

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
 Data File : VY020571.D
 Acq On : 10 Dec 2024 16:10
 Operator : SY/MD
 Sample : P5219-03
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 11 00:50:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 01:39:23 2024
 Response via : Initial Calibration

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

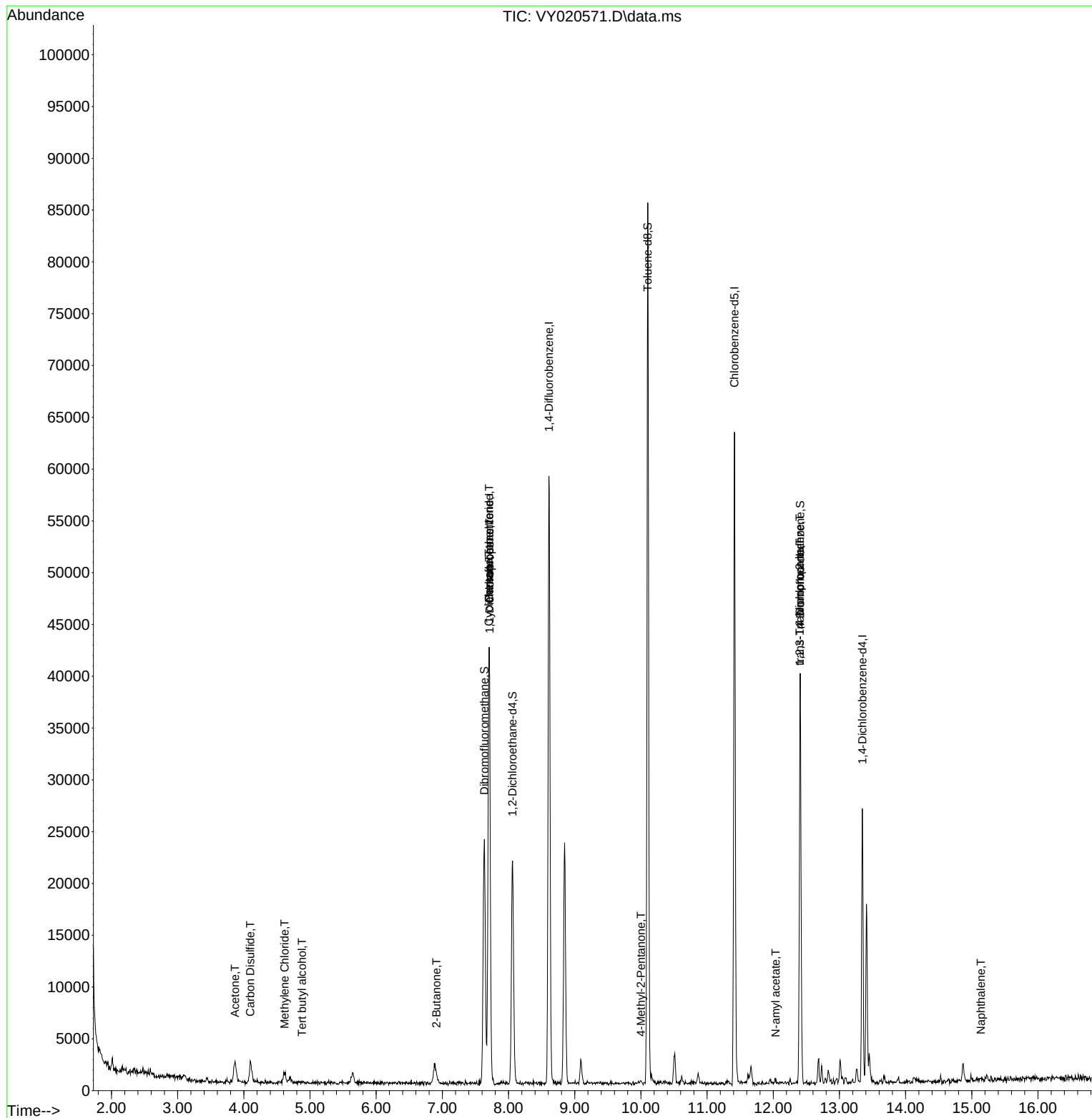
Internal Standards						
1) Pentafluorobenzene	7.707	168	32778	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	50464	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	32975	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	6538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	18319	54.953	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.900%	
35) Dibromofluoromethane	7.634	113	16583	52.198	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.400%	
50) Toluene-d8	10.103	98	52914	43.740	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 87.480%	
62) 4-Bromofluorobenzene	12.408	95	11301	26.710	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 53.420%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.879	59	49	2.266	ug/l #	73
16) Acetone	3.867	43	3631	43.806	ug/l	95
17) Carbon Disulfide	4.098	76	4145	4.256	ug/l	99
20) Methylene Chloride	4.616	84	523	1.483	ug/l #	77
25) 2-Butanone	6.909	43	188	1.796	ug/l #	50
31) Cyclohexane	7.701	56	767	1.168	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	2572	4.794	ug/l #	51
38) Carbon Tetrachloride	7.707	117	3363	5.252	ug/l #	16
51) 4-Methyl-2-Pentanone	10.000	43	291	1.373	ug/l #	72
74) N-amyl acetate	12.036	43	297	2.395	ug/l #	44
76) 1,2,3-Trichloropropane	12.402	75	5820	87.385	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	5820	179.302	ug/l #	9
95) Naphthalene	15.139	128	366	1.877	ug/l #	69

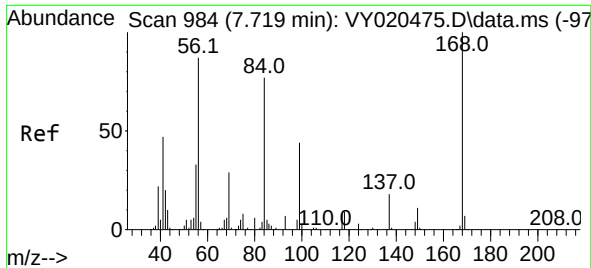
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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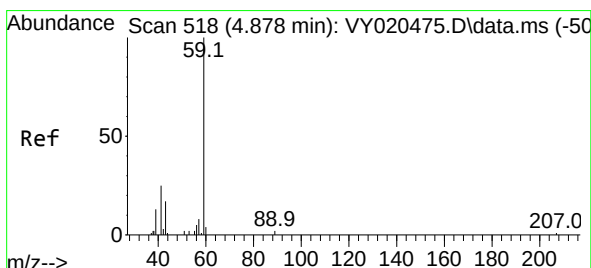
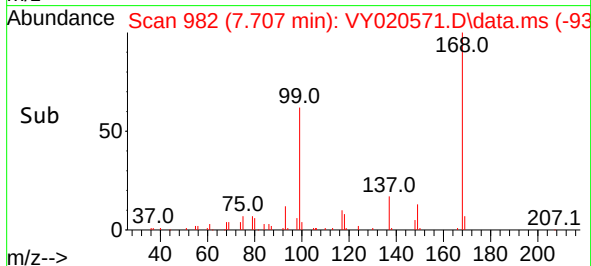
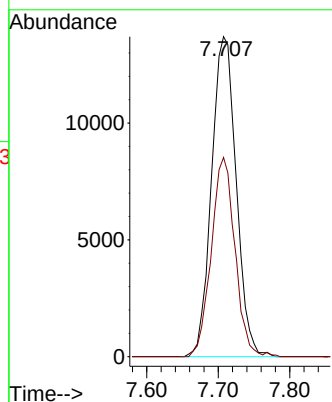
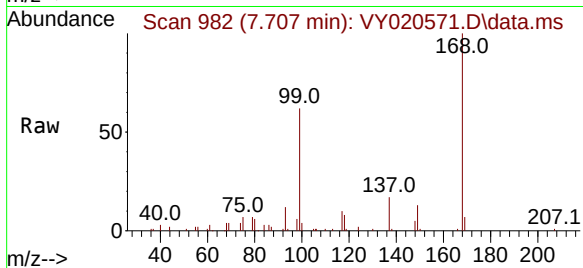




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020571.D
Acq: 10 Dec 2024 16:10

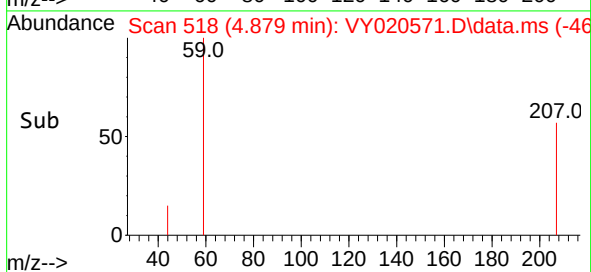
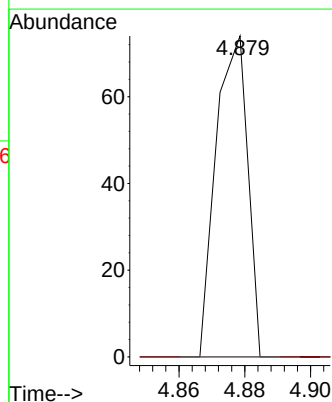
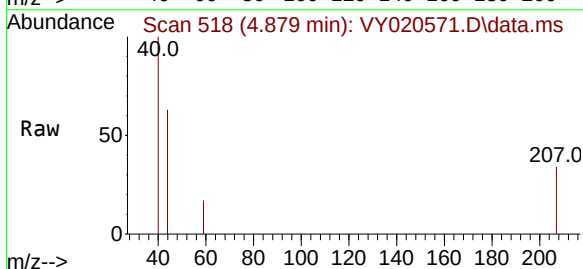
Instrument :
MSVOA_Y
ClientSampleId :

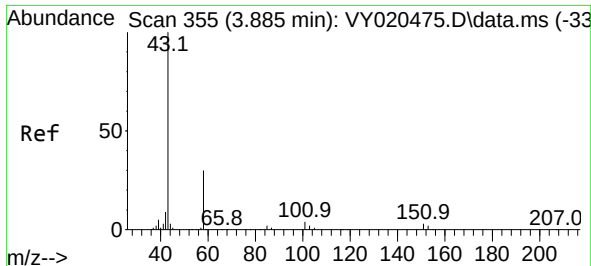
Tgt Ion:168 Resp: 32778
Ion Ratio Lower Upper
168 100
99 62.3 46.6 69.8



#11
Tert butyl alcohol
Concen: 2.266 ug/l
RT: 4.879 min Scan# 518
Delta R.T. 0.000 min
Lab File: VY020571.D
Acq: 10 Dec 2024 16:10

Tgt Ion: 59 Resp: 49
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

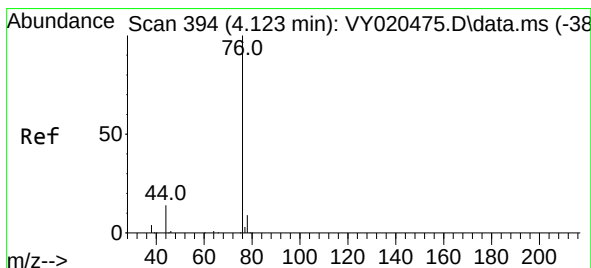
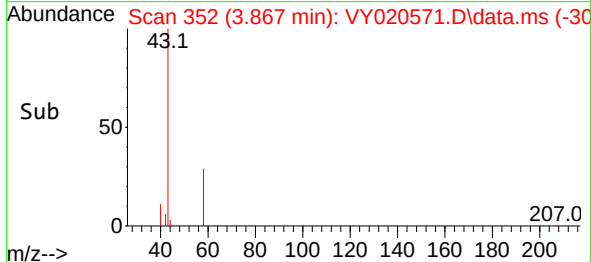
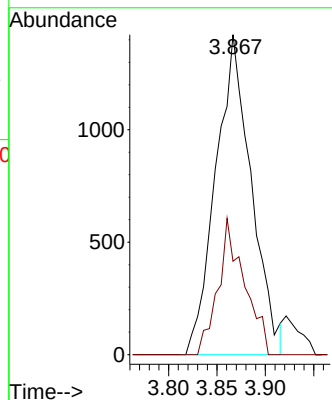
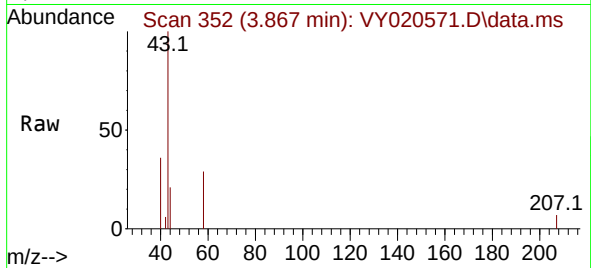




#16
Acetone
Concen: 43.806 ug/l
RT: 3.867 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY020571.D
Acq: 10 Dec 2024 16:10

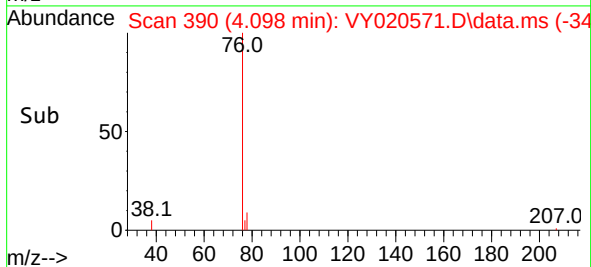
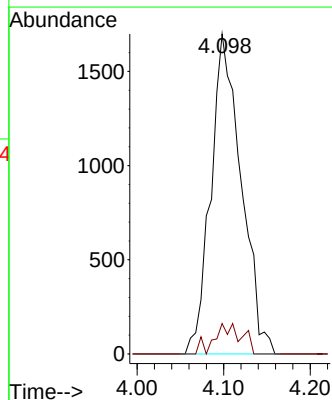
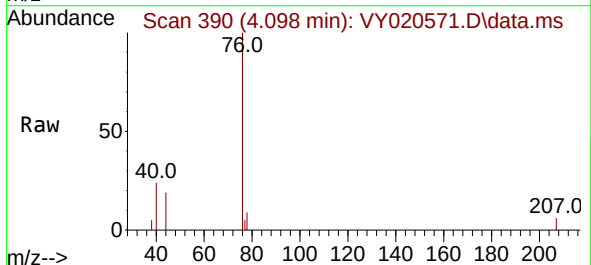
Instrument :
MSVOA_Y
ClientSampleId :

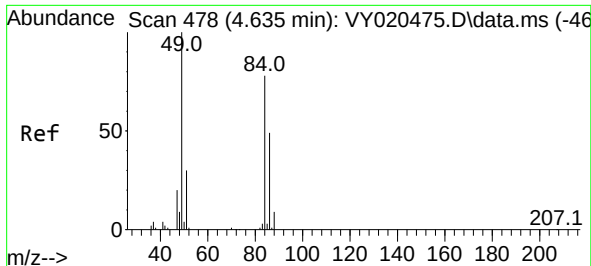
Tgt Ion: 43 Resp: 3631
Ion Ratio Lower Upper
43 100
58 29.2 25.7 38.5



#17
Carbon Disulfide
Concen: 4.256 ug/l
RT: 4.098 min Scan# 390
Delta R.T. -0.024 min
Lab File: VY020571.D
Acq: 10 Dec 2024 16:10

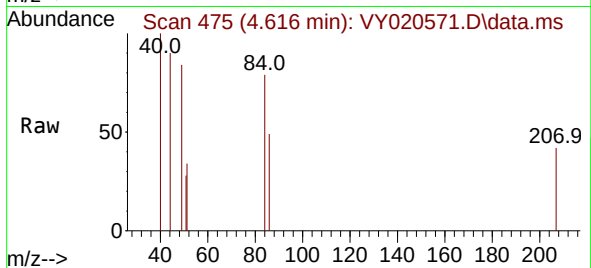
Tgt Ion: 76 Resp: 4145
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9





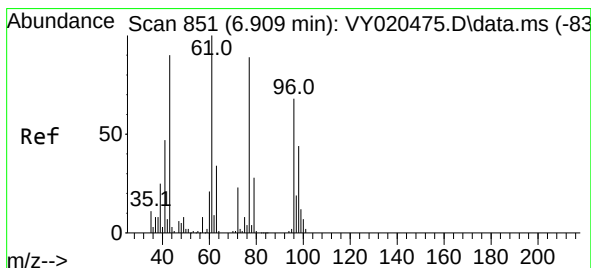
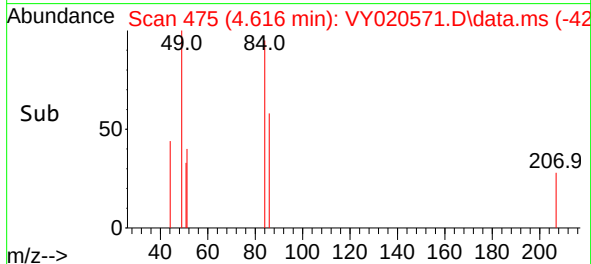
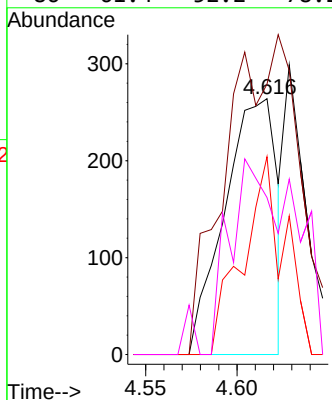
#20
Methylene Chloride
Concen: 1.483 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY020571.D
Acq: 10 Dec 2024 16:10

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 523

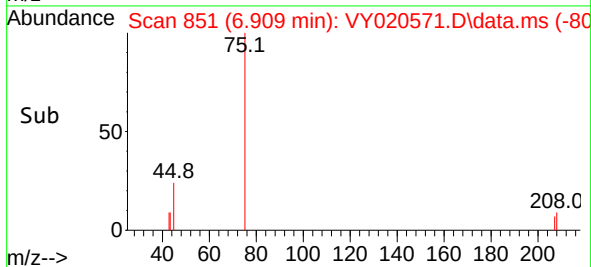
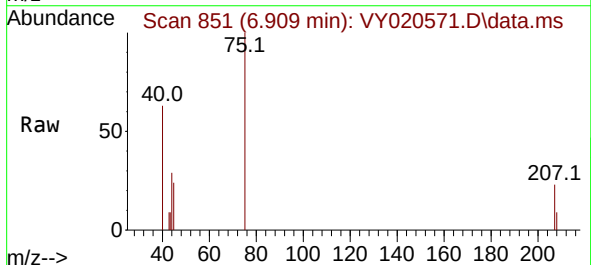
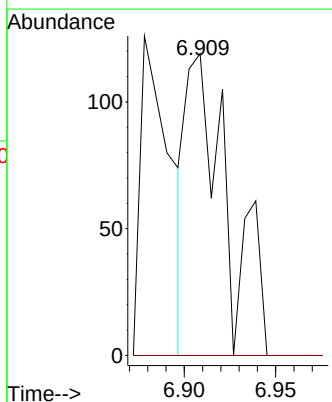
Ion	Ratio	Lower	Upper
84	100		
49	105.7	104.7	157.1
51	77.3	33.4	50.0#
86	61.4	52.2	78.2

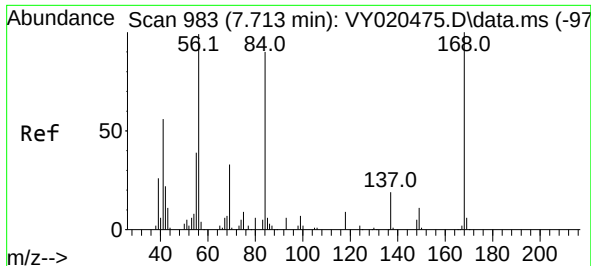


#25
2-Butanone
Concen: 1.796 ug/l
RT: 6.909 min Scan# 851
Delta R.T. 0.000 min
Lab File: VY020571.D
Acq: 10 Dec 2024 16:10

Tgt Ion: 43 Resp: 188

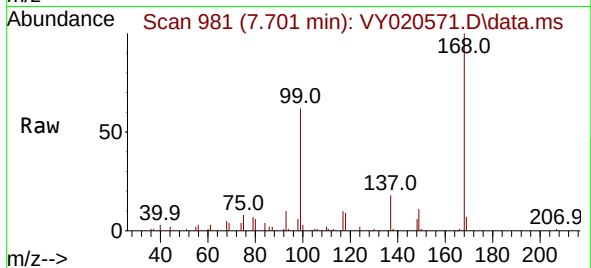
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.4	30.6#



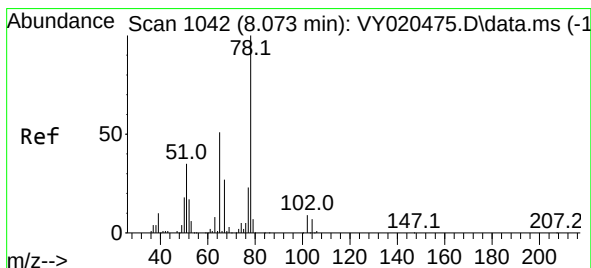
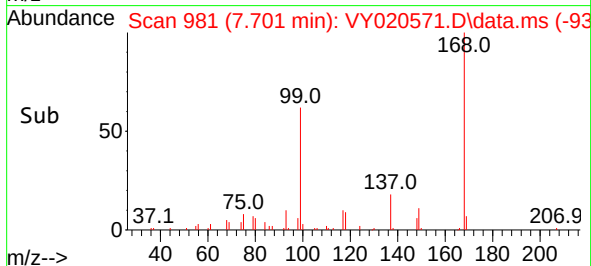
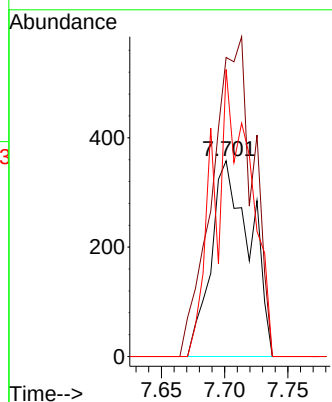


#31
Cyclohexane
Concen: 1.168 ug/l
RT: 7.701 min Scan# 983
Delta R.T. -0.012 min
Lab File: VY020571.D
Acq: 10 Dec 2024 16:10

Instrument :
MSVOA_Y
ClientSampleId :

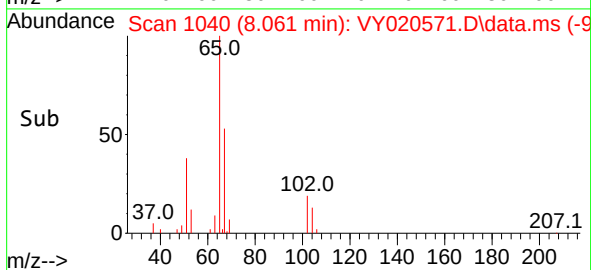
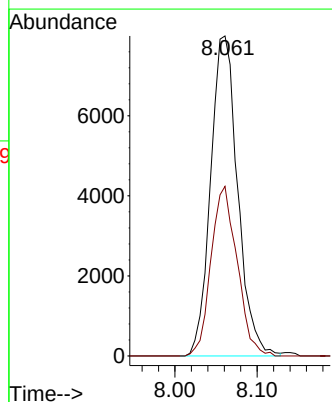
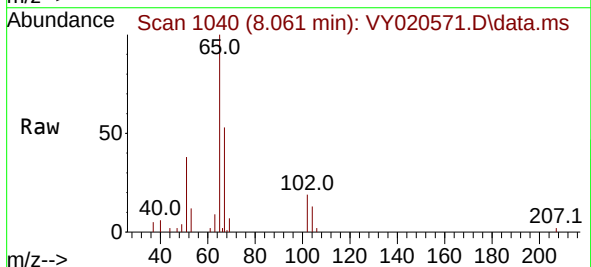


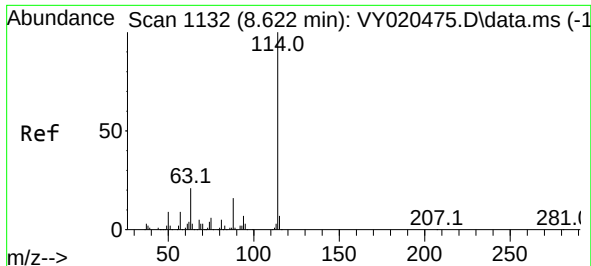
Tgt Ion: 56 Resp: 767
Ion Ratio Lower Upper
56 100
69 152.8 25.3 37.9#
84 146.6 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 54.953 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VY020571.D
Acq: 10 Dec 2024 16:10

Tgt Ion: 65 Resp: 18319
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.012 min

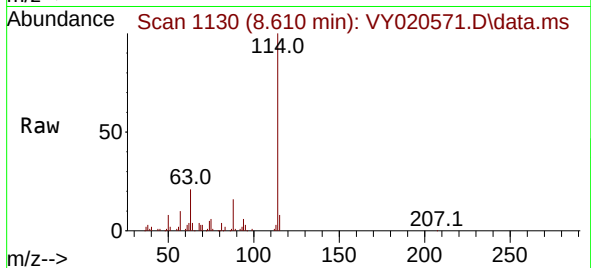
Lab File: VY020571.D

Acq: 10 Dec 2024 16:10

Instrument :

MSVOA_Y

ClientSampleId :



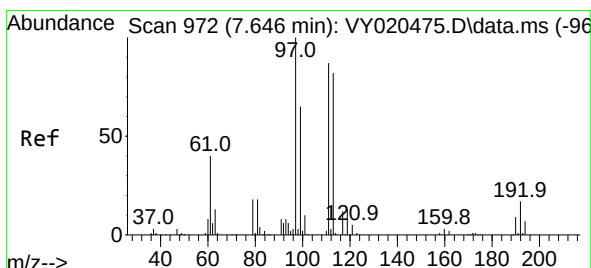
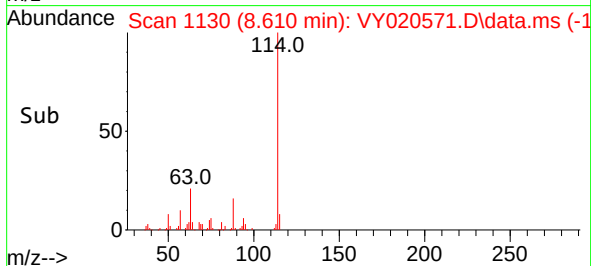
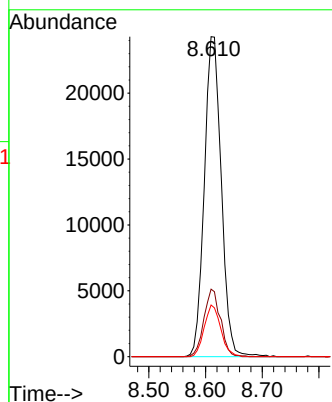
Tgt Ion:114 Resp: 50464

Ion Ratio Lower Upper

114 100

63 21.1 0.0 44.8

88 16.2 0.0 32.0



#35

Dibromofluoromethane

Concen: 52.198 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.012 min

Lab File: VY020571.D

Acq: 10 Dec 2024 16:10

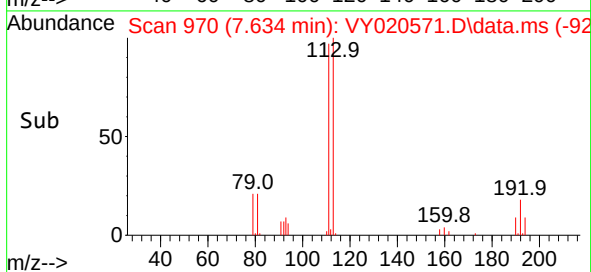
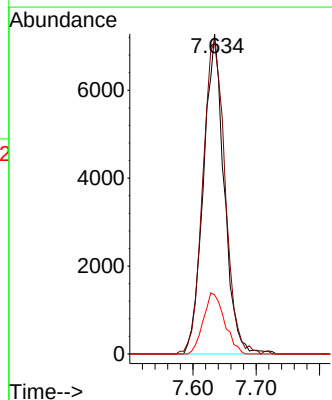
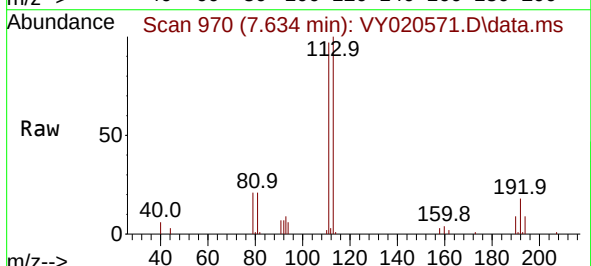
Tgt Ion:113 Resp: 16583

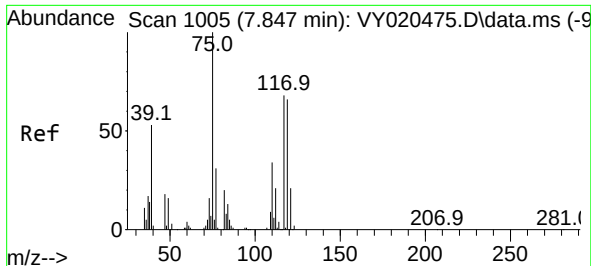
Ion Ratio Lower Upper

113 100

111 105.4 81.4 122.0

192 19.6 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.794 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.134 min

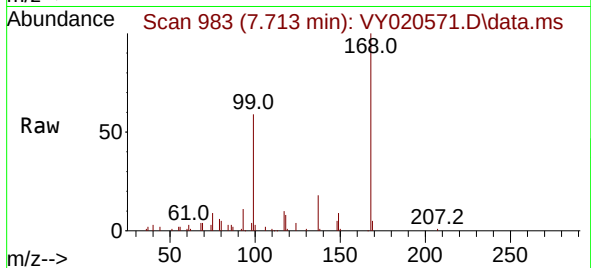
Lab File: VY020571.D

Acq: 10 Dec 2024 16:10

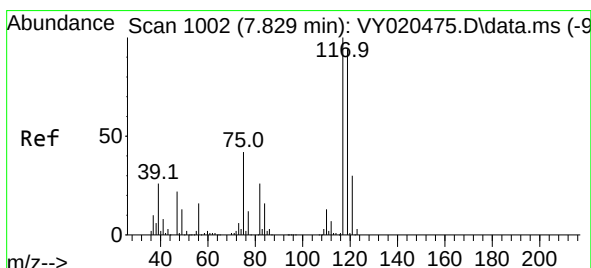
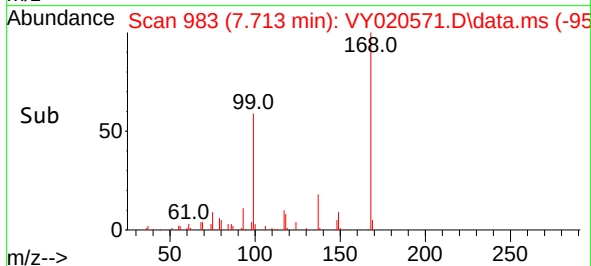
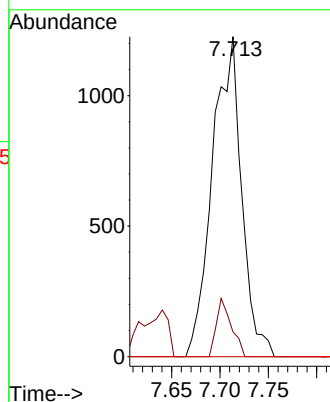
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 2572
Ion Ratio	Lower Upper
75	100
110	9.3 16.7 50.0#
77	0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.252 ug/l

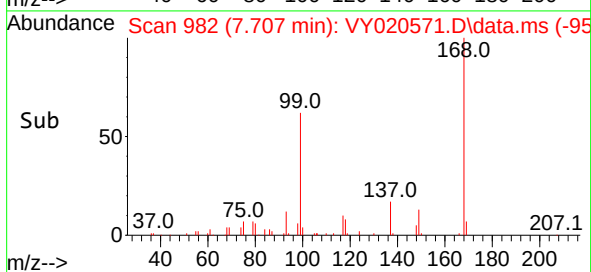
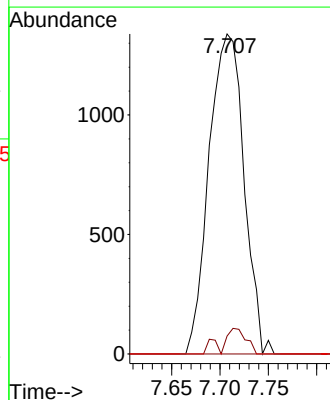
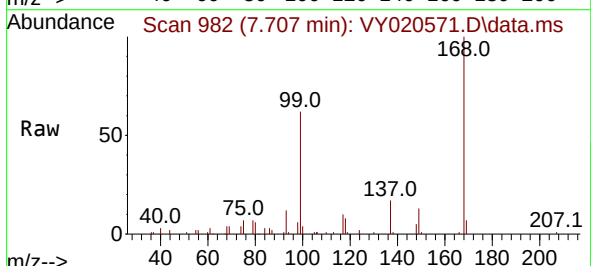
RT: 7.707 min Scan# 982

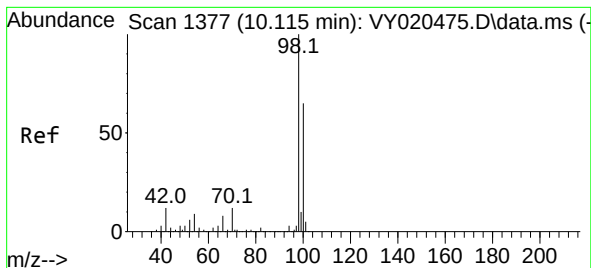
Delta R.T. -0.122 min

Lab File: VY020571.D

Acq: 10 Dec 2024 16:10

Tgt Ion: 117	Resp: 3363
Ion Ratio	Lower Upper
117	100
119	5.6 77.8 116.6#
121	0.0 24.6 37.0#





#50

Toluene-d8

Concen: 43.740 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.012 min

Lab File: VY020571.D

Acq: 10 Dec 2024 16:10

Instrument :

MSVOA_Y

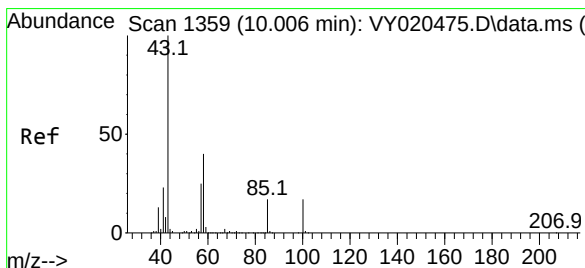
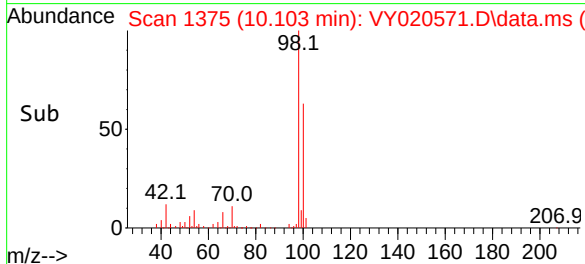
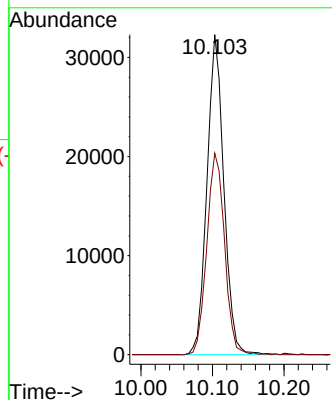
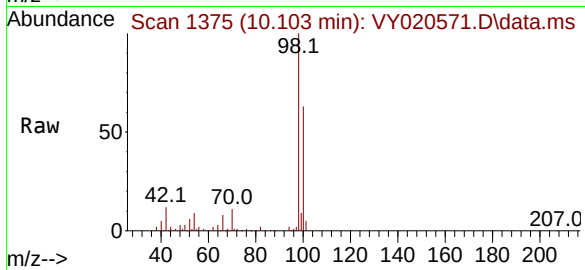
ClientSampleId :

Tgt Ion: 98 Resp: 52914

Ion Ratio Lower Upper

98 100

100 66.3 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 1.373 ug/l

RT: 10.000 min Scan# 1358

Delta R.T. -0.006 min

Lab File: VY020571.D

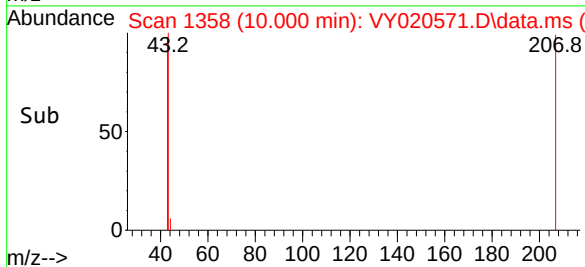
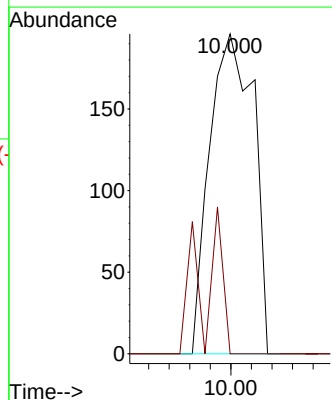
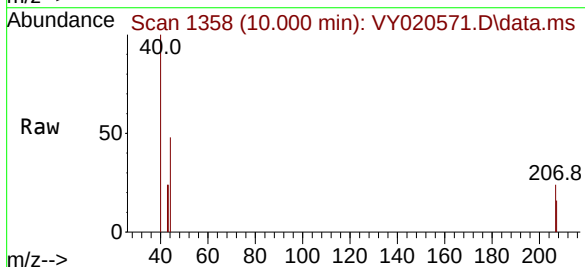
Acq: 10 Dec 2024 16:10

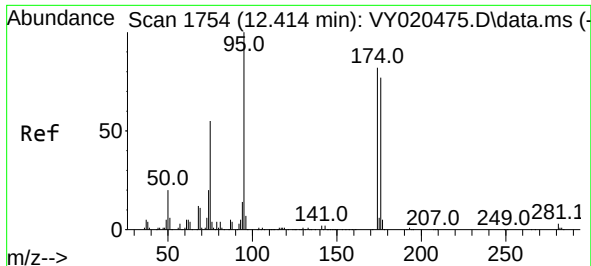
Tgt Ion: 43 Resp: 291

Ion Ratio Lower Upper

43 100

58 21.6 30.9 46.3#

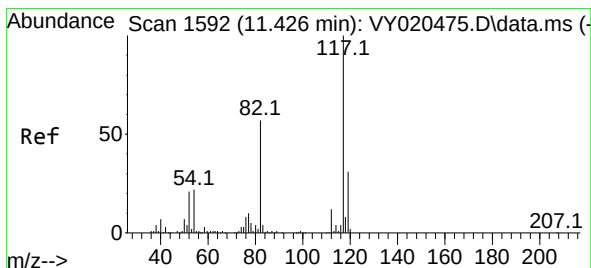
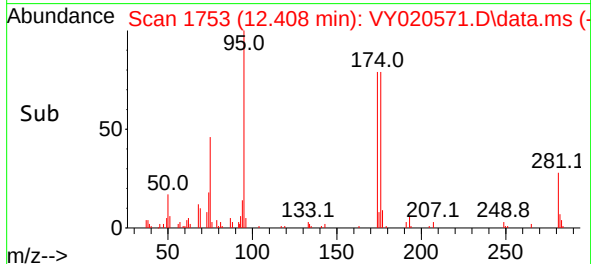
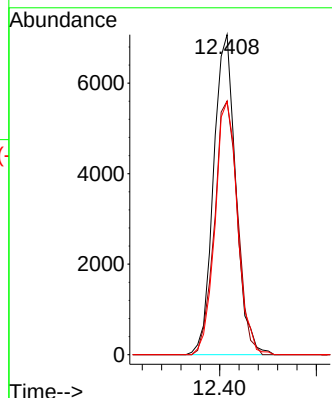
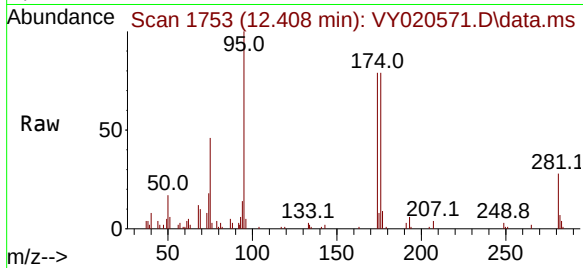




#62
4-Bromofluorobenzene
Concen: 26.710 ug/l
RT: 12.408 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020571.D
Acq: 10 Dec 2024 16:10

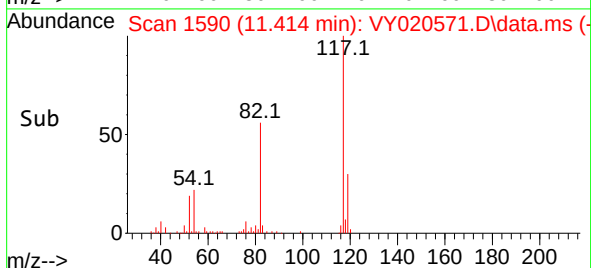
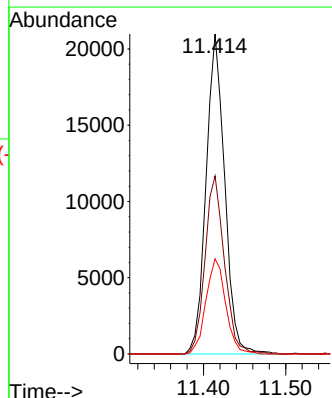
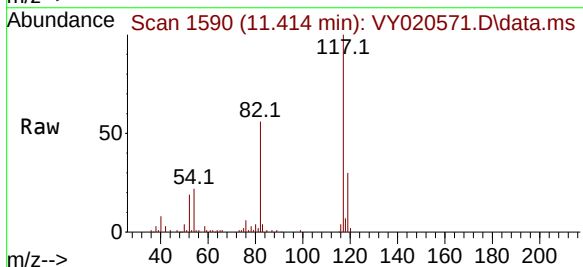
Instrument :
MSVOA_Y
ClientSampleId :

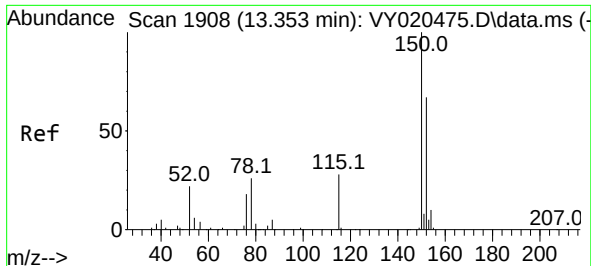
Tgt Ion: 95 Resp: 11301
Ion Ratio Lower Upper
95 100
174 81.7 0.0 156.8
176 79.9 0.0 152.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.012 min
Lab File: VY020571.D
Acq: 10 Dec 2024 16:10

Tgt Ion: 117 Resp: 32975
Ion Ratio Lower Upper
117 100
82 55.6 48.2 72.4
119 29.8 25.8 38.8

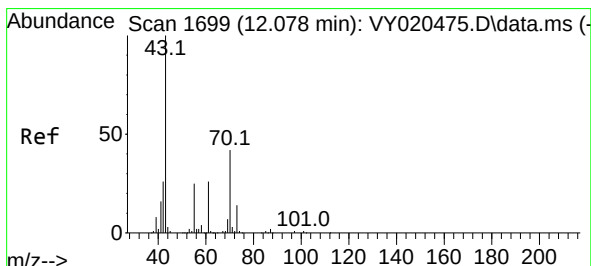
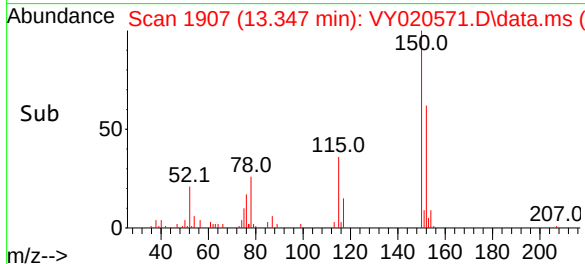
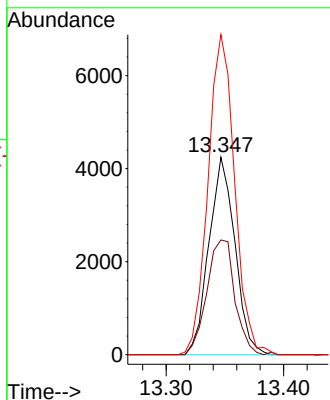
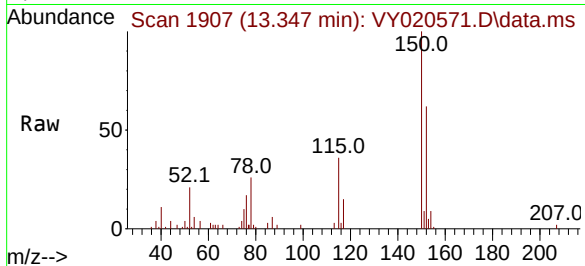




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1908
Delta R.T. -0.006 min
Lab File: VY020571.D
Acq: 10 Dec 2024 16:10

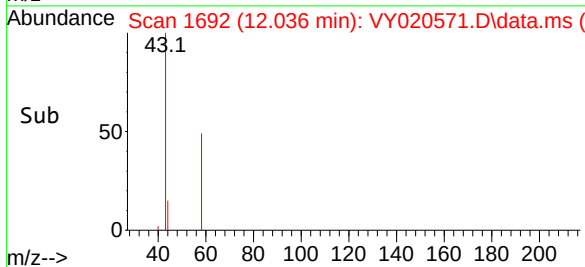
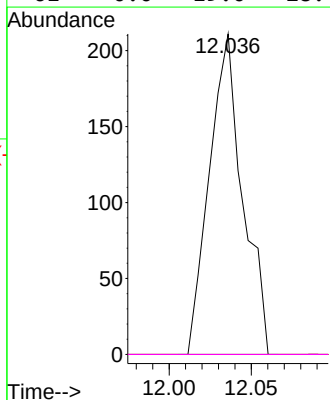
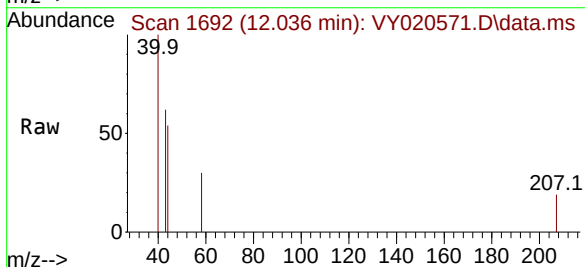
Instrument :
MSVOA_Y
ClientSampleId :

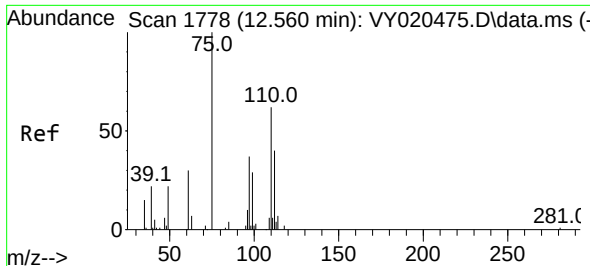
Tgt Ion:152 Resp: 6538
Ion Ratio Lower Upper
152 100
115 62.7 30.0 90.0
150 165.7 0.0 348.2



#74
N-ethyl acetate
Concen: 2.395 ug/l
RT: 12.036 min Scan# 1692
Delta R.T. -0.043 min
Lab File: VY020571.D
Acq: 10 Dec 2024 16:10

Tgt Ion: 43 Resp: 297
Ion Ratio Lower Upper
43 100
70 0.0 32.9 49.3#
55 0.0 19.3 28.9#
61 0.0 19.0 28.4#

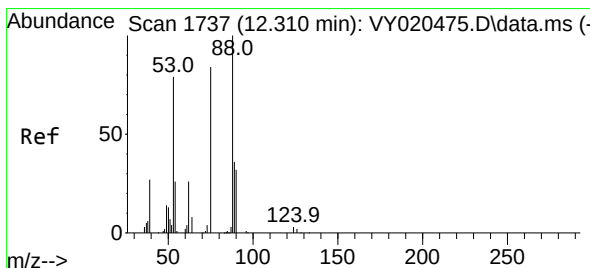
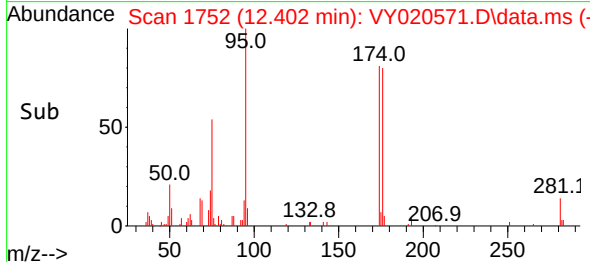
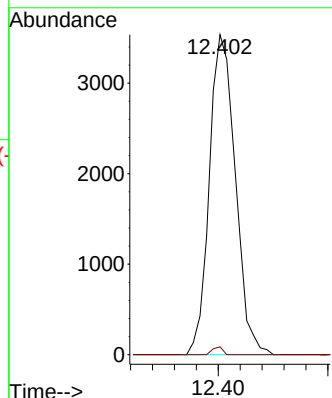
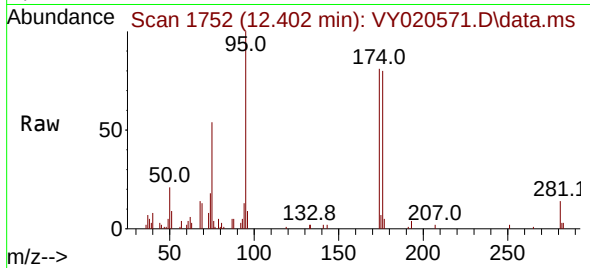




#76
1,2,3-Trichloropropane
Concen: 87.385 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY020571.D
Acq: 10 Dec 2024 16:10

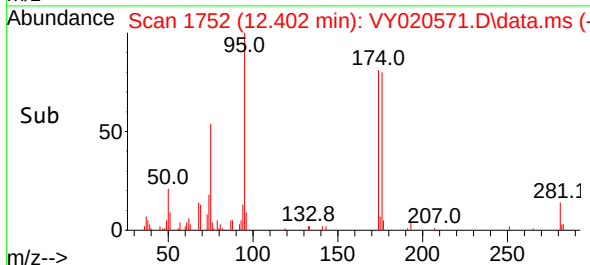
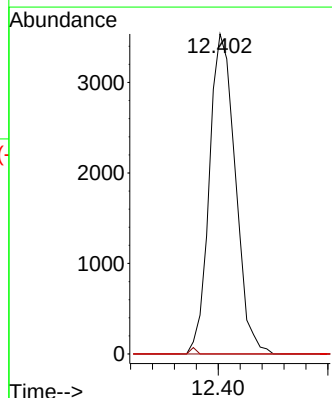
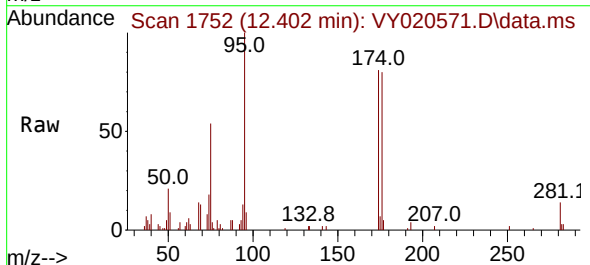
Instrument :
MSVOA_Y
ClientSampleId :

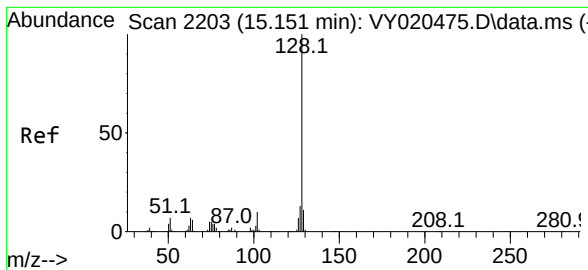
Tgt Ion: 75 Resp: 5820
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 179.302 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.091 min
Lab File: VY020571.D
Acq: 10 Dec 2024 16:10

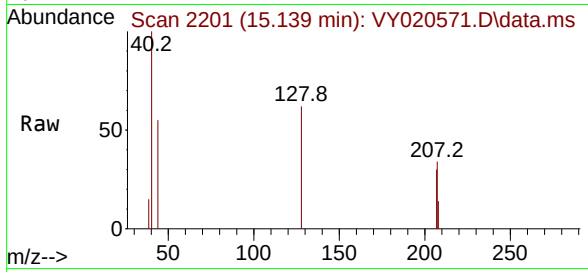
Tgt Ion: 75 Resp: 5820
Ion Ratio Lower Upper
75 100
53 0.0 81.1 121.7#
89 0.0 35.1 52.7#





#95
 Naphthalene
 Concen: 1.877 ug/l
 RT: 15.139 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VY020571.D
 Acq: 10 Dec 2024 16:10

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:128 Resp: 366
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.5 15.7#
 129 0.0 8.6 13.0#

