

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010323\
 Data File : VY012059.D
 Acq On : 03 Jan 2023 20:03
 Operator : KP/MD
 Sample : N6235-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-2-122922

Quant Time: Jan 04 01:22:14 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)

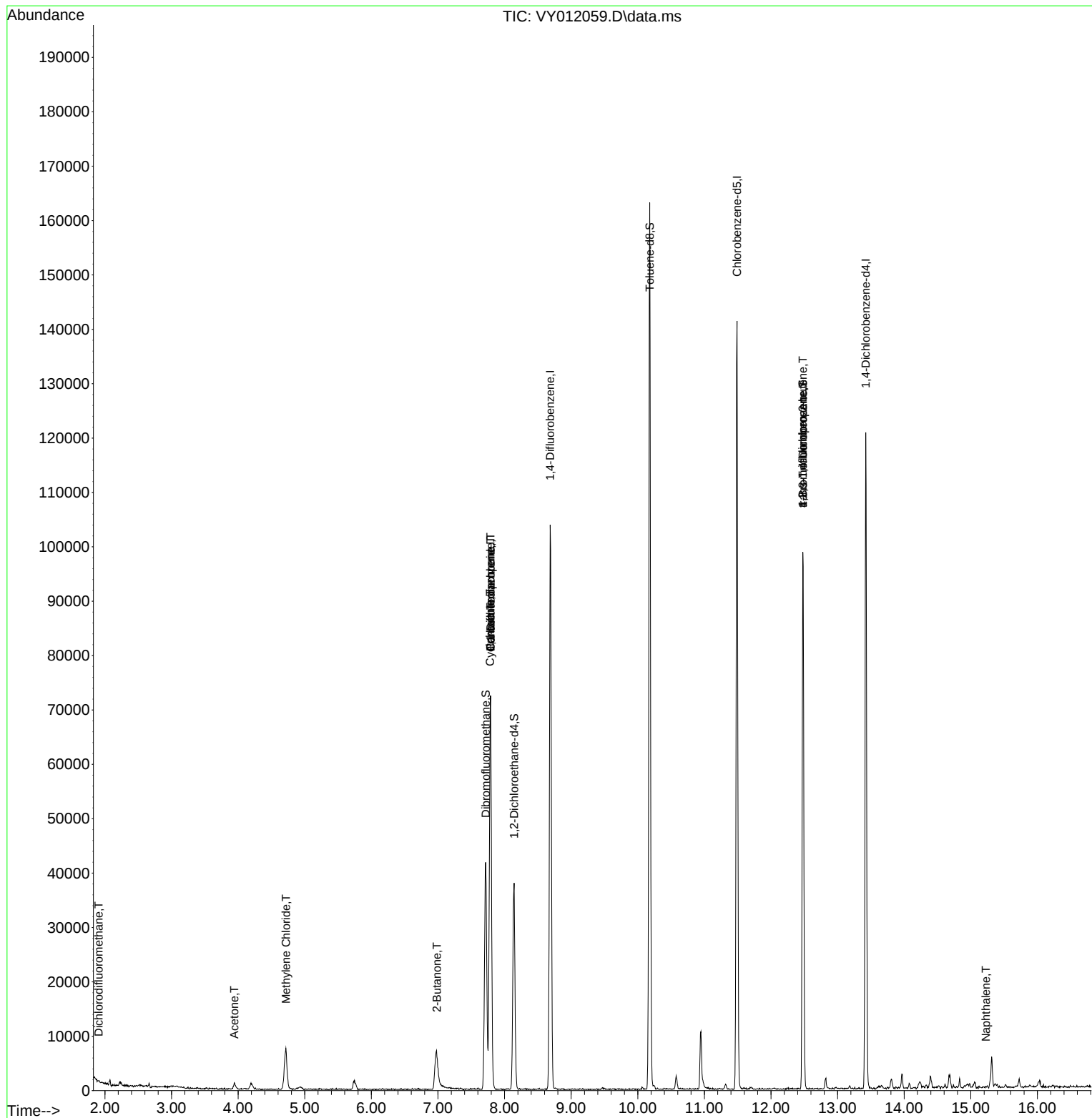
Internal Standards						
1) Pentafluorobenzene	7.789	168	57518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	91647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	81158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	32686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	31412	54.207	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.420%	
35) Dibromofluoromethane	7.716	113	28949	52.468	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.940%	
50) Toluene-d8	10.179	98	109336	48.843	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.680%	
62) 4-Bromofluorobenzene	12.477	95	30546	40.573	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.140%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	20	2.509	ug/l #	41
11) Tert butyl alcohol	4.930	59	816	Below Cal	#	74
16) Acetone	3.942	43	1606	13.976	ug/l	95
20) Methylene Chloride	4.716	84	5875	3.167	ug/l #	84
25) 2-Butanone	6.984	43	688	3.564	ug/l	99
31) Cyclohexane	7.783	56	1078	1.105	ug/l #	48
36) 1,1-Dichloropropene	7.789	75	4295	4.853	ug/l #	48
38) Carbon Tetrachloride	7.789	117	5521	5.402	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	15357	37.758	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	15357	103.400	ug/l #	13
95) Naphthalene	15.227	128	107	2.862	ug/l #	69

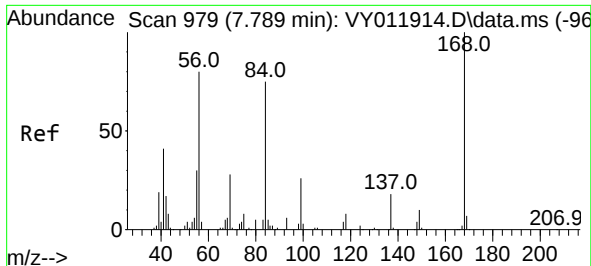
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010323\
Data File : VY012059.D
Acq On : 03 Jan 2023 20:03
Operator : KP/MD
Sample : N6235-01
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OR-2-122922

Quant Time: Jan 04 01:22:14 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

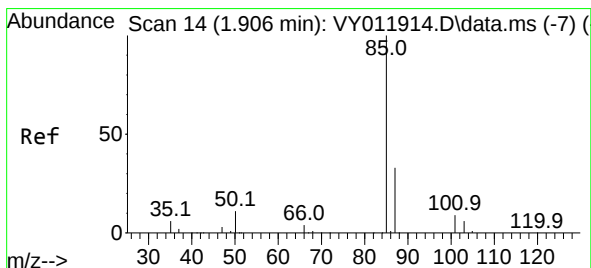
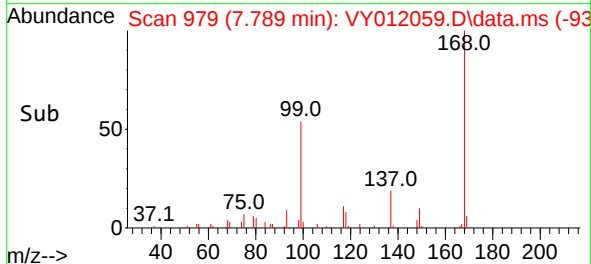
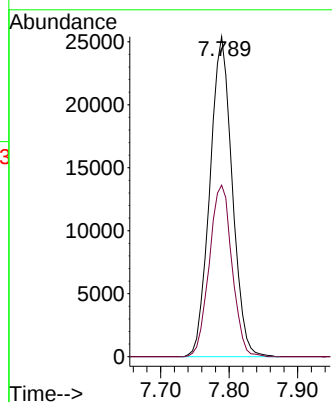
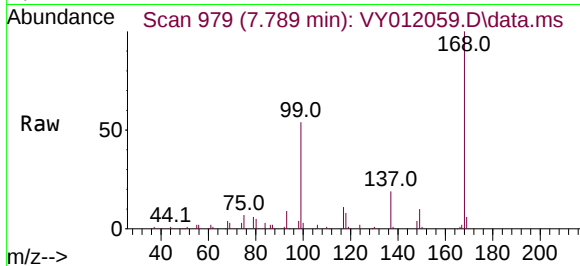




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012059.D
Acq: 03 Jan 2023 20:03

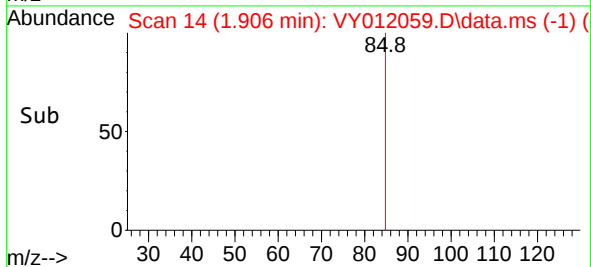
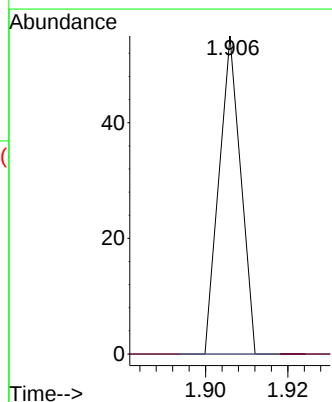
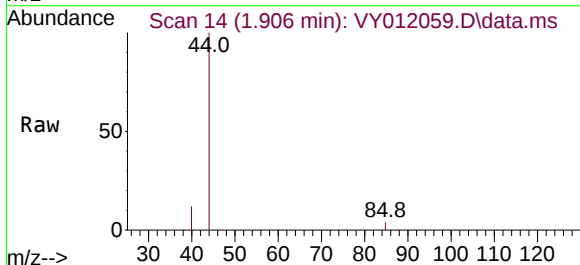
Instrument :
MSVOA_Y
ClientSampleId :
OR-2-122922

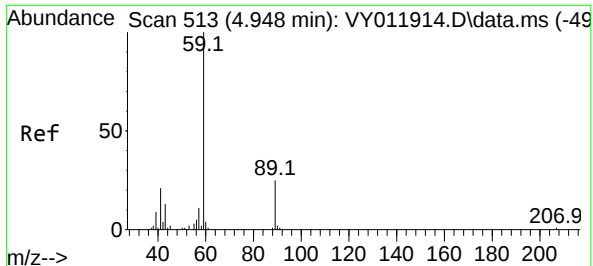
Tgt Ion:168 Resp: 57518
Ion Ratio Lower Upper
168 100
99 53.6 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.509 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012059.D
Acq: 03 Jan 2023 20:03

Tgt Ion: 85 Resp: 20
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.930 min Scan# 513

Delta R.T. -0.018 min

Lab File: VY012059.D

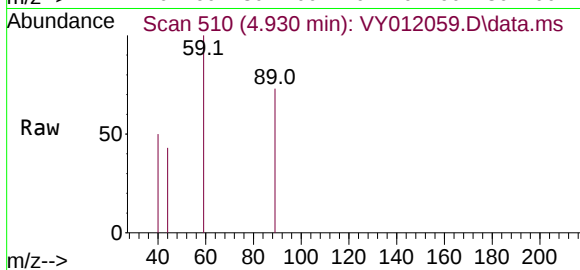
Acq: 03 Jan 2023 20:03

Instrument :

MSVOA_Y

ClientSampleId :

OR-2-122922

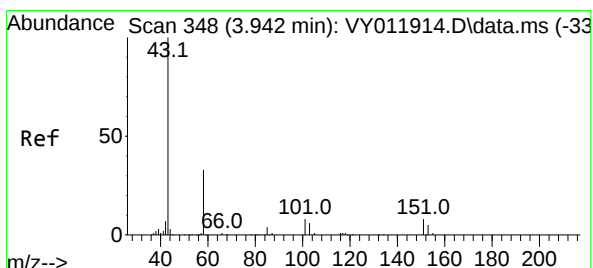
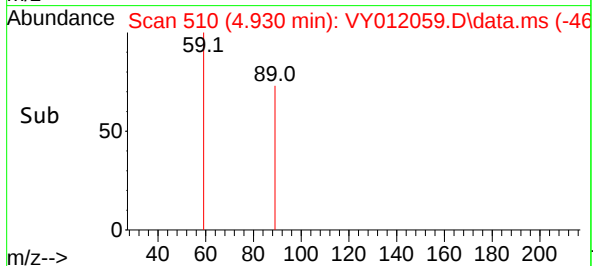
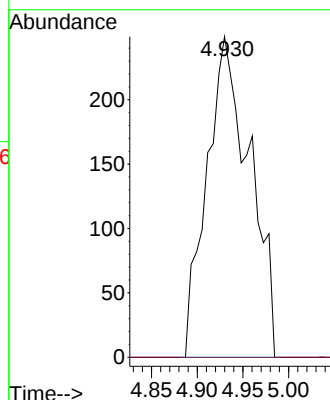


Tgt Ion: 59 Resp: 816

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 13.976 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.006 min

Lab File: VY012059.D

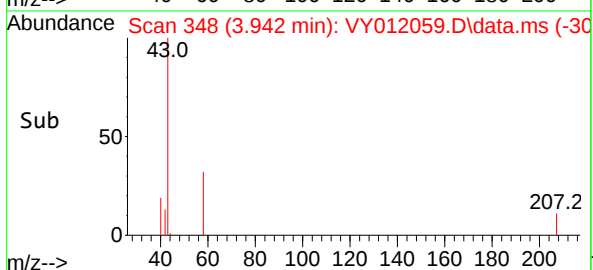
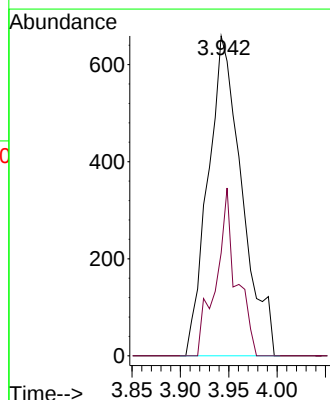
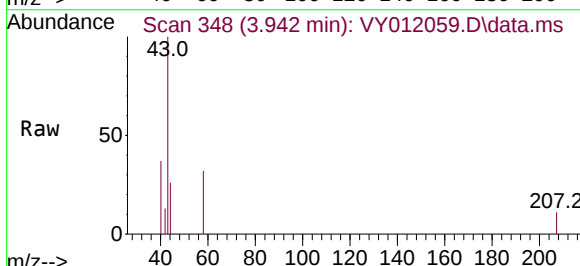
Acq: 03 Jan 2023 20:03

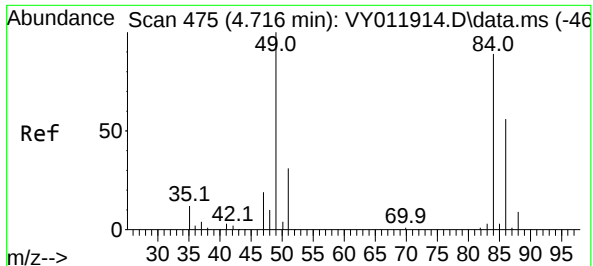
Tgt Ion: 43 Resp: 1606

Ion Ratio Lower Upper

43 100

58 32.2 27.9 41.9

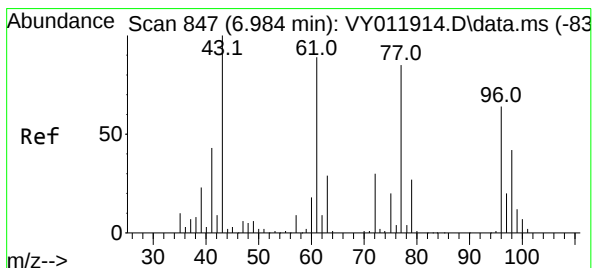
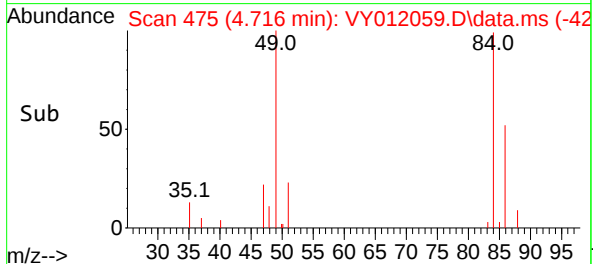
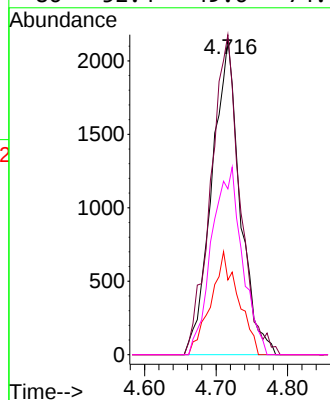
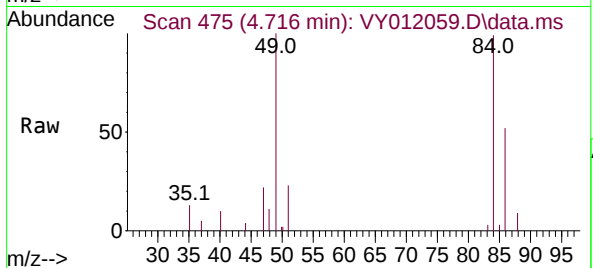




#20
Methylene Chloride
Concen: 3.167 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012059.D
Acq: 03 Jan 2023 20:03

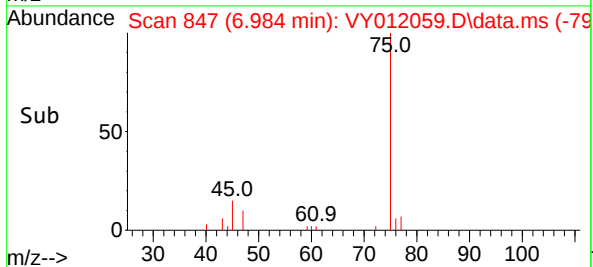
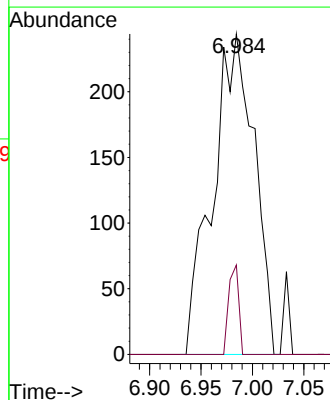
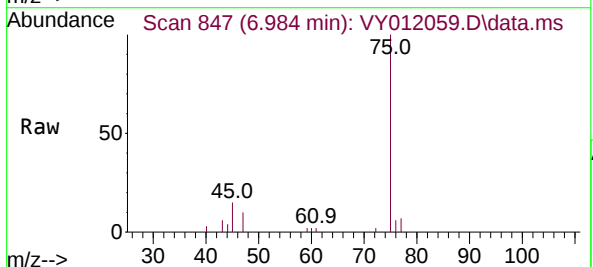
Instrument :
MSVOA_Y
ClientSampleId :
OR-2-122922

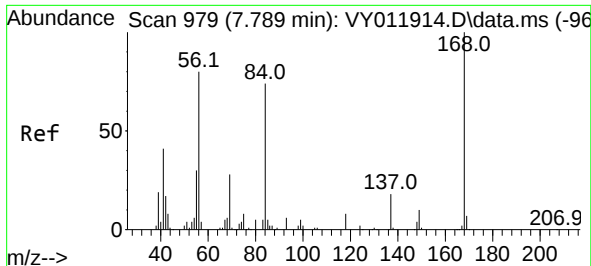
Tgt Ion: 84	Resp: 5875
Ion Ratio	Lower Upper
84 100	
49 101.2	95.4 143.2
51 23.7	29.9 44.9#
86 52.4	49.6 74.4



#25
2-Butanone
Concen: 3.564 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY012059.D
Acq: 03 Jan 2023 20:03

Tgt Ion: 43	Resp: 688		
Ion Ratio	Lower	Upper	
43 100			
72 27.9	22.6	34.0	

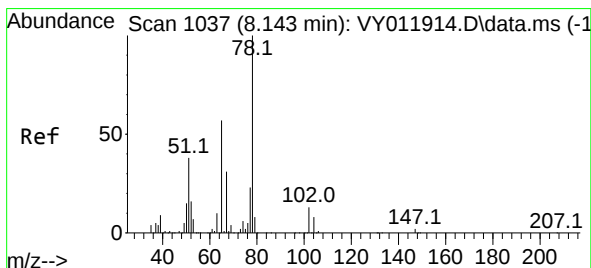
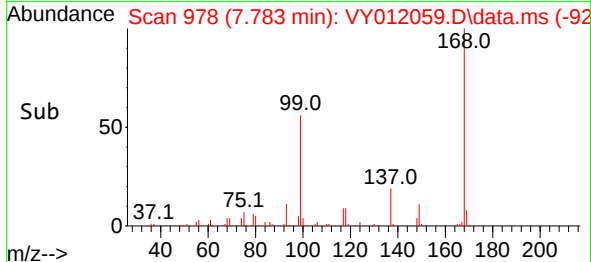
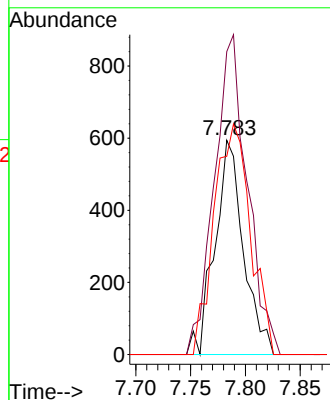
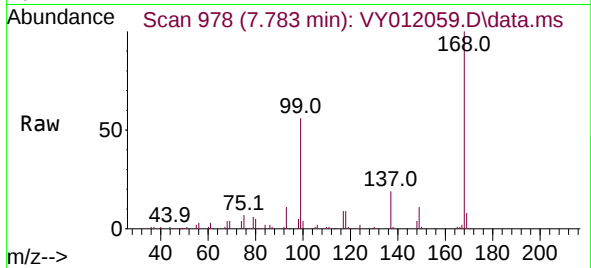




#31
Cyclohexane
Concen: 1.105 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012059.D
Acq: 03 Jan 2023 20:03

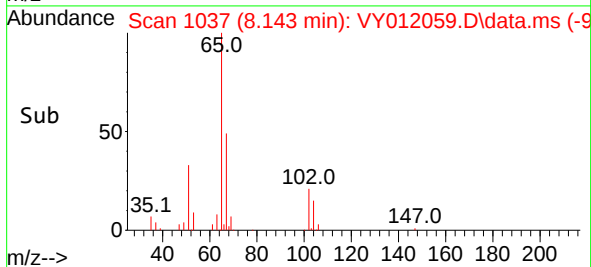
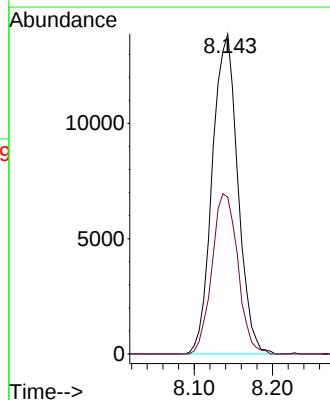
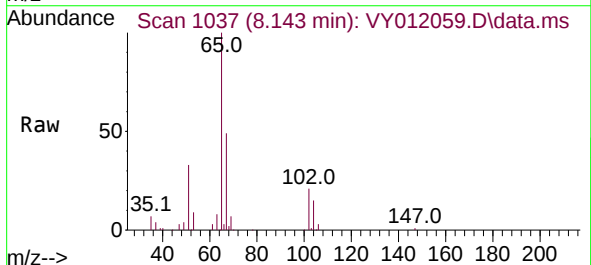
Instrument :
MSVOA_Y
ClientSampleId :
OR-2-122922

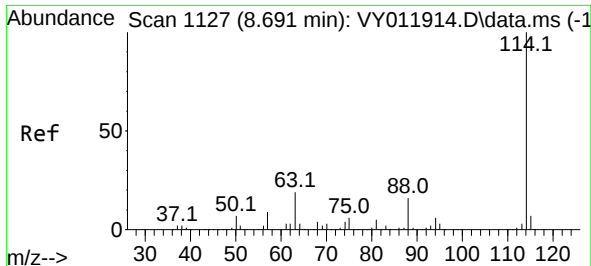
Tgt Ion: 56 Resp: 1078
Ion Ratio Lower Upper
56 100
69 141.4 29.2 43.8#
84 92.6 72.6 108.8



#33
1,2-Dichloroethane-d4
Concen: 54.207 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012059.D
Acq: 03 Jan 2023 20:03

Tgt Ion: 65 Resp: 31412
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012059.D

Acq: 03 Jan 2023 20:03

Instrument :

MSVOA_Y

ClientSampleId :

OR-2-122922

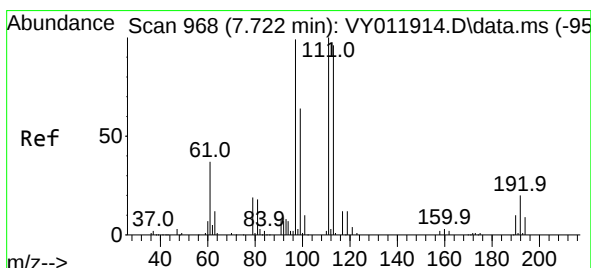
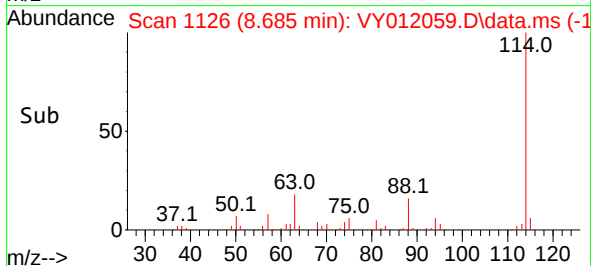
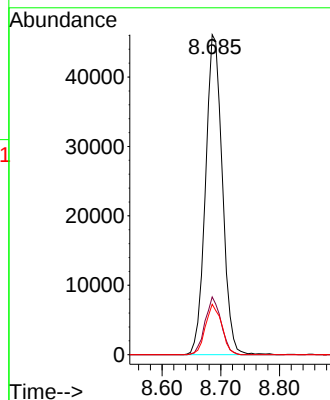
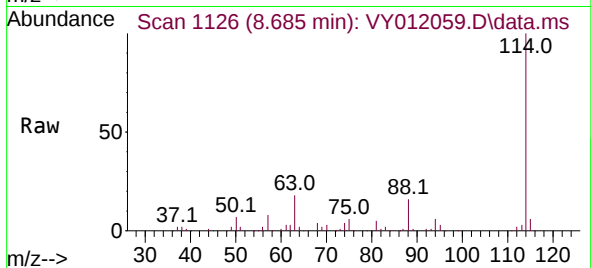
Tgt Ion:114 Resp: 91647

Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.6

88 15.8 0.0 32.2



#35

Dibromofluoromethane

Concen: 52.468 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012059.D

Acq: 03 Jan 2023 20:03

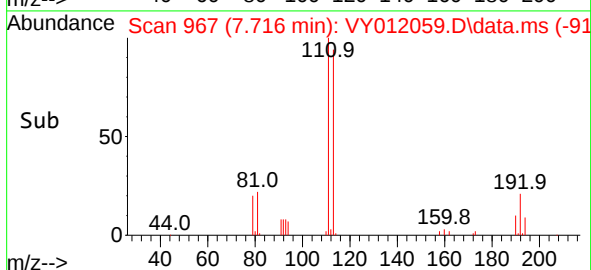
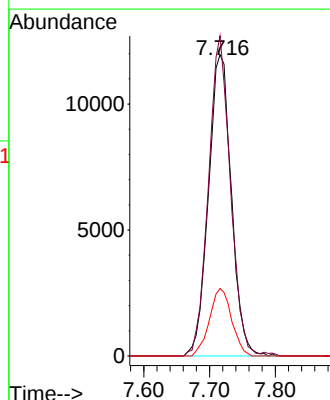
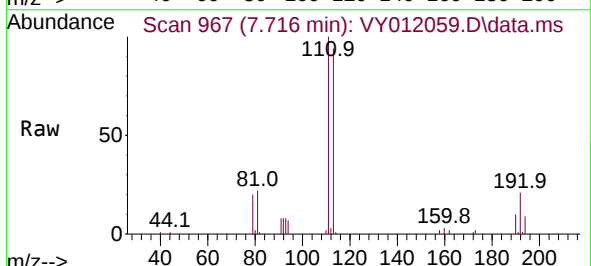
Tgt Ion:113 Resp: 28949

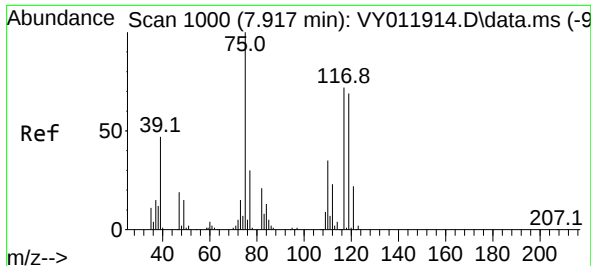
Ion Ratio Lower Upper

113 100

111 101.5 83.0 124.4

192 21.7 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.853 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012059.D

Acq: 03 Jan 2023 20:03

Instrument :

MSVOA_Y

ClientSampleId :

OR-2-122922

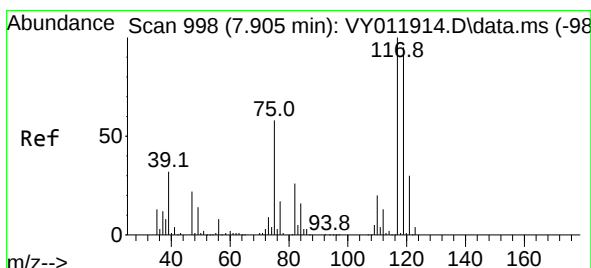
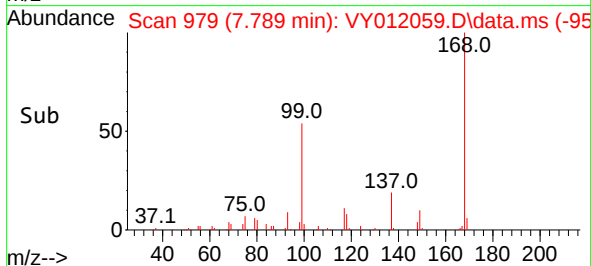
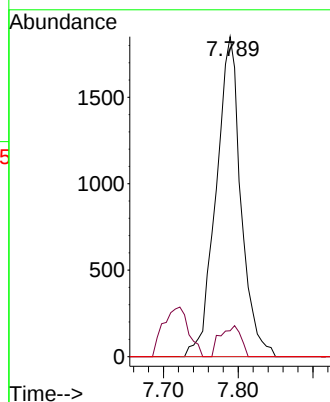
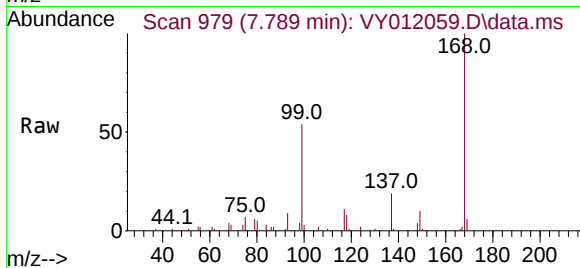
Tgt Ion: 75 Resp: 4295

Ion Ratio Lower Upper

75 100

110 8.0 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.402 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY012059.D

Acq: 03 Jan 2023 20:03

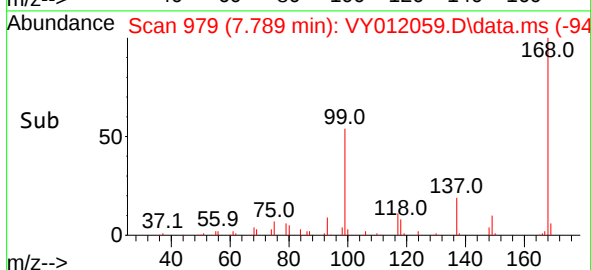
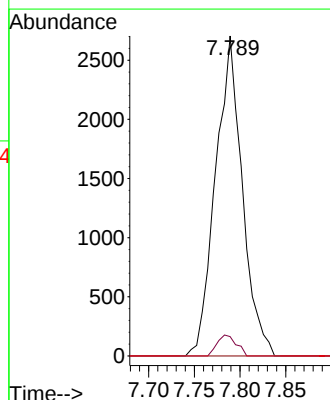
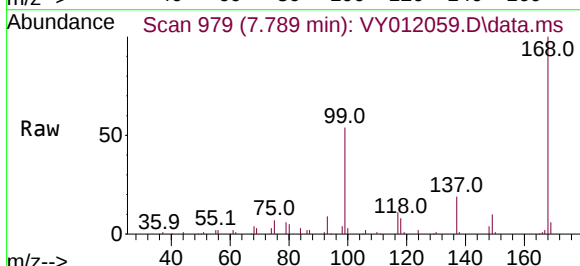
Tgt Ion: 117 Resp: 5521

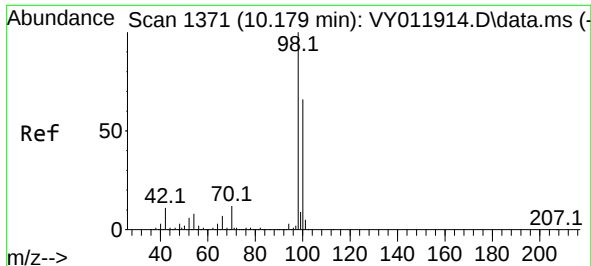
Ion Ratio Lower Upper

117 100

119 6.1 73.8 110.8#

121 0.0 25.2 37.8#

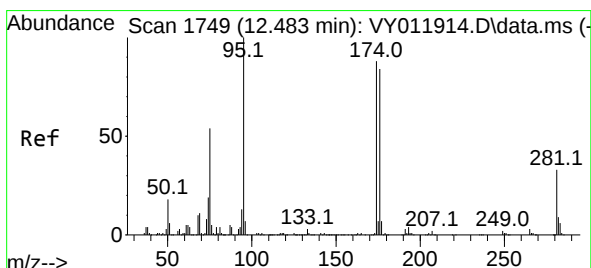
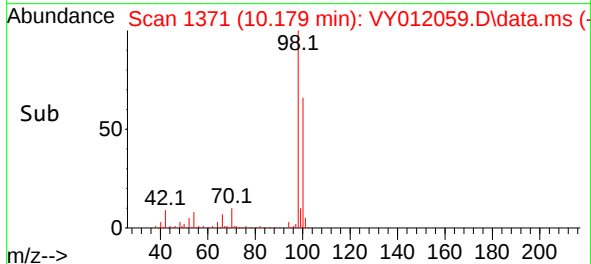
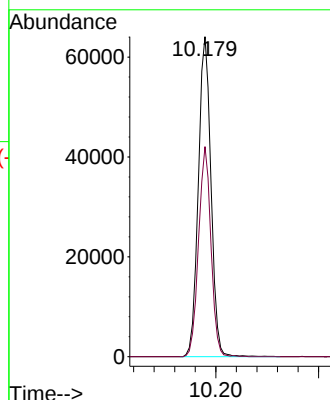
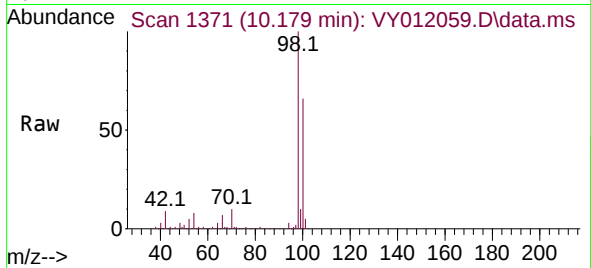




#50
Toluene-d8
Concen: 48.843 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012059.D
Acq: 03 Jan 2023 20:03

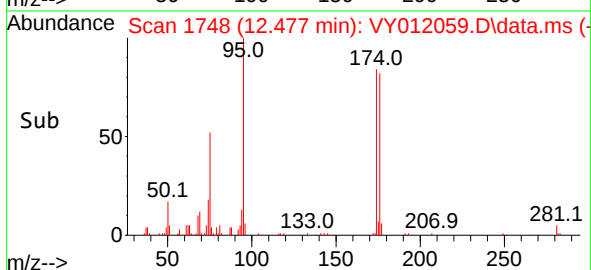
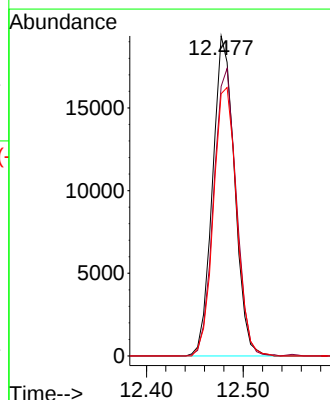
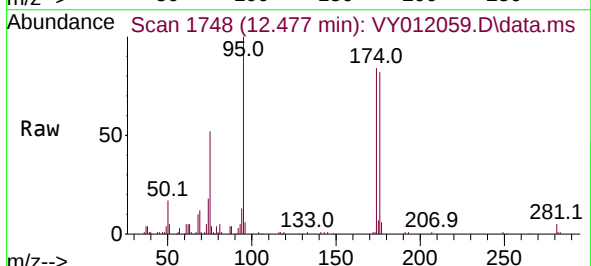
Instrument :
MSVOA_Y
ClientSampleId :
OR-2-122922

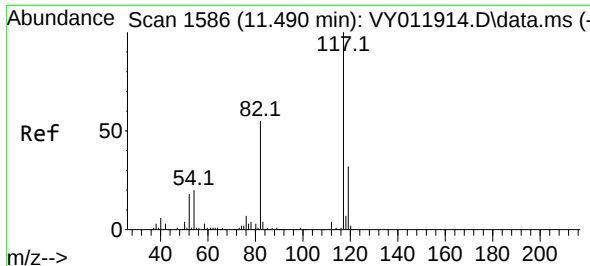
Tgt Ion: 98 Resp: 109336
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 40.573 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012059.D
Acq: 03 Jan 2023 20:03

Tgt Ion: 95 Resp: 30546
Ion Ratio Lower Upper
95 100
174 92.5 0.0 172.0
176 88.4 0.0 167.6

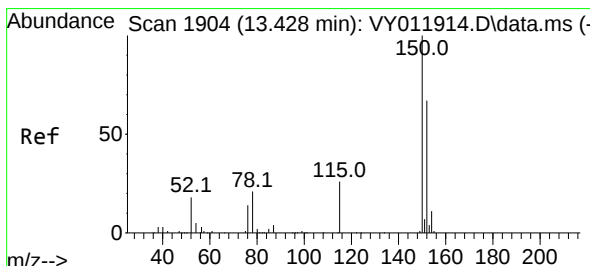
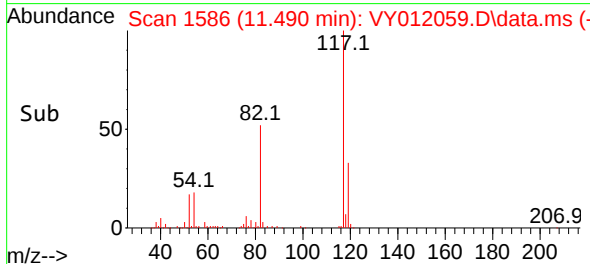
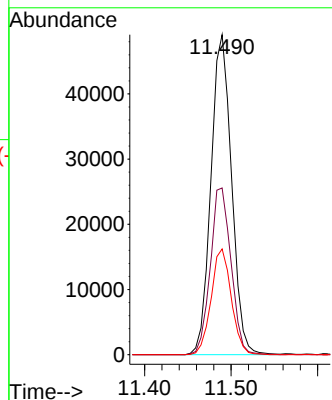
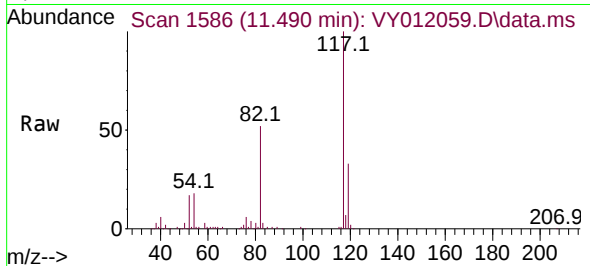




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY012059.D
Acq: 03 Jan 2023 20:03

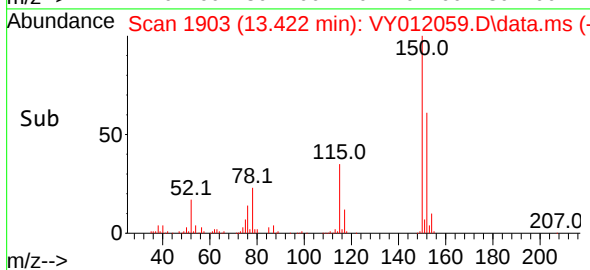
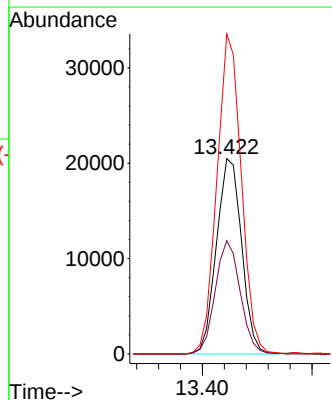
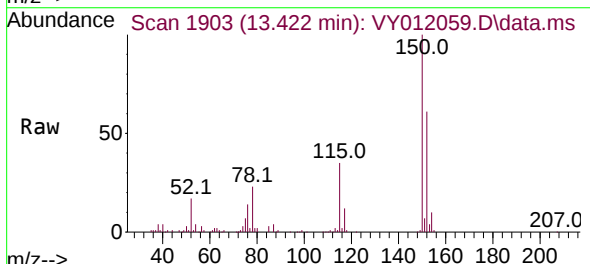
Instrument :
MSVOA_Y
ClientSampleId :
OR-2-122922

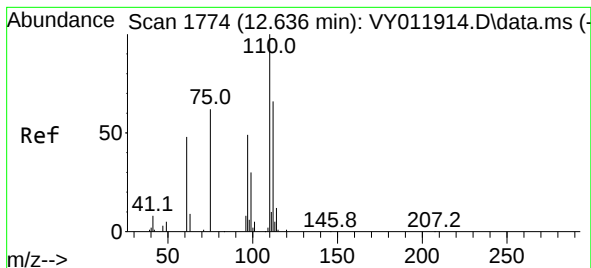
Tgt Ion:117 Resp: 81158
Ion Ratio Lower Upper
117 100
82 52.1 44.8 67.2
119 33.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012059.D
Acq: 03 Jan 2023 20:03

Tgt Ion:152 Resp: 32686
Ion Ratio Lower Upper
152 100
115 57.5 29.1 87.3
150 158.6 0.0 342.6





#76

1,2,3-Trichloropropane

Concen: 37.758 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY012059.D

Acq: 03 Jan 2023 20:03

Instrument :

MSVOA_Y

ClientSampleId :

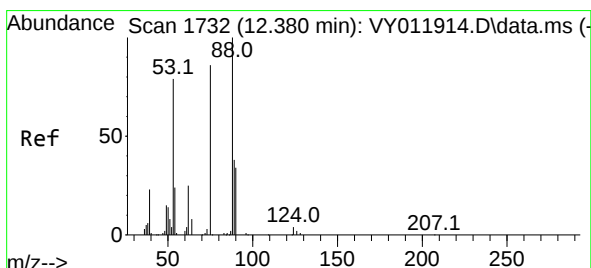
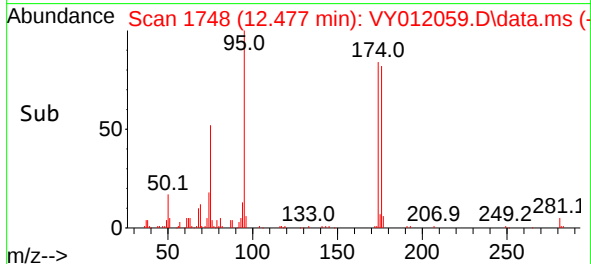
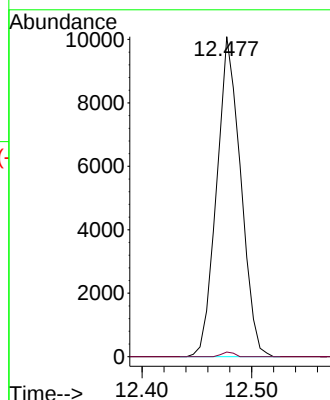
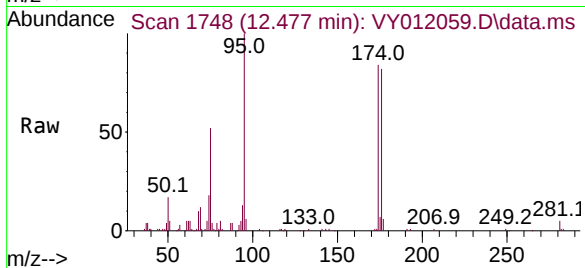
OR-2-122922

Tgt Ion: 75 Resp: 15357

Ion Ratio Lower Upper

75 100

77 0.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 103.400 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY012059.D

Acq: 03 Jan 2023 20:03

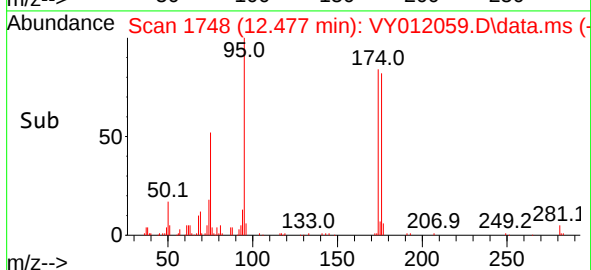
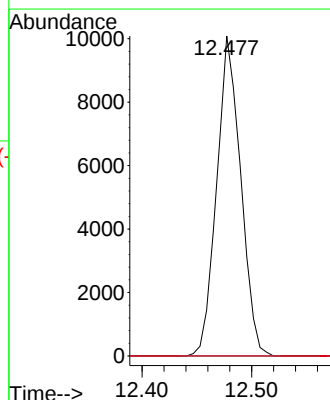
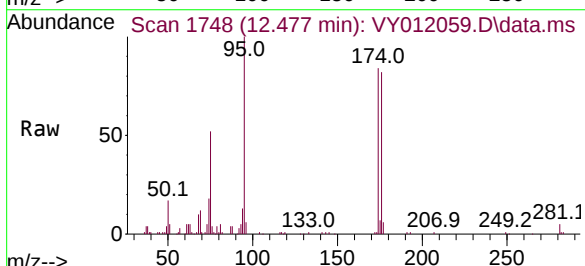
Tgt Ion: 75 Resp: 15357

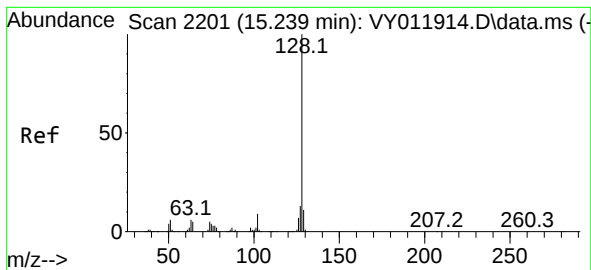
Ion Ratio Lower Upper

75 100

53 0.0 72.5 108.7#

89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 2.862 ug/l
RT: 15.227 min Scan# 21
Delta R.T. -0.012 min
Lab File: VY012059.D
Acq: 03 Jan 2023 20:03

Instrument :
MSVOA_Y
ClientSampleId :
OR-2-122922

Tgt Ion:128 Resp: 107
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

