

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121124\
 Data File : VY020584.D
 Acq On : 11 Dec 2024 13:37
 Operator : SY/MD
 Sample : P5219-03
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 11 22:13:03 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

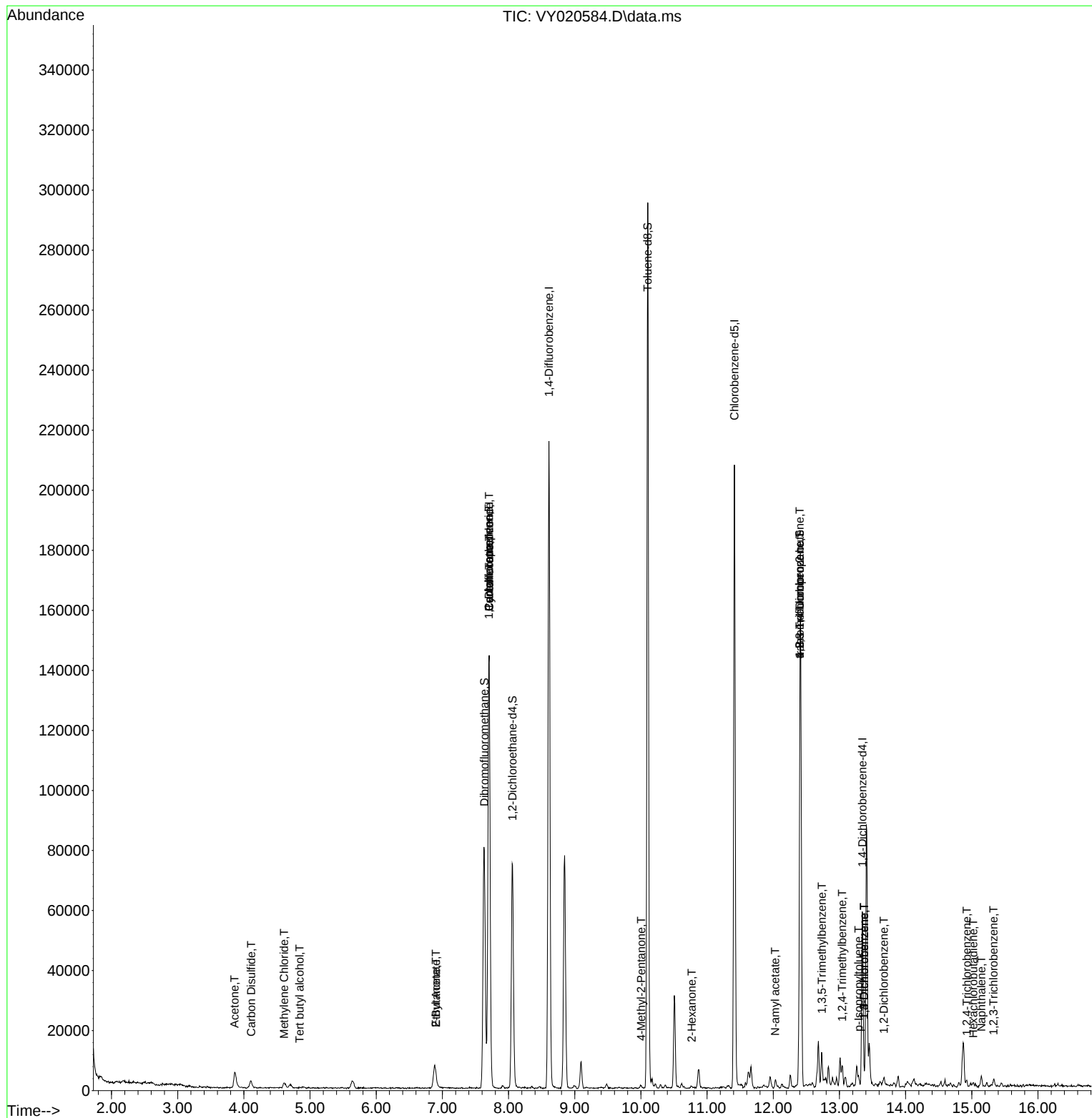
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	109743	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	178393	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	106734	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	14371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	62205	55.734	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.460%	
35) Dibromofluoromethane	7.634	113	58288	51.901	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.800%	
50) Toluene-d8	10.103	98	189689	44.357	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 88.720%	
62) 4-Bromofluorobenzene	12.401	95	32889	21.989	ug/l	-0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	= 43.980%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.842	59	438	6.050	ug/l #	73
16) Acetone	3.860	43	9339	33.652	ug/l	90
17) Carbon Disulfide	4.110	76	4277	1.312	ug/l	98
20) Methylene Chloride	4.610	84	1309	1.109	ug/l	87
25) 2-Butanone	6.902	43	830	2.369	ug/l #	50
31) Cyclohexane	7.707	56	2556	1.162	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	8970	4.730	ug/l #	53
37) Ethyl Acetate	6.902	43	830	1.105	ug/l #	70
38) Carbon Tetrachloride	7.707	117	11588	5.119	ug/l #	14
51) 4-Methyl-2-Pentanone	10.005	43	802	1.070	ug/l	94
59) 2-Hexanone	10.767	43	573	1.060	ug/l	75
74) N-amyl acetate	12.029	43	1281	4.700	ug/l #	51
76) 1,2,3-Trichloropropane	12.401	75	17640	120.496	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.737	105	2095	1.880	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.401	75	17640	247.239	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.041	105	3910	3.610	ug/l	97
86) p-Isopropyltoluene	13.291	119	1797	1.506	ug/l #	71
87) 1,3-Dichlorobenzene	13.371	146	637	1.147	ug/l	92
88) 1,4-Dichlorobenzene	13.371	146	637	1.172	ug/l	91
91) 1,2-Dichlorobenzene	13.669	146	546	1.159	ug/l	81
93) 1,2,4-Trichlorobenzene	14.925	180	705	2.662	ug/l	95
94) Hexachlorobutadiene	15.023	225	240	1.295	ug/l	88
95) Naphthalene	15.145	128	2674	6.240	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	778	3.641	ug/l	85

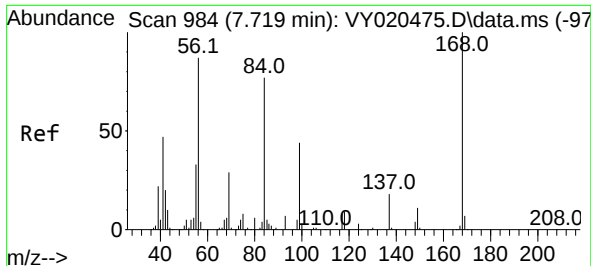
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121124\
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Instrument :
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ClientSampleId :

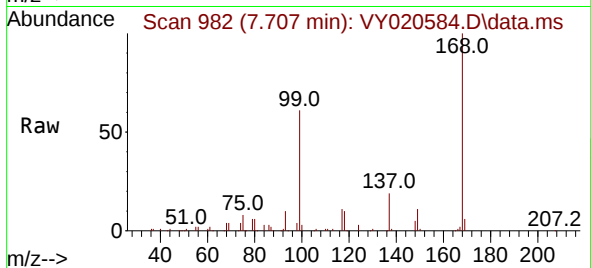
Quant Time: Dec 11 22:13:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration



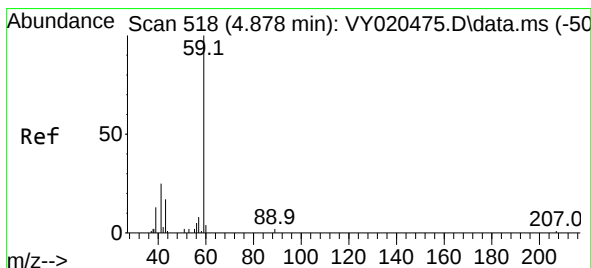
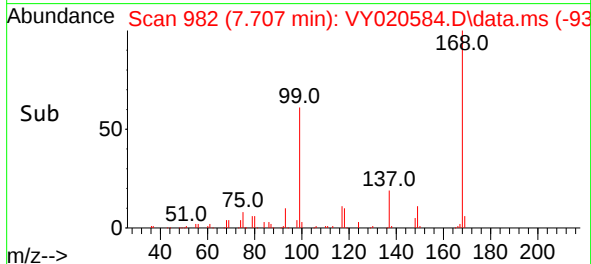
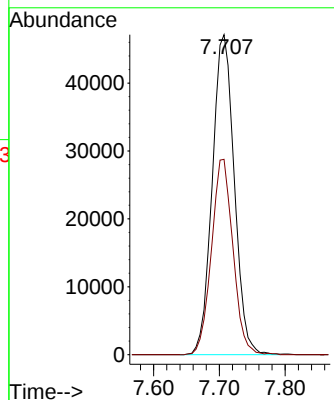


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020584.D
Acq: 11 Dec 2024 13:37

Instrument :
MSVOA_Y
ClientSampleId :

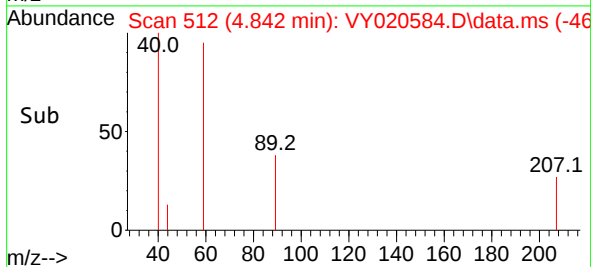
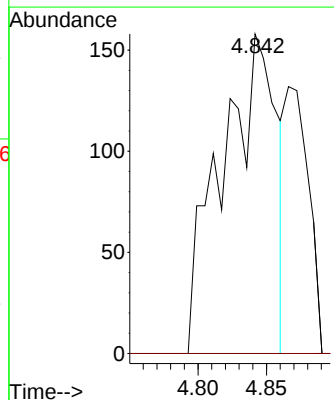
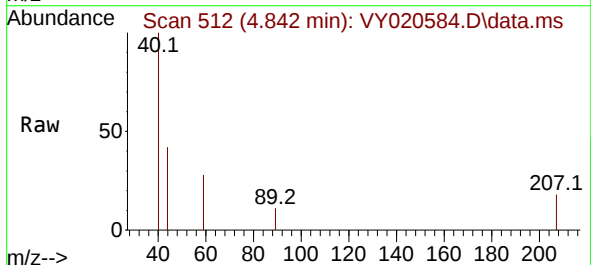


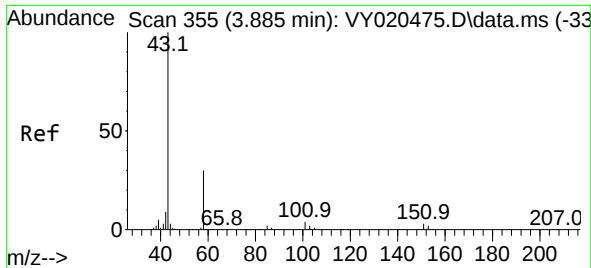
Tgt Ion:168 Resp: 109743
Ion Ratio Lower Upper
168 100
99 61.1 46.6 69.8



#11
Tert butyl alcohol
Concen: 6.050 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.037 min
Lab File: VY020584.D
Acq: 11 Dec 2024 13:37

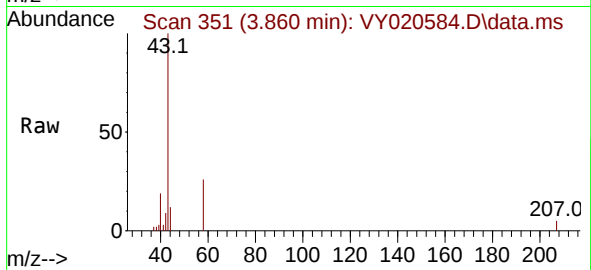
Tgt Ion: 59 Resp: 438
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



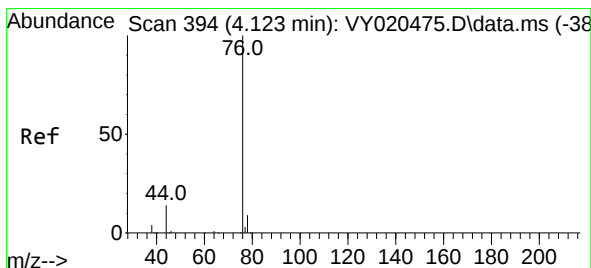
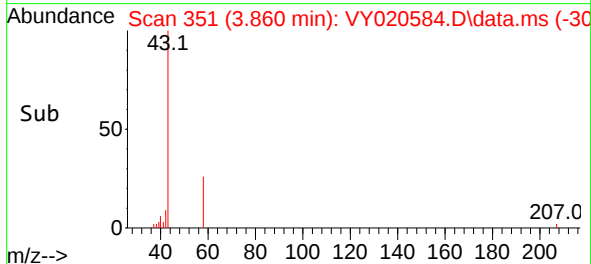
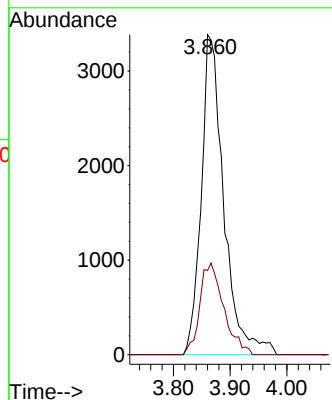


#16
Acetone
Concen: 33.652 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.025 min
Lab File: VY020584.D
Acq: 11 Dec 2024 13:37

Instrument :
MSVOA_Y
ClientSampleId :

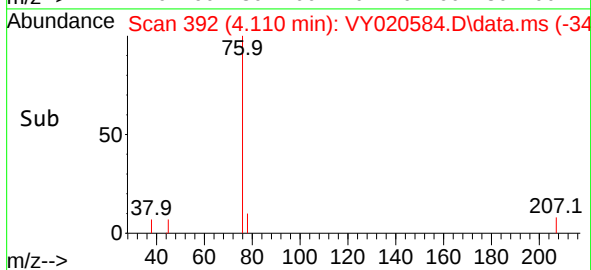
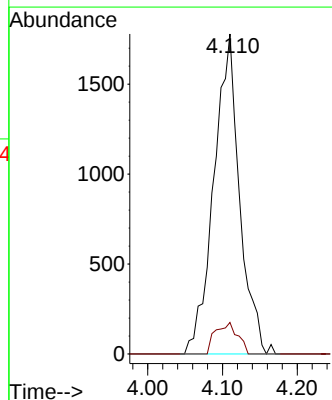
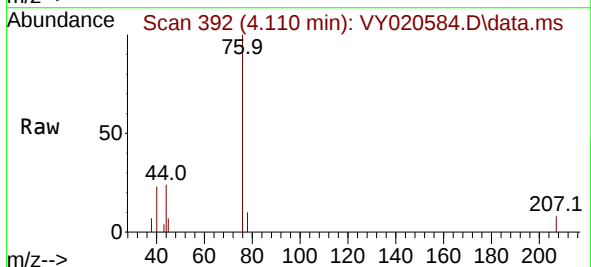


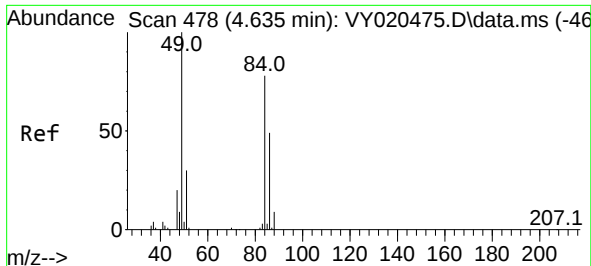
Tgt Ion: 43 Resp: 9339
Ion Ratio Lower Upper
43 100
58 26.3 25.7 38.5



#17
Carbon Disulfide
Concen: 1.312 ug/l
RT: 4.110 min Scan# 392
Delta R.T. -0.012 min
Lab File: VY020584.D
Acq: 11 Dec 2024 13:37

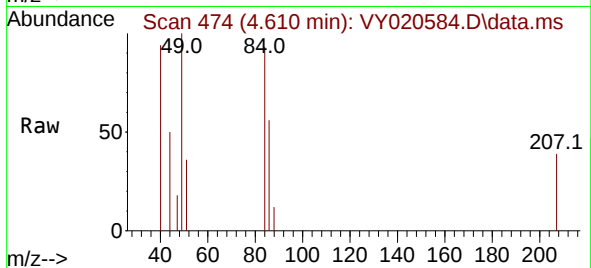
Tgt Ion: 76 Resp: 4277
Ion Ratio Lower Upper
76 100
78 9.9 7.3 10.9





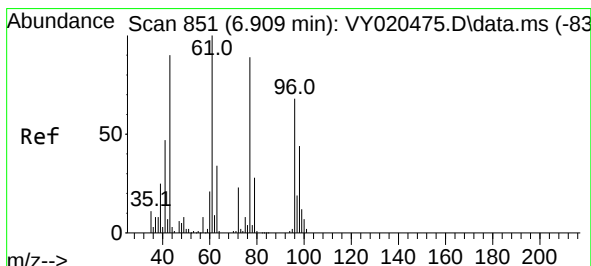
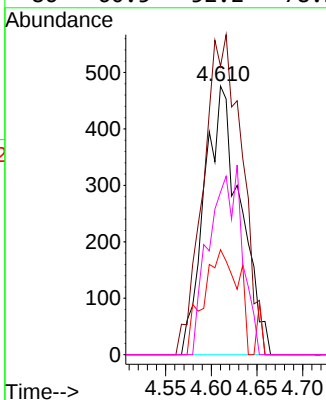
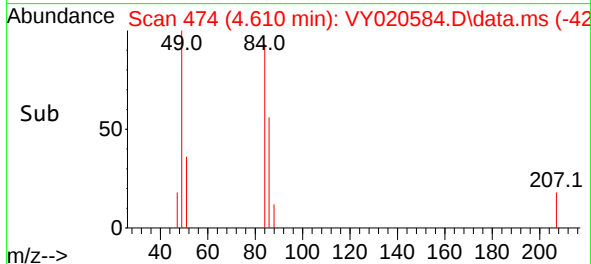
#20
Methylene Chloride
Concen: 1.109 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.025 min
Lab File: VY020584.D
Acq: 11 Dec 2024 13:37

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 1309

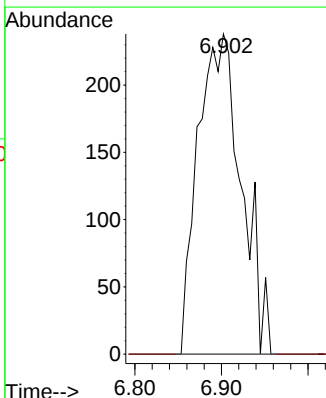
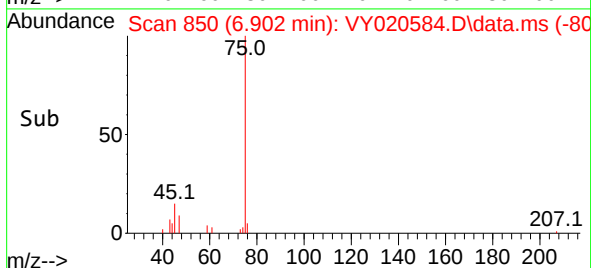
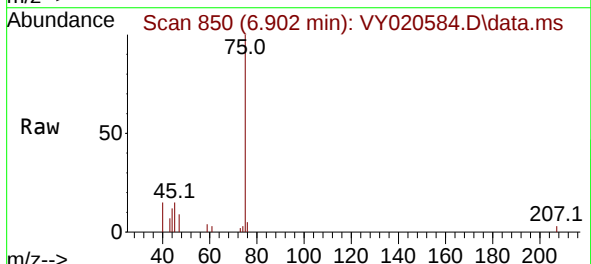
Ion	Ratio	Lower	Upper
84	100		
49	107.4	104.7	157.1
51	39.1	33.4	50.0
86	60.5	52.2	78.2

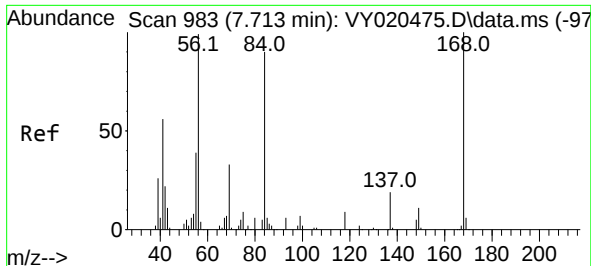


#25
2-Butanone
Concen: 2.369 ug/l
RT: 6.902 min Scan# 850
Delta R.T. -0.006 min
Lab File: VY020584.D
Acq: 11 Dec 2024 13:37

Tgt Ion: 43 Resp: 830

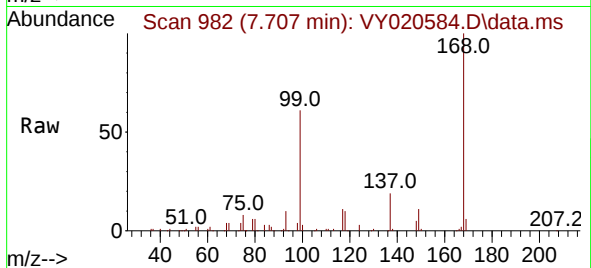
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.4	30.6#



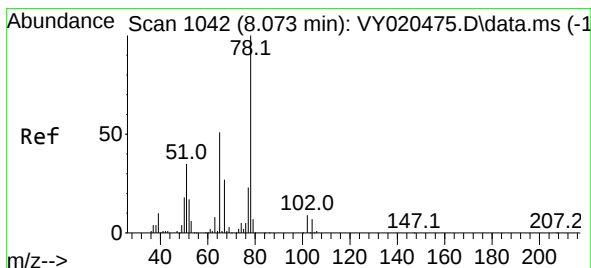
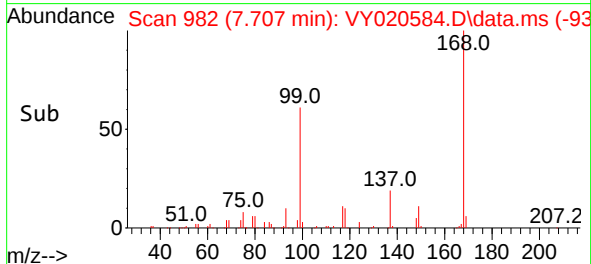
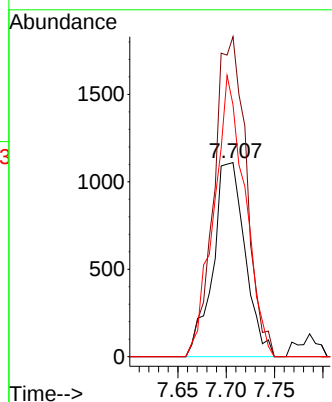


#31
Cyclohexane
Concen: 1.162 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020584.D
Acq: 11 Dec 2024 13:37

Instrument :
MSVOA_Y
ClientSampleId :

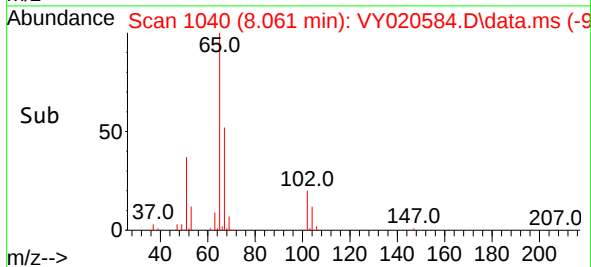
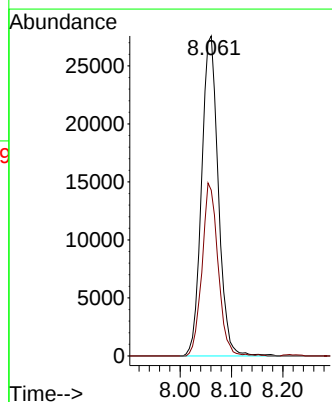
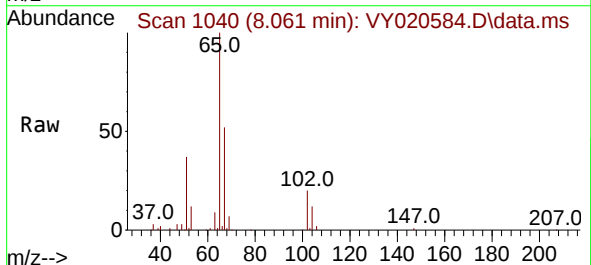


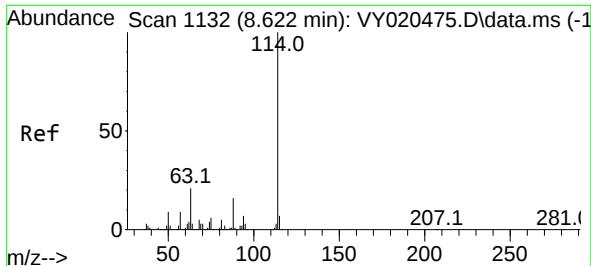
Tgt Ion: 56 Resp: 2556
Ion Ratio Lower Upper
56 100
69 164.9 25.3 37.9#
84 129.7 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 55.734 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VY020584.D
Acq: 11 Dec 2024 13:37

Tgt Ion: 65 Resp: 62205
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1132

Delta R.T. -0.012 min

Lab File: VY020584.D

Acq: 11 Dec 2024 13:37

Instrument :

MSVOA_Y

ClientSampleId :

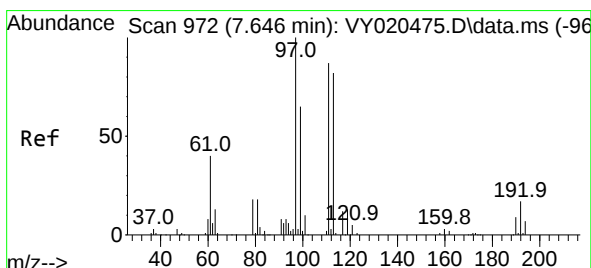
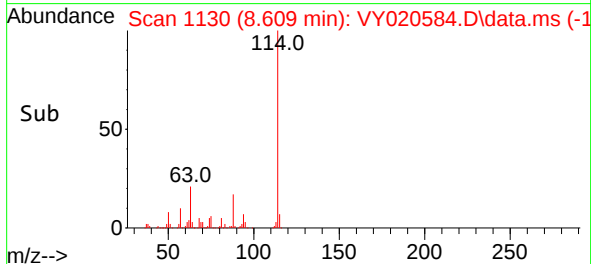
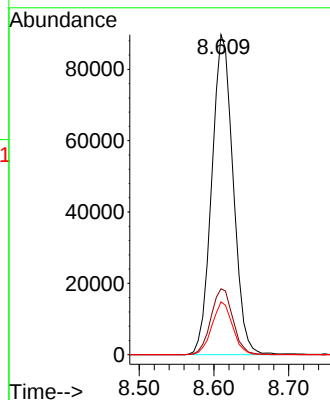
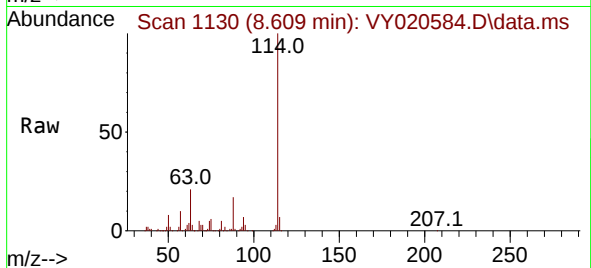
Tgt Ion:114 Resp: 178393

Ion Ratio Lower Upper

114 100

63 20.6 0.0 44.8

88 16.5 0.0 32.0



#35

Dibromofluoromethane

Concen: 51.901 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.012 min

Lab File: VY020584.D

Acq: 11 Dec 2024 13:37

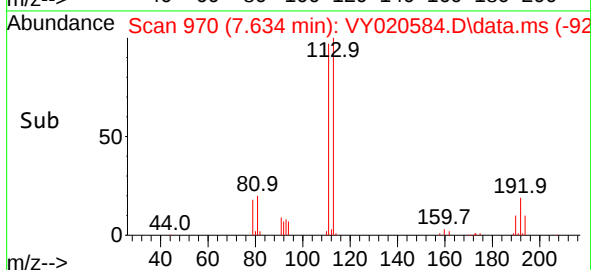
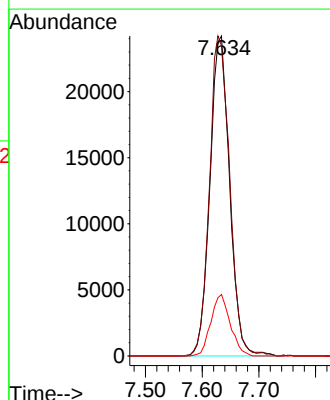
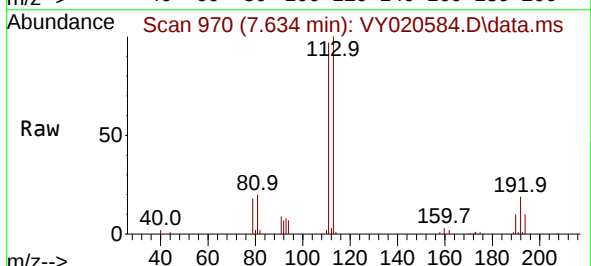
Tgt Ion:113 Resp: 58288

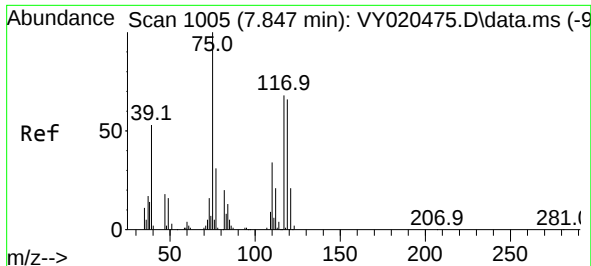
Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

192 19.0 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.730 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.147 min

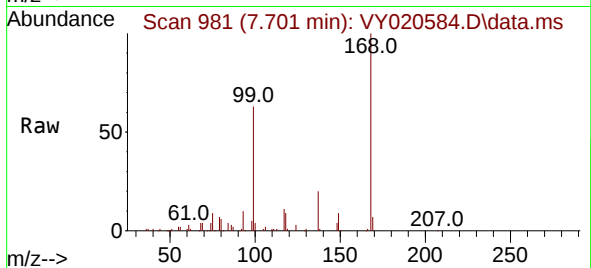
Lab File: VY020584.D

Acq: 11 Dec 2024 13:37

Instrument :

MSVOA_Y

ClientSampleId :



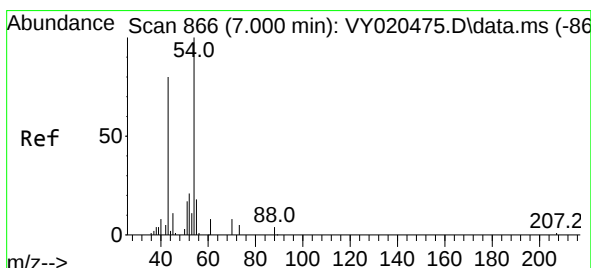
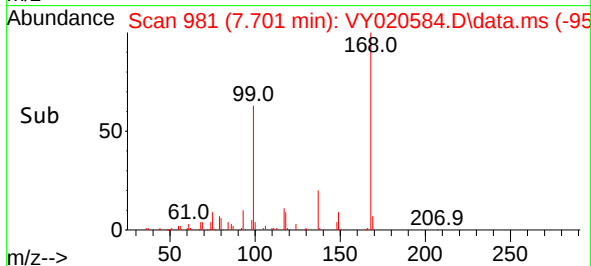
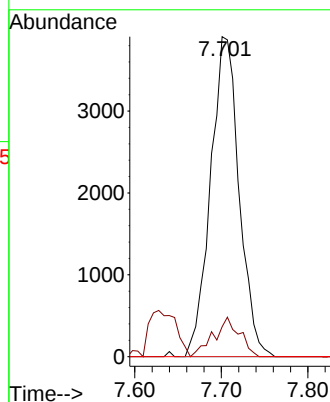
Tgt Ion: 75 Resp: 8970

Ion Ratio Lower Upper

75 100

110 11.2 16.7 50.0#

77 0.0 24.6 36.8#



#37

Ethyl Acetate

Concen: 1.105 ug/l

RT: 6.902 min Scan# 850

Delta R.T. -0.098 min

Lab File: VY020584.D

Acq: 11 Dec 2024 13:37

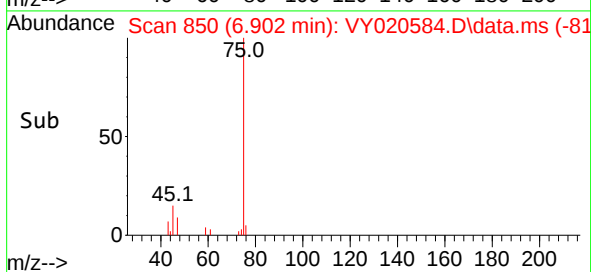
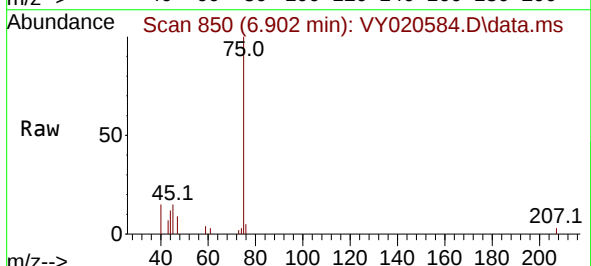
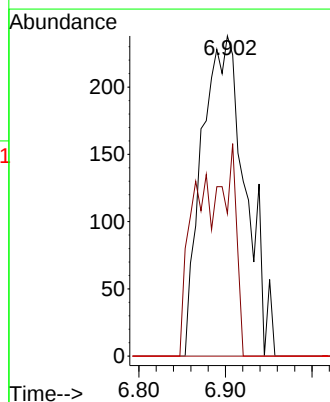
Tgt Ion: 43 Resp: 830

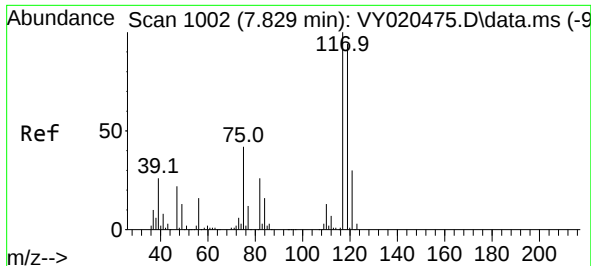
Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

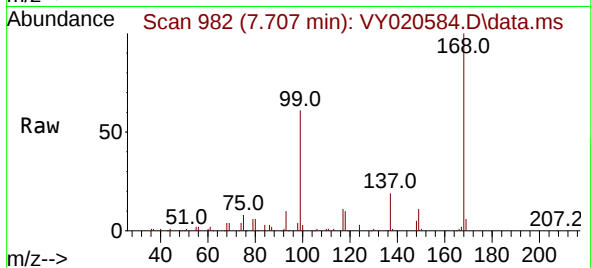
70 0.0 7.3 10.9#



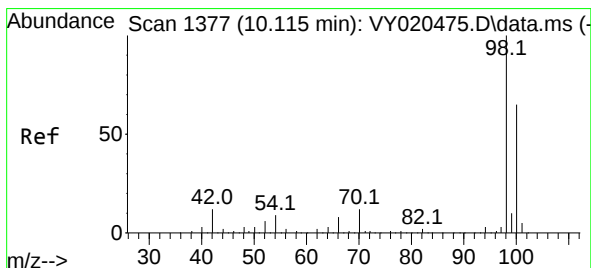
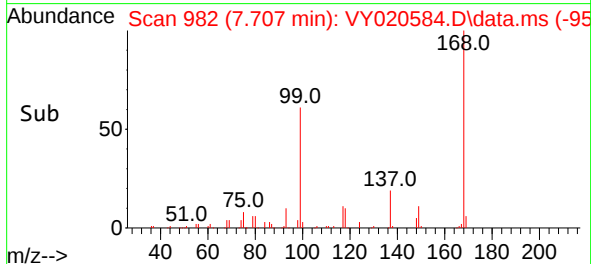
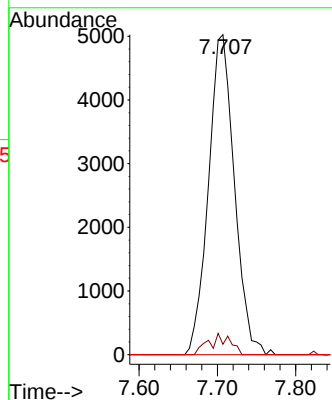


#38
Carbon Tetrachloride
Concen: 5.119 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY020584.D
Acq: 11 Dec 2024 13:37

Instrument :
MSVOA_Y
ClientSampleId :

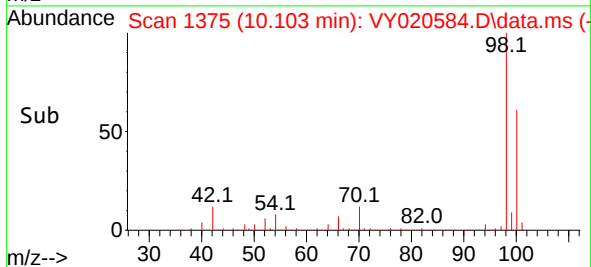
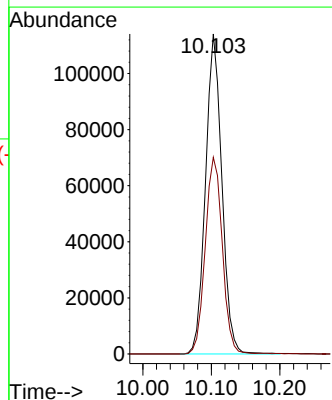
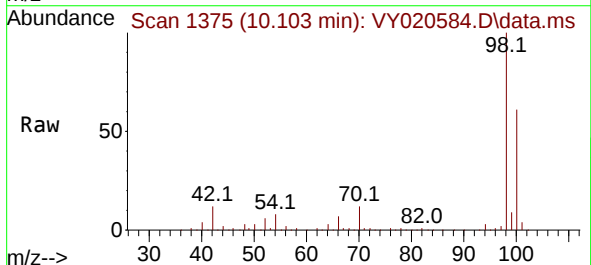


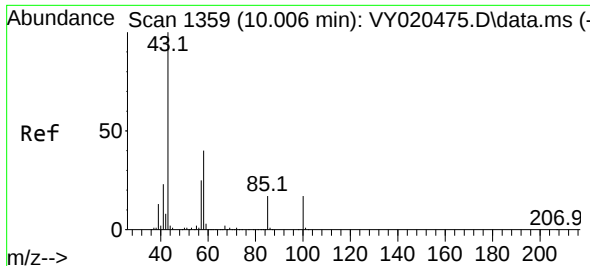
Tgt Ion:117 Resp: 11588
Ion Ratio Lower Upper
117 100
119 3.3 77.8 116.6#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 44.357 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.012 min
Lab File: VY020584.D
Acq: 11 Dec 2024 13:37

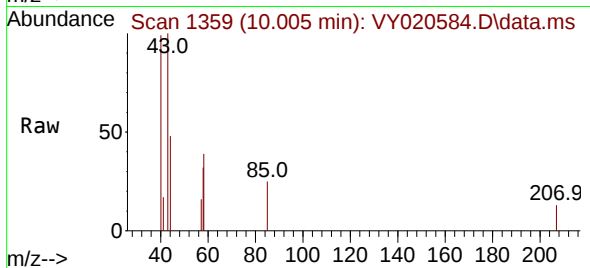
Tgt Ion: 98 Resp: 189689
Ion Ratio Lower Upper
98 100
100 64.0 51.3 76.9



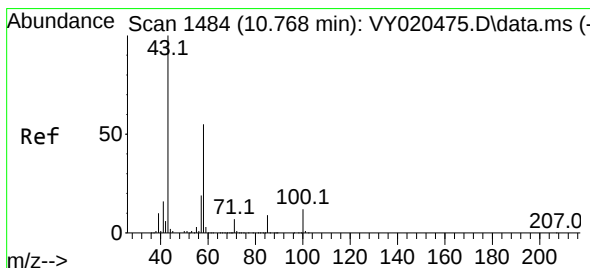
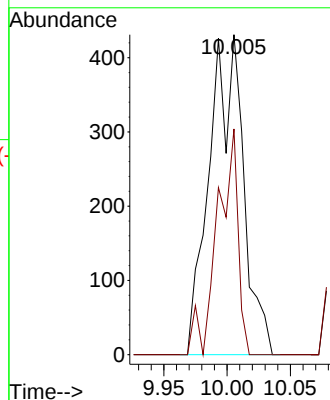
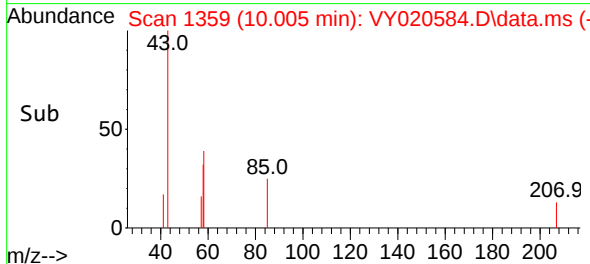


#51
4-Methyl-2-Pentanone
Concen: 1.070 ug/l
RT: 10.005 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VY020584.D
Acq: 11 Dec 2024 13:37

Instrument :
MSVOA_Y
ClientSampleId :

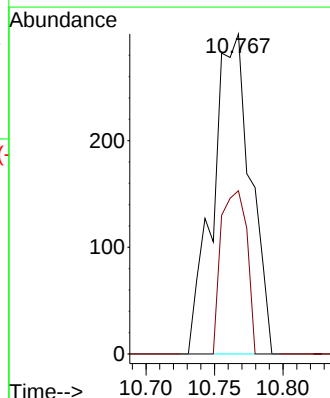
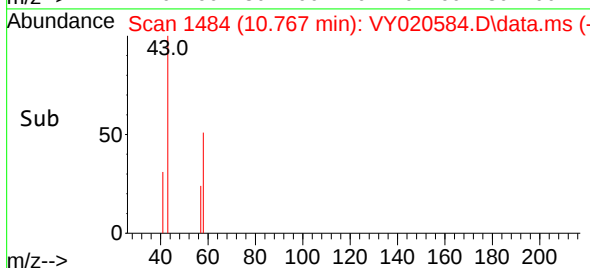
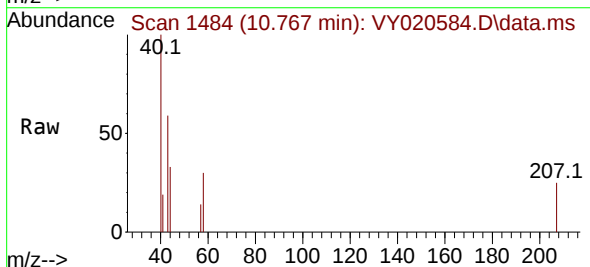


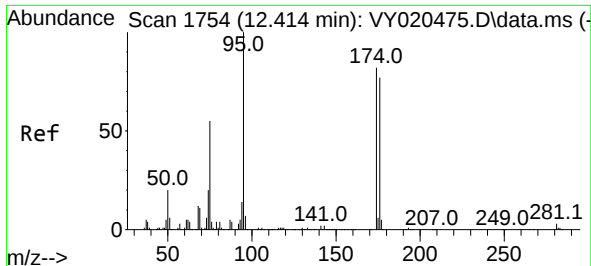
Tgt Ion: 43 Resp: 802
Ion Ratio Lower Upper
43 100
58 42.5 30.9 46.3



#59
2-Hexanone
Concen: 1.060 ug/l
RT: 10.767 min Scan# 1484
Delta R.T. -0.000 min
Lab File: VY020584.D
Acq: 11 Dec 2024 13:37

Tgt Ion: 43 Resp: 573
Ion Ratio Lower Upper
43 100
58 34.9 26.4 79.2

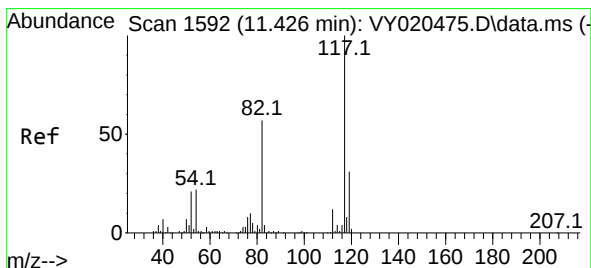
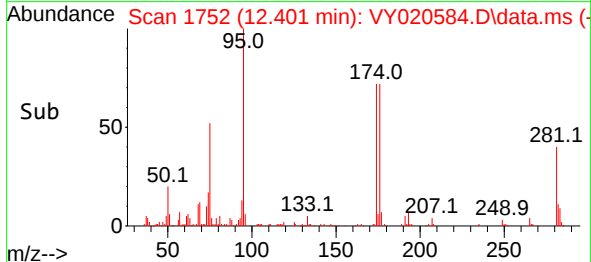
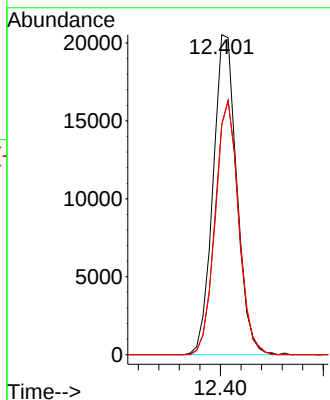
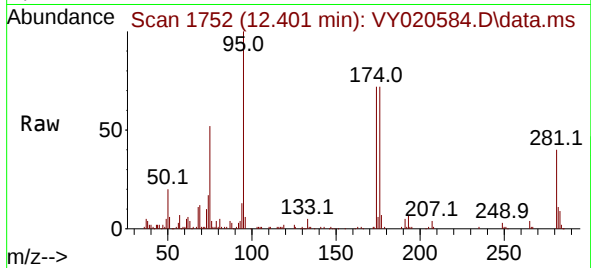




#62
4-Bromofluorobenzene
Concen: 21.989 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY020584.D
Acq: 11 Dec 2024 13:37

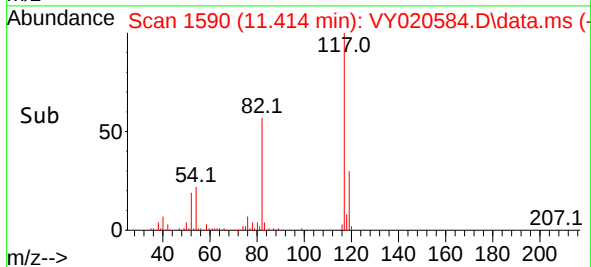
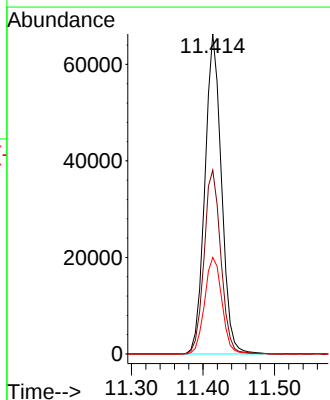
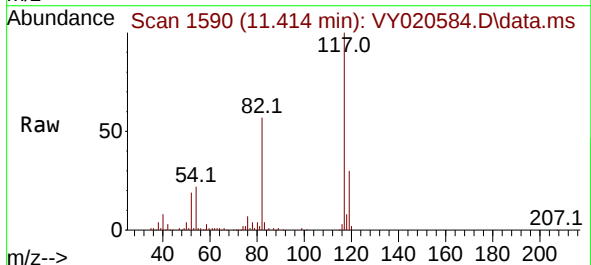
Instrument :
MSVOA_Y
ClientSampleId :

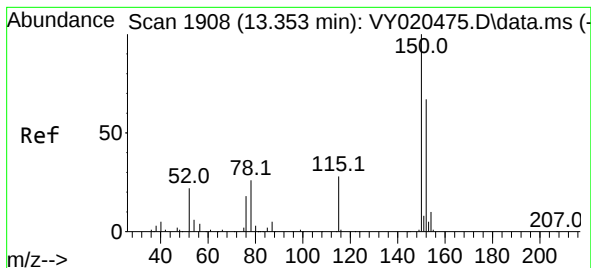
Tgt Ion: 95 Resp: 32889
Ion Ratio Lower Upper
95 100
174 78.0 0.0 156.8
176 78.1 0.0 152.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.012 min
Lab File: VY020584.D
Acq: 11 Dec 2024 13:37

Tgt Ion: 117 Resp: 106734
Ion Ratio Lower Upper
117 100
82 57.4 48.2 72.4
119 30.2 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1908

Delta R.T. -0.006 min

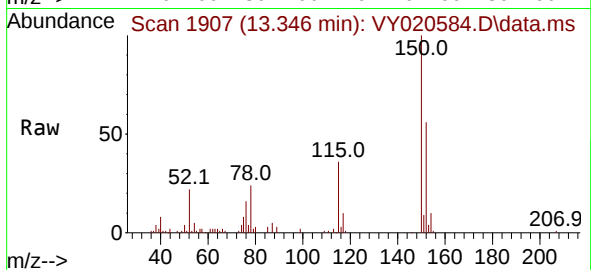
Lab File: VY020584.D

Acq: 11 Dec 2024 13:37

Instrument :

MSVOA_Y

ClientSampleId :



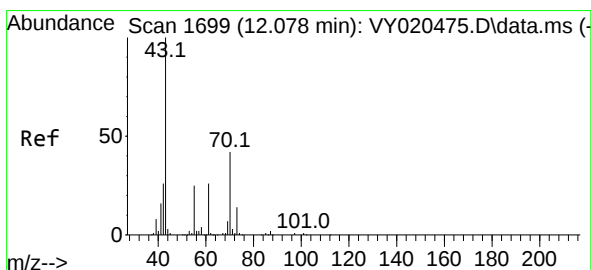
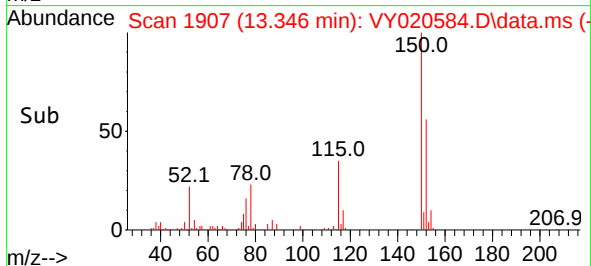
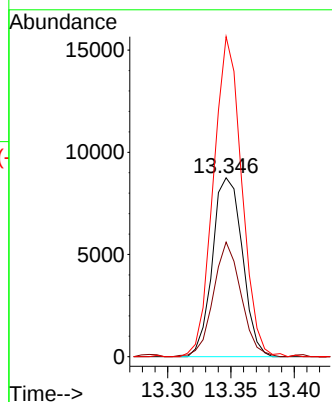
Tgt Ion:152 Resp: 14371

Ion Ratio Lower Upper

152 100

115 59.4 30.0 90.0

150 169.4 0.0 348.2



#74

N-ethyl acetate

Concen: 4.700 ug/l

RT: 12.029 min Scan# 1691

Delta R.T. -0.049 min

Lab File: VY020584.D

Acq: 11 Dec 2024 13:37

Tgt Ion: 43 Resp: 1281

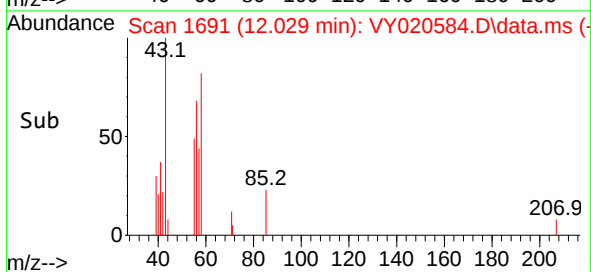
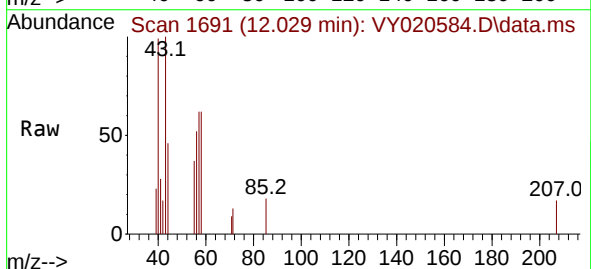
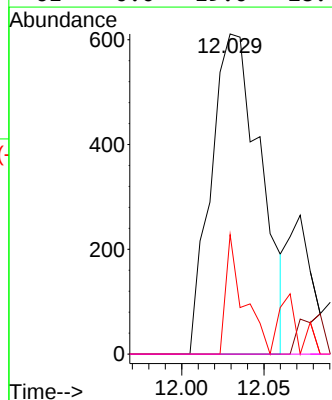
Ion Ratio Lower Upper

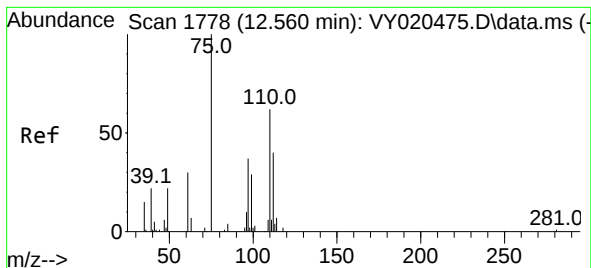
43 100

70 0.0 32.9 49.3#

55 13.5 19.3 28.9#

61 0.0 19.0 28.4#

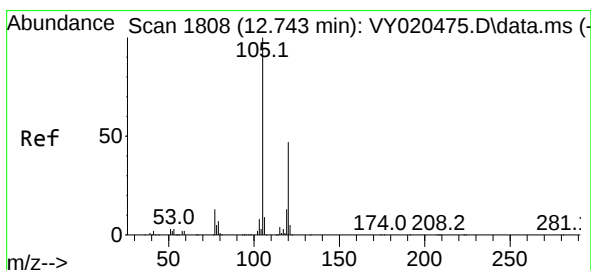
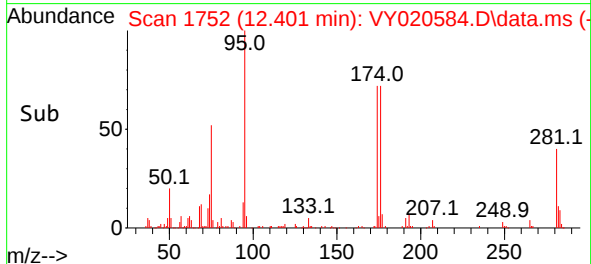
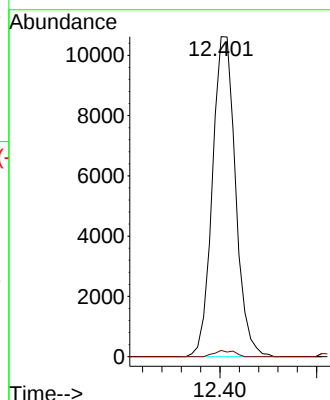
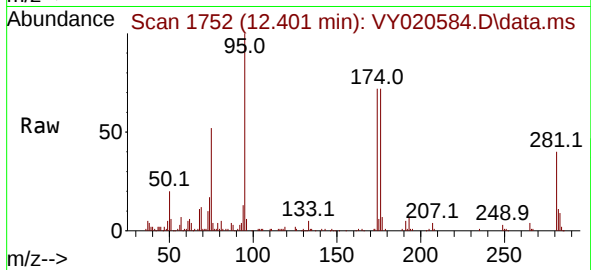




#76
1,2,3-Trichloropropane
Concen: 120.496 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.159 min
Lab File: VY020584.D
Acq: 11 Dec 2024 13:37

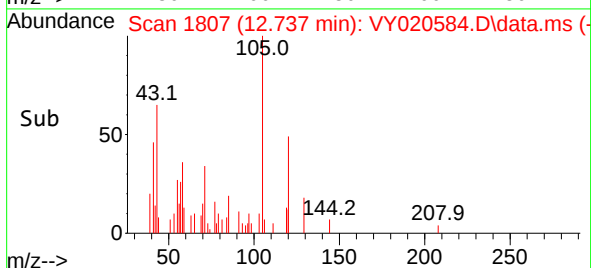
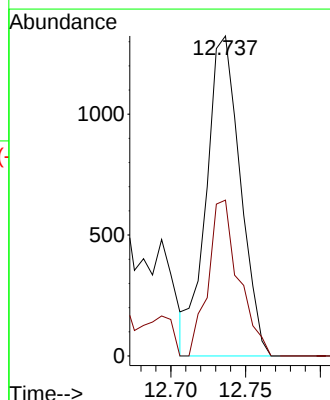
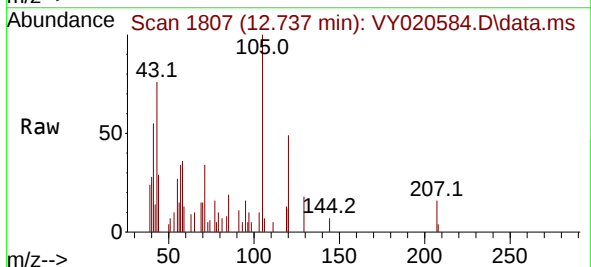
Instrument :
MSVOA_Y
ClientSampleId :

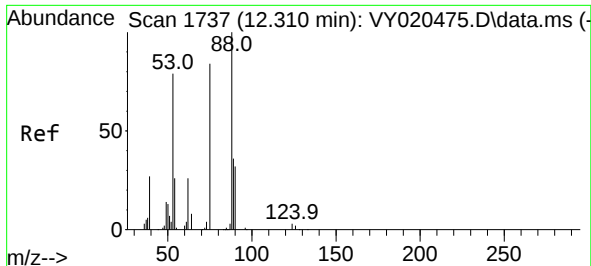
Tgt Ion: 75 Resp: 17640
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.880 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VY020584.D
Acq: 11 Dec 2024 13:37

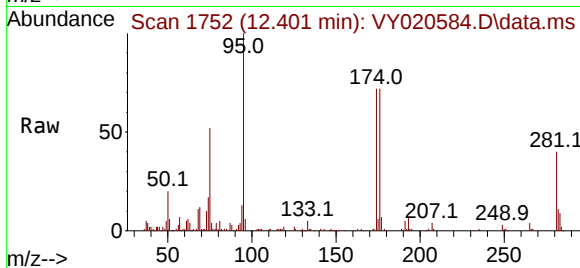
Tgt Ion: 105 Resp: 2095
Ion Ratio Lower Upper
105 100
120 43.9 24.3 72.8



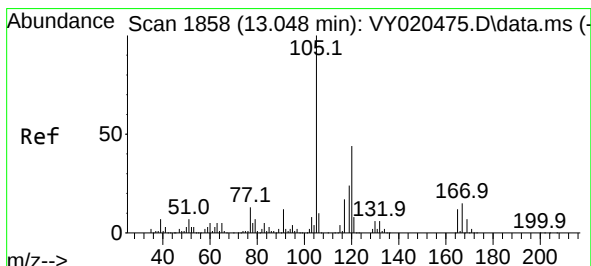
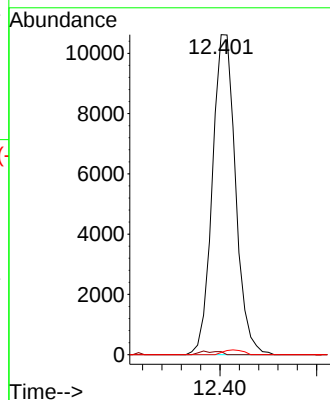
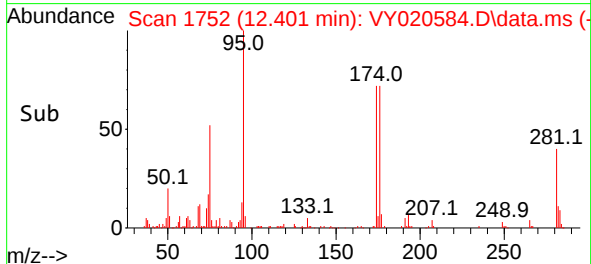


#81
trans-1,4-Dichloro-2-butene
Concen: 247.239 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.091 min
Lab File: VY020584.D
Acq: 11 Dec 2024 13:37

Instrument :
MSVOA_Y
ClientSampleId :

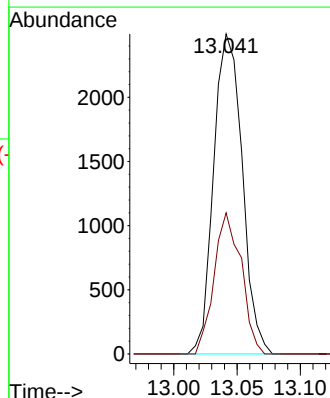
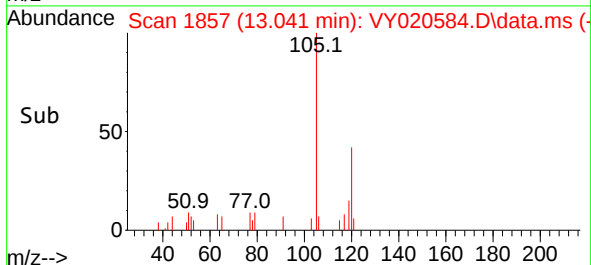
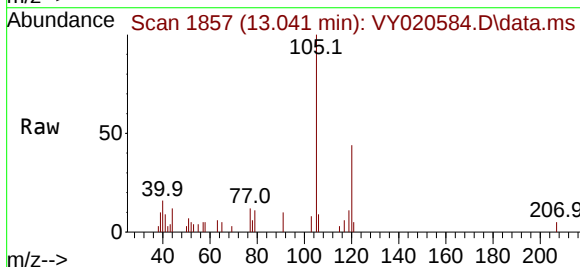


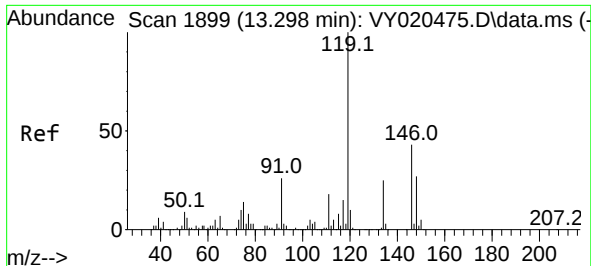
Tgt Ion: 75 Resp: 17640
Ion Ratio Lower Upper
75 100
53 0.0 81.1 121.7#
89 1.3 35.1 52.7#



#84
1,2,4-Trimethylbenzene
Concen: 3.610 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY020584.D
Acq: 11 Dec 2024 13:37

Tgt Ion: 105 Resp: 3910
Ion Ratio Lower Upper
105 100
120 41.9 22.0 66.0





#86

p-Isopropyltoluene

Concen: 1.506 ug/l

RT: 13.291 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020584.D

Acq: 11 Dec 2024 13:37

Instrument :

MSVOA_Y

ClientSampleId :

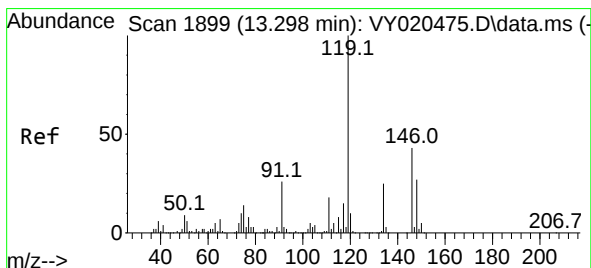
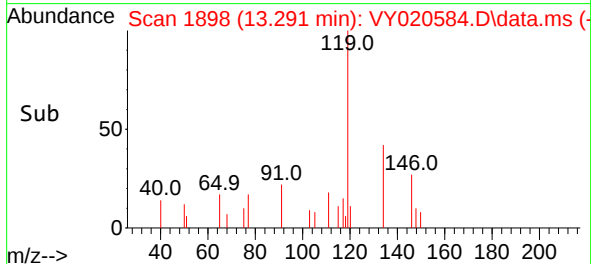
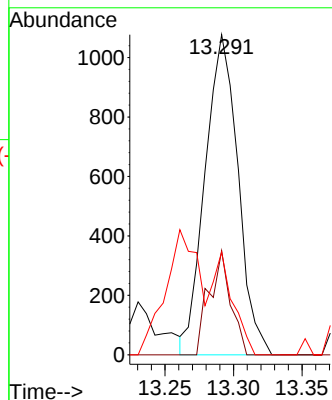
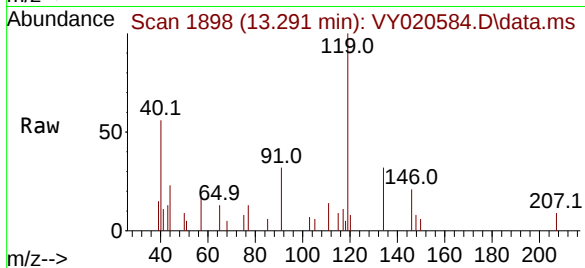
Tgt Ion:119 Resp: 1797

Ion Ratio Lower Upper

119 100

134 21.2 12.8 38.4

91 0.0 12.3 36.8#



#87

1,3-Dichlorobenzene

Concen: 1.147 ug/l

RT: 13.371 min Scan# 1911

Delta R.T. 0.073 min

Lab File: VY020584.D

Acq: 11 Dec 2024 13:37

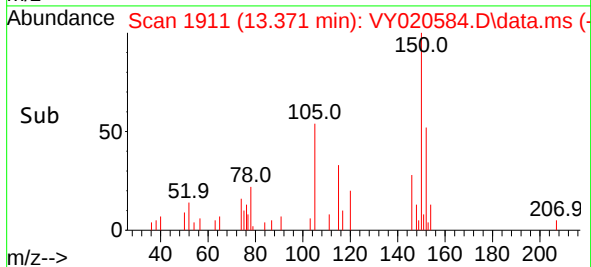
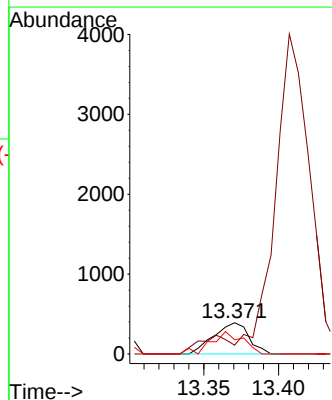
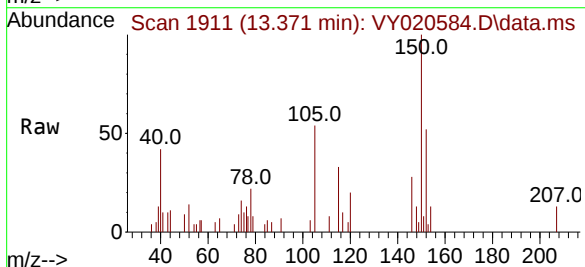
Tgt Ion:146 Resp: 637

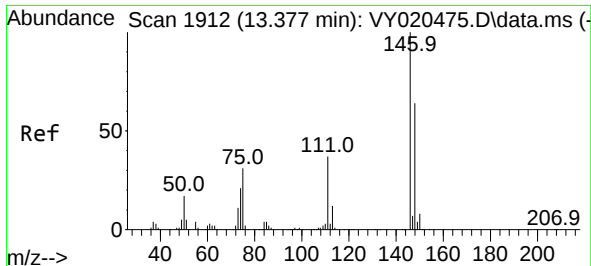
Ion Ratio Lower Upper

146 100

111 53.2 20.5 61.6

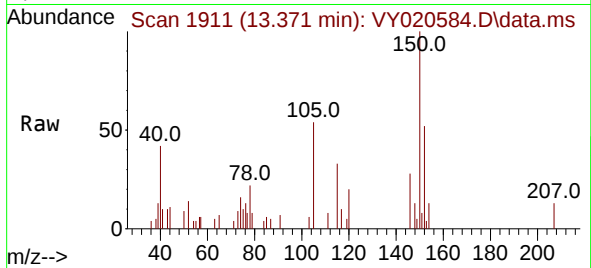
148 64.4 32.1 96.5



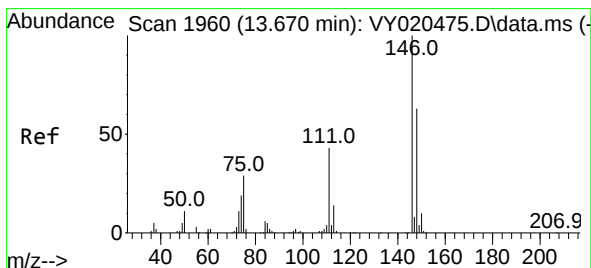
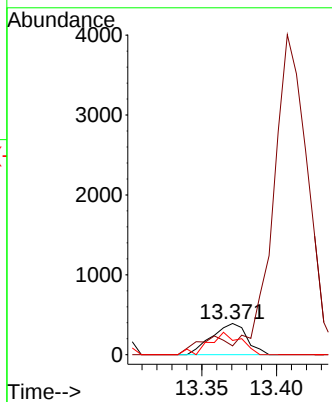
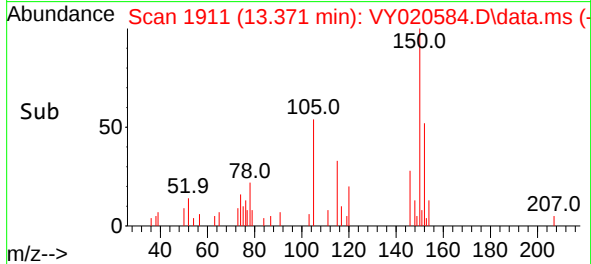


#88
1,4-Dichlorobenzene
Concen: 1.172 ug/l
RT: 13.371 min Scan# 1912
Delta R.T. -0.006 min
Lab File: VY020584.D
Acq: 11 Dec 2024 13:37

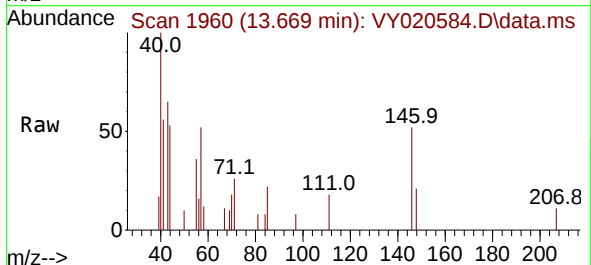
Instrument :
MSVOA_Y
ClientSampleId :



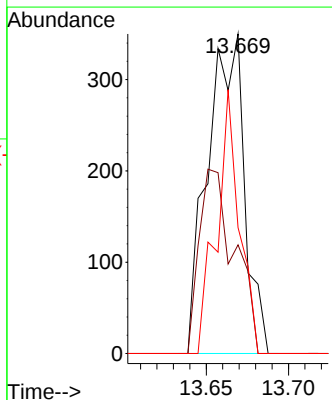
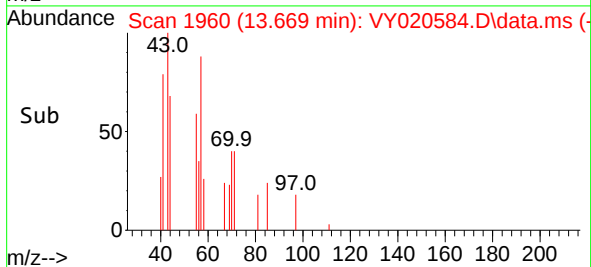
Tgt Ion:146 Resp: 637
Ion Ratio Lower Upper
146 100
111 53.2 19.9 59.6
148 64.4 32.0 96.2

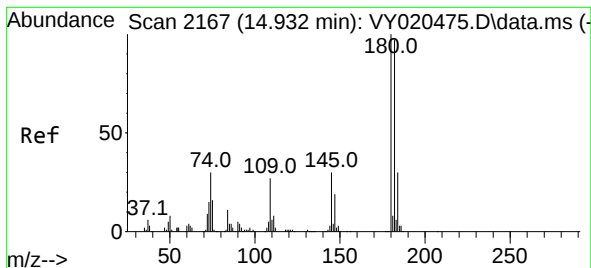


#91
1,2-Dichlorobenzene
Concen: 1.159 ug/l
RT: 13.669 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VY020584.D
Acq: 11 Dec 2024 13:37



Tgt Ion:146 Resp: 546
Ion Ratio Lower Upper
146 100
111 55.3 20.8 62.5
148 50.5 31.8 95.4





#93

1,2,4-Trichlorobenzene

Concen: 2.662 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. -0.006 min

Lab File: VY020584.D

Acq: 11 Dec 2024 13:37

Instrument :

MSVOA_Y

ClientSampleId :

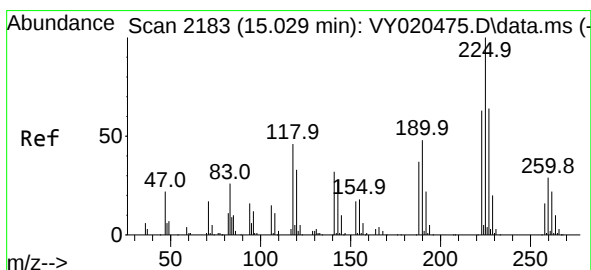
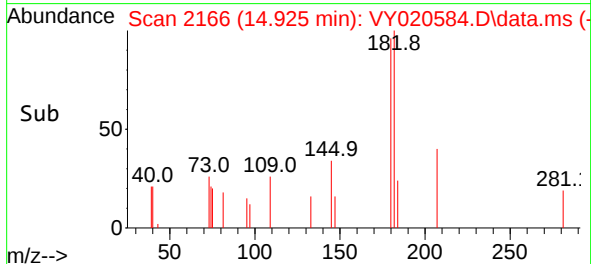
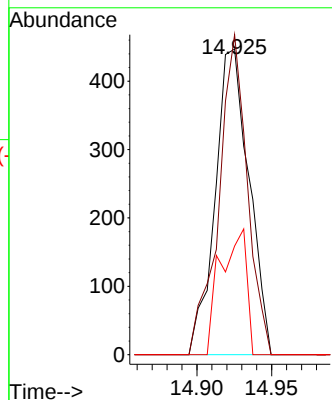
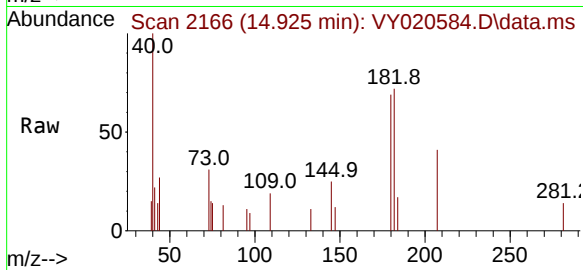
Tgt Ion:180 Resp: 705

Ion Ratio Lower Upper

180 100

182 88.5 47.6 142.8

145 31.6 15.8 47.3



#94

Hexachlorobutadiene

Concen: 1.295 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.006 min

Lab File: VY020584.D

Acq: 11 Dec 2024 13:37

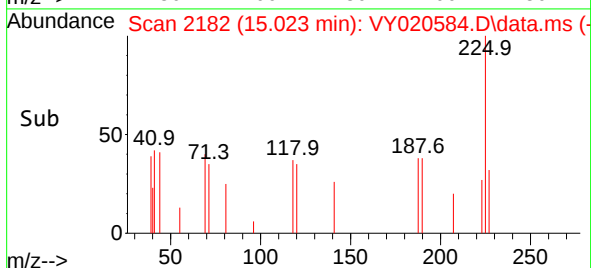
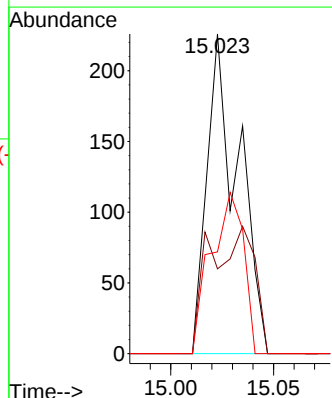
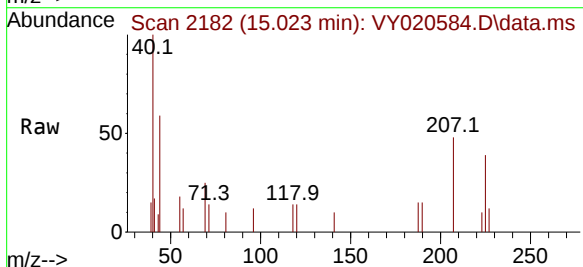
Tgt Ion:225 Resp: 240

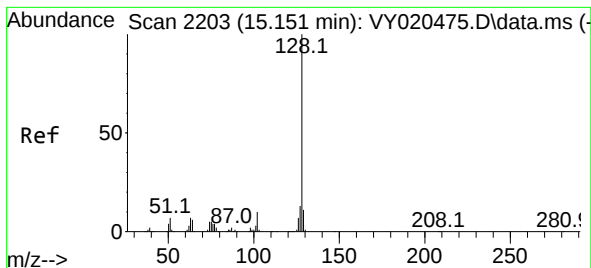
Ion Ratio Lower Upper

225 100

223 56.7 31.9 95.5

227 52.5 32.3 96.8





#95

Naphthalene

Concen: 6.240 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY020584.D

Acq: 11 Dec 2024 13:37

Instrument :

MSVOA_Y

ClientSampleId :

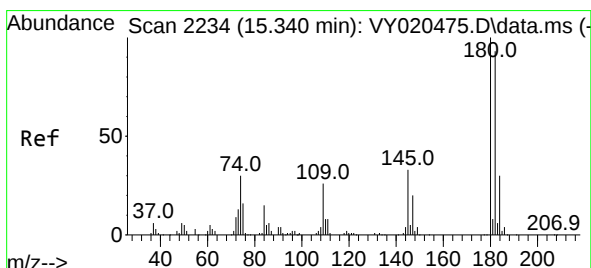
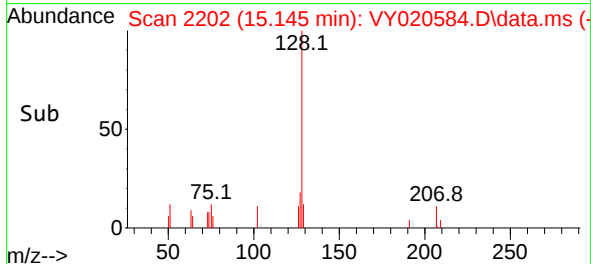
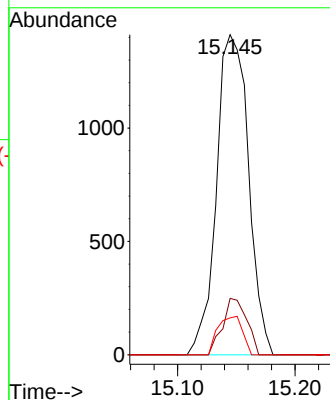
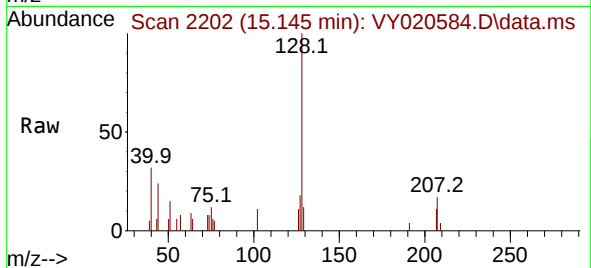
Tgt Ion:128 Resp: 2674

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 9.2 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 3.641 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.012 min

Lab File: VY020584.D

Acq: 11 Dec 2024 13:37

Tgt Ion:180 Resp: 778

Ion Ratio Lower Upper

180 100

182 79.7 47.4 142.3

145 25.7 16.9 50.6

