

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121422\
 Data File : VY011852.D
 Acq On : 14 Dec 2022 17:49
 Operator : KP/MD
 Sample : N6038-05
 Misc : 4.89g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-31-(1-3)

Quant Time: Dec 15 01:22:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

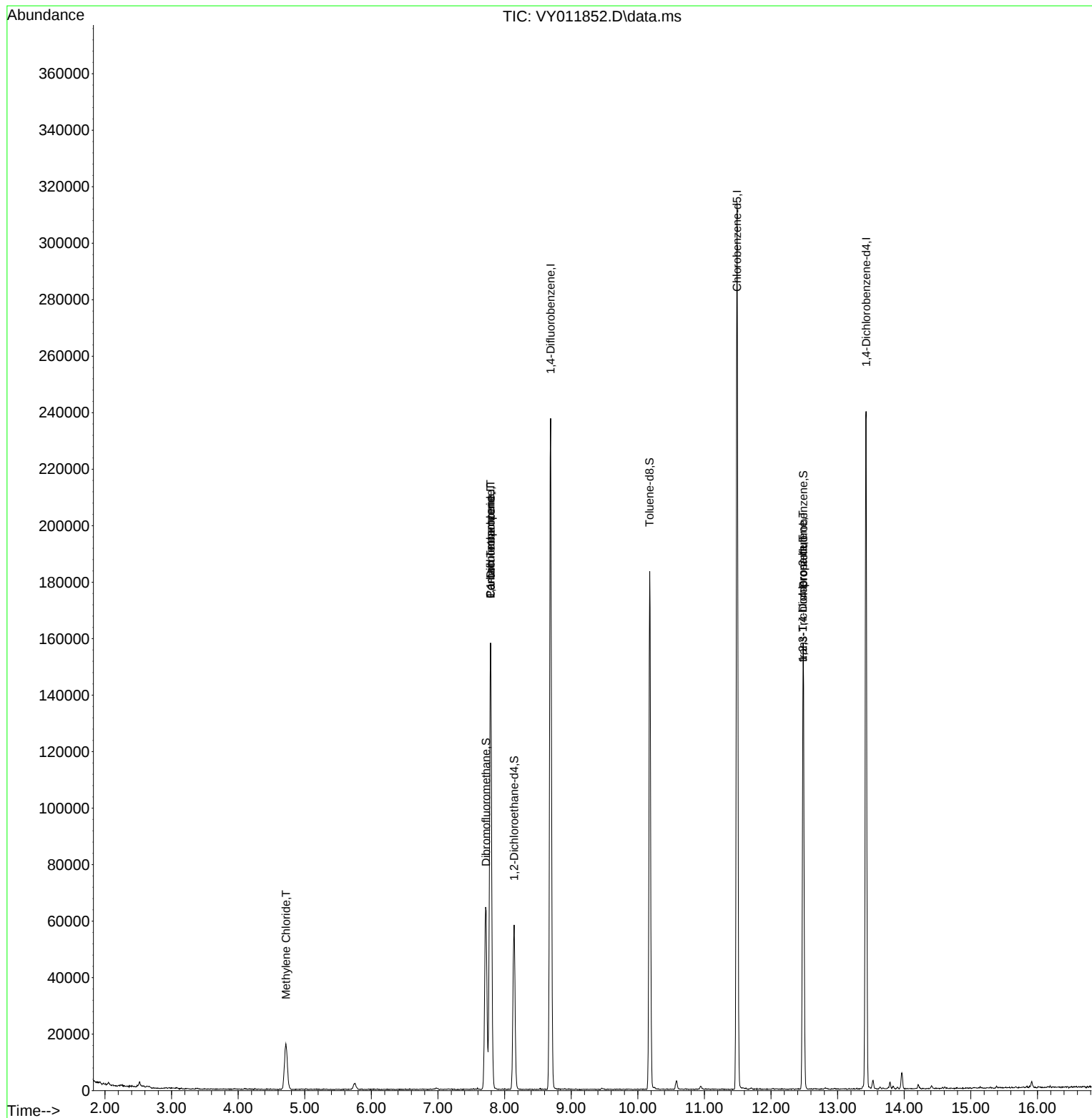
Internal Standards						
1) Pentafluorobenzene	7.789	168	123187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	200702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	169821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	65399	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	47313	56.950	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.900%	
35) Dibromofluoromethane	7.722	113	46267	52.045	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.080%	
50) Toluene-d8	10.179	98	122375	40.612	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 81.220%	
62) 4-Bromofluorobenzene	12.483	95	41253	33.990	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 67.980%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	106	Below Cal	#	41
4) Vinyl Chloride	2.497	62	23	Below Cal	#	43
5) Bromomethane	2.668	94	86	Below Cal		96
11) Tert butyl alcohol	4.936	59	38	Below Cal	#	74
18) Methyl Acetate	4.485	43	19	Below Cal	#	50
20) Methylene Chloride	4.716	84	12220	4.907	ug/l	94
31) Cyclohexane	7.789	56	2452	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	9221	6.054	ug/l #	49
38) Carbon Tetrachloride	7.789	117	12092	6.759	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	21383	32.317	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	21383	73.334	ug/l #	13

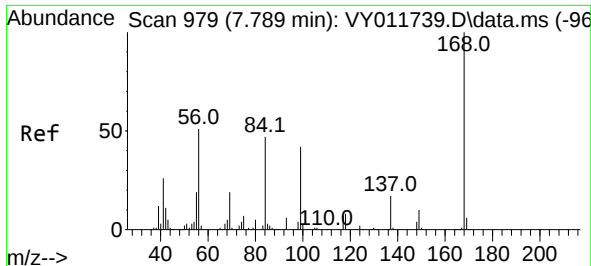
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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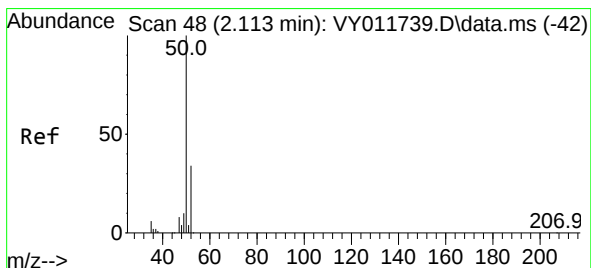
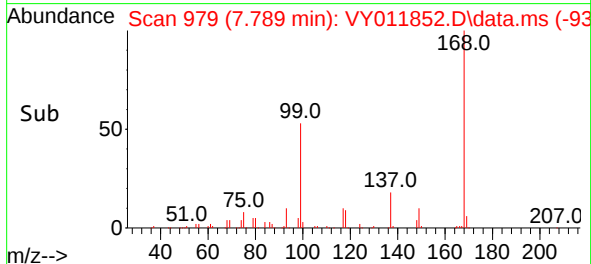
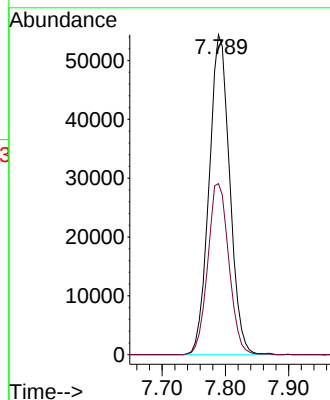
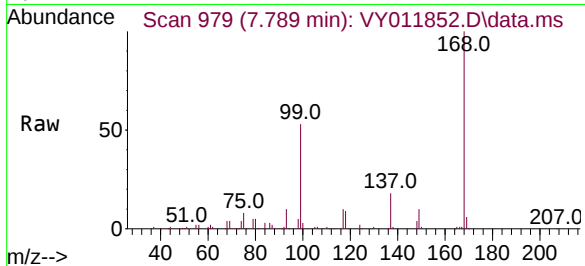




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011852.D
Acq: 14 Dec 2022 17:49

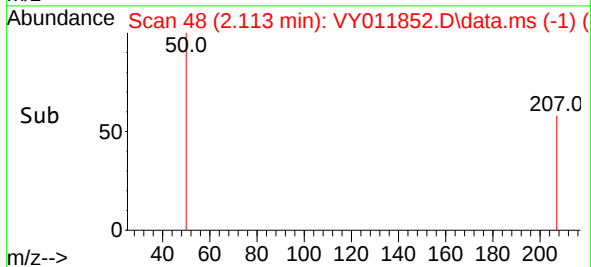
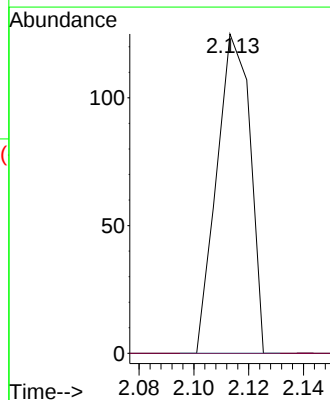
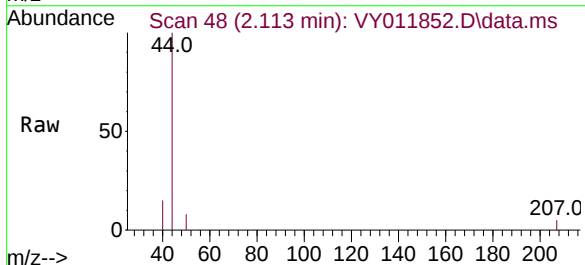
Instrument :
MSVOA_Y
ClientSampleId :
RB-31-(1-3)

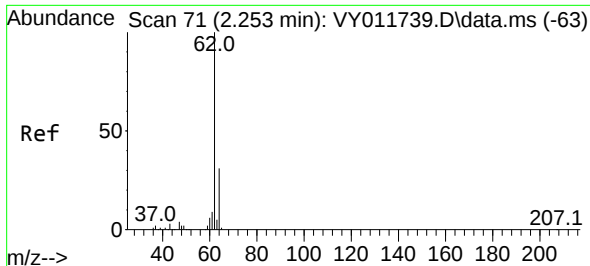
Tgt Ion:168 Resp: 123187
Ion Ratio Lower Upper
168 100
99 53.4 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011852.D
Acq: 14 Dec 2022 17:49

Tgt Ion: 50 Resp: 106
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

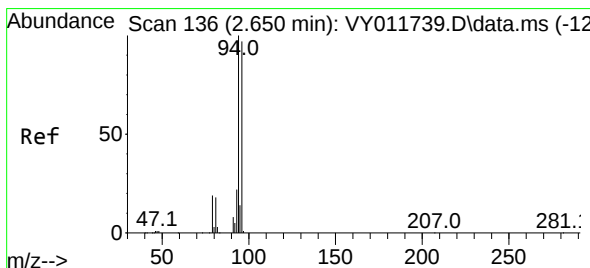
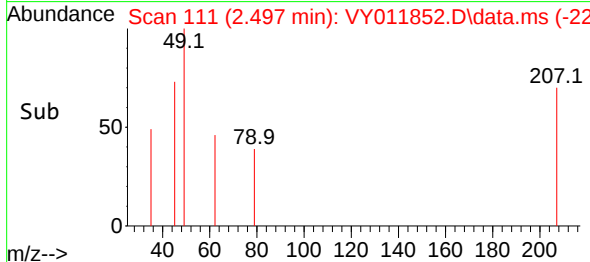
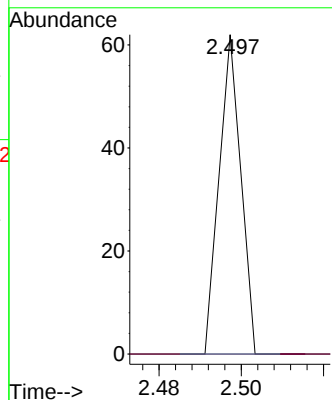
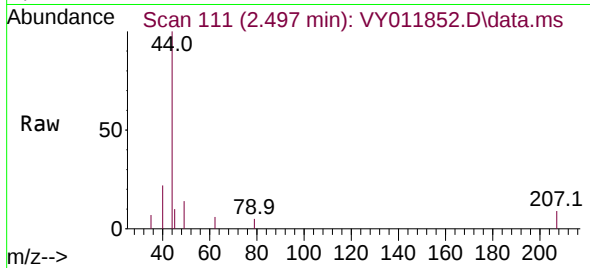




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.497 min Scan# 111
 Delta R.T. 0.244 min
 Lab File: VY011852.D
 Acq: 14 Dec 2022 17:49

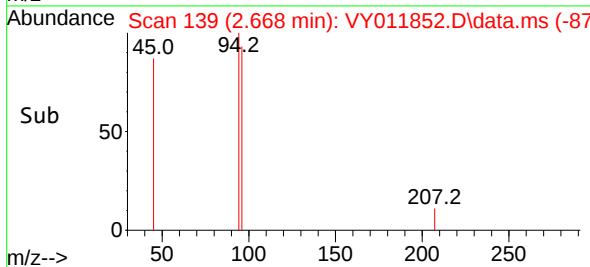
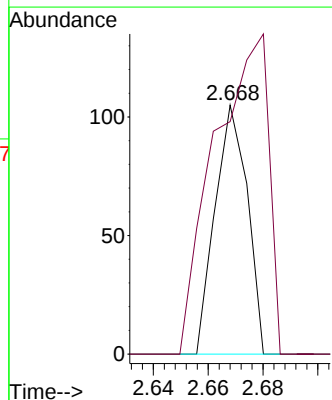
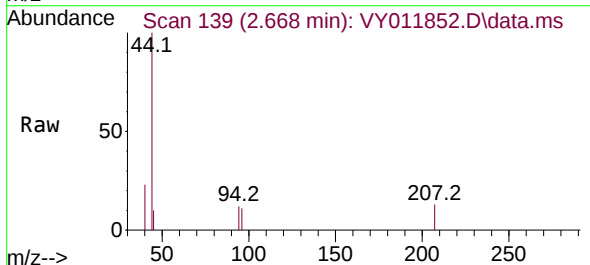
Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-31-(1-3)

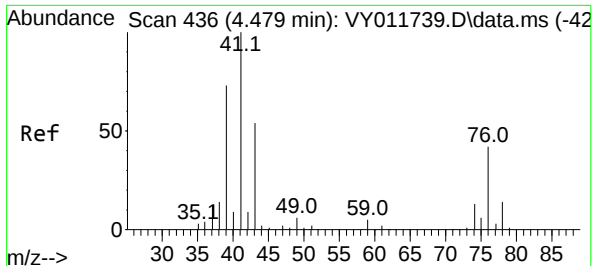
Tgt Ion: 62 Resp: 23
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.668 min Scan# 139
 Delta R.T. 0.018 min
 Lab File: VY011852.D
 Acq: 14 Dec 2022 17:49

Tgt Ion: 94 Resp: 86
 Ion Ratio Lower Upper
 94 100
 96 93.3 77.4 116.2

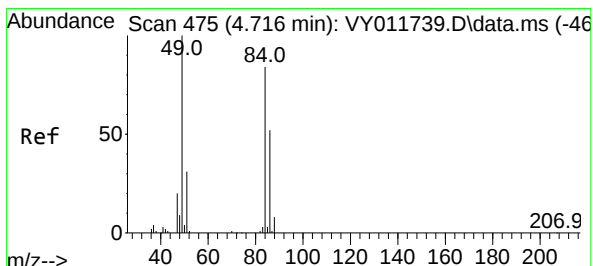
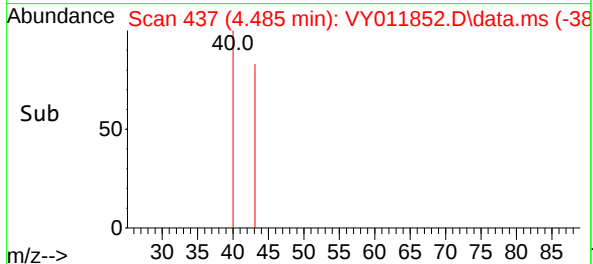
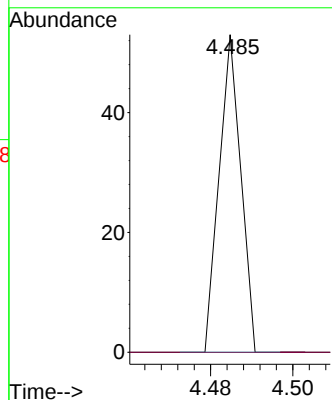
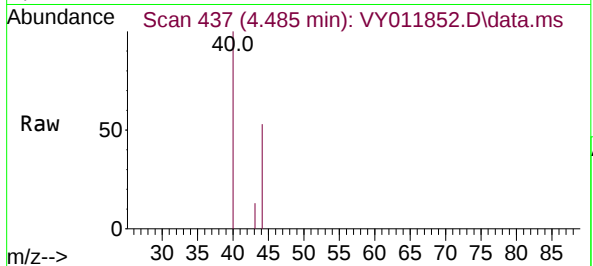




#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011852.D
Acq: 14 Dec 2022 17:49

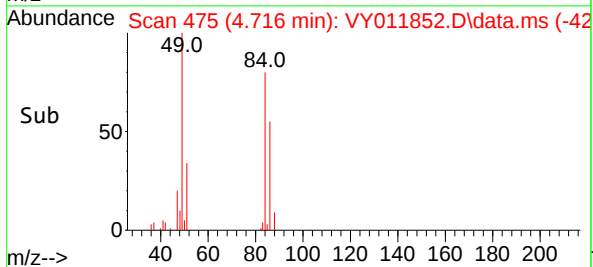
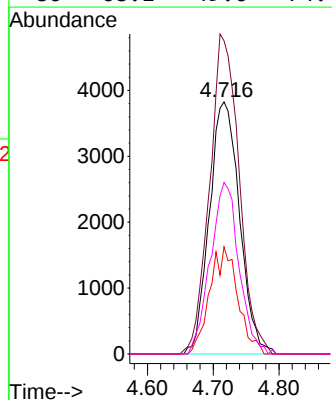
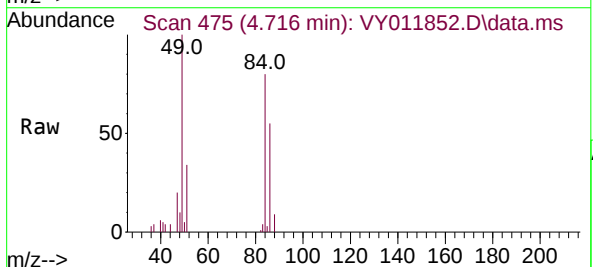
Instrument :
MSVOA_Y
ClientSampleId :
RB-31-(1-3)

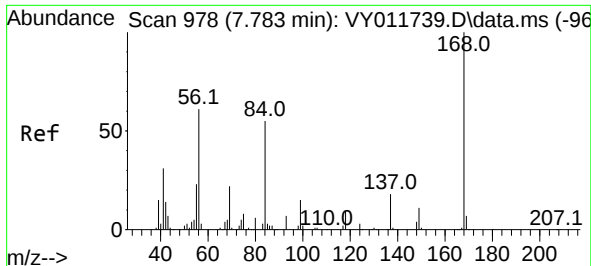
Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 4.907 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011852.D
Acq: 14 Dec 2022 17:49

Tgt Ion: 84 Resp: 12220
Ion Ratio Lower Upper
84 100
49 124.3 95.4 143.2
51 42.5 29.9 44.9
86 68.1 49.6 74.4

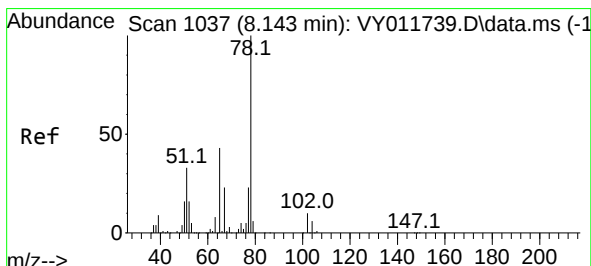
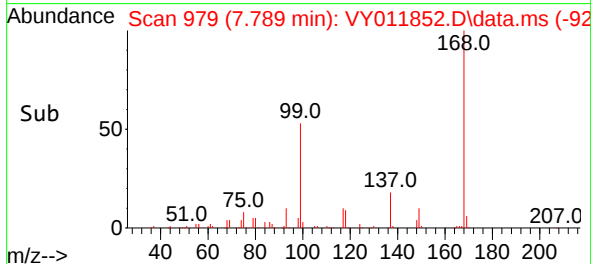
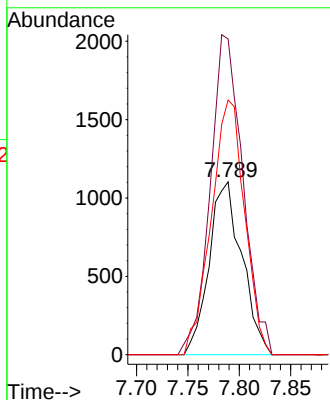
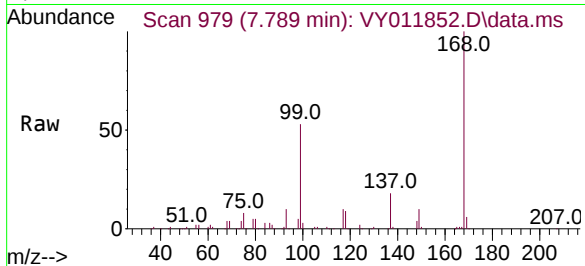




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011852.D
Acq: 14 Dec 2022 17:49

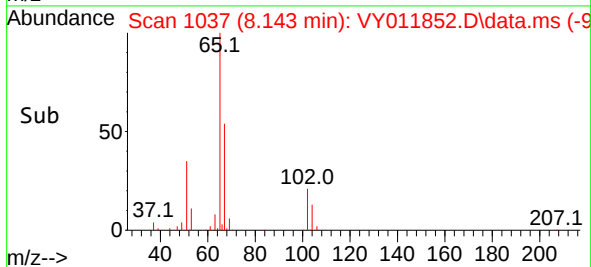
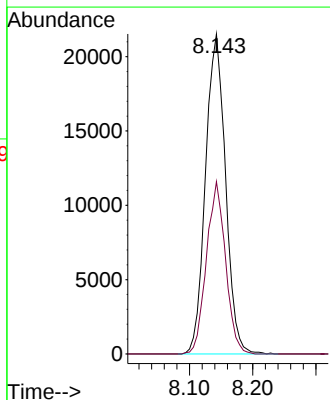
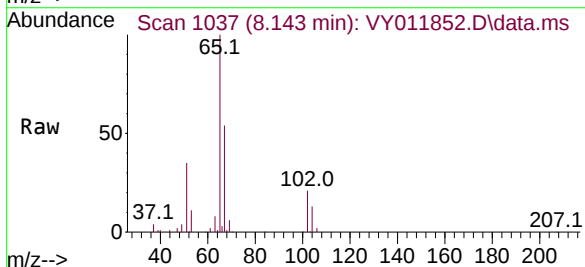
Instrument :
MSVOA_Y
ClientSampleId :
RB-31-(1-3)

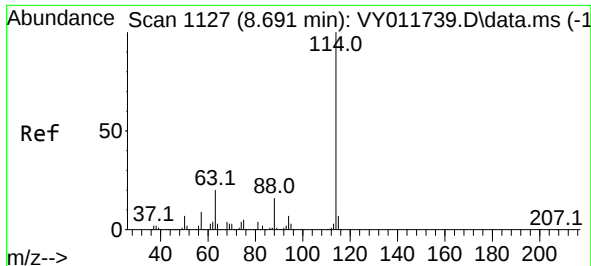
Tgt Ion: 56 Resp: 2452
Ion Ratio Lower Upper
56 100
69 182.6 29.2 43.8#
84 147.4 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 56.950 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011852.D
Acq: 14 Dec 2022 17:49

Tgt Ion: 65 Resp: 47313
Ion Ratio Lower Upper
65 100
67 51.4 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: VY011852.D

Acq: 14 Dec 2022 17:49

Instrument :

MSVOA_Y

ClientSampleId :

RB-31-(1-3)

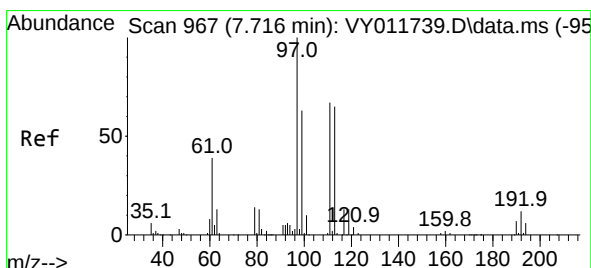
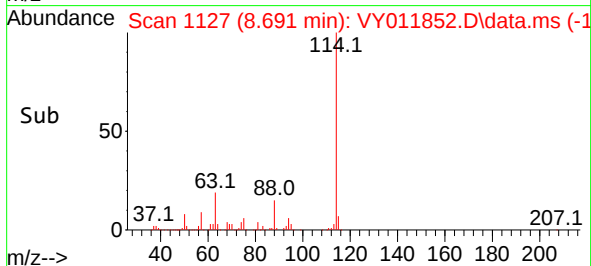
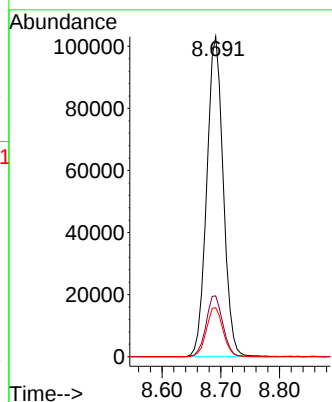
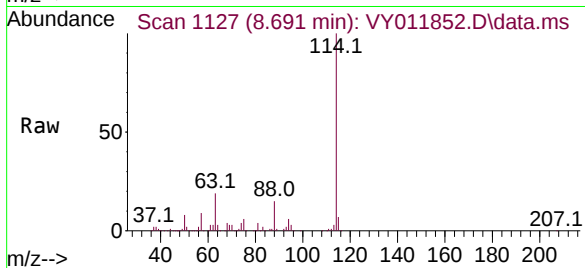
Tgt Ion:114 Resp: 200702

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 15.3 0.0 32.2



#35

Dibromofluoromethane

Concen: 52.045 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY011852.D

Acq: 14 Dec 2022 17:49

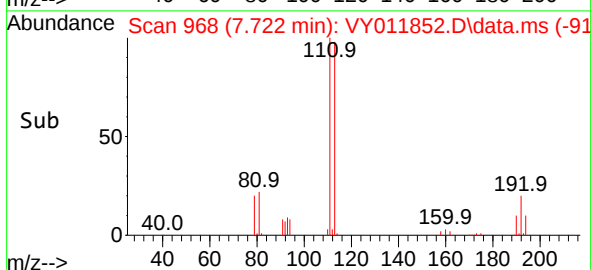
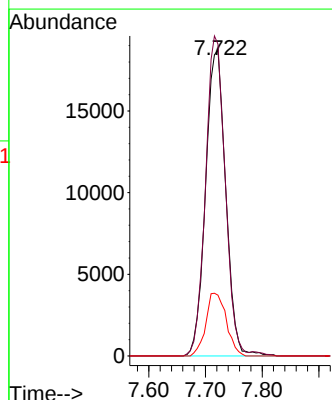
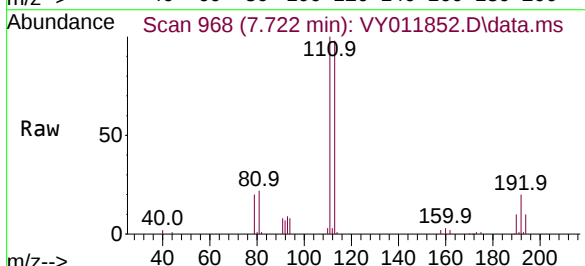
Tgt Ion:113 Resp: 46267

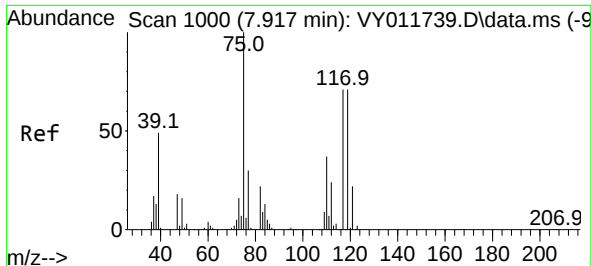
Ion Ratio Lower Upper

113 100

111 101.4 83.0 124.4

192 20.8 16.0 24.0





#36

1,1-Dichloropropene

Concen: 6.054 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011852.D

Acq: 14 Dec 2022 17:49

Instrument :

MSVOA_Y

ClientSampleId :

RB-31-(1-3)

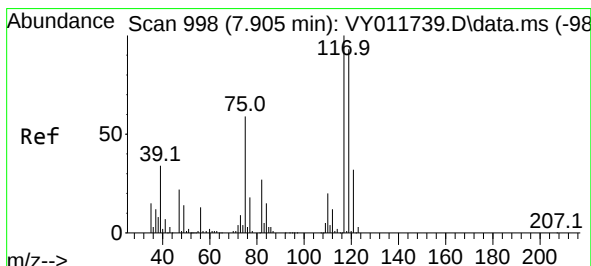
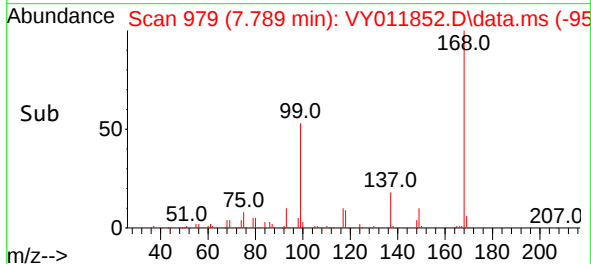
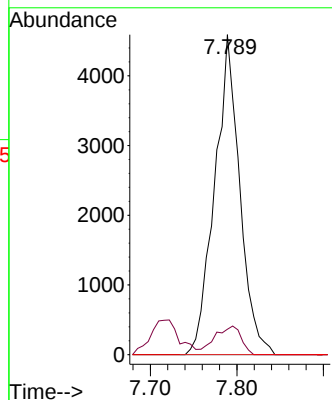
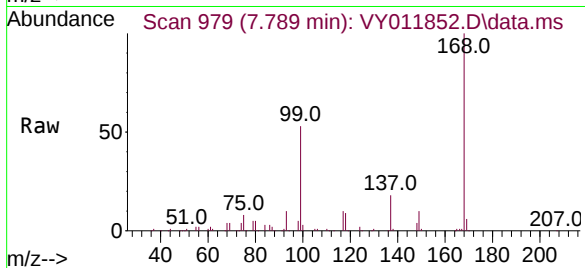
Tgt Ion: 75 Resp: 9221

Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.759 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011852.D

Acq: 14 Dec 2022 17:49

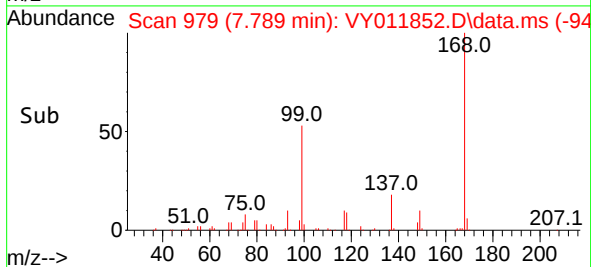
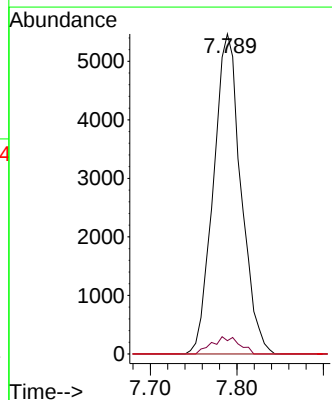
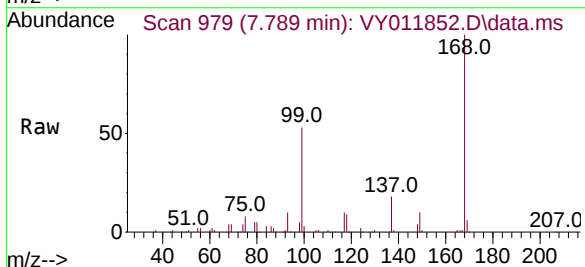
Tgt Ion: 117 Resp: 12092

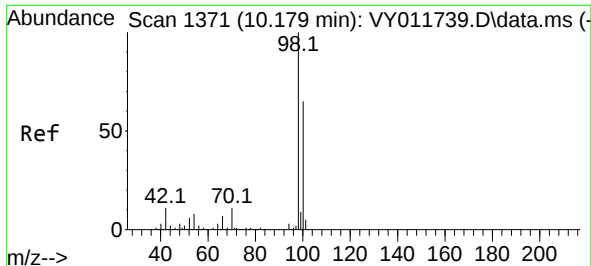
Ion Ratio Lower Upper

117 100

119 4.1 73.8 110.8#

121 0.0 25.2 37.8#

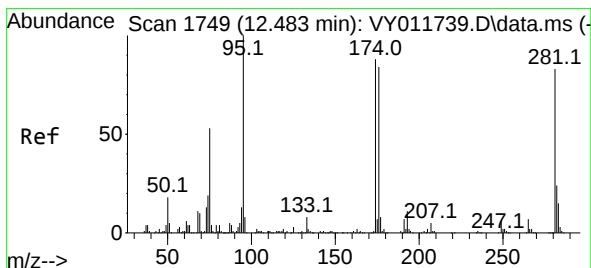
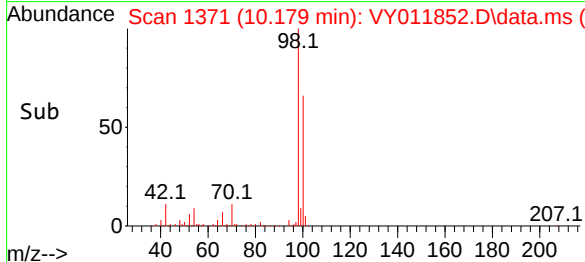
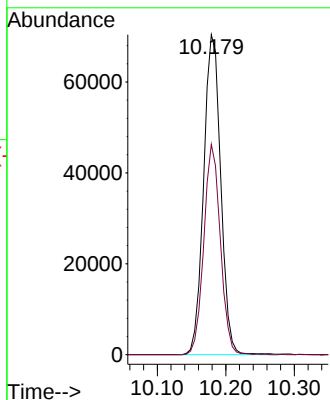
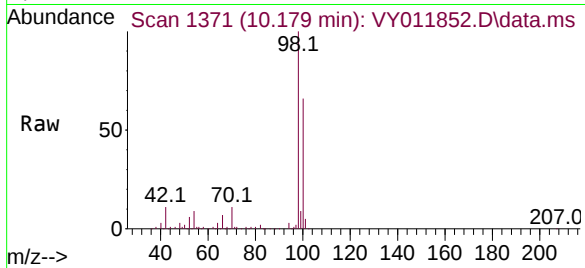




#50
Toluene-d8
Concen: 40.612 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011852.D
Acq: 14 Dec 2022 17:49

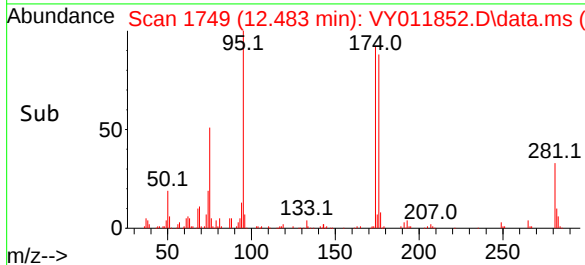
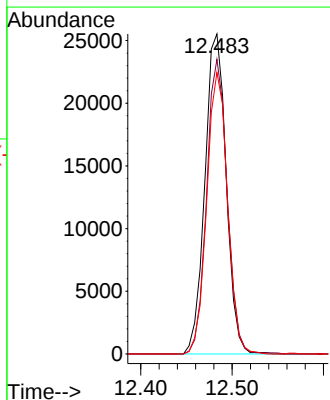
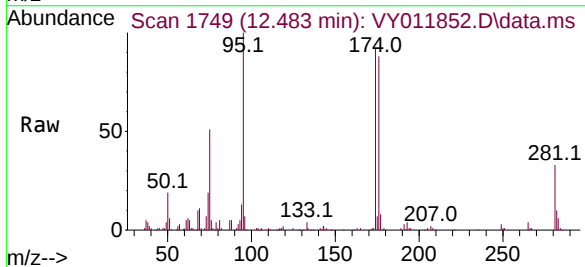
Instrument :
MSVOA_Y
ClientSampleId :
RB-31-(1-3)

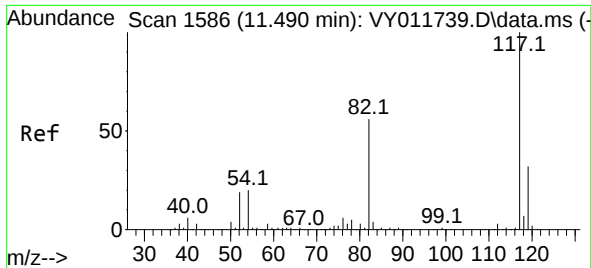
Tgt Ion: 98 Resp: 122375
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 33.990 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011852.D
Acq: 14 Dec 2022 17:49

Tgt Ion: 95 Resp: 41253
Ion Ratio Lower Upper
95 100
174 88.9 0.0 172.0
176 85.6 0.0 167.6

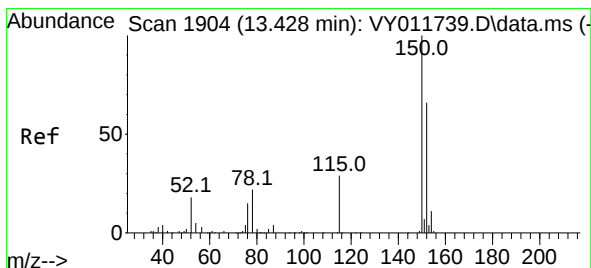
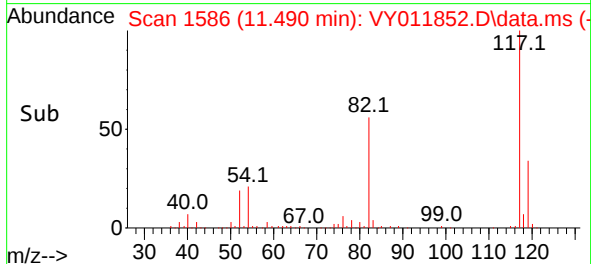
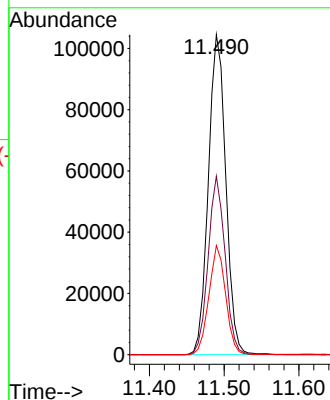
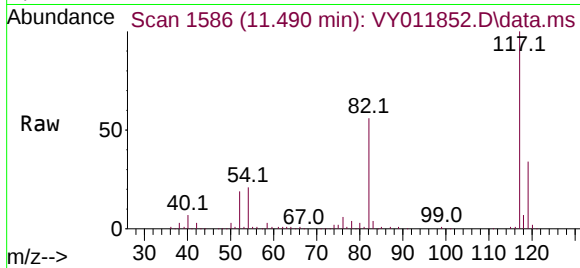




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011852.D
Acq: 14 Dec 2022 17:49

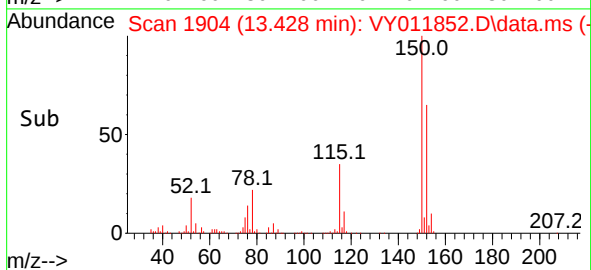
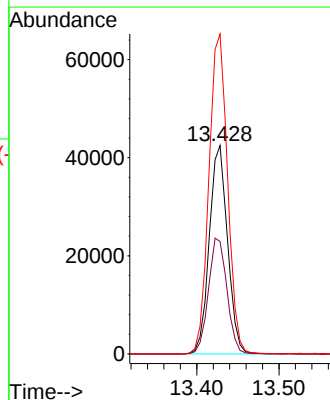
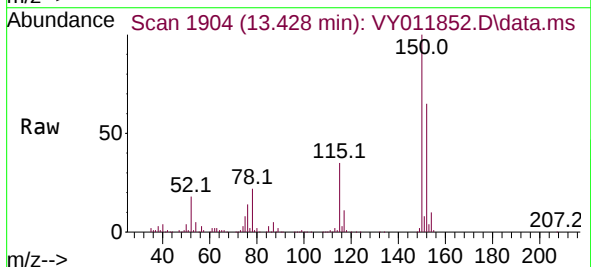
Instrument :
MSVOA_Y
ClientSampleId :
RB-31-(1-3)

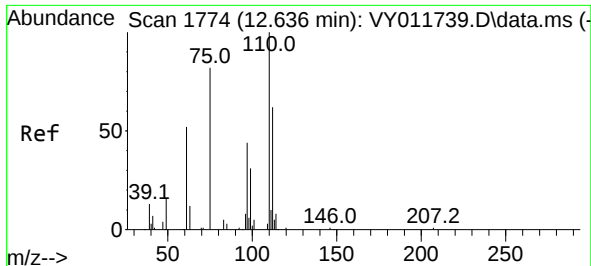
Tgt Ion:117 Resp: 169821
Ion Ratio Lower Upper
117 100
82 55.8 44.8 67.2
119 34.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011852.D
Acq: 14 Dec 2022 17:49

Tgt Ion:152 Resp: 65399
Ion Ratio Lower Upper
152 100
115 56.5 29.1 87.3
150 156.8 0.0 342.6

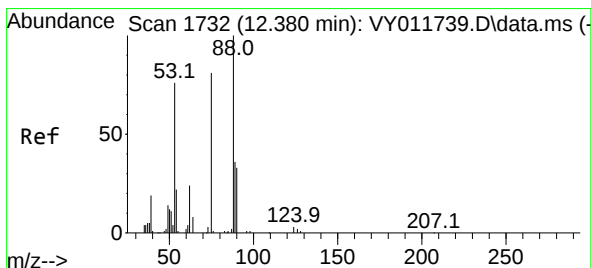
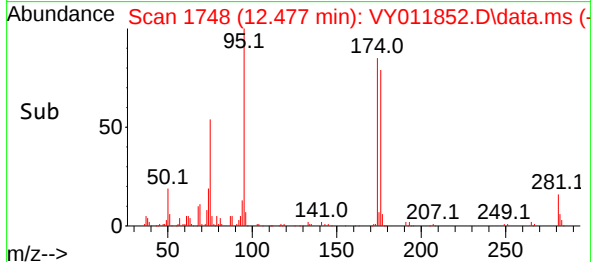
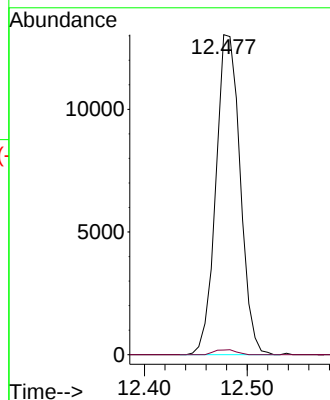
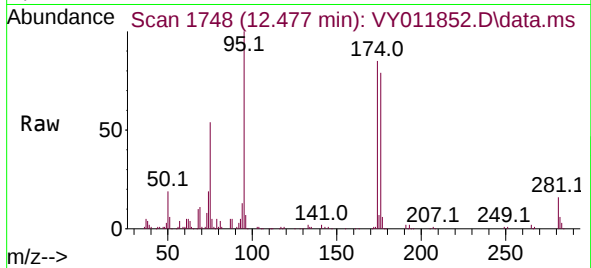




#76
1,2,3-Trichloropropane
Concen: 32.317 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY011852.D
Acq: 14 Dec 2022 17:49

Instrument :
MSVOA_Y
ClientSampleId :
RB-31-(1-3)

Tgt Ion: 75 Resp: 21383
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.334 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY011852.D
Acq: 14 Dec 2022 17:49

Tgt Ion: 75 Resp: 21383
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.2 37.0 55.4#

