

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
 Data File : VY020566.D
 Acq On : 10 Dec 2024 13:49
 Operator : SY/MD
 Sample : P5176-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 11 00:49:02 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	7.707	168	62089	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	97670	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	74660	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	28244	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	31094	49.242	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.480%
35) Dibromofluoromethane	7.628	113	30726	49.971	ug/l	-0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.940%
50) Toluene-d8	10.103	98	113669	48.548	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.100%
62) 4-Bromofluorobenzene	12.402	95	30857	37.682	ug/l	-0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	75.360%

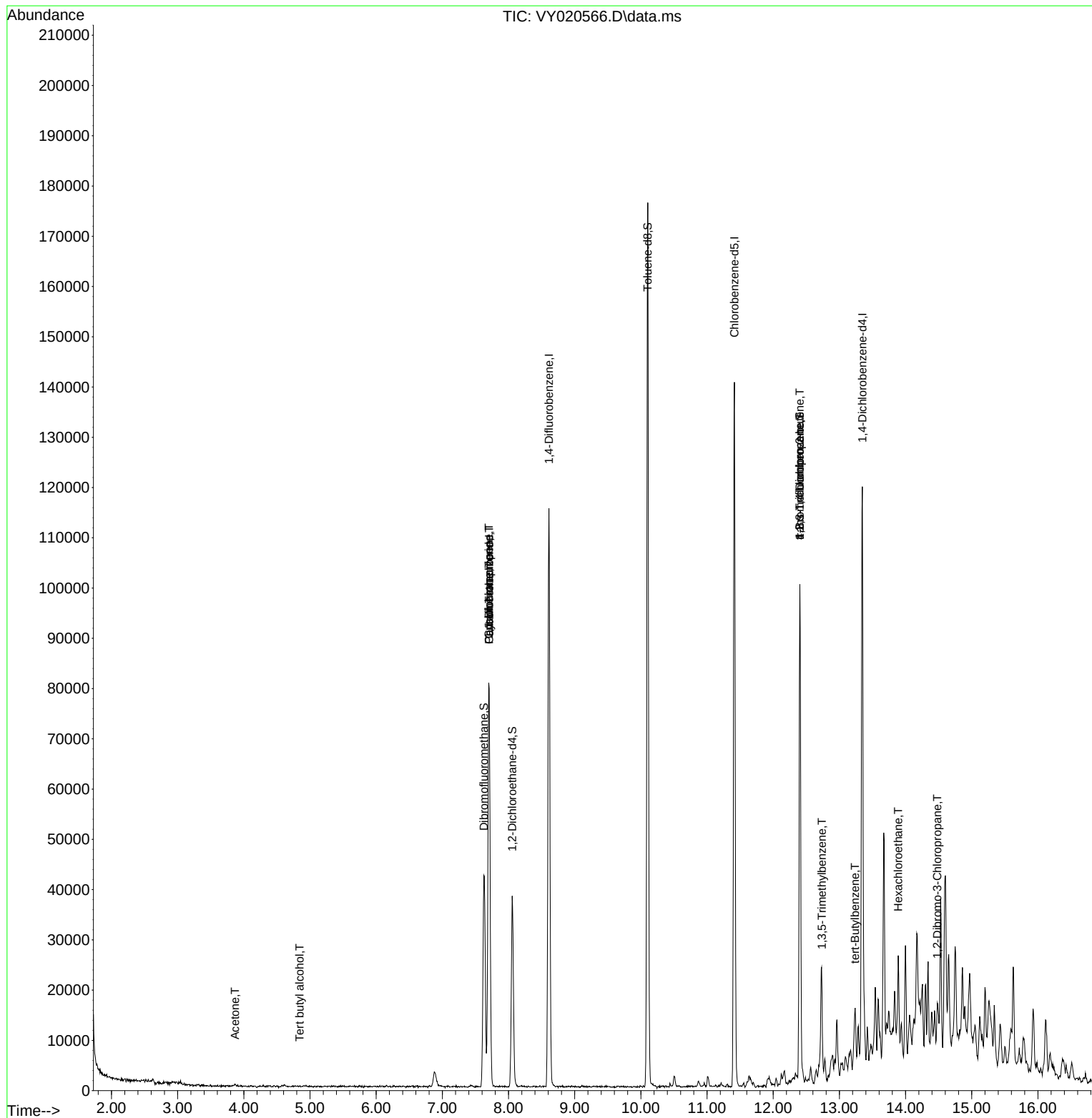
Target Compounds						Qvalue
11) Tert butyl alcohol	4.842	59	137	3.345	ug/l #	73
16) Acetone	3.867	43	660	4.204	ug/l #	65
31) Cyclohexane	7.701	56	1390	1.117	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	5058	4.871	ug/l #	52
38) Carbon Tetrachloride	7.707	117	6475	5.225	ug/l #	15
76) 1,2,3-Trichloropropane	12.402	75	16244	56.458	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.737	105	2293	1.047	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.402	75	16244	115.844	ug/l #	9
83) tert-Butylbenzene	13.237	119	2004	1.012	ug/l	72
90) Hexachloroethane	13.889	117	763	1.670	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.480	75	77	1.294	ug/l #	3

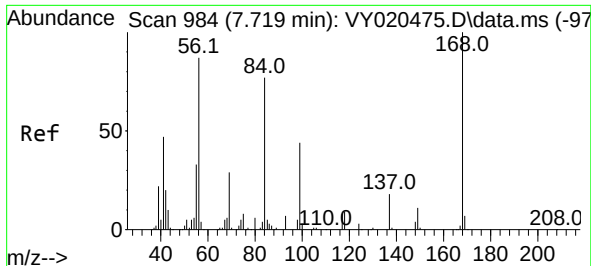
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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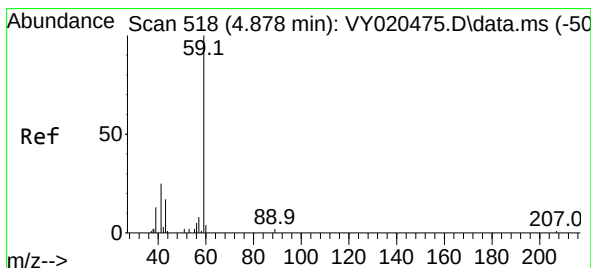
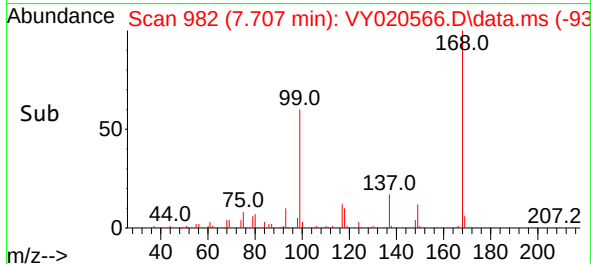
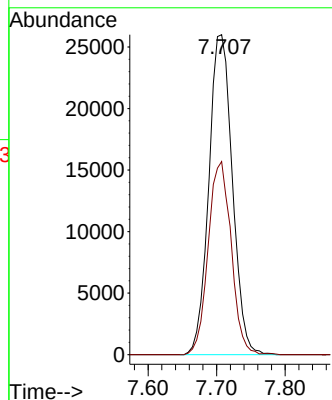
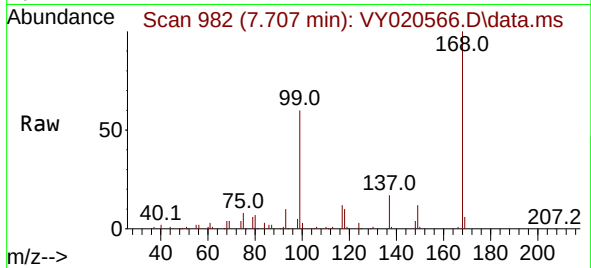




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020566.D
Acq: 10 Dec 2024 13:49

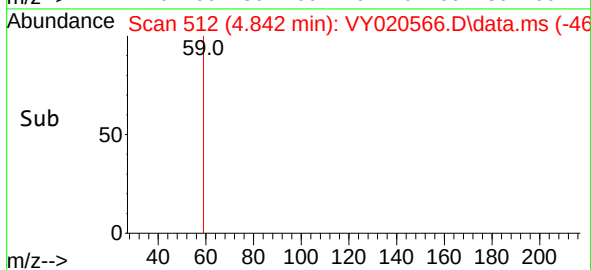
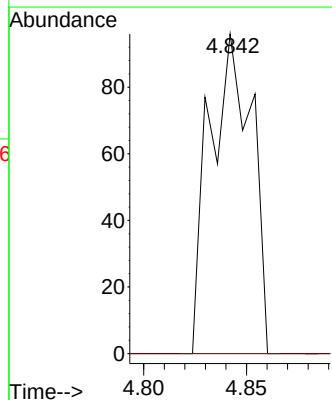
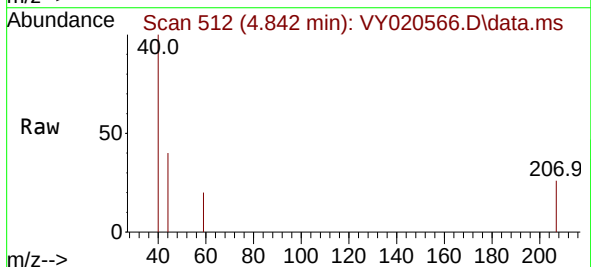
Instrument :
MSVOA_Y
ClientSampleId :

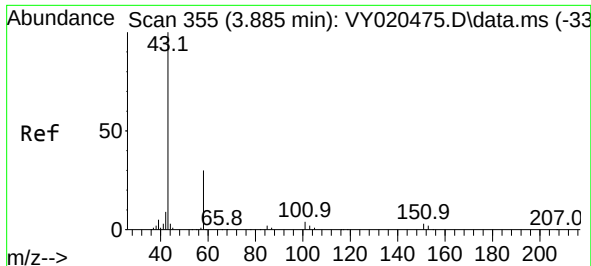
Tgt Ion:168 Resp: 62089
Ion Ratio Lower Upper
168 100
99 60.4 46.6 69.8



#11
Tert butyl alcohol
Concen: 3.345 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.037 min
Lab File: VY020566.D
Acq: 10 Dec 2024 13:49

Tgt Ion: 59 Resp: 137
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 4.204 ug/l

RT: 3.867 min Scan# 31

Delta R.T. -0.018 min

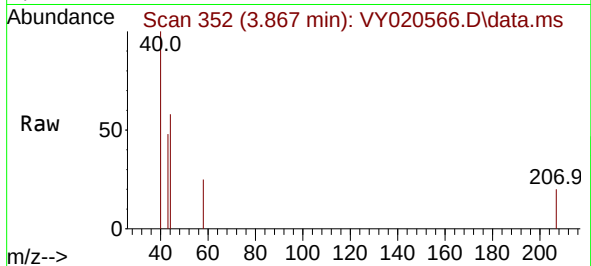
Lab File: VY020566.D

Acq: 10 Dec 2024 13:49

Instrument :

MSVOA_Y

ClientSampleId :

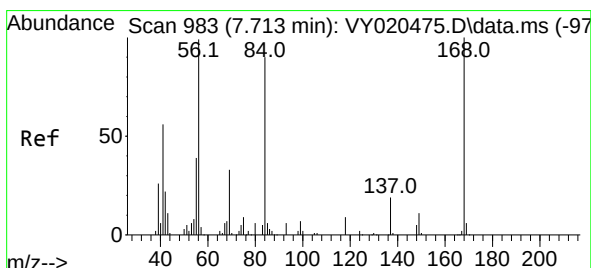
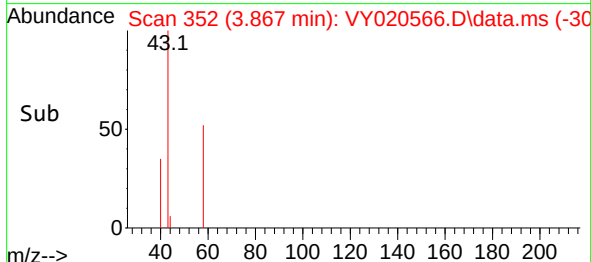
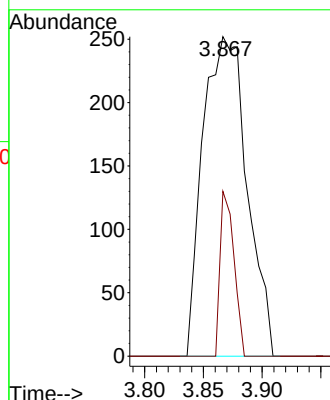


Tgt Ion: 43 Resp: 660

Ion Ratio Lower Upper

43 100

58 51.6 25.7 38.5#



#31

Cyclohexane

Concen: 1.117 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.012 min

Lab File: VY020566.D

Acq: 10 Dec 2024 13:49

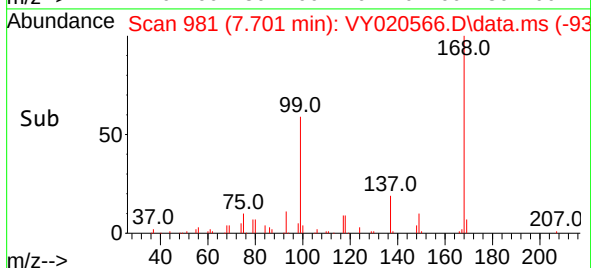
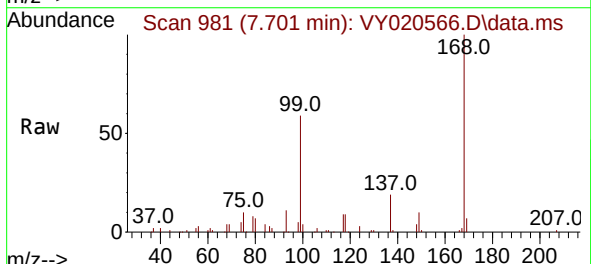
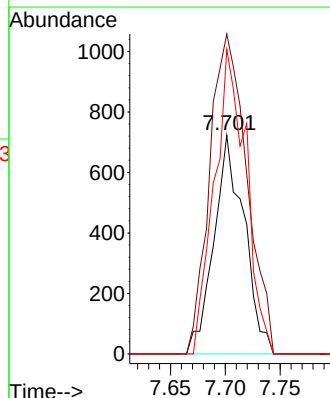
Tgt Ion: 56 Resp: 1390

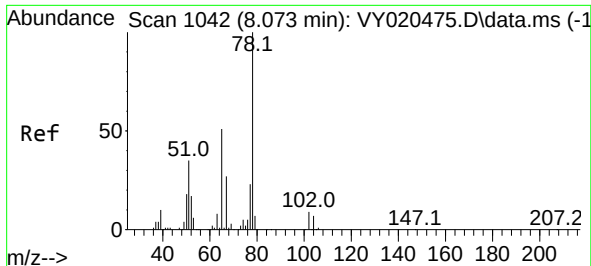
Ion Ratio Lower Upper

56 100

69 146.3 25.3 37.9#

84 139.1 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 49.242 ug/l

RT: 8.055 min Scan# 1109

Delta R.T. -0.018 min

Lab File: VY020566.D

Acq: 10 Dec 2024 13:49

Instrument :

MSVOA_Y

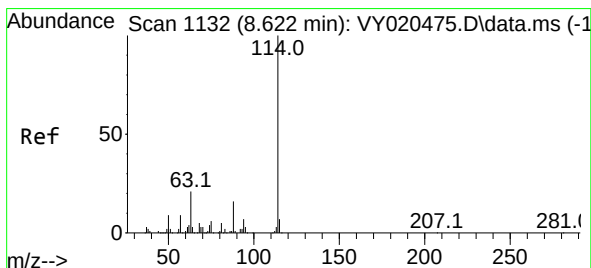
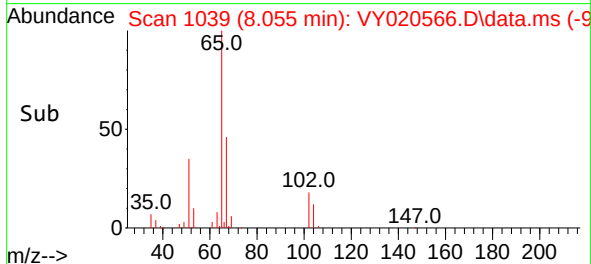
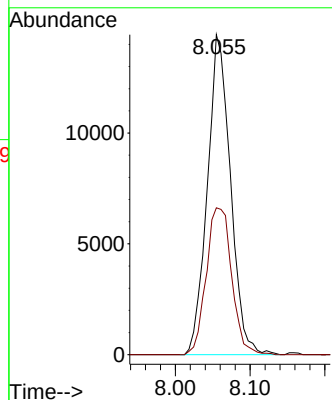
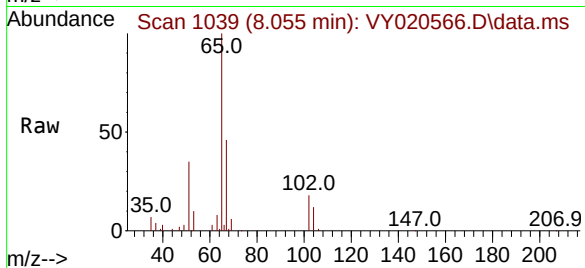
ClientSampleId :

Tgt Ion: 65 Resp: 31094

Ion Ratio Lower Upper

65 100

67 50.4 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: VY020566.D

Acq: 10 Dec 2024 13:49

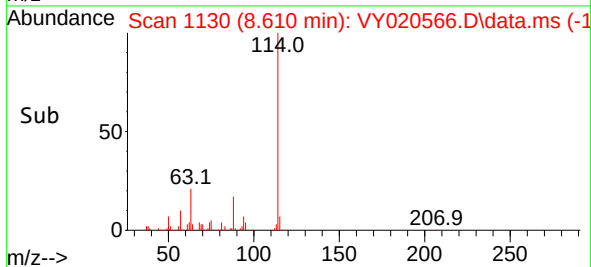
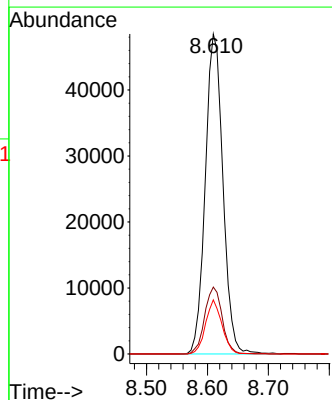
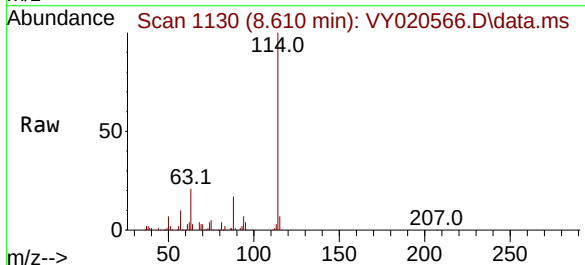
Tgt Ion: 114 Resp: 97670

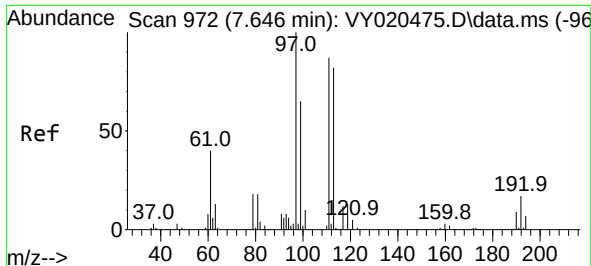
Ion Ratio Lower Upper

114 100

63 20.9 0.0 44.8

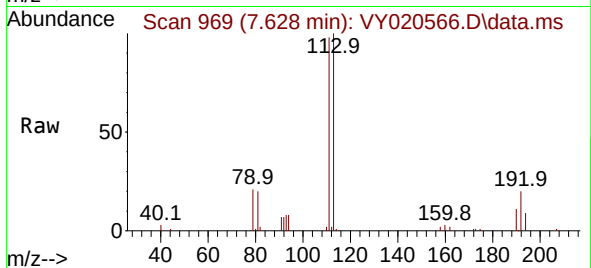
88 16.9 0.0 32.0



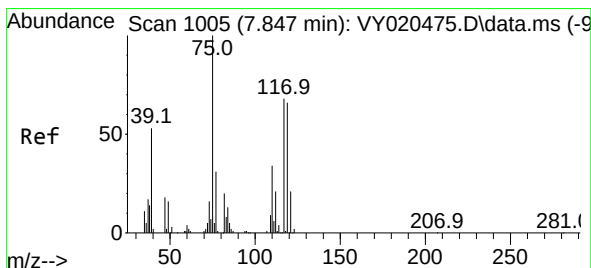
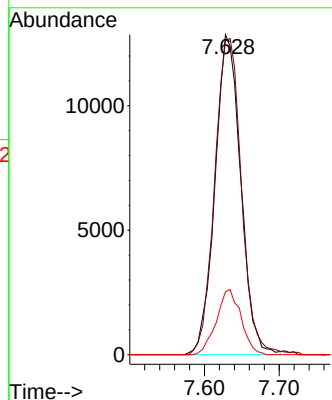
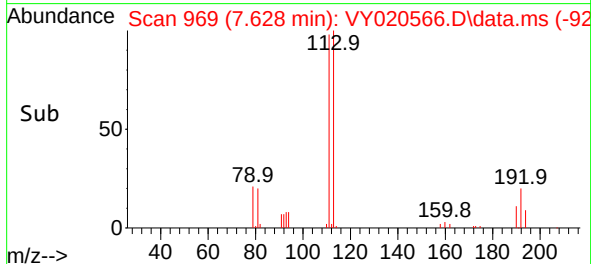


#35
Dibromofluoromethane
Concen: 49.971 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.018 min
Lab File: VY020566.D
Acq: 10 Dec 2024 13:49

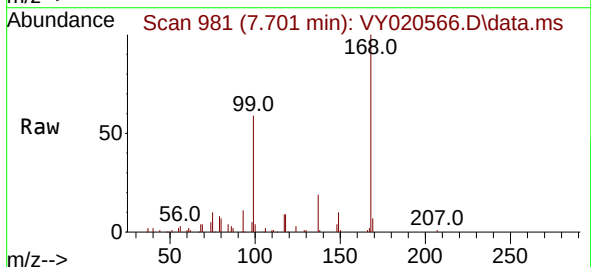
Instrument :
MSVOA_Y
ClientSampleId :



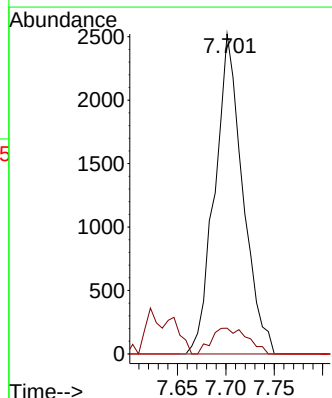
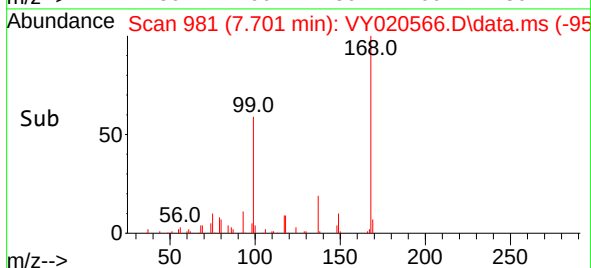
Tgt Ion:113 Resp: 30726
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.0
192 19.4 15.1 22.7

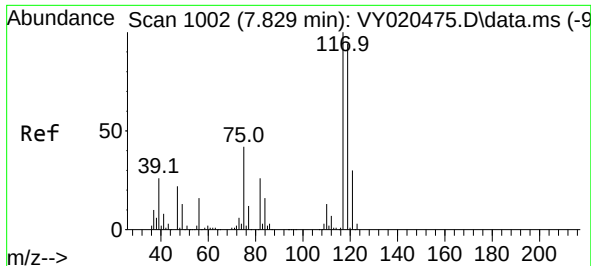


#36
1,1-Dichloropropene
Concen: 4.871 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.146 min
Lab File: VY020566.D
Acq: 10 Dec 2024 13:49



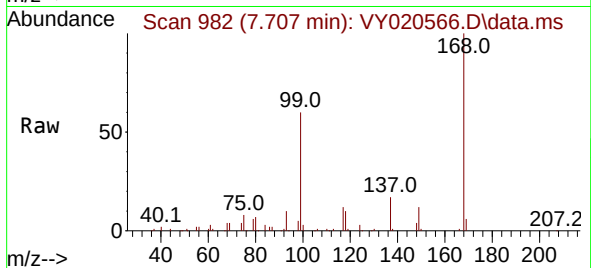
Tgt Ion: 75 Resp: 5058
Ion Ratio Lower Upper
75 100
110 10.4 16.7 50.0#
77 0.0 24.6 36.8#



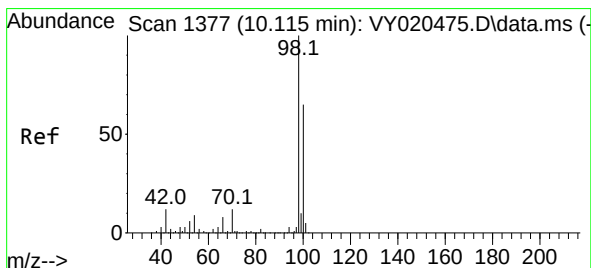
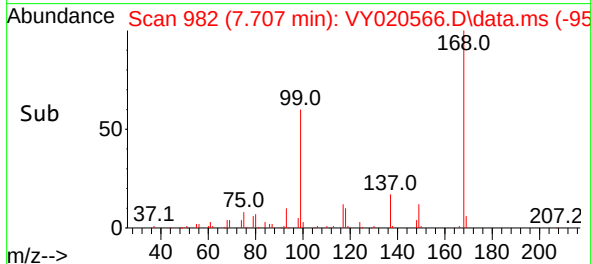
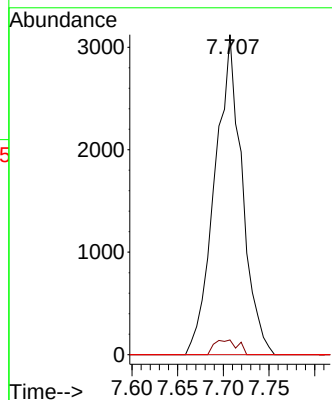


#38
Carbon Tetrachloride
Concen: 5.225 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY020566.D
Acq: 10 Dec 2024 13:49

Instrument :
MSVOA_Y
ClientSampleId :

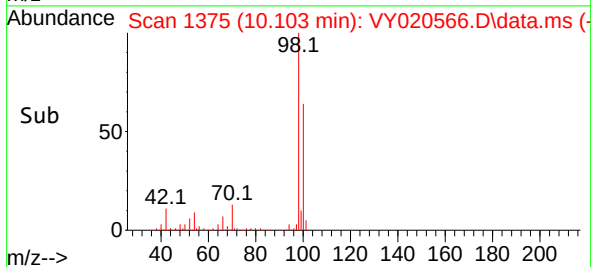
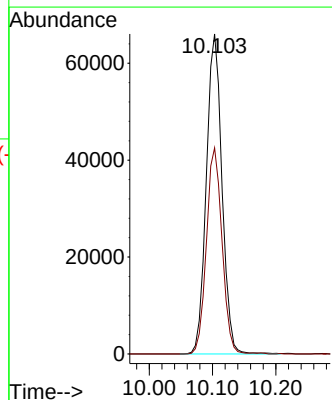
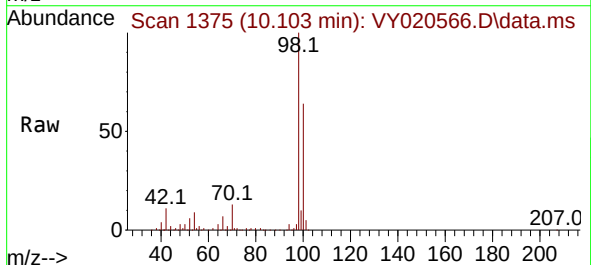


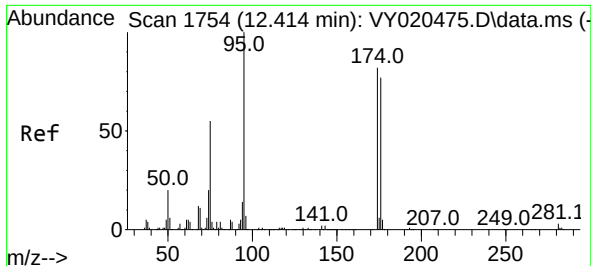
Tgt Ion:117 Resp: 6475
Ion Ratio Lower Upper
117 100
119 4.6 77.8 116.6#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 48.548 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.012 min
Lab File: VY020566.D
Acq: 10 Dec 2024 13:49

Tgt Ion: 98 Resp: 113669
Ion Ratio Lower Upper
98 100
100 64.0 51.3 76.9





#62

4-Bromofluorobenzene

Concen: 37.682 ug/l

RT: 12.402 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY020566.D

Acq: 10 Dec 2024 13:49

Instrument :

MSVOA_Y

ClientSampleId :

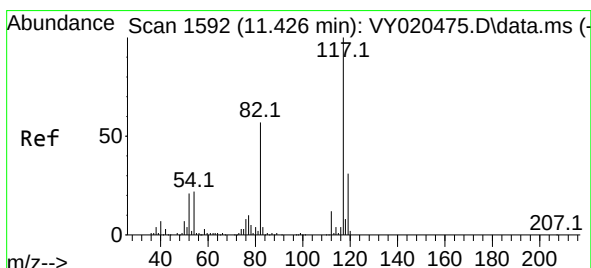
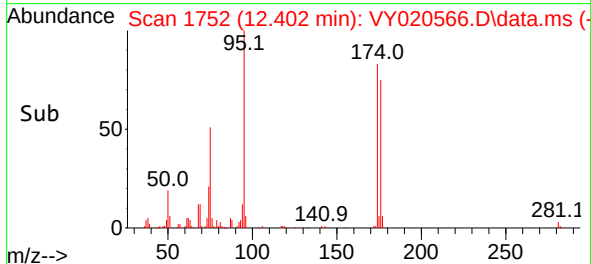
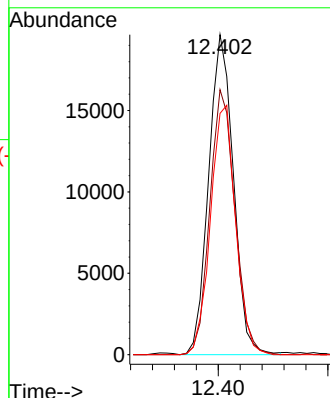
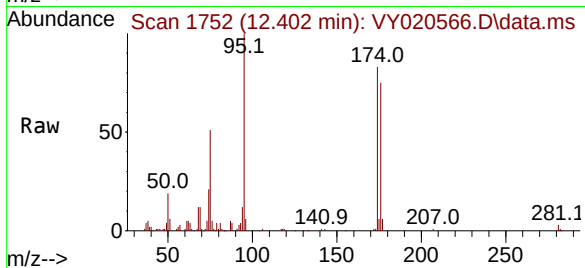
Tgt Ion: 95 Resp: 30857

Ion Ratio Lower Upper

95 100

174 83.9 0.0 156.8

176 79.0 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: VY020566.D

Acq: 10 Dec 2024 13:49

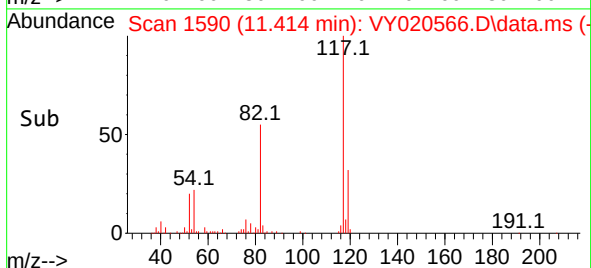
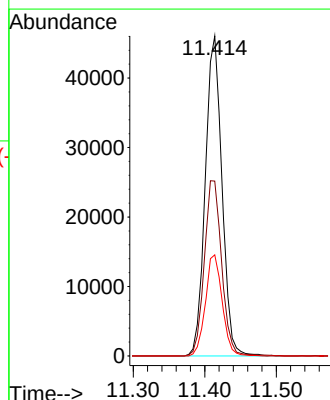
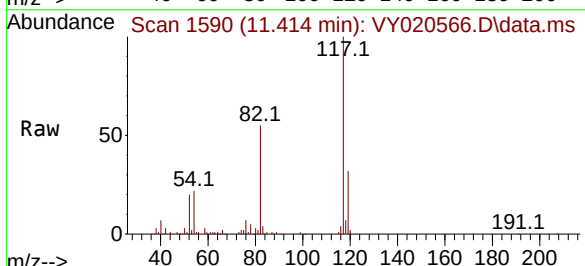
Tgt Ion: 117 Resp: 74660

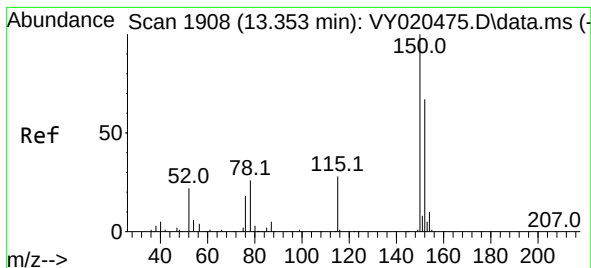
Ion Ratio Lower Upper

117 100

82 54.7 48.2 72.4

119 31.6 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: VY020566.D

Acq: 10 Dec 2024 13:49

Instrument :

MSVOA_Y

ClientSampleId :

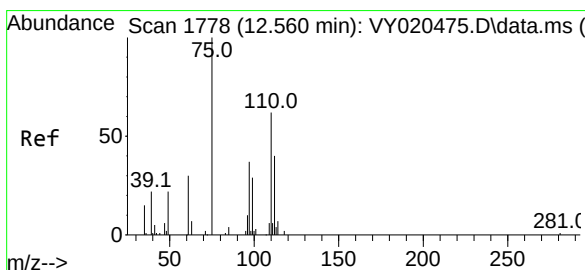
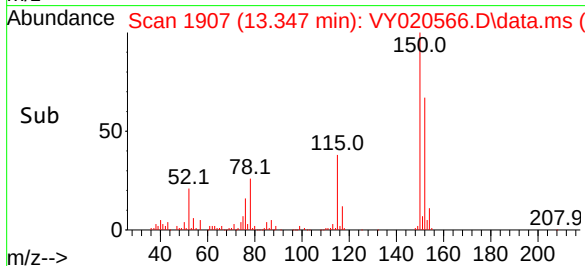
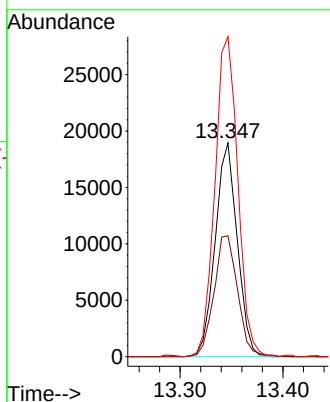
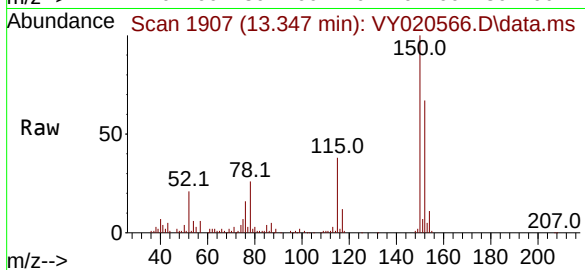
Tgt Ion:152 Resp: 28244

Ion Ratio Lower Upper

152 100

115 60.6 30.0 90.0

150 155.2 0.0 348.2



#76

1,2,3-Trichloropropane

Concen: 56.458 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY020566.D

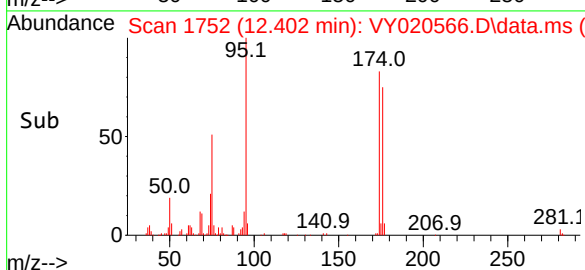
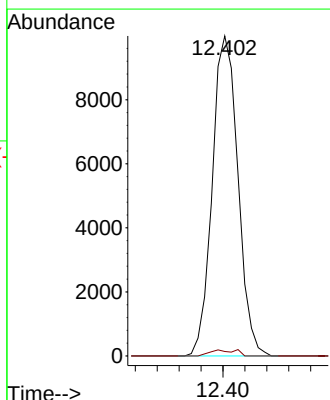
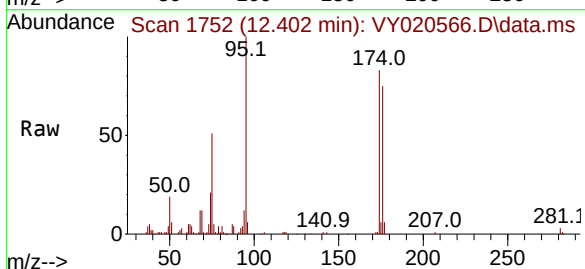
Acq: 10 Dec 2024 13:49

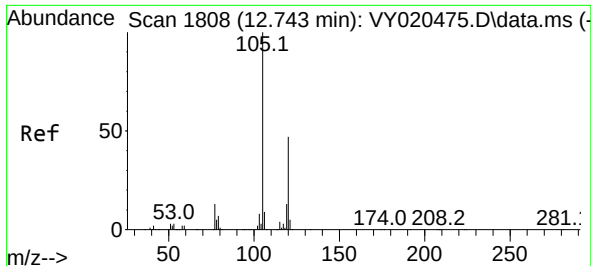
Tgt Ion: 75 Resp: 16244

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#

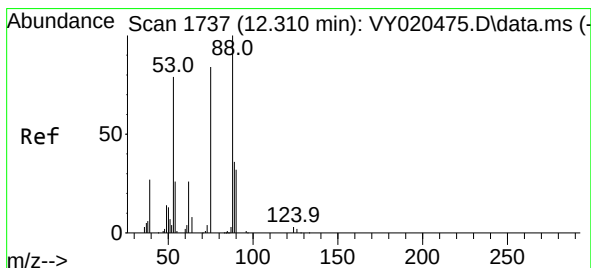
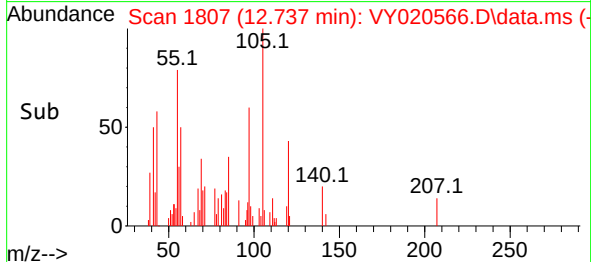
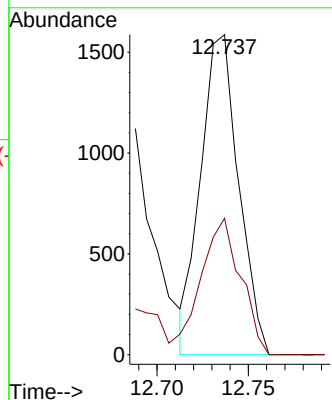
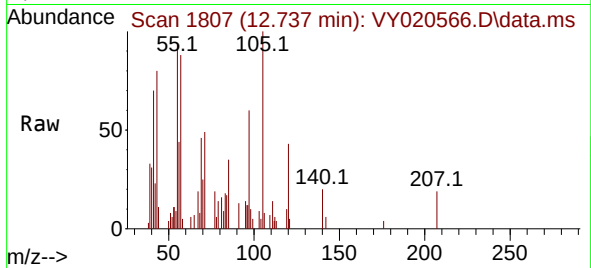




#80
 1,3,5-Trimethylbenzene
 Concen: 1.047 ug/l
 RT: 12.737 min Scan# 1752
 Delta R.T. -0.006 min
 Lab File: VY020566.D
 Acq: 10 Dec 2024 13:49

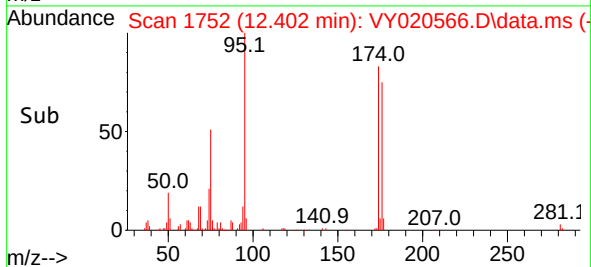
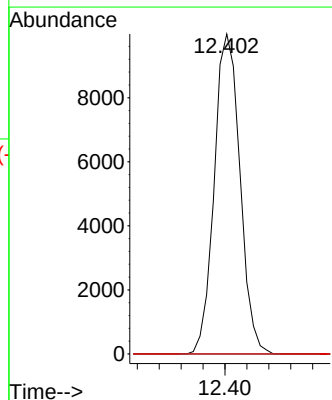
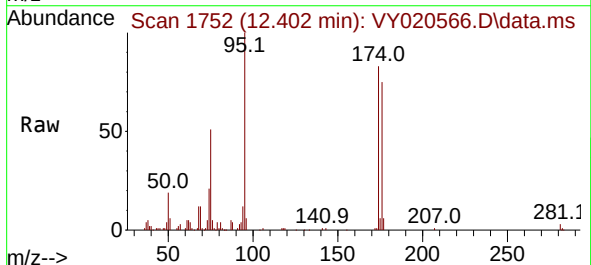
Instrument :
 MSVOA_Y
 ClientSampleId :

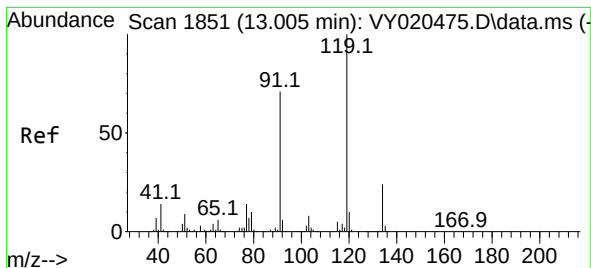
Tgt Ion:105 Resp: 2293
 Ion Ratio Lower Upper
 105 100
 120 45.0 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.844 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. 0.092 min
 Lab File: VY020566.D
 Acq: 10 Dec 2024 13:49

Tgt Ion: 75 Resp: 16244
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.1 121.7#
 89 0.0 35.1 52.7#





#83

tert-Butylbenzene

Concen: 1.012 ug/l

RT: 13.237 min Scan# 119

Delta R.T. 0.232 min

Lab File: VY020566.D

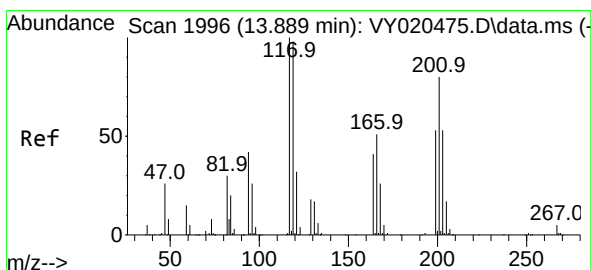
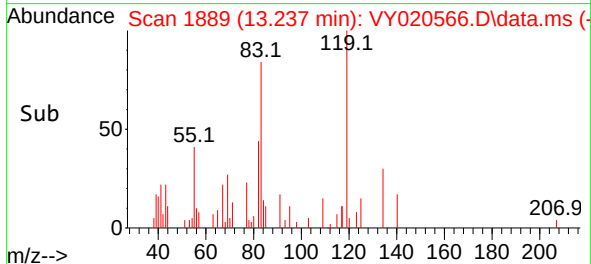
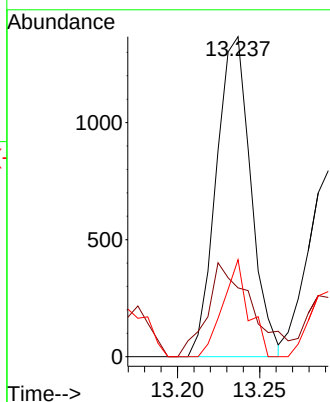
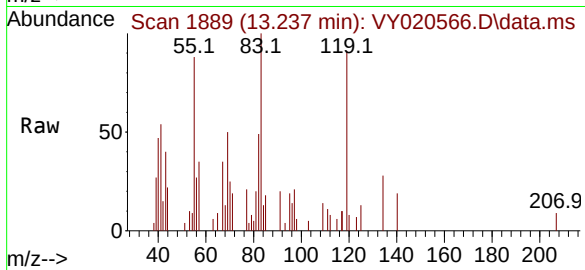
Acq: 10 Dec 2024 13:49

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	119	Resp:	2004
Ion Ratio	Lower	Upper	
119	100		
91	38.0	33.3	99.9
134	22.7	13.0	38.9



#90

Hexachloroethane

Concen: 1.670 ug/l

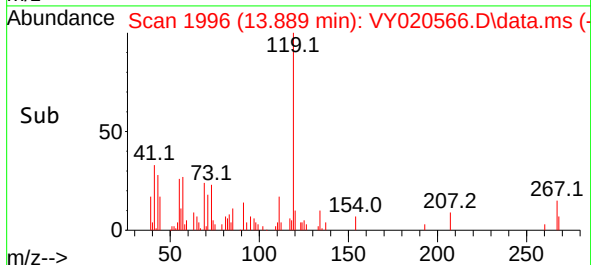
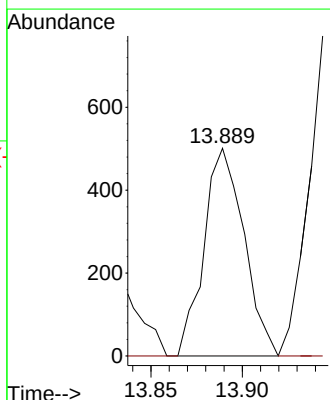
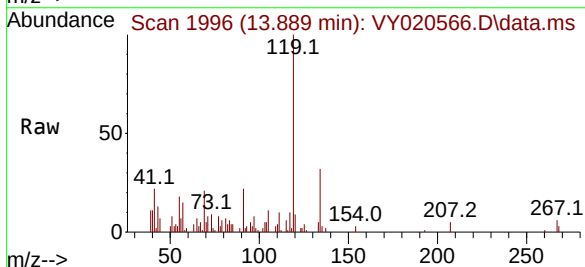
RT: 13.889 min Scan# 1996

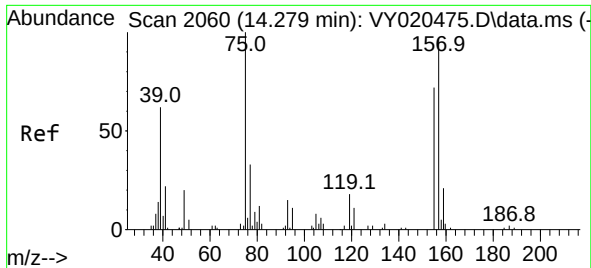
Delta R.T. 0.000 min

Lab File: VY020566.D

Acq: 10 Dec 2024 13:49

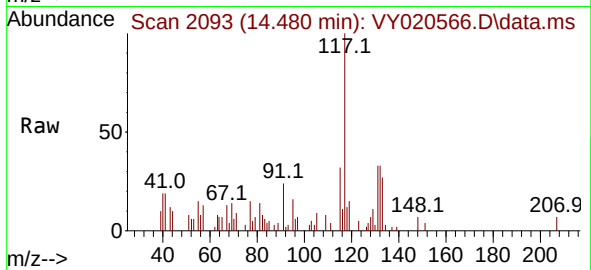
Tgt Ion:	117	Resp:	763
Ion Ratio	Lower	Upper	
117	100		
201	0.0	37.1	111.3#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.294 ug/l
 RT: 14.480 min Scan# 2060
 Delta R.T. 0.201 min
 Lab File: VY020566.D
 Acq: 10 Dec 2024 13:49

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 77
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.7 119.1#
 157 0.0 52.6 157.8#

