

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
 Data File : VY020236.D
 Acq On : 08 Nov 2024 17:49
 Operator : SY/MD
 Sample : P4737-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 22:20:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

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

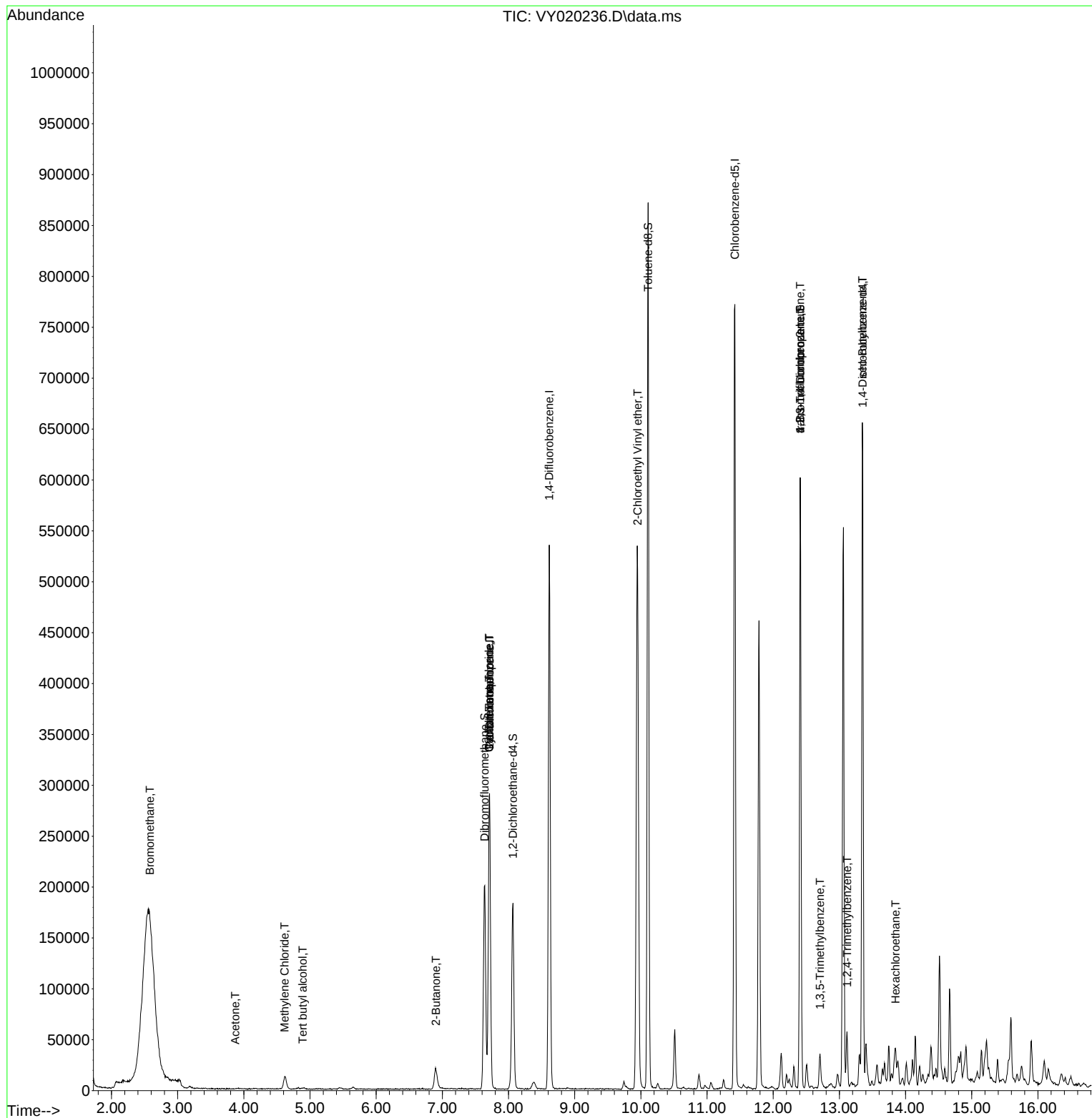
Internal Standards						
1) Pentafluorobenzene	7.713	168	200069	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	420606	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	385502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	140838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	143119	57.317	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.640%	
35) Dibromofluoromethane	7.640	113	138146	51.659	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.320%	
50) Toluene-d8	10.109	98	532013	49.980	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.960%	
62) 4-Bromofluorobenzene	12.407	95	164118	47.467	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 94.940%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.580	94	6852	3.134	ug/l	# 20
11) Tert butyl alcohol	4.891	59	309	1.720	ug/l	# 88
16) Acetone	3.872	43	657	1.131	ug/l	# 63
20) Methylene Chloride	4.616	84	8125	3.115	ug/l	95
25) 2-Butanone	6.902	43	867	1.101	ug/l	96
31) Cyclohexane	7.707	56	6208	1.370	ug/l	# 43
36) 1,1-Dichloropropene	7.713	75	20750	5.023	ug/l	# 47
38) Carbon Tetrachloride	7.707	117	22638	5.450	ug/l	# 15
58) 2-Chloroethyl Vinyl ether	9.951	63	3651	2.655	ug/l	# 45
76) 1,2,3-Trichloropropane	12.407	75	97997	74.228	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.706	105	17233	1.908	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.407	75	97997	159.663	ug/l	# 16
84) 1,2,4-Trimethylbenzene	13.115	105	26078	2.915	ug/l	93
85) sec-Butylbenzene	13.346	105	16882	1.392	ug/l	99
90) Hexachloroethane	13.846	117	15174	7.885	ug/l	# 12

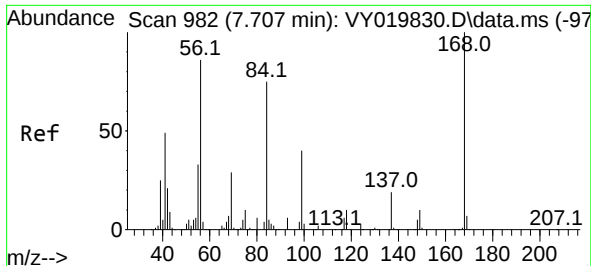
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 31 15:23:13 2024
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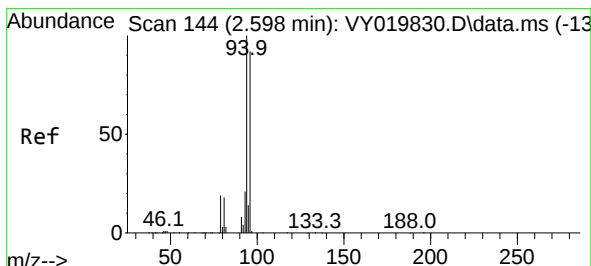
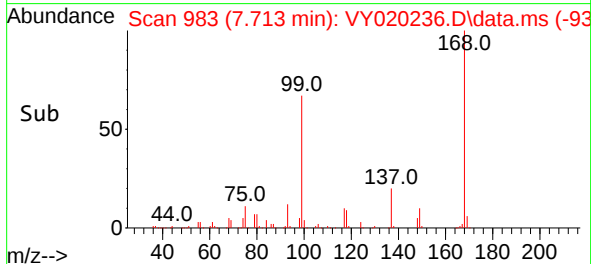
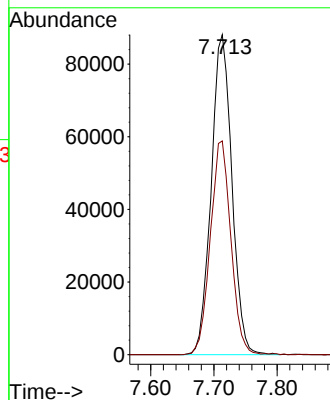
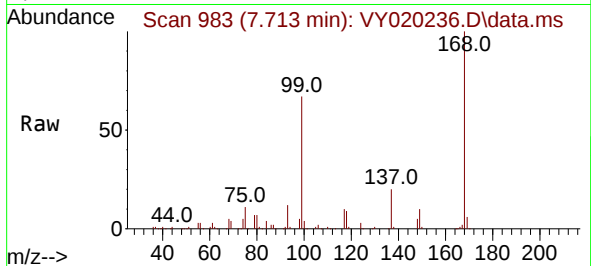




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020236.D
Acq: 08 Nov 2024 17:49

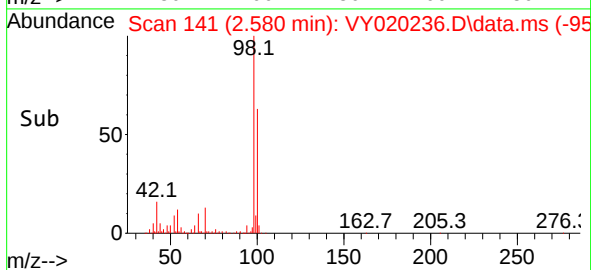
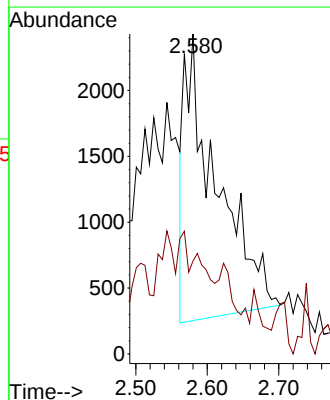
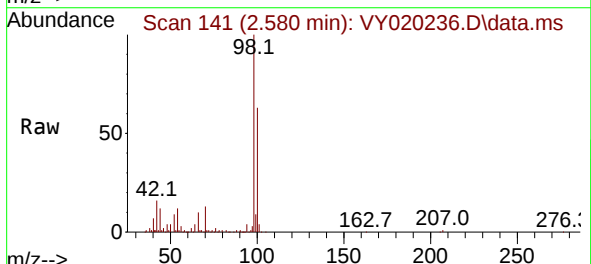
Instrument :
MSVOA_Y
ClientSampleId :

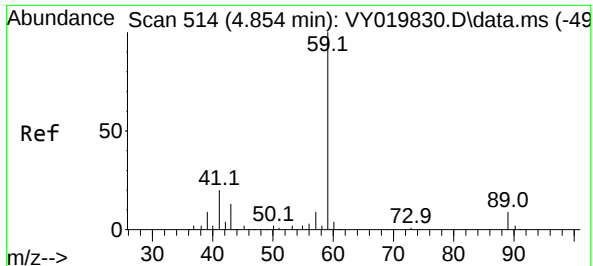
Tgt Ion:168 Resp: 200069
Ion Ratio Lower Upper
168 100
99 66.8 39.1 58.7#



#5
Bromomethane
Concen: 3.134 ug/l
RT: 2.580 min Scan# 141
Delta R.T. -0.018 min
Lab File: VY020236.D
Acq: 08 Nov 2024 17:49

Tgt Ion: 94 Resp: 6852
Ion Ratio Lower Upper
94 100
96 15.8 74.1 111.1#

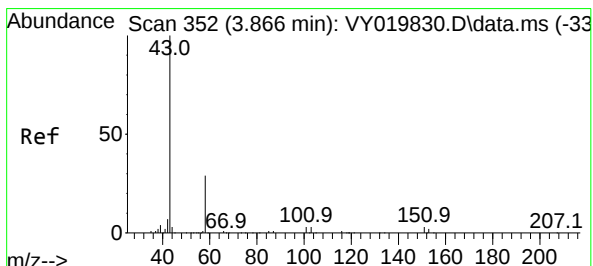
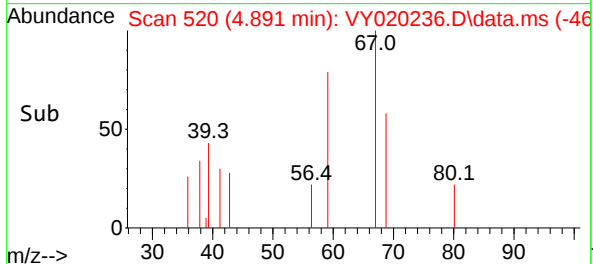
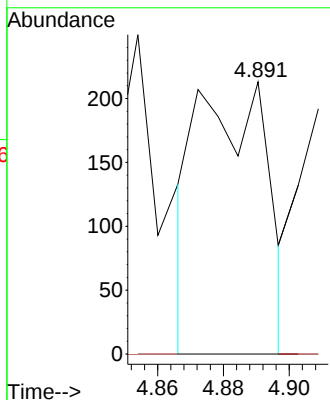
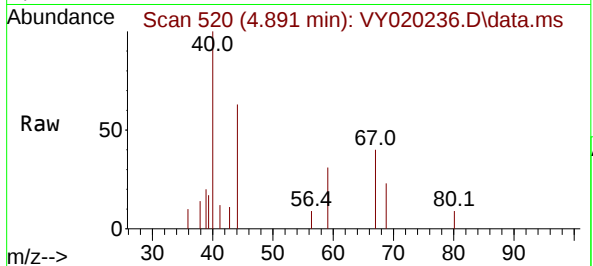




#11
Tert butyl alcohol
Concen: 1.720 ug/l
RT: 4.891 min Scan# 514
Delta R.T. 0.031 min
Lab File: VY020236.D
Acq: 08 Nov 2024 17:49

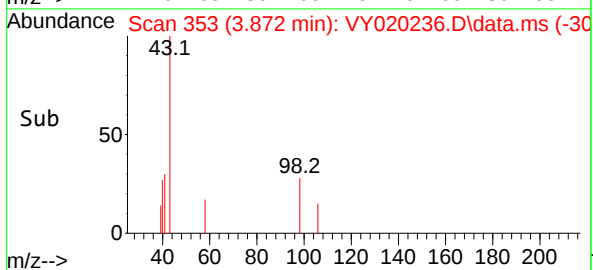
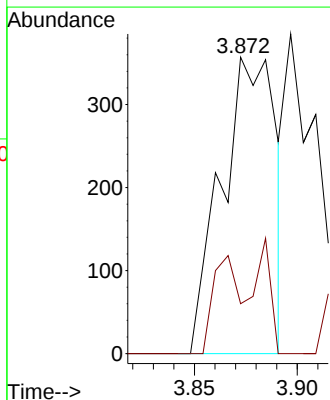
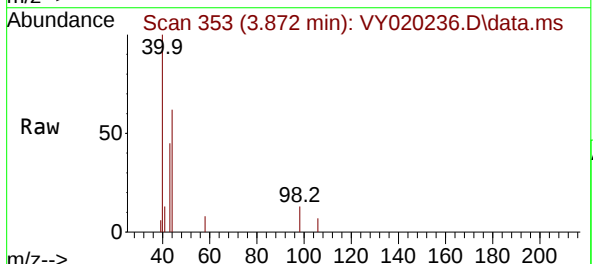
Instrument :
MSVOA_Y
ClientSampleId :

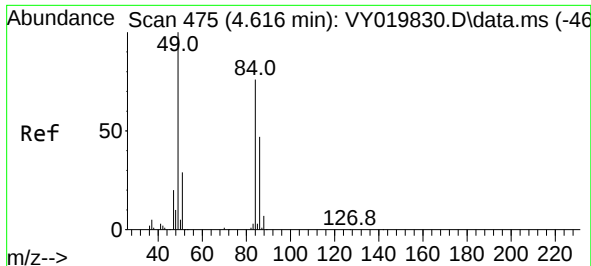
Tgt Ion: 59 Resp: 309
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



#16
Acetone
Concen: 1.131 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY020236.D
Acq: 08 Nov 2024 17:49

Tgt Ion: 43 Resp: 657
Ion Ratio Lower Upper
43 100
58 16.8 31.7 47.5#

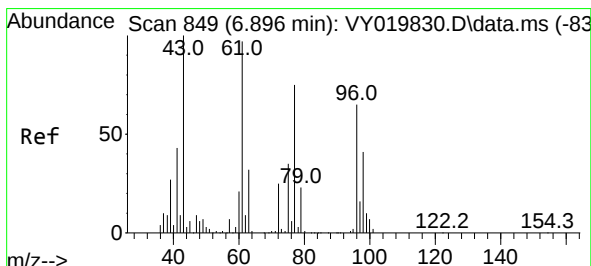
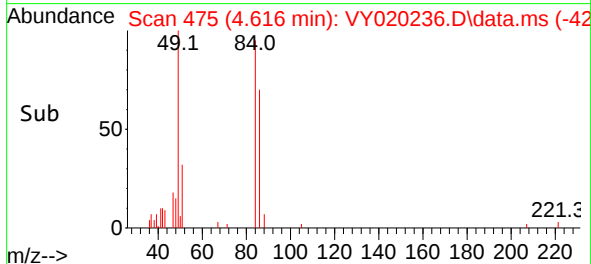
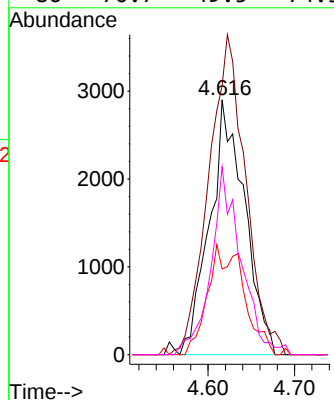
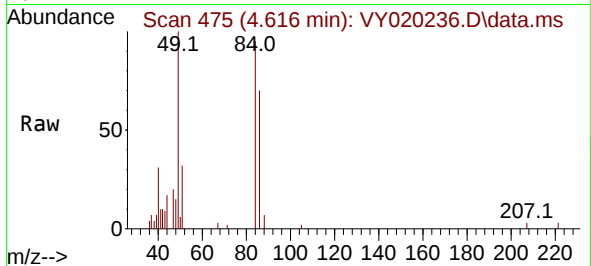




#20
Methylene Chloride
Concen: 3.115 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY020236.D
Acq: 08 Nov 2024 17:49

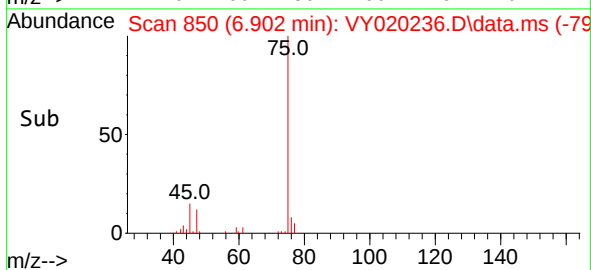
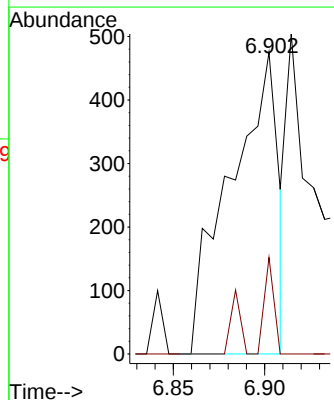
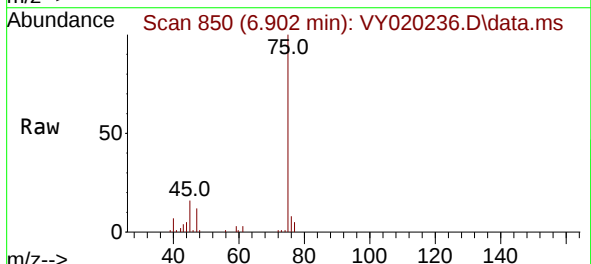
Instrument :
MSVOA_Y
ClientSampleId :

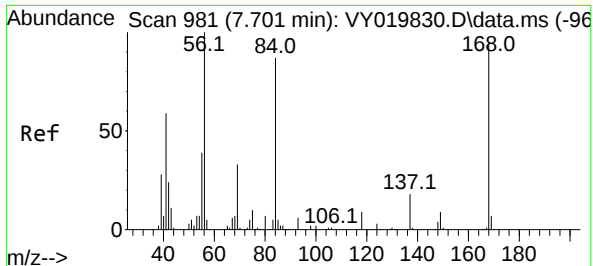
Tgt Ion:	84	Resp:	8125
Ion	Ratio	Lower	Upper
84	100		
49	103.0	84.4	126.6
51	33.7	26.0	39.0
86	70.7	49.5	74.3



#25
2-Butanone
Concen: 1.101 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY020236.D
Acq: 08 Nov 2024 17:49

Tgt Ion:	43	Resp:	867
Ion	Ratio	Lower	Upper
43	100		
72	32.0	27.3	40.9

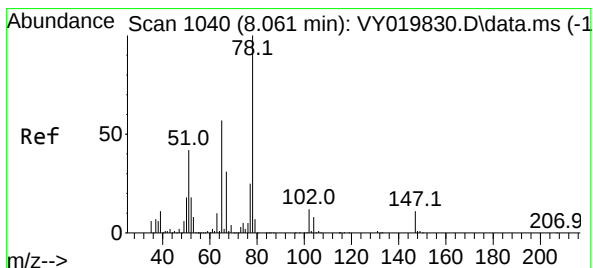
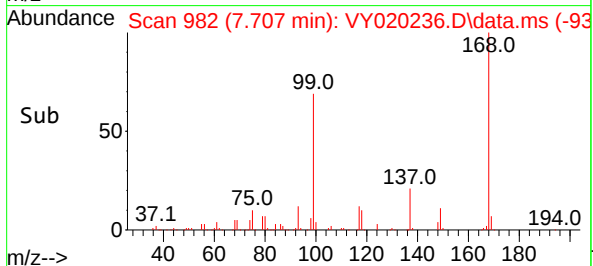
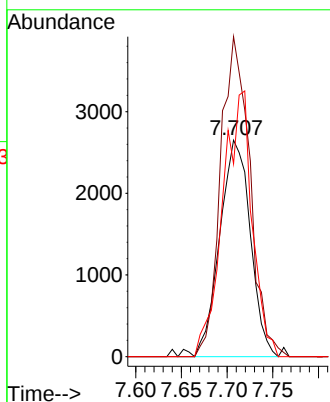
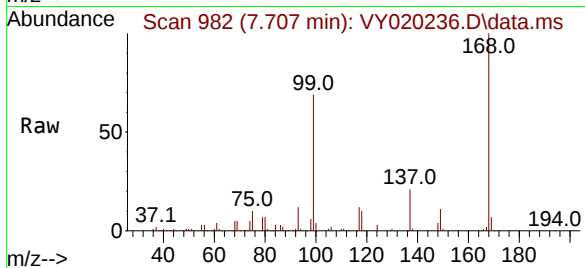




#31
Cyclohexane
Concen: 1.370 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY020236.D
Acq: 08 Nov 2024 17:49

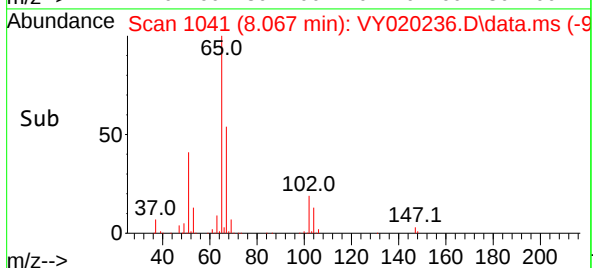
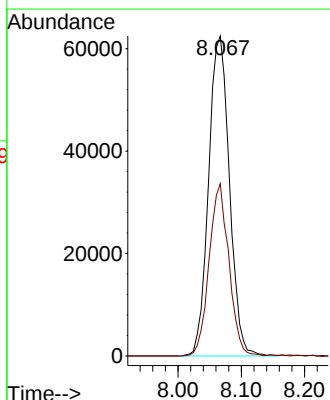
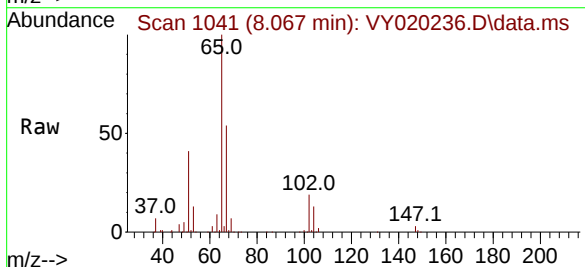
Instrument :
MSVOA_Y
ClientSampleId :

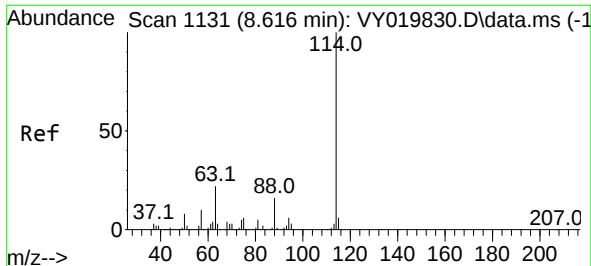
Tgt Ion: 56 Resp: 6208
Ion Ratio Lower Upper
56 100
69 147.8 28.7 43.1#
84 89.1 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 57.317 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020236.D
Acq: 08 Nov 2024 17:49

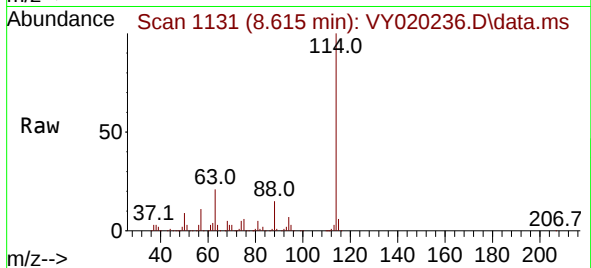
Tgt Ion: 65 Resp: 143119
Ion Ratio Lower Upper
65 100
67 51.1 0.0 109.6



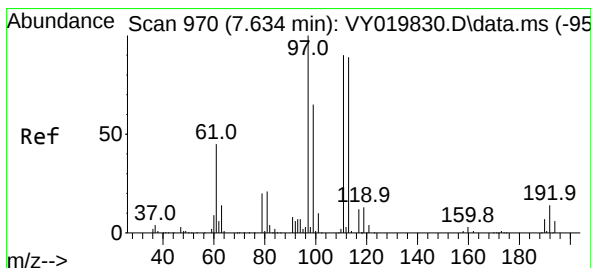
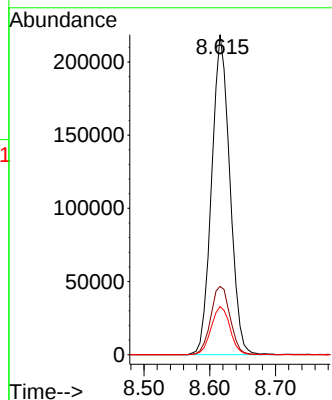
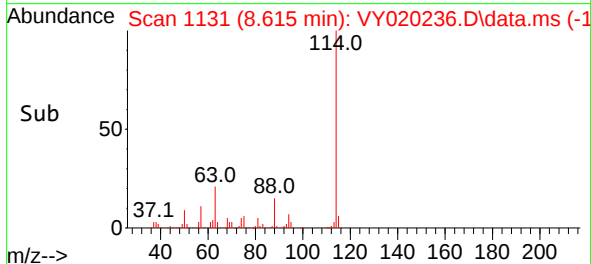


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020236.D
Acq: 08 Nov 2024 17:49

Instrument :
MSVOA_Y
ClientSampleId :

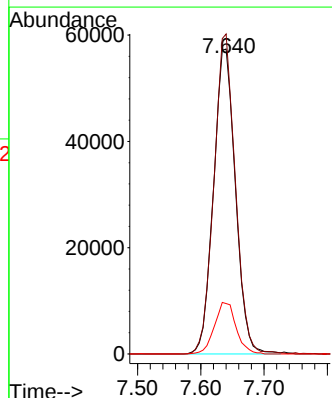
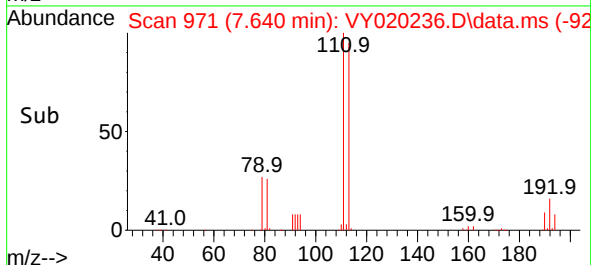
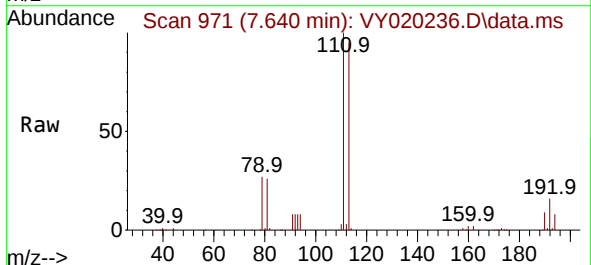


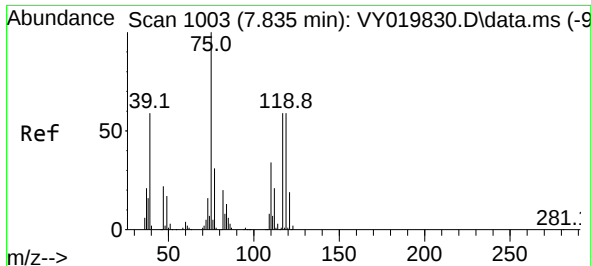
Tgt Ion:114 Resp: 420606
Ion Ratio Lower Upper
114 100
63 21.3 0.0 35.0
88 15.1 0.0 27.2



#35
Dibromofluoromethane
Concen: 51.659 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020236.D
Acq: 08 Nov 2024 17:49

Tgt Ion:113 Resp: 138146
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.4
192 16.7 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.023 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.122 min

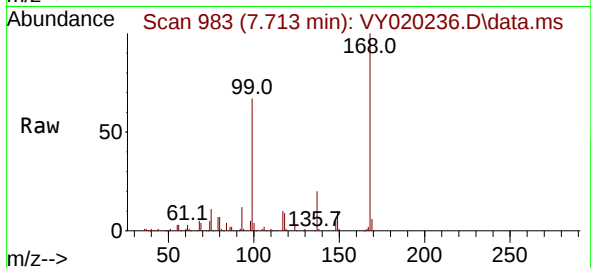
Lab File: VY020236.D

Acq: 08 Nov 2024 17:49

Instrument :

MSVOA_Y

ClientSampleId :



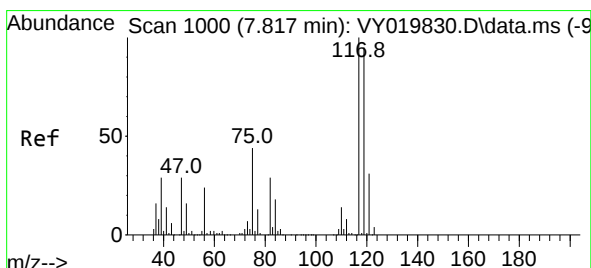
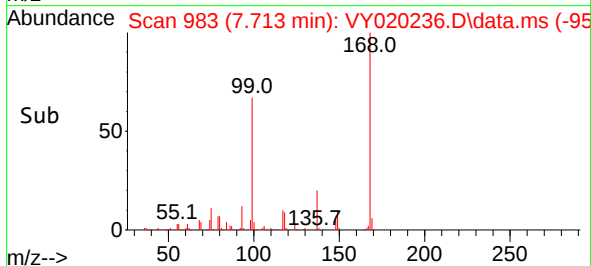
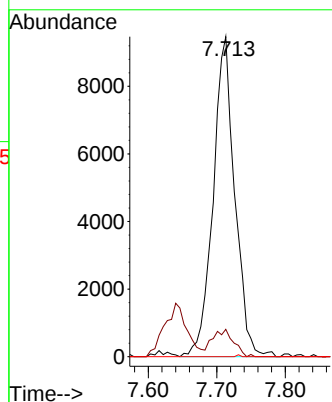
Tgt Ion: 75 Resp: 20750

Ion Ratio Lower Upper

75 100

110 8.3 19.0 57.0#

77 0.1 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.450 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY020236.D

Acq: 08 Nov 2024 17:49

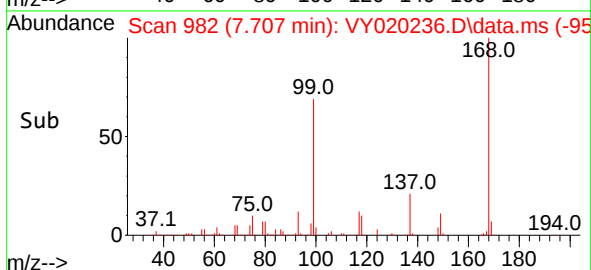
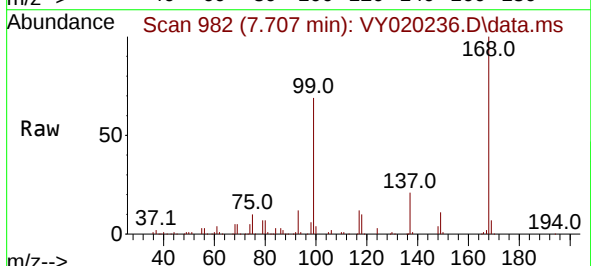
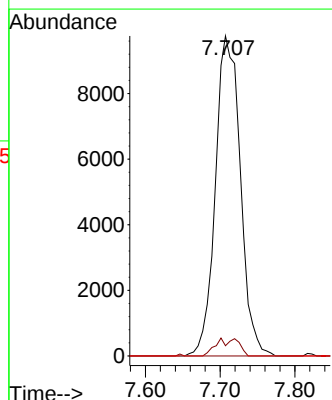
Tgt Ion: 117 Resp: 22638

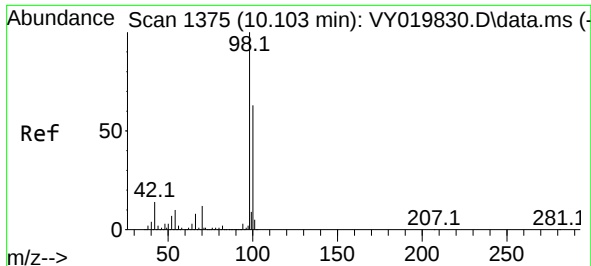
Ion Ratio Lower Upper

117 100

119 3.2 75.8 113.6#

121 0.0 24.0 36.0#

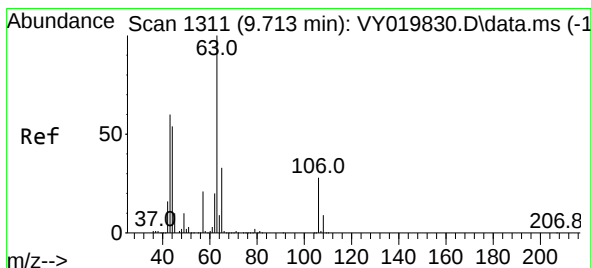
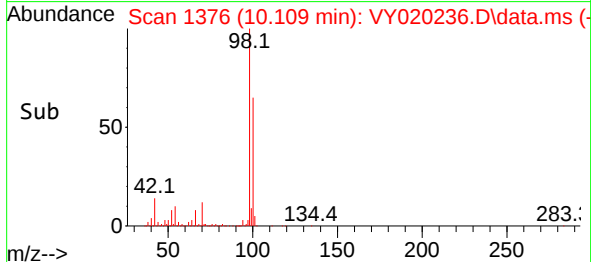
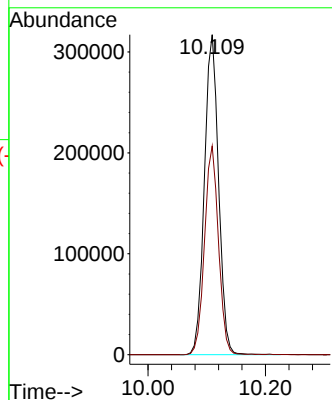
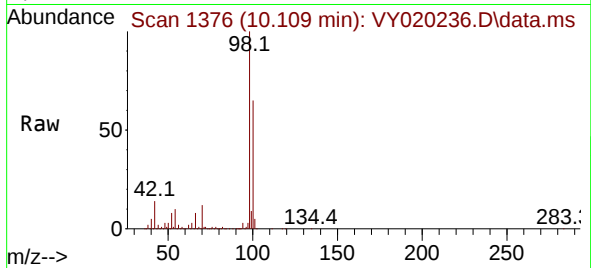




#50
Toluene-d8
Concen: 49.980 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020236.D
Acq: 08 Nov 2024 17:49

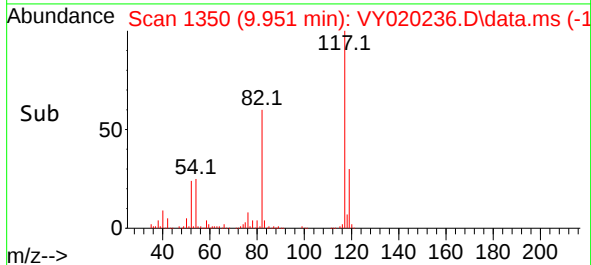
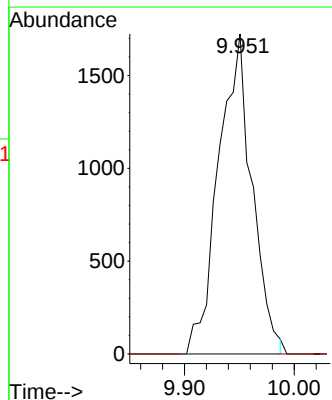
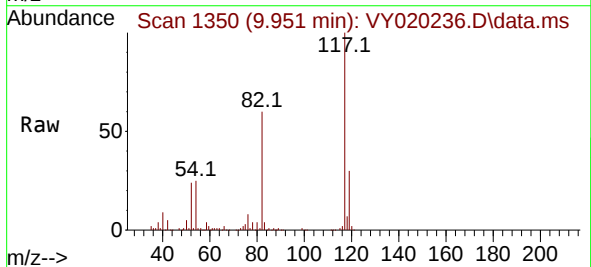
Instrument :
MSVOA_Y
ClientSampleId :

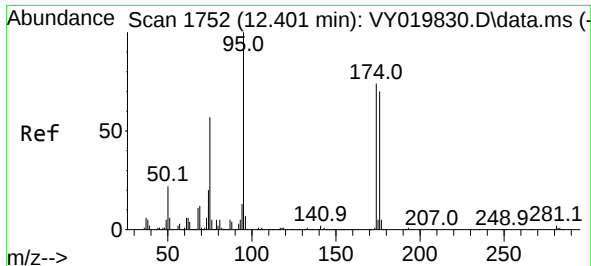
Tgt Ion: 98 Resp: 532013
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#58
2-Chloroethyl Vinyl ether
Concen: 2.655 ug/l
RT: 9.951 min Scan# 1350
Delta R.T. 0.238 min
Lab File: VY020236.D
Acq: 08 Nov 2024 17:49

Tgt Ion: 63 Resp: 3651
Ion Ratio Lower Upper
63 100
106 0.0 23.7 35.5#

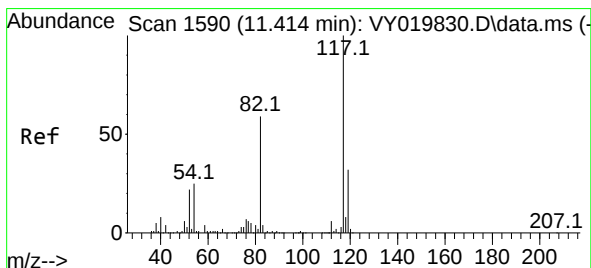
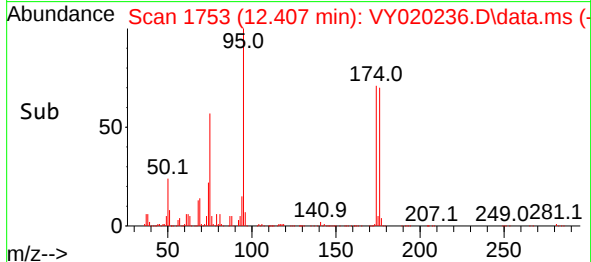
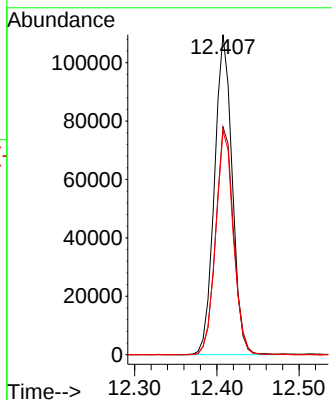
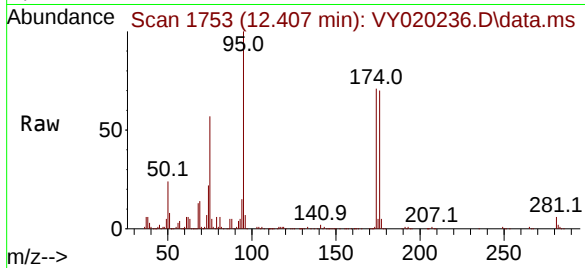




#62
4-Bromofluorobenzene
Concen: 47.467 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020236.D
Acq: 08 Nov 2024 17:49

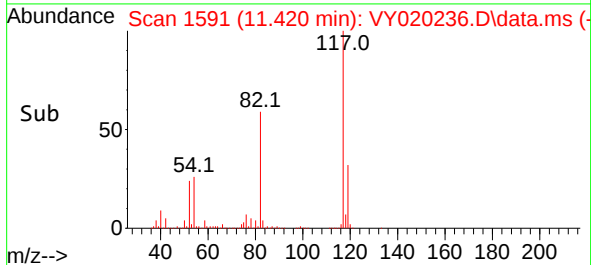
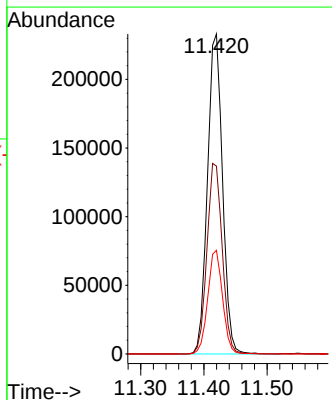
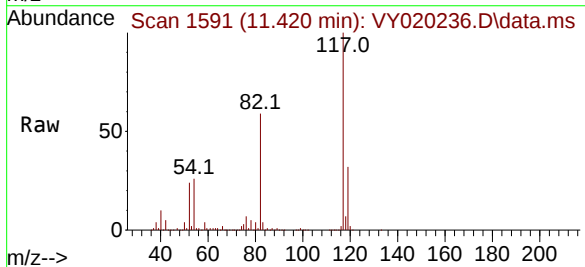
Instrument :
MSVOA_Y
ClientSampleId :

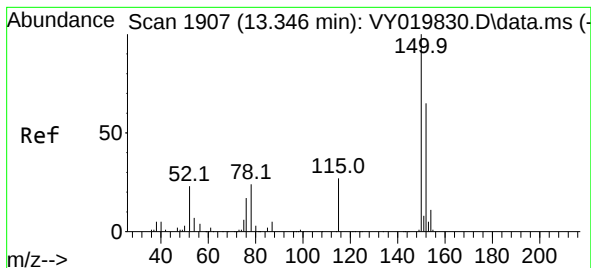
Tgt Ion: 95 Resp: 164118
Ion Ratio Lower Upper
95 100
174 71.9 0.0 175.6
176 69.8 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY020236.D
Acq: 08 Nov 2024 17:49

Tgt Ion: 117 Resp: 385502
Ion Ratio Lower Upper
117 100
82 58.7 42.4 63.6
119 32.4 25.9 38.9

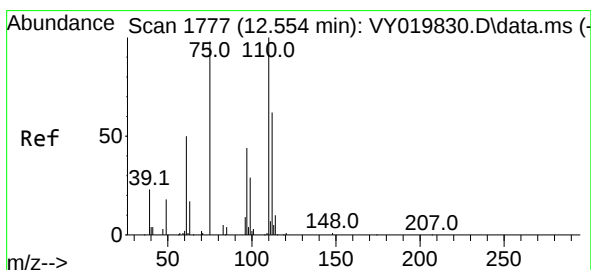
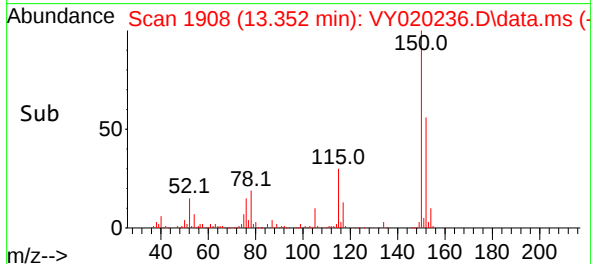
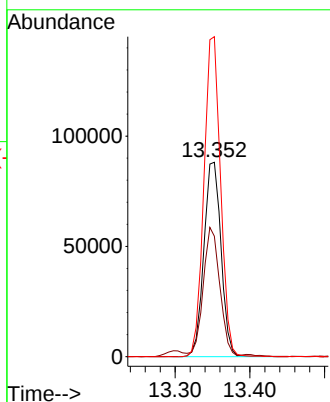
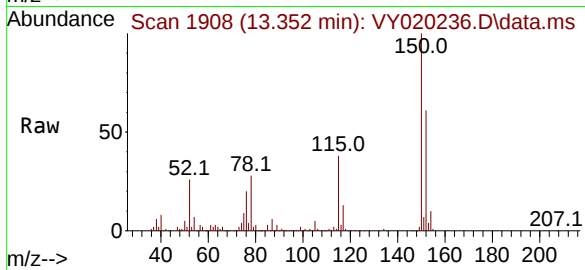




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020236.D
Acq: 08 Nov 2024 17:49

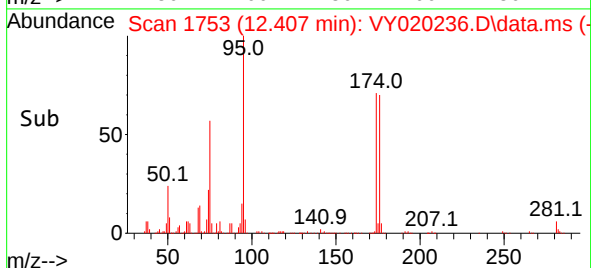
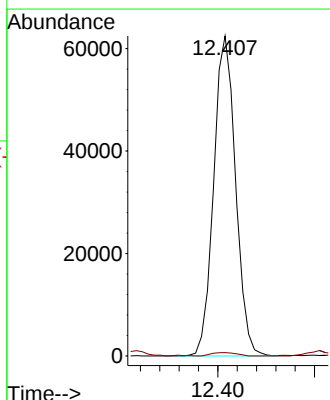
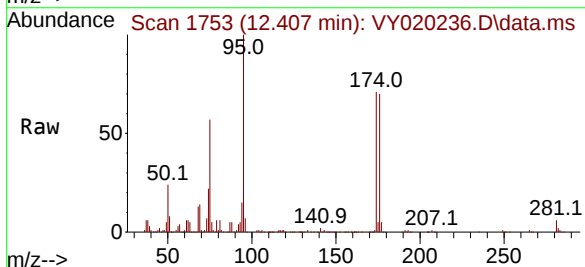
Instrument :
MSVOA_Y
ClientSampleId :

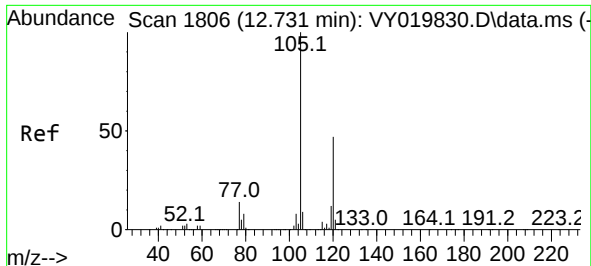
Tgt Ion:152 Resp: 140838
Ion Ratio Lower Upper
152 100
115 62.8 28.2 84.7
150 159.4 0.0 345.6



#76
1,2,3-Trichloropropane
Concen: 74.228 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY020236.D
Acq: 08 Nov 2024 17:49

Tgt Ion: 75 Resp: 97997
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

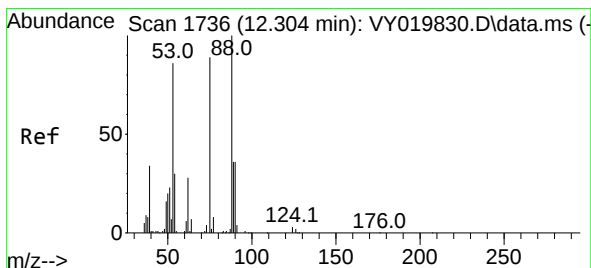
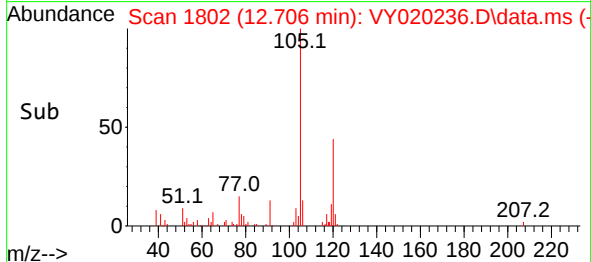
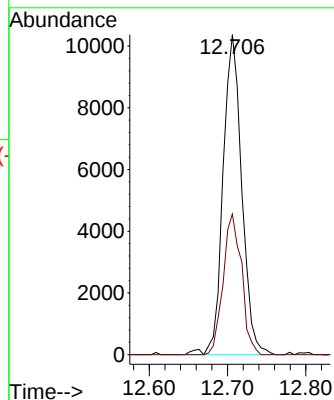
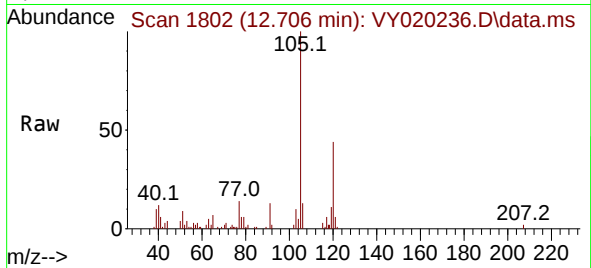




#80
1,3,5-Trimethylbenzene
Concen: 1.908 ug/l
RT: 12.706 min Scan# 11
Delta R.T. -0.030 min
Lab File: VY020236.D
Acq: 08 Nov 2024 17:49

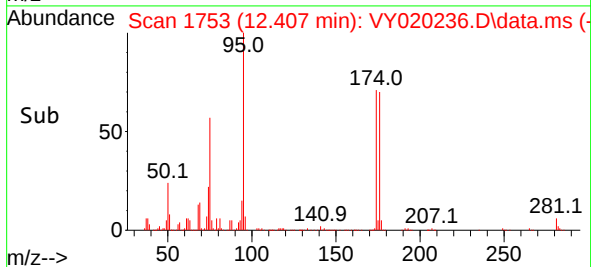
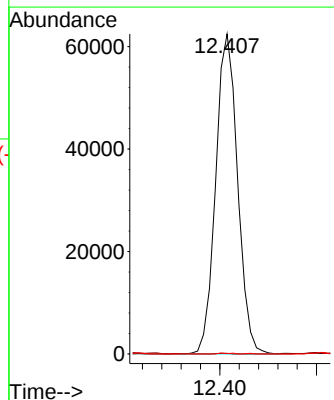
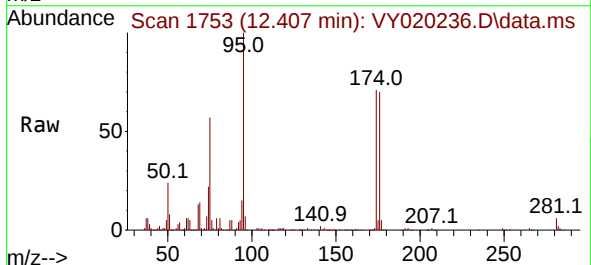
Instrument :
MSVOA_Y
ClientSampleId :

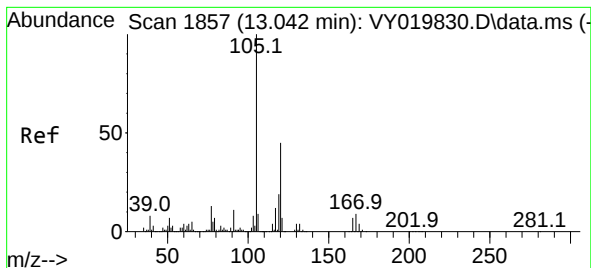
Tgt Ion:105 Resp: 17233
Ion Ratio Lower Upper
105 100
120 43.2 25.1 75.2



#81
trans-1,4-Dichloro-2-butene
Concen: 159.663 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY020236.D
Acq: 08 Nov 2024 17:49

Tgt Ion: 75 Resp: 97997
Ion Ratio Lower Upper
75 100
53 0.1 66.8 100.2#
89 0.2 35.8 53.6#





#84

1,2,4-Trimethylbenzene

Concen: 2.915 ug/l

RT: 13.115 min Scan# 11

Delta R.T. 0.067 min

Lab File: VY020236.D

Acq: 08 Nov 2024 17:49

Instrument :

MSVOA_Y

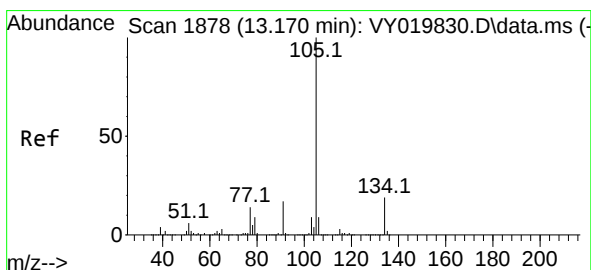
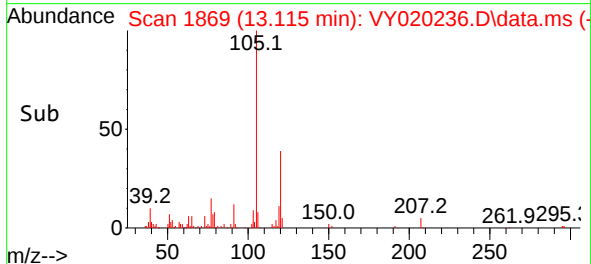
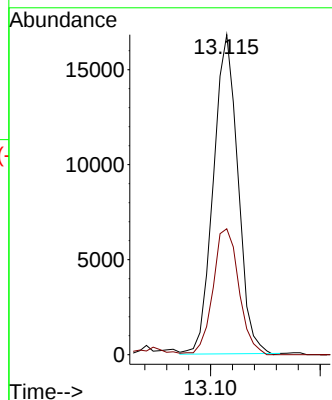
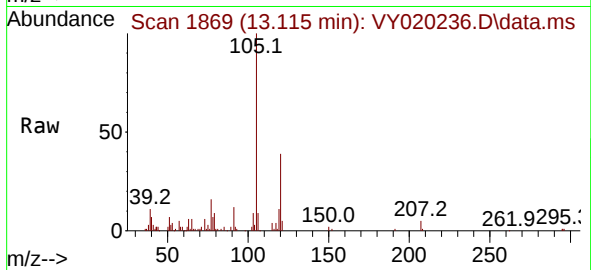
ClientSampleId :

Tgt Ion:105 Resp: 26078

Ion Ratio Lower Upper

105 100

120 41.7 23.2 69.6



#85

sec-Butylbenzene

Concen: 1.392 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.171 min

Lab File: VY020236.D

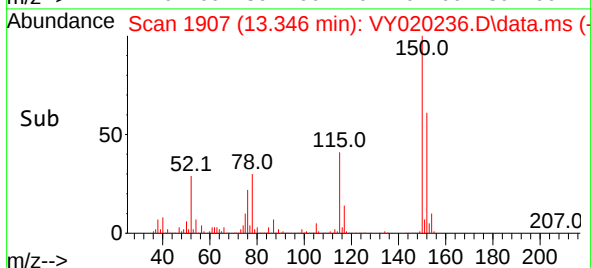
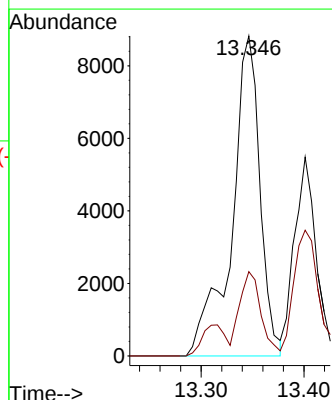
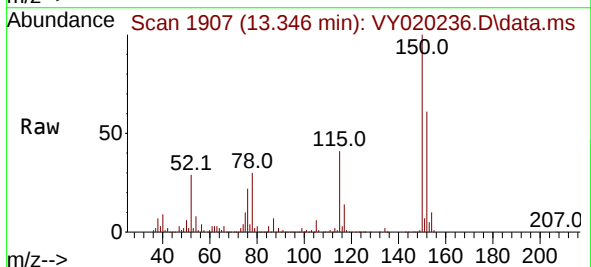
Acq: 08 Nov 2024 17:49

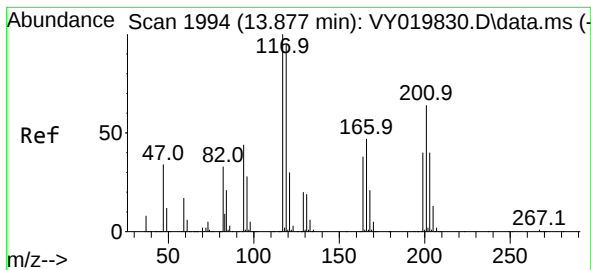
Tgt Ion:105 Resp: 16882

Ion Ratio Lower Upper

105 100

134 19.6 10.1 30.1





#90

Hexachloroethane

Concen: 7.885 ug/l

RT: 13.846 min Scan# 1989

Delta R.T. -0.036 min

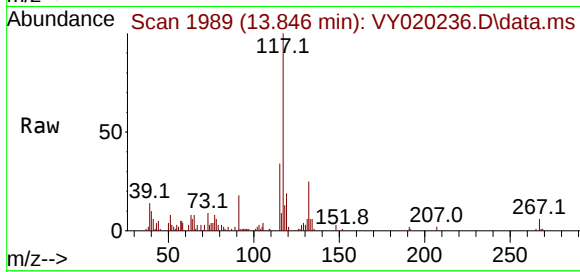
Lab File: VY020236.D

Acq: 08 Nov 2024 17:49

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:117 Resp: 15174

Ion Ratio Lower Upper

117 100

201 0.0 37.4 112.2#

