

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020081.D
 Acq On : 30 Oct 2024 15:15
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 31 15:40:12 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)

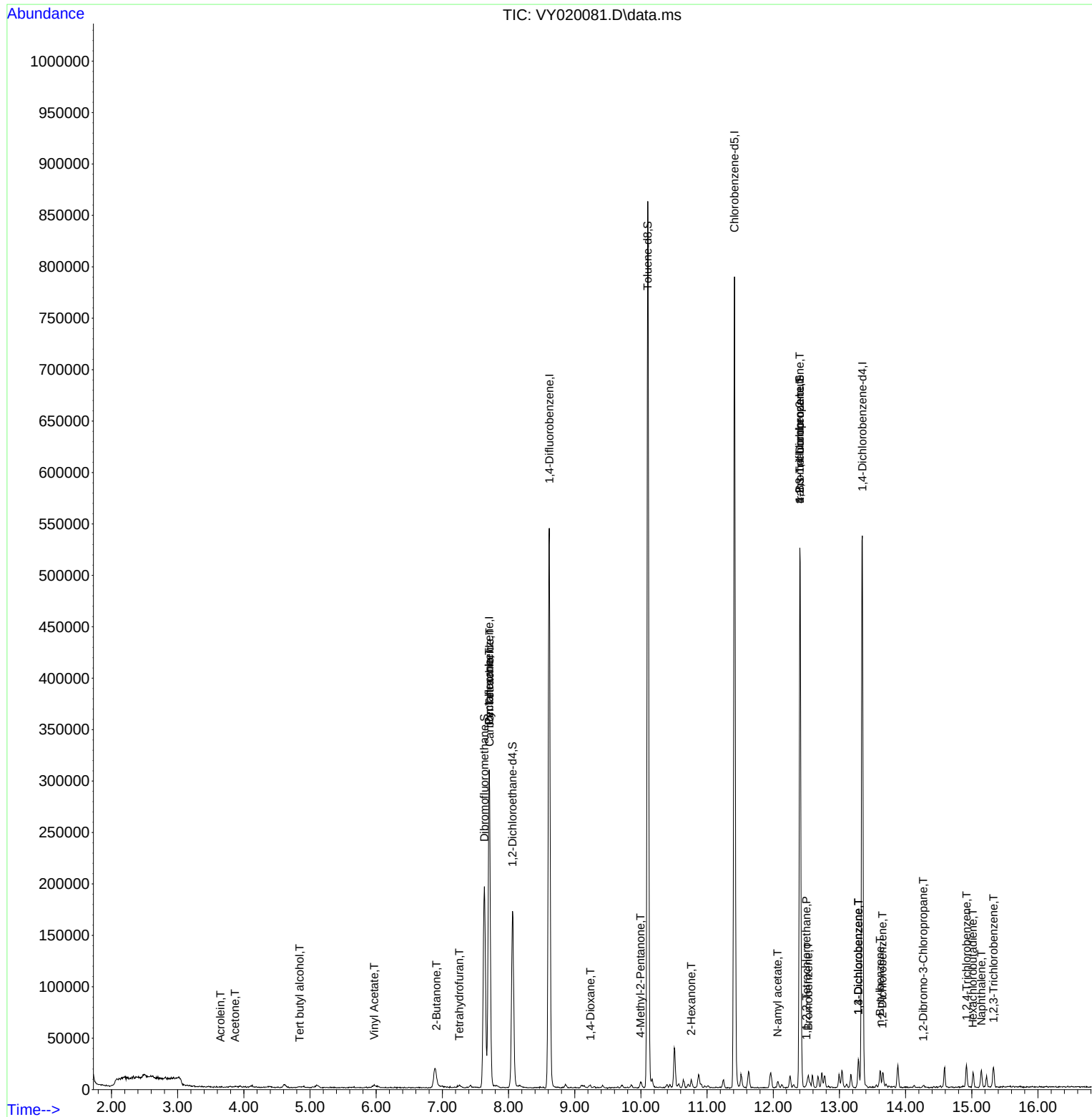
Internal Standards						
1) Pentafluorobenzene	7.707	168	209281	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	430930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	373996	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	122196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	130993	50.151	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.300%	
35) Dibromofluoromethane	7.634	113	137645	50.239	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.480%	
50) Toluene-d8	10.103	98	533793	48.946	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.900%	
62) 4-Bromofluorobenzene	12.402	95	151008	42.629	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 85.260%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.842	59	751	3.997	ug/l	# 96
13) Acrolein	3.647	56	332	1.420	ug/l	# 60
16) Acetone	3.867	43	1968	3.240	ug/l	# 79
23) Vinyl Acetate	5.970	43	5096	1.071	ug/l	# 92
25) 2-Butanone	6.909	43	3010	3.656	ug/l	# 77
29) Tetrahydrofuran	7.256	42	1162	2.445	ug/l	# 26
31) Cyclohexane	7.707	56	6581	1.388	ug/l	# 19
38) Carbon Tetrachloride	7.713	117	24204	5.687	ug/l	# 16
49) 1,4-Dioxane	9.238	88	65	3.942	ug/l	# 88
51) 4-Methyl-2-Pentanone	9.993	43	4183	2.092	ug/l	# 86
59) 2-Hexanone	10.762	43	5566	3.883	ug/l	84
74) N-amyl acetate	12.066	43	3398	1.393	ug/l	# 90
75) 1,1,2,2-Tetrachloroethane	12.499	83	1718	1.006	ug/l	# 95
76) 1,2,3-Trichloropropane	12.402	75	90066	78.629	ug/l	# 100
77) Bromobenzene	12.530	156	1999	1.013	ug/l	78
81) trans-1,4-Dichloro-2-b...	12.402	75	90066	169.128	ug/l	# 16
87) 1,3-Dichlorobenzene	13.286	146	4921	1.227	ug/l	93
88) 1,4-Dichlorobenzene	13.286	146	4921	1.232	ug/l	91
89) n-Butylbenzene	13.615	91	8592	1.015	ug/l	94
91) 1,2-Dichlorobenzene	13.651	146	5041	1.446	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.267	75	582	2.248	ug/l	69
93) 1,2,4-Trichlorobenzene	14.919	180	5213	2.784	ug/l	92
94) Hexachlorobutadiene	15.017	225	1916	1.871	ug/l	93
95) Naphthalene	15.145	128	11830	3.379	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	5562	3.499	ug/l	96

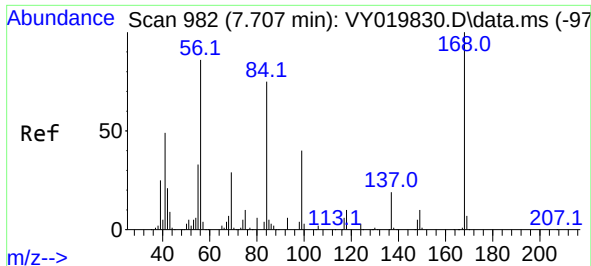
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020081.D
Acq On : 30 Oct 2024 15:15
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Sample : VIBLK
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

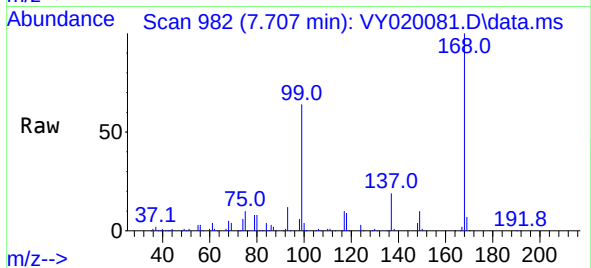
Quant Time: Oct 31 15:40:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration



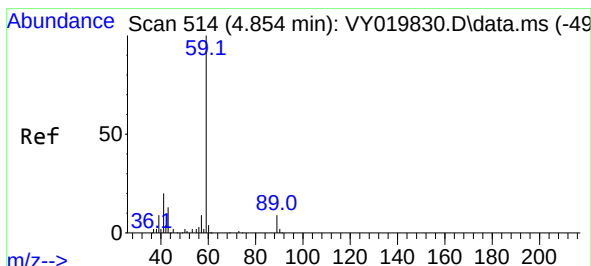
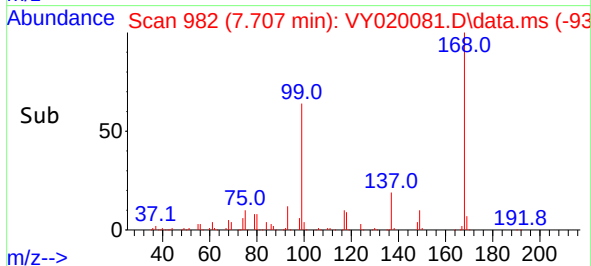
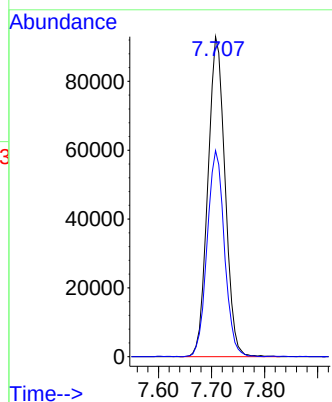


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

Instrument :
MSVOA_Y
ClientSampleId :

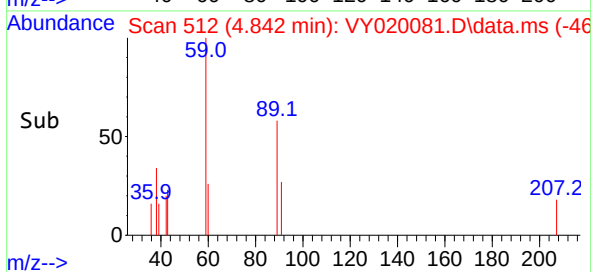
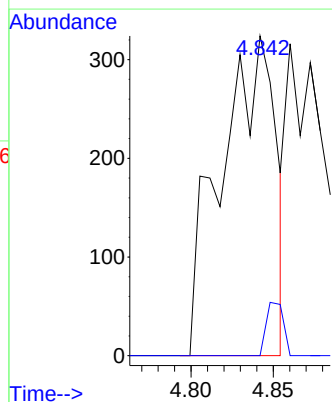
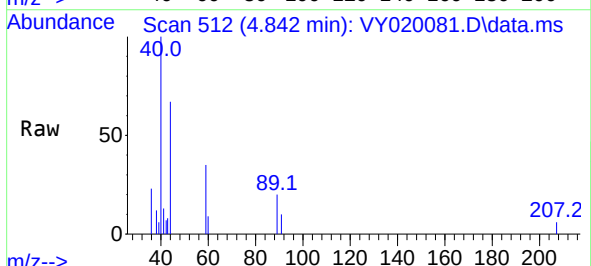


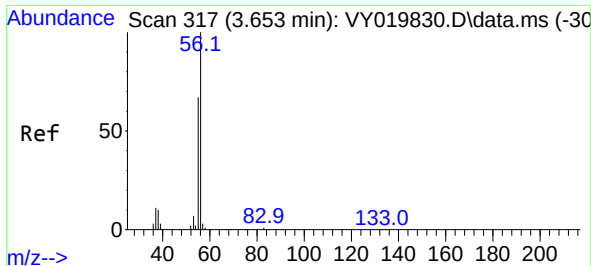
Tgt Ion:168 Resp: 209281
Ion Ratio Lower Upper
168 100
99 64.4 39.1 58.7#



#11
Tert butyl alcohol
Concen: 3.997 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

Tgt Ion: 59 Resp: 751
Ion Ratio Lower Upper
59 100
57 5.2 3.0 4.6#

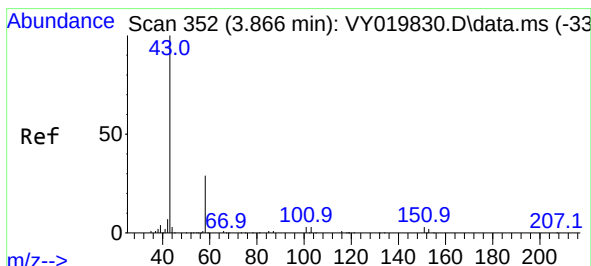
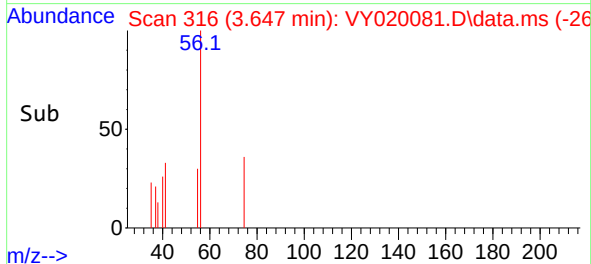
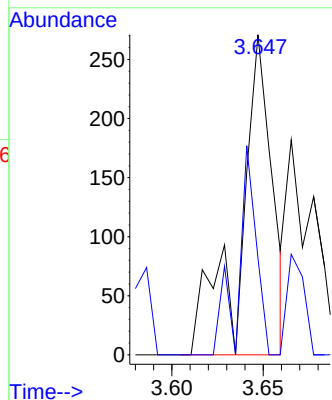
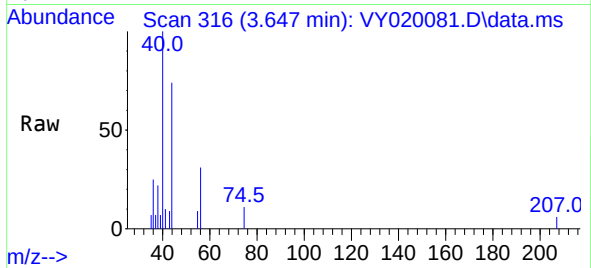




#13
Acrolein
Concen: 1.420 ug/l
RT: 3.647 min Scan# 317
Delta R.T. -0.006 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

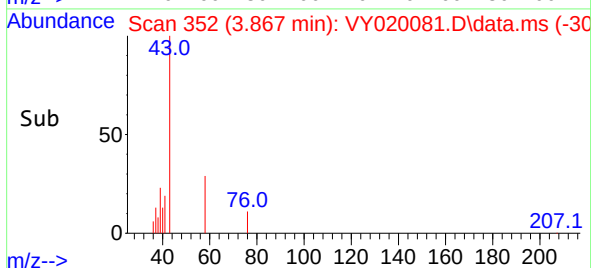
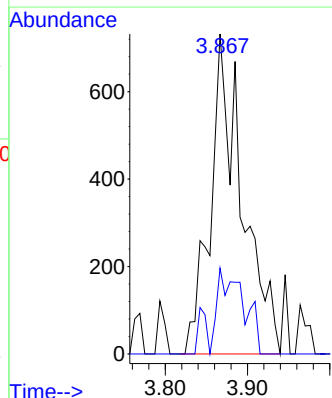
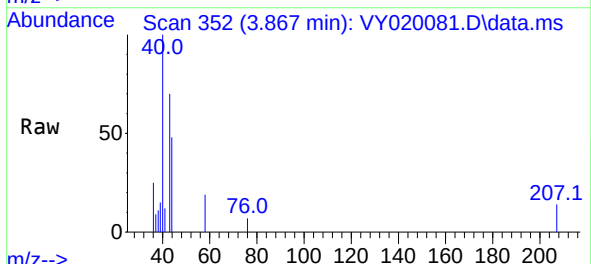
Instrument :
MSVOA_Y
ClientSampleId :

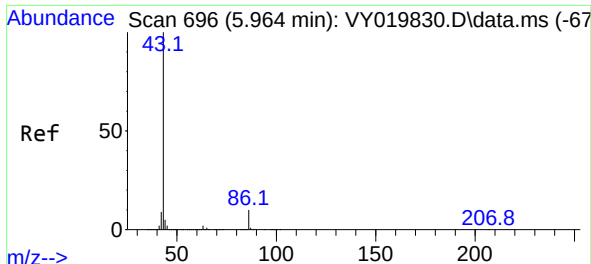
Tgt Ion: 56 Resp: 332
Ion Ratio Lower Upper
56 100
55 36.7 55.7 83.5#



#16
Acetone
Concen: 3.240 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

Tgt Ion: 43 Resp: 1968
Ion Ratio Lower Upper
43 100
58 26.8 31.7 47.5#

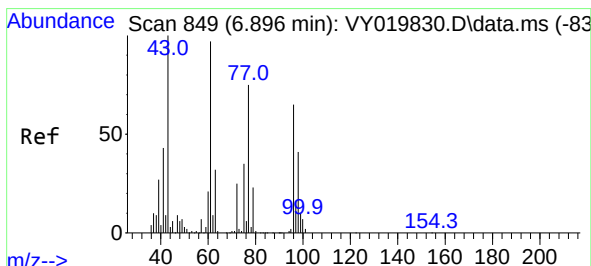
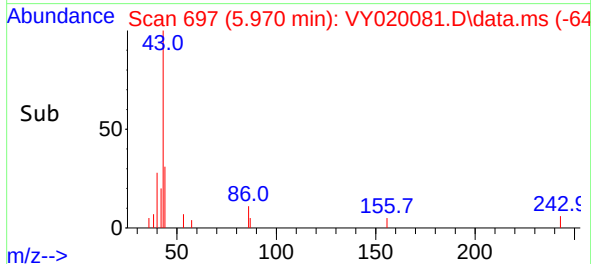
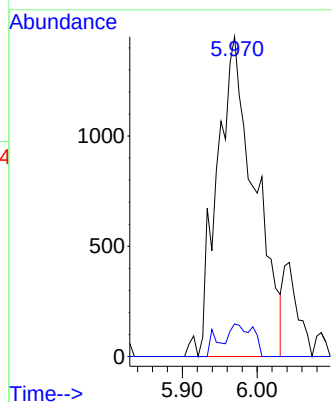
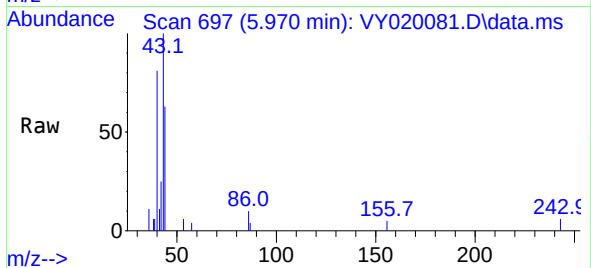




#23
Vinyl Acetate
Concen: 1.071 ug/l
RT: 5.970 min Scan# 696
Delta R.T. 0.013 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

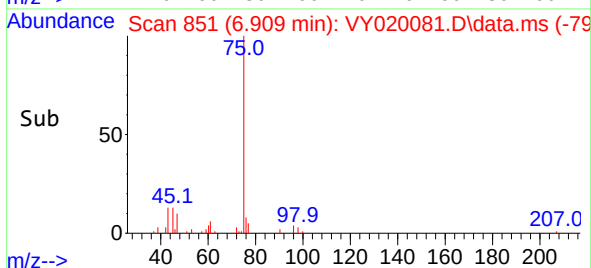
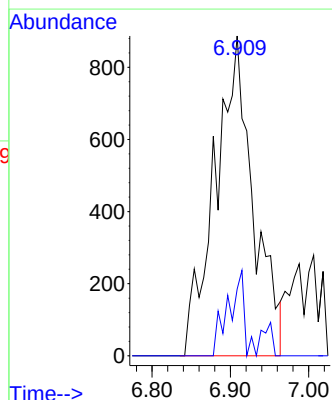
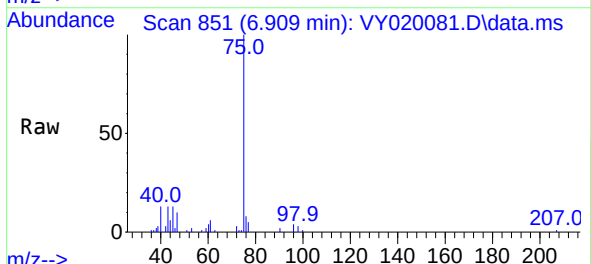
Instrument :
MSVOA_Y
ClientSampleId :

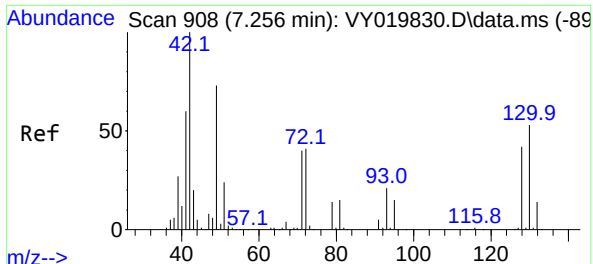
Tgt Ion: 43 Resp: 5096
Ion Ratio Lower Upper
43 100
86 10.2 10.6 16.0#



#25
2-Butanone
Concen: 3.656 ug/l
RT: 6.909 min Scan# 851
Delta R.T. 0.019 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

Tgt Ion: 43 Resp: 3010
Ion Ratio Lower Upper
43 100
72 20.9 27.3 40.9#

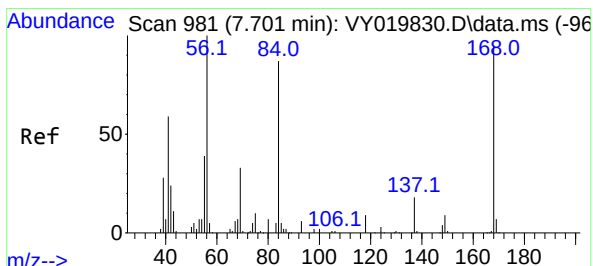
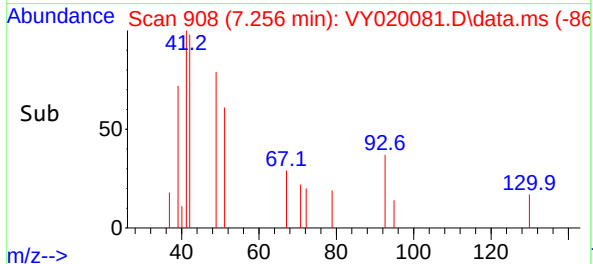
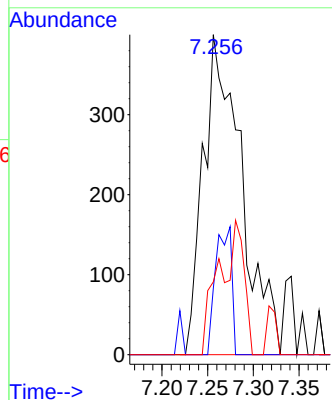
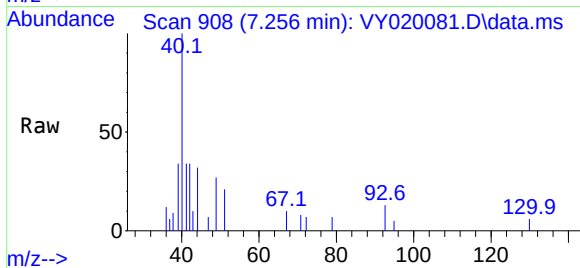




#29
Tetrahydrofuran
Concen: 2.445 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

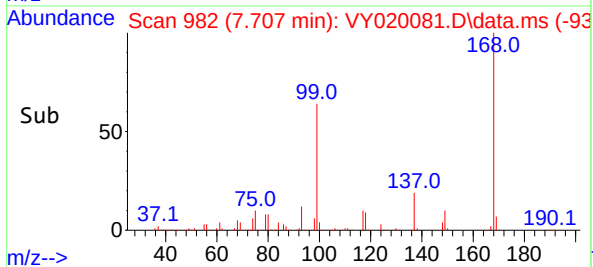
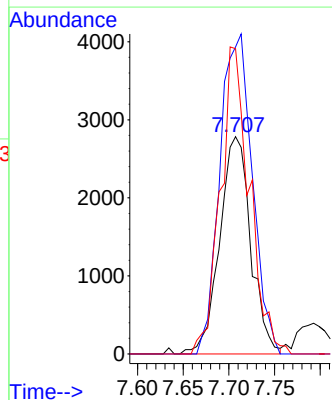
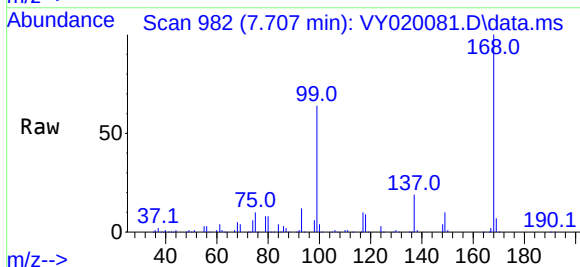
Instrument :
MSVOA_Y
ClientSampleId :

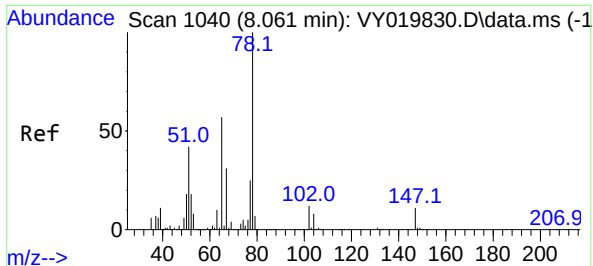
Tgt Ion:	42	Resp:	1162
Ion	Ratio	Lower	Upper
42	100		
72	0.0	43.0	64.4#
71	0.0	40.8	61.2#



#31
Cyclohexane
Concen: 1.388 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.007 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

Tgt Ion:	56	Resp:	6581
Ion	Ratio	Lower	Upper
56	100		
69	141.3	28.7	43.1#
84	140.5	77.7	116.5#





#33

1,2-Dichloroethane-d4

Concen: 50.151 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY020081.D

Acq: 30 Oct 2024 15:15

Instrument :

MSVOA_Y

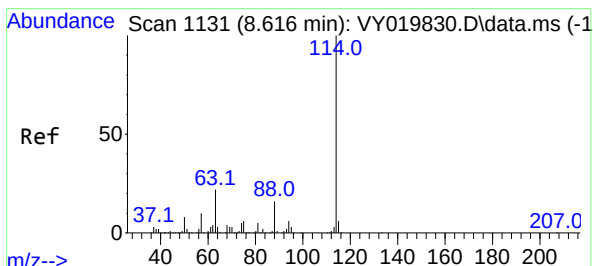
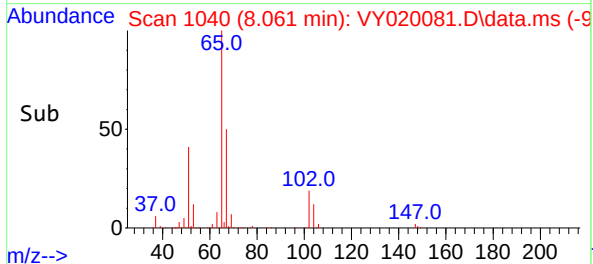
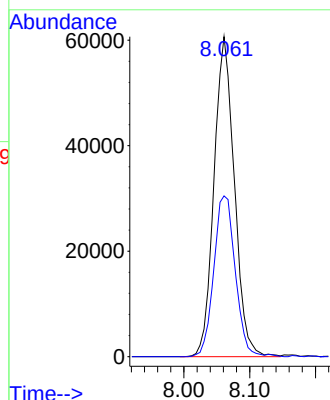
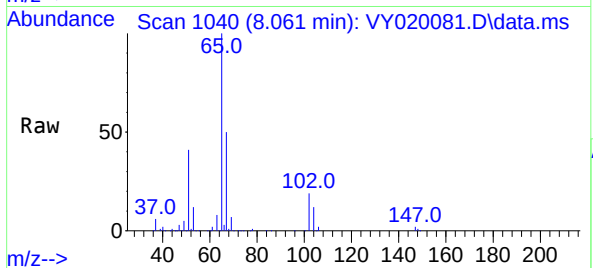
ClientSampleId :

Tgt Ion: 65 Resp: 130993

Ion Ratio Lower Upper

65 100

67 53.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY020081.D

Acq: 30 Oct 2024 15:15

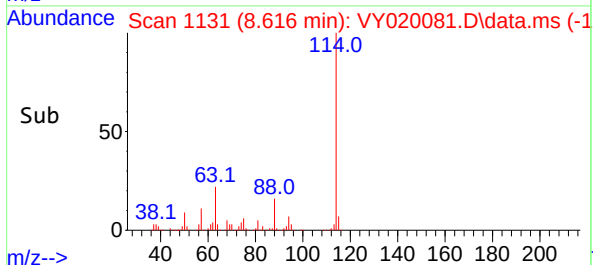
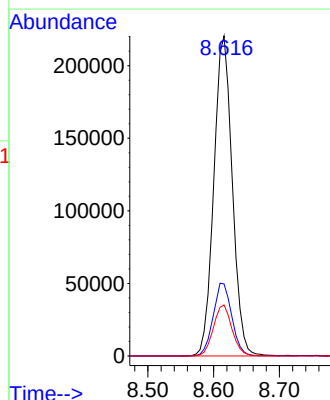
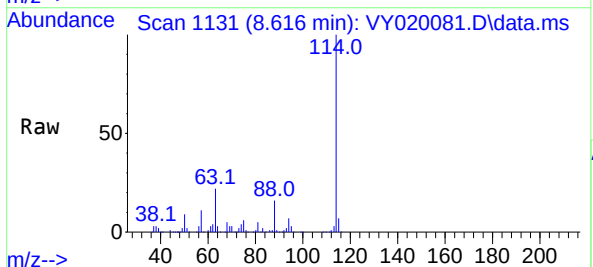
Tgt Ion: 114 Resp: 430930

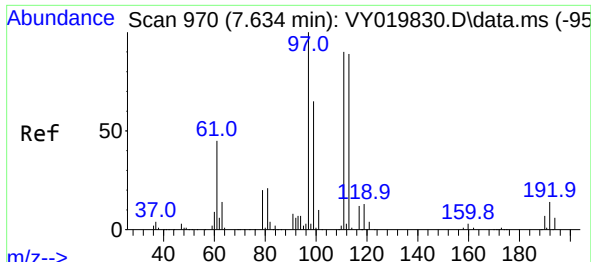
Ion Ratio Lower Upper

114 100

63 22.5 0.0 35.0

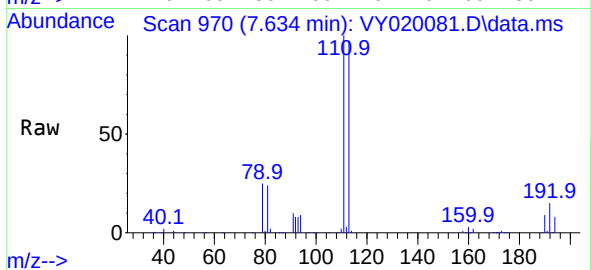
88 15.9 0.0 27.2



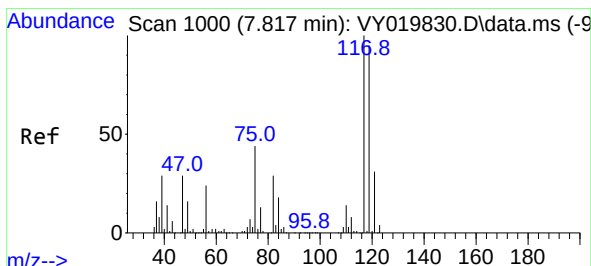
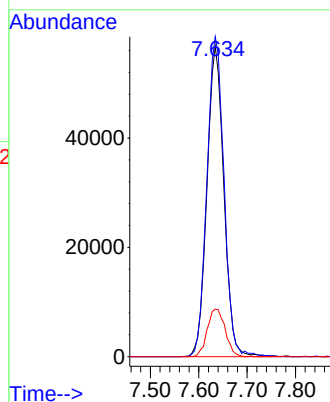
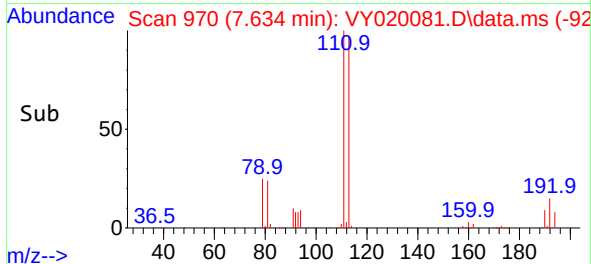


#35
Dibromofluoromethane
Concen: 50.239 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

Instrument :
MSVOA_Y
ClientSampleId :

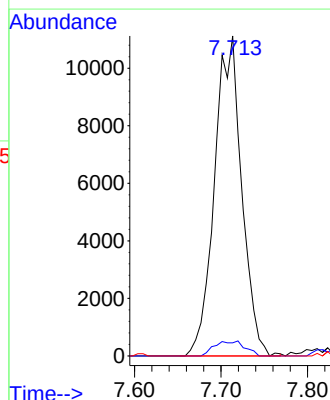
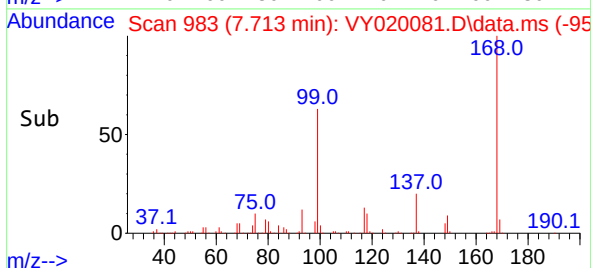
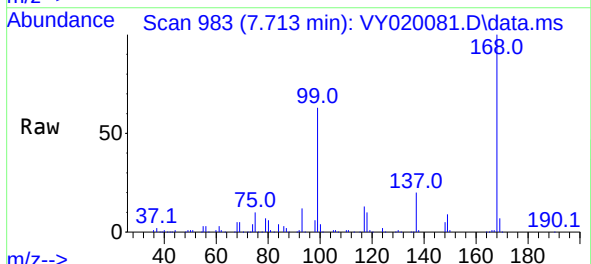


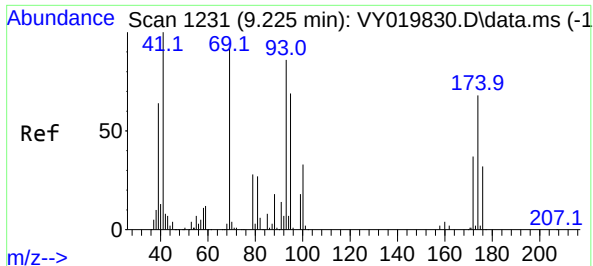
Tgt Ion:113 Resp: 137645
Ion Ratio Lower Upper
113 100
111 104.5 82.2 123.4
192 16.3 15.9 23.9



#38
Carbon Tetrachloride
Concen: 5.687 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.103 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

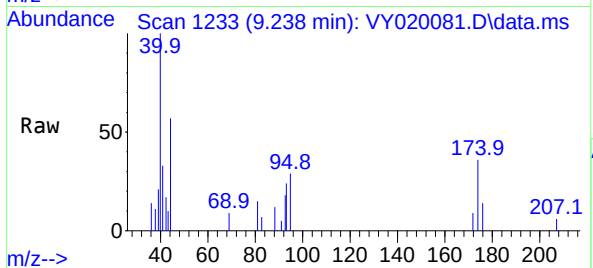
Tgt Ion:117 Resp: 24204
Ion Ratio Lower Upper
117 100
119 4.1 75.8 113.6#
121 0.0 24.0 36.0#



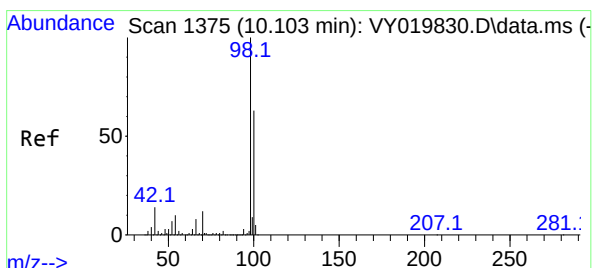
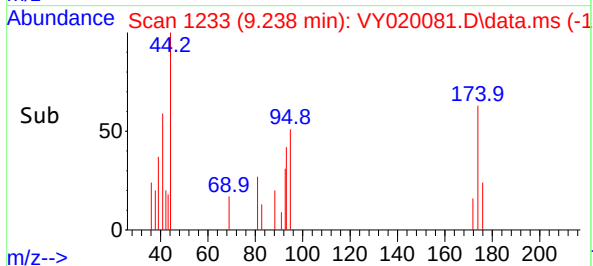
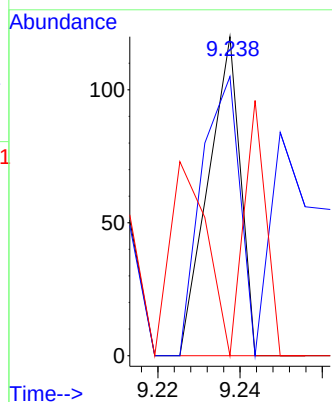


#49
1,4-Dioxane
Concen: 3.942 ug/l
RT: 9.238 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

Instrument :
MSVOA_Y
ClientSampleId :

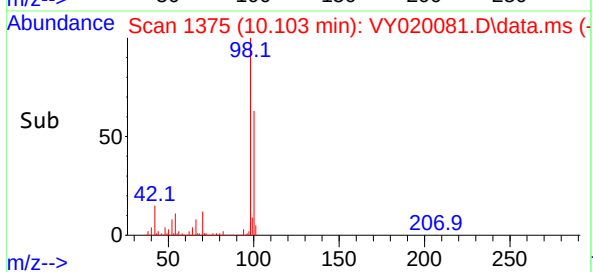
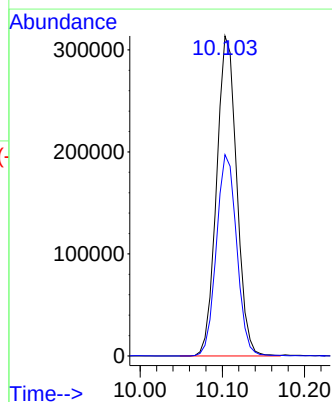
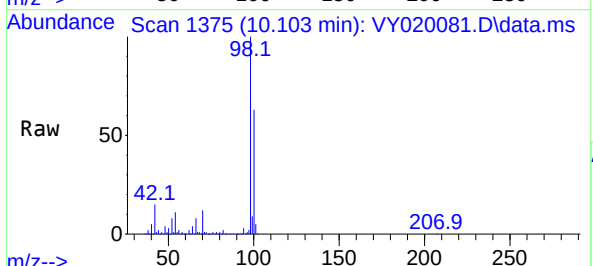


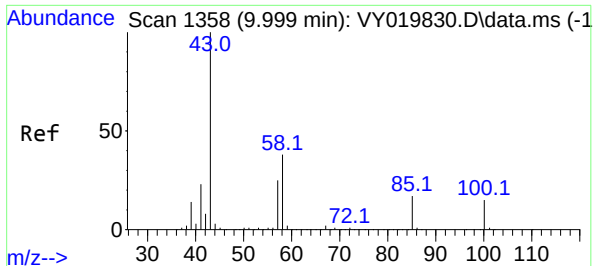
Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 104.6 0.0 0.0#
58 70.8 49.3 73.9



#50
Toluene-d8
Concen: 48.946 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

Tgt Ion: 98 Resp: 533793
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0

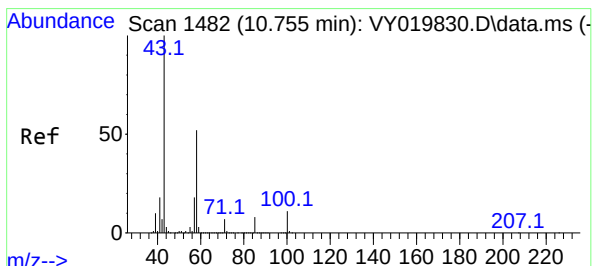
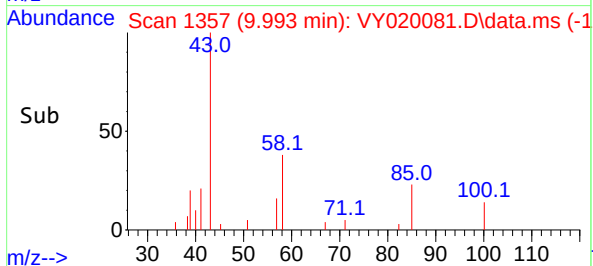
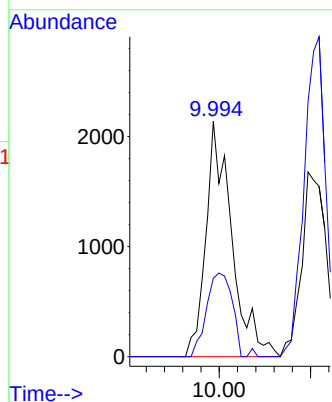
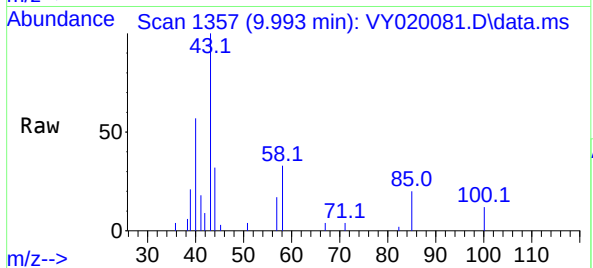




#51
4-Methyl-2-Pentanone
Concen: 2.092 ug/l
RT: 9.993 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

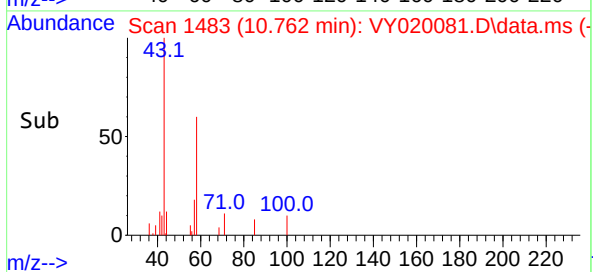
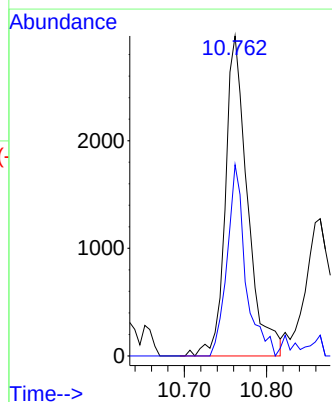
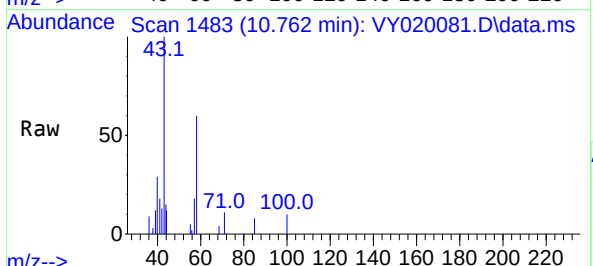
Instrument :
MSVOA_Y
ClientSampleId :

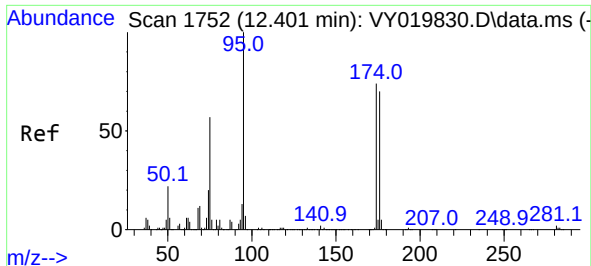
Tgt Ion: 43 Resp: 4183
Ion Ratio Lower Upper
43 100
58 35.2 35.7 53.5#



#59
2-Hexanone
Concen: 3.883 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

Tgt Ion: 43 Resp: 5566
Ion Ratio Lower Upper
43 100
58 49.9 31.4 94.0

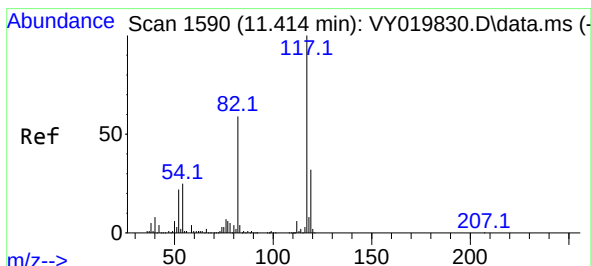
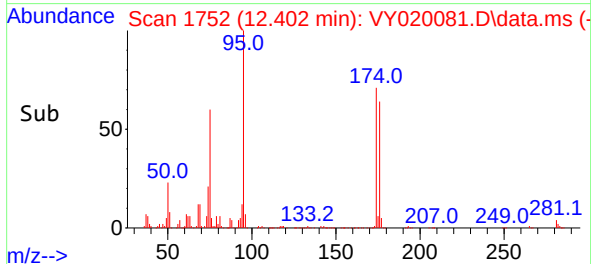
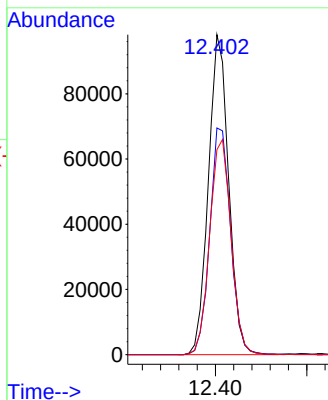
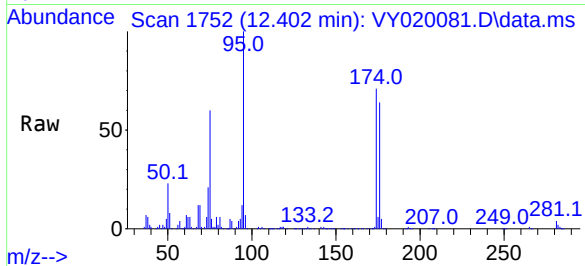




#62
4-Bromofluorobenzene
Concen: 42.629 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

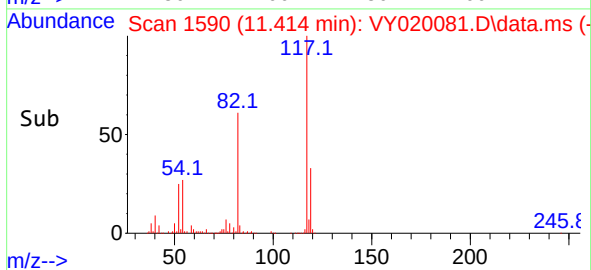
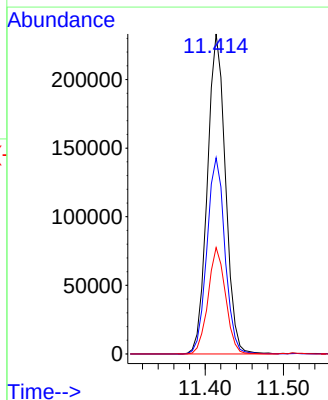
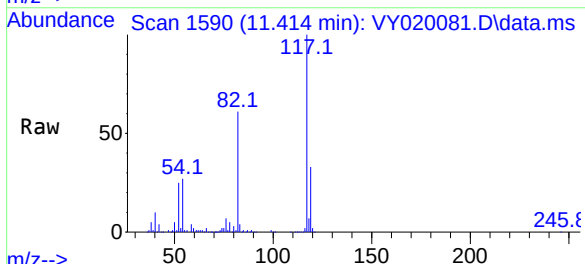
Instrument :
MSVOA_Y
ClientSampleId :

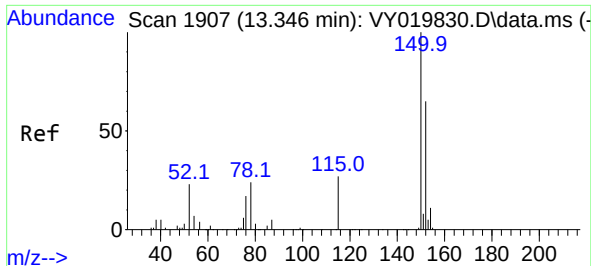
Tgt Ion: 95 Resp: 151008
Ion Ratio Lower Upper
95 100
174 72.8 0.0 175.6
176 70.8 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

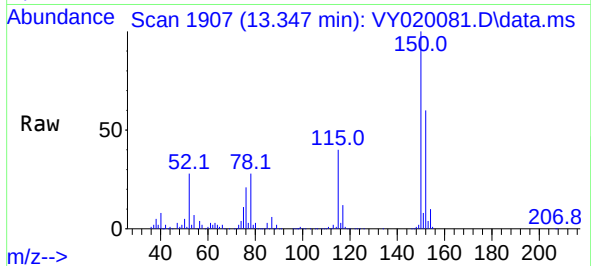
Tgt Ion: 117 Resp: 373996
Ion Ratio Lower Upper
117 100
82 61.3 42.4 63.6
119 33.2 25.9 38.9



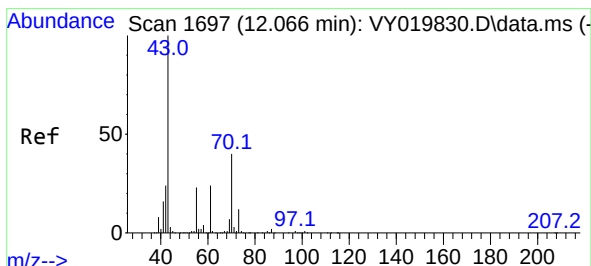
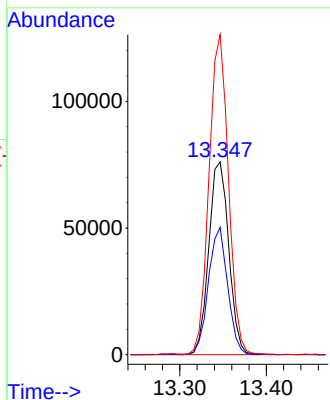
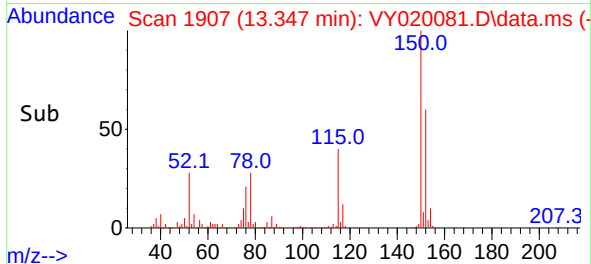


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

Instrument :
MSVOA_Y
ClientSampleId :

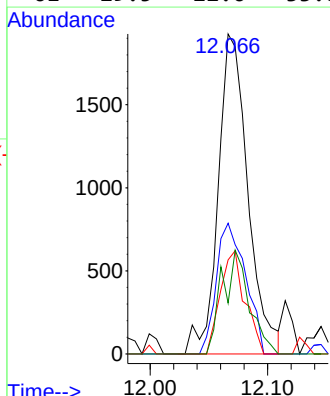
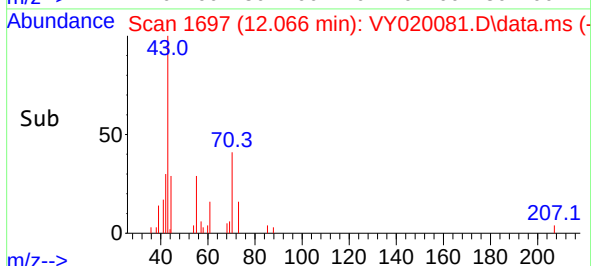
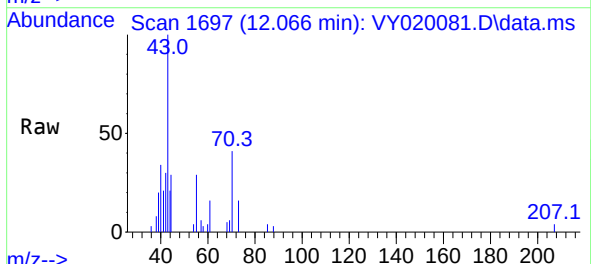


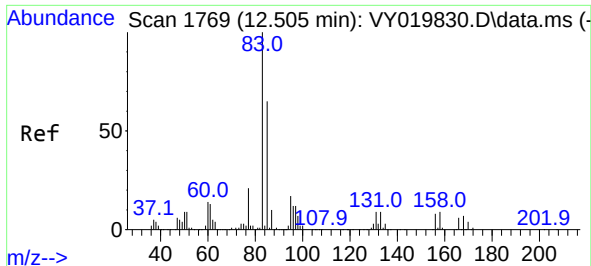
Tgt Ion:152 Resp: 122196
Ion Ratio Lower Upper
152 100
115 63.3 28.2 84.7
150 161.0 0.0 345.6



#74
N-ethyl acetate
Concen: 1.393 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

Tgt Ion: 43 Resp: 3398
Ion Ratio Lower Upper
43 100
70 40.1 41.4 62.2#
55 26.8 23.3 34.9
61 29.5 22.6 33.8

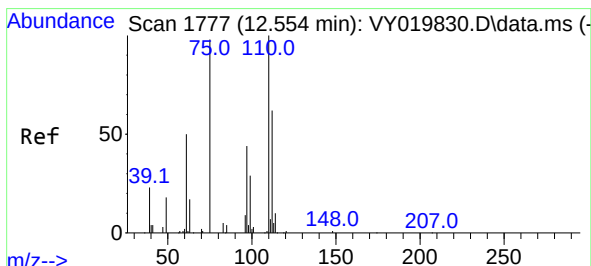
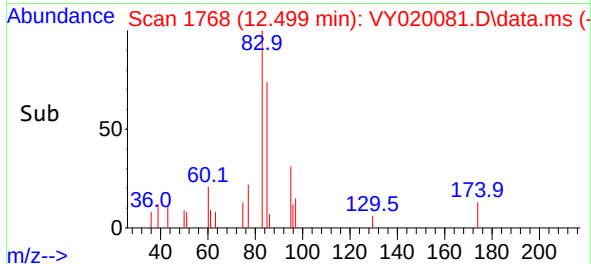
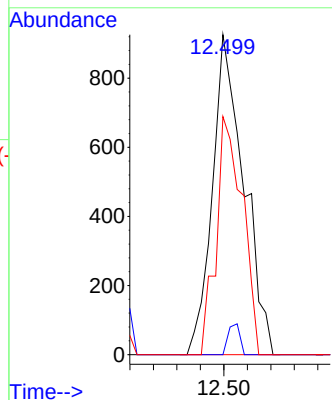
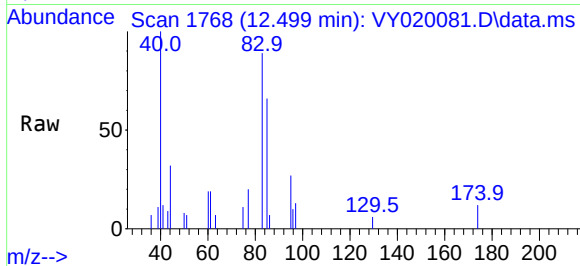




#75
1,1,2,2-Tetrachloroethane
Concen: 1.006 ug/l
RT: 12.499 min Scan# 1718
Delta R.T. -0.012 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

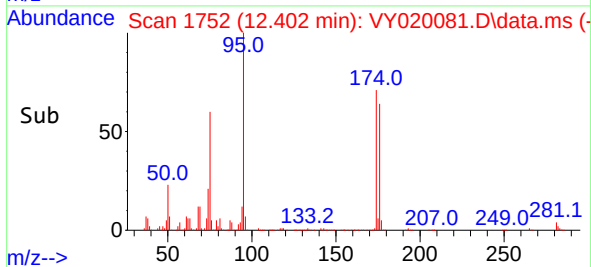
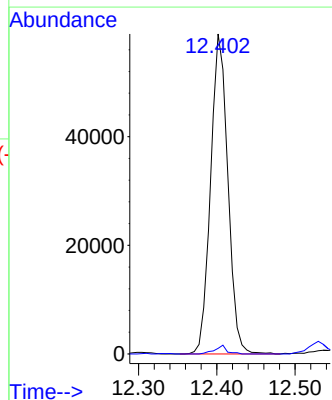
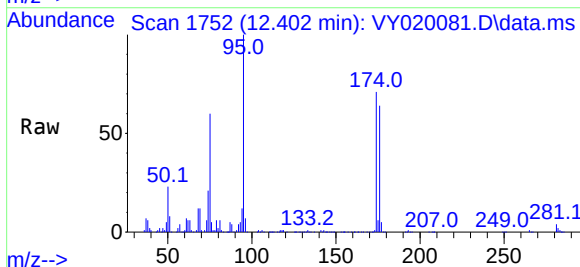
Instrument :
MSVOA_Y
ClientSampleId :

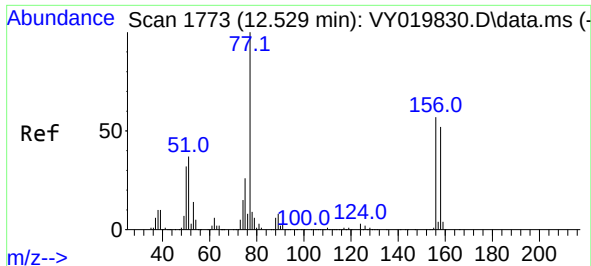
Tgt Ion: 83 Resp: 1718
Ion Ratio Lower Upper
83 100
131 3.6 5.0 14.9#
85 61.9 32.0 96.0



#76
1,2,3-Trichloropropane
Concen: 78.629 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

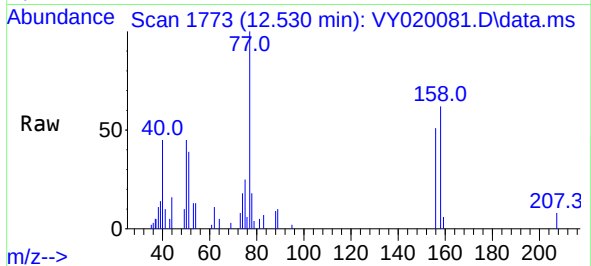
Tgt Ion: 75 Resp: 90066
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



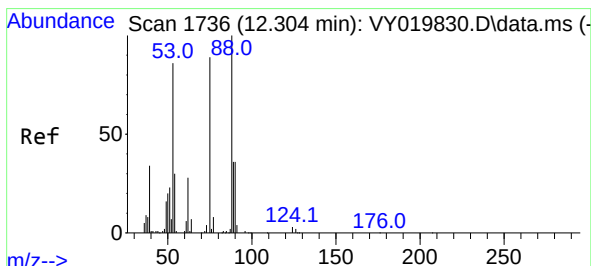
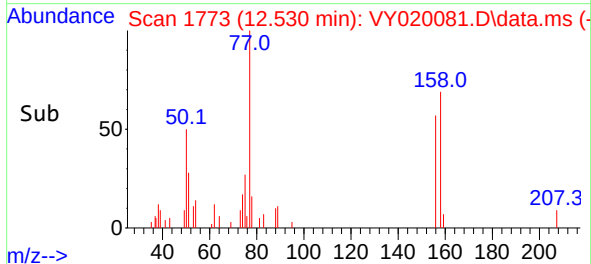
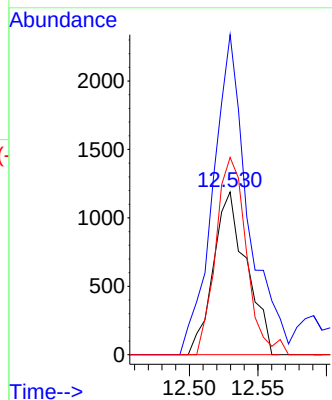


#77
Bromobenzene
Concen: 1.013 ug/l
RT: 12.530 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

Instrument :
MSVOA_Y
ClientSampleId :

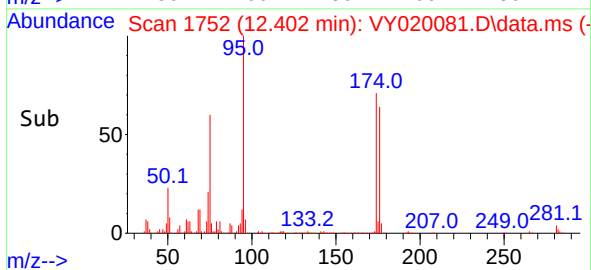
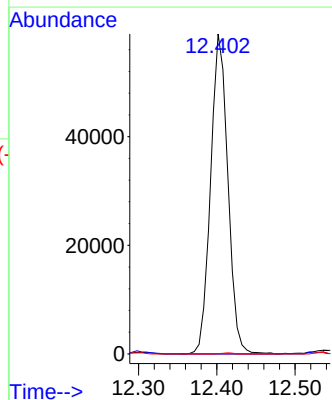
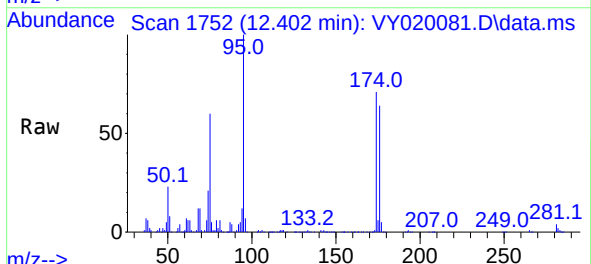


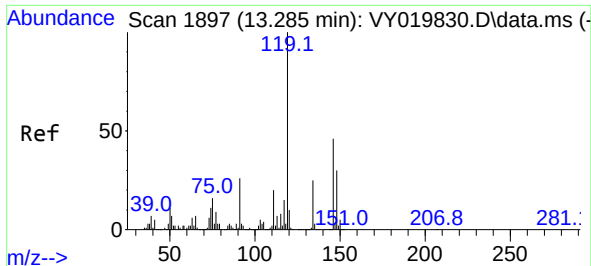
Tgt Ion:156 Resp: 1999
Ion Ratio Lower Upper
156 100
77 209.1 87.1 261.3
158 112.4 48.6 145.9



#81
trans-1,4-Dichloro-2-butene
Concen: 169.128 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

Tgt Ion: 75 Resp: 90066
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.2 35.8 53.6#





#87

1,3-Dichlorobenzene

Concen: 1.227 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.006 min

Lab File: VY020081.D

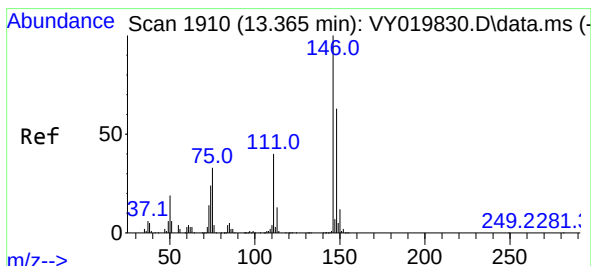
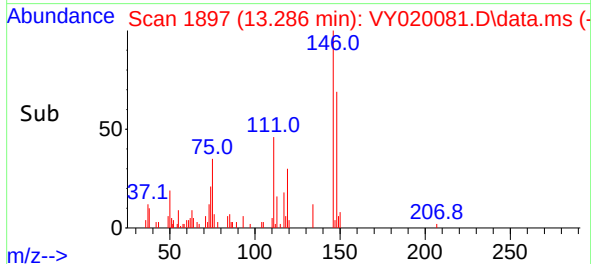
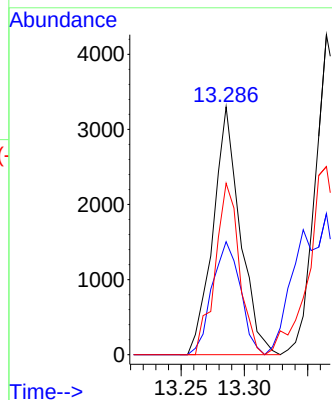
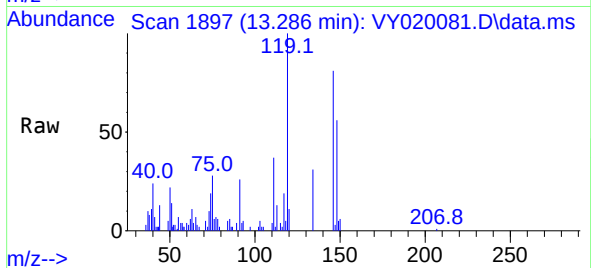
Acq: 30 Oct 2024 15:15

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:146	Resp:	4921
Ion	Ratio	Lower Upper
146	100	
111	47.5	19.0 57.0
148	61.6	31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 1.232 ug/l

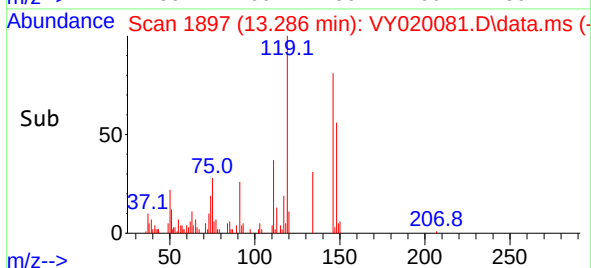
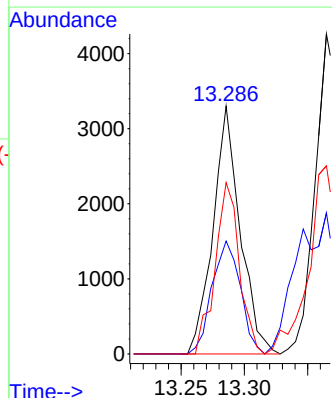
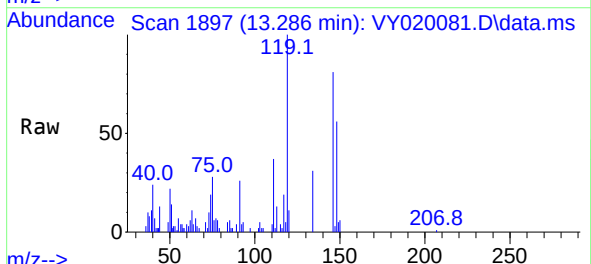
RT: 13.286 min Scan# 1897

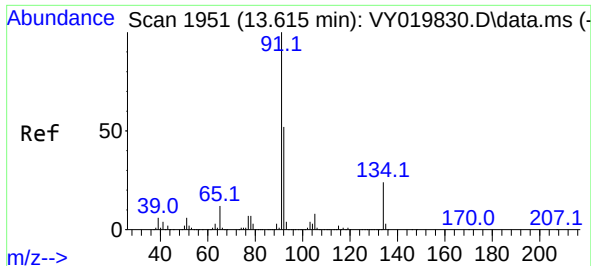
Delta R.T. -0.085 min

Lab File: VY020081.D

Acq: 30 Oct 2024 15:15

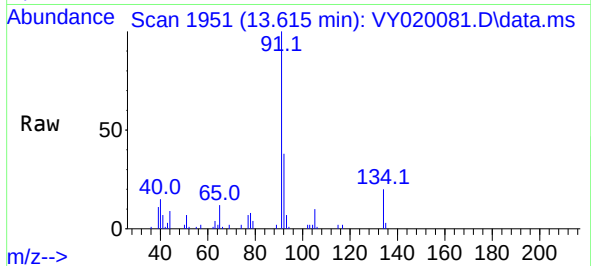
Tgt Ion:146	Resp:	4921
Ion	Ratio	Lower Upper
146	100	
111	47.5	18.4 55.4
148	61.6	32.4 97.2





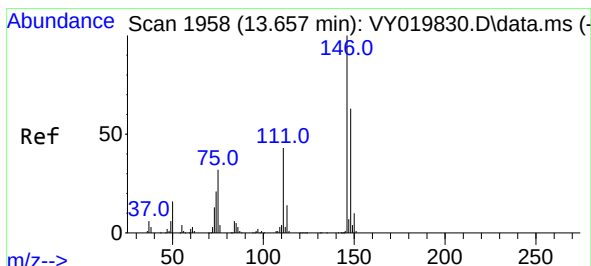
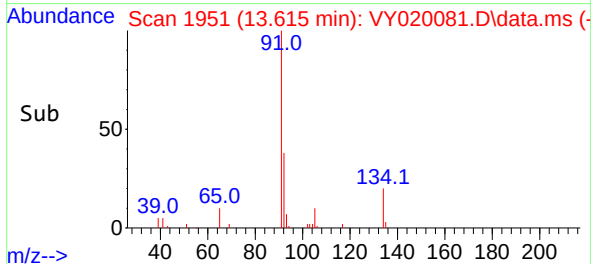
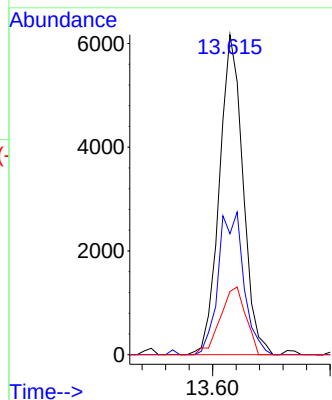
#89
n-Butylbenzene
Concen: 1.015 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. -0.006 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 91 Resp: 8592

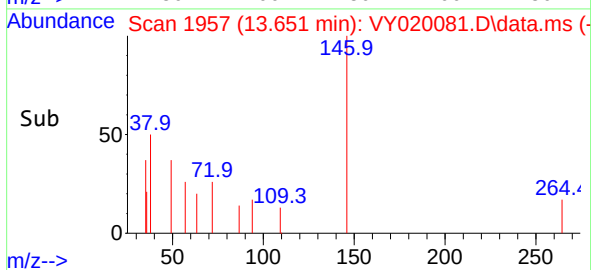
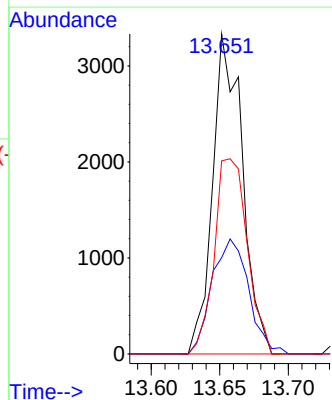
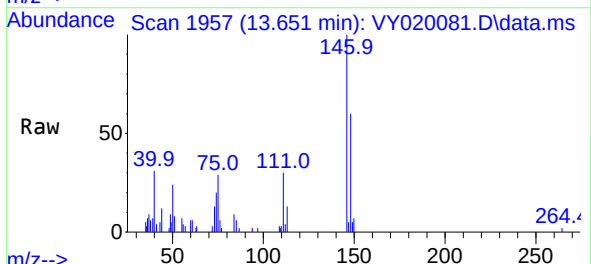
Ion	Ratio	Lower	Upper
91	100		
92	48.3	26.6	79.7
134	22.9	12.9	38.7

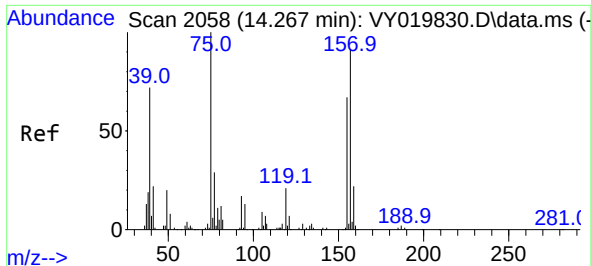


#91
1,2-Dichlorobenzene
Concen: 1.446 ug/l
RT: 13.651 min Scan# 1957
Delta R.T. -0.006 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

Tgt Ion: 146 Resp: 5041

Ion	Ratio	Lower	Upper
146	100		
111	44.3	19.9	59.7
148	67.8	31.8	95.4

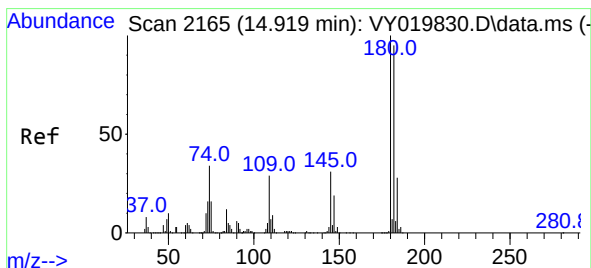
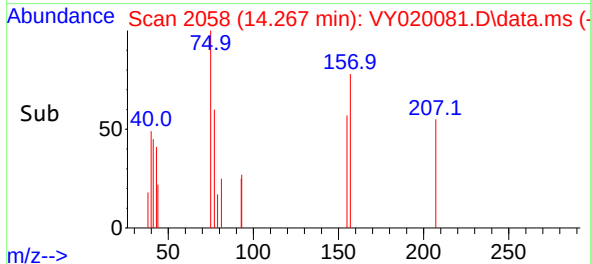
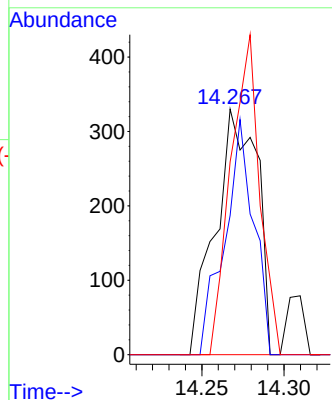
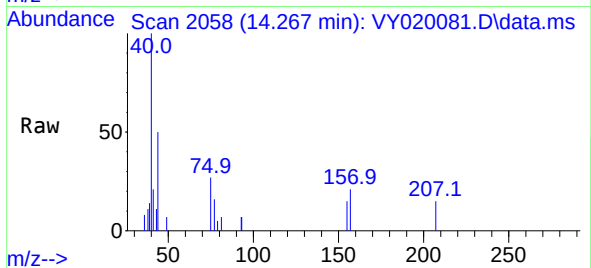




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.248 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. -0.006 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

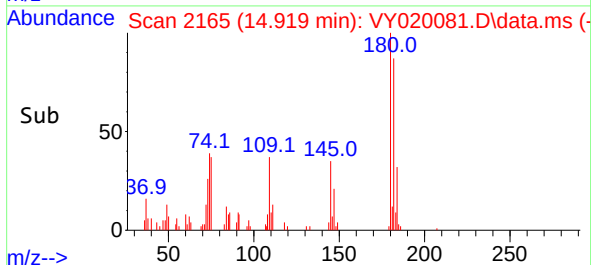
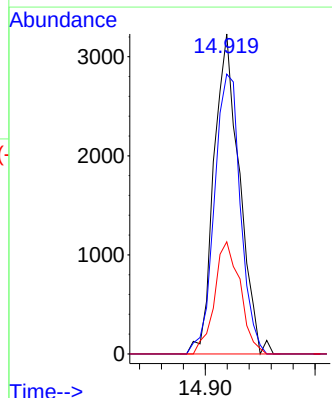
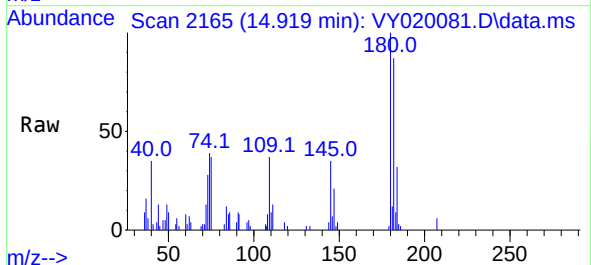
Instrument :
MSVOA_Y
ClientSampleId :

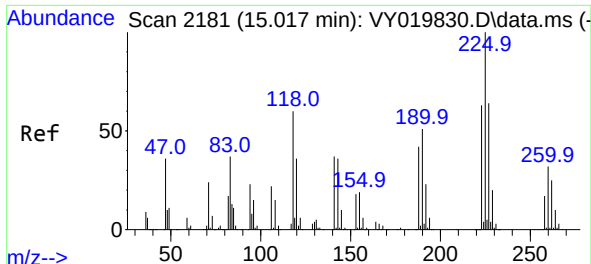
Tgt Ion: 75 Resp: 582
Ion Ratio Lower Upper
75 100
155 66.8 48.6 145.8
157 90.2 62.7 188.2



#93
1,2,4-Trichlorobenzene
Concen: 2.784 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

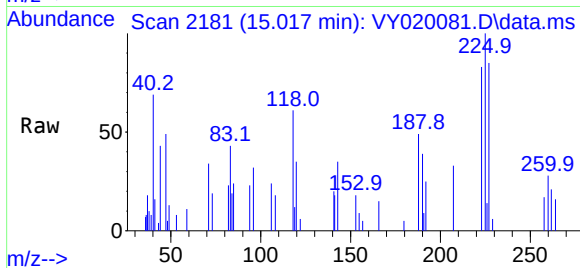
Tgt Ion:180 Resp: 5213
Ion Ratio Lower Upper
180 100
182 89.5 47.9 143.8
145 35.4 14.2 42.6



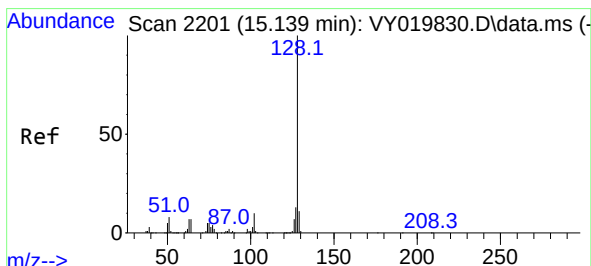
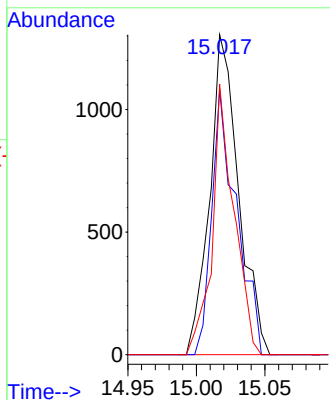
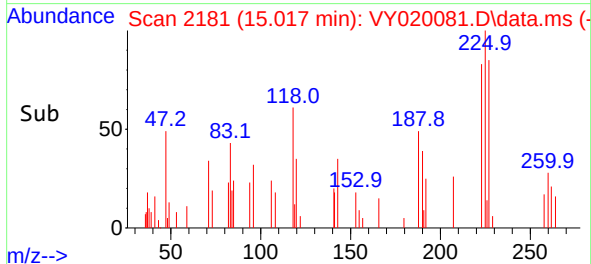


#94
Hexachlorobutadiene
Concen: 1.871 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. -0.006 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

Instrument :
MSVOA_Y
ClientSampleId :

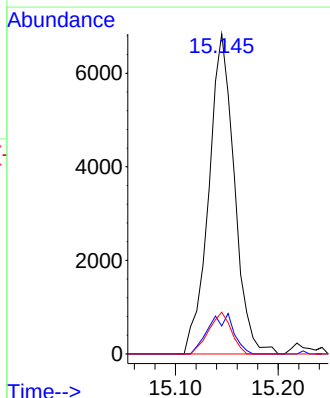
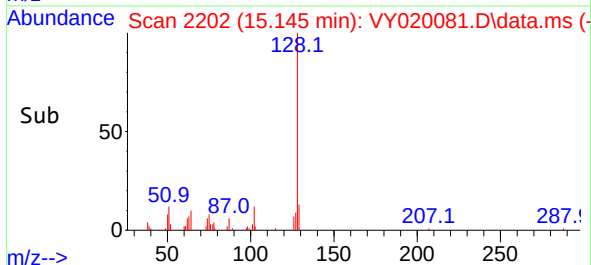
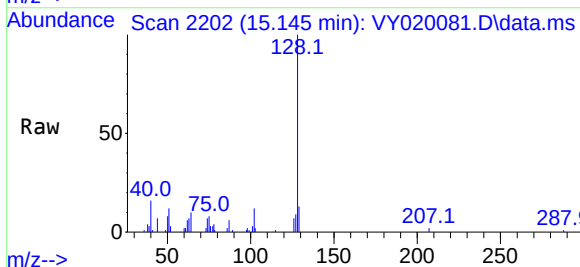


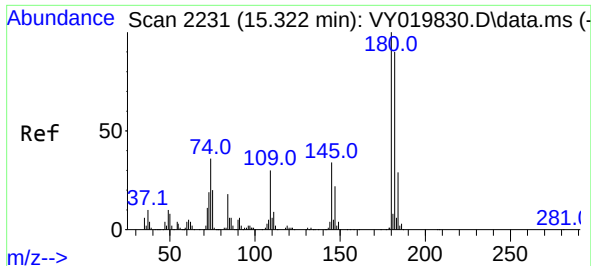
Tgt Ion:225 Resp: 1916
Ion Ratio Lower Upper
225 100
223 70.8 30.4 91.2
227 63.6 31.9 95.9



#95
Naphthalene
Concen: 3.379 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY020081.D
Acq: 30 Oct 2024 15:15

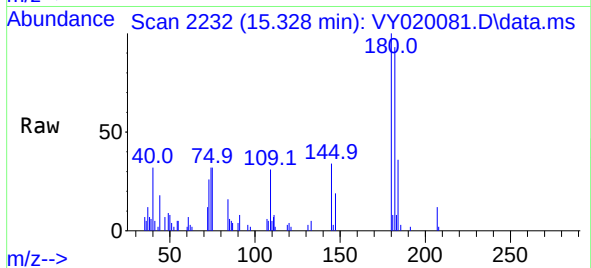
Tgt Ion:128 Resp: 11830
Ion Ratio Lower Upper
128 100
127 12.6 10.6 16.0
129 11.5 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 3.499 ug/l
 RT: 15.328 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY020081.D
 Acq: 30 Oct 2024 15:15

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	180	Resp:	5562
Ion	Ratio	Lower	Upper
180	100		
182	91.5	47.6	142.9
145	32.9	15.4	46.1

