

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
 Data File : VY020743.D
 Acq On : 27 Dec 2024 16:44
 Operator : SY/MD
 Sample : P5318-01RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 28 03:05:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 26 16:12:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	12108	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.616	114	16387	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	11087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	3162	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	4549	45.868	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.740%
35) Dibromofluoromethane	7.640	113	4835	53.566	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.140%
50) Toluene-d8	10.109	98	17278	48.201	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.400%
62) 4-Bromofluorobenzene	12.408	95	4075	33.971	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	67.940%

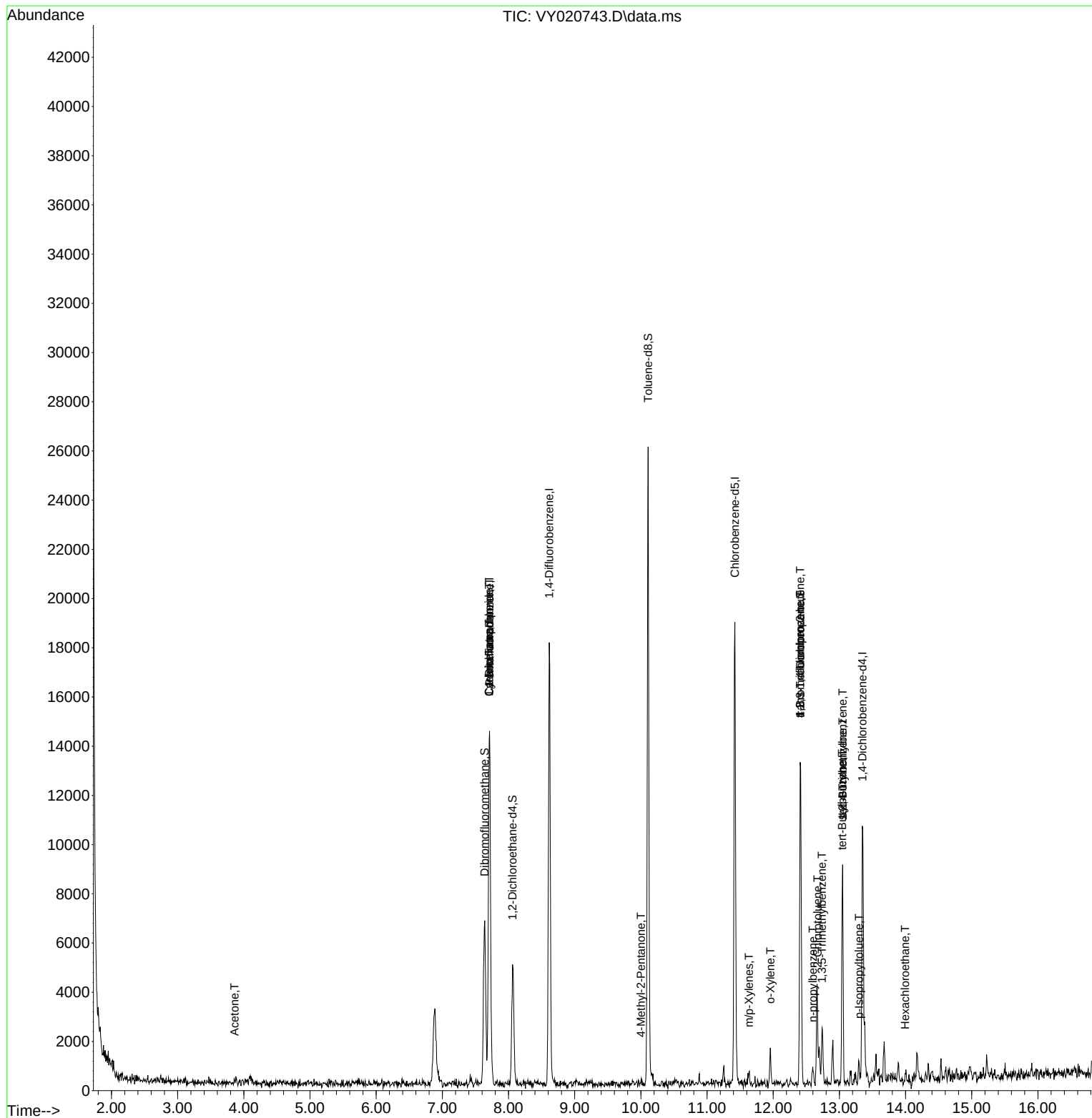
Target Compounds						Qvalue
16) Acetone	3.860	43	187	14.863	ug/l #	43
31) Cyclohexane	7.707	56	131	1.028	ug/l #	40
36) 1,1-Dichloropropene	7.707	75	754	6.324	ug/l #	49
38) Carbon Tetrachloride	7.707	117	1168	5.949	ug/l #	13
51) 4-Methyl-2-Pentanone	10.000	43	191	4.738	ug/l #	32
68) m/p-Xylenes	11.633	106	211	1.458	ug/l	98
69) o-Xylene	11.957	106	442	3.196	ug/l	81
76) 1,2,3-Trichloropropane	12.408	75	2056	102.234	ug/l #	100
78) n-propylbenzene	12.597	91	849	3.458	ug/l	99
79) 2-Chlorotoluene	12.670	91	431	3.079	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.737	105	1058	5.797	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.408	75	2056	202.076	ug/l #	8
83) tert-Butylbenzene	13.042	119	572	3.356	ug/l #	49
84) 1,2,4-Trimethylbenzene	13.048	105	4995	28.123	ug/l	100
85) sec-Butylbenzene	13.048	105	4995	21.744	ug/l #	55
86) p-Isopropyltoluene	13.298	119	613	2.994	ug/l	92
90) Hexachloroethane	13.993	117	53	1.361	ug/l #	5

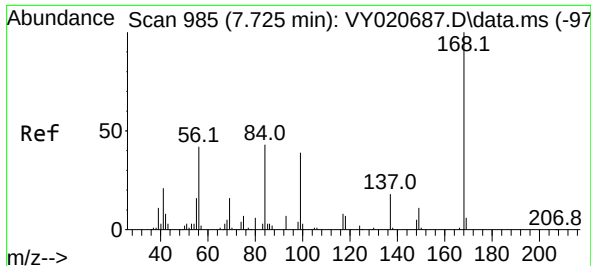
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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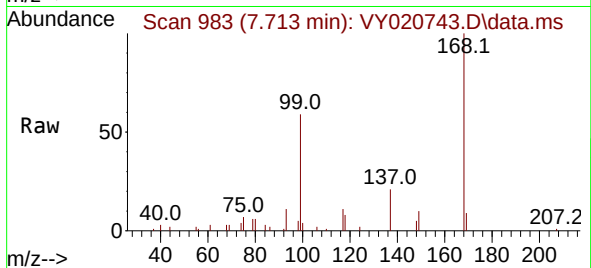
Quant Time: Dec 28 03:05:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
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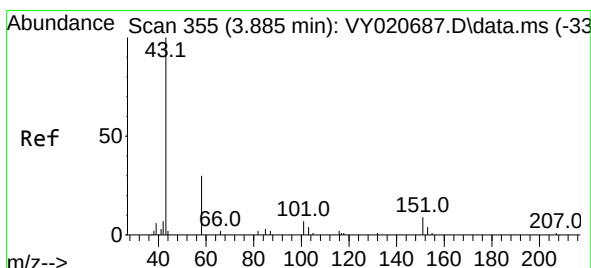
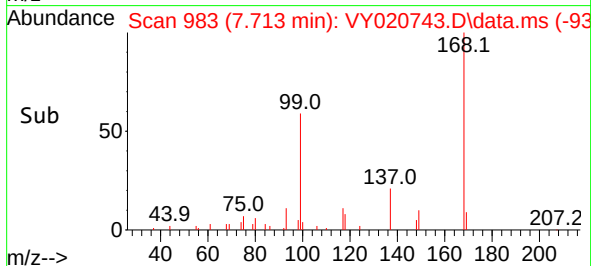
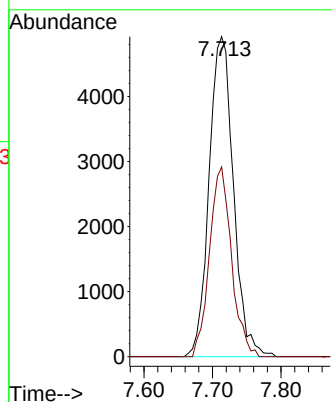


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020743.D
Acq: 27 Dec 2024 16:44

Instrument :
MSVOA_Y
ClientSampleId :

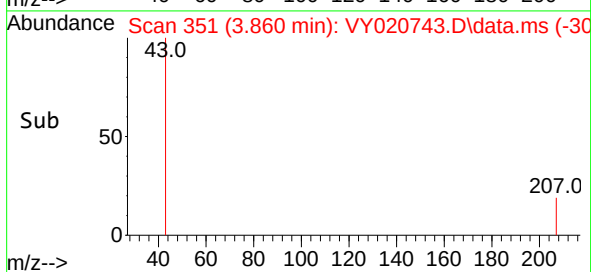
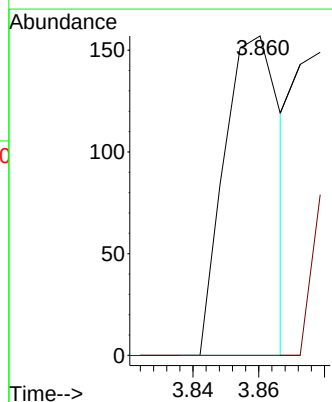
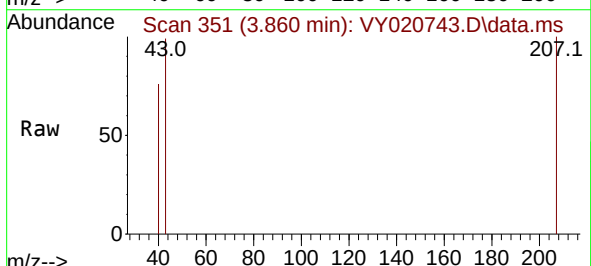


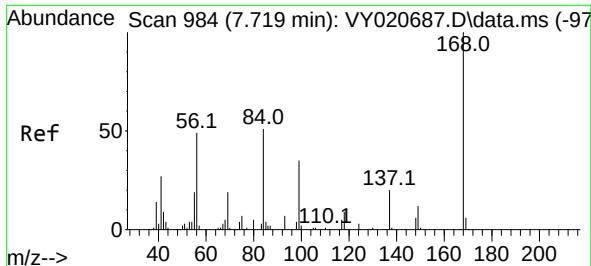
Tgt Ion:168 Resp: 12108
Ion Ratio Lower Upper
168 100
99 59.3 43.8 65.6



#16
Acetone
Concen: 14.863 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.025 min
Lab File: VY020743.D
Acq: 27 Dec 2024 16:44

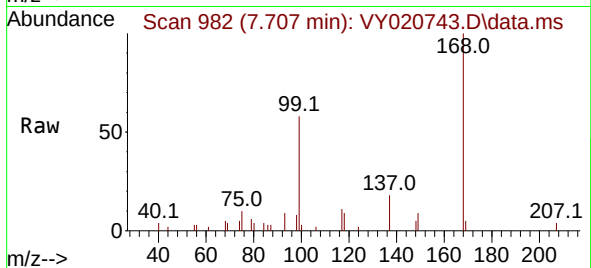
Tgt Ion: 43 Resp: 187
Ion Ratio Lower Upper
43 100
58 0.0 25.0 37.6#



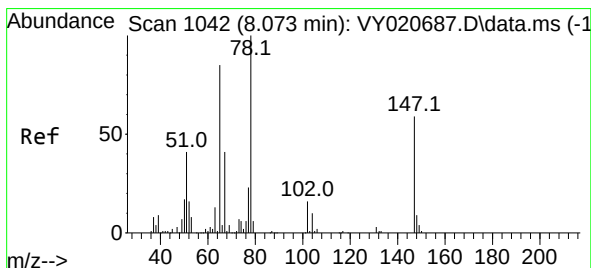
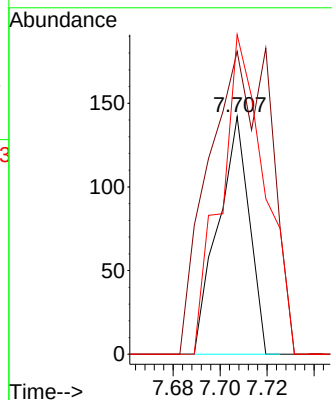
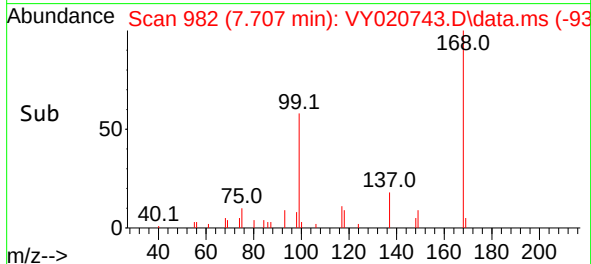


#31
Cyclohexane
Concen: 1.028 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020743.D
Acq: 27 Dec 2024 16:44

Instrument :
MSVOA_Y
ClientSampleId :

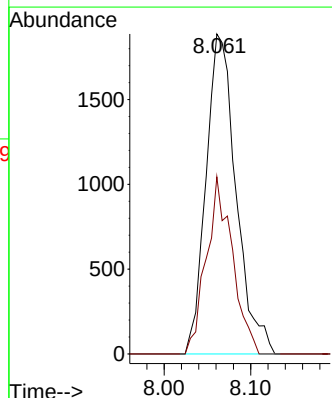
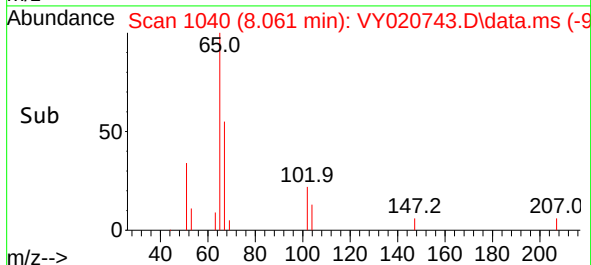
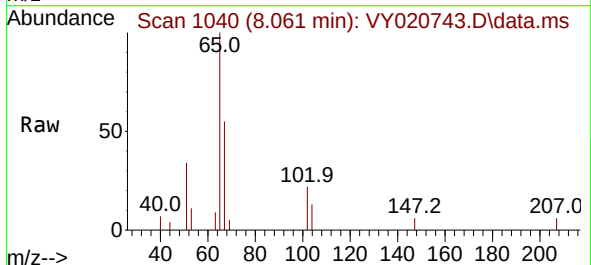


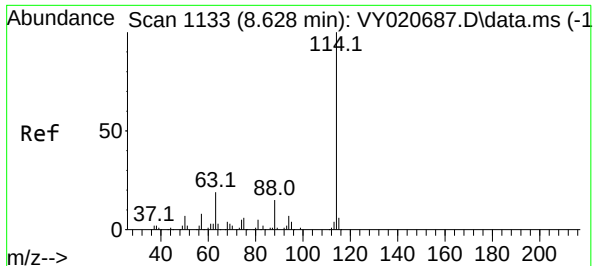
Tgt Ion: 56 Resp: 131
Ion Ratio Lower Upper
56 100
69 127.5 31.3 46.9#
84 134.5 83.9 125.9#



#33
1,2-Dichloroethane-d4
Concen: 45.868 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VY020743.D
Acq: 27 Dec 2024 16:44

Tgt Ion: 65 Resp: 4549
Ion Ratio Lower Upper
65 100
67 48.0 0.0 98.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1133

Delta R.T. -0.012 min

Lab File: VY020743.D

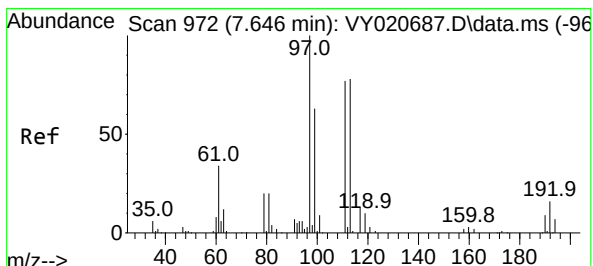
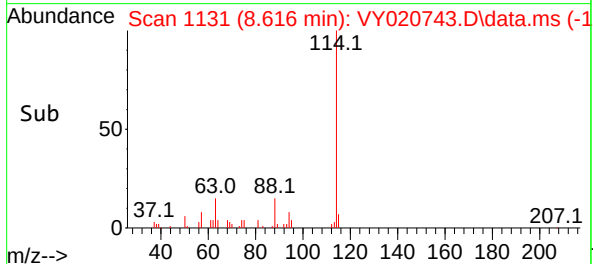
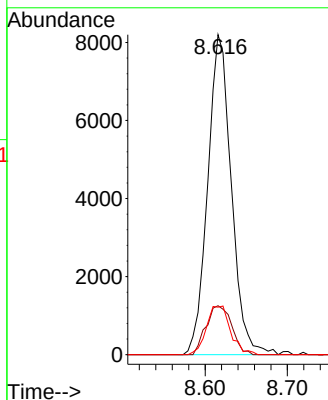
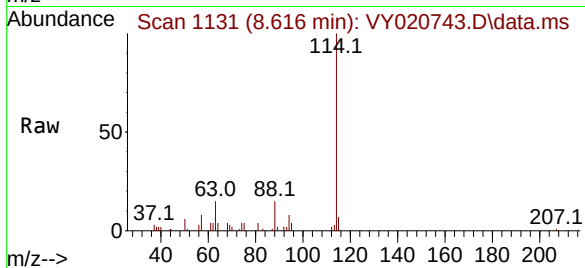
Acq: 27 Dec 2024 16:44

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	16387
Ion	Ratio	Lower Upper
114	100	
63	15.3	0.0 38.4
88	14.9	0.0 30.4



#35

Dibromofluoromethane

Concen: 53.566 ug/l

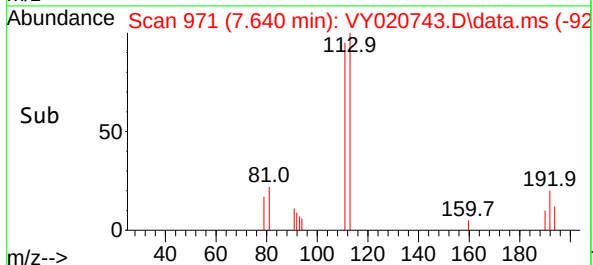
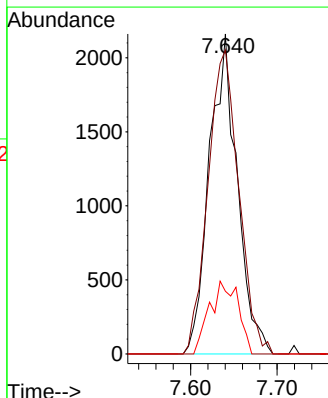
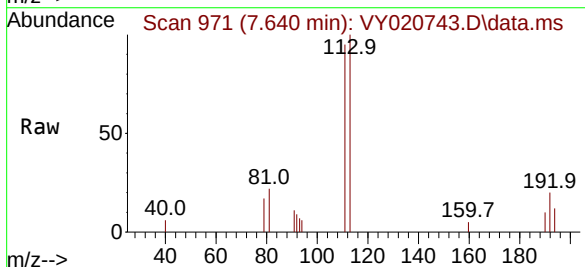
RT: 7.640 min Scan# 971

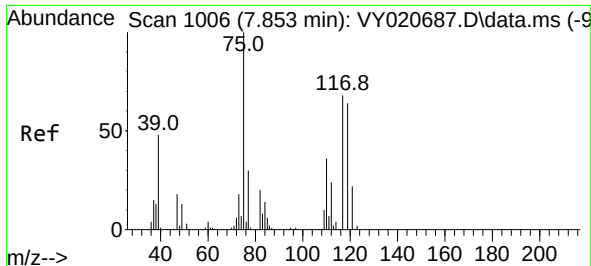
Delta R.T. -0.006 min

Lab File: VY020743.D

Acq: 27 Dec 2024 16:44

Tgt Ion:113	Resp:	4835
Ion	Ratio	Lower Upper
113	100	
111	104.7	79.8 119.8
192	23.3	17.0 25.6





#36

1,1-Dichloropropene

Concen: 6.324 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.146 min

Lab File: VY020743.D

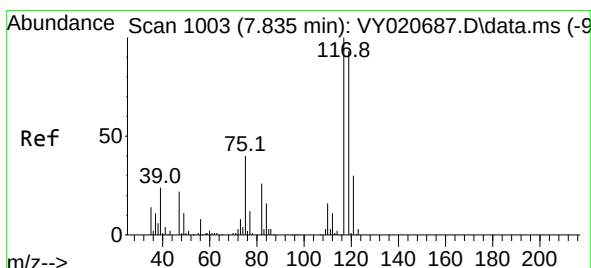
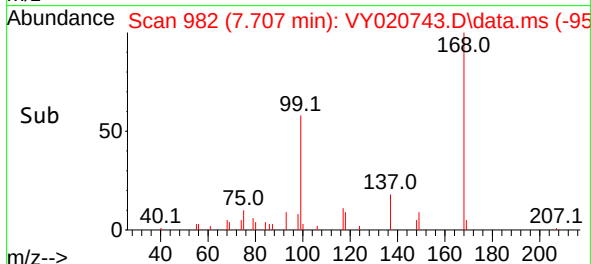
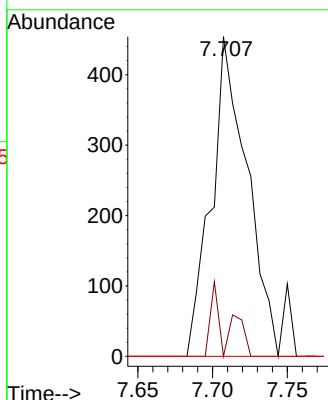
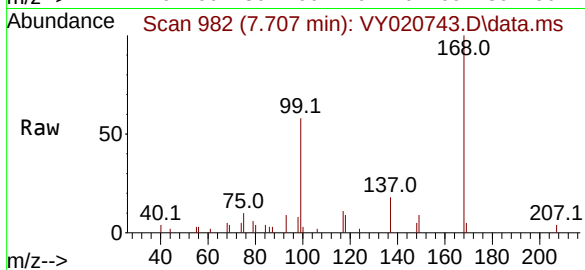
Acq: 27 Dec 2024 16:44

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp:	754
Ion Ratio	Lower	Upper
75	100	
110	10.5	19.6 58.7#
77	0.0	25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.949 ug/l

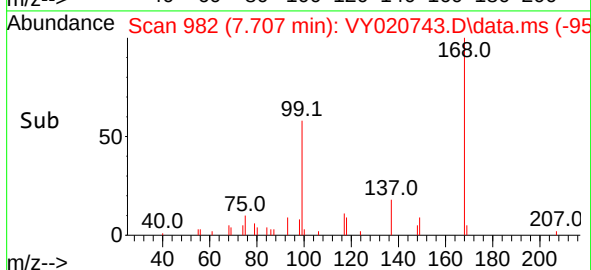
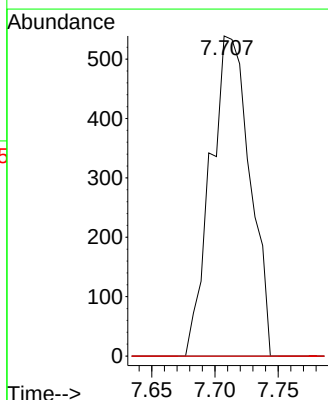
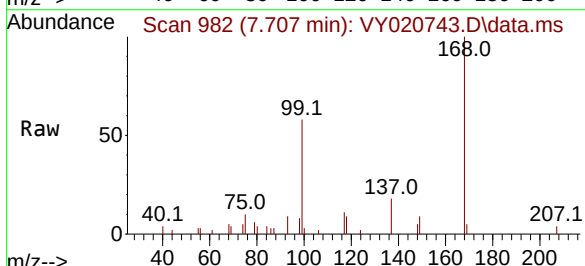
RT: 7.707 min Scan# 982

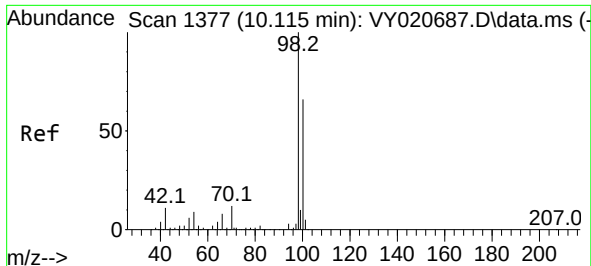
Delta R.T. -0.128 min

Lab File: VY020743.D

Acq: 27 Dec 2024 16:44

Tgt Ion: 117	Resp:	1168
Ion Ratio	Lower	Upper
117	100	
119	0.0	74.4 111.6#
121	0.0	24.2 36.2#

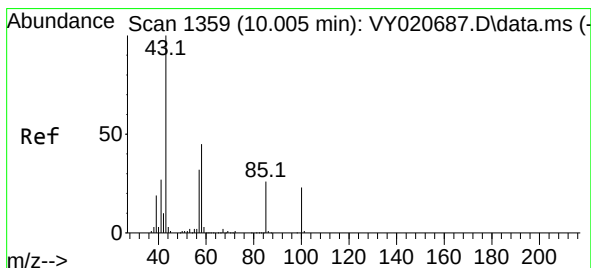
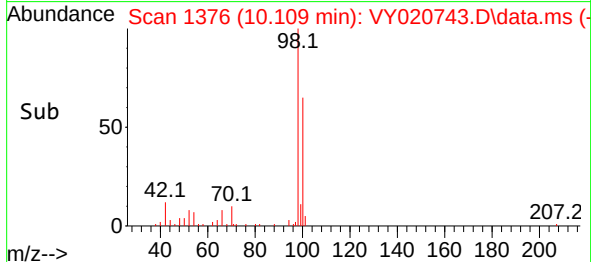
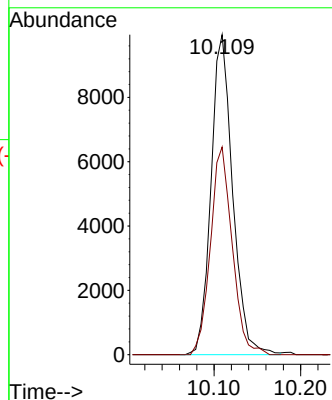
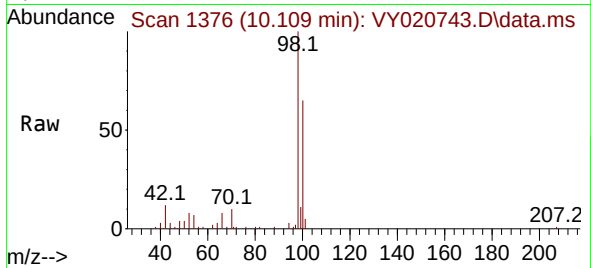




#50
Toluene-d8
Concen: 48.201 ug/l
RT: 10.109 min Scan# 1377
Delta R.T. -0.006 min
Lab File: VY020743.D
Acq: 27 Dec 2024 16:44

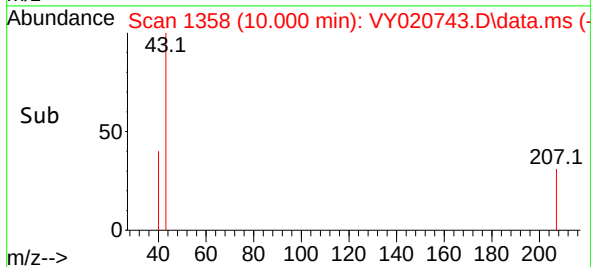
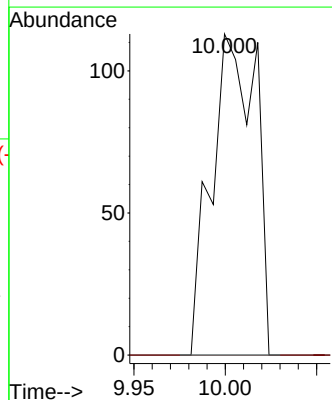
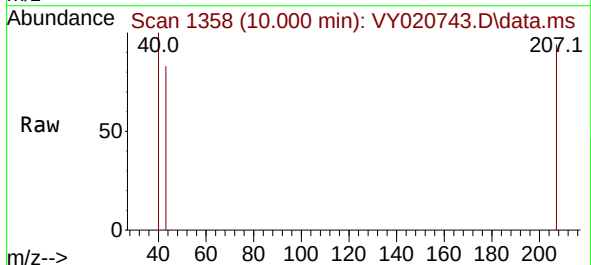
Instrument :
MSVOA_Y
ClientSampleId :

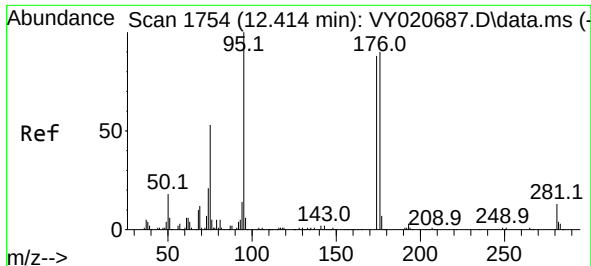
Tgt Ion: 98 Resp: 17278
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 4.738 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. -0.005 min
Lab File: VY020743.D
Acq: 27 Dec 2024 16:44

Tgt Ion: 43 Resp: 191
Ion Ratio Lower Upper
43 100
58 0.0 35.1 52.7#

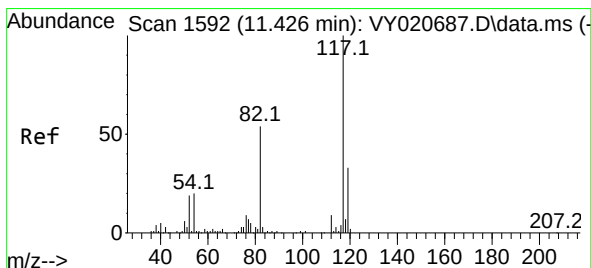
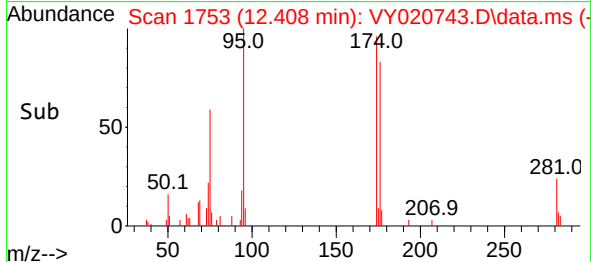
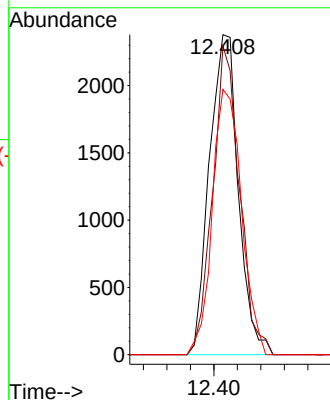
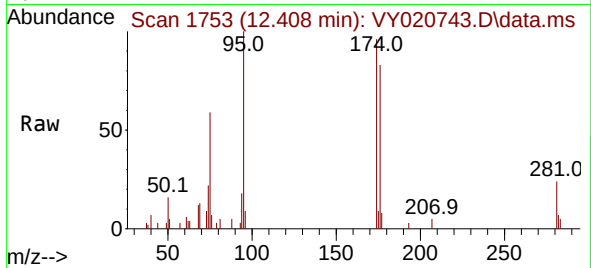




#62
4-Bromofluorobenzene
Concen: 33.971 ug/l
RT: 12.408 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020743.D
Acq: 27 Dec 2024 16:44

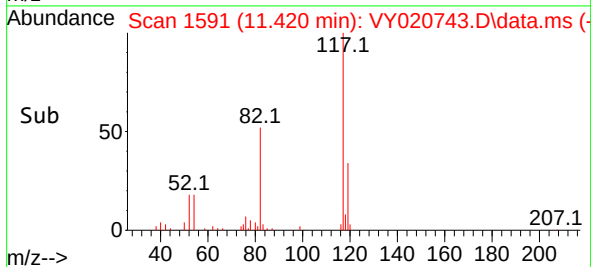
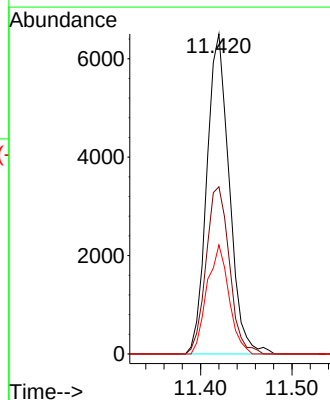
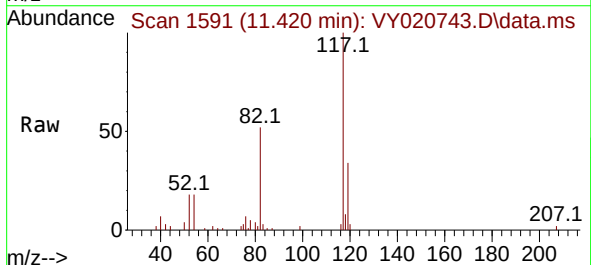
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MSVOA_Y
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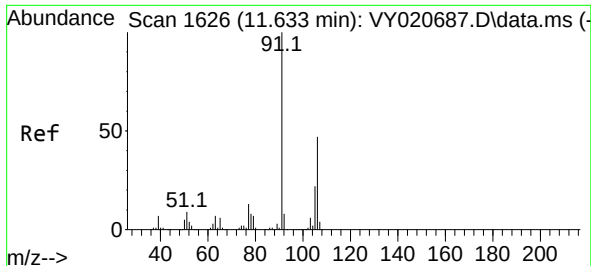
Tgt Ion: 95 Resp: 4075
Ion Ratio Lower Upper
95 100
174 89.4 0.0 179.2
176 83.5 0.0 179.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.006 min
Lab File: VY020743.D
Acq: 27 Dec 2024 16:44

Tgt Ion: 117 Resp: 11087
Ion Ratio Lower Upper
117 100
82 52.2 43.4 65.2
119 34.1 26.6 39.8

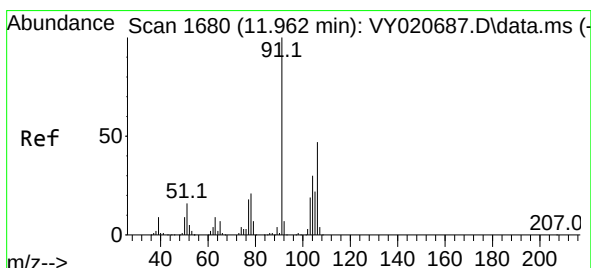
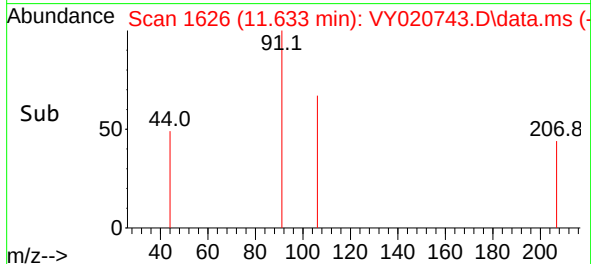
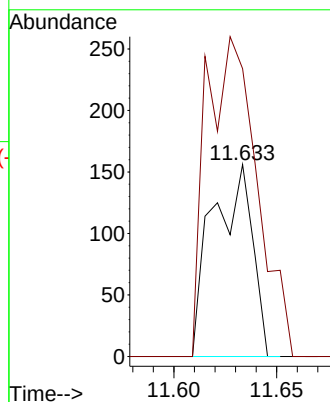
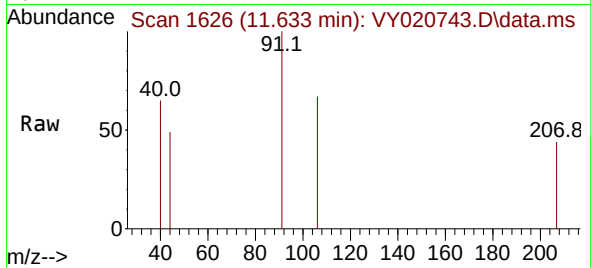




#68
m/p-Xylenes
Concen: 1.458 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020743.D
Acq: 27 Dec 2024 16:44

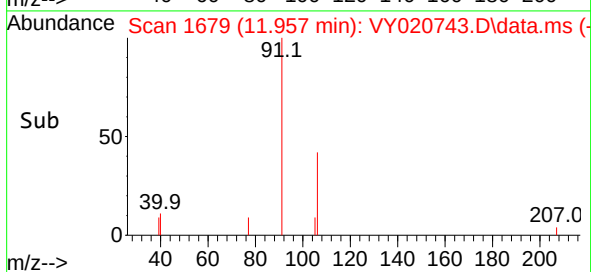
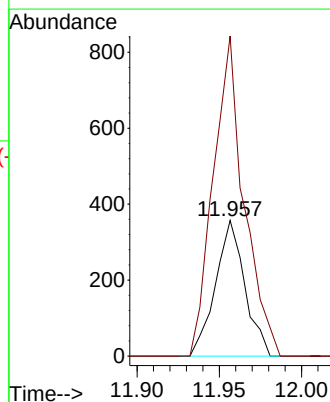
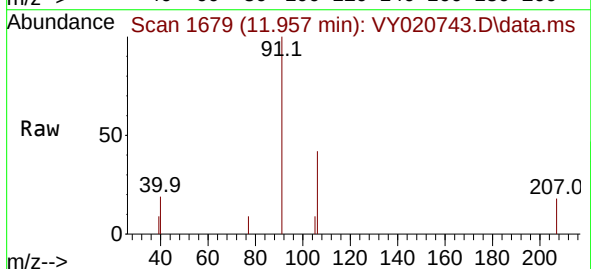
Instrument :
MSVOA_Y
ClientSampleId :

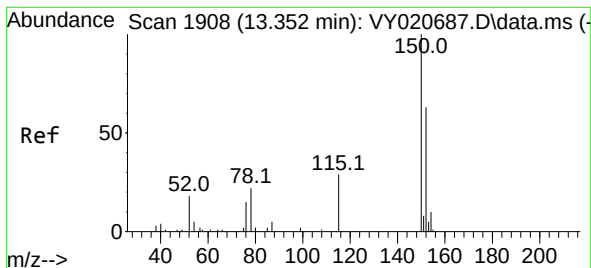
Tgt Ion:106 Resp: 211
Ion Ratio Lower Upper
106 100
91 210.9 166.6 250.0



#69
o-Xylene
Concen: 3.196 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. -0.005 min
Lab File: VY020743.D
Acq: 27 Dec 2024 16:44

Tgt Ion:106 Resp: 442
Ion Ratio Lower Upper
106 100
91 248.0 108.6 325.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1908

Delta R.T. -0.005 min

Lab File: VY020743.D

Acq: 27 Dec 2024 16:44

Instrument :

MSVOA_Y

ClientSampleId :

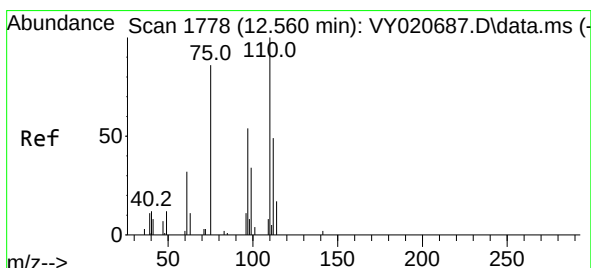
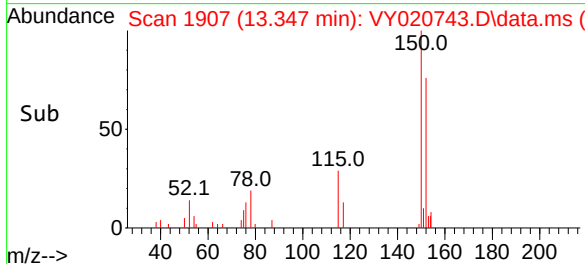
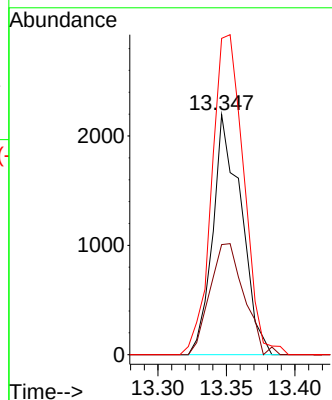
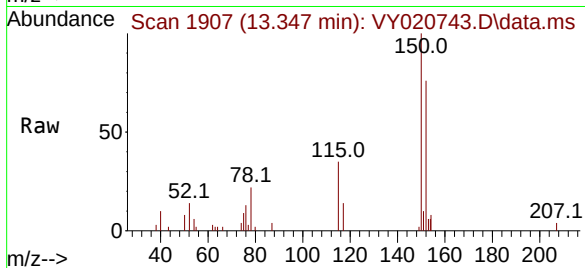
Tgt Ion:152 Resp: 3162

Ion Ratio Lower Upper

152 100

115 55.6 30.3 90.9

150 150.0 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 102.234 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY020743.D

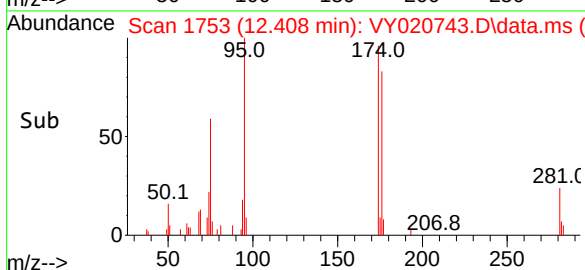
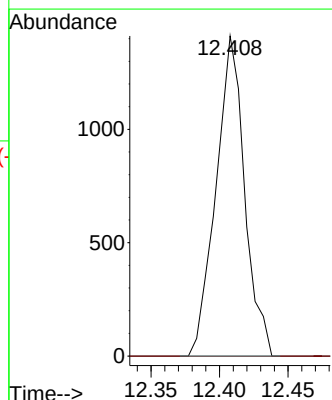
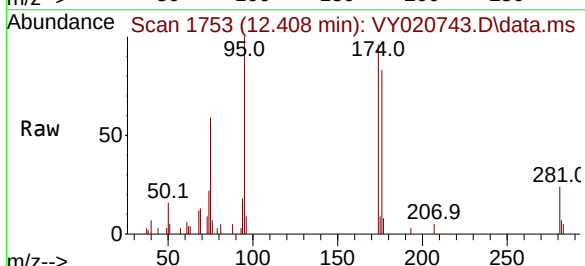
Acq: 27 Dec 2024 16:44

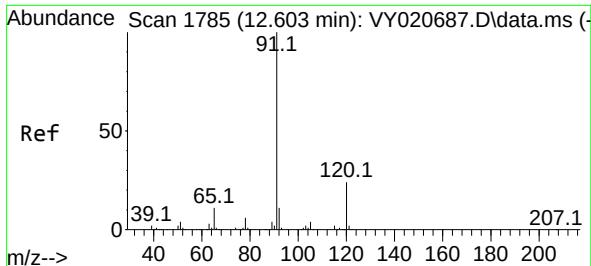
Tgt Ion: 75 Resp: 2056

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

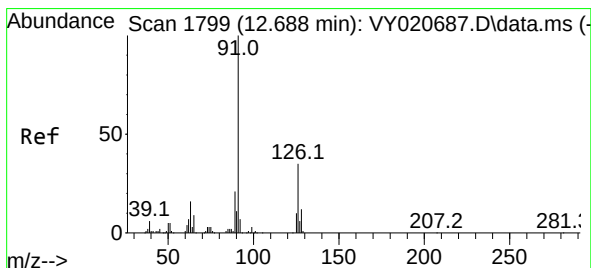
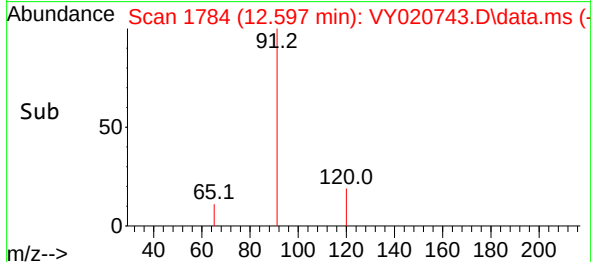
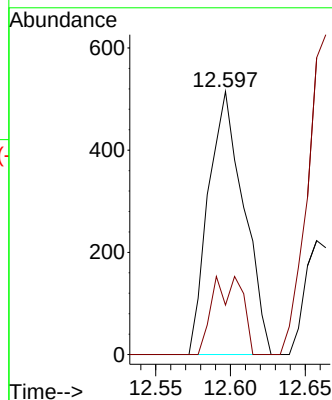
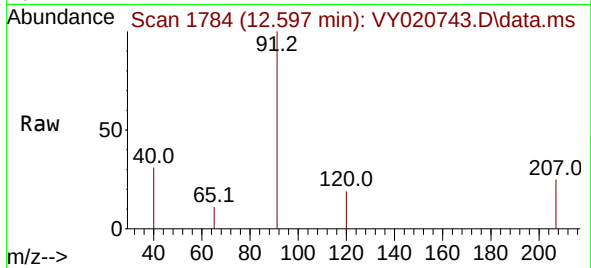




#78
n-propylbenzene
Concen: 3.458 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VY020743.D
Acq: 27 Dec 2024 16:44

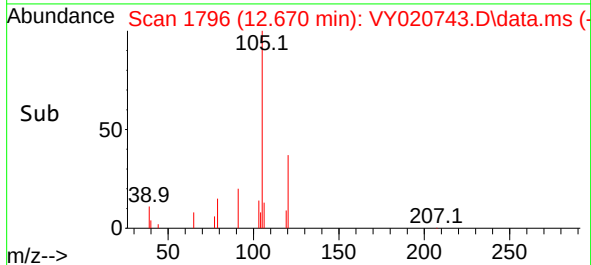
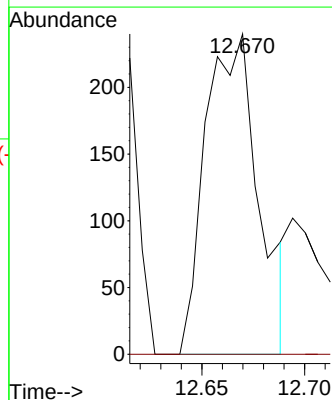
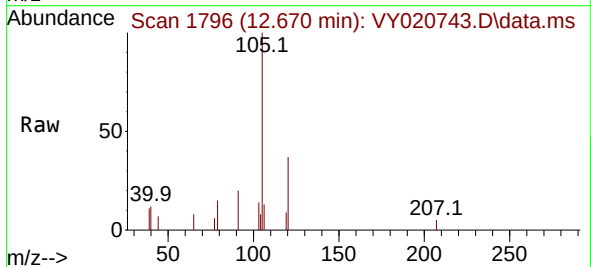
Instrument :
MSVOA_Y
ClientSampleId :

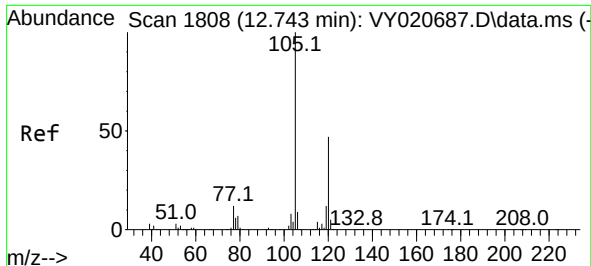
Tgt Ion: 91 Resp: 849
Ion Ratio Lower Upper
91 100
120 25.0 12.3 36.8



#79
2-Chlorotoluene
Concen: 3.079 ug/l
RT: 12.670 min Scan# 1796
Delta R.T. -0.018 min
Lab File: VY020743.D
Acq: 27 Dec 2024 16:44

Tgt Ion: 91 Resp: 431
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.3#

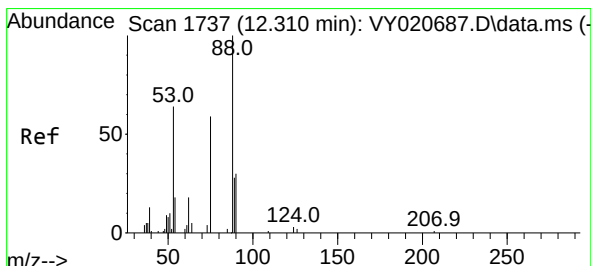
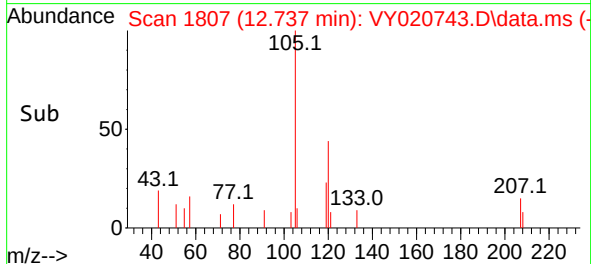
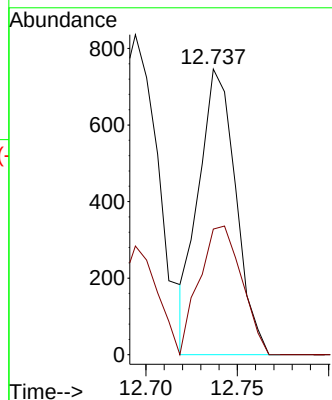
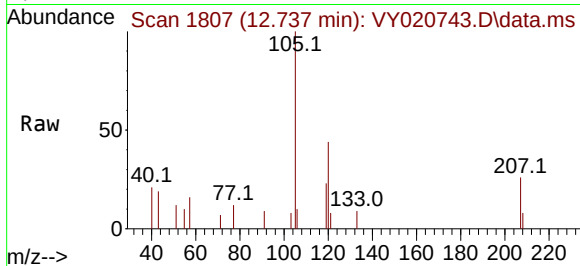




#80
 1,3,5-Trimethylbenzene
 Concen: 5.797 ug/l
 RT: 12.737 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VY020743.D
 Acq: 27 Dec 2024 16:44

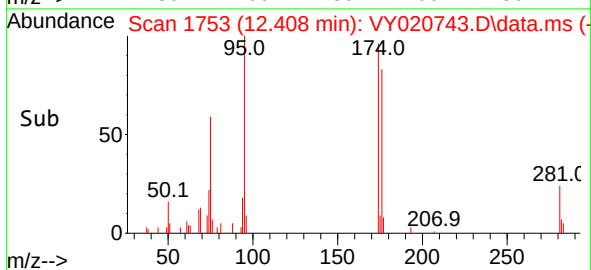
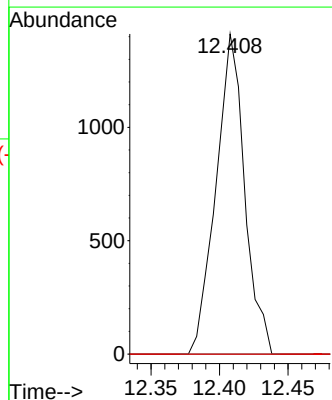
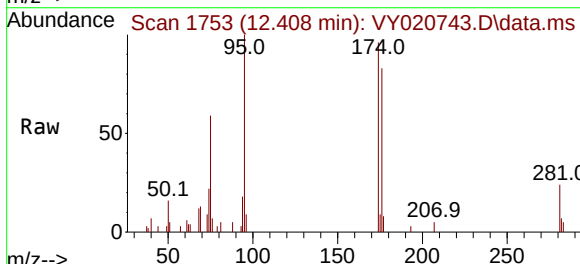
Instrument :
 MSVOA_Y
 ClientSampleId :

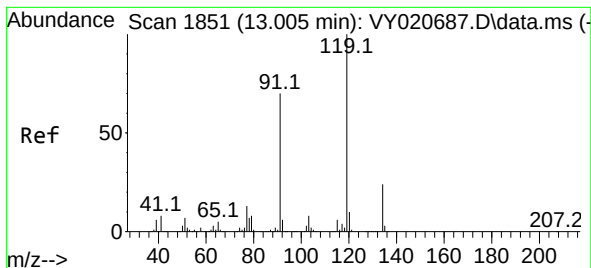
Tgt Ion:105 Resp: 1058
 Ion Ratio Lower Upper
 105 100
 120 51.4 23.9 71.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 202.076 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.098 min
 Lab File: VY020743.D
 Acq: 27 Dec 2024 16:44

Tgt Ion: 75 Resp: 2056
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.1 124.7#
 89 0.0 40.6 61.0#





#83

tert-Butylbenzene

Concen: 3.356 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.037 min

Lab File: VY020743.D

Acq: 27 Dec 2024 16:44

Instrument :

MSVOA_Y

ClientSampleId :

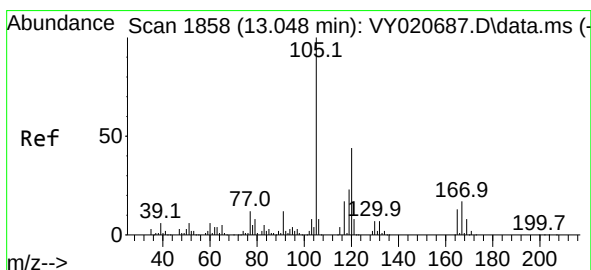
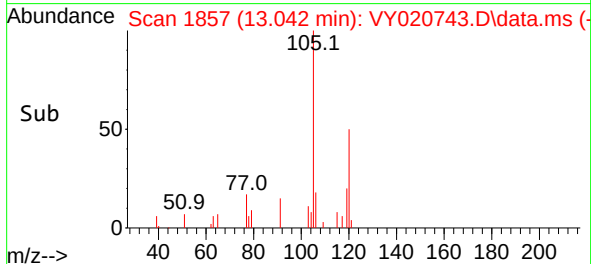
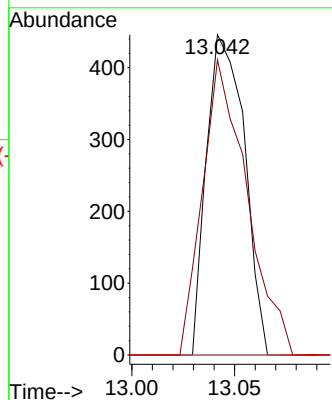
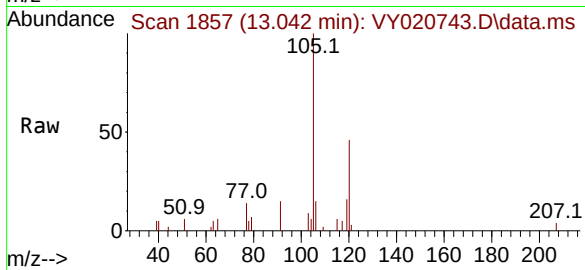
Tgt Ion:119 Resp: 572

Ion Ratio Lower Upper

119 100

91 107.9 33.6 100.8#

134 0.0 13.4 40.2#



#84

1,2,4-Trimethylbenzene

Concen: 28.123 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. -0.000 min

Lab File: VY020743.D

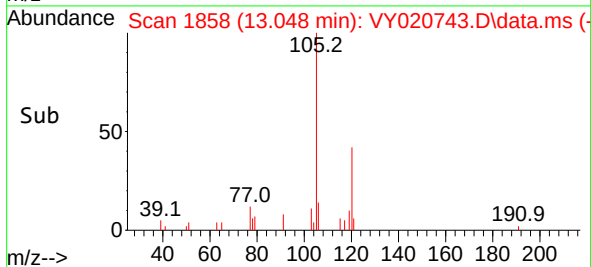
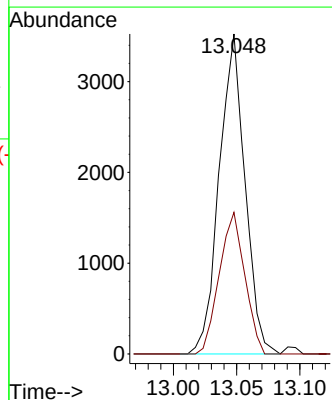
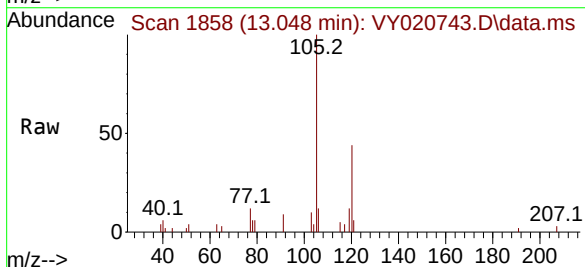
Acq: 27 Dec 2024 16:44

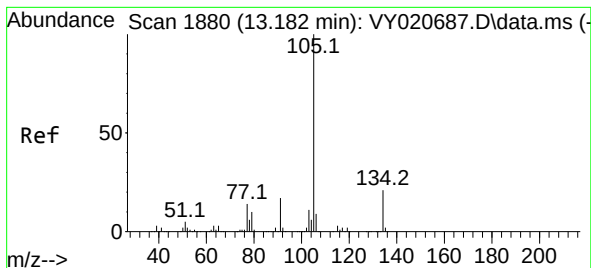
Tgt Ion:105 Resp: 4995

Ion Ratio Lower Upper

105 100

120 43.7 21.8 65.3





#85

sec-Butylbenzene

Concen: 21.744 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. -0.134 min

Lab File: VY020743.D

Acq: 27 Dec 2024 16:44

Instrument :

MSVOA_Y

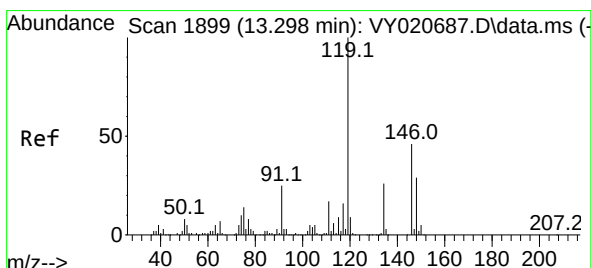
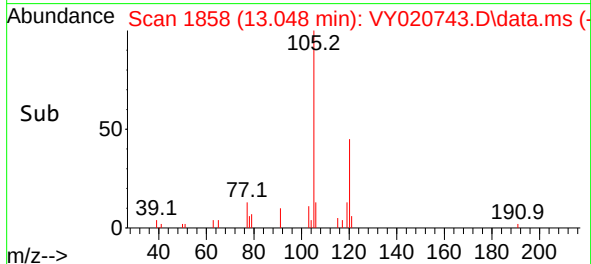
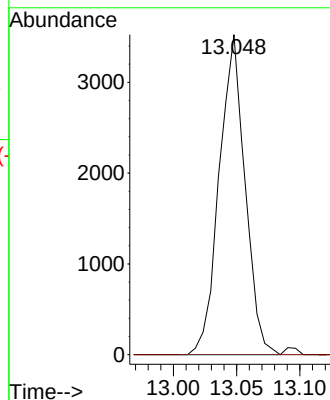
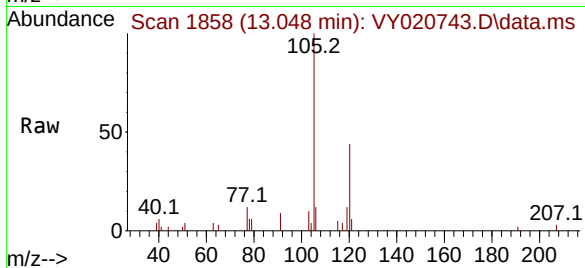
ClientSampleId :

Tgt Ion:105 Resp: 4995

Ion Ratio Lower Upper

105 100

134 0.0 10.7 32.1#



#86

p-Isopropyltoluene

Concen: 2.994 ug/l

RT: 13.298 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VY020743.D

Acq: 27 Dec 2024 16:44

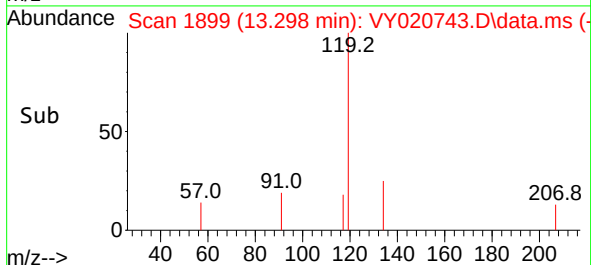
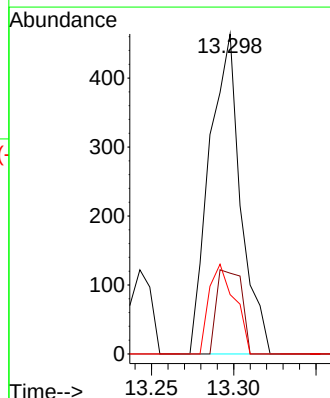
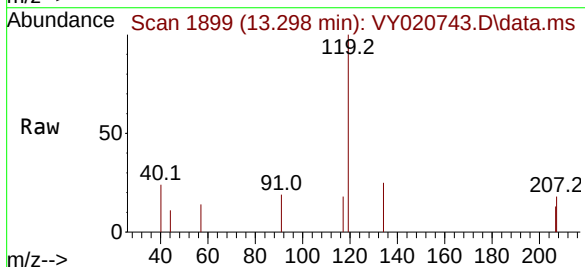
Tgt Ion:119 Resp: 613

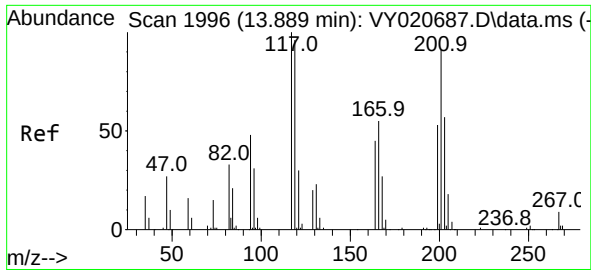
Ion Ratio Lower Upper

119 100

134 21.0 13.4 40.2

91 23.0 12.9 38.6





#90

Hexachloroethane

Concen: 1.361 ug/l

RT: 13.993 min Scan# 20

Delta R.T. 0.104 min

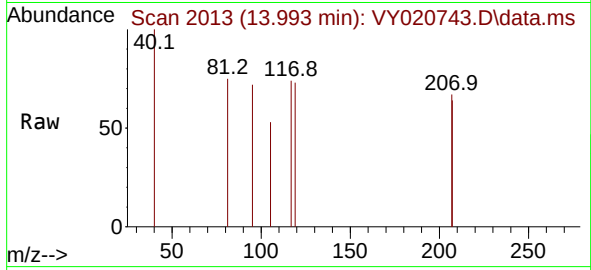
Lab File: VY020743.D

Acq: 27 Dec 2024 16:44

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:117 Resp: 53

Ion	Ratio	Lower	Upper
117	100		
201	0.0	44.9	134.7#

