

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121422\
 Data File : VY011855.D
 Acq On : 14 Dec 2022 18:57
 Operator : KP/MD
 Sample : N6038-08
 Misc : 3.67g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-32-(7-9)

Quant Time: Dec 15 01:23:27 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)

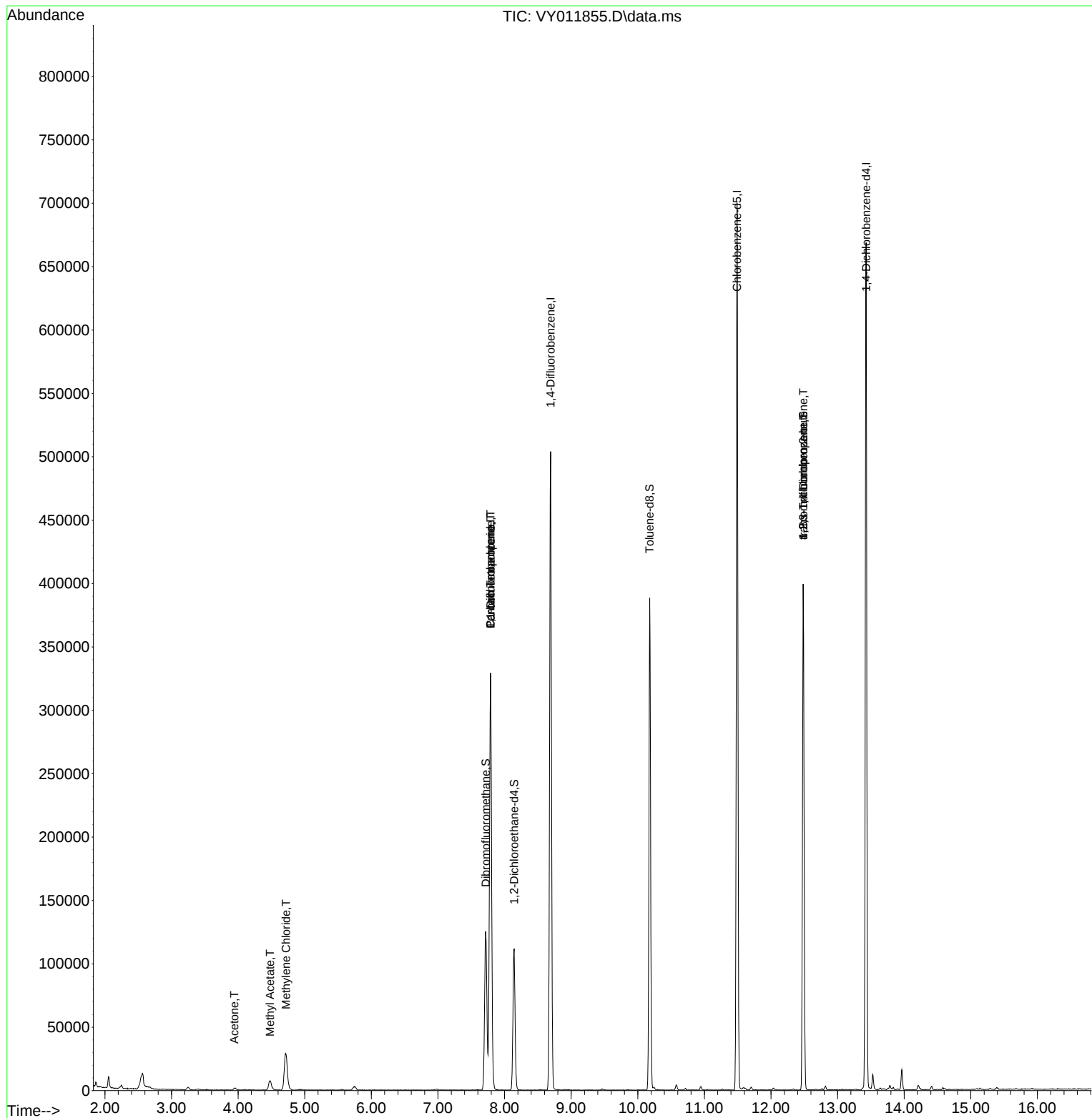
Internal Standards						
1) Pentafluorobenzene	7.789	168	253735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	429820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	379729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	174197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	87435	50.551	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.100%			
35) Dibromofluoromethane	7.716	113	89864	46.809	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.620%			
50) Toluene-d8	10.179	98	256982	39.674	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 79.340%			
62) 4-Bromofluorobenzene	12.483	95	101263	39.694	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 79.380%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	168	Below Cal	#	41
5) Bromomethane	2.638	94	312	Below Cal		96
11) Tert butyl alcohol	4.942	59	487	Below Cal	#	74
16) Acetone	3.942	43	2906	4.194	ug/l #	74
18) Methyl Acetate	4.479	43	15250	7.757	ug/l	98
20) Methylene Chloride	4.716	84	23239	4.020	ug/l	99
31) Cyclohexane	7.789	56	5234	Below Cal	#	7
36) 1,1-Dichloropropene	7.789	75	18467	5.662	ug/l #	50
38) Carbon Tetrachloride	7.789	117	25209	6.580	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	53517	30.366	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	53517	68.906	ug/l #	13

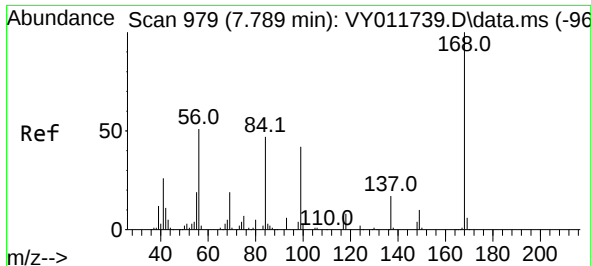
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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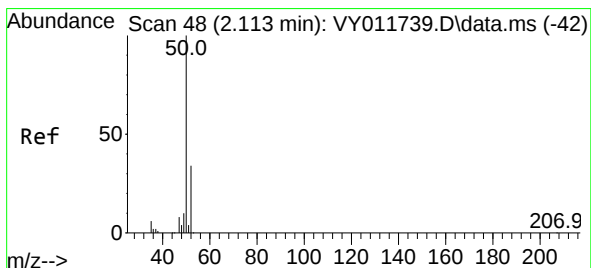
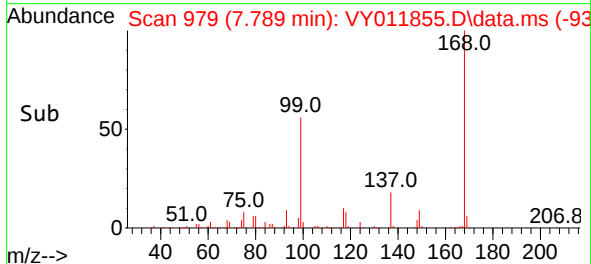
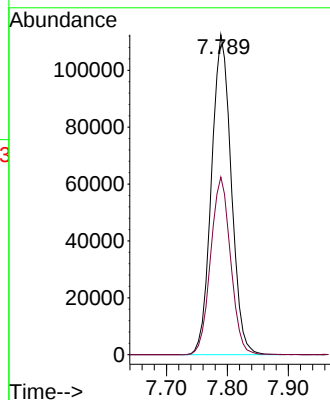
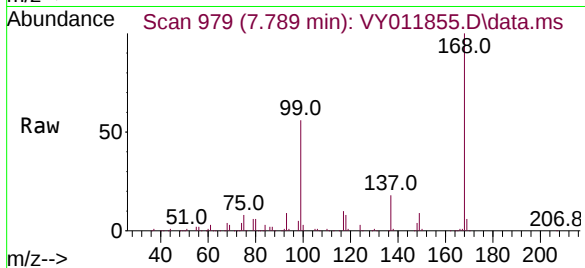




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011855.D
Acq: 14 Dec 2022 18:57

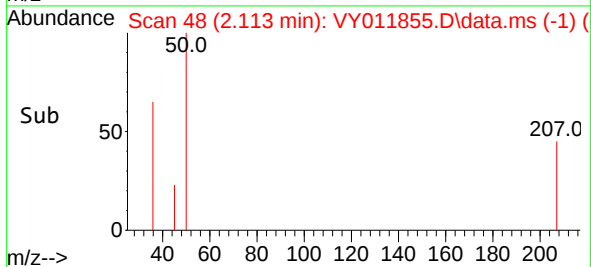
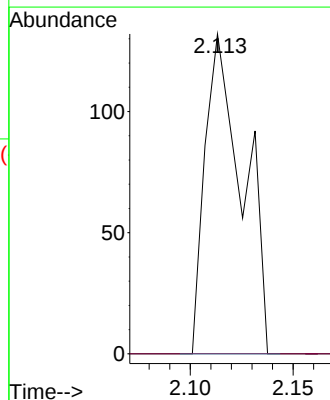
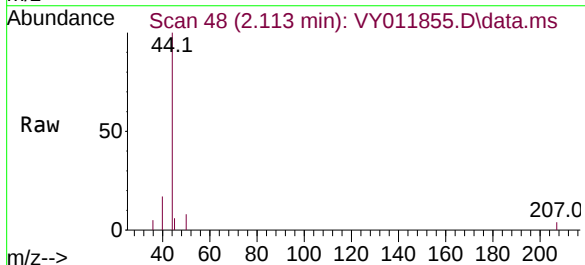
Instrument :
MSVOA_Y
ClientSampleId :
RB-32-(7-9)

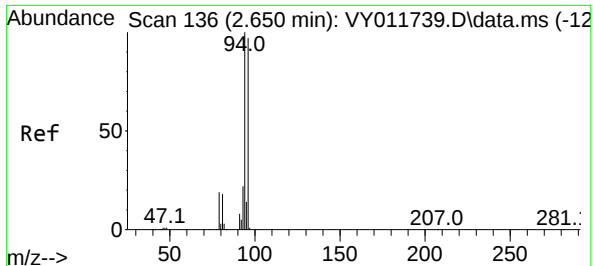
Tgt Ion:168 Resp: 253735
Ion Ratio Lower Upper
168 100
99 55.5 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011855.D
Acq: 14 Dec 2022 18:57

Tgt Ion: 50 Resp: 168
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

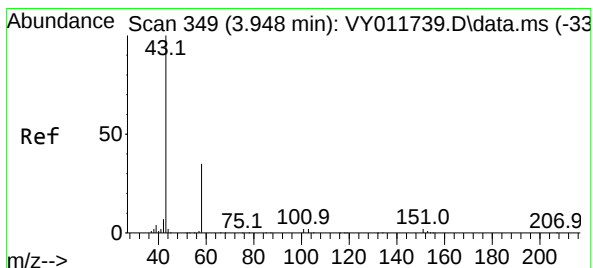
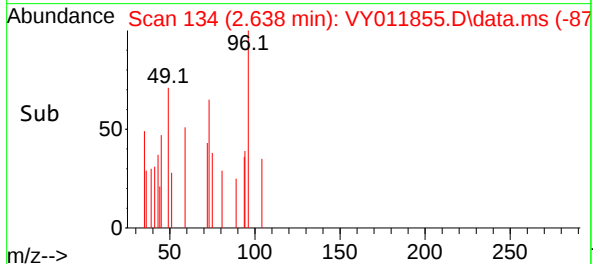
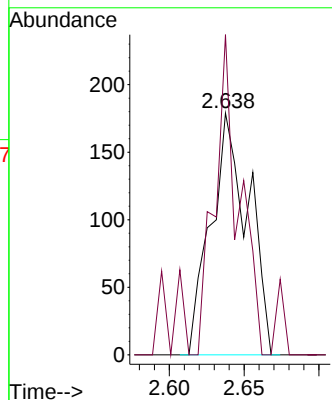
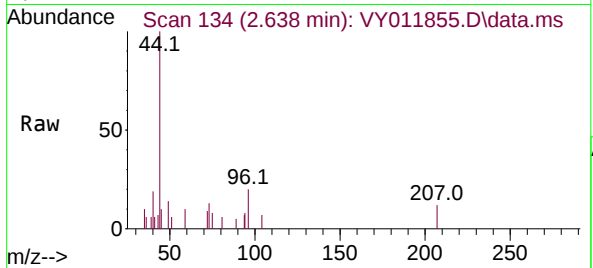




#5
Bromomethane
Concen: Below Cal
RT: 2.638 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY011855.D
Acq: 14 Dec 2022 18:57

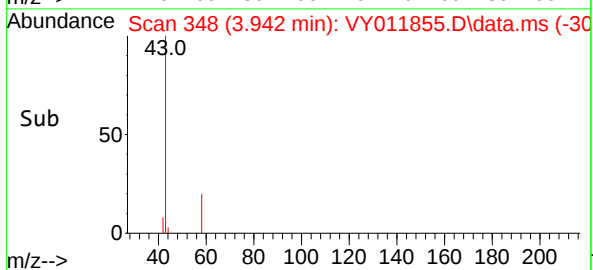
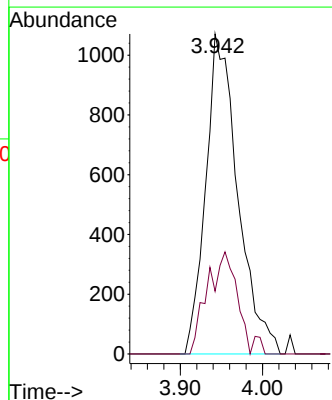
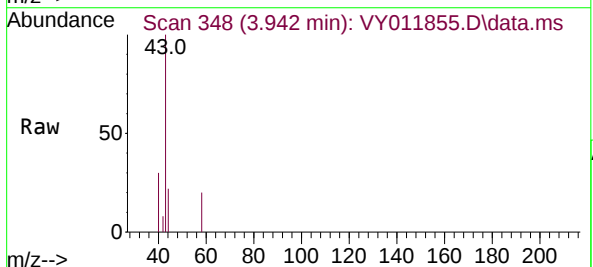
Instrument :
MSVOA_Y
ClientSampleId :
RB-32-(7-9)

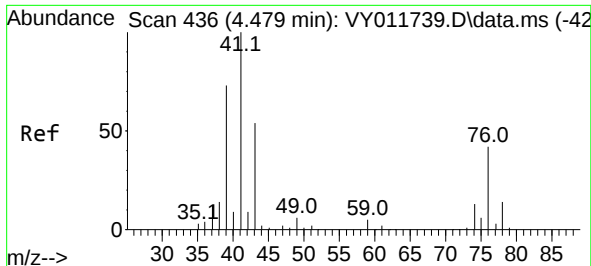
Tgt Ion: 94 Resp: 312
Ion Ratio Lower Upper
94 100
96 101.1 77.4 116.2



#16
Acetone
Concen: 4.194 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY011855.D
Acq: 14 Dec 2022 18:57

Tgt Ion: 43 Resp: 2906
Ion Ratio Lower Upper
43 100
58 19.6 27.9 41.9#

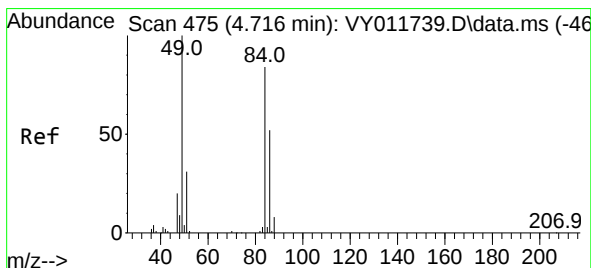
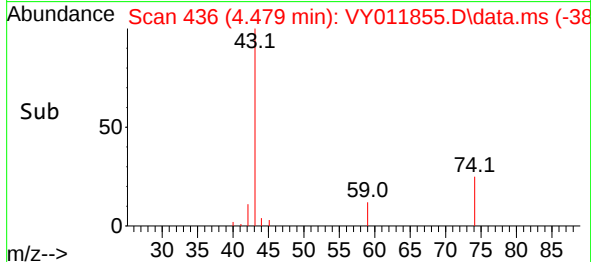
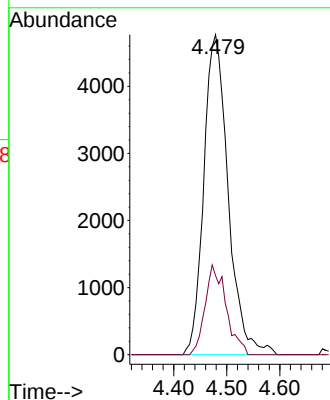
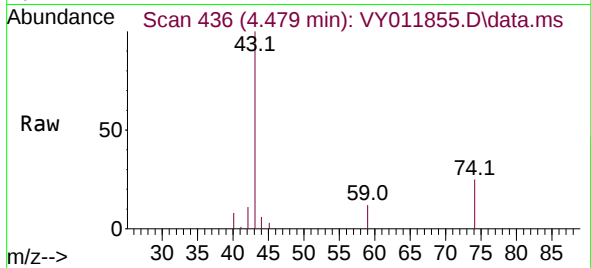




#18
Methyl Acetate
Concen: 7.757 ug/l
RT: 4.479 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY011855.D
Acq: 14 Dec 2022 18:57

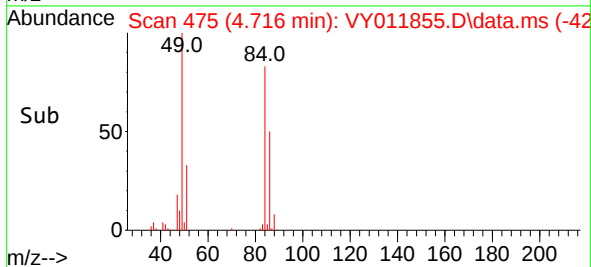
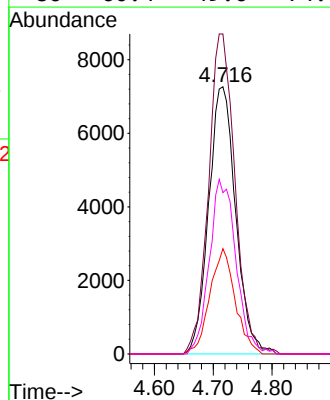
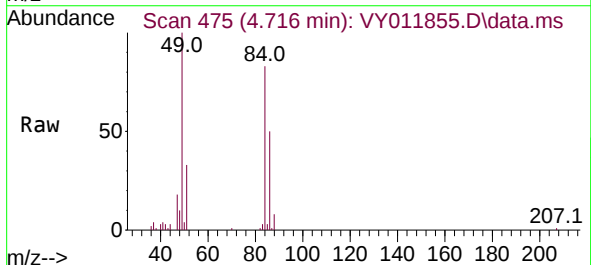
Instrument :
MSVOA_Y
ClientSampleId :
RB-32-(7-9)

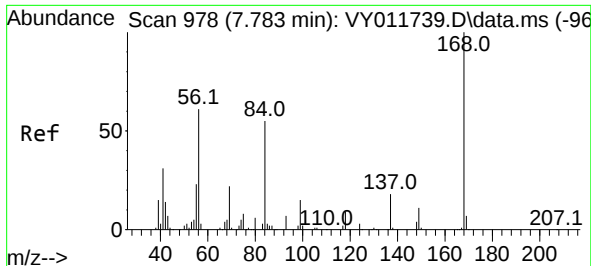
Tgt Ion: 43 Resp: 15250
Ion Ratio Lower Upper
43 100
74 24.2 20.1 30.1



#20
Methylene Chloride
Concen: 4.020 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011855.D
Acq: 14 Dec 2022 18:57

Tgt Ion: 84 Resp: 23239
Ion Ratio Lower Upper
84 100
49 119.8 95.4 143.2
51 39.4 29.9 44.9
86 60.4 49.6 74.4

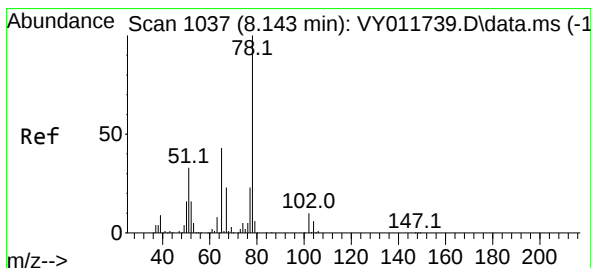
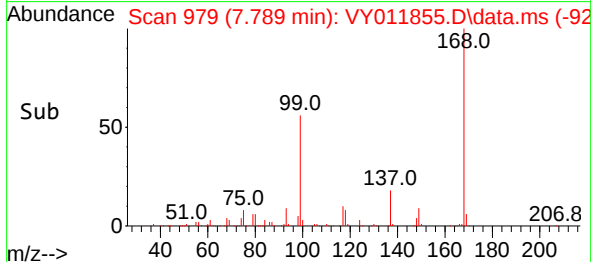
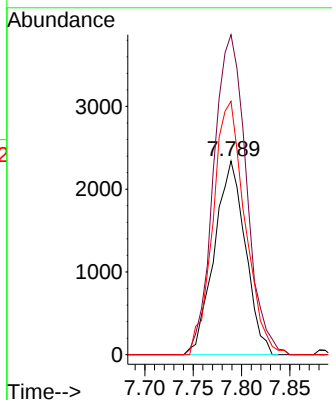
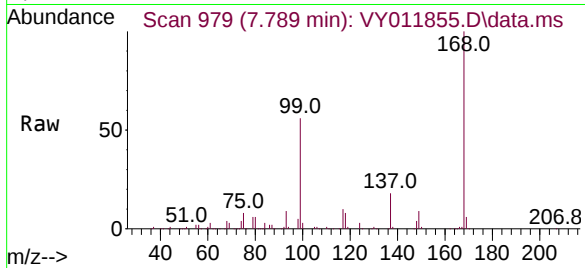




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011855.D
Acq: 14 Dec 2022 18:57

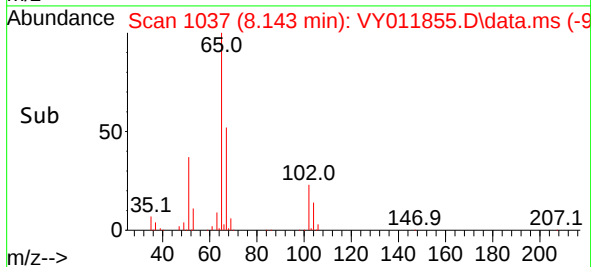
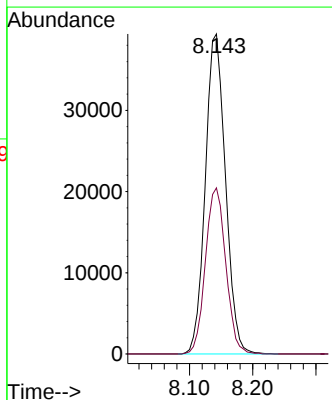
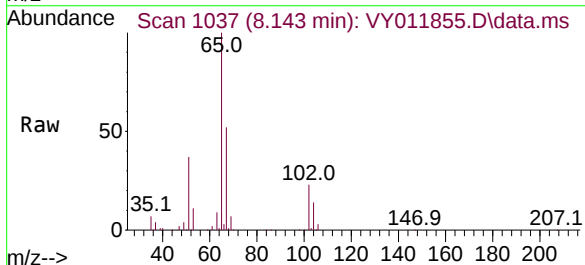
Instrument :
MSVOA_Y
ClientSampleId :
RB-32-(7-9)

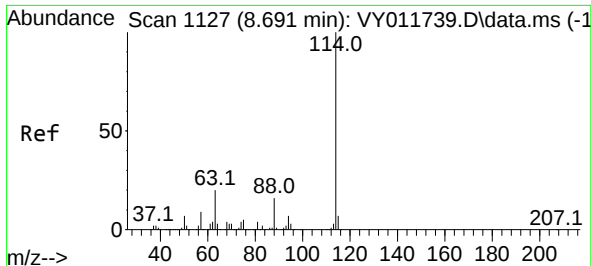
Tgt Ion: 56 Resp: 5234
Ion Ratio Lower Upper
56 100
69 165.3 29.2 43.8#
84 131.0 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 50.551 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011855.D
Acq: 14 Dec 2022 18:57

Tgt Ion: 65 Resp: 87435
Ion Ratio Lower Upper
65 100
67 52.3 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: VY011855.D

Acq: 14 Dec 2022 18:57

Instrument :

MSVOA_Y

ClientSampleId :

RB-32-(7-9)

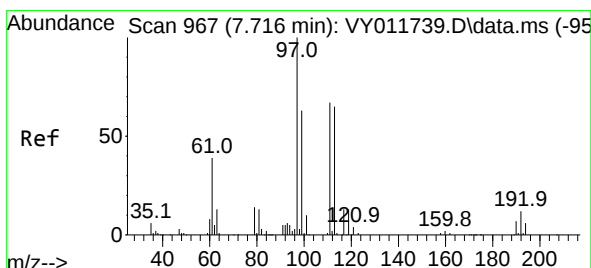
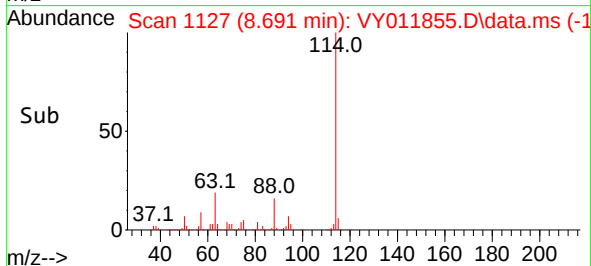
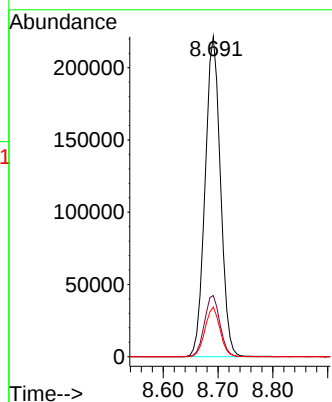
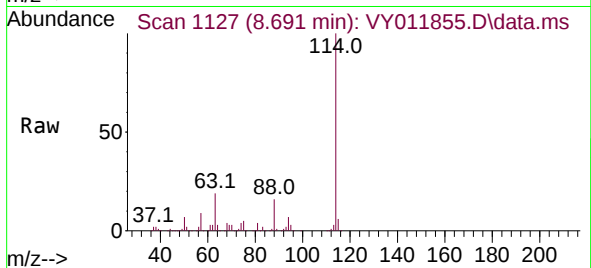
Tgt Ion:114 Resp: 429820

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 15.5 0.0 32.2



#35

Dibromofluoromethane

Concen: 46.809 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011855.D

Acq: 14 Dec 2022 18:57

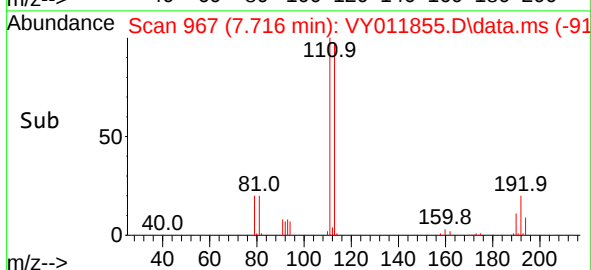
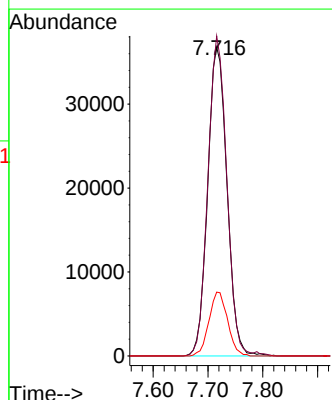
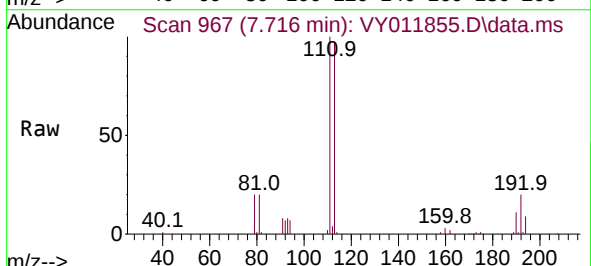
Tgt Ion:113 Resp: 89864

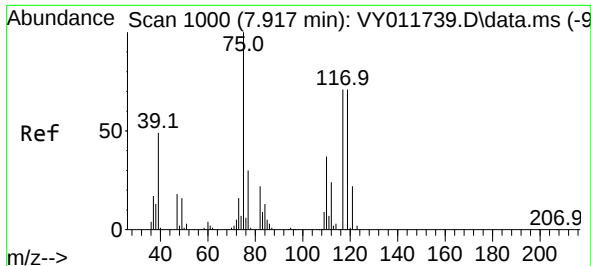
Ion Ratio Lower Upper

113 100

111 101.5 83.0 124.4

192 20.0 16.0 24.0





#36

1,1-Dichloropropene

Concen: 5.662 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011855.D

Acq: 14 Dec 2022 18:57

Instrument :

MSVOA_Y

ClientSampleId :

RB-32-(7-9)

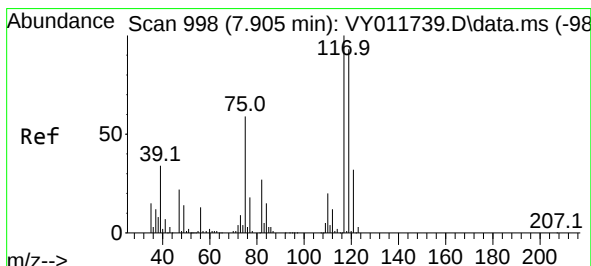
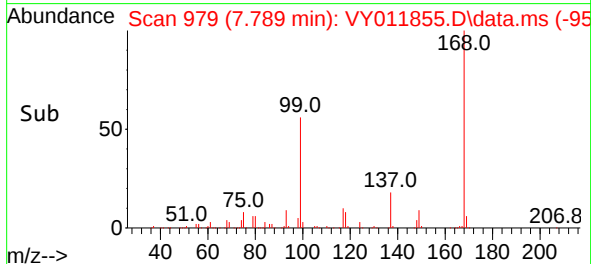
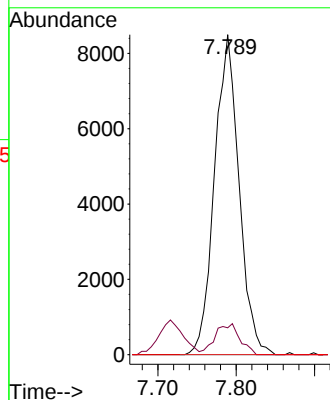
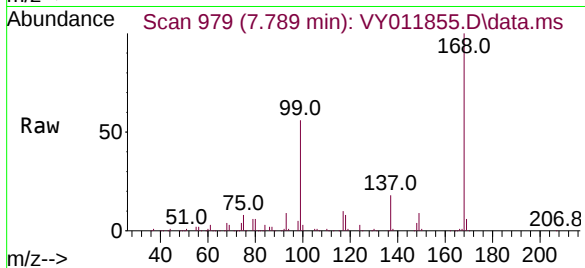
Tgt Ion: 75 Resp: 18467

Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.580 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011855.D

Acq: 14 Dec 2022 18:57

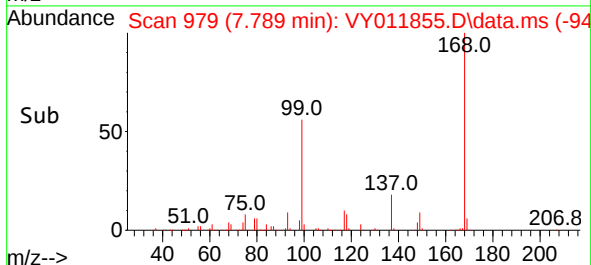
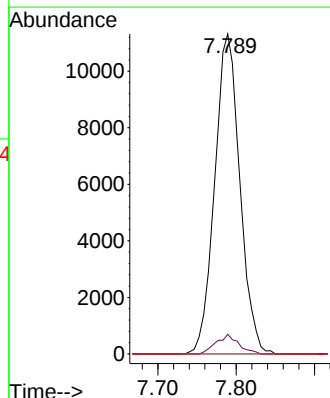
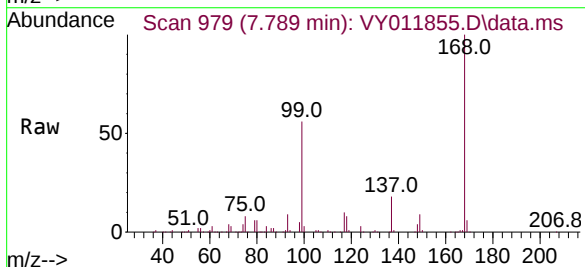
Tgt Ion: 117 Resp: 25209

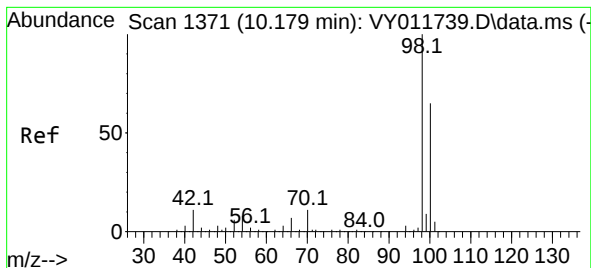
Ion Ratio Lower Upper

117 100

119 6.1 73.8 110.8#

121 0.0 25.2 37.8#





#50

Toluene-d8

Concen: 39.674 ug/l

RT: 10.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY011855.D

Acq: 14 Dec 2022 18:57

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ClientSampleId :

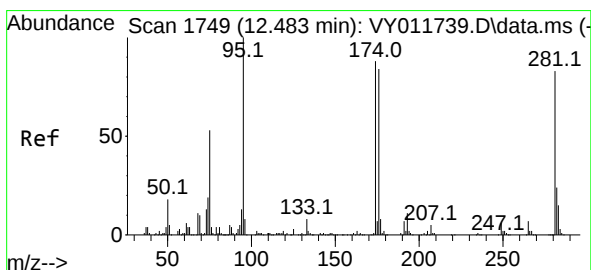
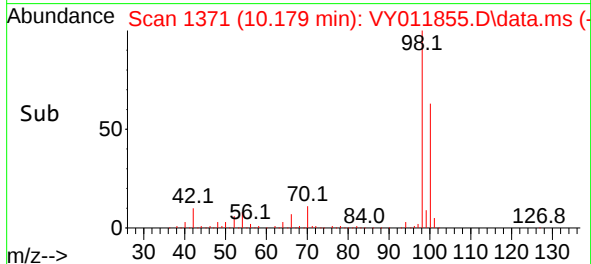
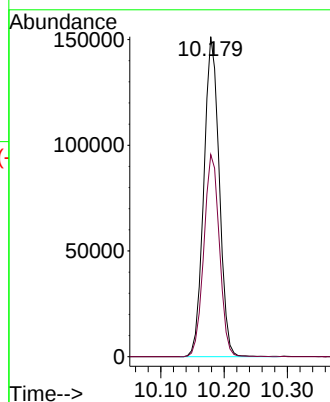
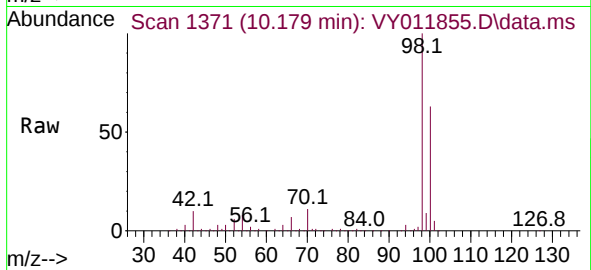
RB-32-(7-9)

Tgt Ion: 98 Resp: 256982

Ion Ratio Lower Upper

98 100

100 63.8 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 39.694 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY011855.D

Acq: 14 Dec 2022 18:57

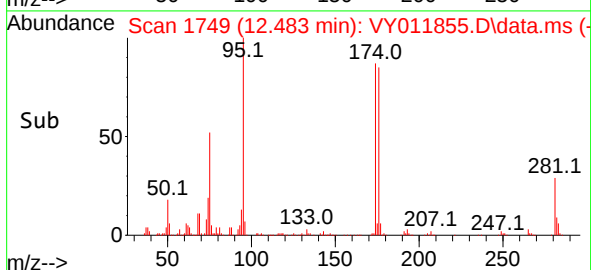
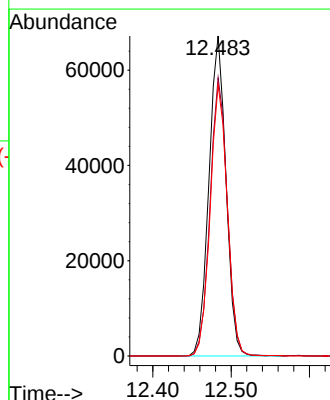
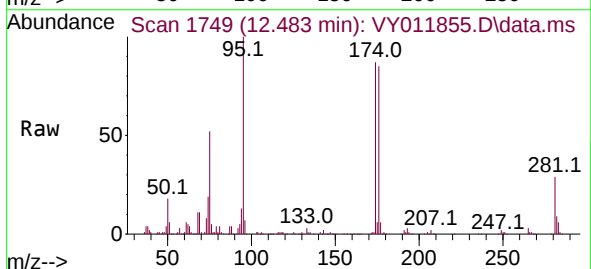
Tgt Ion: 95 Resp: 101263

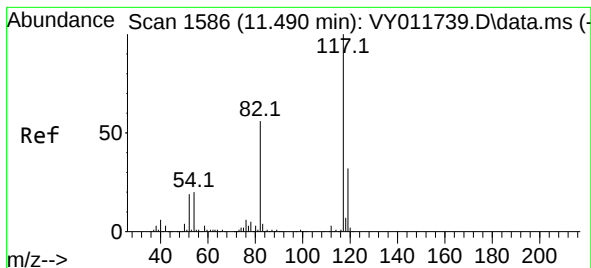
Ion Ratio Lower Upper

95 100

174 87.9 0.0 172.0

176 85.4 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: VY011855.D

Acq: 14 Dec 2022 18:57

Instrument :

MSVOA_Y

ClientSampleId :

RB-32-(7-9)

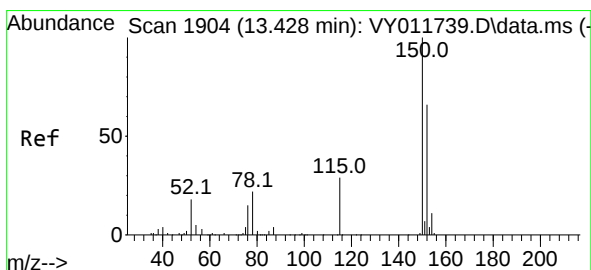
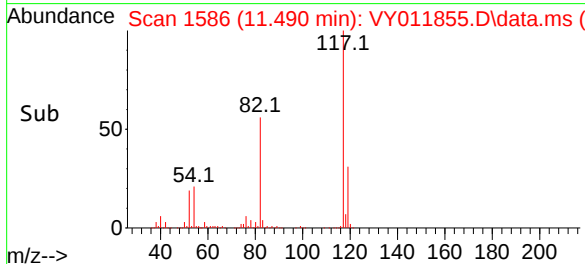
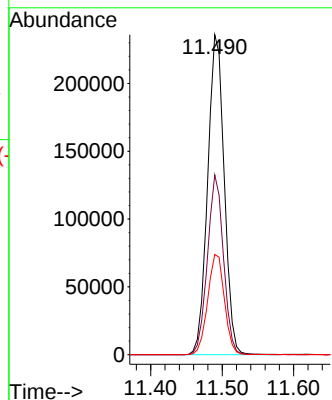
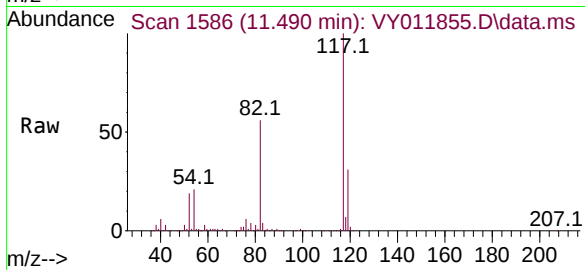
Tgt Ion:117 Resp: 379729

Ion Ratio Lower Upper

117 100

82 56.2 44.8 67.2

119 31.3 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: VY011855.D

Acq: 14 Dec 2022 18:57

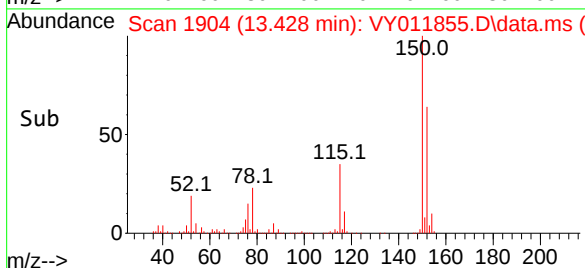
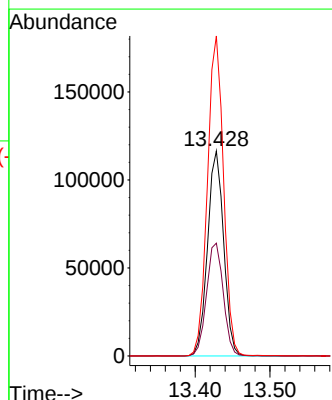
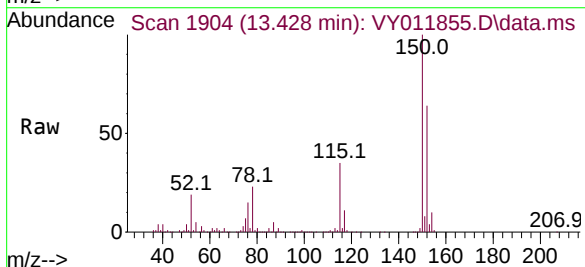
Tgt Ion:152 Resp: 174197

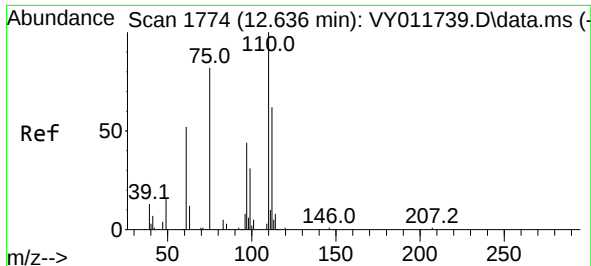
Ion Ratio Lower Upper

152 100

115 57.2 29.1 87.3

150 156.0 0.0 342.6

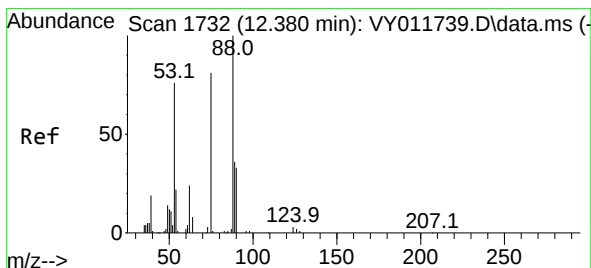
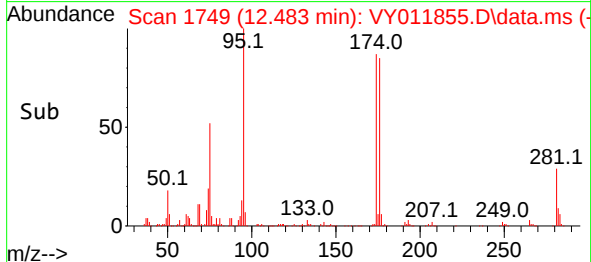
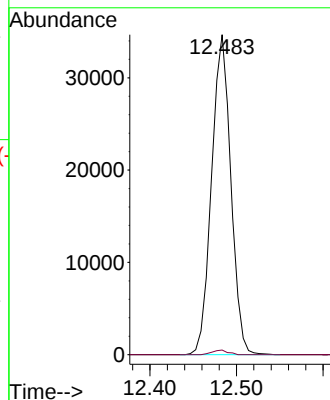
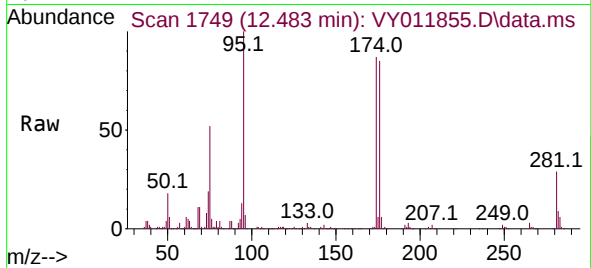




#76
1,2,3-Trichloropropane
Concen: 30.366 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011855.D
Acq: 14 Dec 2022 18:57

Instrument :
MSVOA_Y
ClientSampleId :
RB-32-(7-9)

Tgt Ion: 75 Resp: 53517
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.906 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011855.D
Acq: 14 Dec 2022 18:57

Tgt Ion: 75 Resp: 53517
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.4 37.0 55.4#

