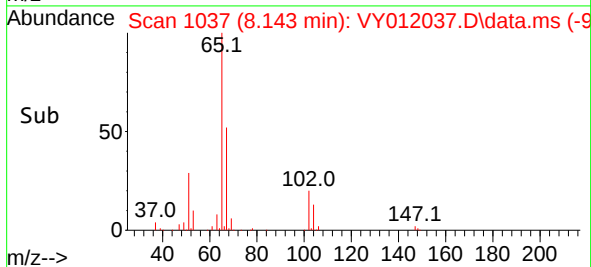
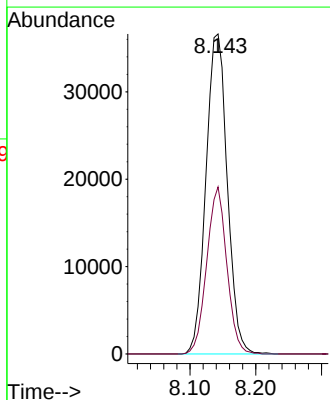
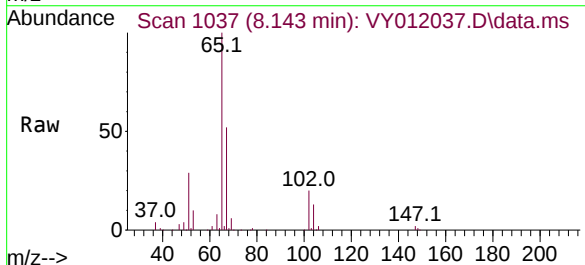
Instrument :
MSVOA_Y
ClientSampleId :
VY0103SBL01

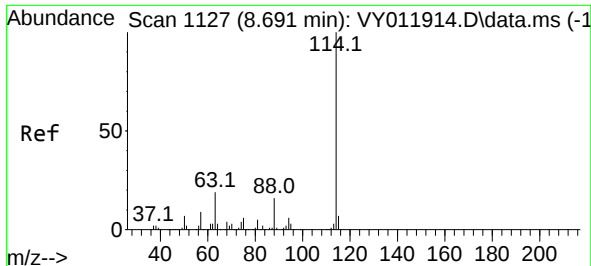
Tgt Ion: 56 Resp: 3086
Ion Ratio Lower Upper
56 100
69 133.5 29.2 43.8#
84 116.0 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 54.806 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012037.D
Acq: 03 Jan 2023 11:28

Tgt Ion: 65 Resp: 82648
Ion Ratio Lower Upper
65 100
67 49.1 0.0 103.2

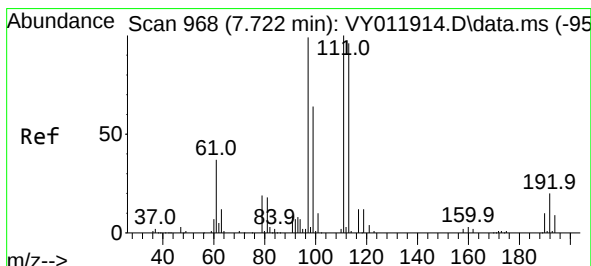
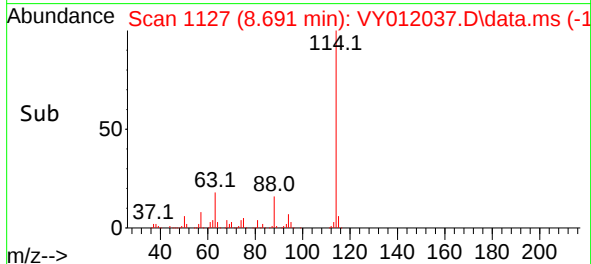
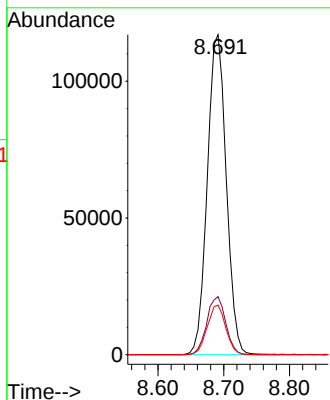
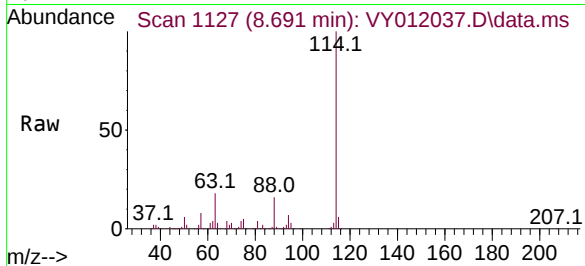




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012037.D
Acq: 03 Jan 2023 11:28

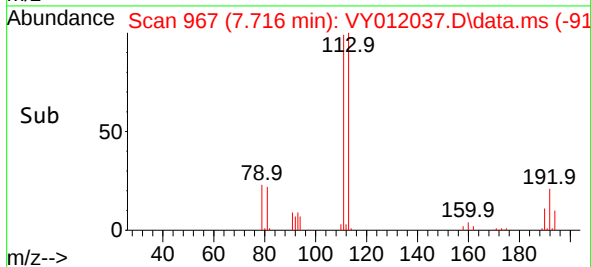
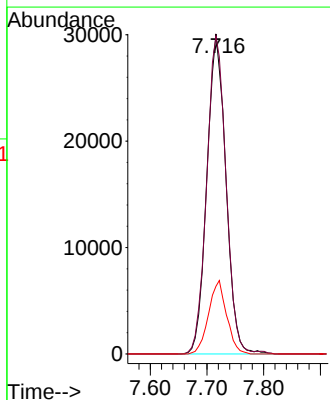
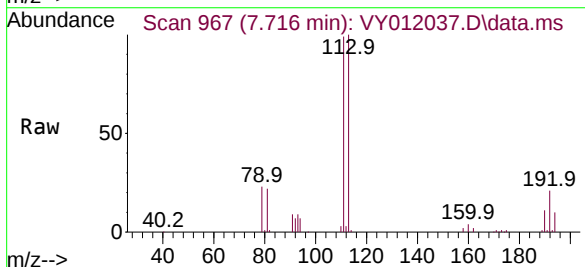
Instrument :
MSVOA_Y
ClientSampleId :
VY0103SBL01

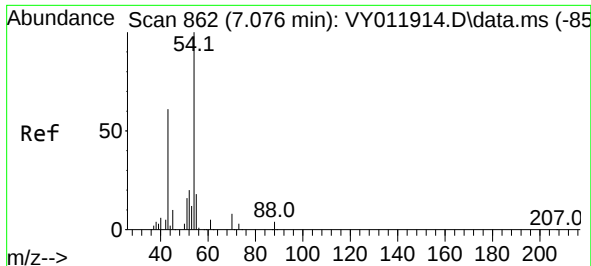
Tgt Ion:	114	Resp:	234864
Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	39.6
88	15.5	0.0	32.2



#35
Dibromofluoromethane
Concen: 49.603 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY012037.D
Acq: 03 Jan 2023 11:28

Tgt Ion:	113	Resp:	70136
Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.0	124.4
192	21.8	16.0	24.0





#37

Ethyl Acetate

Concen: 1.785 ug/l

RT: 7.076 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY012037.D

Acq: 03 Jan 2023 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0103SBL01

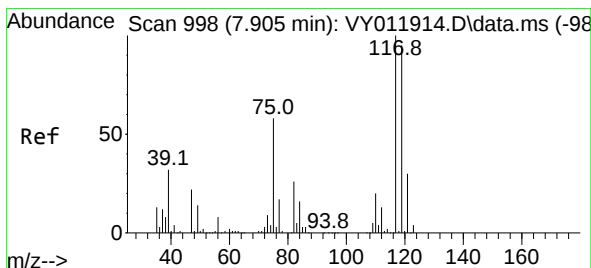
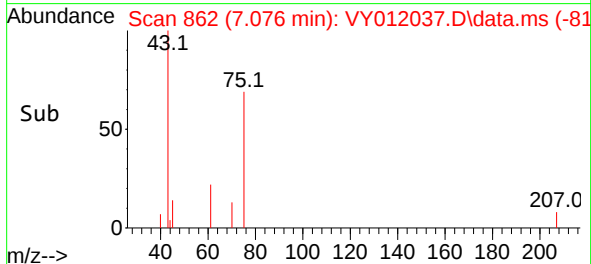
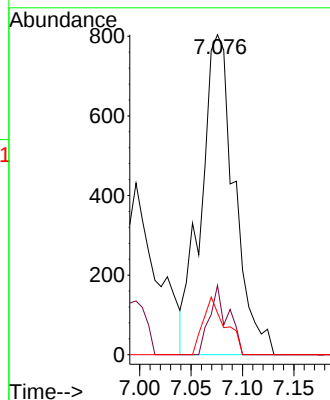
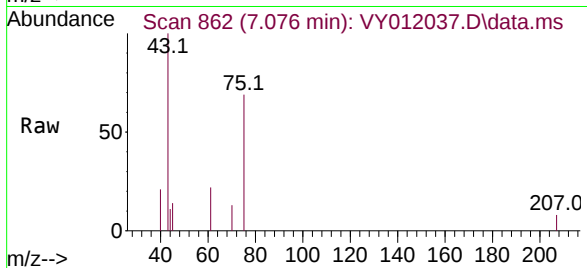
Tgt Ion: 43 Resp: 1816

Ion Ratio Lower Upper

43 100

61 12.1 11.3 16.9

70 12.1 8.2 12.4



#38

Carbon Tetrachloride

Concen: 5.794 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY012037.D

Acq: 03 Jan 2023 11:28

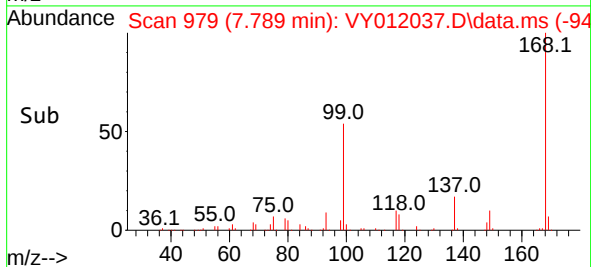
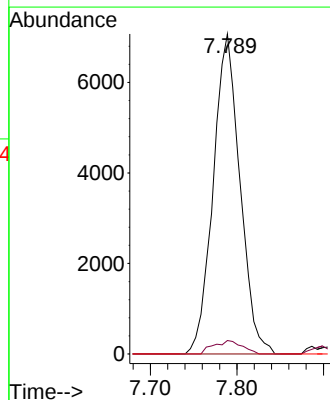
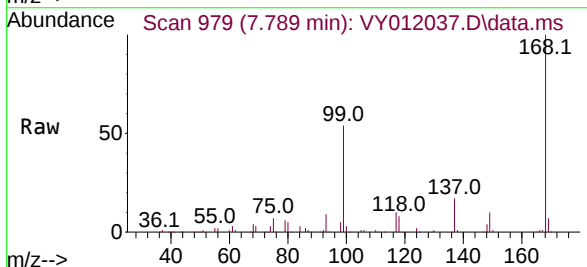
Tgt Ion: 117 Resp: 15176

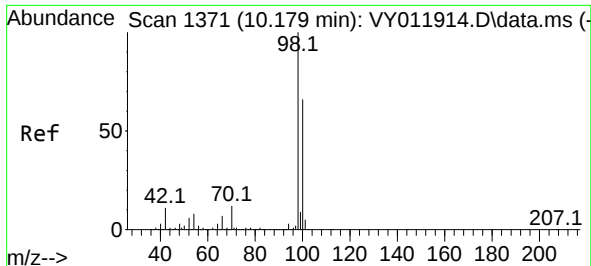
Ion Ratio Lower Upper

117 100

119 4.2 73.8 110.8#

121 0.0 25.2 37.8#

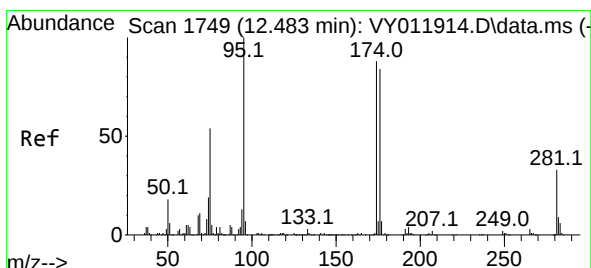
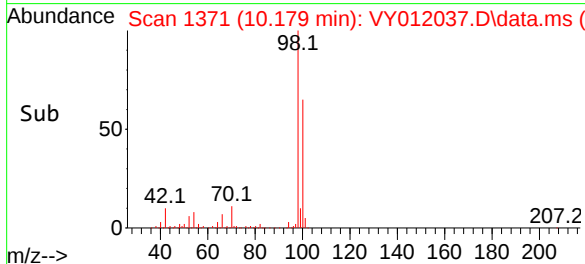
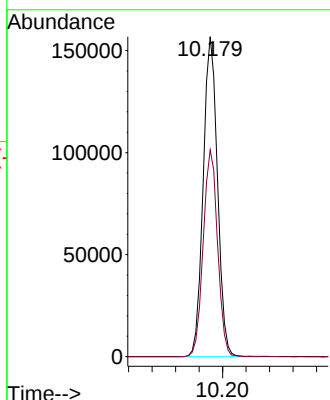
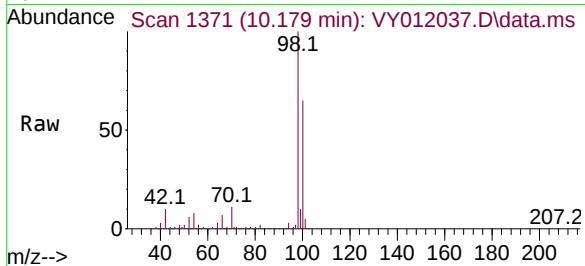




#50
Toluene-d8
Concen: 46.254 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012037.D
Acq: 03 Jan 2023 11:28

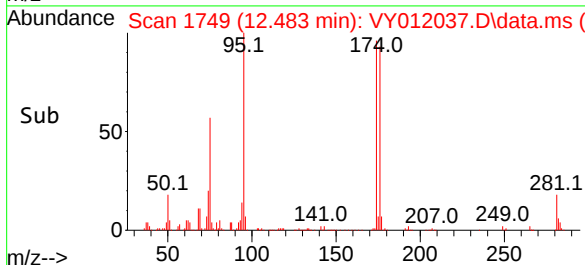
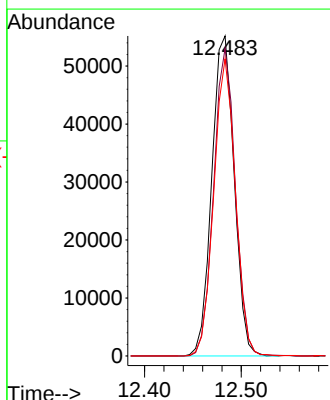
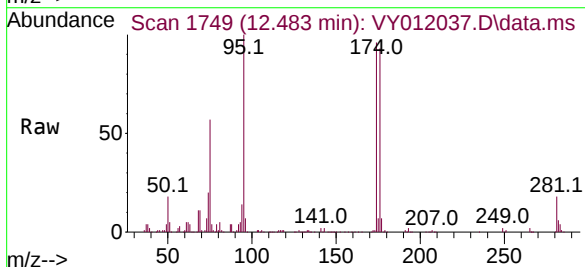
Instrument :
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VY0103SBL01

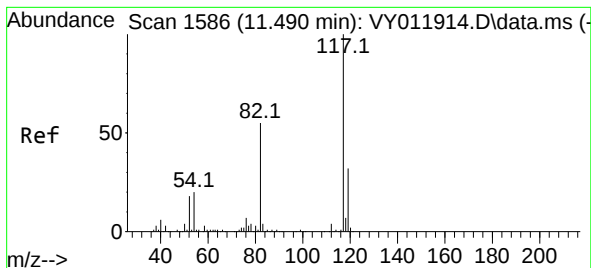
Tgt Ion: 98 Resp: 265344
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 45.912 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012037.D
Acq: 03 Jan 2023 11:28

Tgt Ion: 95 Resp: 88582
Ion Ratio Lower Upper
95 100
174 93.1 0.0 172.0
176 89.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012037.D

Acq: 03 Jan 2023 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0103SBL01

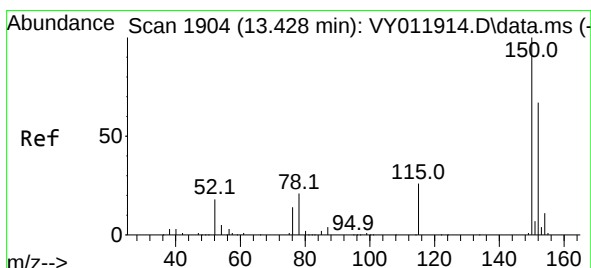
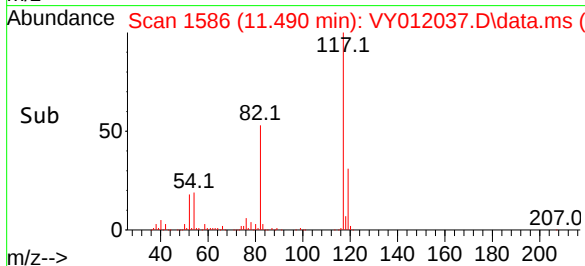
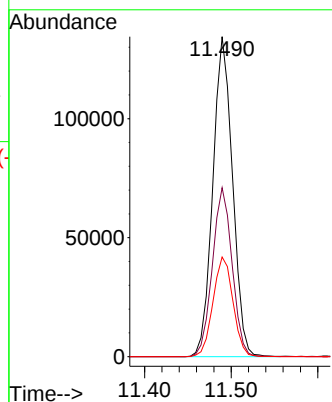
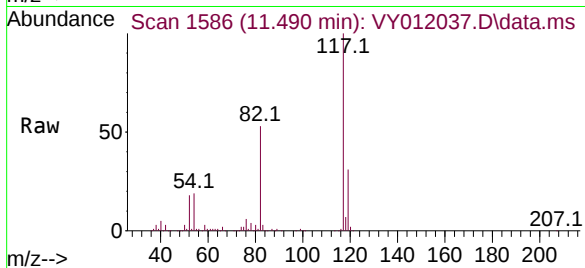
Tgt Ion:117 Resp: 212623

Ion Ratio Lower Upper

117 100

82 52.8 44.8 67.2

119 31.1 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY012037.D

Acq: 03 Jan 2023 11:28

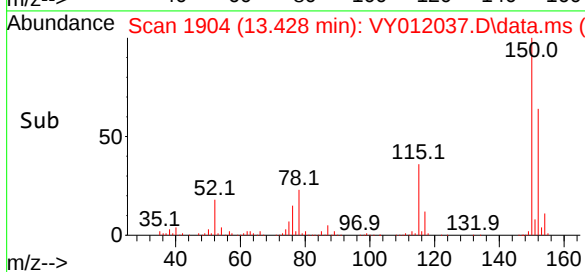
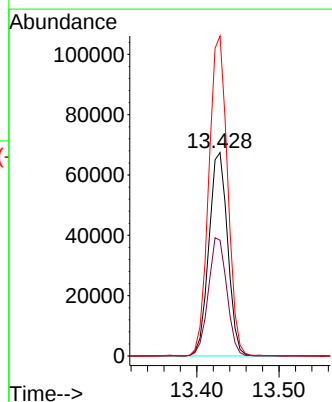
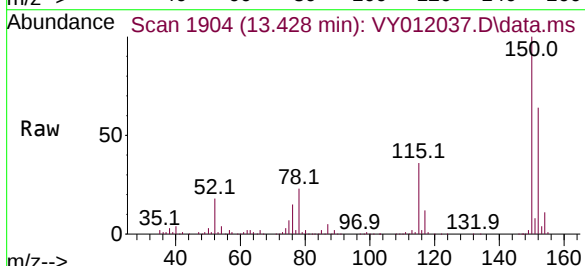
Tgt Ion:152 Resp: 106568

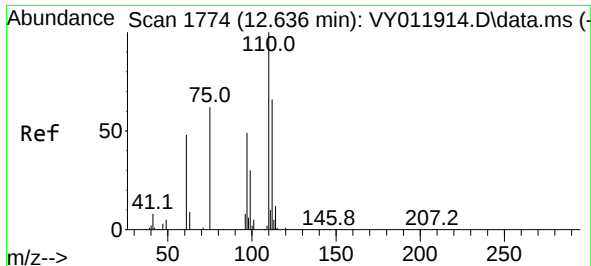
Ion Ratio Lower Upper

152 100

115 57.5 29.1 87.3

150 157.7 0.0 342.6

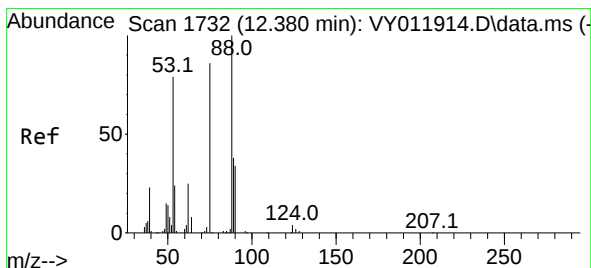
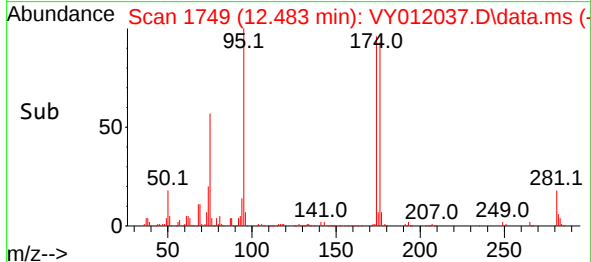
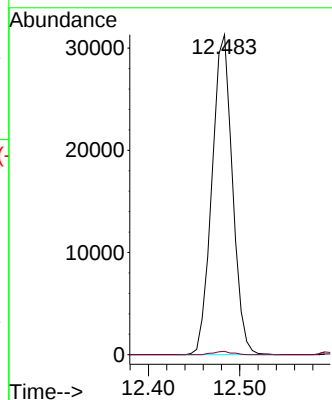
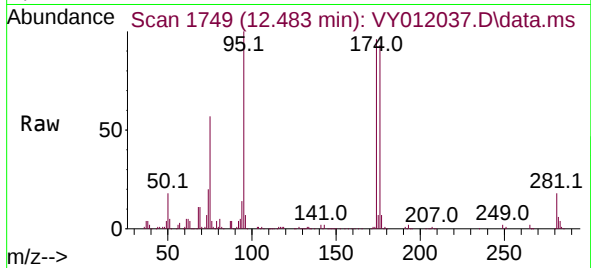




#76
1,2,3-Trichloropropane
Concen: 36.732 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012037.D
Acq: 03 Jan 2023 11:28

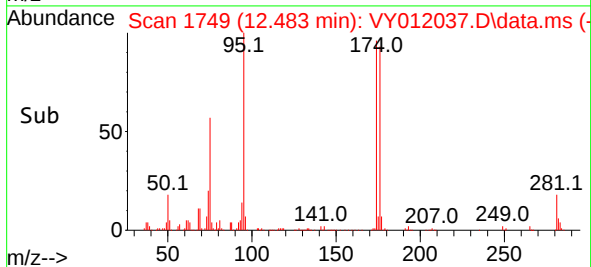
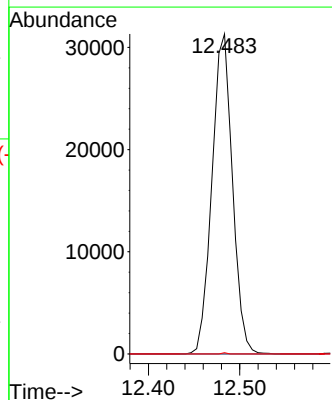
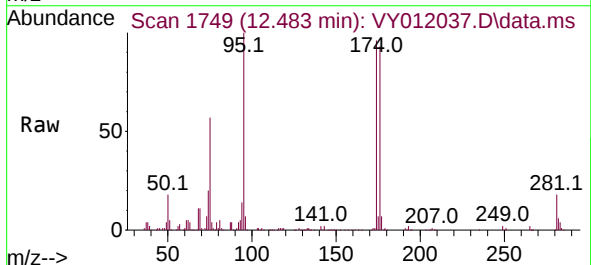
Instrument :
MSVOA_Y
ClientSampleId :
VY0103SBL01

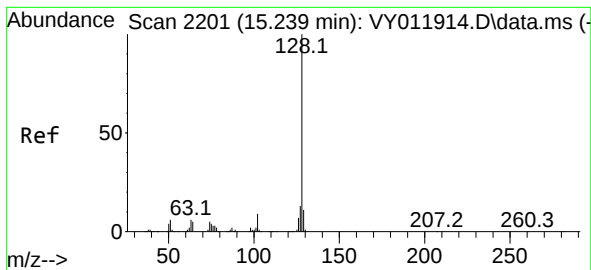
Tgt Ion: 75 Resp: 48709
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.591 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012037.D
Acq: 03 Jan 2023 11:28

Tgt Ion: 75 Resp: 48709
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.1 37.0 55.4#





#95
Naphthalene
Concen: 3.258 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY012037.D
Acq: 03 Jan 2023 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VY0103SBL01

Tgt Ion:128 Resp: 1994
Ion Ratio Lower Upper
128 100
127 13.9 10.2 15.2
129 7.3 8.8 13.2#

