

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103124\
 Data File : VY020090.D
 Acq On : 31 Oct 2024 13:29
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 01 03:46:53 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)

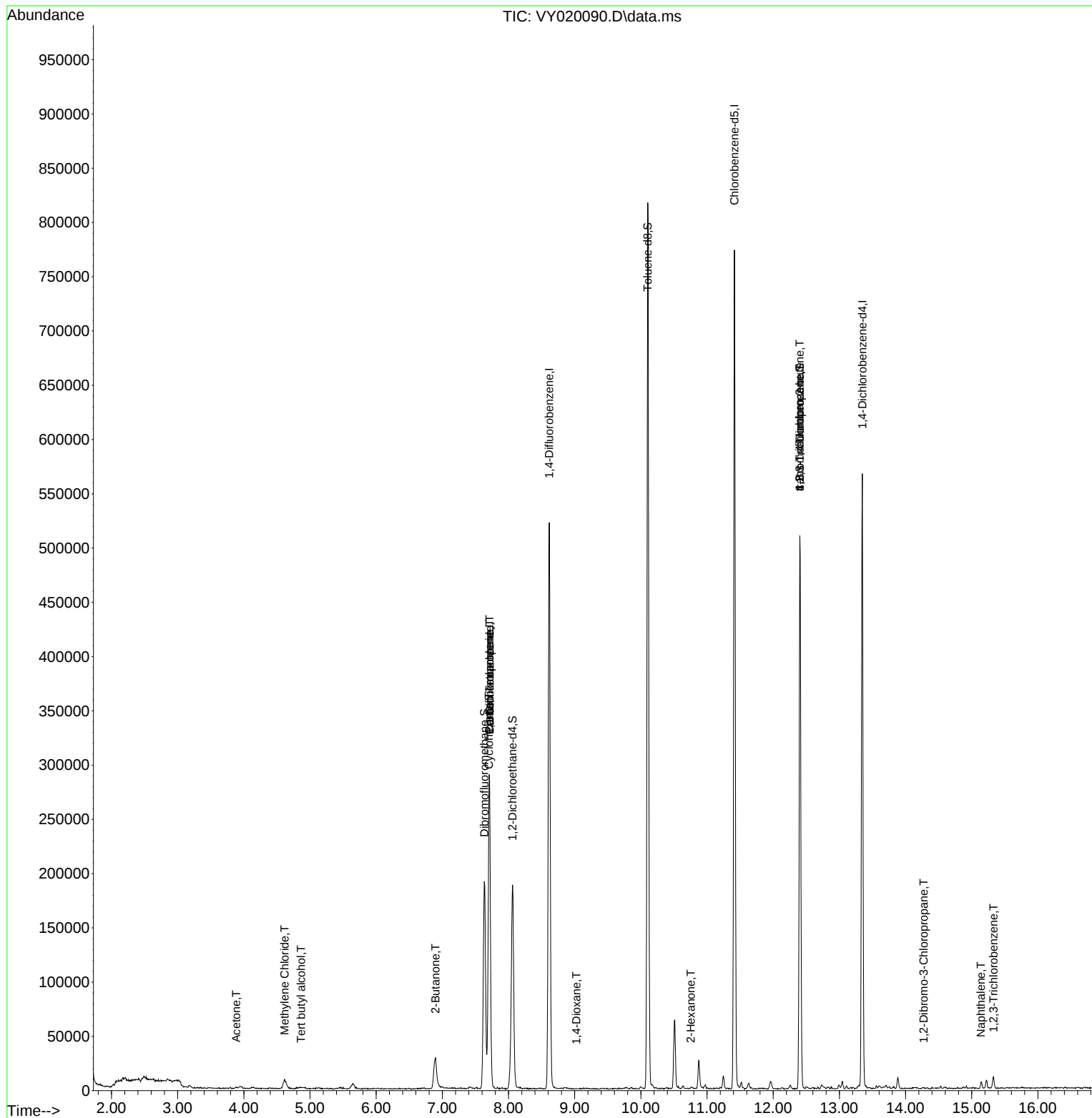
Internal Standards						
1) Pentafluorobenzene	7.713	168	201822	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	416049	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	371039	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	136059	54.016	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.040%	
35) Dibromofluoromethane	7.634	113	133620	50.514	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.020%	
50) Toluene-d8	10.103	98	511448	48.574	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.140%	
62) 4-Bromofluorobenzene	12.401	95	149755	43.788	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 87.580%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.866	59	676	3.731	ug/l	# 72
16) Acetone	3.885	43	1523	2.600	ug/l	# 80
20) Methylene Chloride	4.616	84	5689	2.162	ug/l	# 79
25) 2-Butanone	6.896	43	1817	2.288	ug/l	# 41
31) Cyclohexane	7.701	56	6308	1.380	ug/l	# 63
36) 1,1-Dichloropropene	7.713	75	21777	5.329	ug/l	# 47
38) Carbon Tetrachloride	7.713	117	22612	5.503	ug/l	# 18
49) 1,4-Dioxane	9.024	88	21	1.319	ug/l	# 56
59) 2-Hexanone	10.755	43	1577	1.140	ug/l	67
76) 1,2,3-Trichloropropane	12.401	75	86758	73.942	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.401	75	86758	159.046	ug/l	# 16
92) 1,2-Dibromo-3-Chloropr...	14.273	75	419	1.580	ug/l	# 21
95) Naphthalene	15.139	128	4139	1.154	ug/l	# 92
96) 1,2,3-Trichlorobenzene	15.328	180	2542	1.561	ug/l	# 86

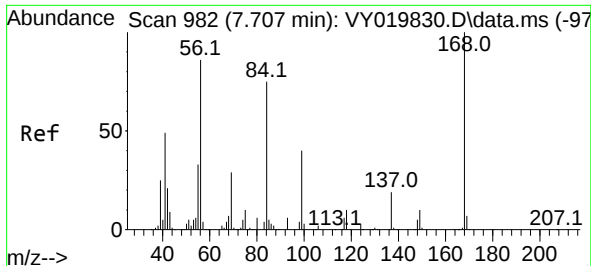
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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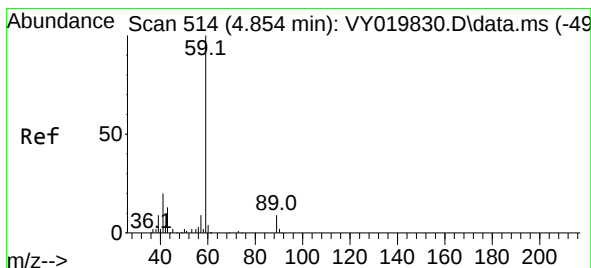
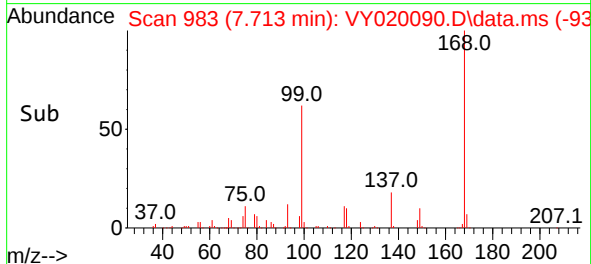
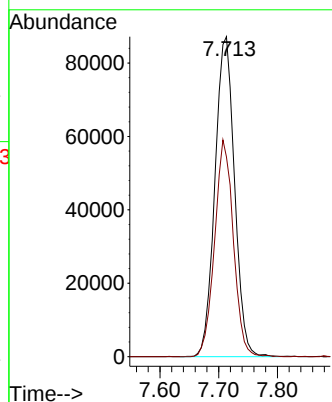
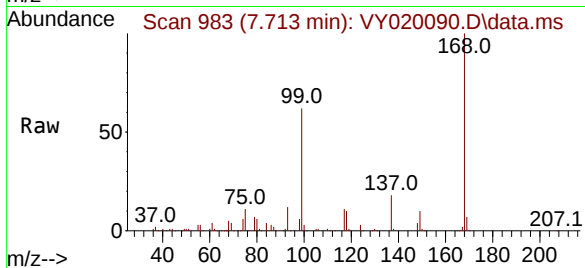




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020090.D
Acq: 31 Oct 2024 13:29

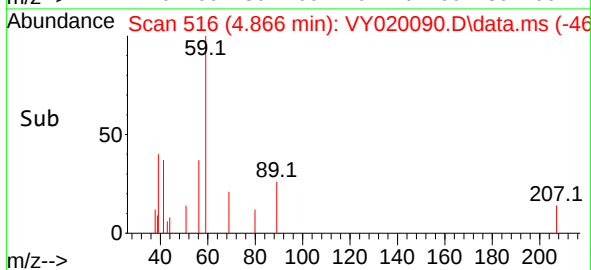
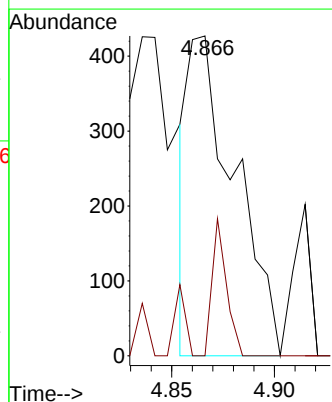
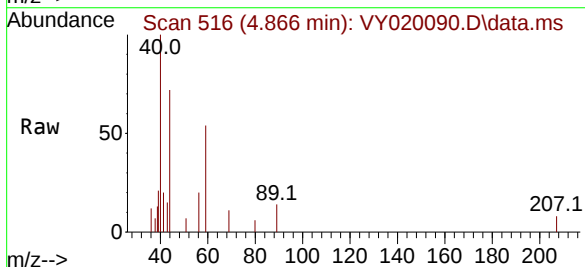
Instrument :
MSVOA_Y
ClientSampleId :

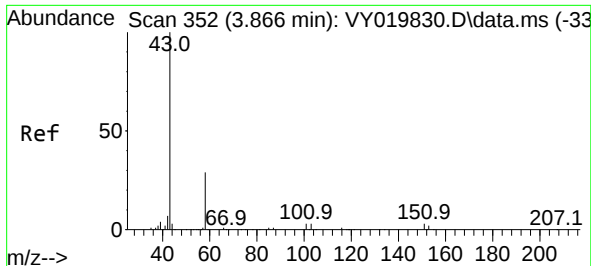
Tgt Ion:168 Resp: 201822
Ion Ratio Lower Upper
168 100
99 62.4 39.1 58.7#



#11
Tert butyl alcohol
Concen: 3.731 ug/l
RT: 4.866 min Scan# 516
Delta R.T. 0.006 min
Lab File: VY020090.D
Acq: 31 Oct 2024 13:29

Tgt Ion: 59 Resp: 676
Ion Ratio Lower Upper
59 100
57 13.2 3.0 4.6#

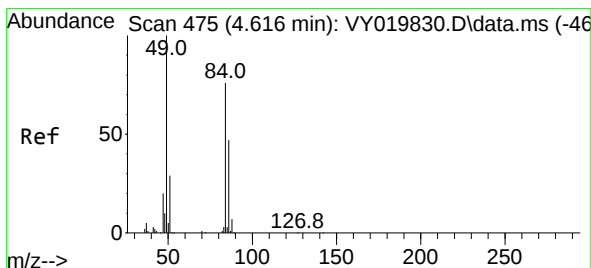
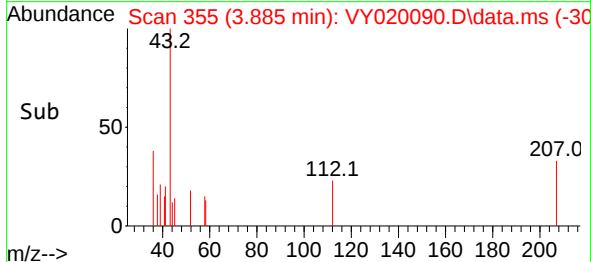
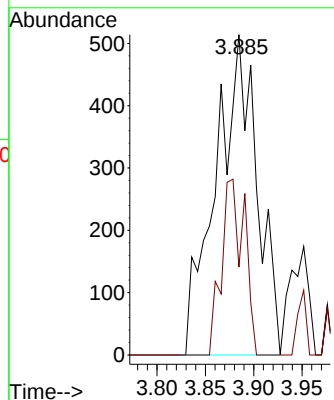
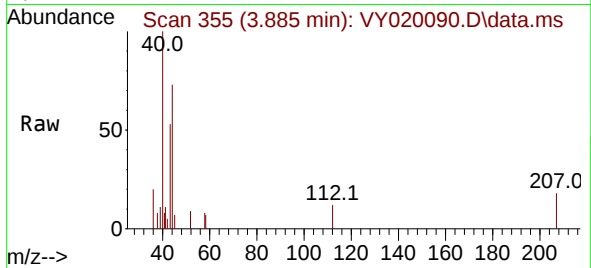




#16
Acetone
Concen: 2.600 ug/l
RT: 3.885 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY020090.D
Acq: 31 Oct 2024 13:29

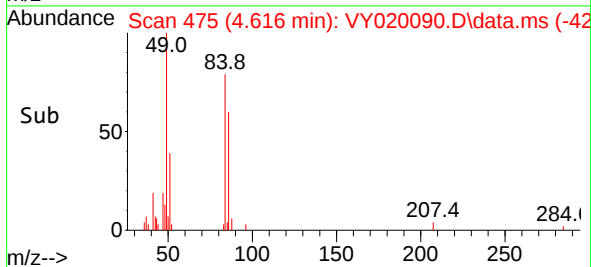
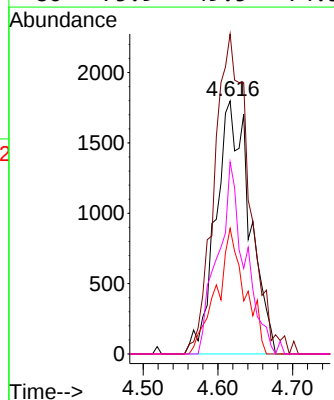
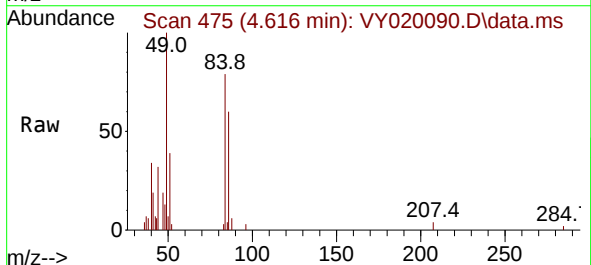
Instrument :
MSVOA_Y
ClientSampleId :

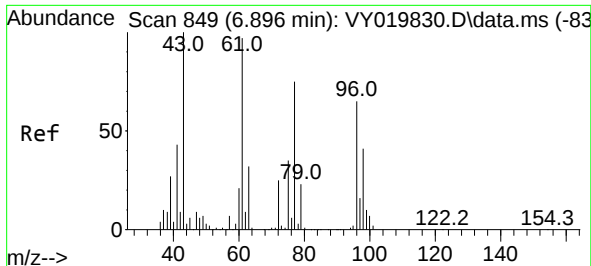
Tgt Ion: 43 Resp: 1523
Ion Ratio Lower Upper
43 100
58 27.4 31.7 47.5#



#20
Methylene Chloride
Concen: 2.162 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020090.D
Acq: 31 Oct 2024 13:29

Tgt Ion: 84 Resp: 5689
Ion Ratio Lower Upper
84 100
49 126.5 84.4 126.6
51 49.7 26.0 39.0#
86 75.9 49.5 74.3#

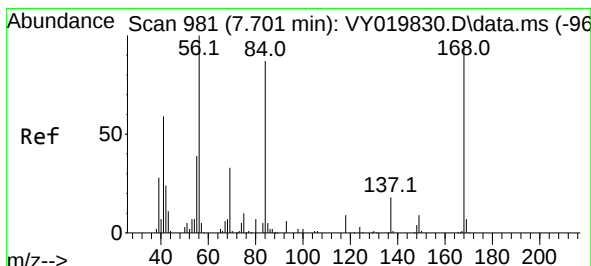
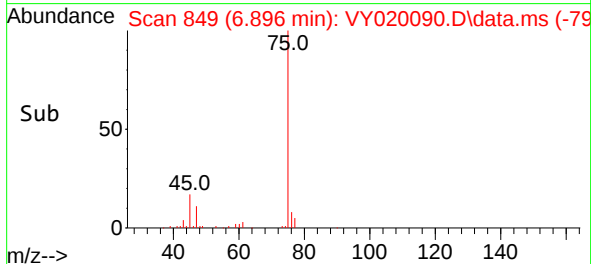
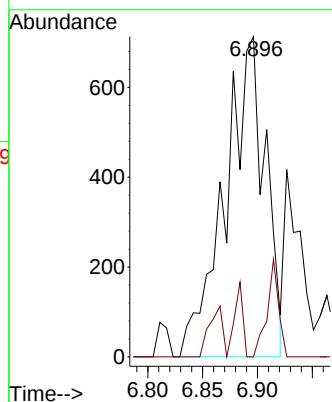
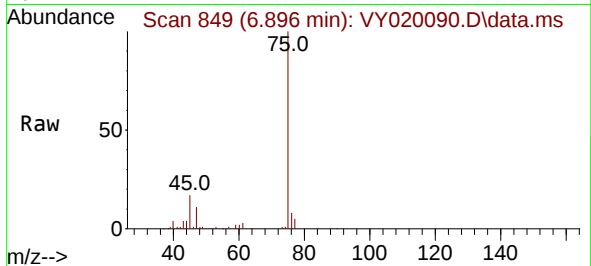




#25
2-Butanone
Concen: 2.288 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY020090.D
Acq: 31 Oct 2024 13:29

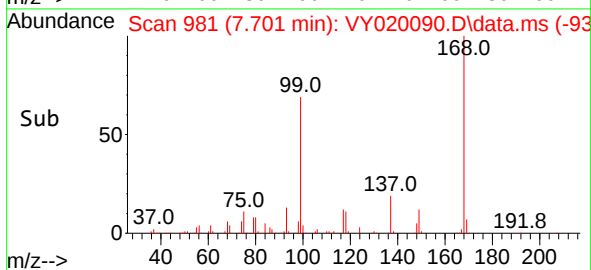
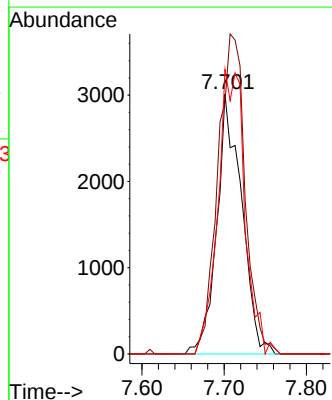
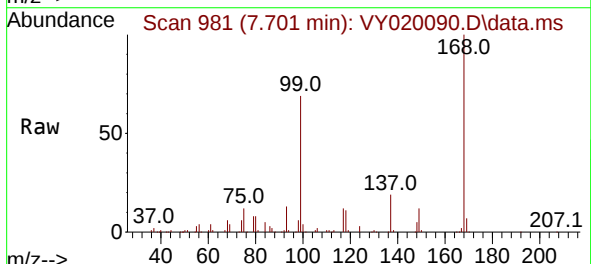
Instrument :
MSVOA_Y
ClientSampleId :

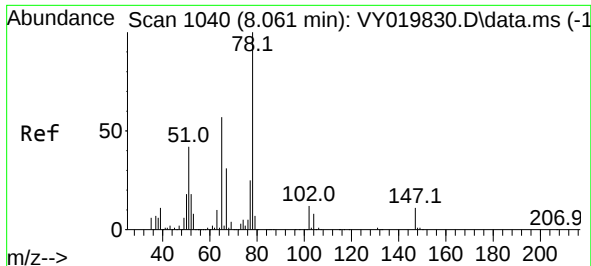
Tgt Ion: 43 Resp: 1817
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#31
Cyclohexane
Concen: 1.380 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY020090.D
Acq: 31 Oct 2024 13:29

Tgt Ion: 56 Resp: 6308
Ion Ratio Lower Upper
56 100
69 96.7 28.7 43.1#
84 109.5 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 54.016 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY020090.D

Acq: 31 Oct 2024 13:29

Instrument :

MSVOA_Y

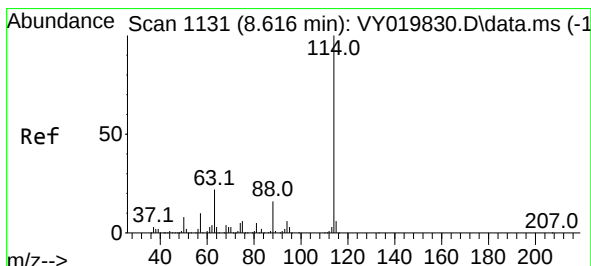
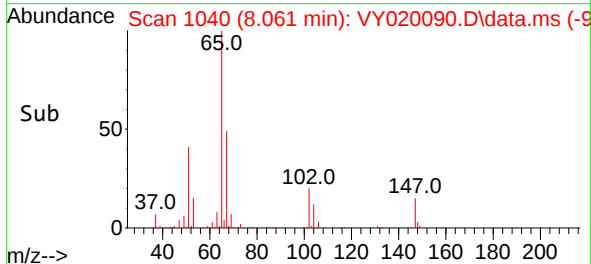
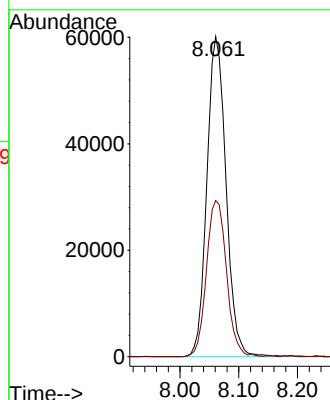
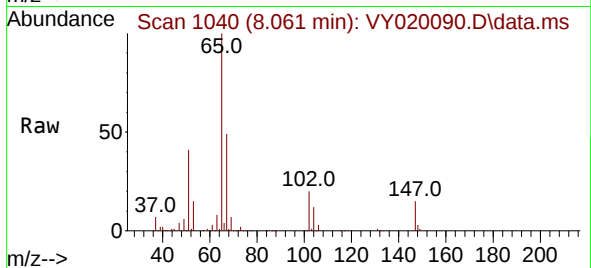
ClientSampleId :

Tgt Ion: 65 Resp: 136059

Ion Ratio Lower Upper

65 100

67 51.2 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: VY020090.D

Acq: 31 Oct 2024 13:29

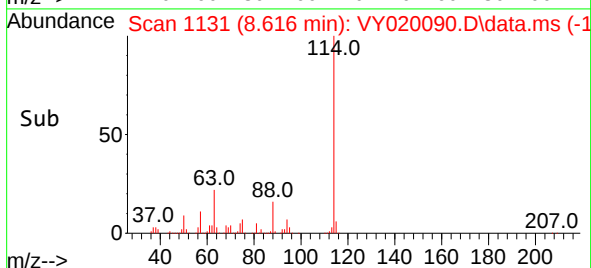
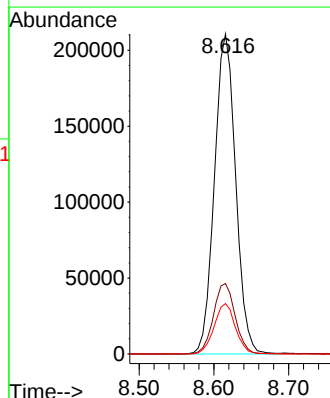
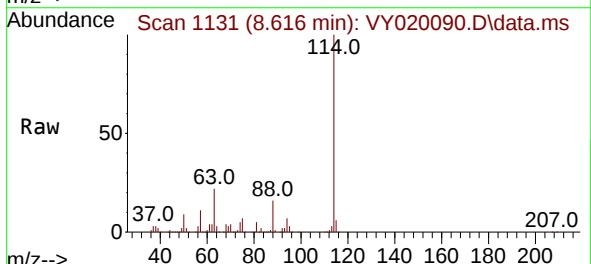
Tgt Ion:114 Resp: 416049

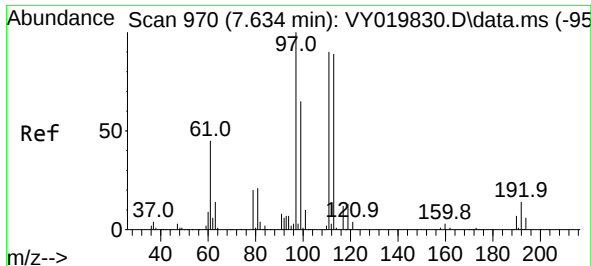
Ion Ratio Lower Upper

114 100

63 22.0 0.0 35.0

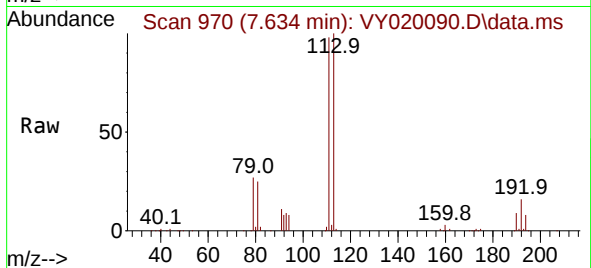
88 15.8 0.0 27.2



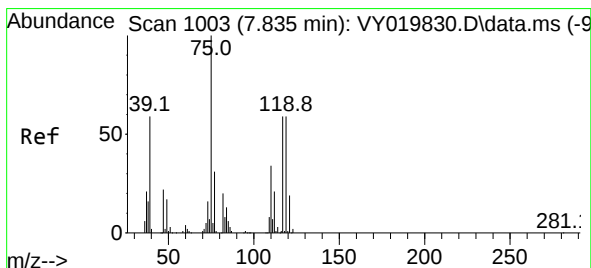
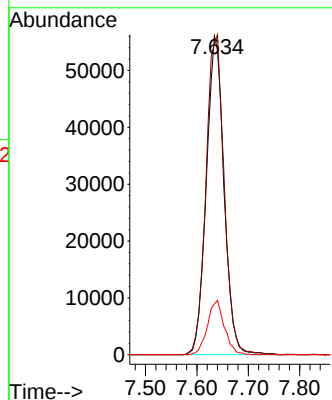
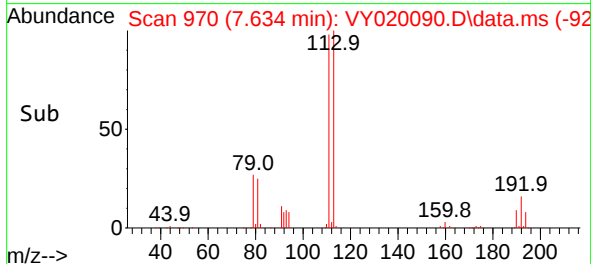


#35
Dibromofluoromethane
Concen: 50.514 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020090.D
Acq: 31 Oct 2024 13:29

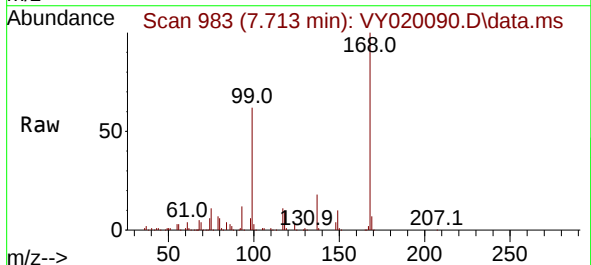
Instrument :
MSVOA_Y
ClientSampleId :



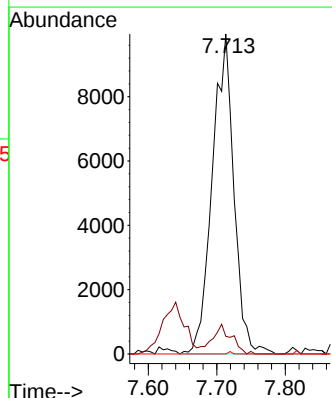
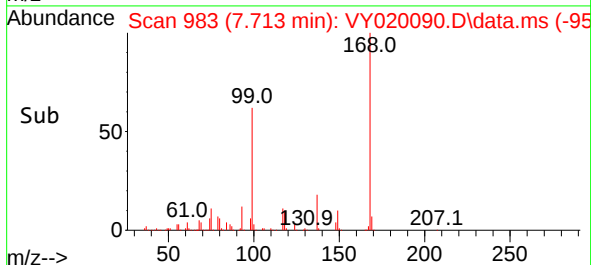
Tgt Ion:113 Resp: 133620
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.4
192 16.4 15.9 23.9

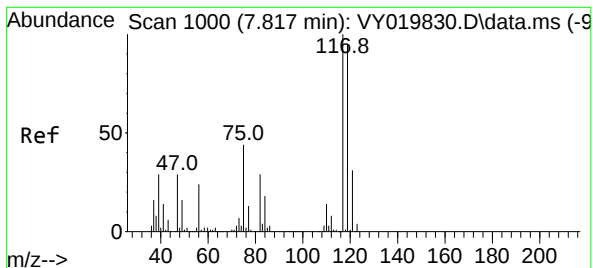


#36
1,1-Dichloropropene
Concen: 5.329 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY020090.D
Acq: 31 Oct 2024 13:29



Tgt Ion: 75 Resp: 21777
Ion Ratio Lower Upper
75 100
110 8.0 19.0 57.0#
77 0.1 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 5.503 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.103 min

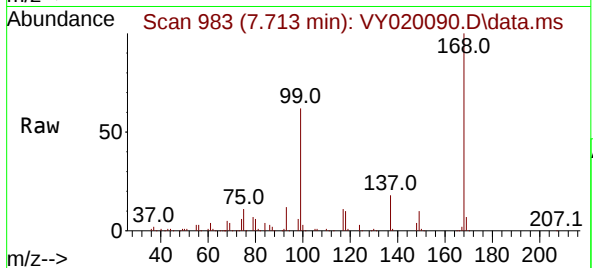
Lab File: VY020090.D

Acq: 31 Oct 2024 13:29

Instrument :

MSVOA_Y

ClientSampleId :



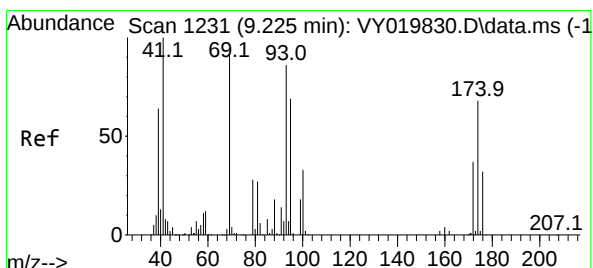
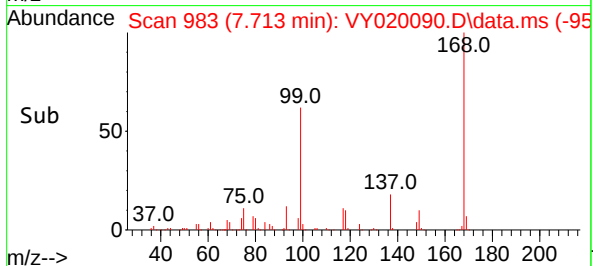
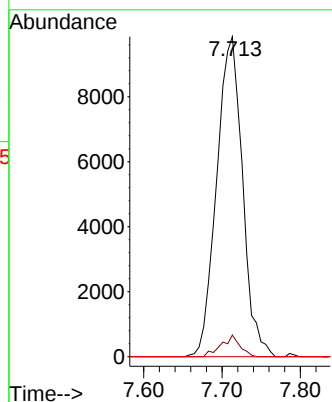
Tgt Ion:117 Resp: 22612

Ion Ratio Lower Upper

117 100

119 6.8 75.8 113.6#

121 0.0 24.0 36.0#



#49

1,4-Dioxane

Concen: 1.319 ug/l

RT: 9.024 min Scan# 1198

Delta R.T. -0.207 min

Lab File: VY020090.D

Acq: 31 Oct 2024 13:29

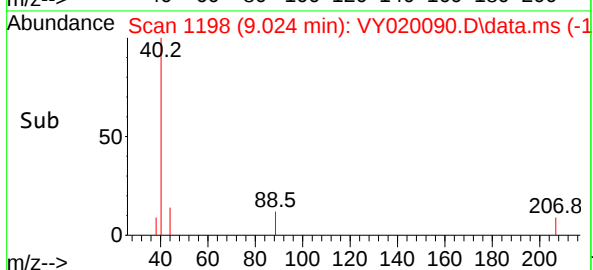
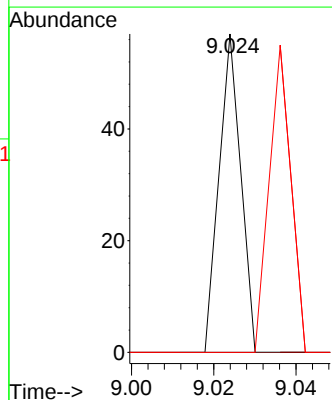
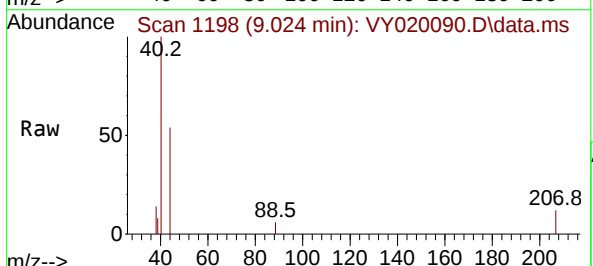
Tgt Ion: 88 Resp: 21

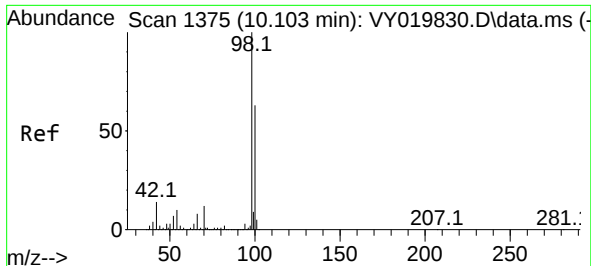
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 95.2 49.3 73.9#

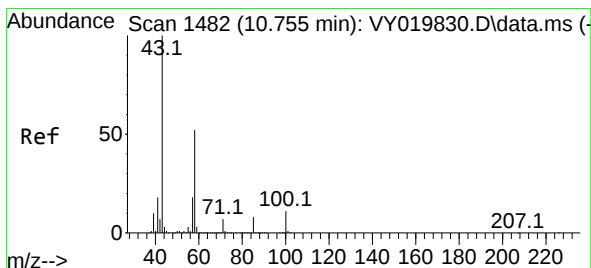
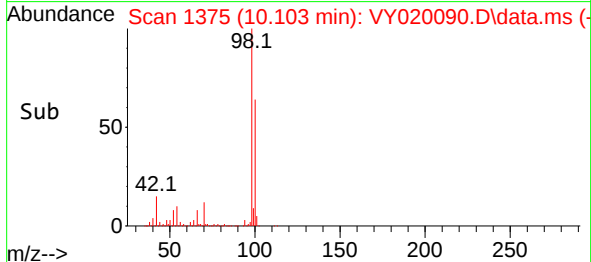
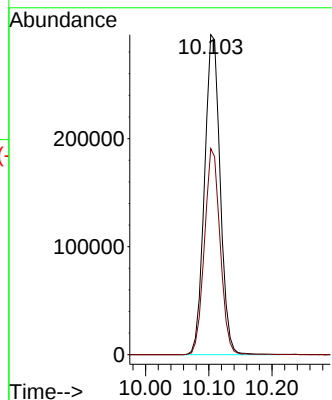
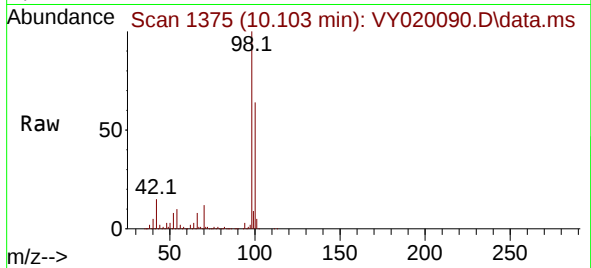




#50
Toluene-d8
Concen: 48.574 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020090.D
Acq: 31 Oct 2024 13:29

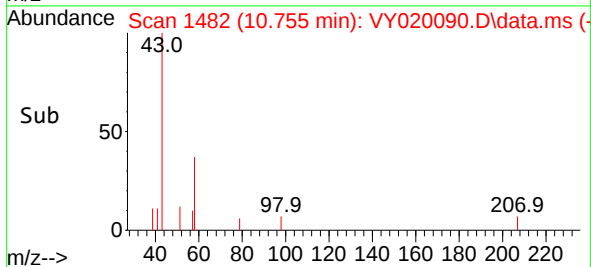
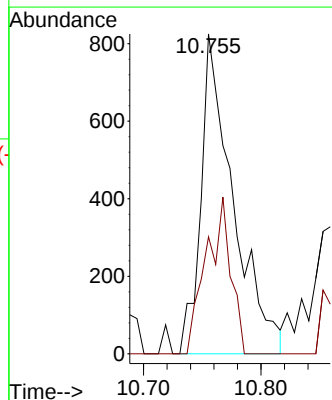
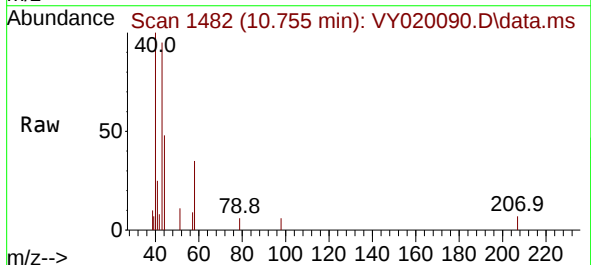
Instrument :
MSVOA_Y
ClientSampleId :

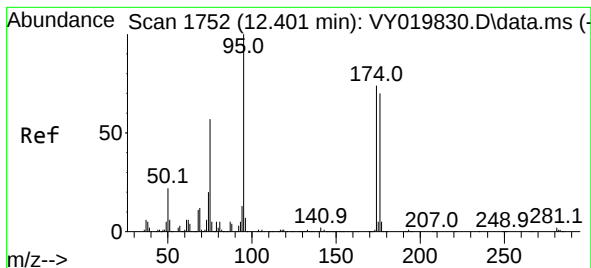
Tgt Ion: 98 Resp: 511448
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#59
2-Hexanone
Concen: 1.140 ug/l
RT: 10.755 min Scan# 1482
Delta R.T. -0.006 min
Lab File: VY020090.D
Acq: 31 Oct 2024 13:29

Tgt Ion: 43 Resp: 1577
Ion Ratio Lower Upper
43 100
58 37.3 31.4 94.0

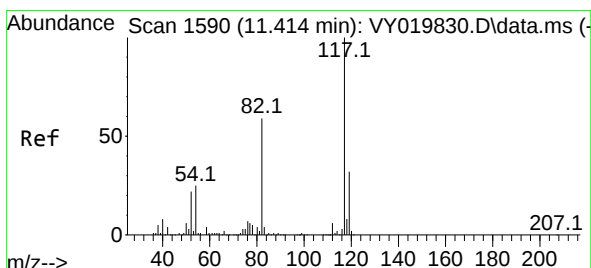
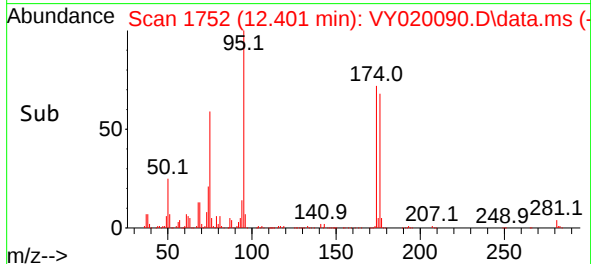
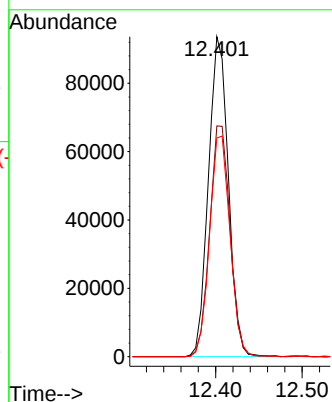
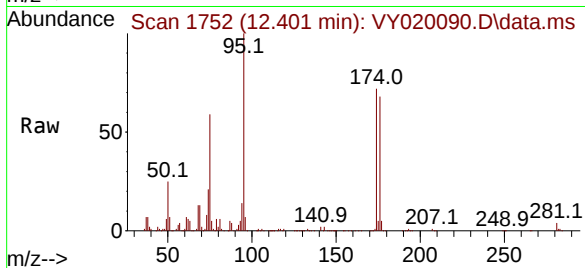




#62
4-Bromofluorobenzene
Concen: 43.788 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020090.D
Acq: 31 Oct 2024 13:29

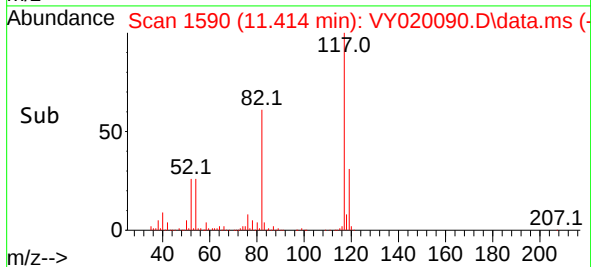
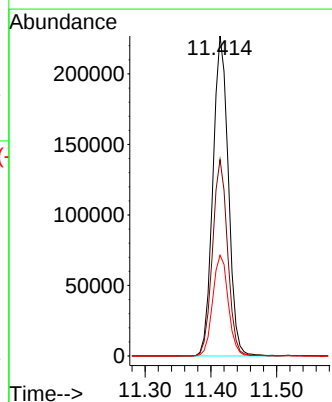
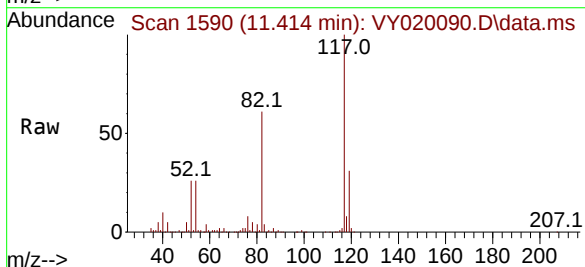
Instrument :
MSVOA_Y
ClientSampleId :

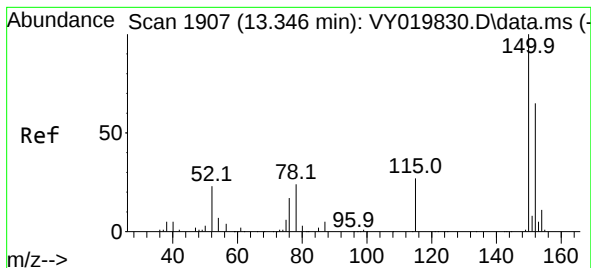
Tgt Ion: 95 Resp: 149755
Ion Ratio Lower Upper
95 100
174 73.9 0.0 175.6
176 70.7 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY020090.D
Acq: 31 Oct 2024 13:29

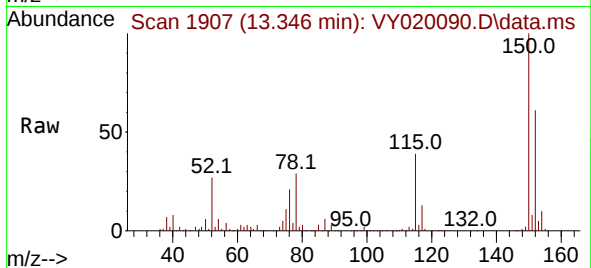
Tgt Ion: 117 Resp: 371039
Ion Ratio Lower Upper
117 100
82 61.4 42.4 63.6
119 31.4 25.9 38.9



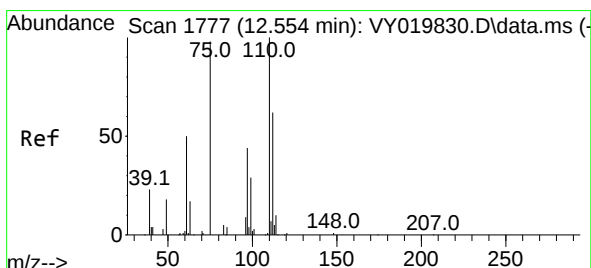
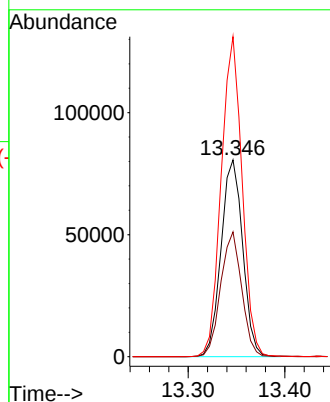
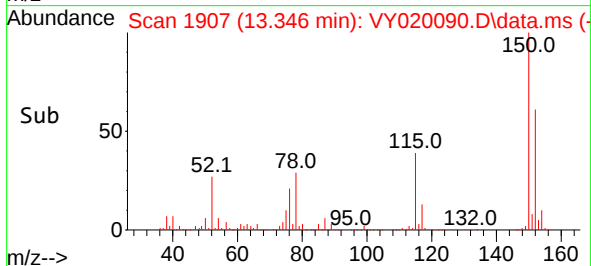


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020090.D
Acq: 31 Oct 2024 13:29

Instrument :
MSVOA_Y
ClientSampleId :

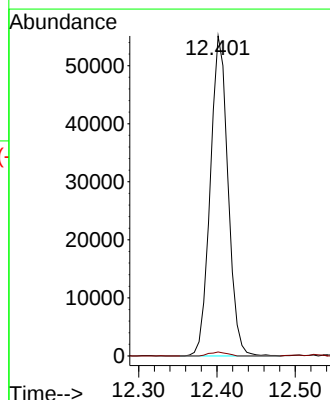
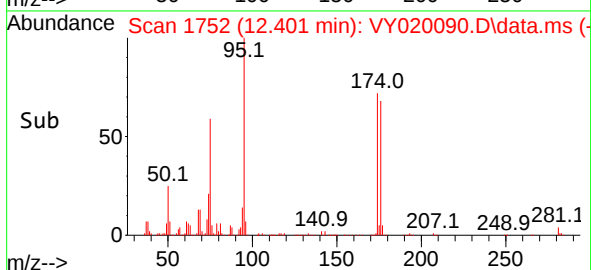
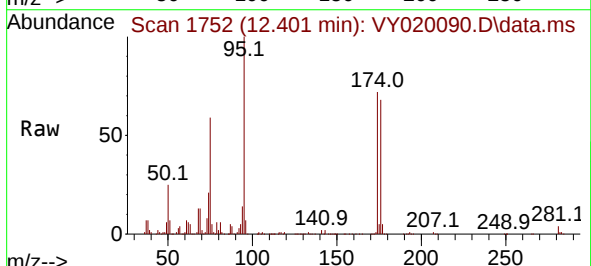


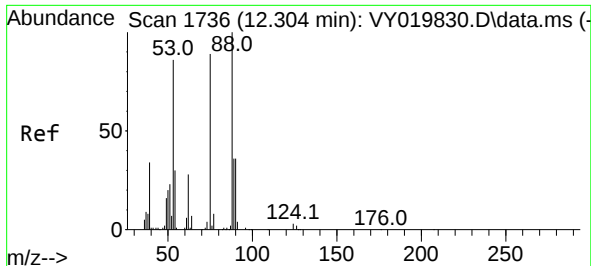
Tgt Ion:152 Resp: 125169
Ion Ratio Lower Upper
152 100
115 61.5 28.2 84.7
150 157.3 0.0 345.6



#76
1,2,3-Trichloropropane
Concen: 73.942 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY020090.D
Acq: 31 Oct 2024 13:29

Tgt Ion: 75 Resp: 86758
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

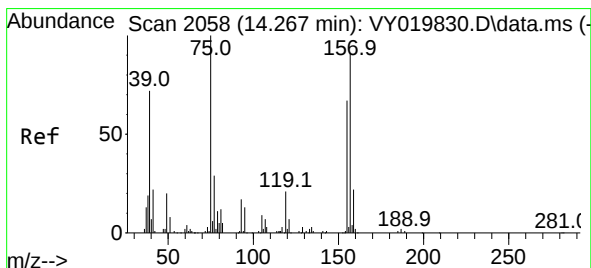
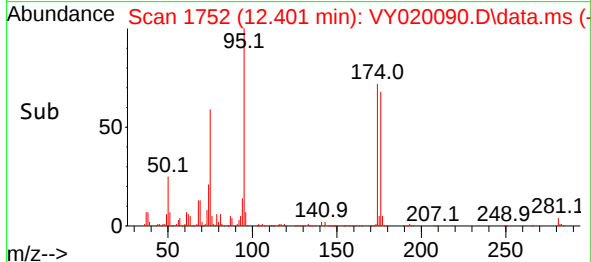
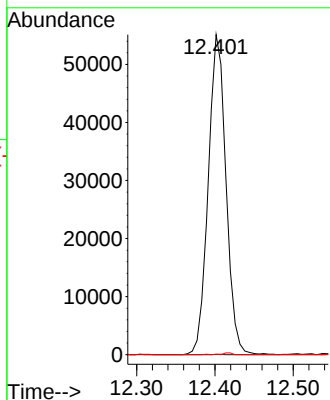
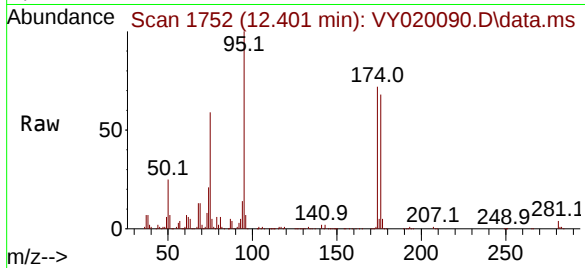




#81
trans-1,4-Dichloro-2-butene
Concen: 159.046 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY020090.D
Acq: 31 Oct 2024 13:29

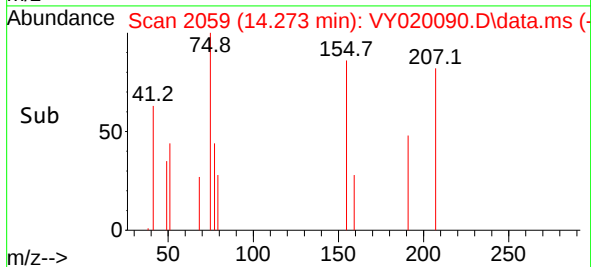
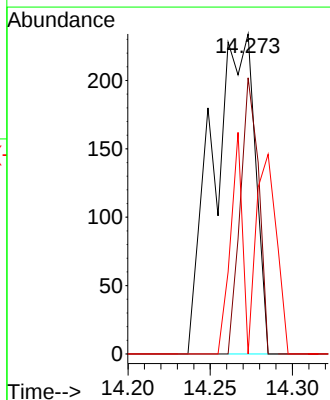
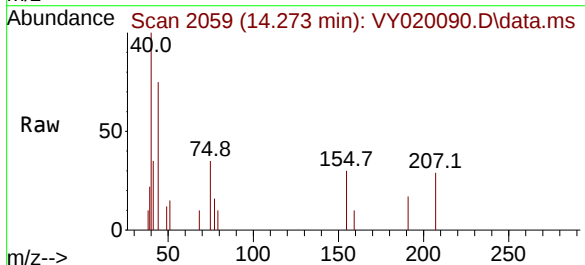
Instrument :
MSVOA_Y
ClientSampleId :

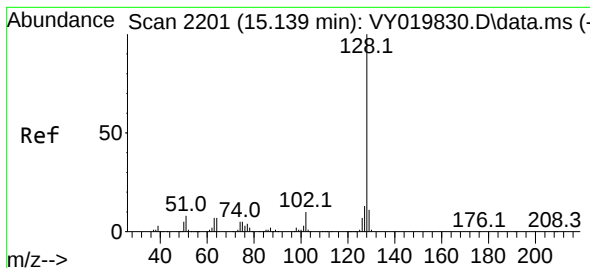
Tgt Ion: 75 Resp: 86758
Ion Ratio Lower Upper
75 100
53 0.1 66.8 100.2#
89 0.3 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.580 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY020090.D
Acq: 31 Oct 2024 13:29

Tgt Ion: 75 Resp: 419
Ion Ratio Lower Upper
75 100
155 37.2 48.6 145.8#
157 19.3 62.7 188.2#





#95

Naphthalene

Concen: 1.154 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY020090.D

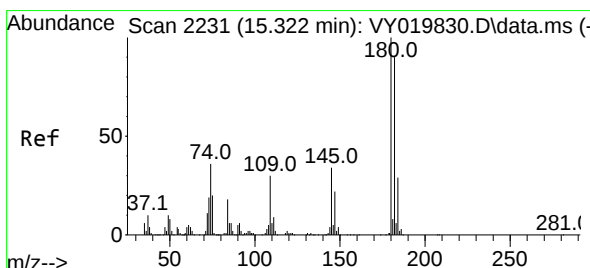
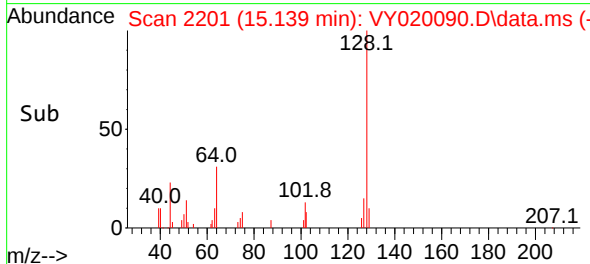
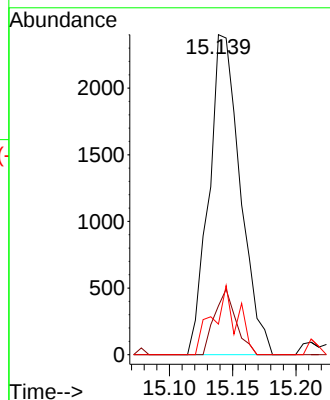
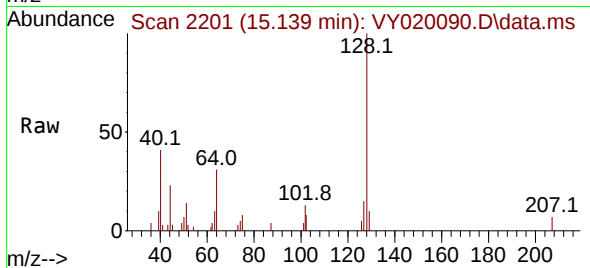
Acq: 31 Oct 2024 13:29

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:128	Resp:	4139
Ion Ratio	Lower	Upper
128	100	
127	14.0	10.6 16.0
129	16.9	8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.561 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY020090.D

Acq: 31 Oct 2024 13:29

Tgt Ion:180	Resp:	2542
Ion Ratio	Lower	Upper
180	100	
182	100.4	47.6 142.9
145	53.2	15.4 46.1#

