

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110422\
 Data File : VY011303.D
 Acq On : 04 Nov 2022 17:31
 Operator : KP/MD
 Sample : N5310-08RE
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 07 01:53:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:56:18 2022
 Response via : Initial Calibration

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

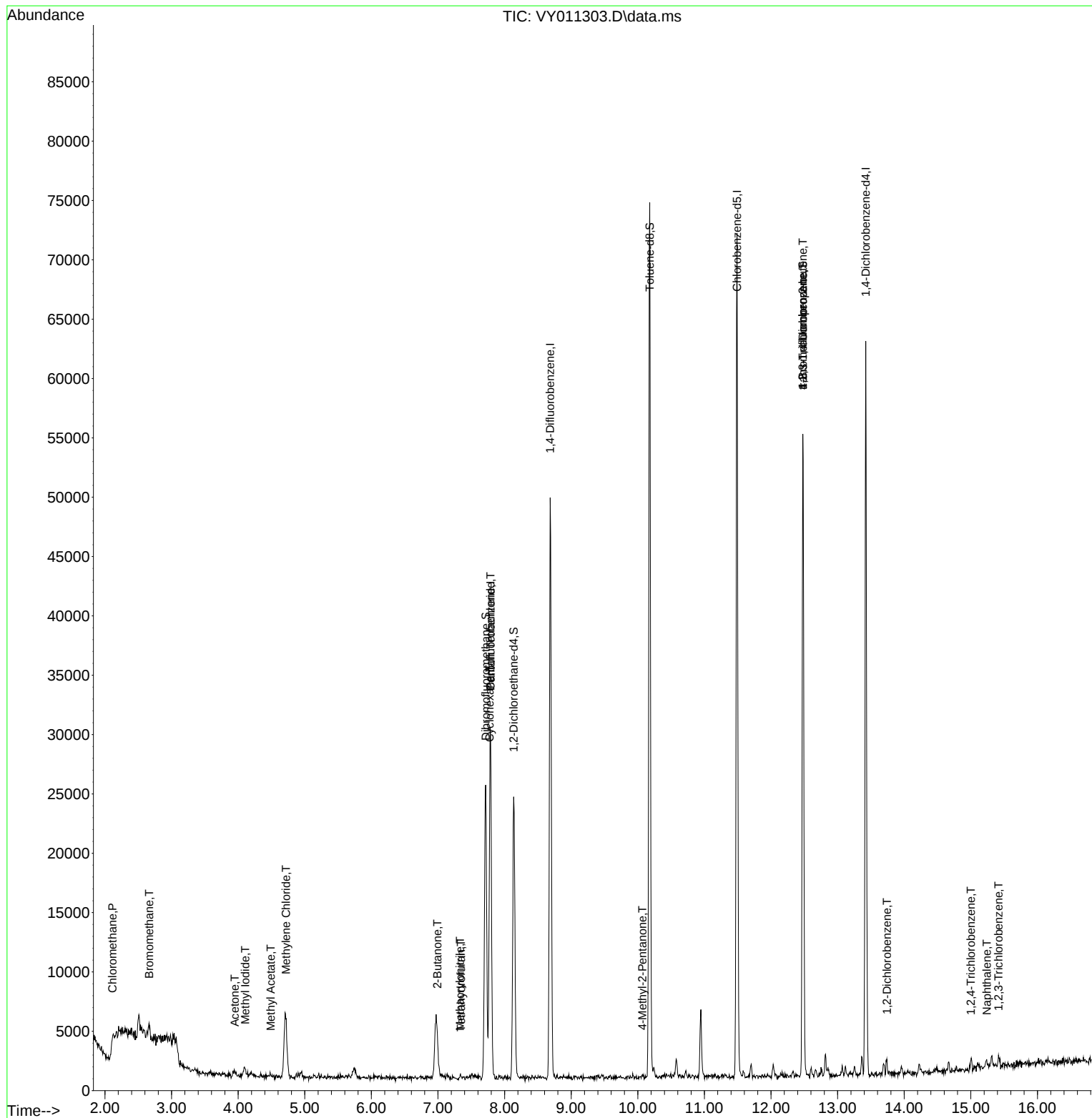
Internal Standards						
1) Pentafluorobenzene	7.789	168	23450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	42750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	41206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	16121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	18576	74.067	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 148.140%	
35) Dibromofluoromethane	7.716	113	17503	63.724	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 127.440%	
50) Toluene-d8	10.179	98	50781	47.618	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.240%	
62) 4-Bromofluorobenzene	12.477	95	18038	48.723	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	484	1.861	ug/l	89
5) Bromomethane	2.662	94	571	2.947	ug/l	95
10) Methyl Iodide	4.107	142	1233	3.713	ug/l #	80
11) Tert butyl alcohol	4.948	59	424	Below Cal	#	77
13) Acrolein	3.717	56	43	Below Cal	#	1
16) Acetone	3.948	43	875	11.558	ug/l #	87
18) Methyl Acetate	4.491	43	279	1.392	ug/l #	56
20) Methylene Chloride	4.716	84	4480	10.497	ug/l #	70
25) 2-Butanone	6.990	43	635	5.961	ug/l #	54
29) Tetrahydrofuran	7.344	42	102	1.645	ug/l #	38
31) Cyclohexane	7.777	56	559	1.203	ug/l #	1
38) Carbon Tetrachloride	7.789	117	2232	4.796	ug/l #	18
41) Methacrylonitrile	7.332	41	157	1.195	ug/l #	1
51) 4-Methyl-2-Pentanone	10.069	43	252	1.088	ug/l #	40
76) 1,2,3-Trichloropropane	12.477	75	8716	44.411	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	8716	95.044	ug/l #	7
91) 1,2-Dichlorobenzene	13.739	146	563	1.109	ug/l	90
93) 1,2,4-Trichlorobenzene	15.001	180	379	1.235	ug/l	98
95) Naphthalene	15.239	128	835	5.040	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.416	180	370	1.372	ug/l #	83

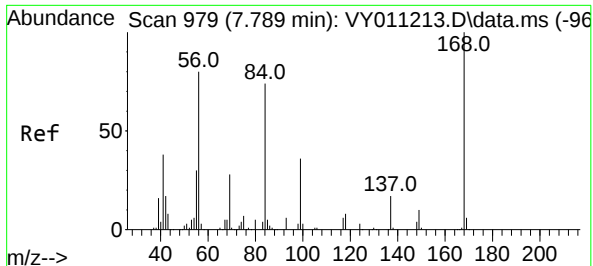
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Nov 07 01:53:25 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 01 11:56:18 2022
Response via : Initial Calibration

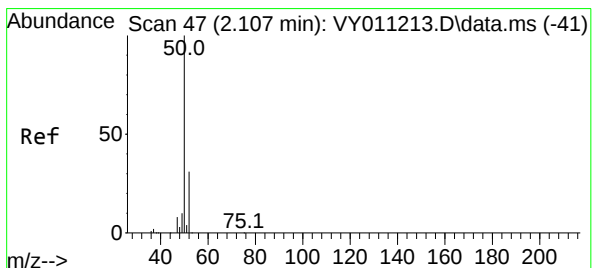
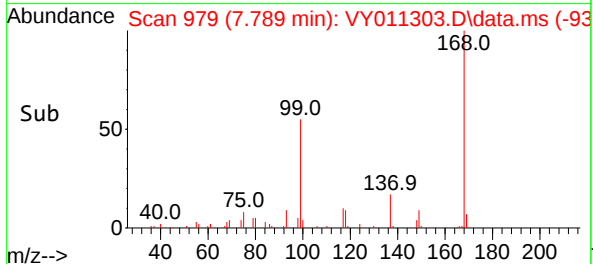
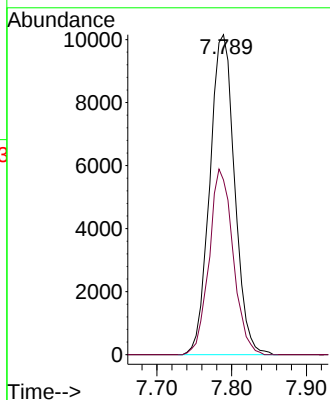
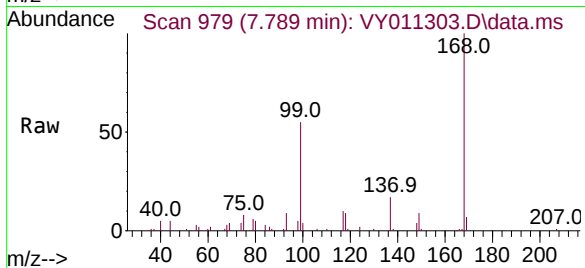




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011303.D
Acq: 04 Nov 2022 17:31

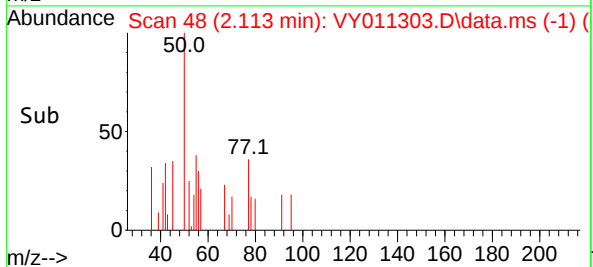
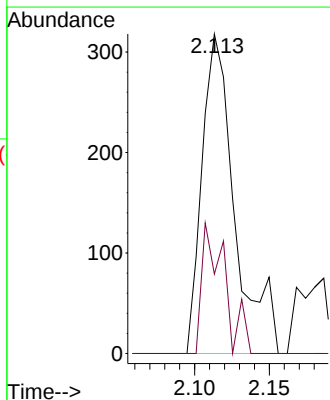
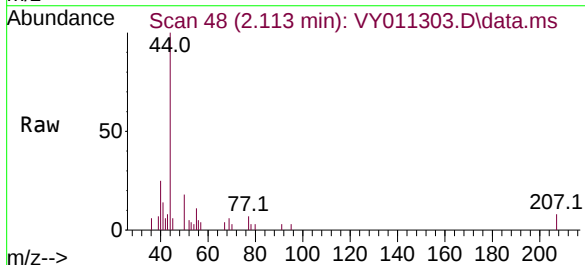
Instrument :
MSVOA_Y
ClientSampleId :

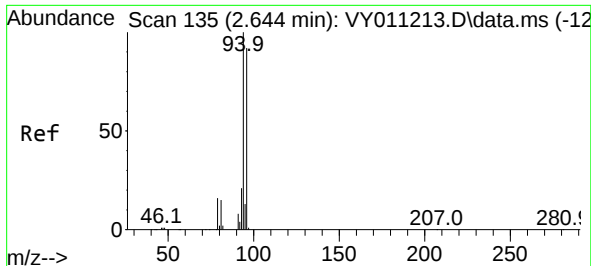
Tgt Ion:168 Resp: 23450
Ion Ratio Lower Upper
168 100
99 54.6 46.9 70.3



#3
Chloromethane
Concen: 1.861 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011303.D
Acq: 04 Nov 2022 17:31

Tgt Ion: 50 Resp: 484
Ion Ratio Lower Upper
50 100
52 24.8 24.6 37.0

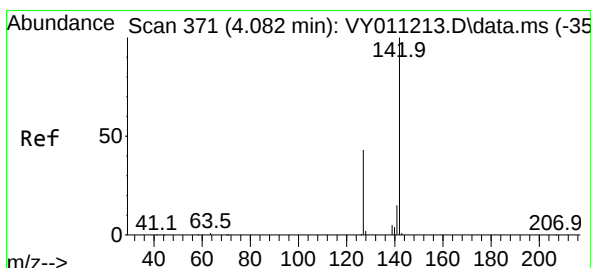
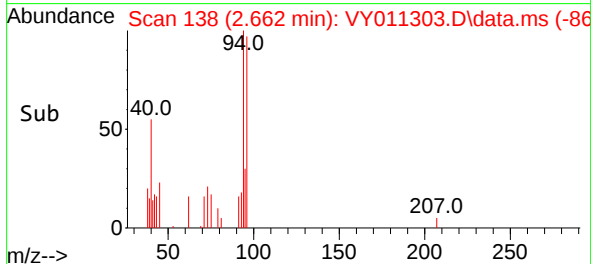
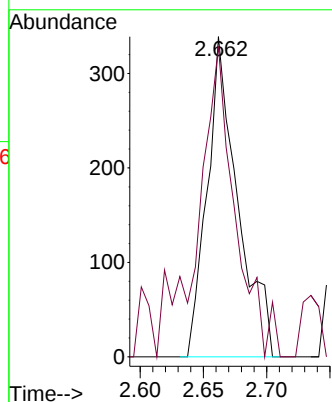
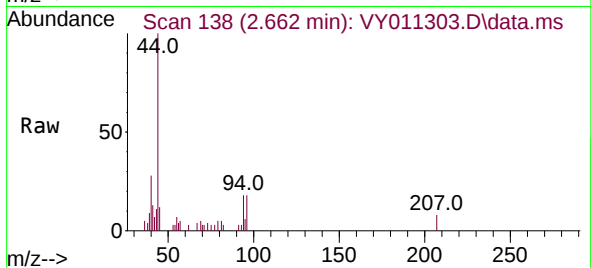




#5
Bromomethane
Concen: 2.947 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY011303.D
Acq: 04 Nov 2022 17:31

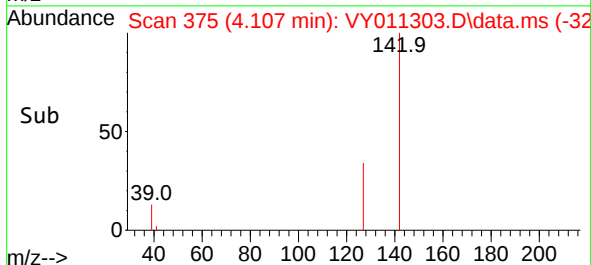
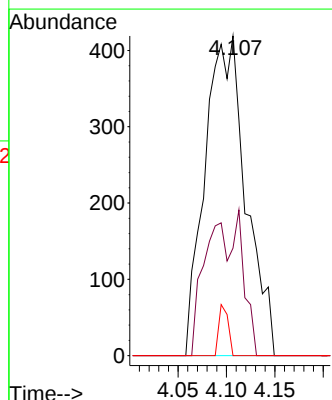
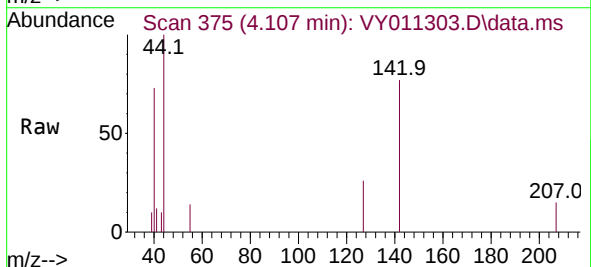
Instrument :
MSVOA_Y
ClientSampleId :

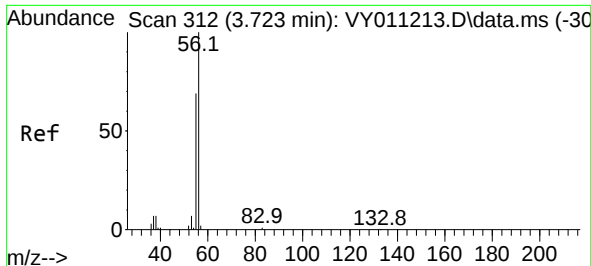
Tgt Ion: 94 Resp: 571
Ion Ratio Lower Upper
94 100
96 97.1 73.5 110.3



#10
Methyl Iodide
Concen: 3.713 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.019 min
Lab File: VY011303.D
Acq: 04 Nov 2022 17:31

Tgt Ion:142 Resp: 1233
Ion Ratio Lower Upper
142 100
127 38.9 41.5 62.3#
141 3.6 11.9 17.9#

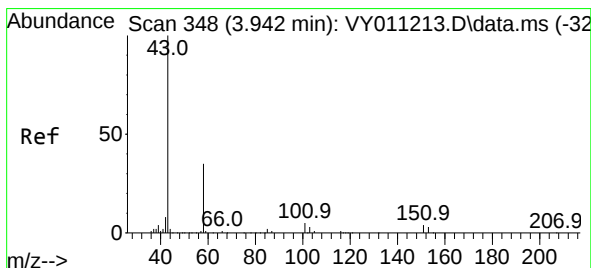
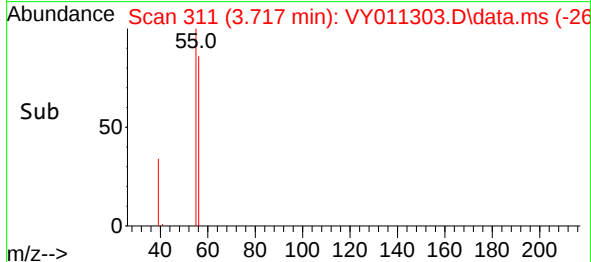
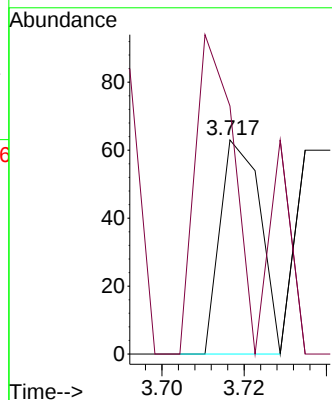
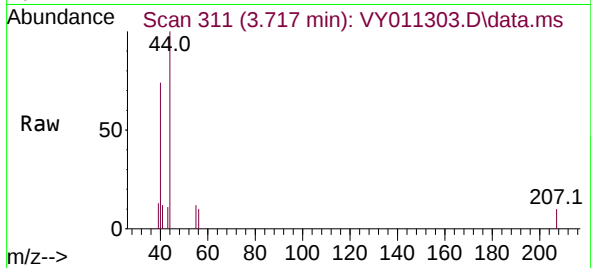




#13
Acrolein
Concen: Below Cal
RT: 3.717 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY011303.D
Acq: 04 Nov 2022 17:31

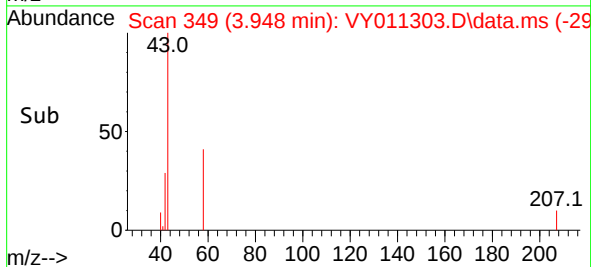
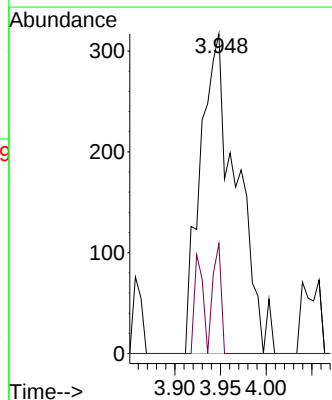
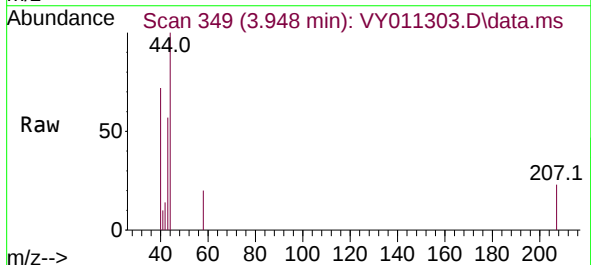
Instrument :
MSVOA_Y
ClientSampleId :

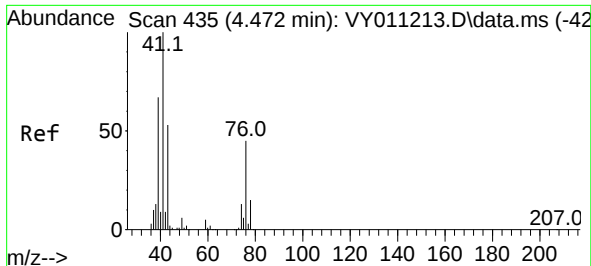
Tgt Ion: 56 Resp: 43
Ion Ratio Lower Upper
56 100
55 195.3 57.6 86.4#



#16
Acetone
Concen: 11.558 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY011303.D
Acq: 04 Nov 2022 17:31

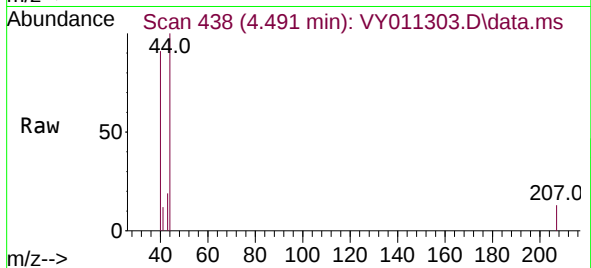
Tgt Ion: 43 Resp: 875
Ion Ratio Lower Upper
43 100
58 34.4 22.0 33.0#



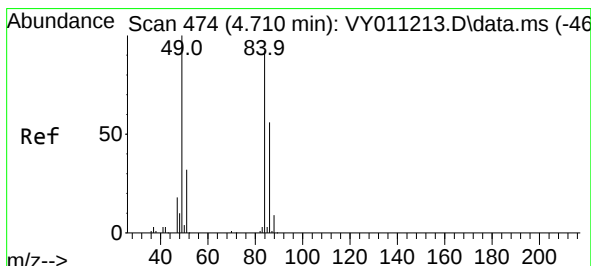
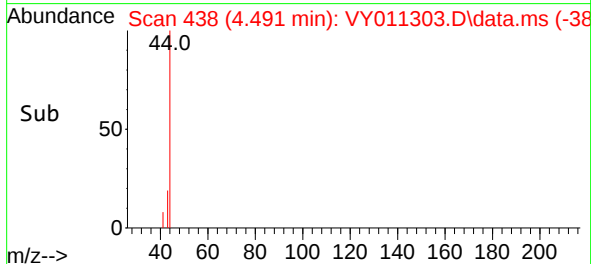
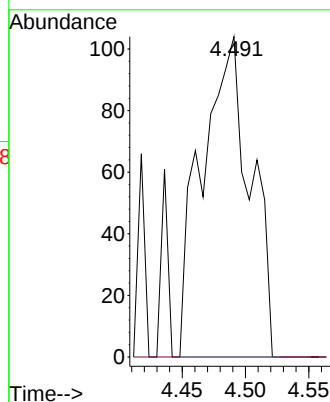


#18
Methyl Acetate
Concen: 1.392 ug/l
RT: 4.491 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY011303.D
Acq: 04 Nov 2022 17:31

Instrument :
MSVOA_Y
ClientSampleId :

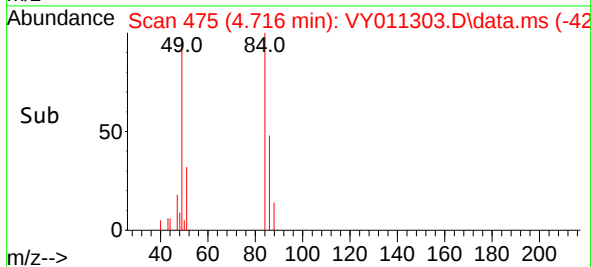
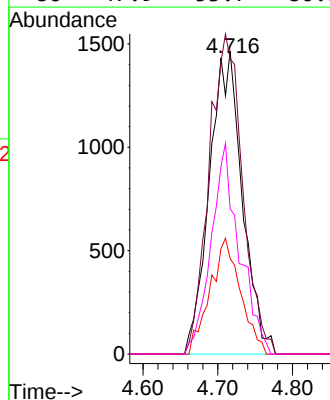
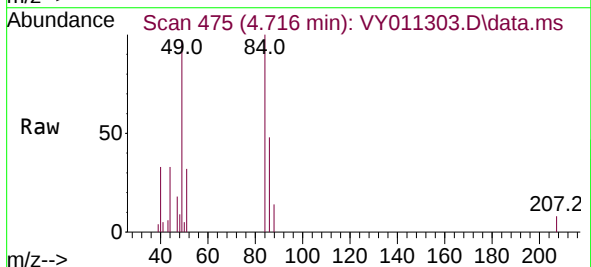


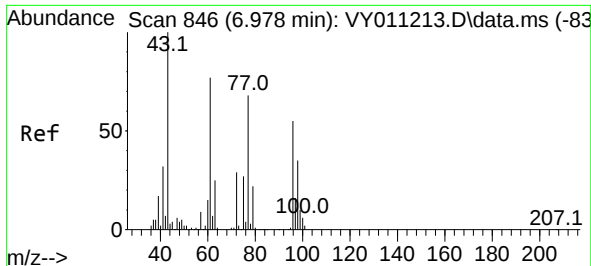
Tgt Ion: 43 Resp: 279
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 10.497 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY011303.D
Acq: 04 Nov 2022 17:31

Tgt Ion: 84 Resp: 4480
Ion Ratio Lower Upper
84 100
49 97.4 114.4 171.6#
51 31.5 35.3 52.9#
86 47.9 53.7 80.5#

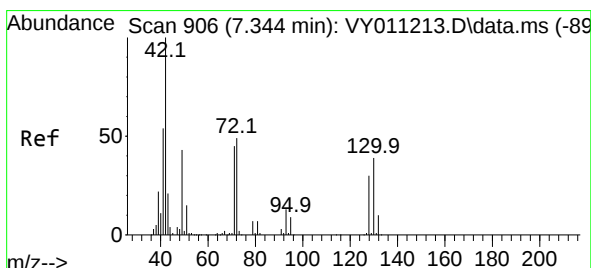
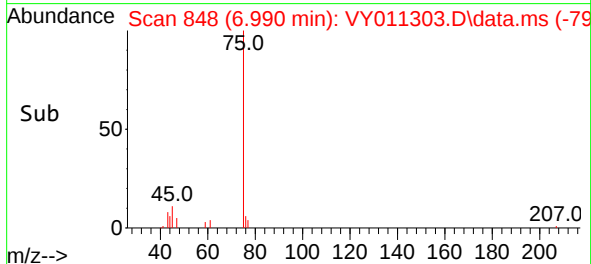
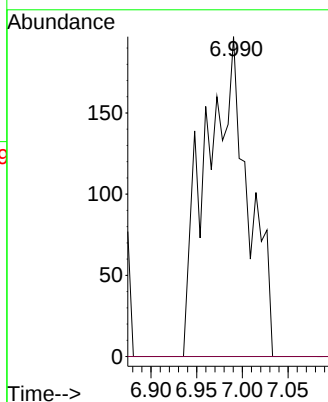
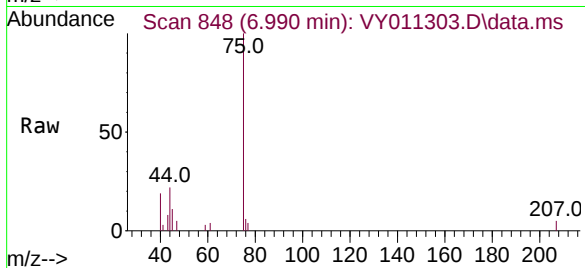




#25
2-Butanone
Concen: 5.961 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY011303.D
Acq: 04 Nov 2022 17:31

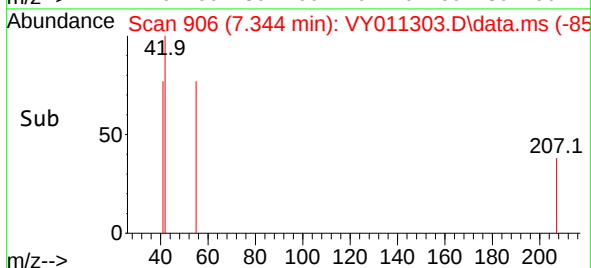
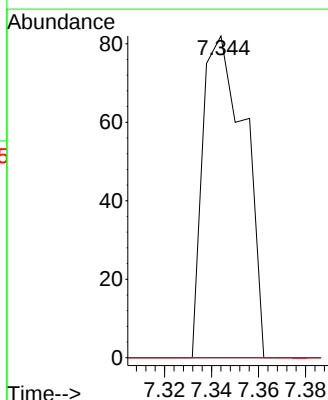
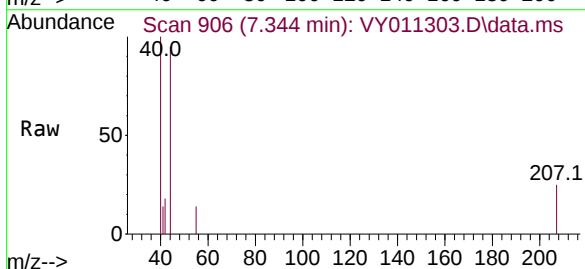
Instrument :
MSVOA_Y
ClientSampleId :

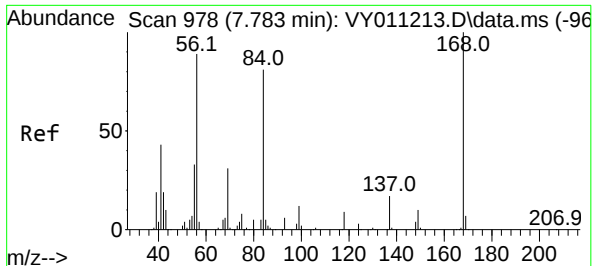
Tgt Ion: 43 Resp: 635
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#29
Tetrahydrofuran
Concen: 1.645 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY011303.D
Acq: 04 Nov 2022 17:31

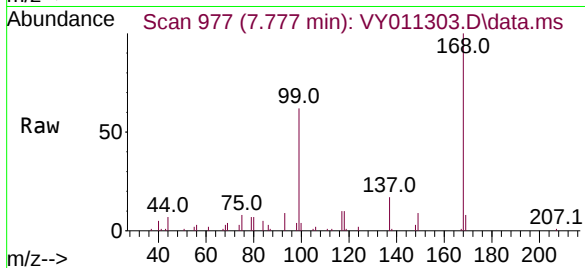
Tgt Ion: 42 Resp: 102
Ion Ratio Lower Upper
42 100
72 0.0 30.3 45.5#
71 0.0 29.0 43.4#



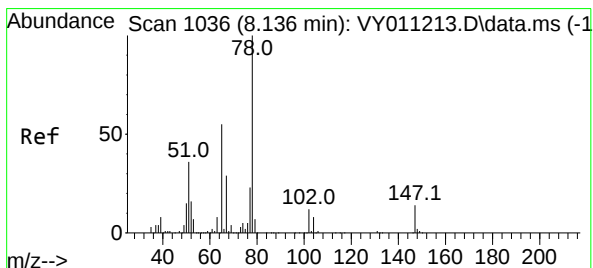
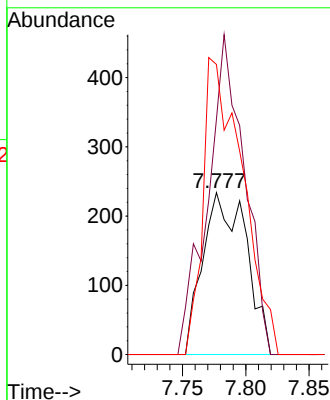
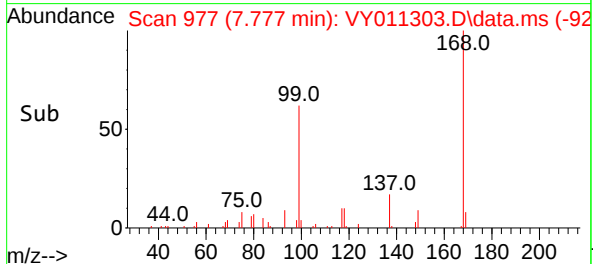


#31
Cyclohexane
Concen: 1.203 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011303.D
Acq: 04 Nov 2022 17:31

Instrument :
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ClientSampleId :

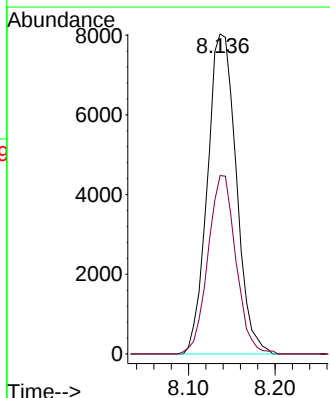
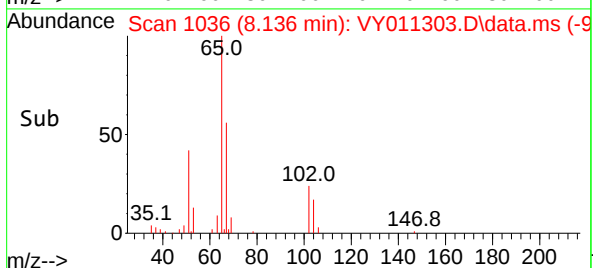
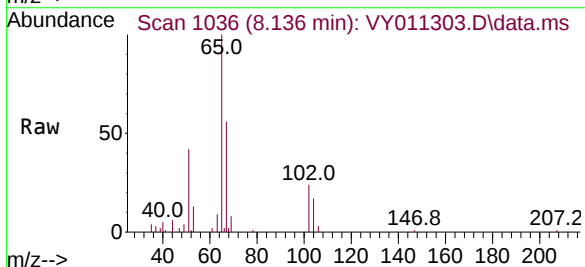


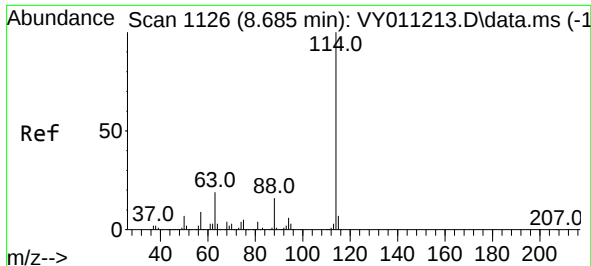
Tgt Ion: 56 Resp: 559
Ion Ratio Lower Upper
56 100
69 145.3 26.7 40.1#
84 179.1 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 74.067 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY011303.D
Acq: 04 Nov 2022 17:31

Tgt Ion: 65 Resp: 18576
Ion Ratio Lower Upper
65 100
67 54.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY011303.D

Acq: 04 Nov 2022 17:31

Instrument :

MSVOA_Y

ClientSampleId :

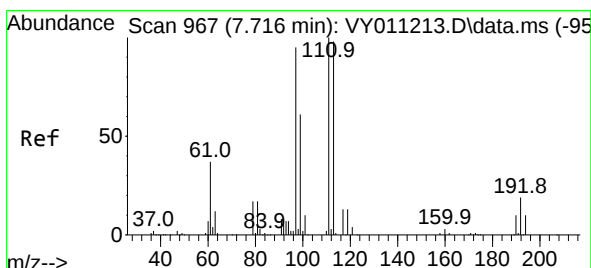
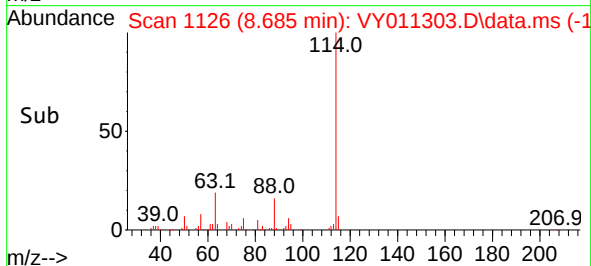
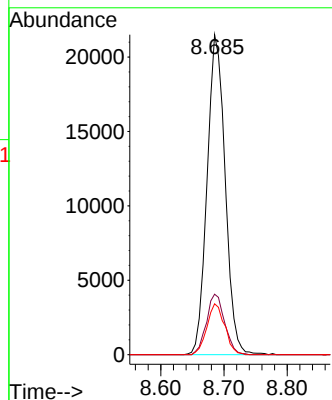
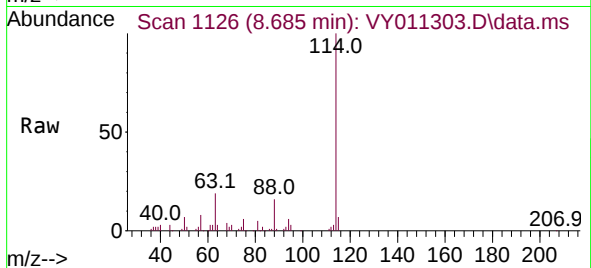
Tgt Ion:114 Resp: 42750

Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 15.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 63.724 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011303.D

Acq: 04 Nov 2022 17:31

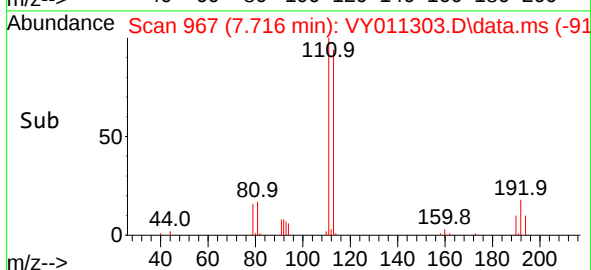
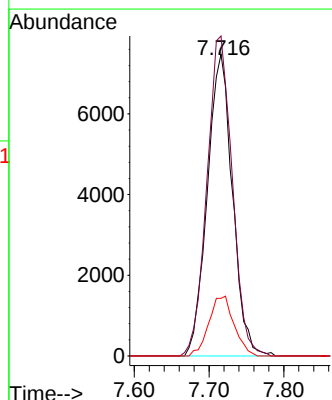
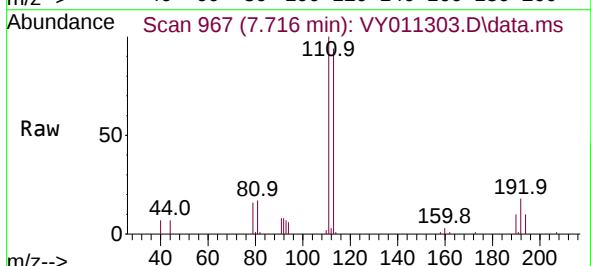
Tgt Ion:113 Resp: 17503

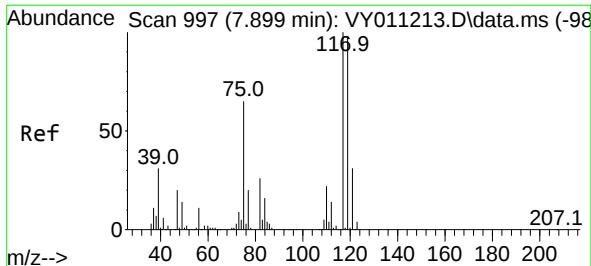
Ion Ratio Lower Upper

113 100

111 106.5 82.6 124.0

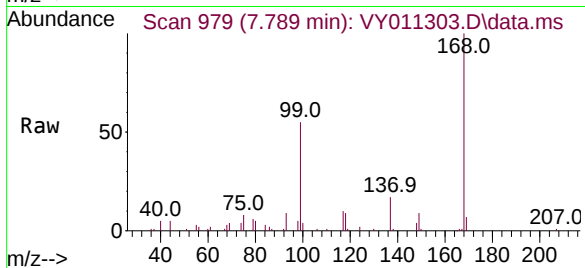
192 19.8 17.6 26.4



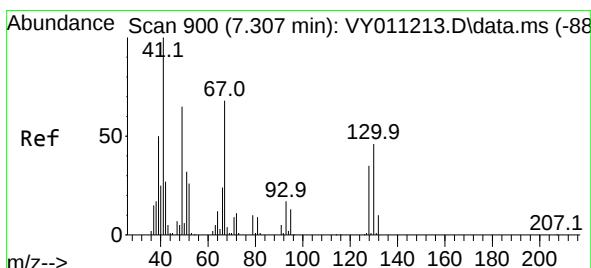
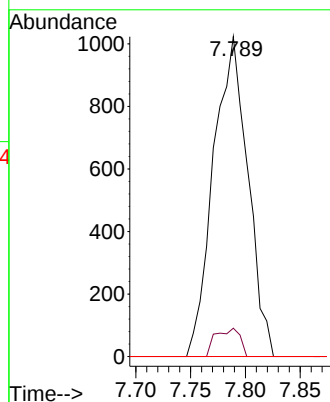
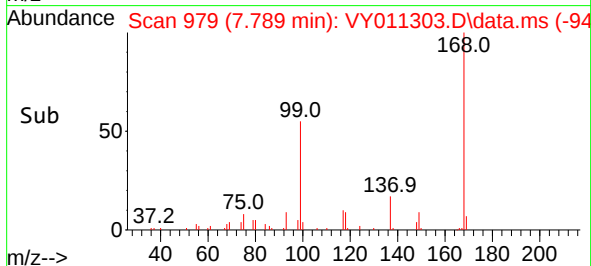


#38
Carbon Tetrachloride
Concen: 4.796 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.110 min
Lab File: VY011303.D
Acq: 04 Nov 2022 17:31

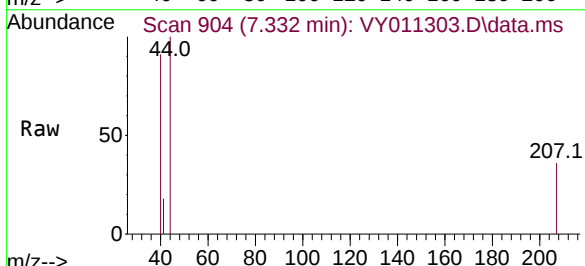
Instrument :
MSVOA_Y
ClientSampleId :



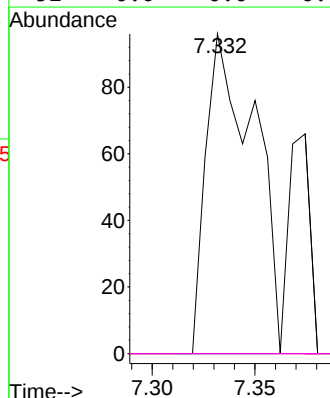
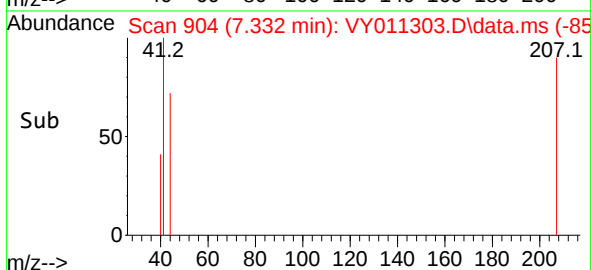
Tgt Ion: 117 Resp: 2232
Ion Ratio Lower Upper
117 100
119 8.9 77.9 116.9#
121 0.0 24.8 37.2#

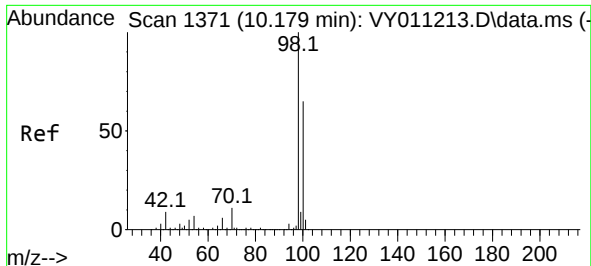


#41
Methacrylonitrile
Concen: 1.195 ug/l
RT: 7.332 min Scan# 904
Delta R.T. 0.025 min
Lab File: VY011303.D
Acq: 04 Nov 2022 17:31



Tgt Ion: 41 Resp: 157
Ion Ratio Lower Upper
41 100
39 0.0 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

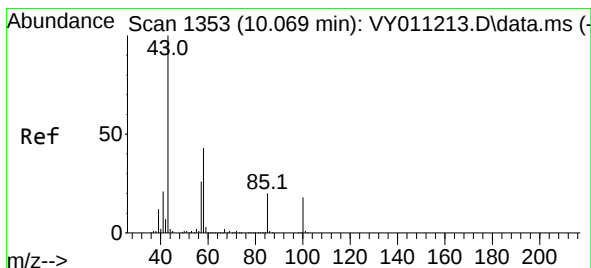
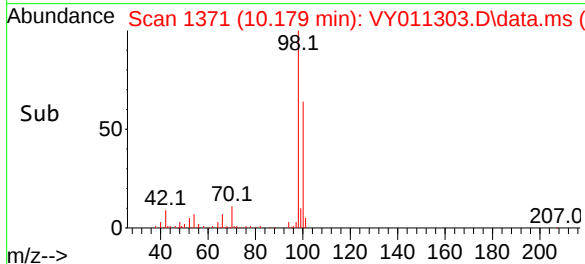
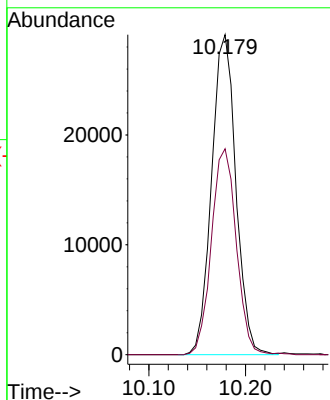
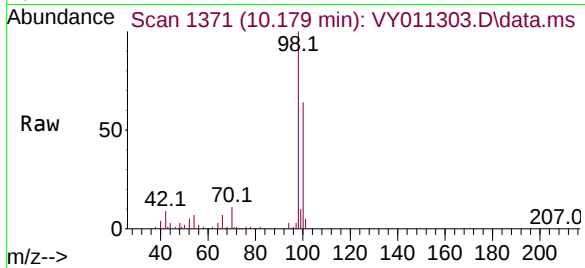




#50
Toluene-d8
Concen: 47.618 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011303.D
Acq: 04 Nov 2022 17:31

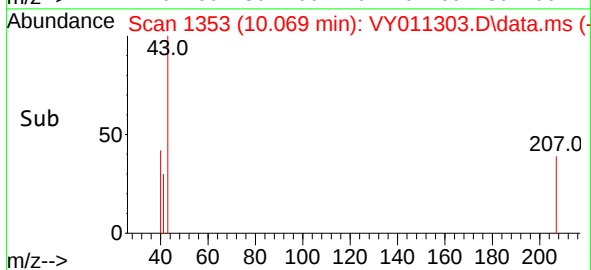
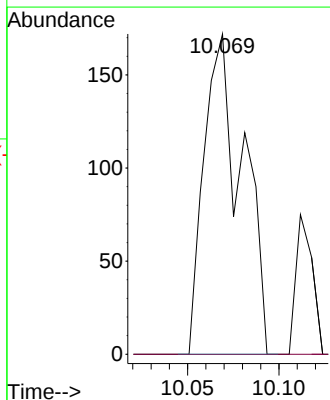
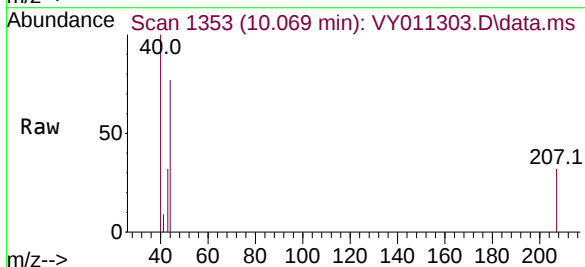
Instrument :
MSVOA_Y
ClientSampleId :

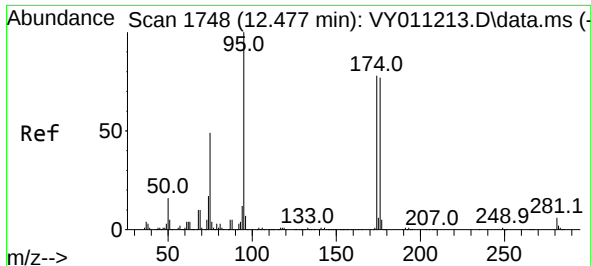
Tgt Ion: 98 Resp: 50781
Ion Ratio Lower Upper
98 100
100 66.1 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.088 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY011303.D
Acq: 04 Nov 2022 17:31

Tgt Ion: 43 Resp: 252
Ion Ratio Lower Upper
43 100
58 0.0 28.1 42.1#





#62

4-Bromofluorobenzene

Concen: 48.723 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY011303.D

Acq: 04 Nov 2022 17:31

Instrument :

MSVOA_Y

ClientSampleId :

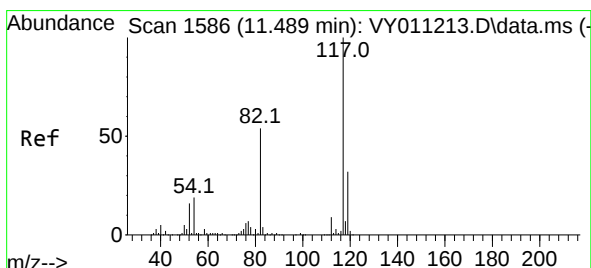
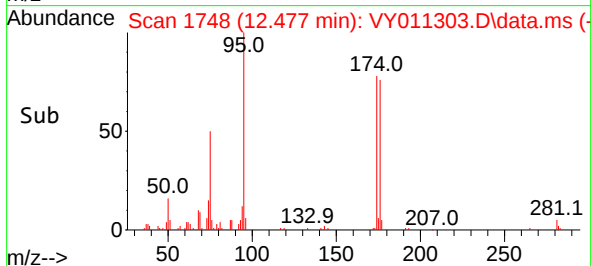
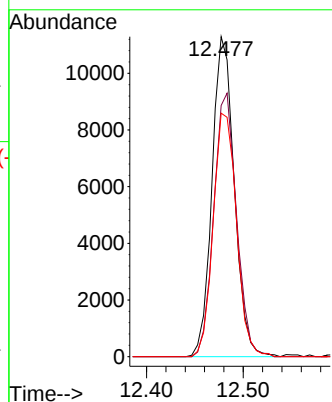
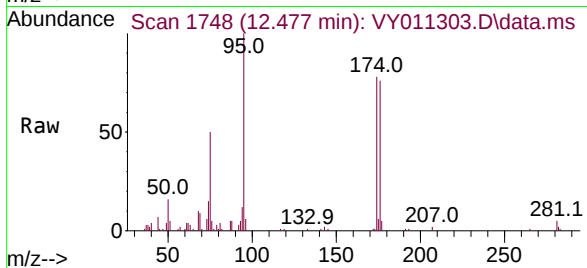
Tgt Ion: 95 Resp: 18038

Ion Ratio Lower Upper

95 100

174 84.0 0.0 177.0

176 79.5 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY011303.D

Acq: 04 Nov 2022 17:31

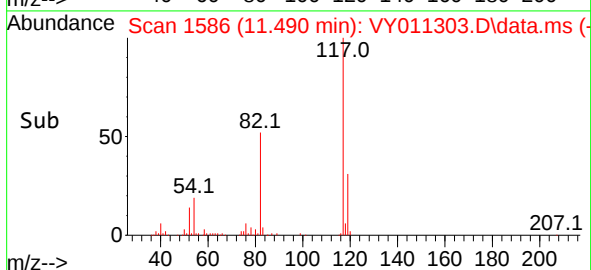
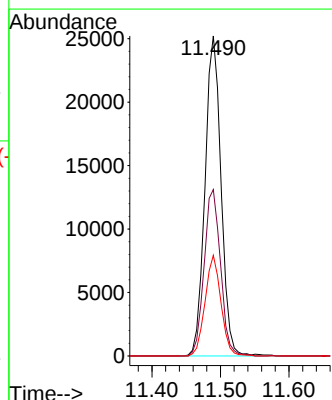
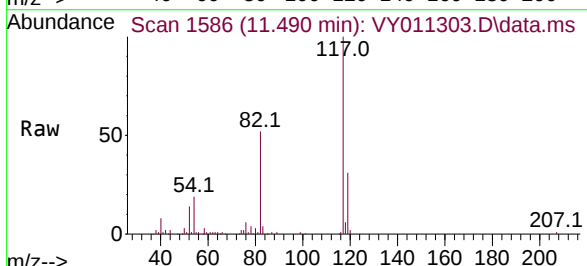
Tgt Ion: 117 Resp: 41206

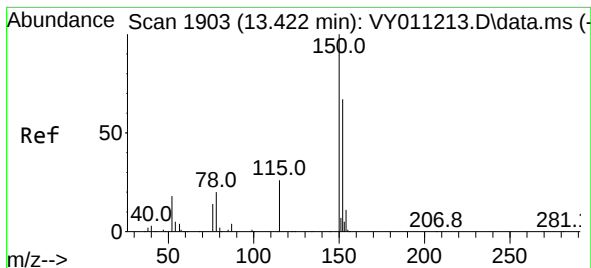
Ion Ratio Lower Upper

117 100

82 52.0 43.0 64.4

119 31.5 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY011303.D

Acq: 04 Nov 2022 17:31

Instrument :

MSVOA_Y

ClientSampleId :

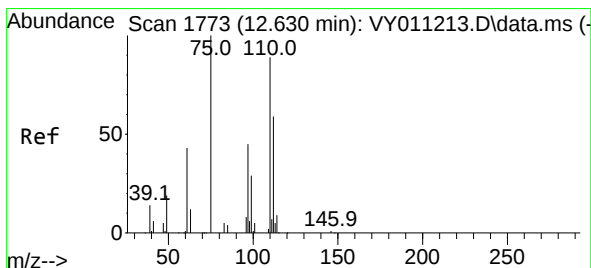
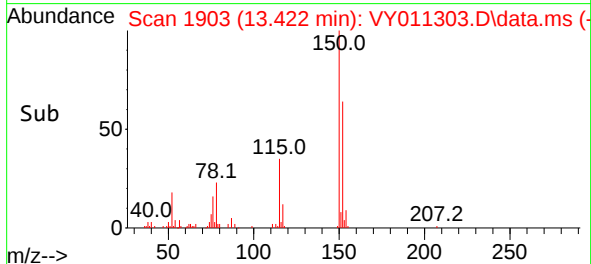
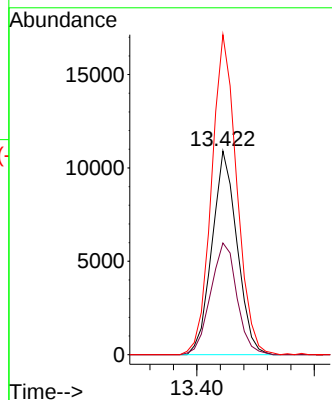
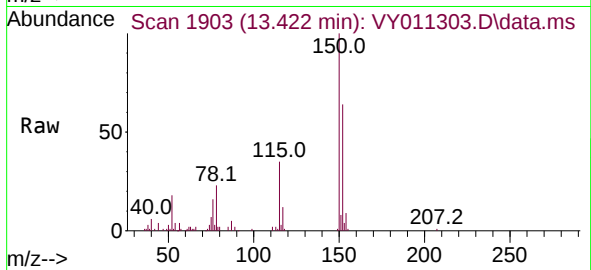
Tgt Ion:152 Resp: 16121

Ion Ratio Lower Upper

152 100

115 57.5 28.2 84.7

150 158.0 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 44.411 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY011303.D

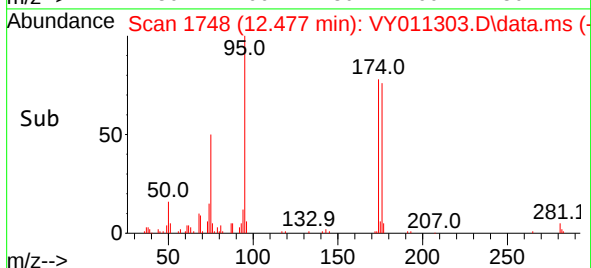
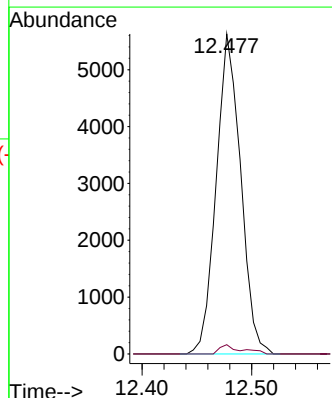
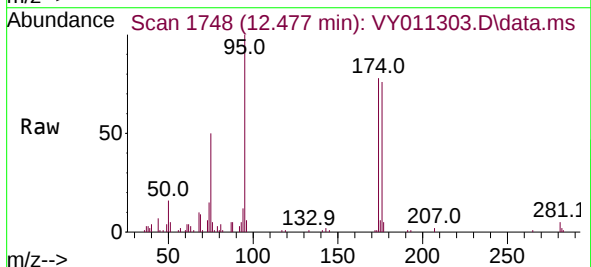
Acq: 04 Nov 2022 17:31

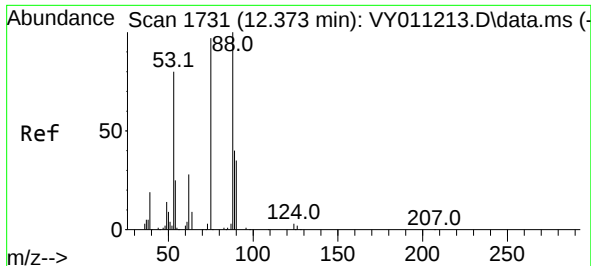
Tgt Ion: 75 Resp: 8716

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#

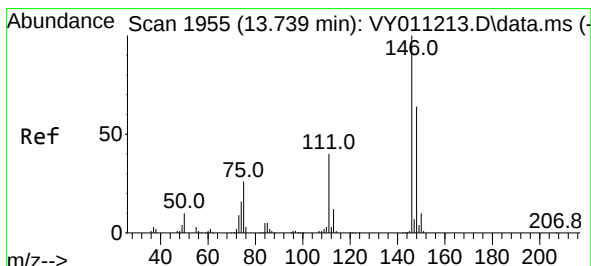
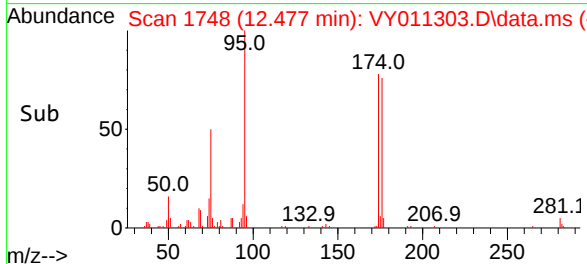
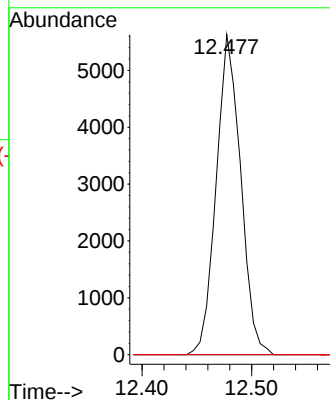
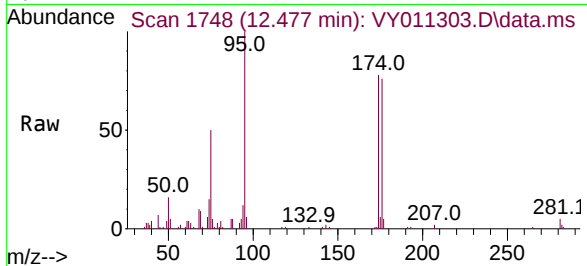




#81
trans-1,4-Dichloro-2-butene
Concen: 95.044 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011303.D
Acq: 04 Nov 2022 17:31

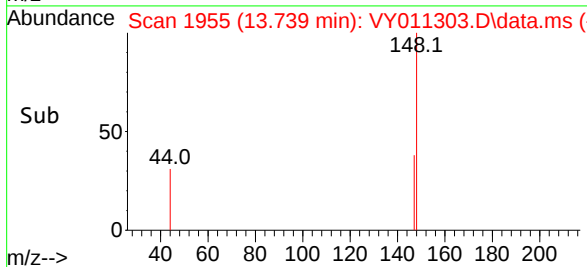
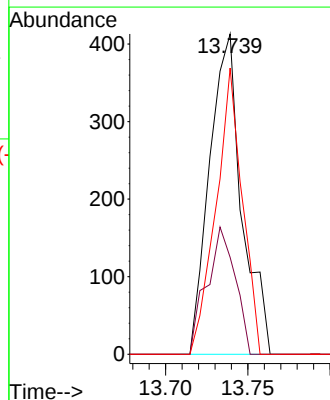
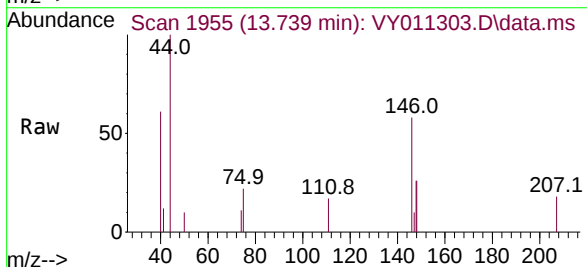
Instrument :
MSVOA_Y
ClientSampleId :

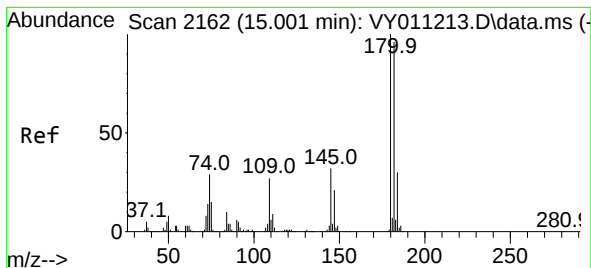
Tgt Ion: 75 Resp: 8716
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#91
1,2-Dichlorobenzene
Concen: 1.109 ug/l
RT: 13.739 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VY011303.D
Acq: 04 Nov 2022 17:31

Tgt Ion:146 Resp: 563
Ion Ratio Lower Upper
146 100
111 34.8 20.3 60.9
148 73.2 32.3 96.9





#93

1,2,4-Trichlorobenzene

Concen: 1.235 ug/l

RT: 15.001 min Scan# 2162

Delta R.T. -0.006 min

Lab File: VY011303.D

Acq: 04 Nov 2022 17:31

Instrument :

MSVOA_Y

ClientSampleId :

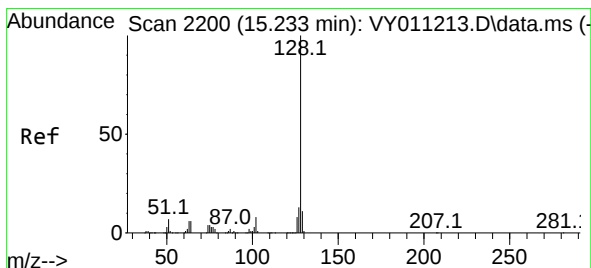
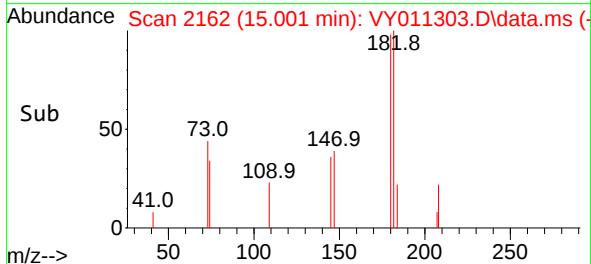
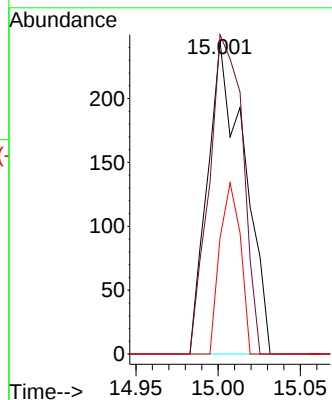
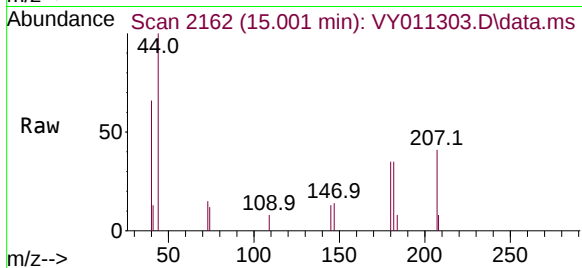
Tgt Ion:180 Resp: 379

Ion Ratio Lower Upper

180 100

182 93.4 47.3 141.9

145 30.9 14.6 43.8



#95

Naphthalene

Concen: 5.040 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY011303.D

Acq: 04 Nov 2022 17:31

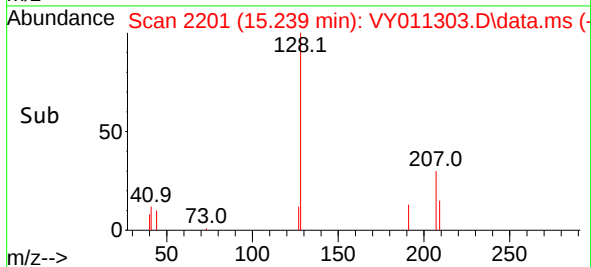
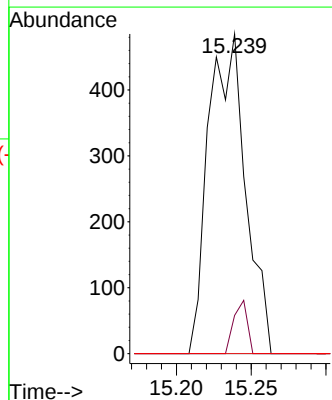
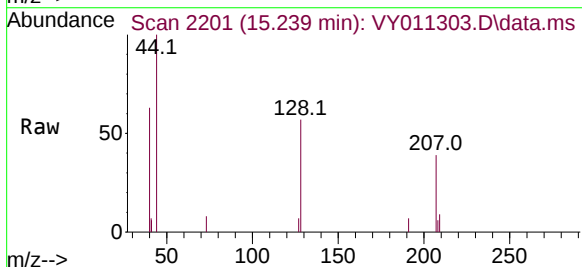
Tgt Ion:128 Resp: 835

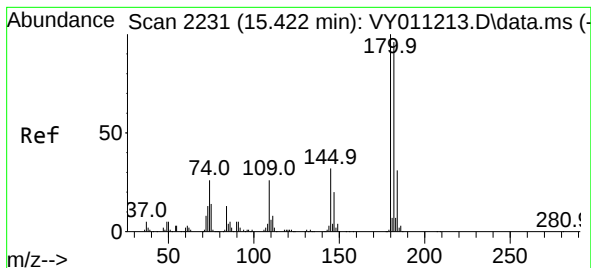
Ion Ratio Lower Upper

128 100

127 6.1 11.0 16.4#

129 0.0 8.4 12.6#





#96

1,2,3-Trichlorobenzene

Concen: 1.372 ug/l

RT: 15.416 min Scan# 21

Delta R.T. -0.006 min

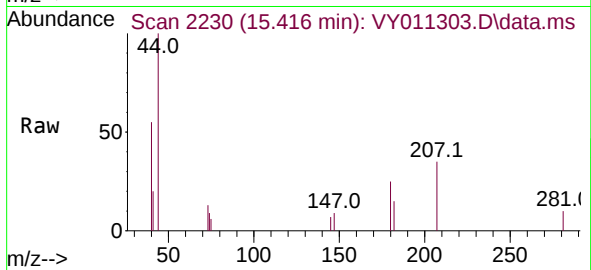
Lab File: VY011303.D

Acq: 04 Nov 2022 17:31

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:180 Resp: 370

Ion Ratio Lower Upper

180 100

182 81.6 47.3 141.9

145 14.3 15.3 45.9#

