

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
 Data File : VY020536.D
 Acq On : 06 Dec 2024 15:07
 Operator : SY/MD
 Sample : P5108-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 07 03:26:02 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)

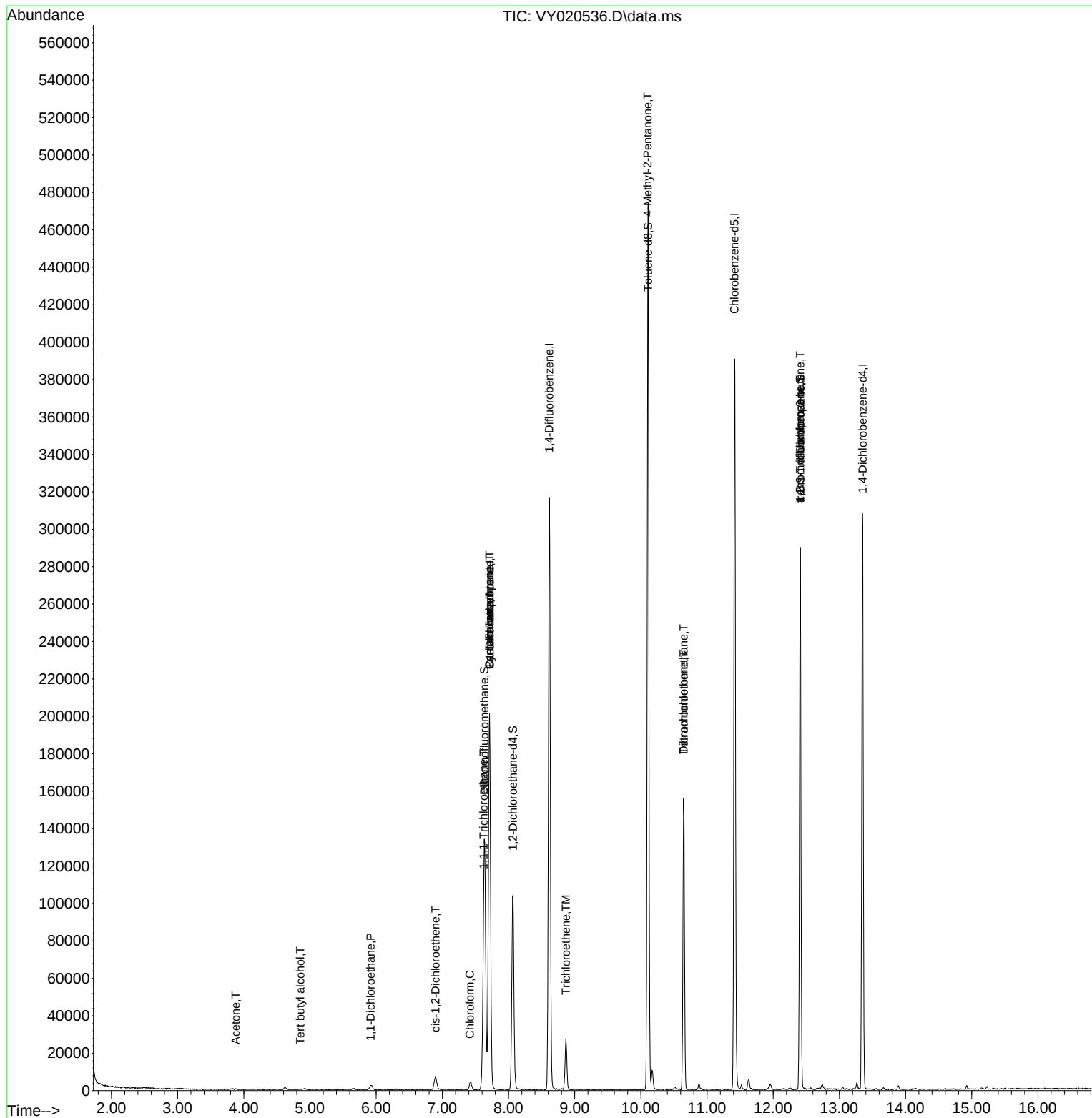
Internal Standards						
1) Pentafluorobenzene	7.713	168	149776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	258111	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	205074	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.353	152	77231	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	84904	55.739	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.480%	
35) Dibromofluoromethane	7.634	113	82030	50.482	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.960%	
50) Toluene-d8	10.109	98	305452	49.366	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.740%	
62) 4-Bromofluorobenzene	12.408	95	86024	39.752	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 79.500%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.854	59	139	1.407	ug/l #	73
16) Acetone	3.879	43	618	1.632	ug/l #	82
24) 1,1-Dichloroethane	5.915	63	3968	1.195	ug/l	96
27) cis-1,2-Dichloroethene	6.896	96	2460	1.220	ug/l	94
30) Chloroform	7.415	83	4244	1.246	ug/l #	79
31) Cyclohexane	7.713	56	3385	1.128	ug/l #	1
32) 1,1,1-Trichloroethane	7.622	97	24580	7.492	ug/l	98
36) 1,1-Dichloropropene	7.713	75	12837	4.678	ug/l #	52
38) Carbon Tetrachloride	7.713	117	15881	4.849	ug/l #	15
44) Trichloroethene	8.866	130	9050	4.538	ug/l	94
51) 4-Methyl-2-Pentanone	10.103	43	1437	1.326	ug/l #	1
60) Dibromochloromethane	10.646	129	29082	16.705	ug/l #	11
64) Tetrachloroethene	10.646	164	32328	18.656	ug/l	92
76) 1,2,3-Trichloropropane	12.408	75	46862	59.565	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	46862	122.218	ug/l #	9

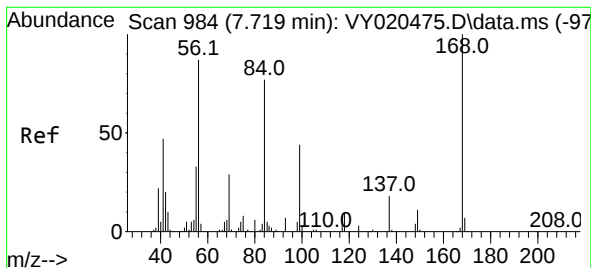
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY020536.D

Acq: 06 Dec 2024 15:07

Instrument :

MSVOA_Y

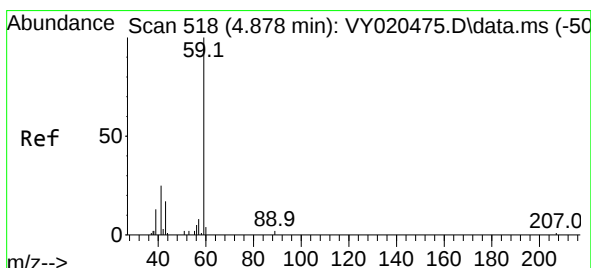
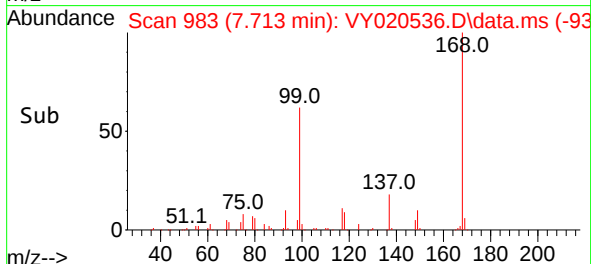
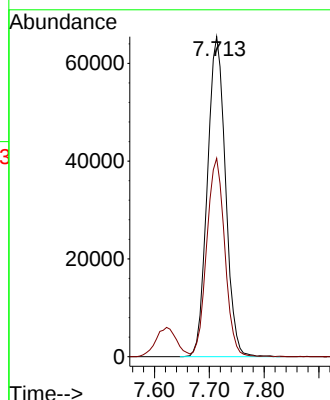
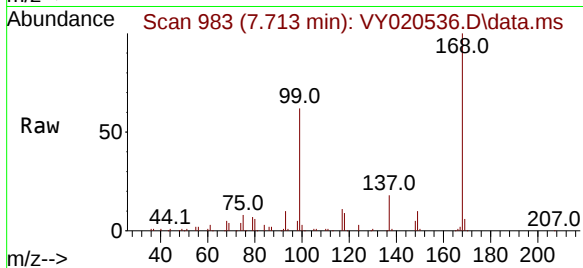
ClientSampleId :

Tgt Ion:168 Resp: 149776

Ion Ratio Lower Upper

168 100

99 61.8 46.6 69.8



#11

Tert butyl alcohol

Concen: 1.407 ug/l

RT: 4.854 min Scan# 514

Delta R.T. -0.024 min

Lab File: VY020536.D

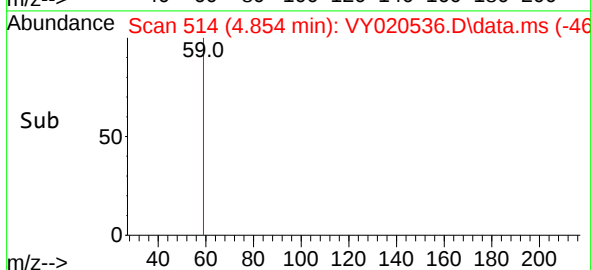
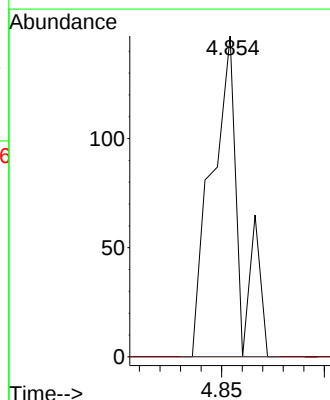
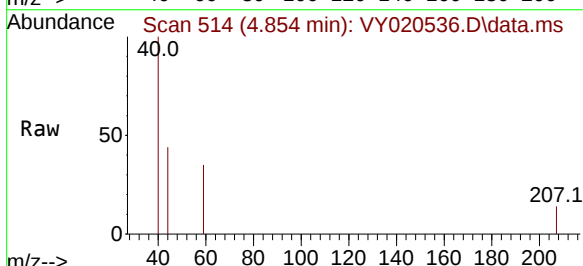
Acq: 06 Dec 2024 15:07

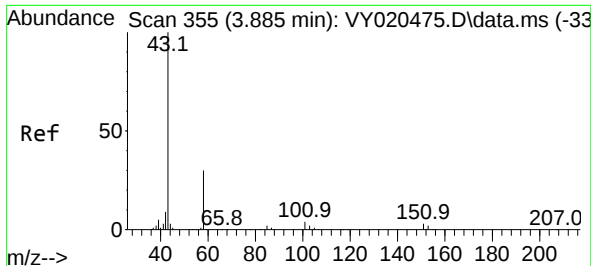
Tgt Ion: 59 Resp: 139

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#





#16

Acetone

Concen: 1.632 ug/l

RT: 3.879 min Scan# 31

Delta R.T. -0.006 min

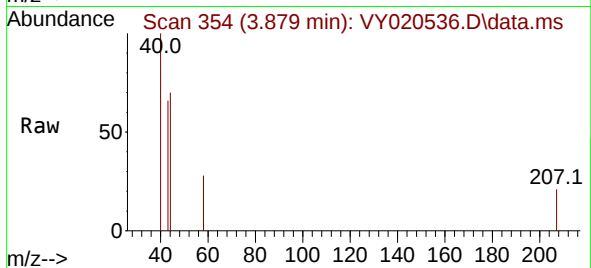
Lab File: VY020536.D

Acq: 06 Dec 2024 15:07

Instrument :

MSVOA_Y

ClientSampleId :

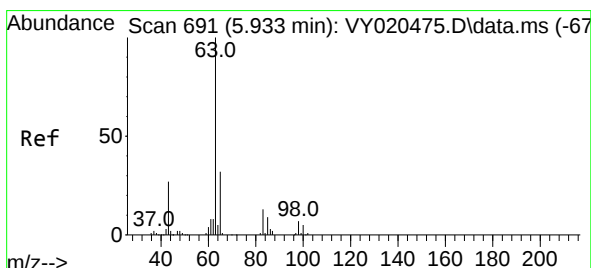
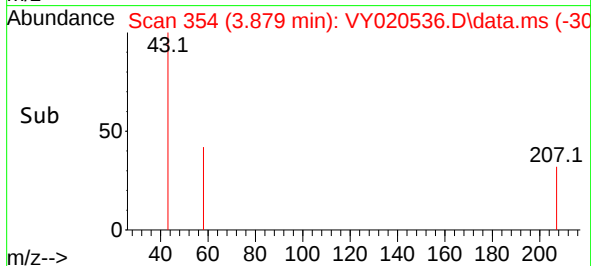
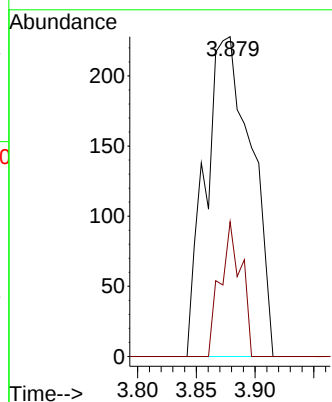


Tgt Ion: 43 Resp: 618

Ion Ratio Lower Upper

43 100

58 42.1 25.7 38.5#



#24

1,1-Dichloroethane

Concen: 1.195 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.018 min

Lab File: VY020536.D

Acq: 06 Dec 2024 15:07

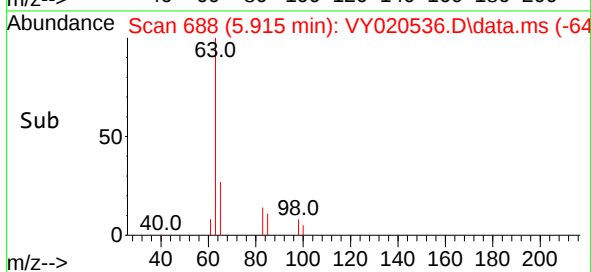
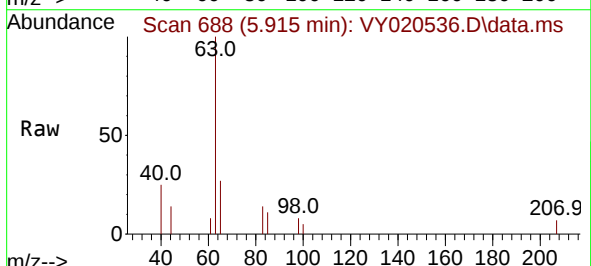
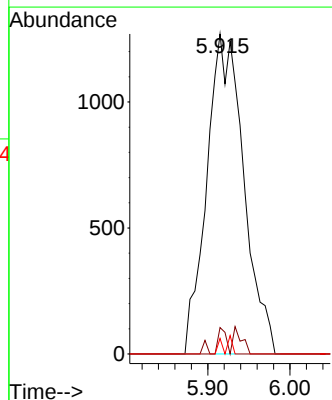
Tgt Ion: 63 Resp: 3968

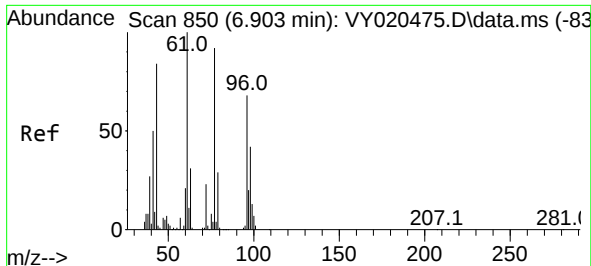
Ion Ratio Lower Upper

63 100

98 8.3 3.4 10.1

100 4.9 2.0 5.8





#27

cis-1,2-Dichloroethene

Concen: 1.220 ug/l

RT: 6.896 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY020536.D

Acq: 06 Dec 2024 15:07

Instrument :

MSVOA_Y

ClientSampleId :

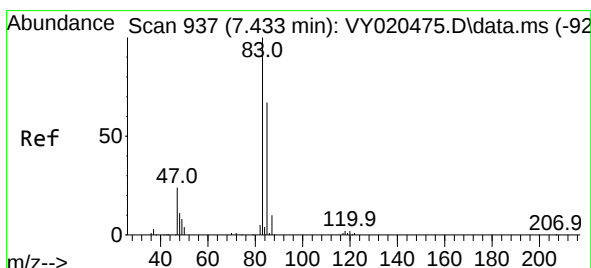
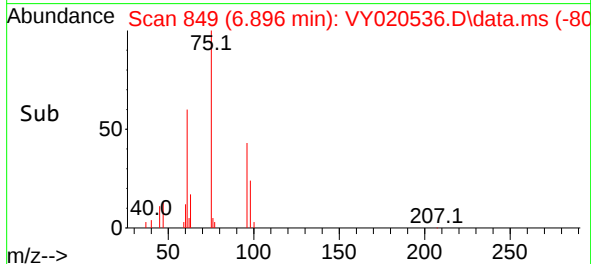
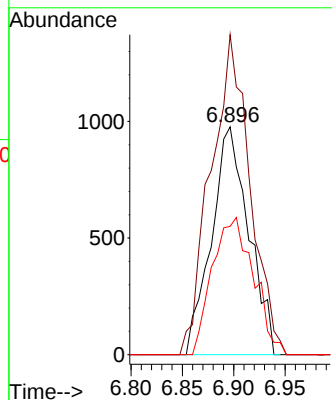
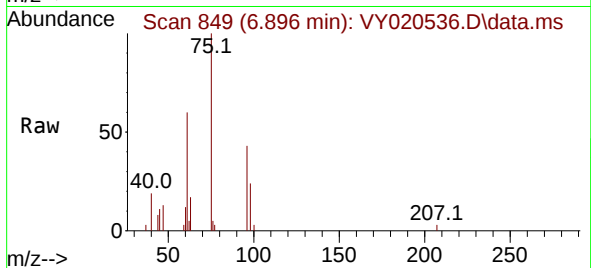
Tgt Ion: 96 Resp: 2460

Ion Ratio Lower Upper

96 100

61 148.0 0.0 312.4

98 67.0 0.0 126.8



#30

Chloroform

Concen: 1.246 ug/l

RT: 7.415 min Scan# 934

Delta R.T. -0.018 min

Lab File: VY020536.D

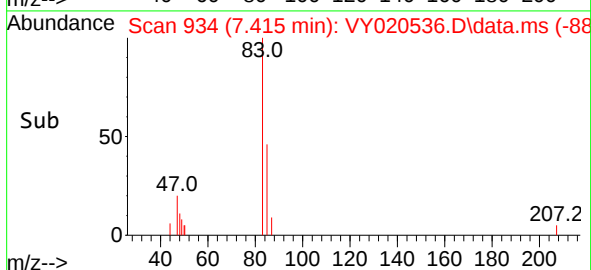
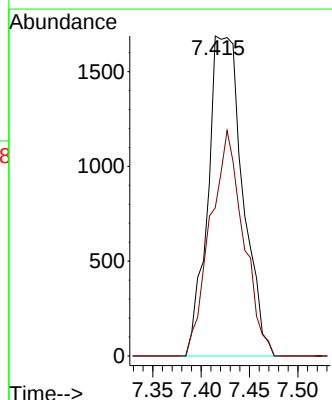
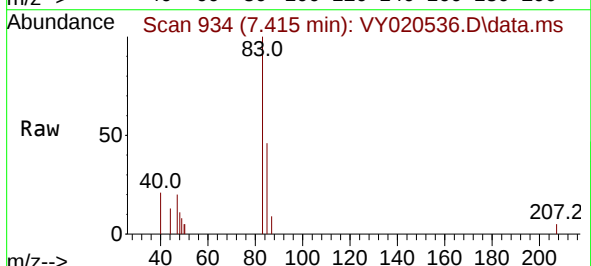
Acq: 06 Dec 2024 15:07

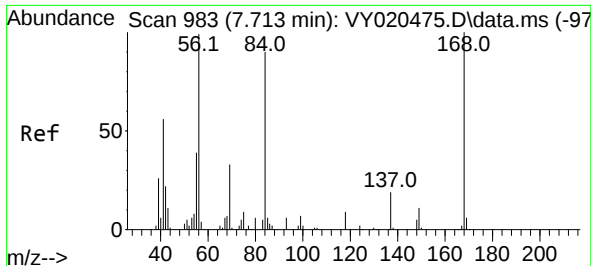
Tgt Ion: 83 Resp: 4244

Ion Ratio Lower Upper

83 100

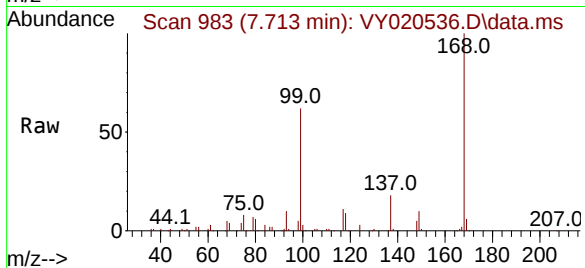
85 46.3 50.3 75.5#



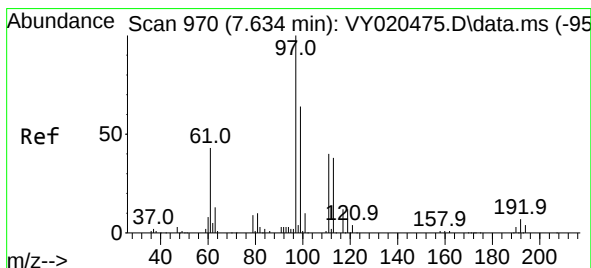
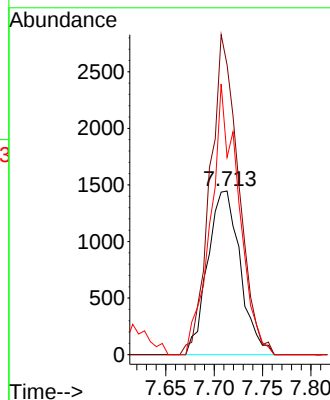
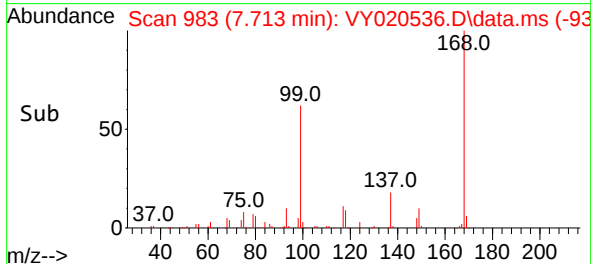


#31
Cyclohexane
Concen: 1.128 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY020536.D
Acq: 06 Dec 2024 15:07

Instrument :
MSVOA_Y
ClientSampleId :

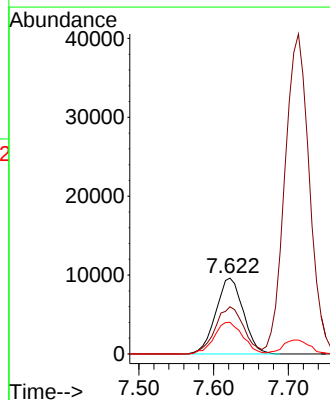
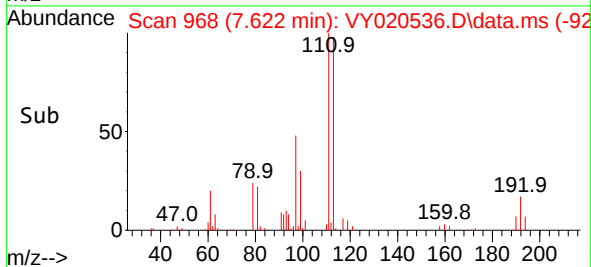
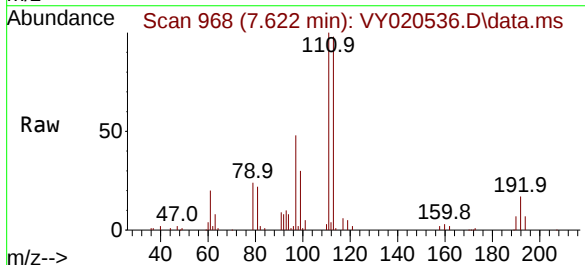


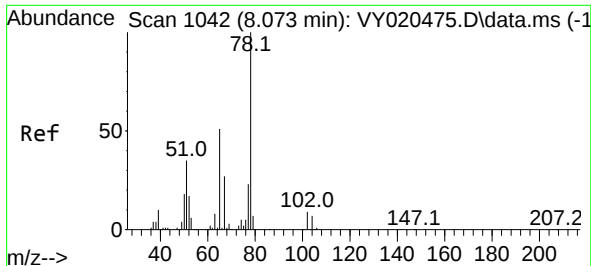
Tgt Ion: 56 Resp: 3385
Ion Ratio Lower Upper
56 100
69 177.1 25.3 37.9#
84 120.6 66.9 100.3#



#32
1,1,1-Trichloroethane
Concen: 7.492 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.012 min
Lab File: VY020536.D
Acq: 06 Dec 2024 15:07

Tgt Ion: 97 Resp: 24580
Ion Ratio Lower Upper
97 100
99 65.0 51.8 77.6
61 43.6 37.1 55.7





#33

1,2-Dichloroethane-d4

Concen: 55.739 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY020536.D

Acq: 06 Dec 2024 15:07

Instrument :

MSVOA_Y

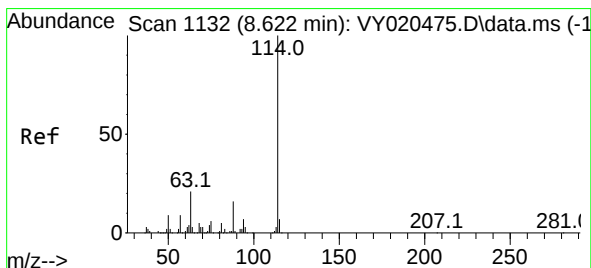
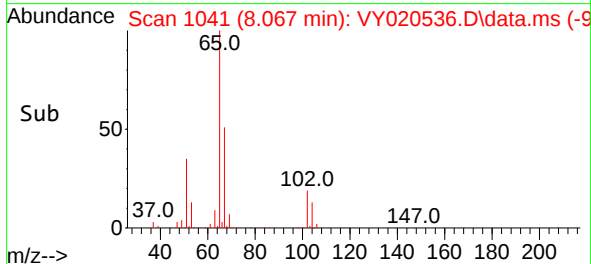
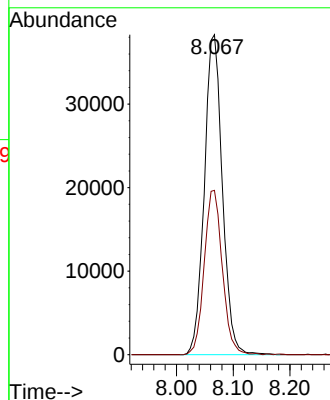
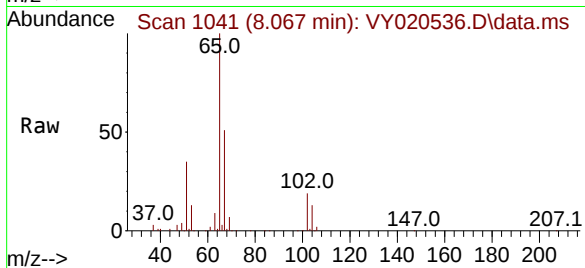
ClientSampleId :

Tgt Ion: 65 Resp: 84904

Ion Ratio Lower Upper

65 100

67 51.5 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY020536.D

Acq: 06 Dec 2024 15:07

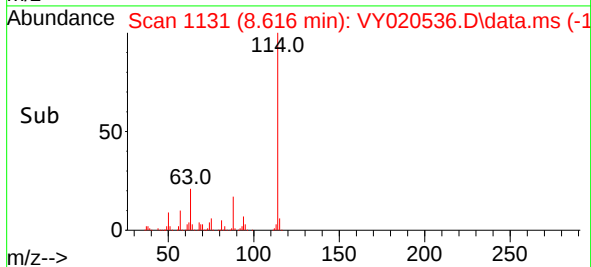
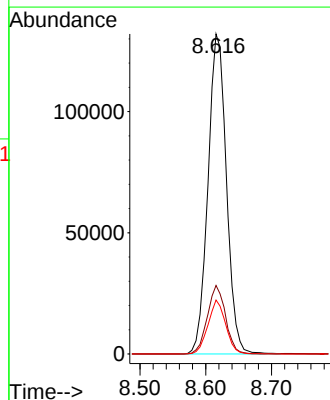
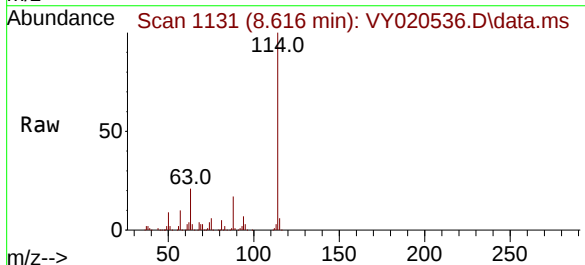
Tgt Ion: 114 Resp: 258111

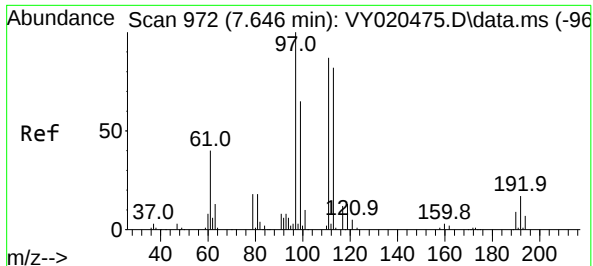
Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.8

88 16.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.482 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.012 min

Lab File: VY020536.D

Acq: 06 Dec 2024 15:07

Instrument :

MSVOA_Y

ClientSampleId :

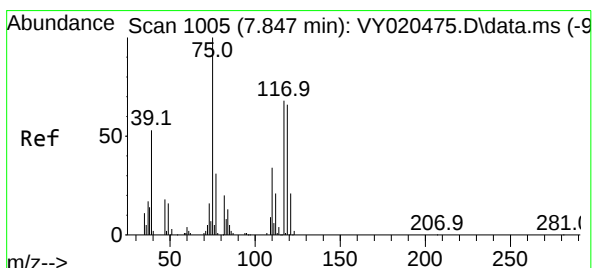
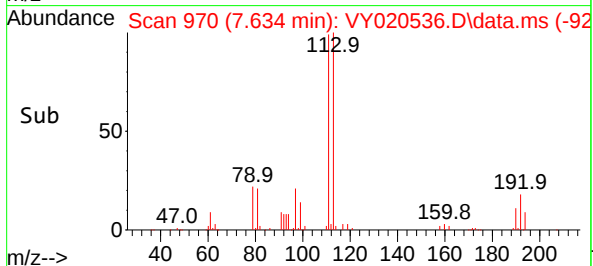
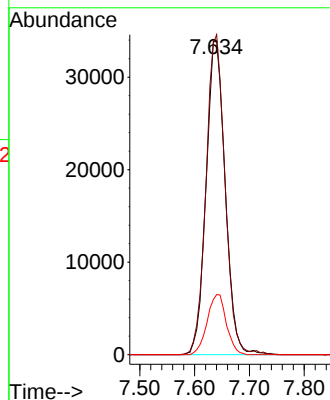
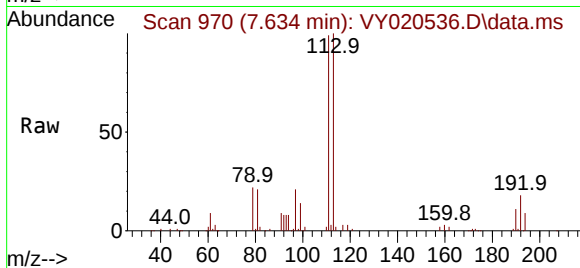
Tgt Ion:113 Resp: 82030

Ion Ratio Lower Upper

113 100

111 101.5 81.4 122.0

192 19.2 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.678 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.134 min

Lab File: VY020536.D

Acq: 06 Dec 2024 15:07

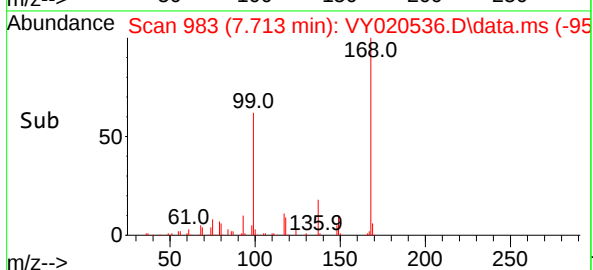
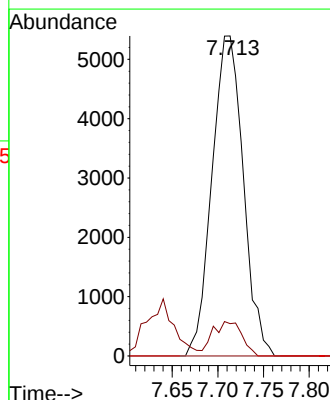
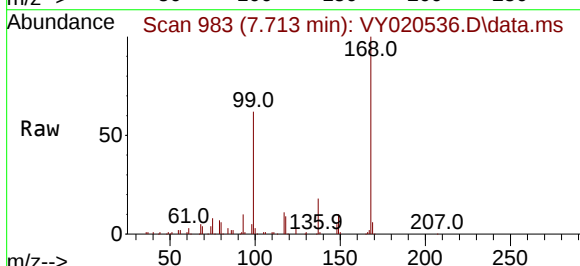
Tgt Ion: 75 Resp: 12837

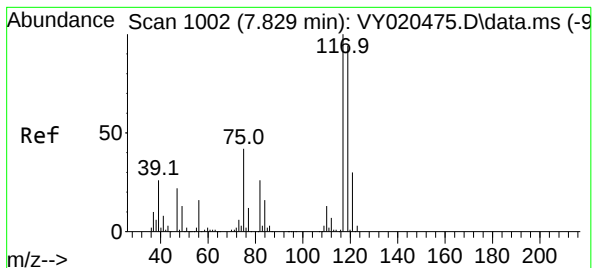
Ion Ratio Lower Upper

75 100

110 9.9 16.7 50.0#

77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 4.849 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY020536.D

Acq: 06 Dec 2024 15:07

Instrument :

MSVOA_Y

ClientSampleId :

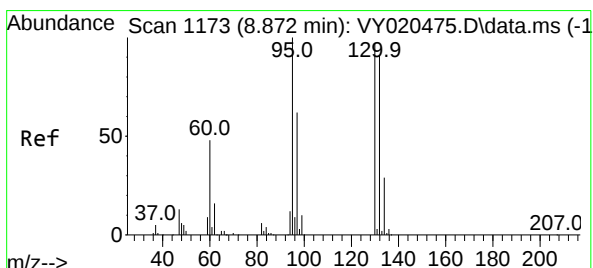
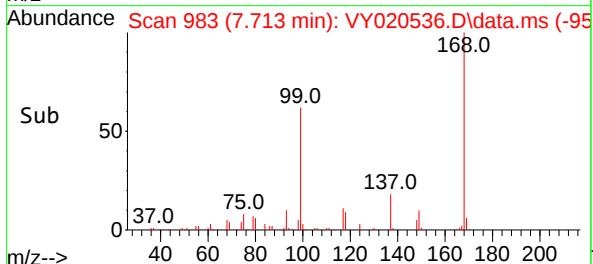
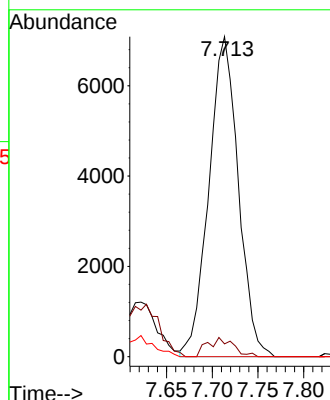
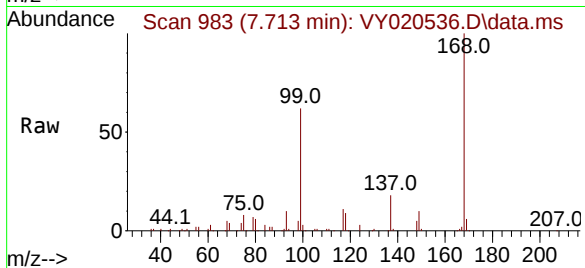
Tgt Ion:117 Resp: 15881

Ion Ratio Lower Upper

117 100

119 4.0 77.8 116.6#

121 0.0 24.6 37.0#



#44

Trichloroethene

Concen: 4.538 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. -0.006 min

Lab File: VY020536.D

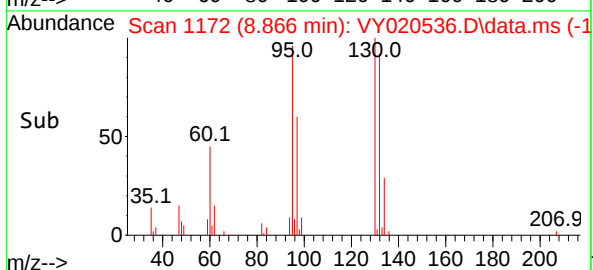
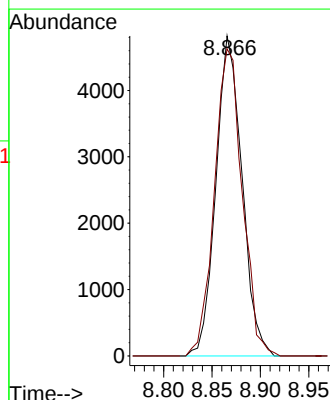
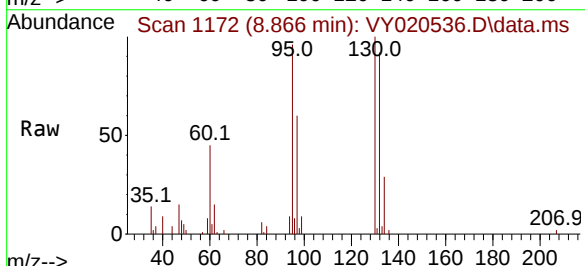
Acq: 06 Dec 2024 15:07

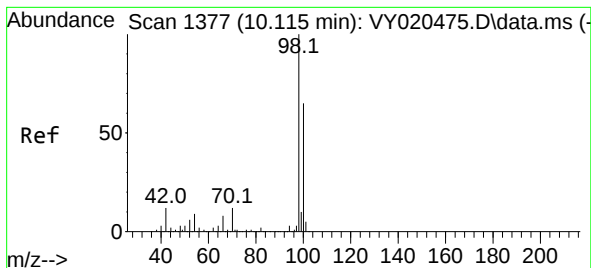
Tgt Ion:130 Resp: 9050

Ion Ratio Lower Upper

130 100

95 96.0 0.0 204.8





#50

Toluene-d8

Concen: 49.366 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.006 min

Lab File: VY020536.D

Acq: 06 Dec 2024 15:07

Instrument :

MSVOA_Y

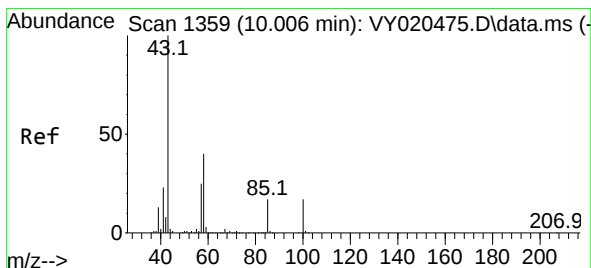
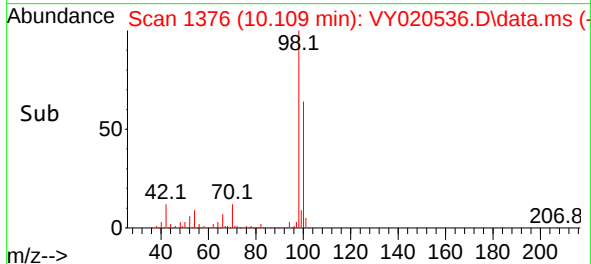
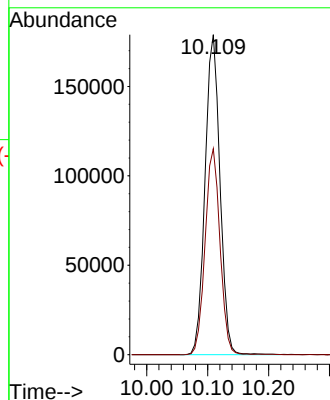
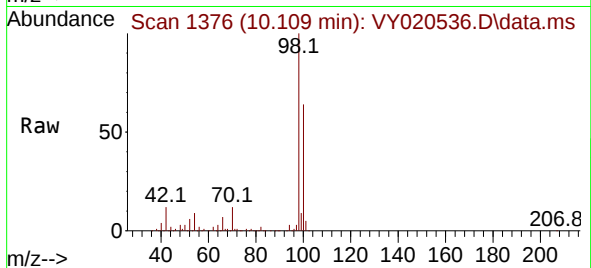
ClientSampleId :

Tgt Ion: 98 Resp: 305452

Ion Ratio Lower Upper

98 100

100 64.3 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 1.326 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.098 min

Lab File: VY020536.D

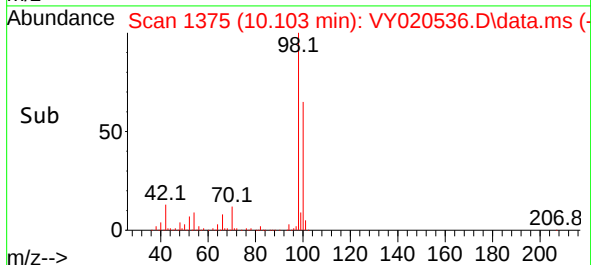
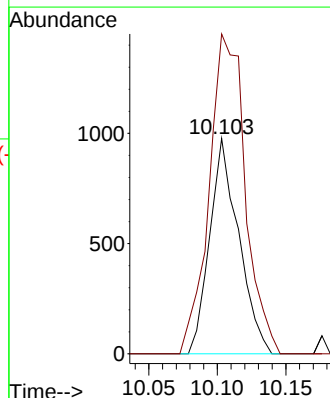
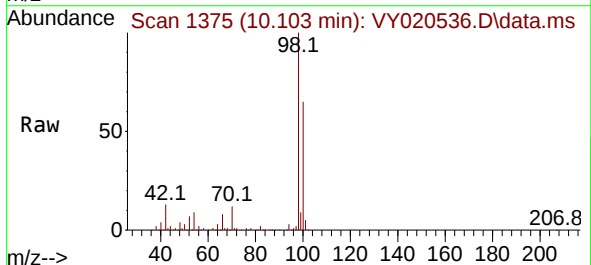
Acq: 06 Dec 2024 15:07

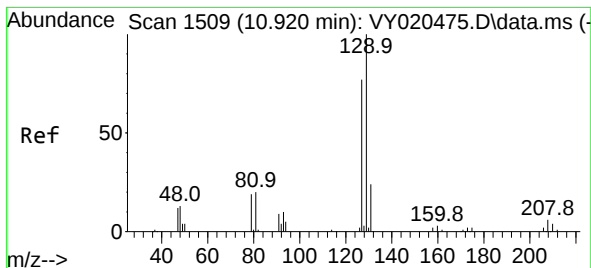
Tgt Ion: 43 Resp: 1437

Ion Ratio Lower Upper

43 100

58 184.9 30.9 46.3#

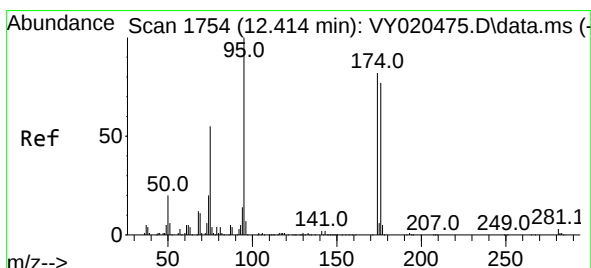
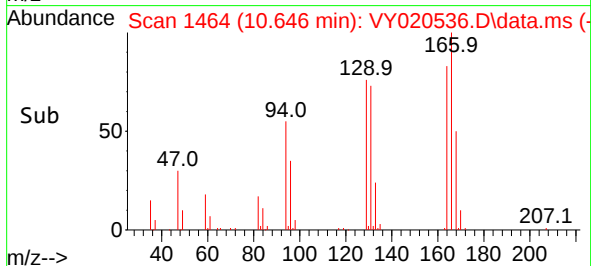
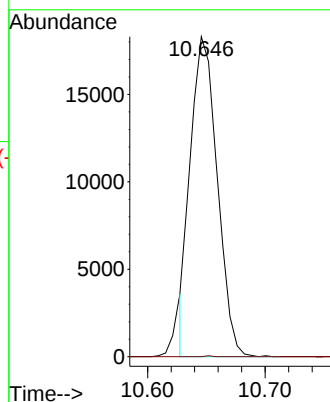
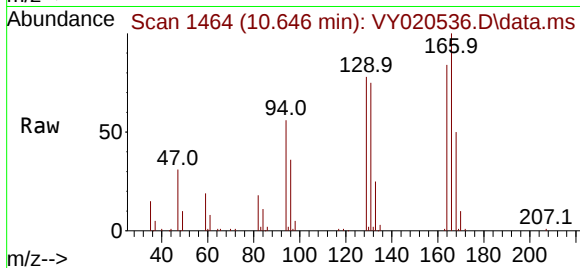




#60
Dibromochloromethane
Concen: 16.705 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.274 min
Lab File: VY020536.D
Acq: 06 Dec 2024 15:07

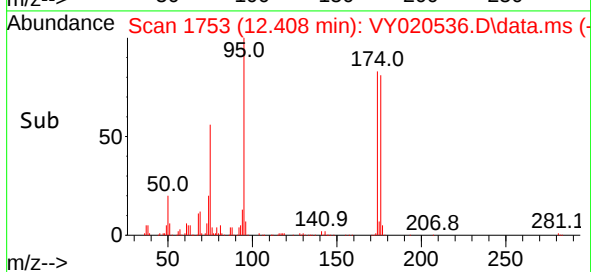
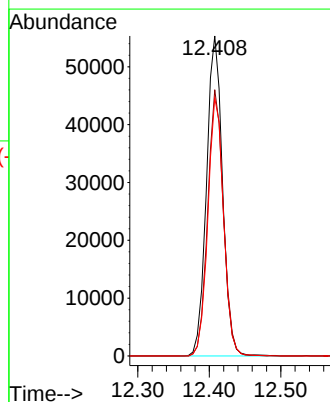
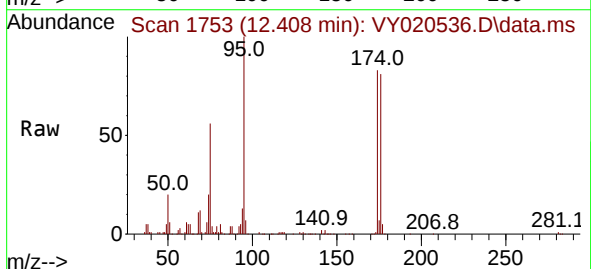
Instrument :
MSVOA_Y
ClientSampleId :

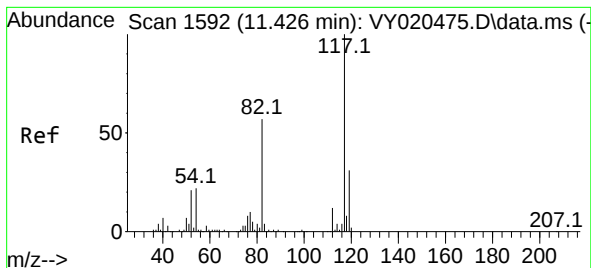
Tgt Ion:129 Resp: 29082
Ion Ratio Lower Upper
129 100
127 0.1 38.3 114.9#



#62
4-Bromofluorobenzene
Concen: 39.752 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY020536.D
Acq: 06 Dec 2024 15:07

Tgt Ion: 95 Resp: 86024
Ion Ratio Lower Upper
95 100
174 81.4 0.0 156.8
176 79.1 0.0 152.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.012 min

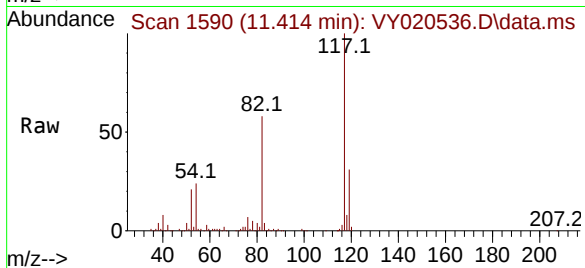
Lab File: VY020536.D

Acq: 06 Dec 2024 15:07

Instrument :

MSVOA_Y

ClientSampleId :



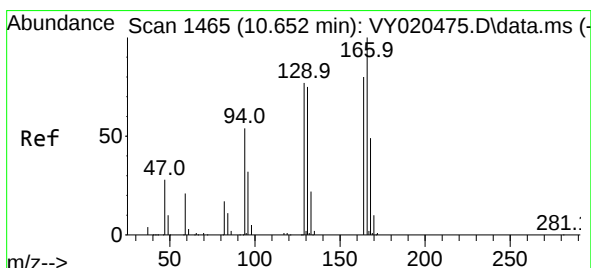
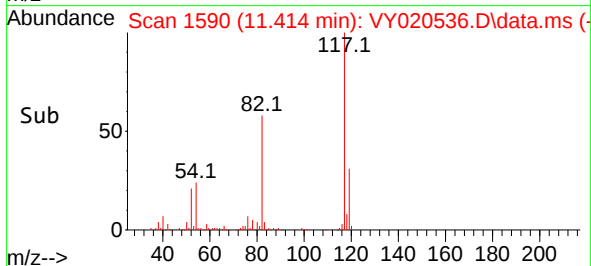
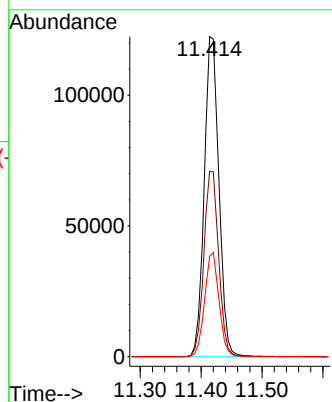
Tgt Ion:117 Resp: 205074

Ion Ratio Lower Upper

117 100

82 57.9 48.2 72.4

119 31.4 25.8 38.8



#64

Tetrachloroethene

Concen: 18.656 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY020536.D

Acq: 06 Dec 2024 15:07

Tgt Ion:164 Resp: 32328

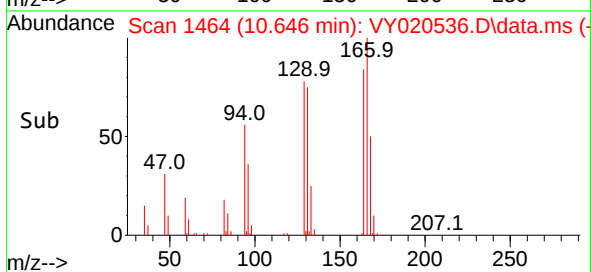
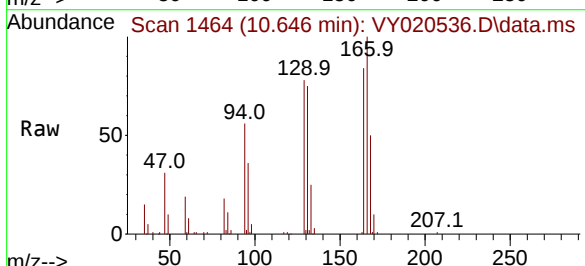
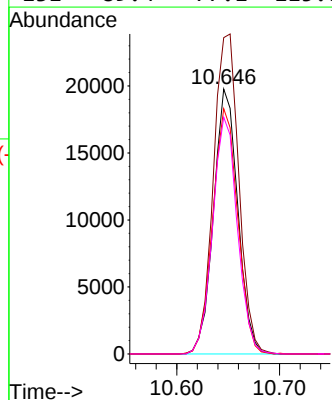
Ion Ratio Lower Upper

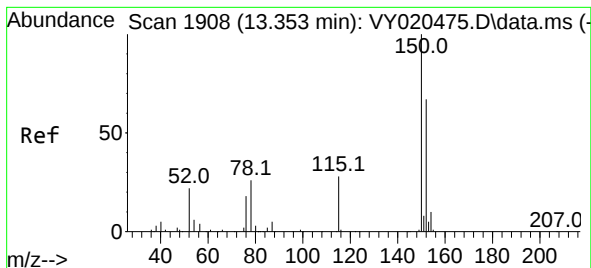
164 100

166 119.3 103.8 155.8

129 92.6 79.0 118.4

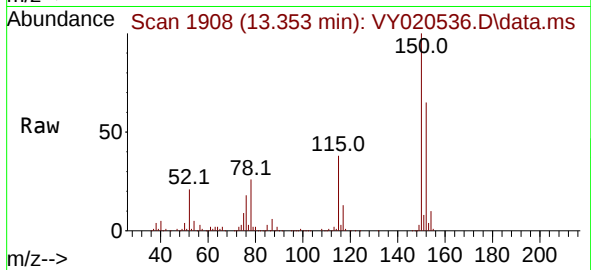
131 89.4 77.1 115.7



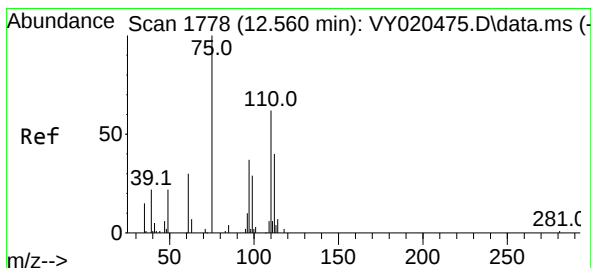
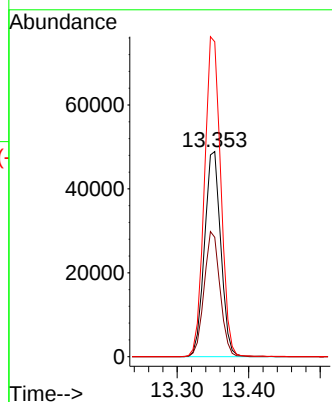
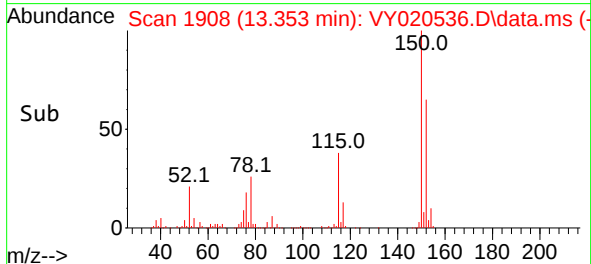


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY020536.D
Acq: 06 Dec 2024 15:07

Instrument :
MSVOA_Y
ClientSampleId :

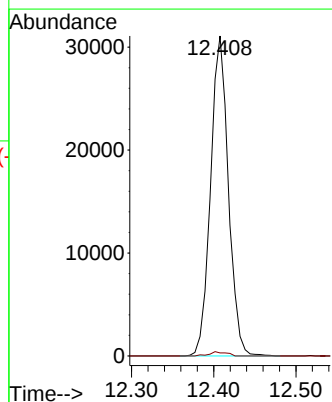
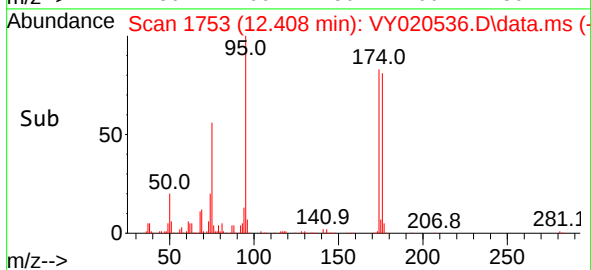
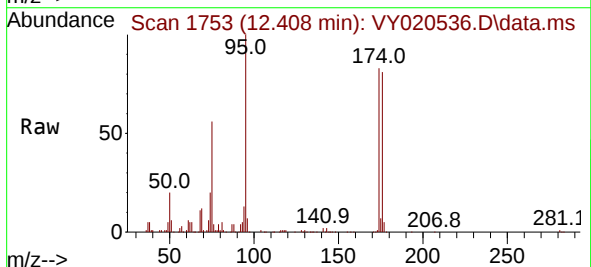


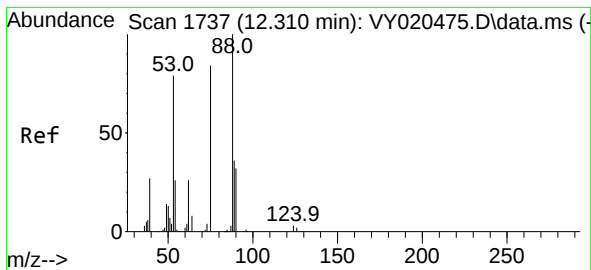
Tgt Ion:152 Resp: 77231
Ion Ratio Lower Upper
152 100
115 59.7 30.0 90.0
150 156.4 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 59.565 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY020536.D
Acq: 06 Dec 2024 15:07

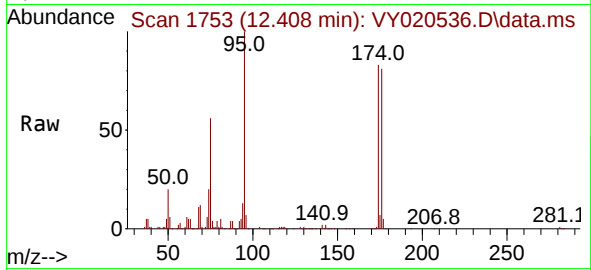
Tgt Ion: 75 Resp: 46862
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 122.218 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY020536.D
Acq: 06 Dec 2024 15:07

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	75	Resp:	46862
Ion	Ratio	Lower	Upper
75	100		
53	0.0	81.1	121.7#
89	0.1	35.1	52.7#

