

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010423\
 Data File : VY012063.D
 Acq On : 04 Jan 2023 12:02
 Operator : KP/MD
 Sample : VY0104SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0104SBL01

Quant Time: Jan 05 00:38:57 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)

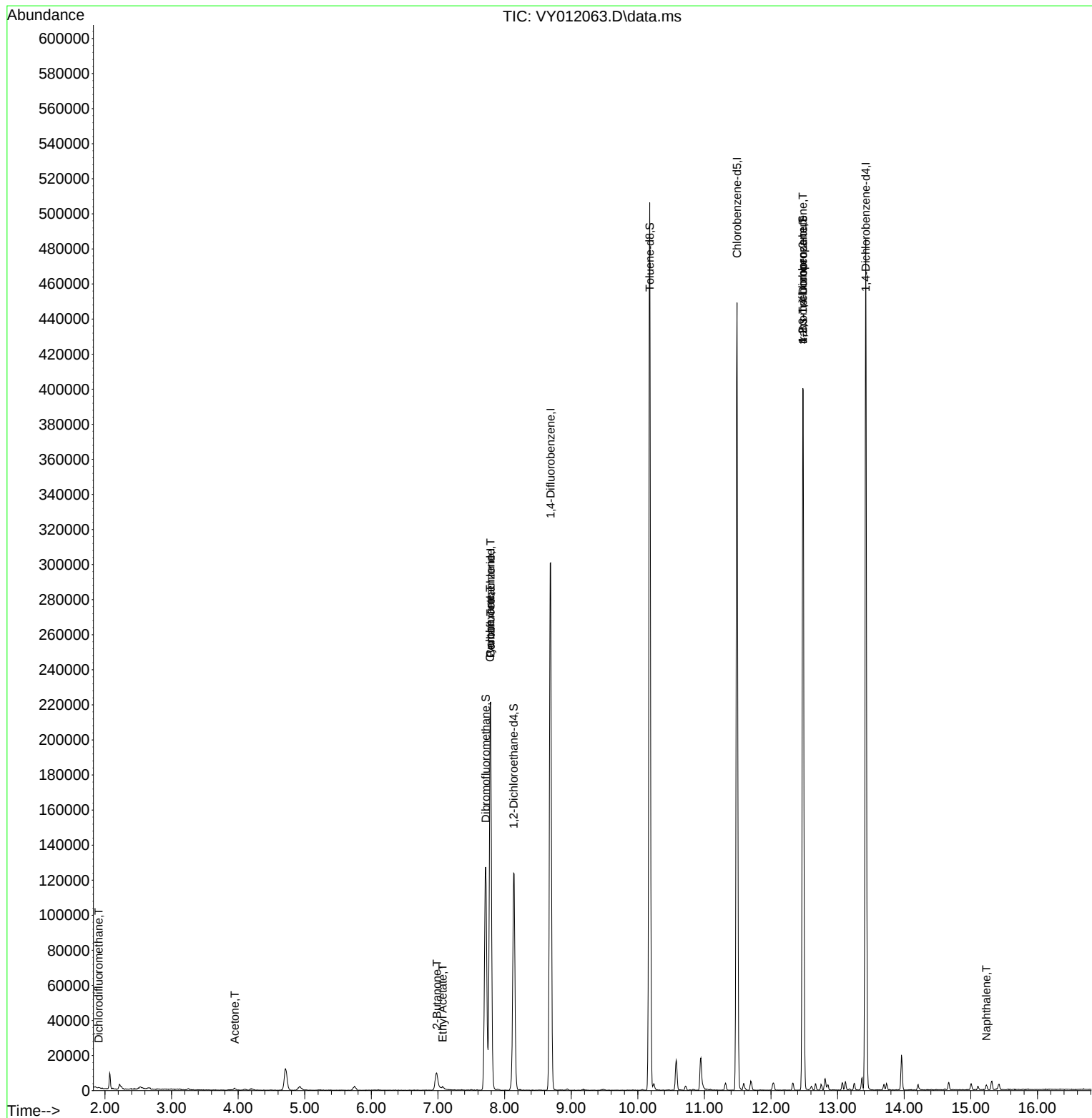
Internal Standards						
1) Pentafluorobenzene	7.789	168	175488	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	273792	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	250161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	124847	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	102265	57.842	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.680%	
35) Dibromofluoromethane	7.716	113	90130	54.680	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.360%	
50) Toluene-d8	10.179	98	337742	50.503	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.000%	
62) 4-Bromofluorobenzene	12.477	95	114171	50.761	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.520%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	192	2.598	ug/l #	41
11) Tert butyl alcohol	4.918	59	2204	Below Cal	#	74
16) Acetone	3.948	43	1722	8.073	ug/l #	88
20) Methylene Chloride	4.704	84	9823	Below Cal		94
25) 2-Butanone	6.984	43	1698	2.883	ug/l #	82
31) Cyclohexane	7.783	56	3563	1.197	ug/l #	25
37) Ethyl Acetate	7.070	43	1818	1.533	ug/l #	91
38) Carbon Tetrachloride	7.789	117	17002	5.568	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	60206	38.755	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	60206	106.130	ug/l #	13
95) Naphthalene	15.233	128	2779	3.349	ug/l	99

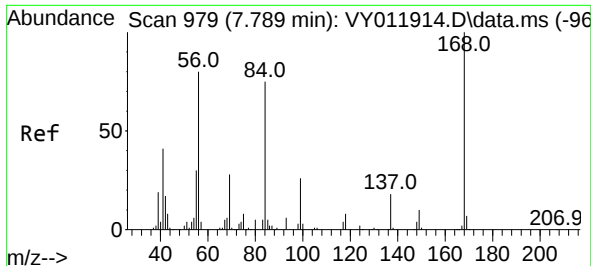
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010423\
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Quant Time: Jan 05 00:38:57 2023
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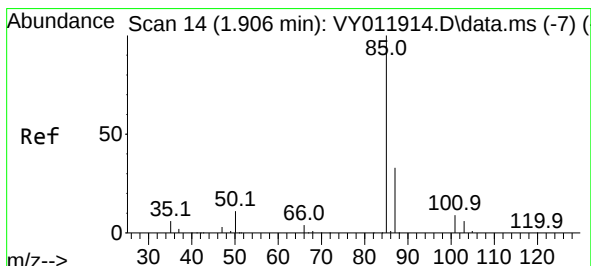
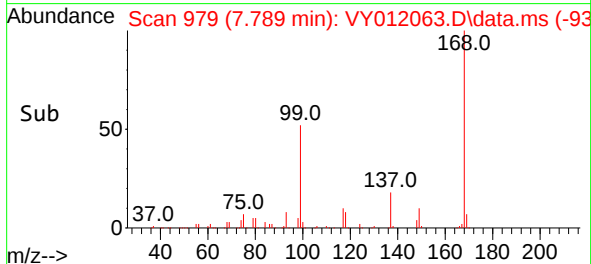
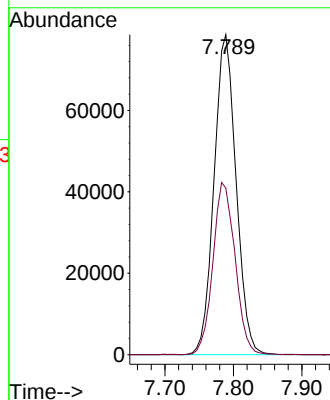
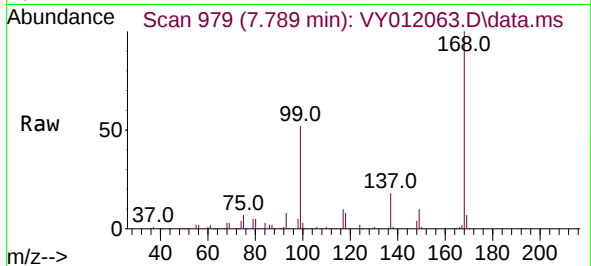




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012063.D
Acq: 04 Jan 2023 12:02

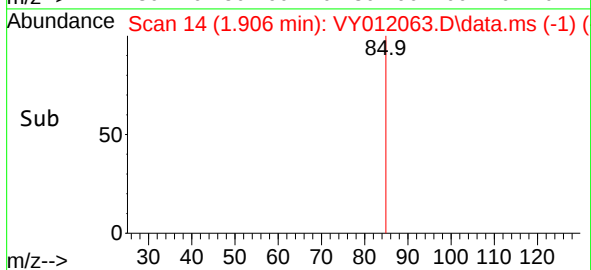
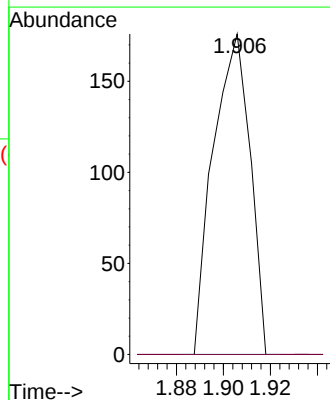
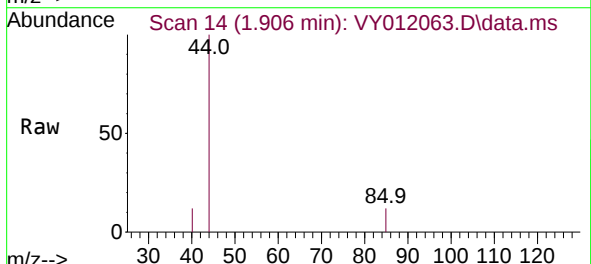
Instrument :
MSVOA_Y
ClientSampleId :
VY0104SBL01

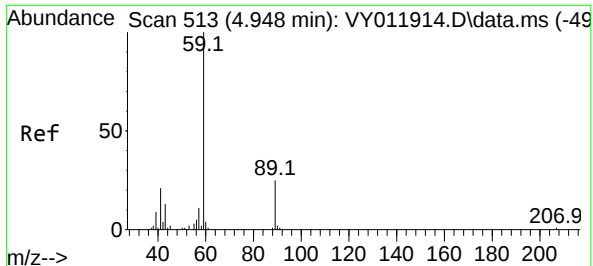
Tgt Ion:168 Resp: 175488
Ion Ratio Lower Upper
168 100
99 52.1 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.598 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012063.D
Acq: 04 Jan 2023 12:02

Tgt Ion: 85 Resp: 192
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.918 min Scan# 50

Delta R.T. -0.030 min

Lab File: VY012063.D

Acq: 04 Jan 2023 12:02

Instrument :

MSVOA_Y

ClientSampleId :

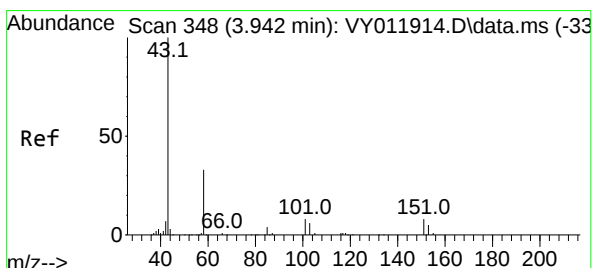
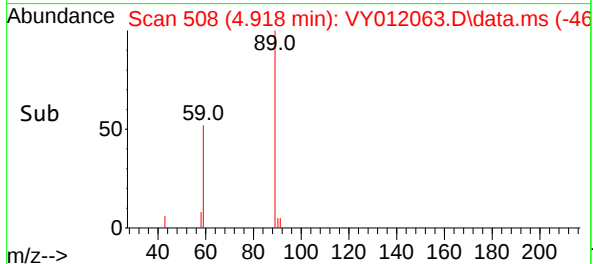
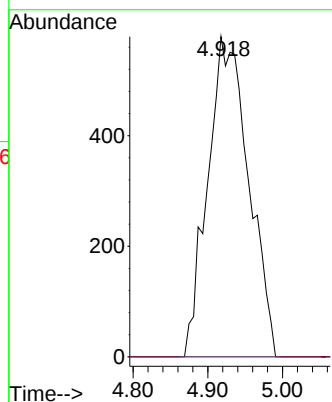
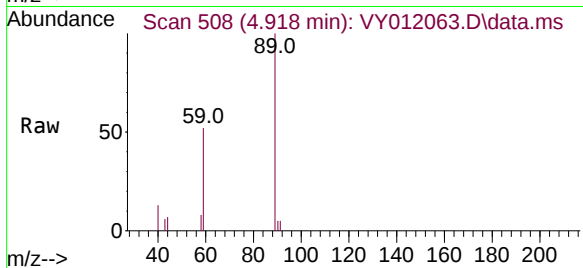
VY0104SBL01

Tgt Ion: 59 Resp: 2204

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 8.073 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY012063.D

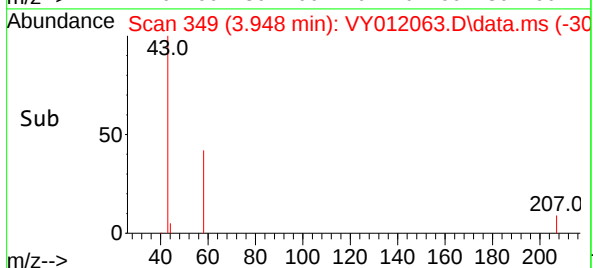
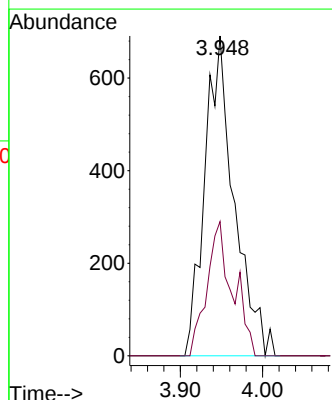
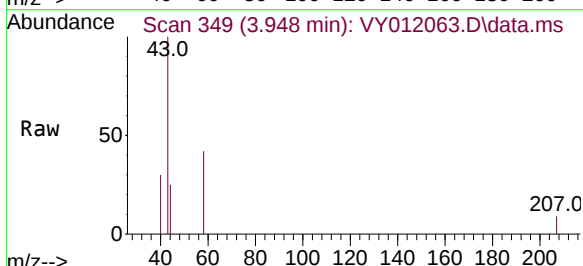
Acq: 04 Jan 2023 12:02

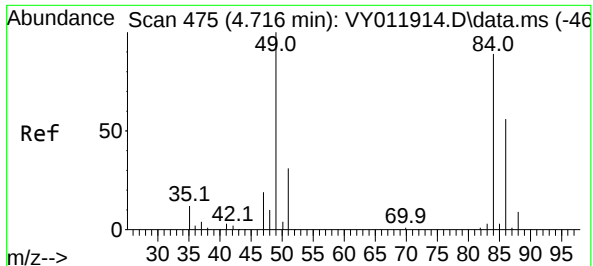
Tgt Ion: 43 Resp: 1722

Ion Ratio Lower Upper

43 100

58 42.0 27.9 41.9#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 41

Delta R.T. -0.012 min

Lab File: VY012063.D

Acq: 04 Jan 2023 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0104SBL01

Tgt Ion: 84 Resp: 9823

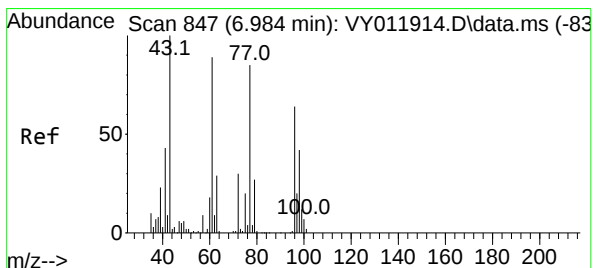
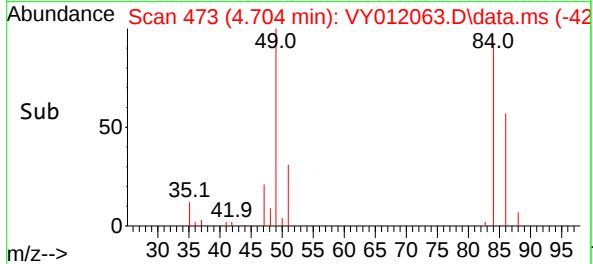
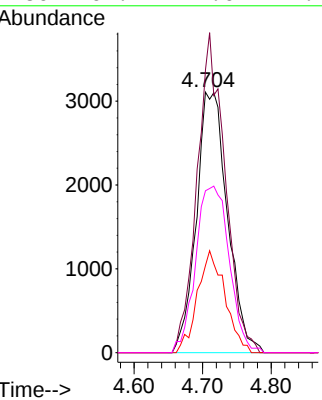
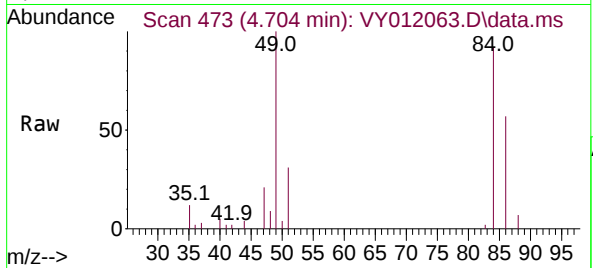
Ion Ratio Lower Upper

84 100

49 108.7 95.4 143.2

51 33.5 29.9 44.9

86 62.1 49.6 74.4



#25

2-Butanone

Concen: 2.883 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY012063.D

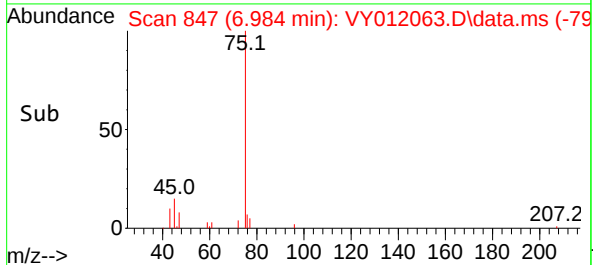
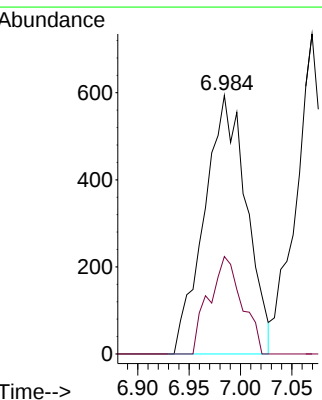
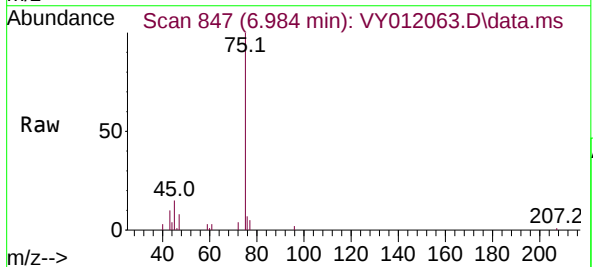
Acq: 04 Jan 2023 12:02

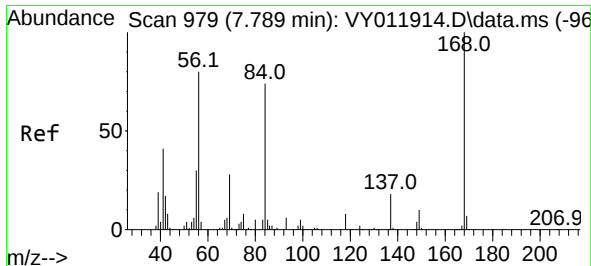
Tgt Ion: 43 Resp: 1698

Ion Ratio Lower Upper

43 100

72 37.7 22.6 34.0#

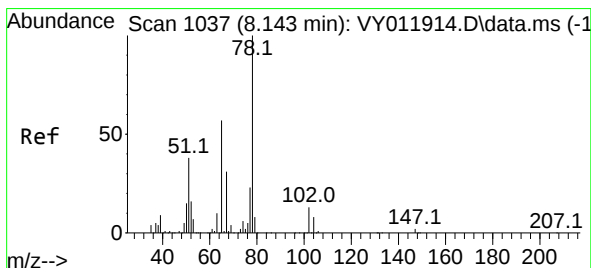
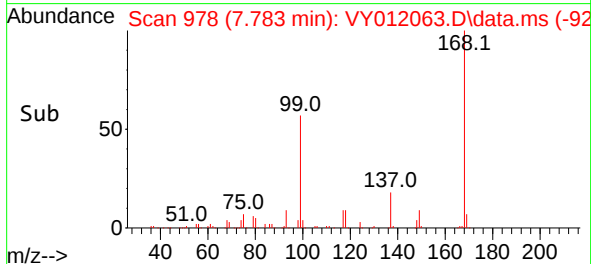
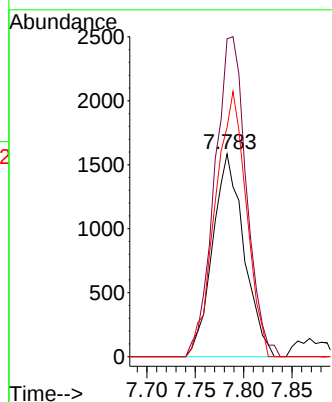
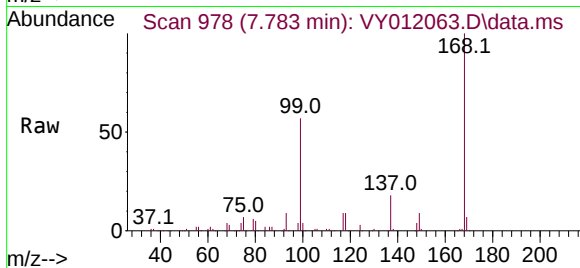




#31
Cyclohexane
Concen: 1.197 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012063.D
Acq: 04 Jan 2023 12:02

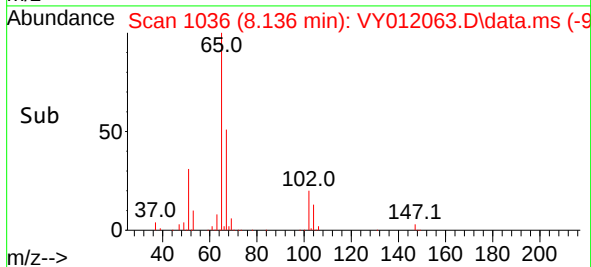
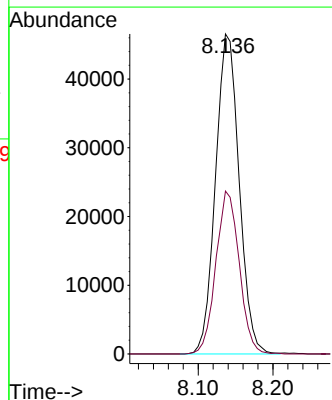
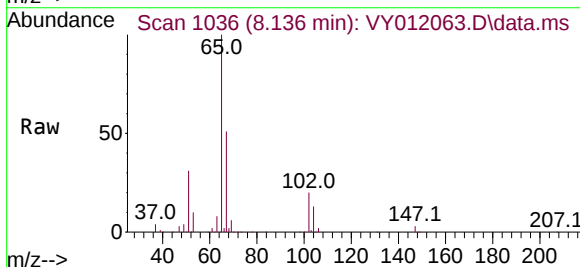
Instrument :
MSVOA_Y
ClientSampleId :
VY0104SBL01

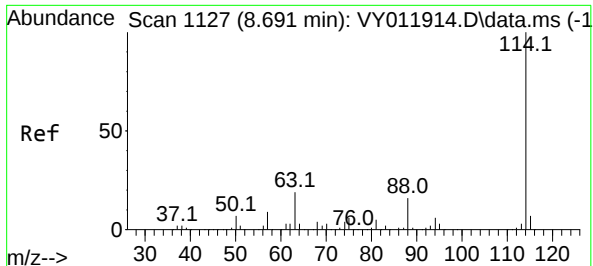
Tgt Ion: 56 Resp: 3563
Ion Ratio Lower Upper
56 100
69 156.8 29.2 43.8#
84 113.1 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 57.842 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY012063.D
Acq: 04 Jan 2023 12:02

Tgt Ion: 65 Resp: 102265
Ion Ratio Lower Upper
65 100
67 50.3 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: VY012063.D

Acq: 04 Jan 2023 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0104SBL01

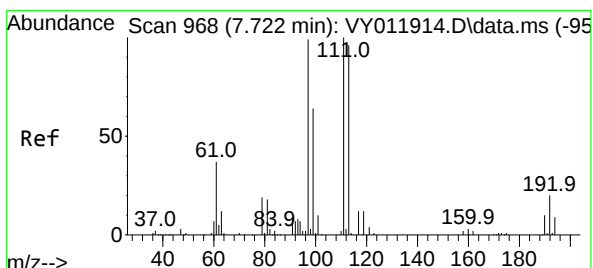
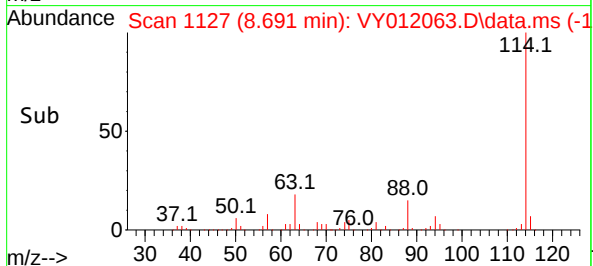
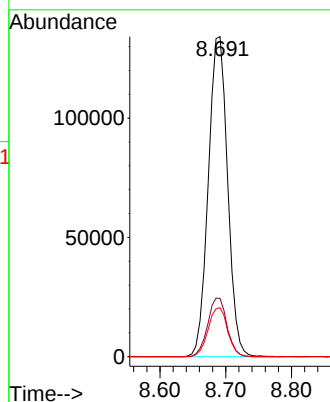
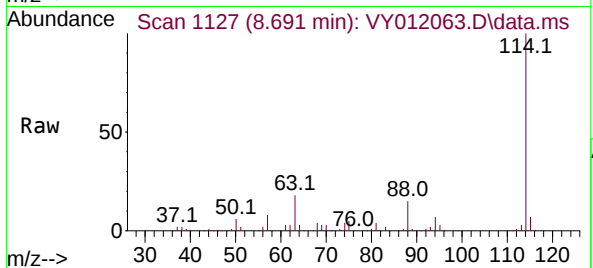
Tgt Ion:114 Resp: 273792

Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.6

88 15.3 0.0 32.2



#35

Dibromofluoromethane

Concen: 54.680 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012063.D

Acq: 04 Jan 2023 12:02

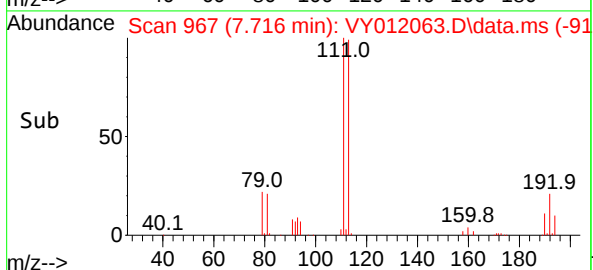
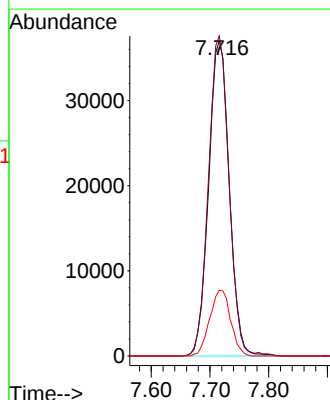
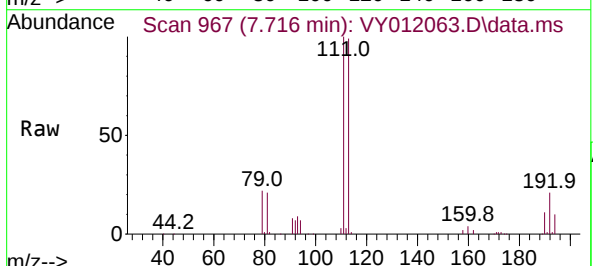
Tgt Ion:113 Resp: 90130

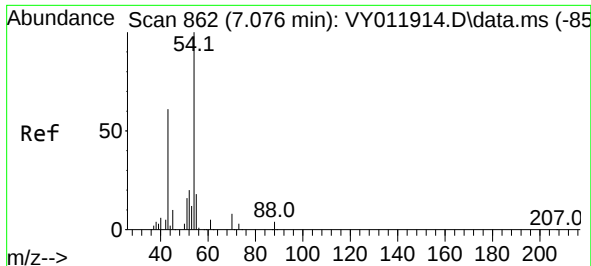
Ion Ratio Lower Upper

113 100

111 101.5 83.0 124.4

192 21.2 16.0 24.0

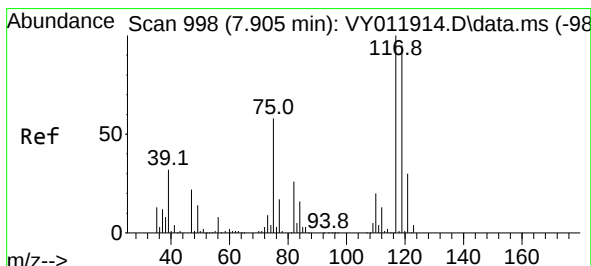
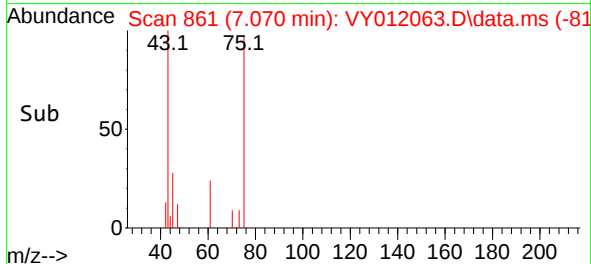
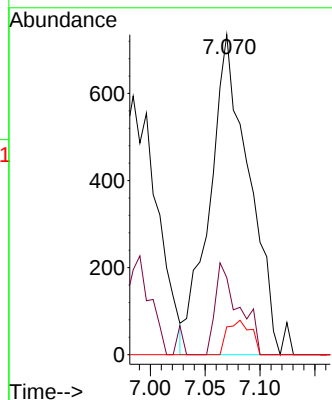
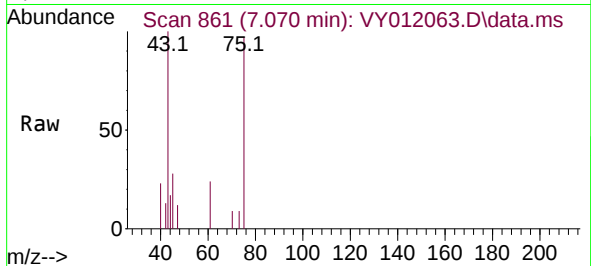




#37
Ethyl Acetate
Concen: 1.533 ug/l
RT: 7.070 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY012063.D
Acq: 04 Jan 2023 12:02

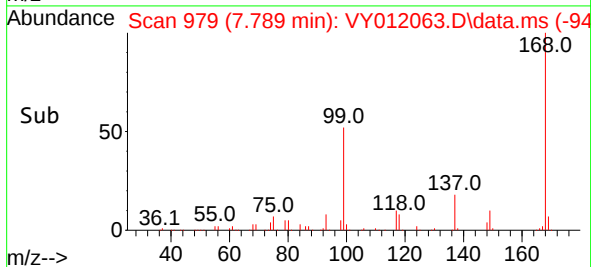
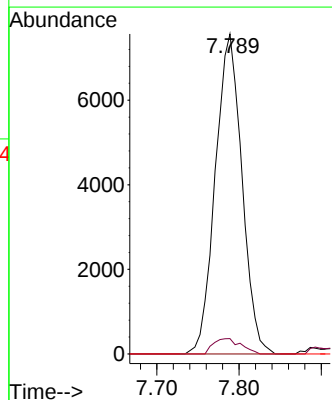
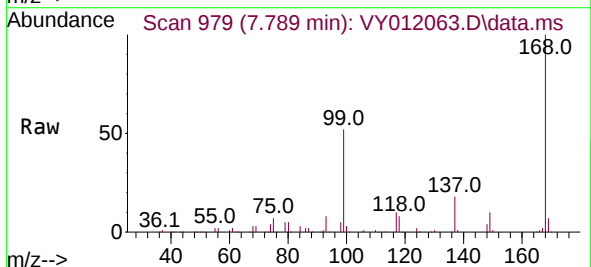
Instrument :
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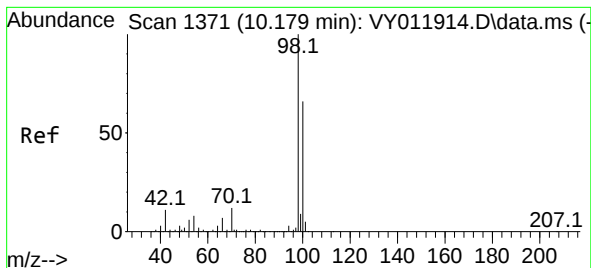
Tgt Ion: 43 Resp: 1818
Ion Ratio Lower Upper
43 100
61 17.5 11.3 16.9#
70 6.5 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 5.568 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY012063.D
Acq: 04 Jan 2023 12:02

Tgt Ion: 117 Resp: 17002
Ion Ratio Lower Upper
117 100
119 4.8 73.8 110.8#
121 0.0 25.2 37.8#

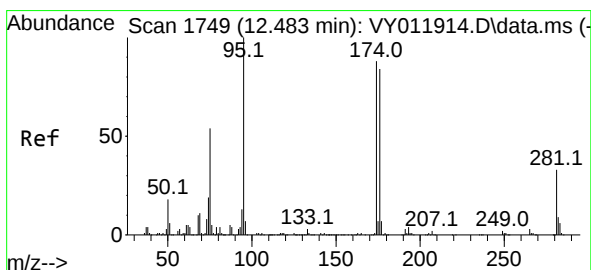
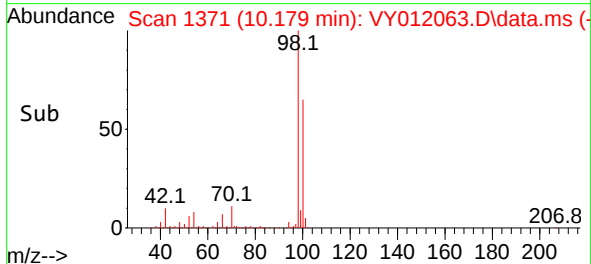
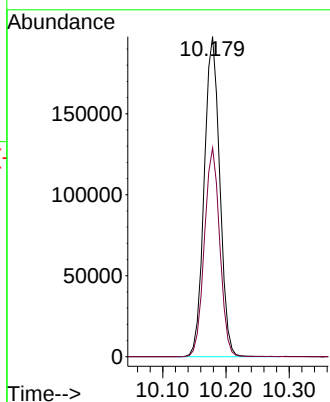
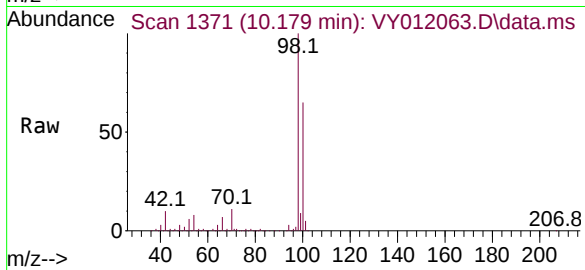




#50
Toluene-d8
Concen: 50.503 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012063.D
Acq: 04 Jan 2023 12:02

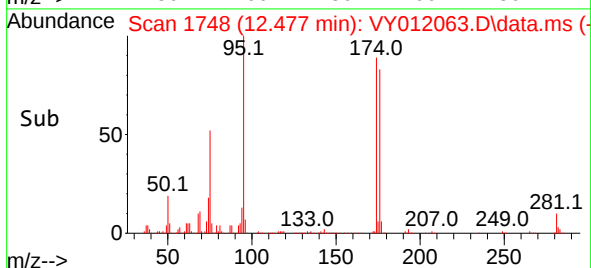
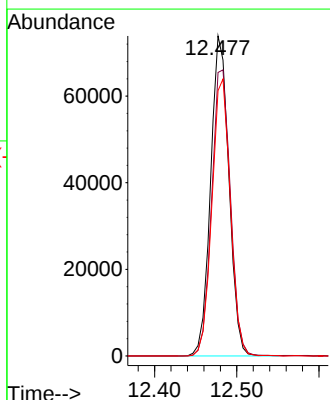
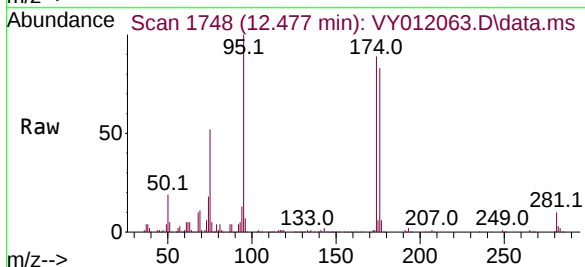
Instrument :
MSVOA_Y
ClientSampleId :
VY0104SBL01

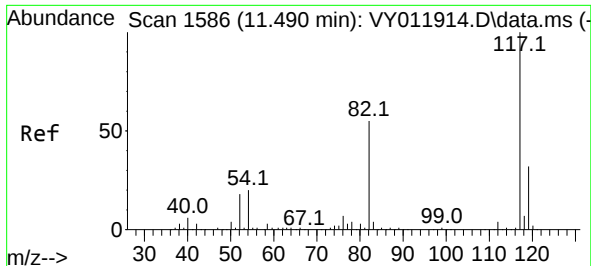
Tgt Ion: 98 Resp: 337742
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 50.761 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012063.D
Acq: 04 Jan 2023 12:02

Tgt Ion: 95 Resp: 114171
Ion Ratio Lower Upper
95 100
174 92.0 0.0 172.0
176 87.4 0.0 167.6

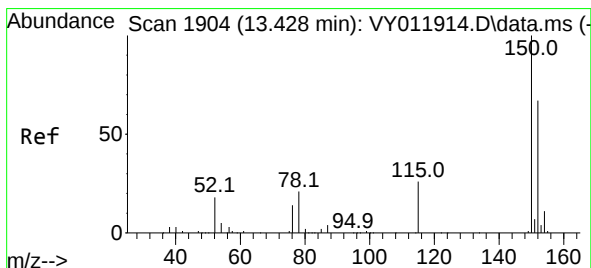
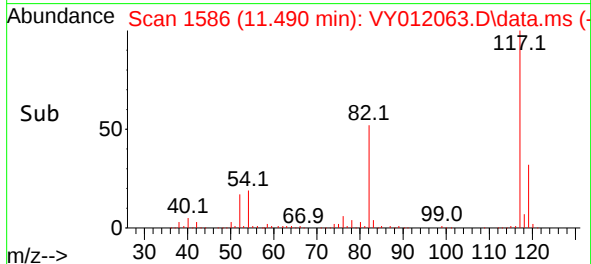
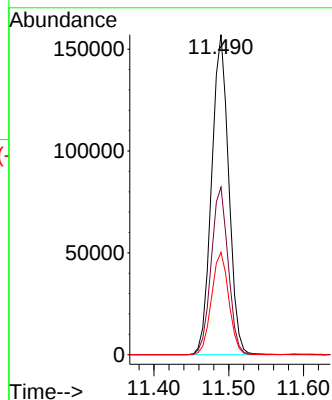
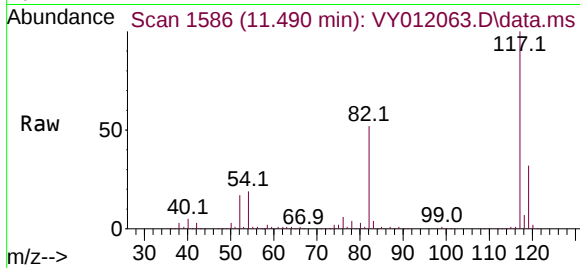




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012063.D
Acq: 04 Jan 2023 12:02

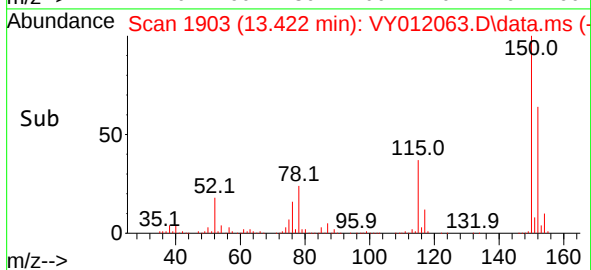
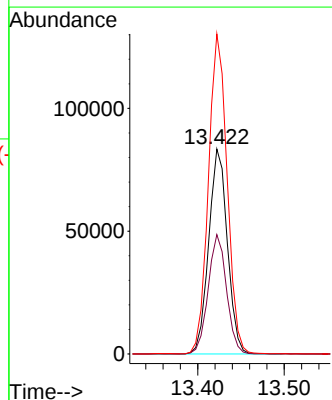
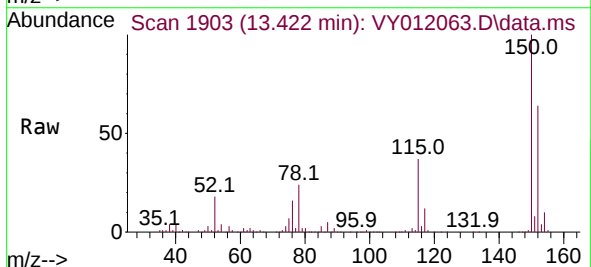
Instrument :
MSVOA_Y
ClientSampleId :
VY0104SBL01

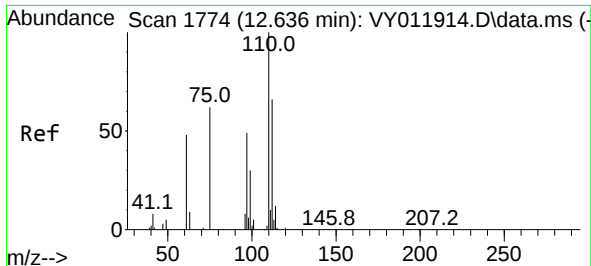
Tgt Ion:117 Resp: 250161
Ion Ratio Lower Upper
117 100
82 52.4 44.8 67.2
119 31.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012063.D
Acq: 04 Jan 2023 12:02

Tgt Ion:152 Resp: 124847
Ion Ratio Lower Upper
152 100
115 57.3 29.1 87.3
150 156.4 0.0 342.6

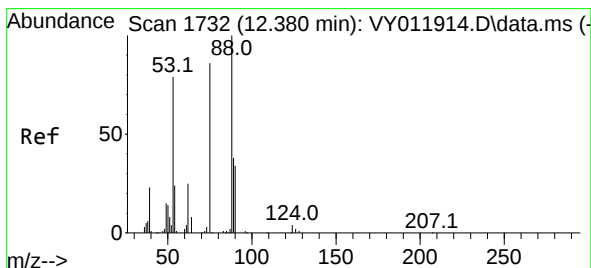
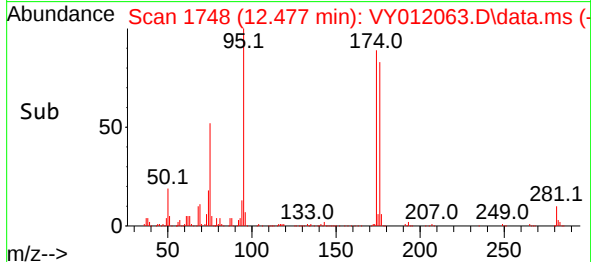
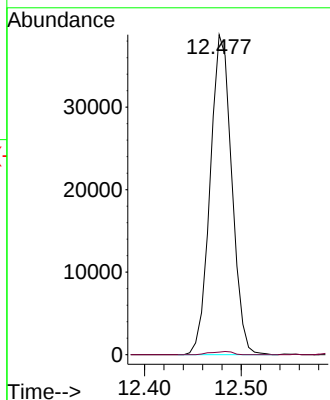
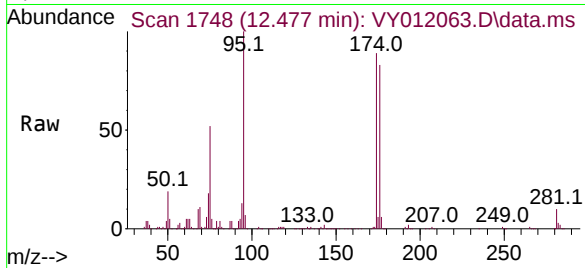




#76
1,2,3-Trichloropropane
Concen: 38.755 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY012063.D
Acq: 04 Jan 2023 12:02

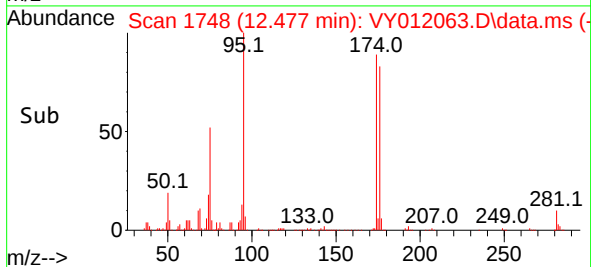
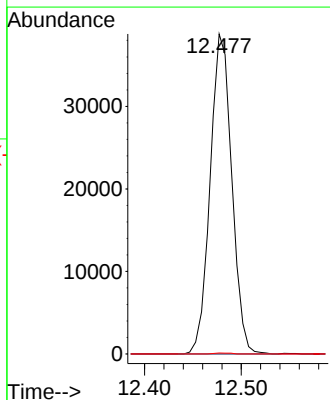
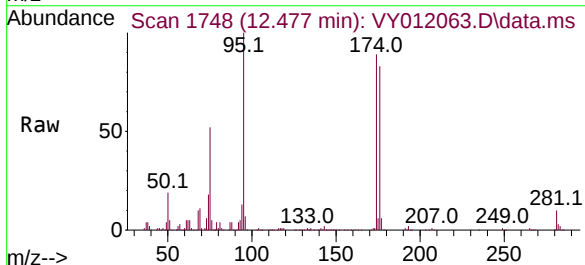
Instrument :
MSVOA_Y
ClientSampleId :
VY0104SBL01

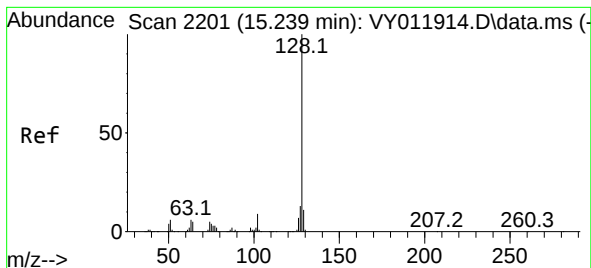
Tgt Ion: 75 Resp: 60206
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.130 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY012063.D
Acq: 04 Jan 2023 12:02

Tgt Ion: 75 Resp: 60206
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.2 37.0 55.4#





#95

Naphthalene

Concen: 3.349 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY012063.D

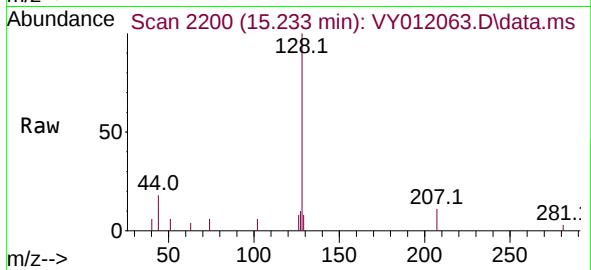
Acq: 04 Jan 2023 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0104SBL01



Tgt Ion:128 Resp: 2779

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

129 10.5 8.8 13.2

