

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
 Data File : VY020208.D
 Acq On : 07 Nov 2024 15:44
 Operator : SY/MD
 Sample : P4722-01
 Misc : 8.93g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 00:28:24 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)

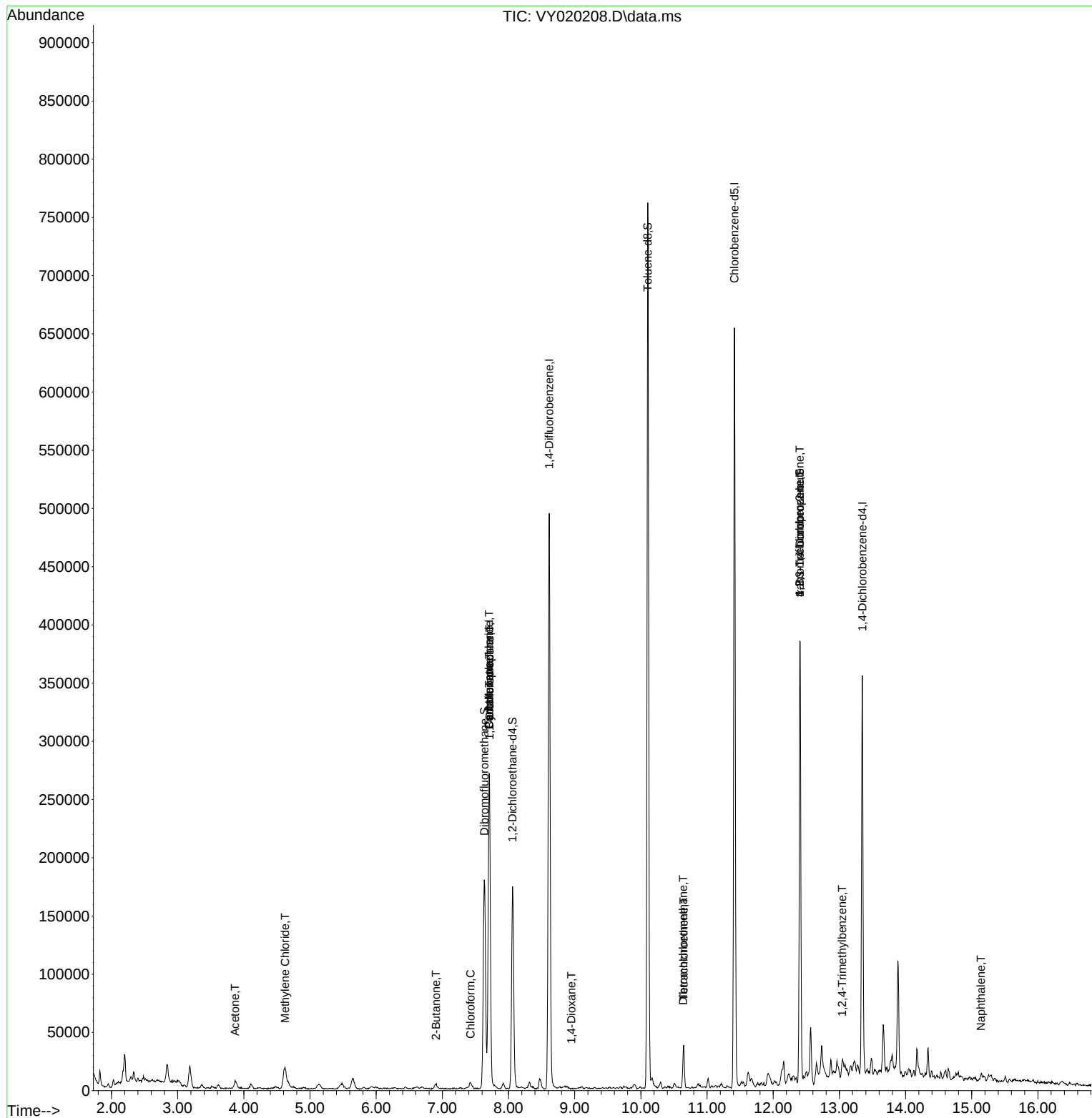
Internal Standards						
1) Pentafluorobenzene	7.707	168	186522	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	391649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	307735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	75154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132748	57.024	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.040%	
35) Dibromofluoromethane	7.634	113	127971	51.392	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.780%	
50) Toluene-d8	10.103	98	466122	47.027	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.060%	
62) 4-Bromofluorobenzene	12.402	95	112506	34.946	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 69.900%	
Target Compounds						
						Qvalue
16) Acetone	3.866	43	11547	21.329	ug/l	# 75
20) Methylene Chloride	4.622	84	12385	5.093	ug/l	# 86
25) 2-Butanone	6.903	43	5282	7.198	ug/l	90
30) Chloroform	7.427	83	4850	1.120	ug/l	90
31) Cyclohexane	7.707	56	6559	1.553	ug/l	# 59
36) 1,1-Dichloropropene	7.713	75	18315	4.761	ug/l	# 49
38) Carbon Tetrachloride	7.707	117	21131	5.463	ug/l	# 17
49) 1,4-Dioxane	8.951	88	25	1.668	ug/l	# 20
60) Dibromochloromethane	10.640	129	5761	2.497	ug/l	# 10
64) Tetrachloroethene	10.646	164	6747	3.321	ug/l	91
76) 1,2,3-Trichloropropane	12.402	75	66662	94.624	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.402	75	66662	203.534	ug/l	# 16
84) 1,2,4-Trimethylbenzene	13.042	105	5004	1.048	ug/l	99
95) Naphthalene	15.139	128	4505	2.092	ug/l	97

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

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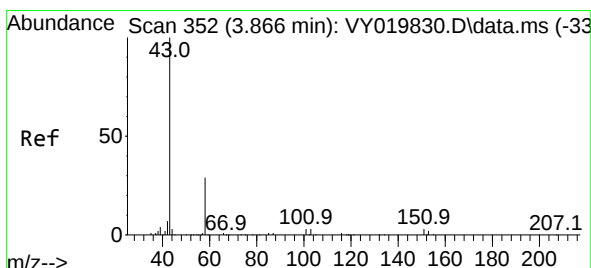
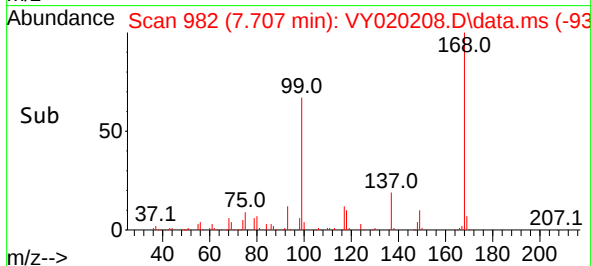
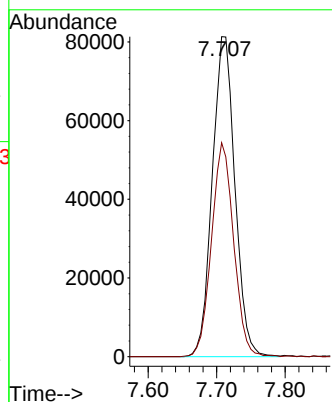
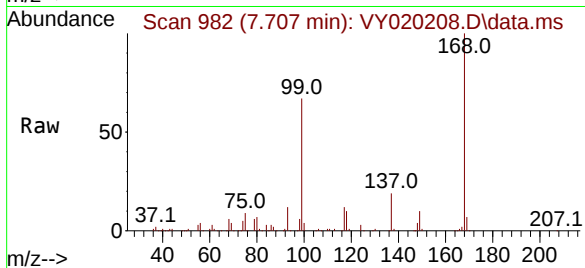




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020208.D
Acq: 07 Nov 2024 15:44

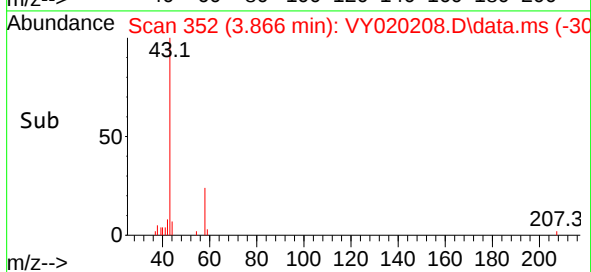
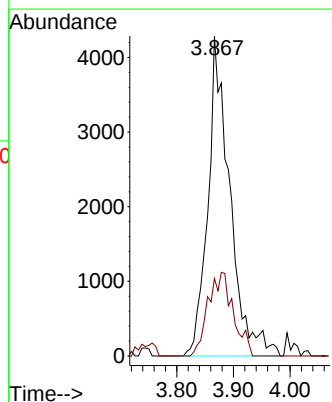
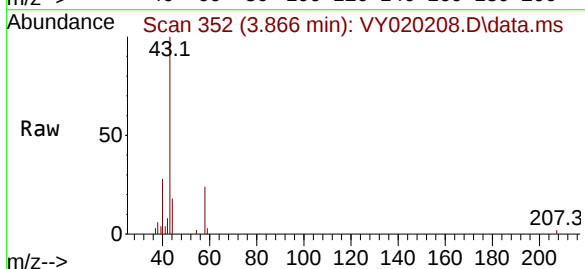
Instrument :
MSVOA_Y
ClientSampleId :

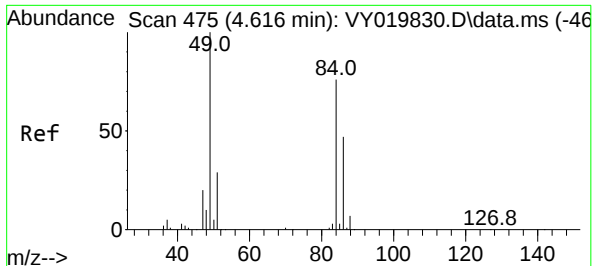
Tgt Ion:168 Resp: 186522
Ion Ratio Lower Upper
168 100
99 66.9 39.1 58.7#



#16
Acetone
Concen: 21.329 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY020208.D
Acq: 07 Nov 2024 15:44

Tgt Ion: 43 Resp: 11547
Ion Ratio Lower Upper
43 100
58 24.2 31.7 47.5#

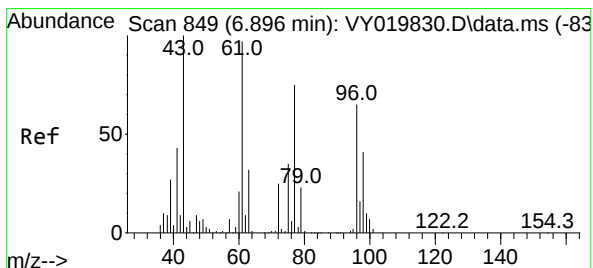
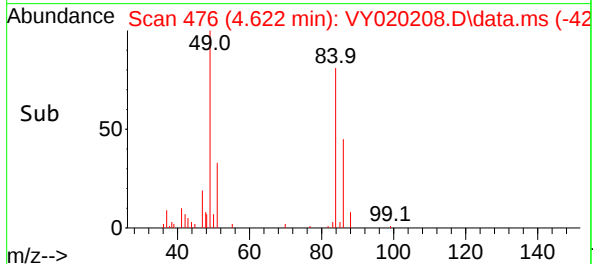
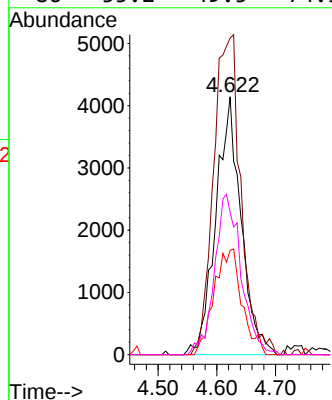
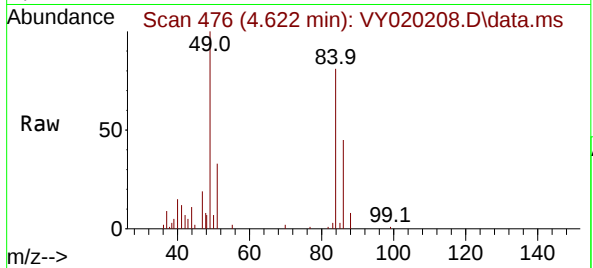




#20
Methylene Chloride
Concen: 5.093 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY020208.D
Acq: 07 Nov 2024 15:44

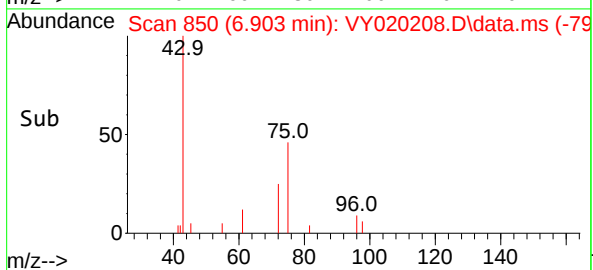
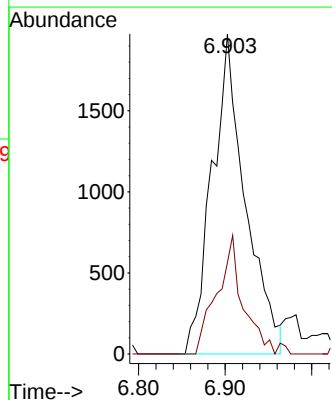
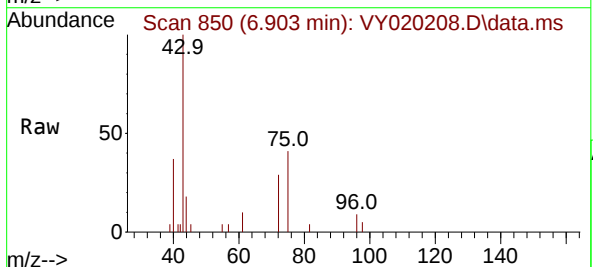
Instrument :
MSVOA_Y
ClientSampleId :

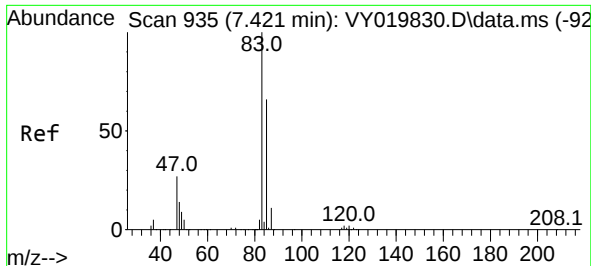
Tgt Ion:	84	Resp:	12385
Ion	Ratio	Lower	Upper
84	100		
49	122.7	84.4	126.6
51	40.5	26.0	39.0#
86	55.2	49.5	74.3



#25
2-Butanone
Concen: 7.198 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.013 min
Lab File: VY020208.D
Acq: 07 Nov 2024 15:44

Tgt Ion:	43	Resp:	5282
Ion	Ratio	Lower	Upper
43	100		
72	28.5	27.3	40.9

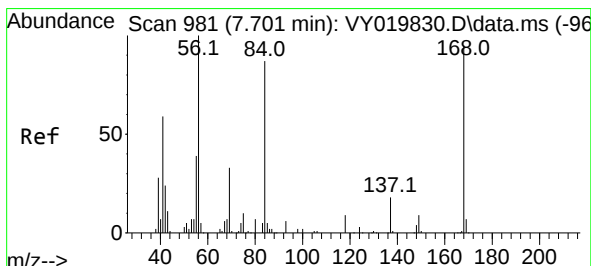
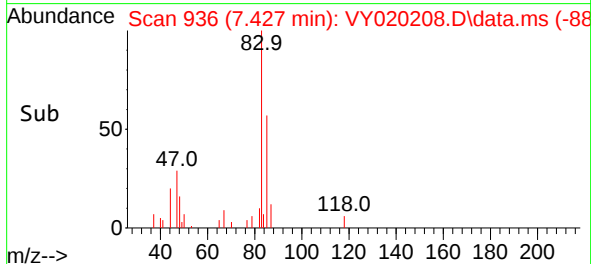
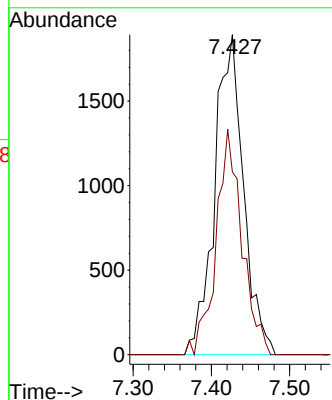
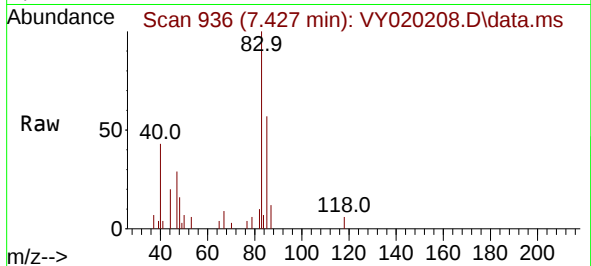




#30
Chloroform
Concen: 1.120 ug/l
RT: 7.427 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020208.D
Acq: 07 Nov 2024 15:44

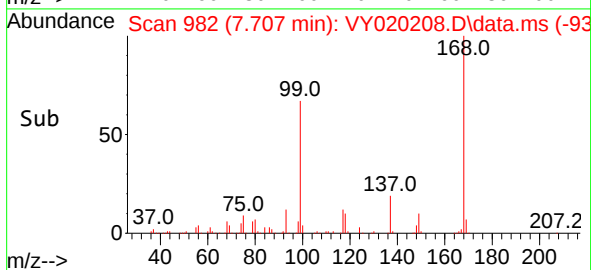
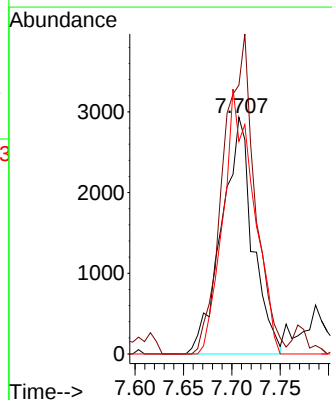
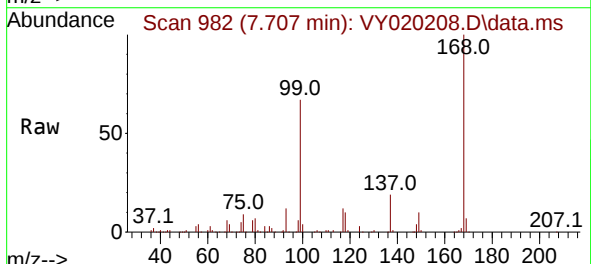
Instrument :
MSVOA_Y
ClientSampleId :

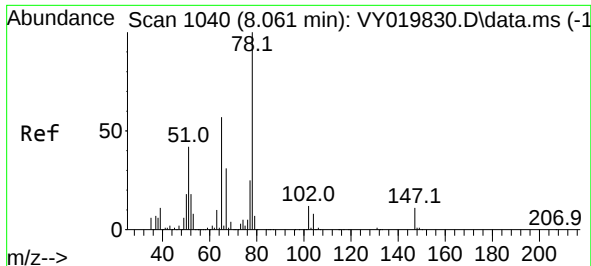
Tgt Ion: 83 Resp: 4850
Ion Ratio Lower Upper
83 100
85 57.2 52.2 78.4



#31
Cyclohexane
Concen: 1.553 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY020208.D
Acq: 07 Nov 2024 15:44

Tgt Ion: 56 Resp: 6559
Ion Ratio Lower Upper
56 100
69 113.7 28.7 43.1#
84 89.9 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 57.024 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY020208.D

Acq: 07 Nov 2024 15:44

Instrument :

MSVOA_Y

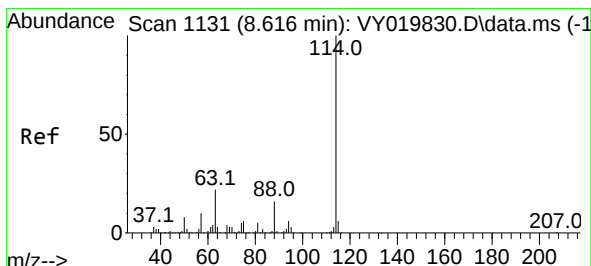
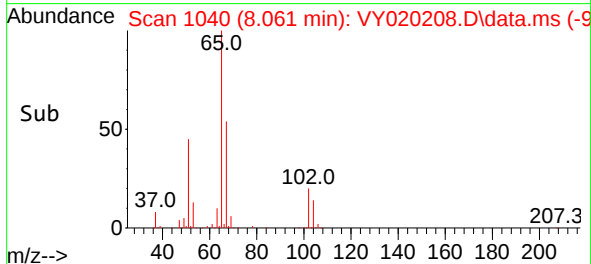
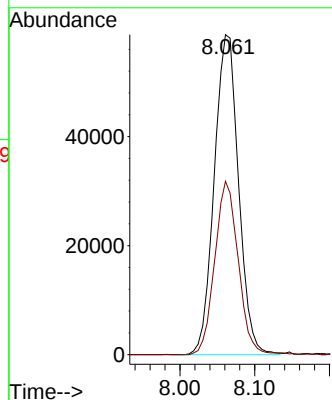
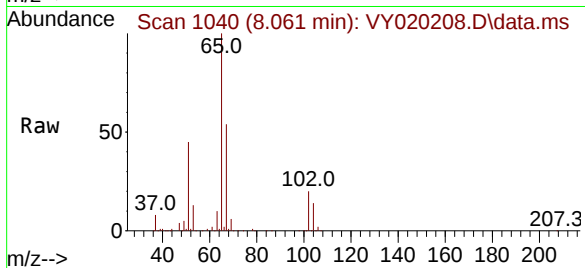
ClientSampleId :

Tgt Ion: 65 Resp: 132748

Ion Ratio Lower Upper

65 100

67 52.4 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: VY020208.D

Acq: 07 Nov 2024 15:44

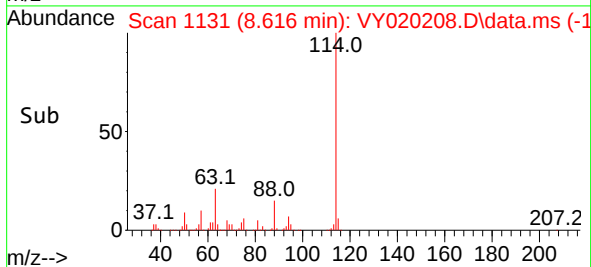
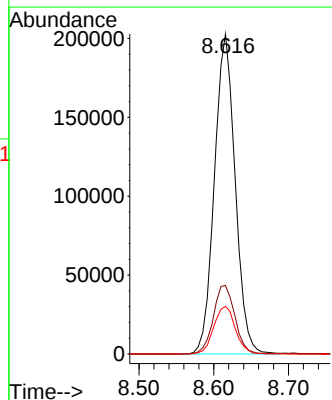
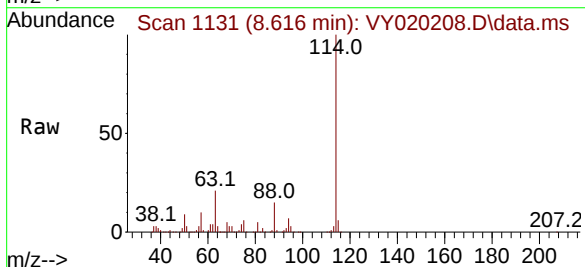
Tgt Ion: 114 Resp: 391649

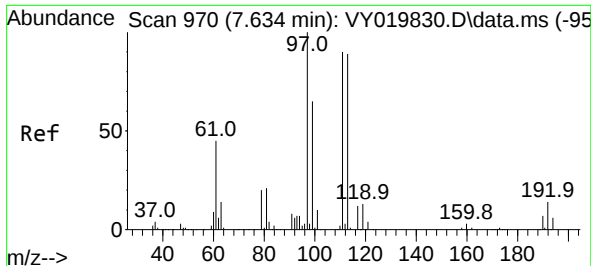
Ion Ratio Lower Upper

114 100

63 21.4 0.0 35.0

88 14.9 0.0 27.2





#35

Dibromofluoromethane

Concen: 51.392 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY020208.D

Acq: 07 Nov 2024 15:44

Instrument :

MSVOA_Y

ClientSampleId :

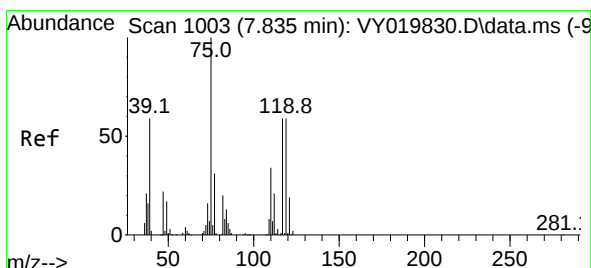
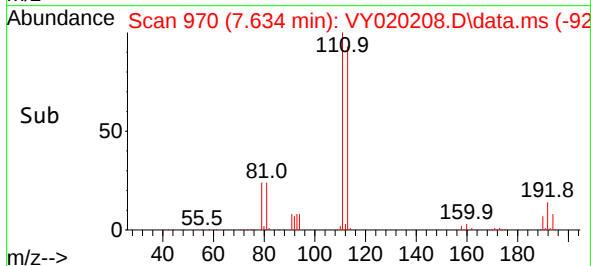
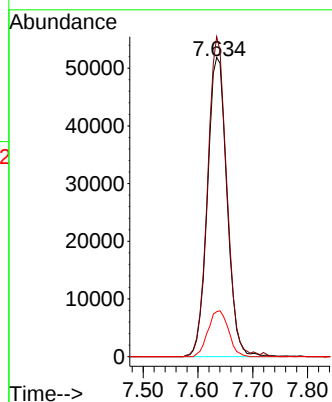
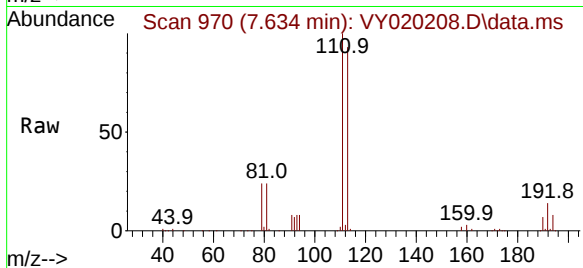
Tgt Ion:113 Resp: 127971

Ion Ratio Lower Upper

113 100

111 104.6 82.2 123.4

192 16.1 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.761 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY020208.D

Acq: 07 Nov 2024 15:44

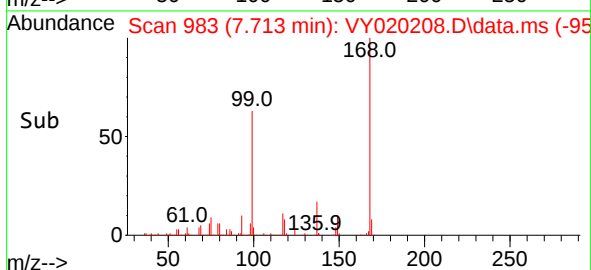
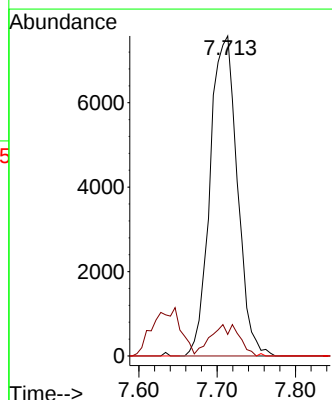
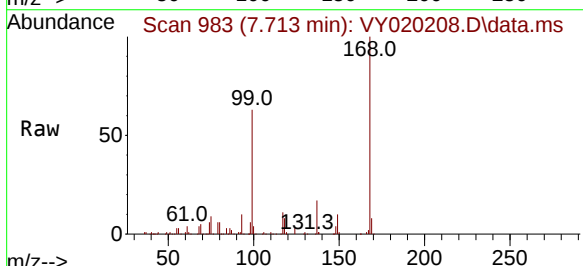
Tgt Ion: 75 Resp: 18315

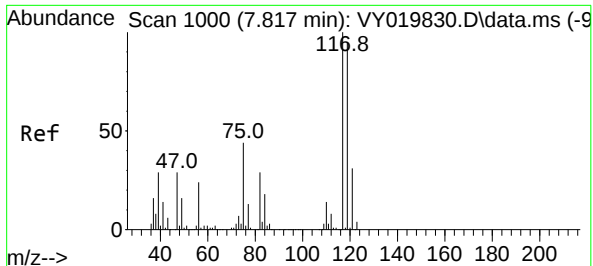
Ion Ratio Lower Upper

75 100

110 10.3 19.0 57.0#

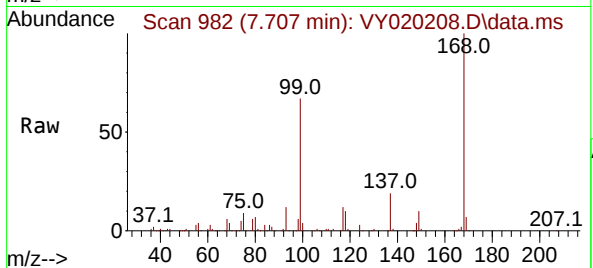
77 0.0 25.3 37.9#



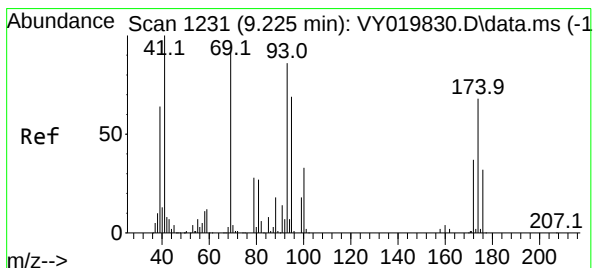
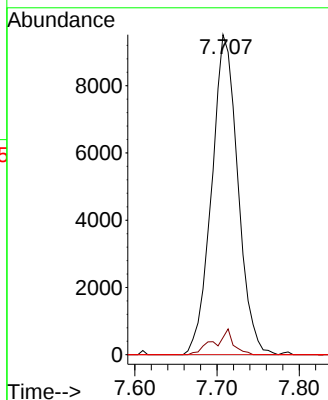
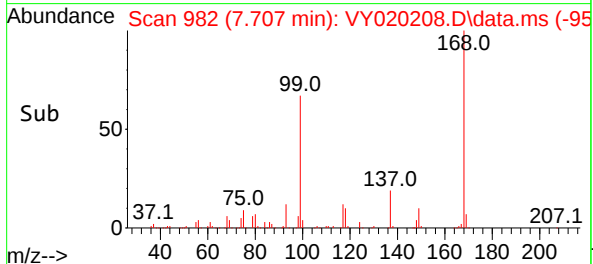


#38
Carbon Tetrachloride
Concen: 5.463 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY020208.D
Acq: 07 Nov 2024 15:44

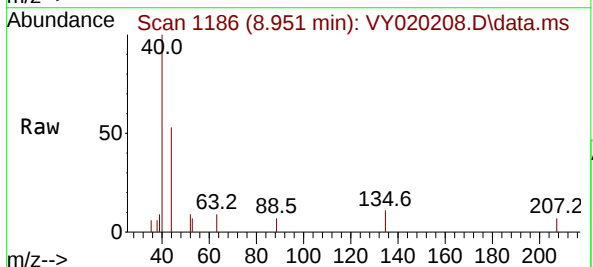
Instrument :
MSVOA_Y
ClientSampleId :



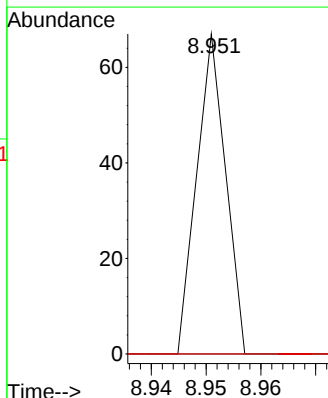
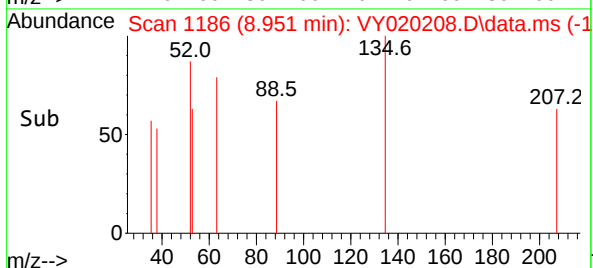
Tgt Ion:117 Resp: 21131
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.6#
121 0.0 24.0 36.0#

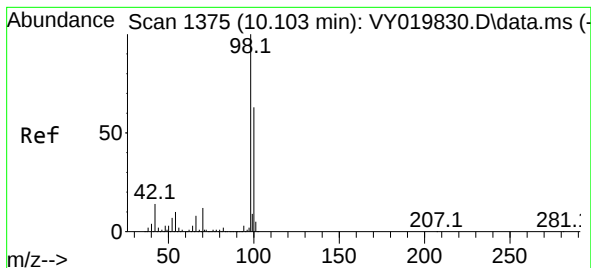


#49
1,4-Dioxane
Concen: 1.668 ug/l
RT: 8.951 min Scan# 1186
Delta R.T. -0.280 min
Lab File: VY020208.D
Acq: 07 Nov 2024 15:44



Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 49.3 73.9#





#50

Toluene-d8

Concen: 47.027 ug/l

RT: 10.103 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020208.D

Acq: 07 Nov 2024 15:44

Instrument :

MSVOA_Y

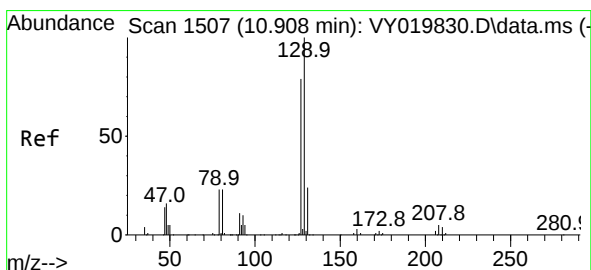
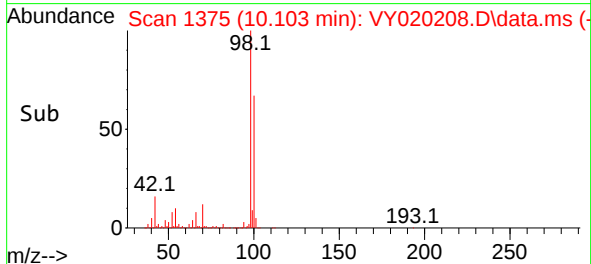
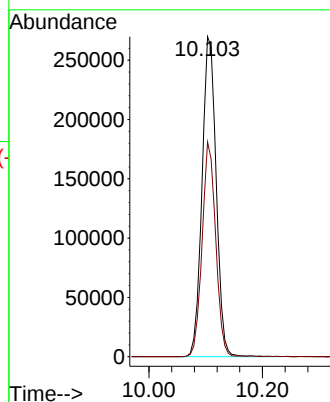
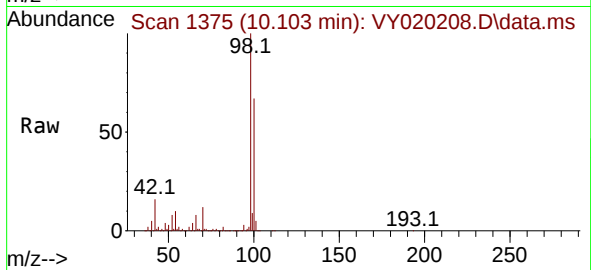
ClientSampleId :

Tgt Ion: 98 Resp: 466122

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0



#60

Dibromochloromethane

Concen: 2.497 ug/l

RT: 10.640 min Scan# 1463

Delta R.T. -0.274 min

Lab File: VY020208.D

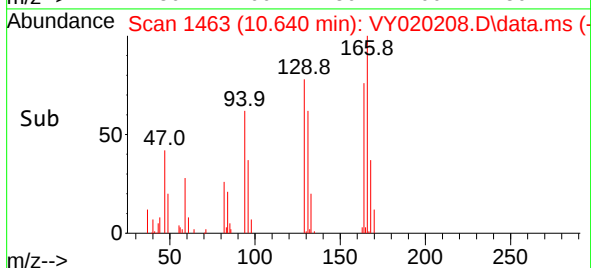
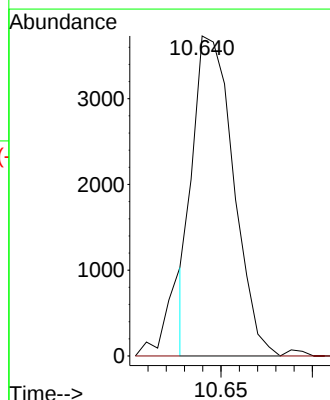
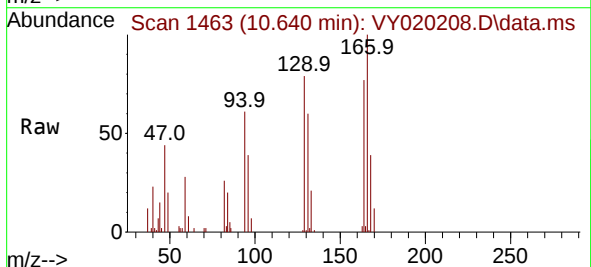
Acq: 07 Nov 2024 15:44

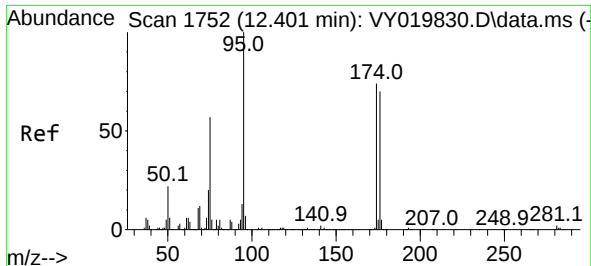
Tgt Ion: 129 Resp: 5761

Ion Ratio Lower Upper

129 100

127 0.0 39.0 117.0#

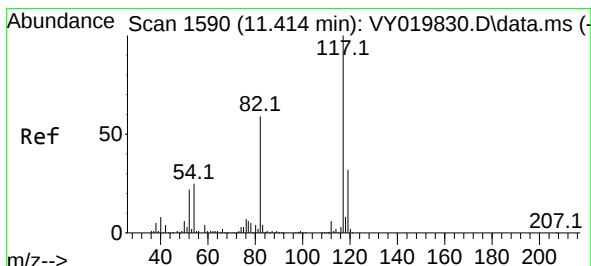
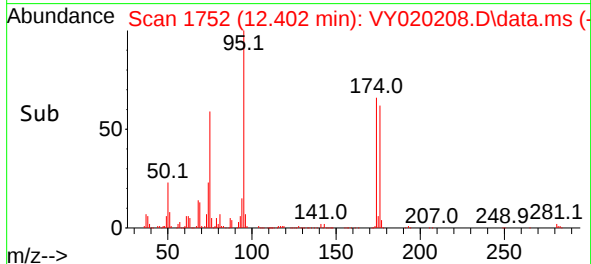
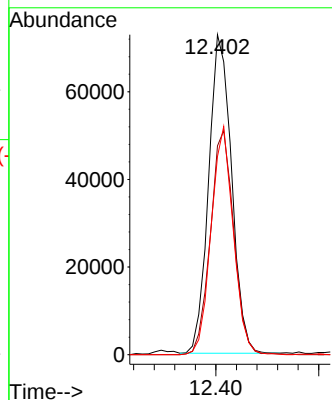
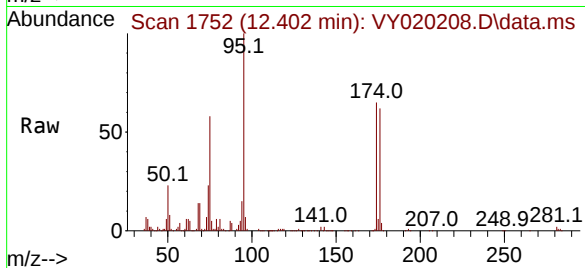




#62
4-Bromofluorobenzene
Concen: 34.946 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020208.D
Acq: 07 Nov 2024 15:44

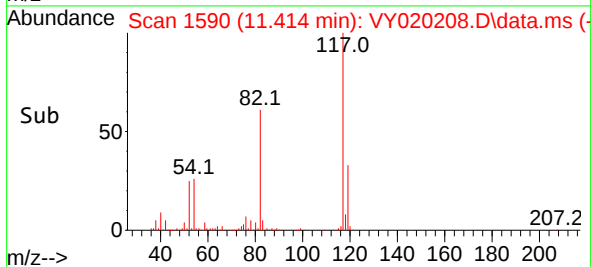
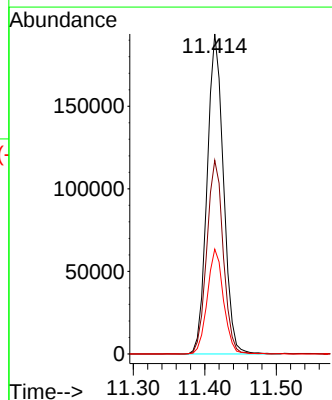
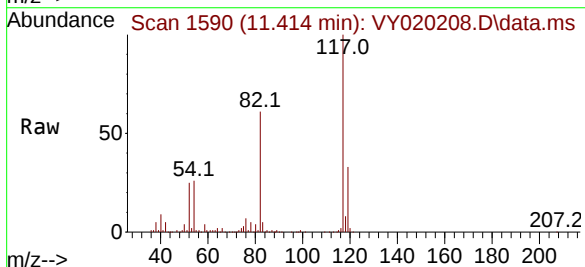
Instrument :
MSVOA_Y
ClientSampleId :

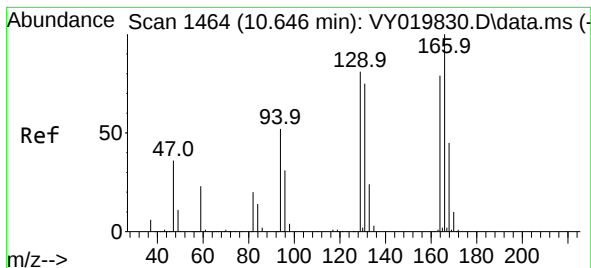
Tgt Ion: 95 Resp: 112506
Ion Ratio Lower Upper
95 100
174 71.8 0.0 175.6
176 69.3 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY020208.D
Acq: 07 Nov 2024 15:44

Tgt Ion: 117 Resp: 307735
Ion Ratio Lower Upper
117 100
82 60.5 42.4 63.6
119 32.8 25.9 38.9





#64

Tetrachloroethene

Concen: 3.321 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

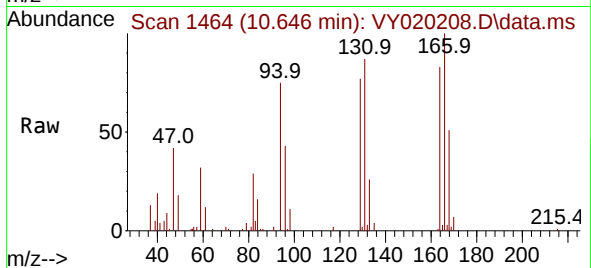
Lab File: VY020208.D

Acq: 07 Nov 2024 15:44

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:164 Resp: 6747

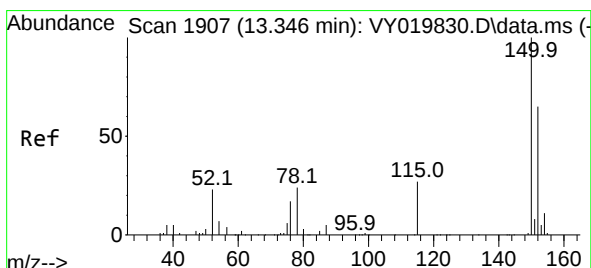
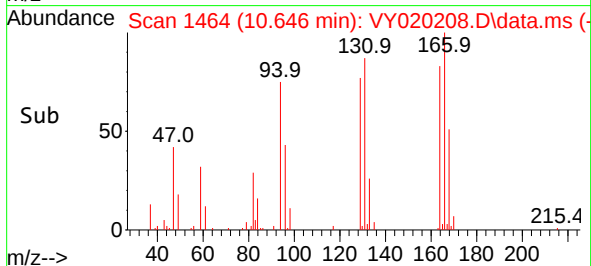
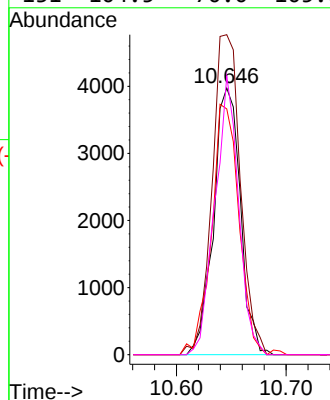
Ion Ratio Lower Upper

164 100

166 120.0 102.6 154.0

129 92.2 72.0 108.0

131 104.5 70.0 105.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020208.D

Acq: 07 Nov 2024 15:44

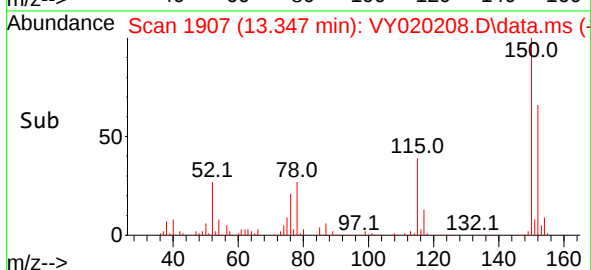
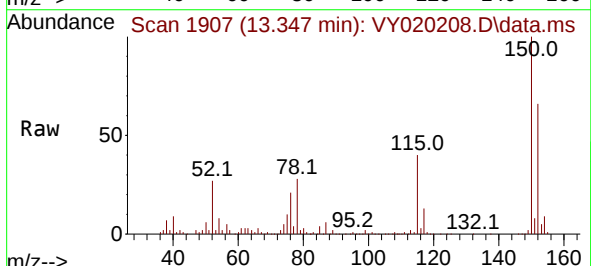
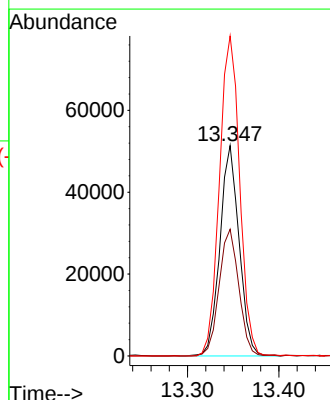
Tgt Ion:152 Resp: 75154

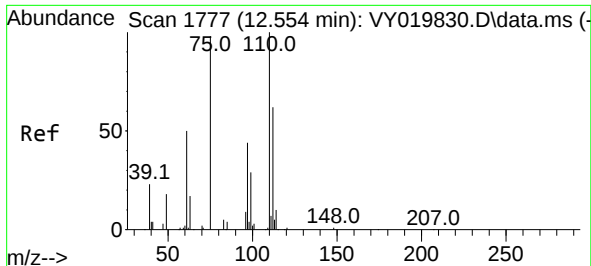
Ion Ratio Lower Upper

152 100

115 61.8 28.2 84.7

150 159.9 0.0 345.6

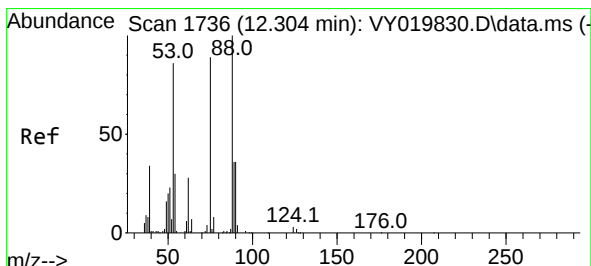
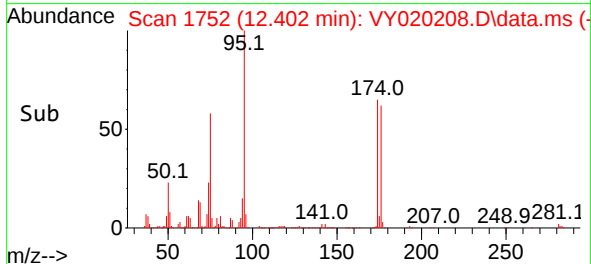
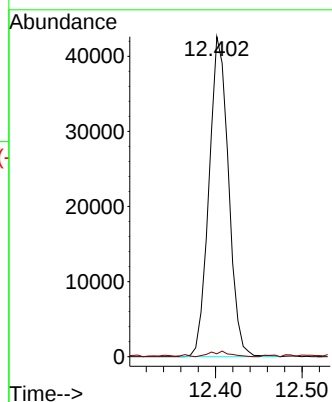
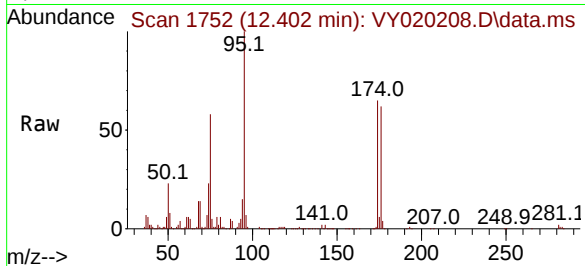




#76
1,2,3-Trichloropropane
Concen: 94.624 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY020208.D
Acq: 07 Nov 2024 15:44

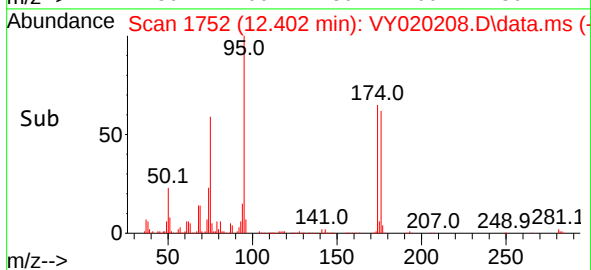
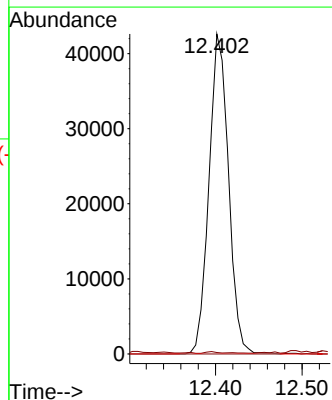
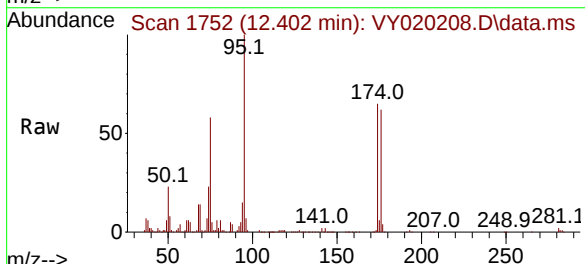
Instrument :
MSVOA_Y
ClientSampleId :

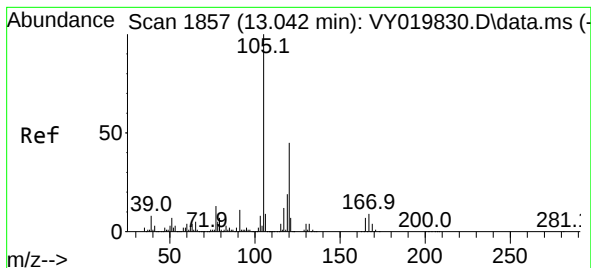
Tgt Ion: 75 Resp: 66662
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 203.534 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY020208.D
Acq: 07 Nov 2024 15:44

Tgt Ion: 75 Resp: 66662
Ion Ratio Lower Upper
75 100
53 0.5 66.8 100.2#
89 0.0 35.8 53.6#





#84

1,2,4-Trimethylbenzene

Concen: 1.048 ug/l

RT: 13.042 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020208.D

Acq: 07 Nov 2024 15:44

Instrument :

MSVOA_Y

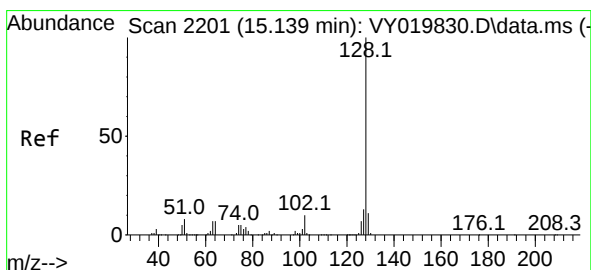
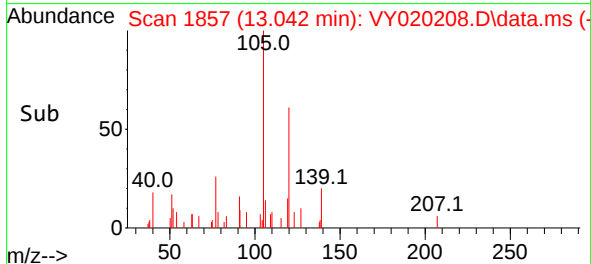
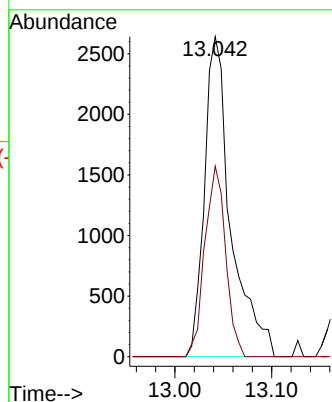
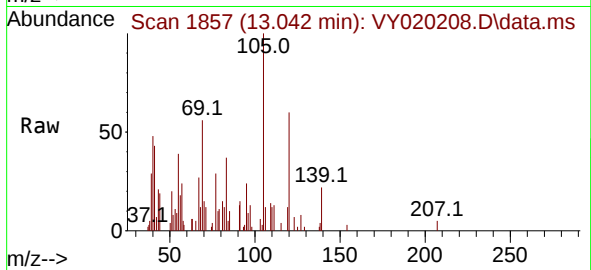
ClientSampleId :

Tgt Ion:105 Resp: 5004

Ion Ratio Lower Upper

105 100

120 47.1 23.2 69.6



#95

Naphthalene

Concen: 2.092 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY020208.D

Acq: 07 Nov 2024 15:44

Tgt Ion:128 Resp: 4505

Ion Ratio Lower Upper

128 100

127 14.1 10.6 16.0

129 12.0 8.6 13.0

