

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121422\
 Data File : VY011845.D
 Acq On : 14 Dec 2022 15:11
 Operator : KP/MD
 Sample : N6037-16RE
 Misc : 5.52g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-25-(1-3)

Quant Time: Dec 15 01:20:42 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)

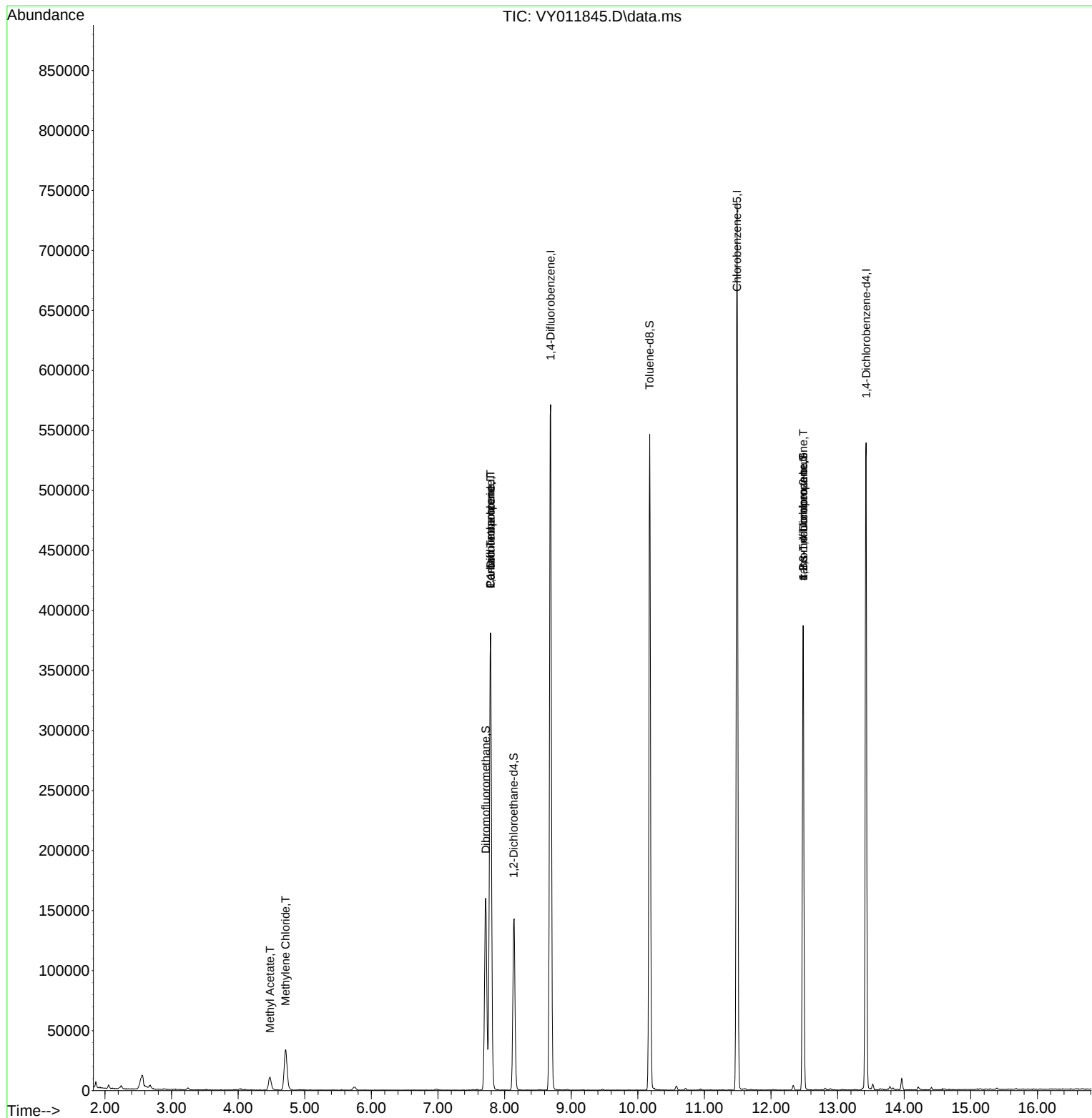
Internal Standards						
1) Pentafluorobenzene	7.789	168	295768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	492270	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	397477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	141452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	114528	57.461	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.920%			
35) Dibromofluoromethane	7.716	113	113975	52.290	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.580%			
50) Toluene-d8	10.179	98	355948	49.584	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.160%			
62) 4-Bromofluorobenzene	12.483	95	111387	37.924	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 75.840%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	213	Below Cal	#	73
4) Vinyl Chloride	2.418	62	18	Below Cal	#	43
5) Bromomethane	2.650	94	126	Below Cal	#	1
11) Tert butyl alcohol	4.936	59	363	Below Cal	#	74
18) Methyl Acetate	4.479	43	21540	9.785	ug/l	98
20) Methylene Chloride	4.710	84	26550	3.808	ug/l	98
31) Cyclohexane	7.783	56	6064	Below Cal	#	8
36) 1,1-Dichloropropene	7.789	75	21664	5.799	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	29189	6.652	ug/l	# 17
76) 1,2,3-Trichloropropane	12.483	75	57472	40.159	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	57472	91.128	ug/l	# 13

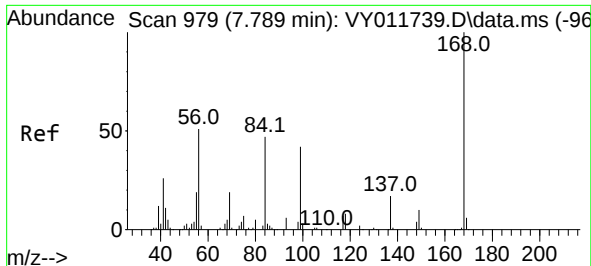
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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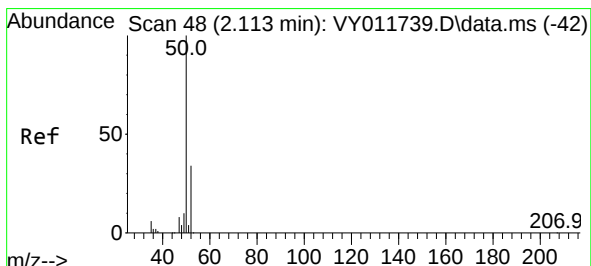
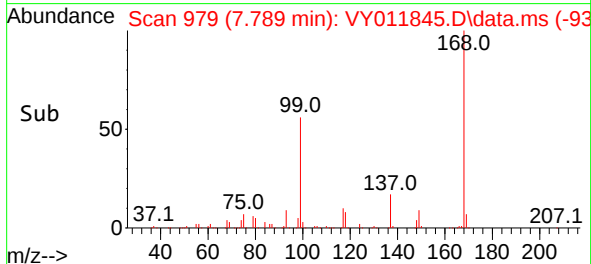
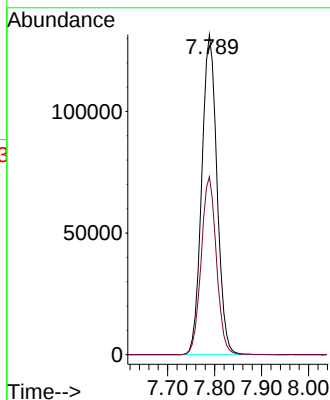
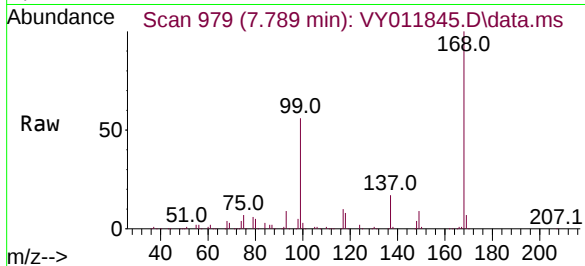




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011845.D
Acq: 14 Dec 2022 15:11

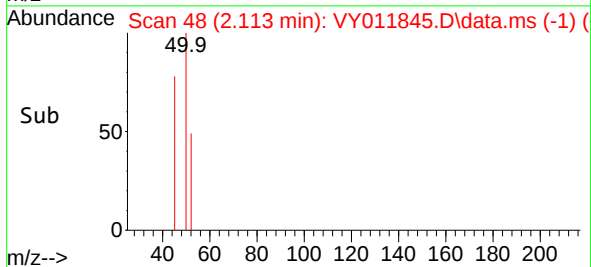
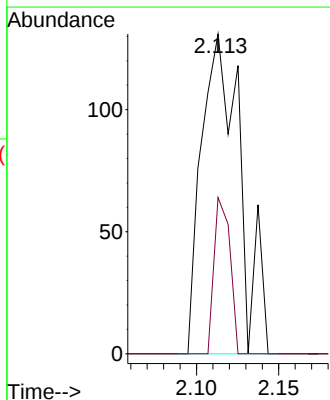
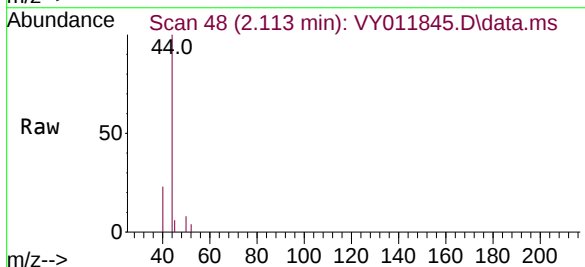
Instrument :
MSVOA_Y
ClientSampleId :
RB-25-(1-3)

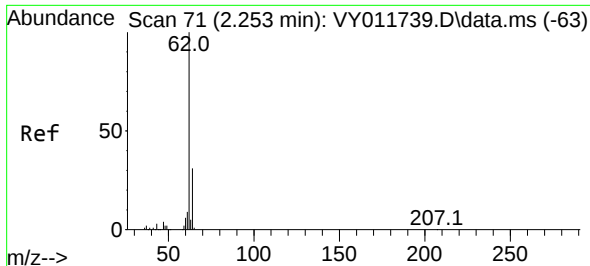
Tgt Ion:168 Resp: 295768
Ion Ratio Lower Upper
168 100
99 55.6 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011845.D
Acq: 14 Dec 2022 15:11

Tgt Ion: 50 Resp: 213
Ion Ratio Lower Upper
50 100
52 48.9 26.8 40.2#

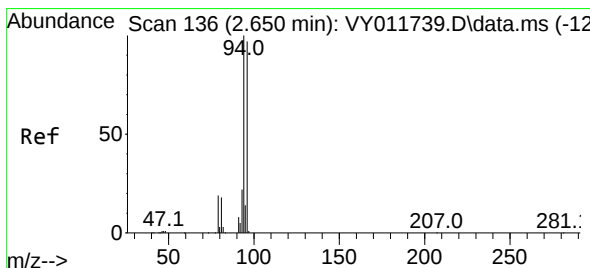
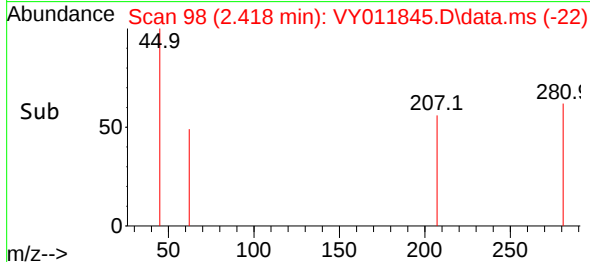
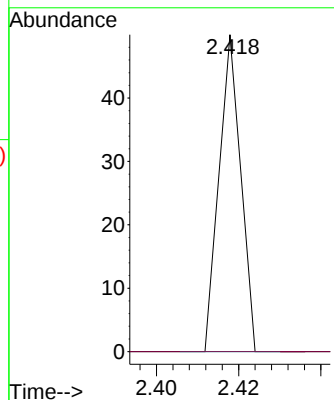
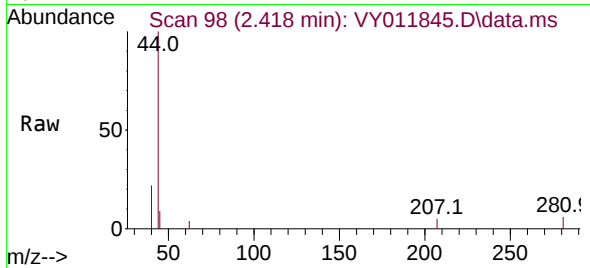




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.418 min Scan# 98
 Delta R.T. 0.165 min
 Lab File: VY011845.D
 Acq: 14 Dec 2022 15:11

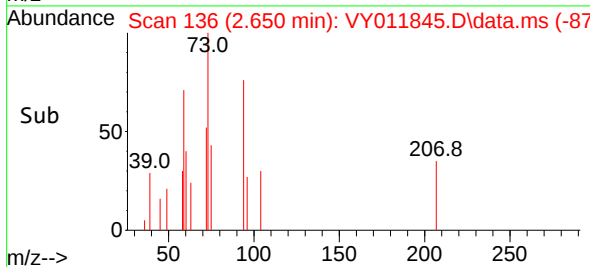
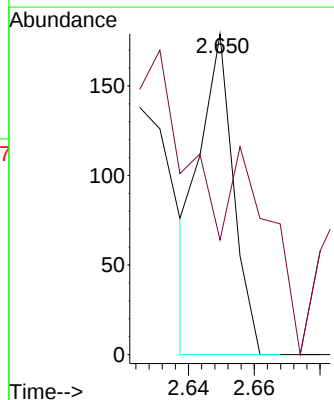
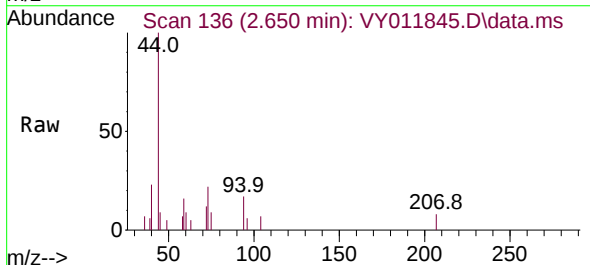
Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-25-(1-3)

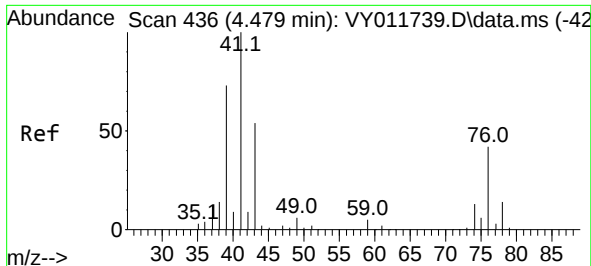
Tgt Ion: 62 Resp: 18
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.650 min Scan# 136
 Delta R.T. -0.000 min
 Lab File: VY011845.D
 Acq: 14 Dec 2022 15:11

Tgt Ion: 94 Resp: 126
 Ion Ratio Lower Upper
 94 100
 96 0.0 77.4 116.2#

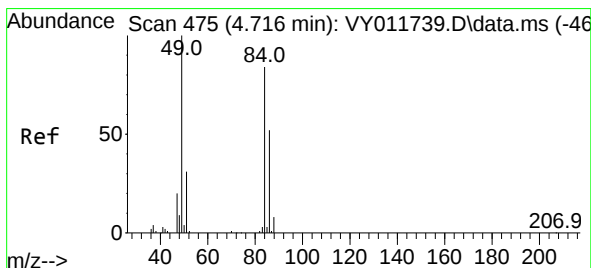
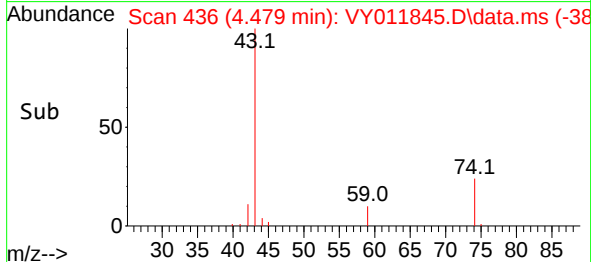
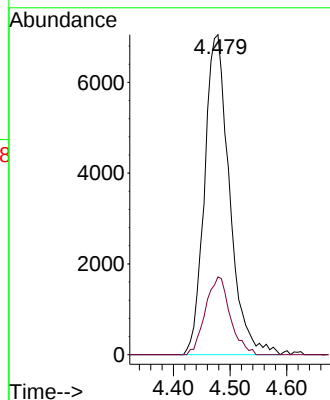
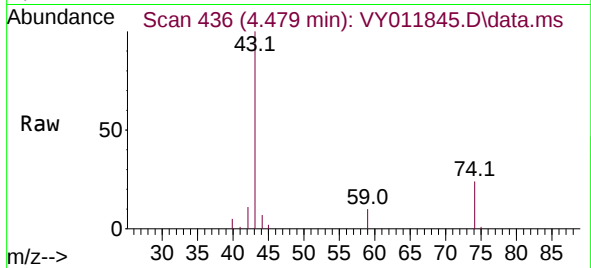




#18
Methyl Acetate
Concen: 9.785 ug/l
RT: 4.479 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY011845.D
Acq: 14 Dec 2022 15:11

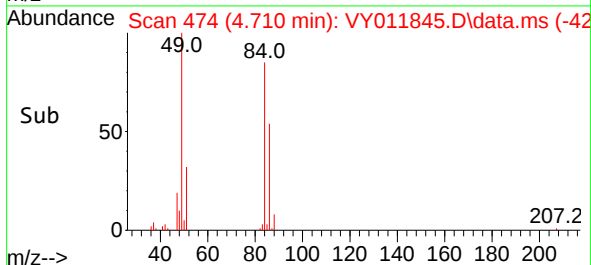
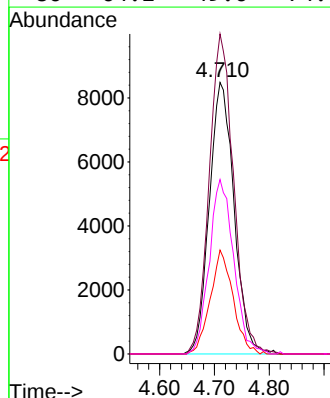
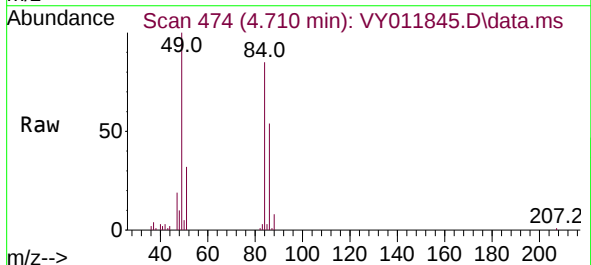
Instrument :
MSVOA_Y
ClientSampleId :
RB-25-(1-3)

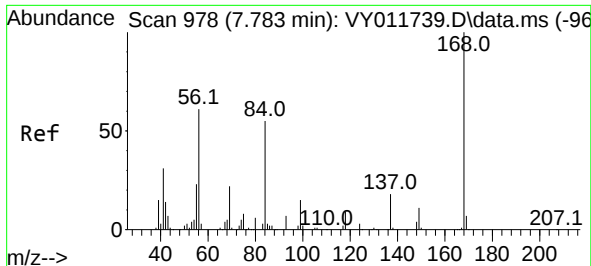
Tgt Ion: 43 Resp: 21540
Ion Ratio Lower Upper
43 100
74 24.1 20.1 30.1



#20
Methylene Chloride
Concen: 3.808 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY011845.D
Acq: 14 Dec 2022 15:11

Tgt Ion: 84 Resp: 26550
Ion Ratio Lower Upper
84 100
49 117.8 95.4 143.2
51 38.2 29.9 44.9
86 64.2 49.6 74.4

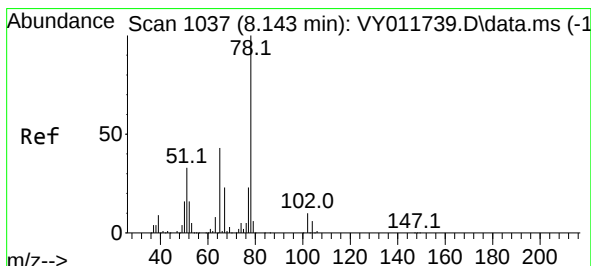
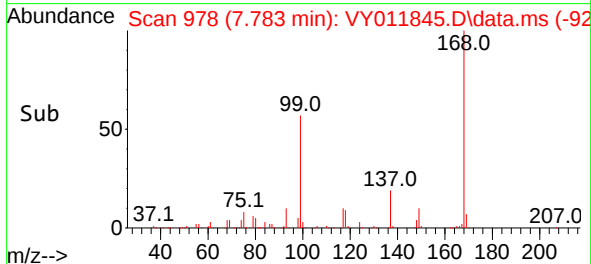
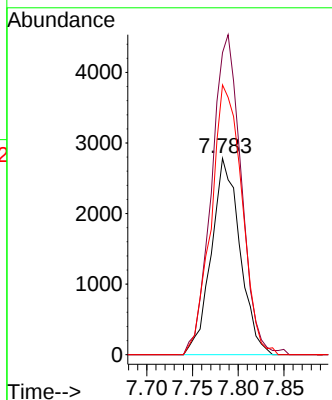
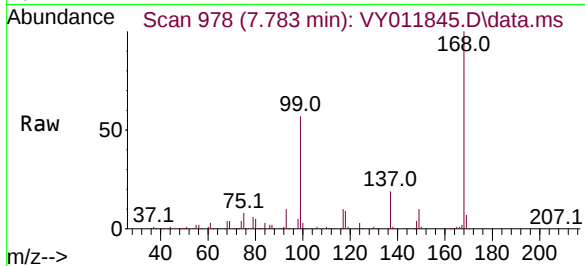




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011845.D
Acq: 14 Dec 2022 15:11

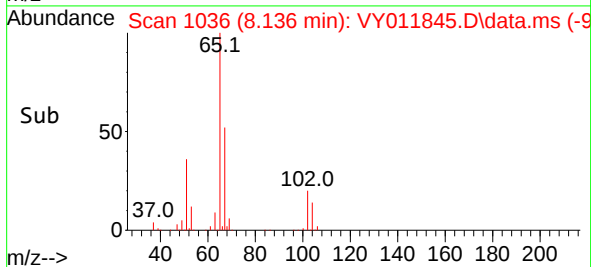
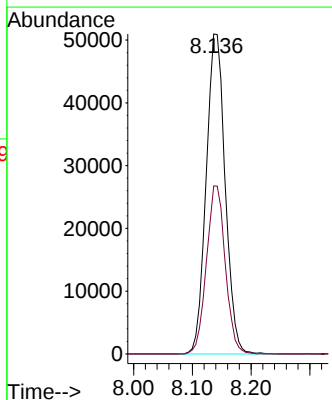
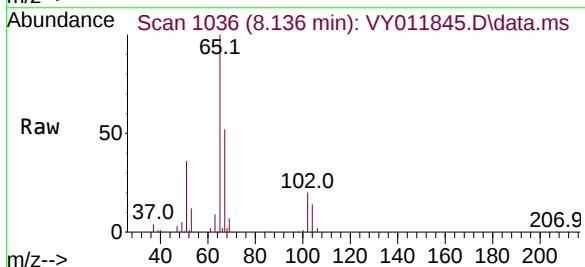
Instrument :
MSVOA_Y
ClientSampleId :
RB-25-(1-3)

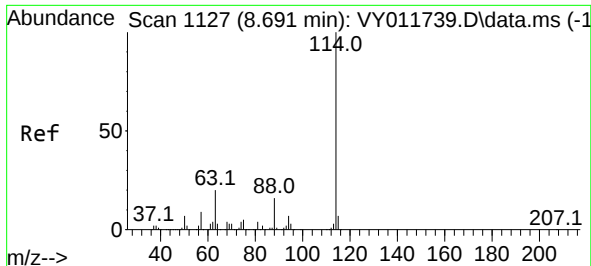
Tgt Ion: 56 Resp: 6064
Ion Ratio Lower Upper
56 100
69 153.8 29.2 43.8#
84 137.3 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 57.461 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY011845.D
Acq: 14 Dec 2022 15:11

Tgt Ion: 65 Resp: 114528
Ion Ratio Lower Upper
65 100
67 52.1 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: VY011845.D

Acq: 14 Dec 2022 15:11

Instrument :

MSVOA_Y

ClientSampleId :

RB-25-(1-3)

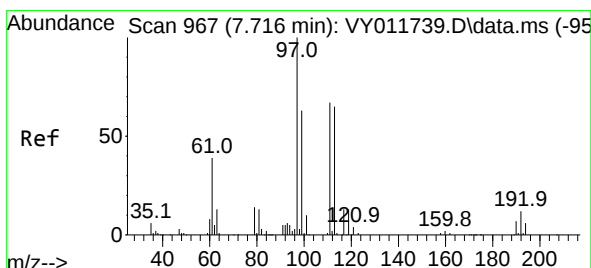
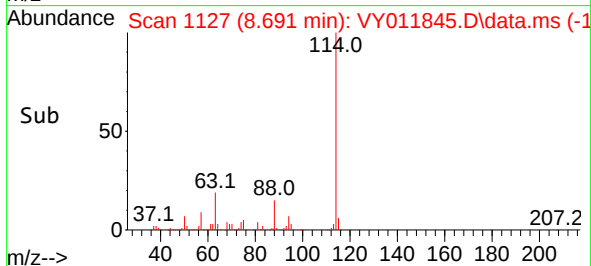
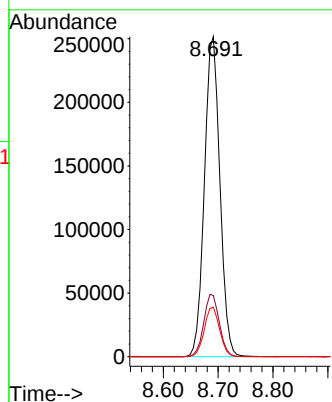
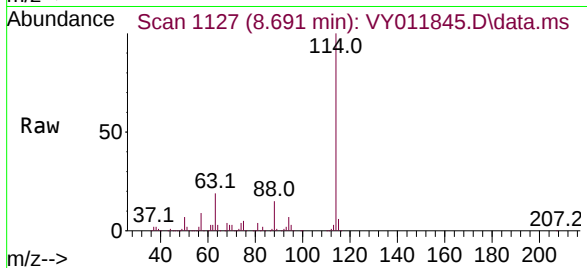
Tgt Ion:114 Resp: 492270

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 15.5 0.0 32.2



#35

Dibromofluoromethane

Concen: 52.290 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011845.D

Acq: 14 Dec 2022 15:11

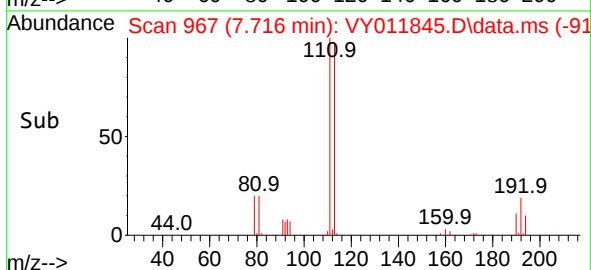
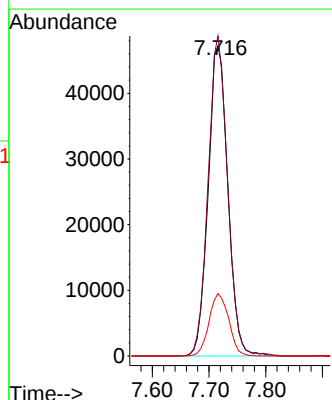
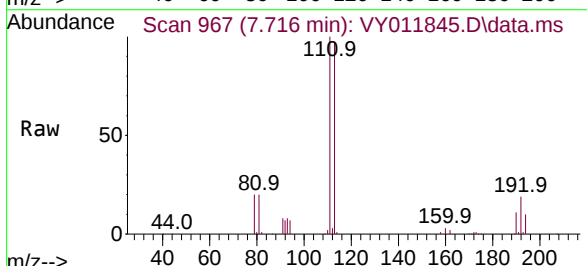
Tgt Ion:113 Resp: 113975

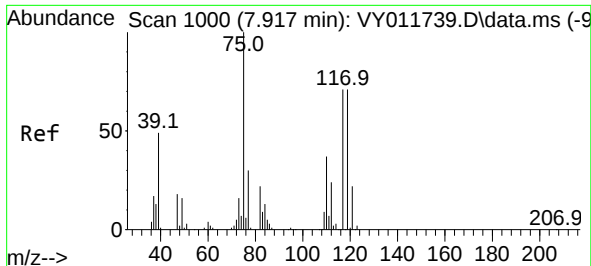
Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.4

192 20.1 16.0 24.0





#36

1,1-Dichloropropene

Concen: 5.799 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011845.D

Acq: 14 Dec 2022 15:11

Instrument :

MSVOA_Y

ClientSampleId :

RB-25-(1-3)

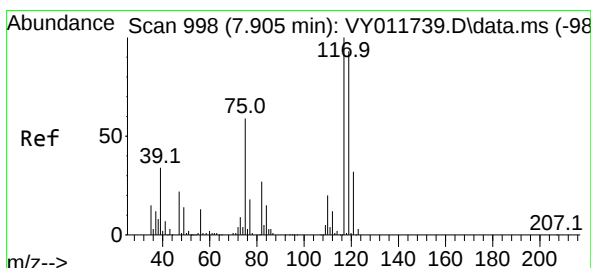
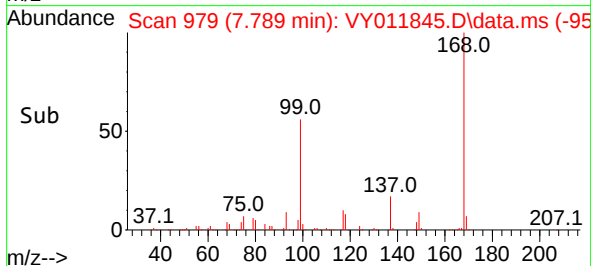
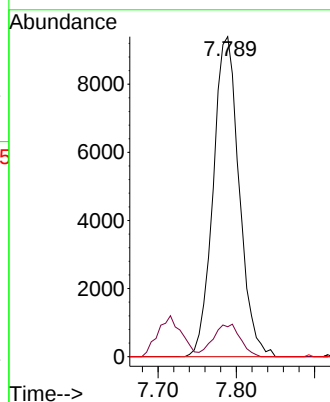
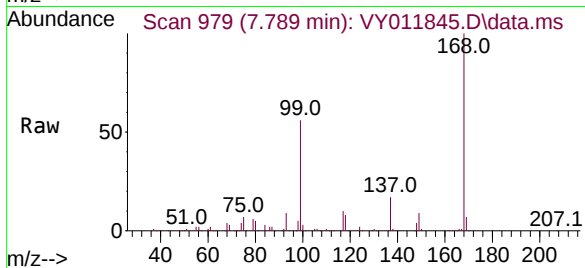
Tgt Ion: 75 Resp: 21664

Ion Ratio Lower Upper

75 100

110 10.5 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.652 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011845.D

Acq: 14 Dec 2022 15:11

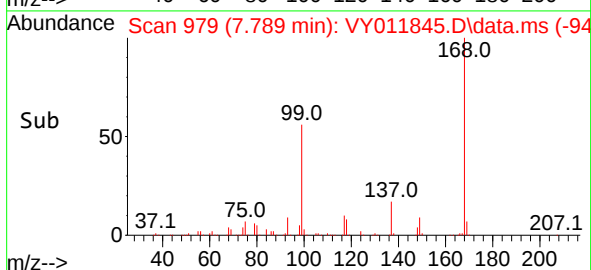
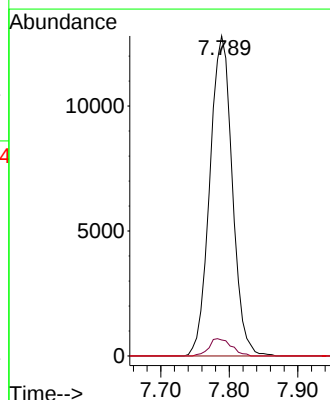
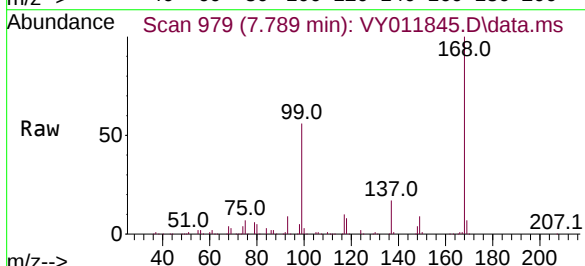
Tgt Ion: 117 Resp: 29189

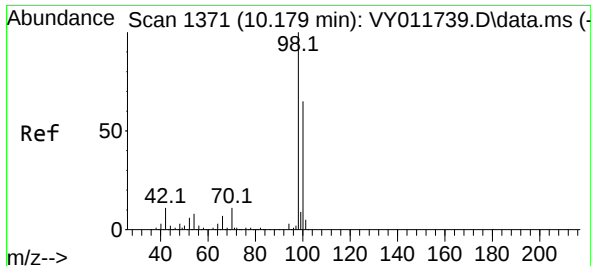
Ion Ratio Lower Upper

117 100

119 5.0 73.8 110.8#

121 0.0 25.2 37.8#

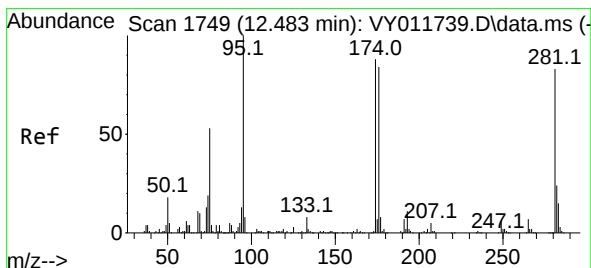
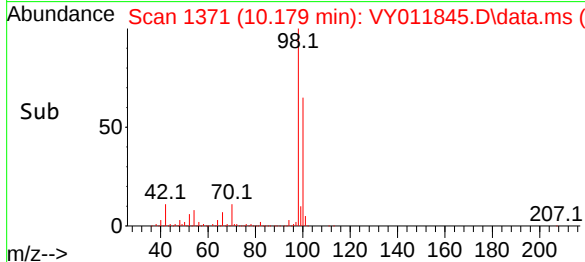
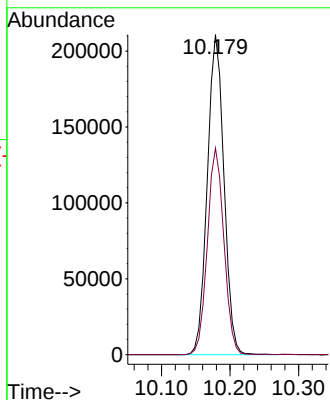
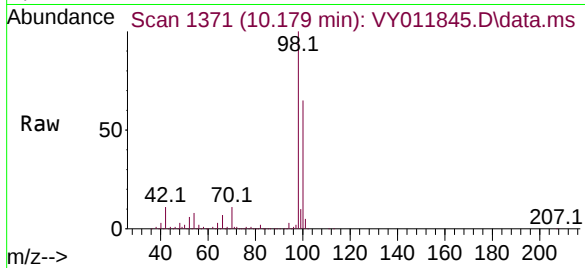




#50
Toluene-d8
Concen: 49.584 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011845.D
Acq: 14 Dec 2022 15:11

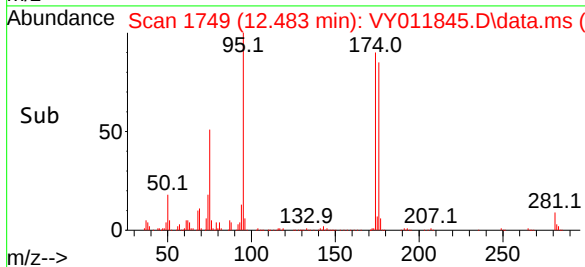
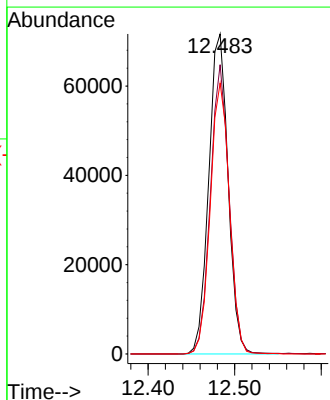
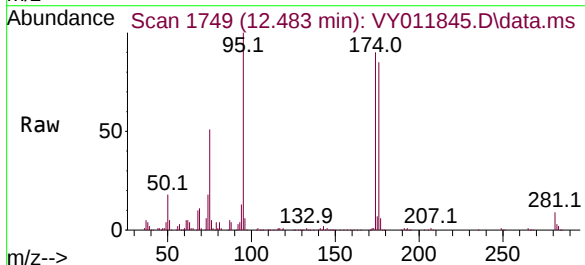
Instrument :
MSVOA_Y
ClientSampleId :
RB-25-(1-3)

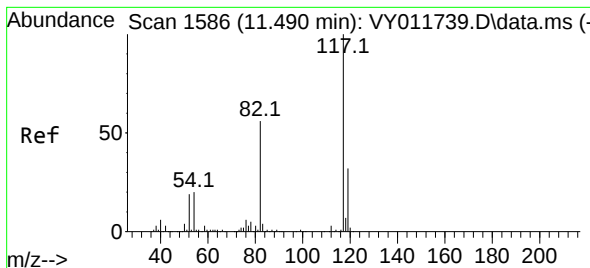
Tgt Ion: 98 Resp: 355948
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 37.924 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011845.D
Acq: 14 Dec 2022 15:11

Tgt Ion: 95 Resp: 111387
Ion Ratio Lower Upper
95 100
174 87.1 0.0 172.0
176 83.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY011845.D

Acq: 14 Dec 2022 15:11

Instrument :

MSVOA_Y

ClientSampleId :

RB-25-(1-3)

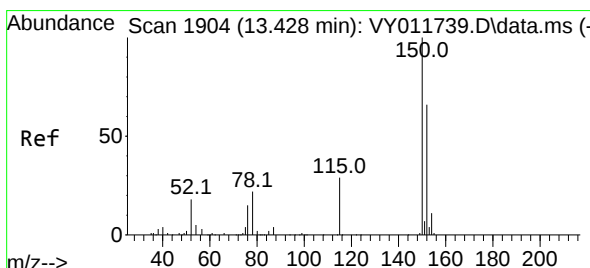
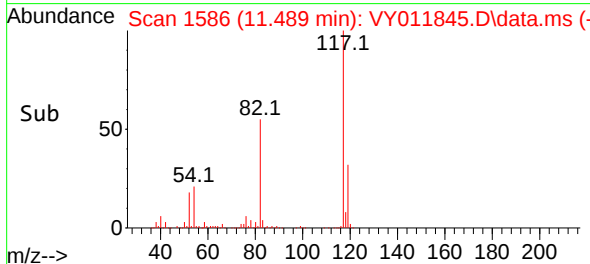
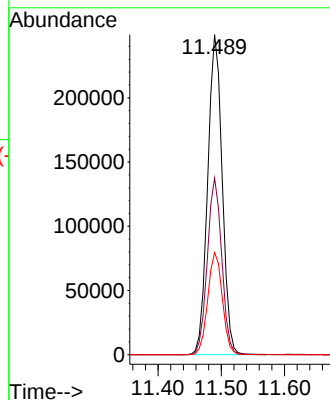
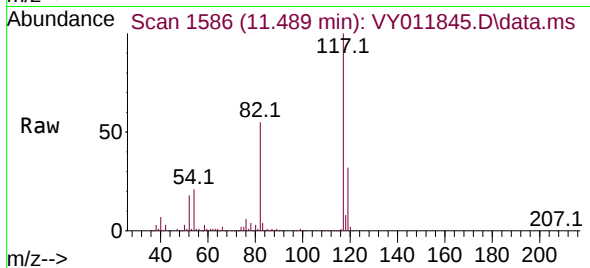
Tgt Ion:117 Resp: 397477

Ion Ratio Lower Upper

117 100

82 55.2 44.8 67.2

119 31.9 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: VY011845.D

Acq: 14 Dec 2022 15:11

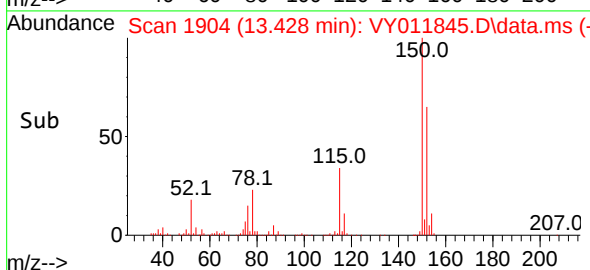
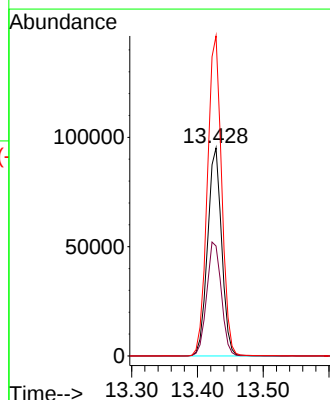
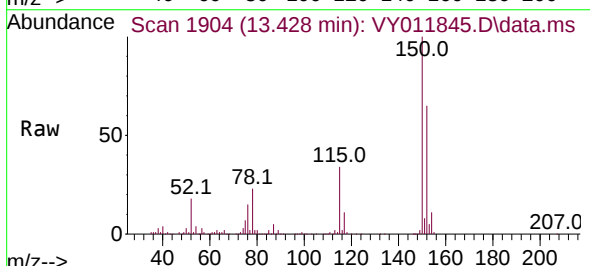
Tgt Ion:152 Resp: 141452

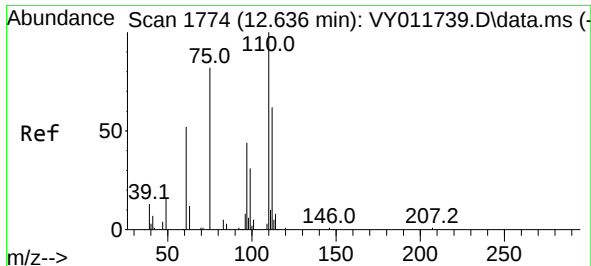
Ion Ratio Lower Upper

152 100

115 56.9 29.1 87.3

150 156.2 0.0 342.6

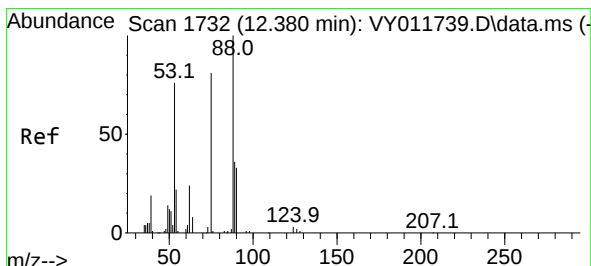
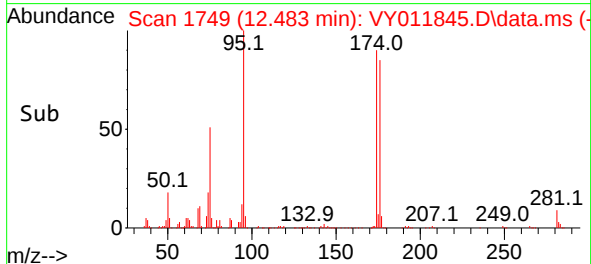
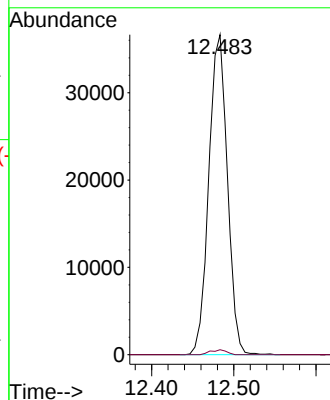
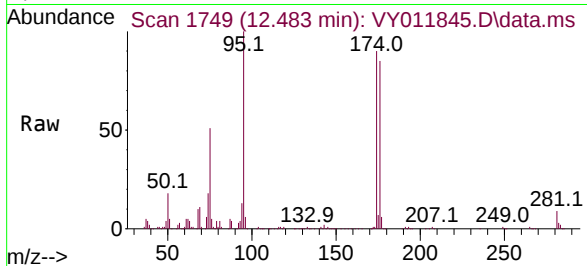




#76
1,2,3-Trichloropropane
Concen: 40.159 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011845.D
Acq: 14 Dec 2022 15:11

Instrument :
MSVOA_Y
ClientSampleId :
RB-25-(1-3)

Tgt Ion: 75 Resp: 57472
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.128 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011845.D
Acq: 14 Dec 2022 15:11

Tgt Ion: 75 Resp: 57472
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

