

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082224\
 Data File : VY019216.D
 Acq On : 22 Aug 2024 13:31
 Operator : SY/MD
 Sample : P3685-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 23 01:52:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

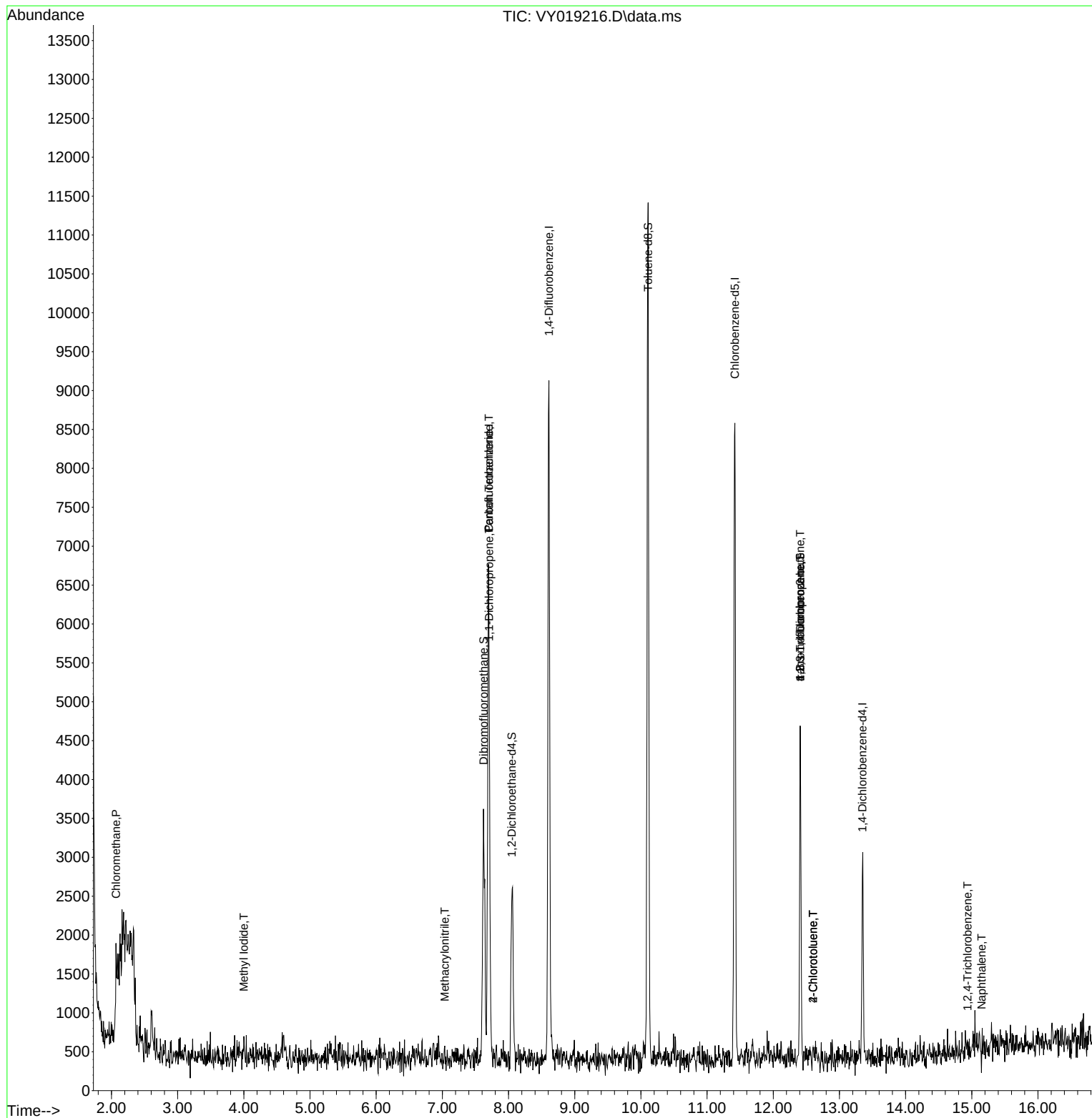
Internal Standards						
1) Pentafluorobenzene	7.701	168	5070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	7843	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	5170	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	1930	37.975	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	75.960%
35) Dibromofluoromethane	7.622	113	2323	45.298	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.600%
50) Toluene-d8	10.109	98	7940	43.024	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.040%
62) 4-Bromofluorobenzene	12.408	95	1314	20.886	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	41.780%
Target Compounds						Qvalue
3) Chloromethane	2.068	50	273	4.072	ug/l #	43
10) Methyl Iodide	4.001	142	328	6.012	ug/l #	61
20) Methylene Chloride	4.604	84	264	Below Cal	#	53
36) 1,1-Dichloropropene	7.707	75	384	5.453	ug/l #	40
38) Carbon Tetrachloride	7.701	117	413	5.061	ug/l #	13
41) Methacrylonitrile	7.037	41	25	1.468	ug/l #	15
76) 1,2,3-Trichloropropane	12.408	75	696	88.329	ug/l #	100
79) 2-Chlorotoluene	12.603	91	64	1.559	ug/l #	39
81) trans-1,4-Dichloro-2-b...	12.408	75	696	218.144	ug/l #	16
82) 4-Chlorotoluene	12.603	91	64	1.499	ug/l #	39
93) 1,2,4-Trichlorobenzene	14.938	180	51	3.545	ug/l #	12
95) Naphthalene	15.151	128	65	2.532	ug/l #	69

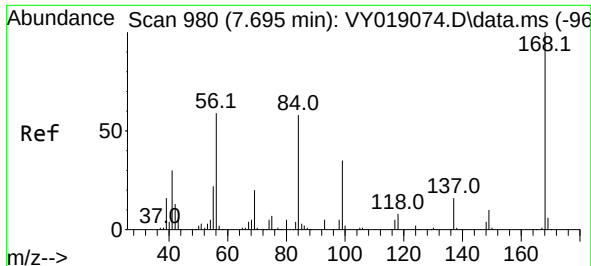
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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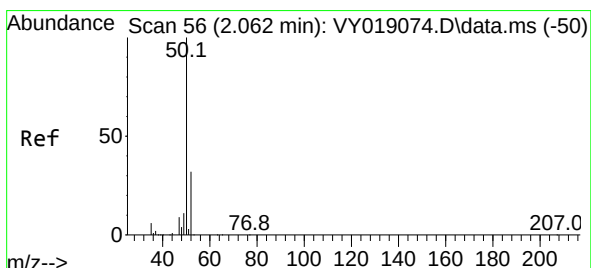
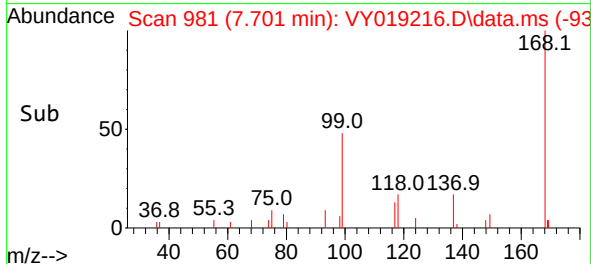
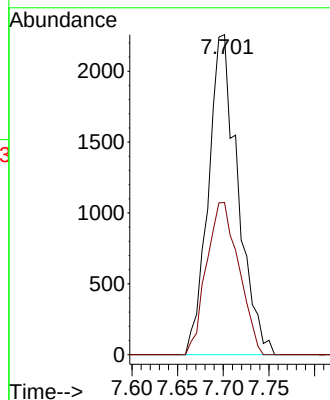
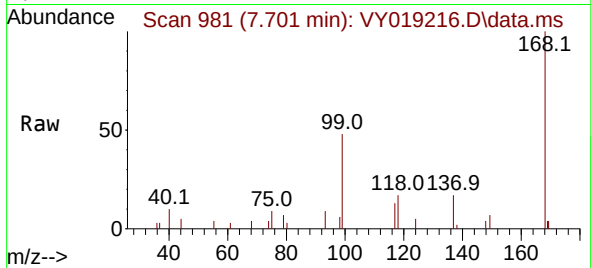




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019216.D
Acq: 22 Aug 2024 13:31

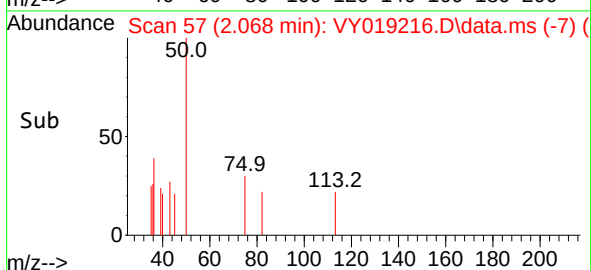
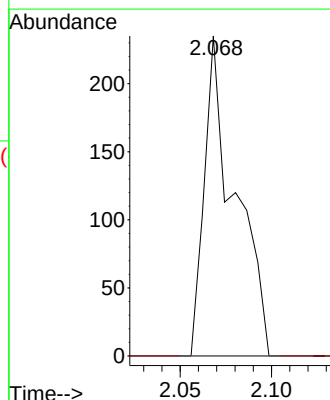
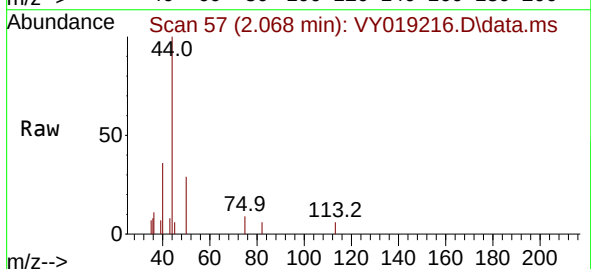
Instrument :
MSVOA_Y
ClientSampleId :

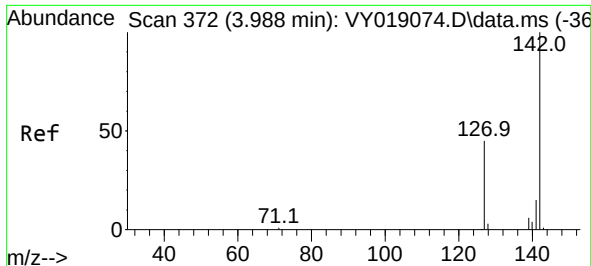
Tgt Ion:168 Resp: 5070
Ion Ratio Lower Upper
168 100
99 47.6 39.1 58.7



#3
Chloromethane
Concen: 4.072 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.006 min
Lab File: VY019216.D
Acq: 22 Aug 2024 13:31

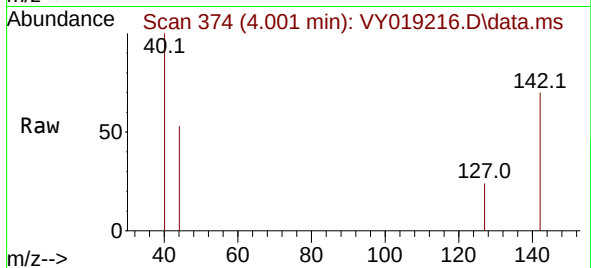
Tgt Ion: 50 Resp: 273
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#



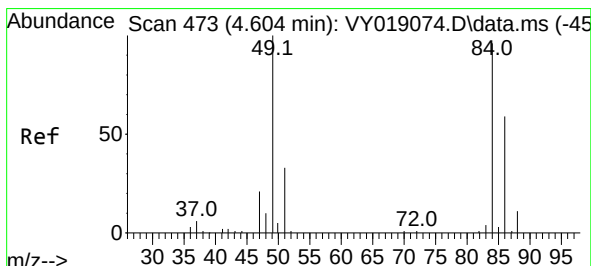
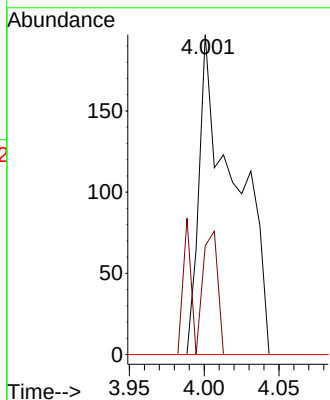
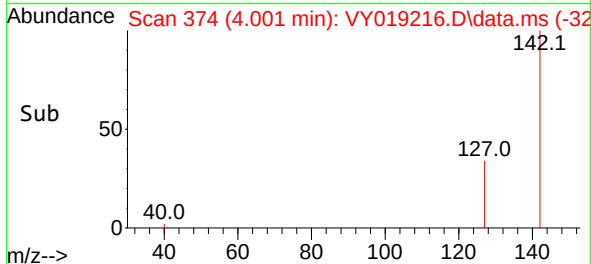


#10
Methyl Iodide
Concen: 6.012 ug/l
RT: 4.001 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY019216.D
Acq: 22 Aug 2024 13:31

Instrument :
MSVOA_Y
ClientSampleId :

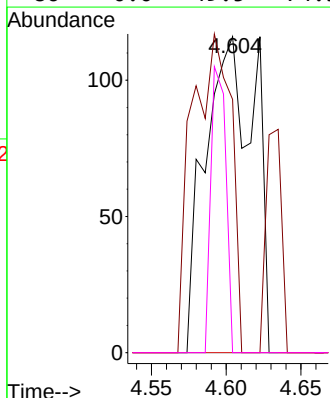
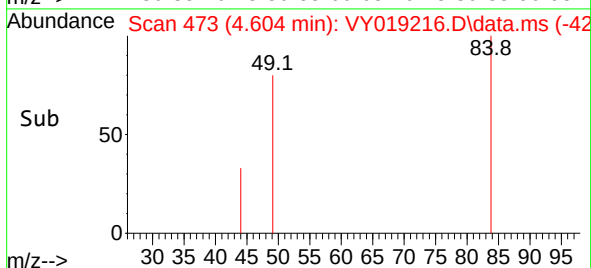
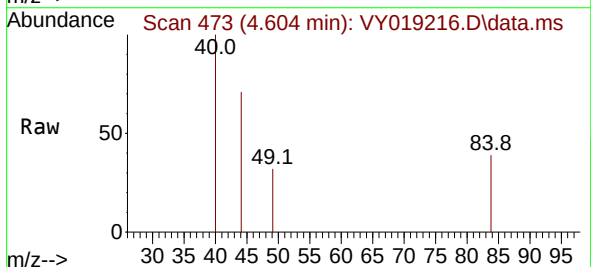


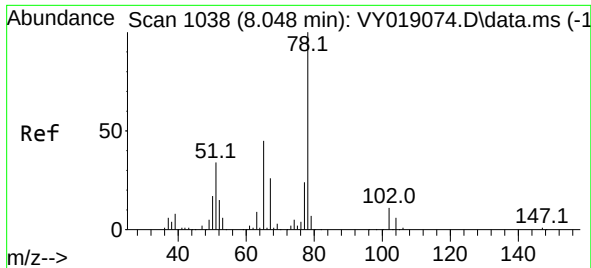
Tgt Ion:142 Resp: 328
Ion Ratio Lower Upper
142 100
127 15.9 32.8 49.2#
141 0.0 11.4 17.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.604 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY019216.D
Acq: 22 Aug 2024 13:31

Tgt Ion: 84 Resp: 264
Ion Ratio Lower Upper
84 100
49 80.2 84.4 126.6#
51 0.0 26.0 39.0#
86 0.0 49.5 74.3#

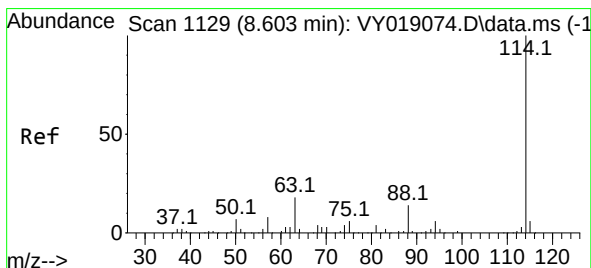
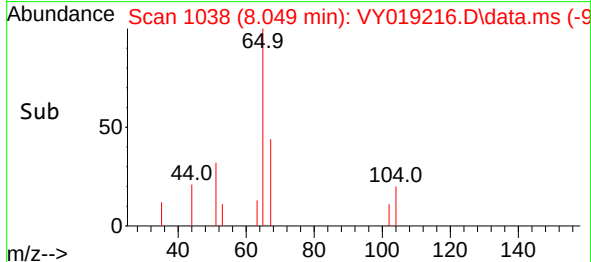
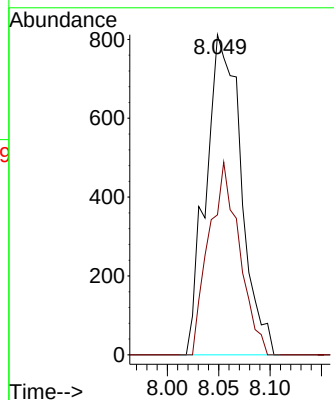
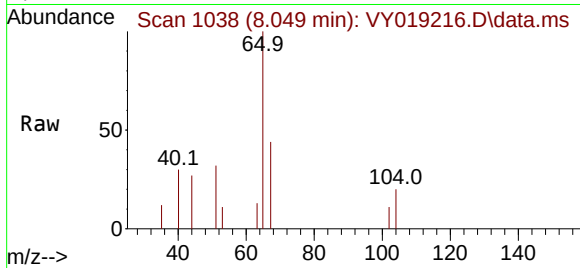




#33
 1,2-Dichloroethane-d4
 Concen: 37.975 ug/l
 RT: 8.049 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VY019216.D
 Acq: 22 Aug 2024 13:31

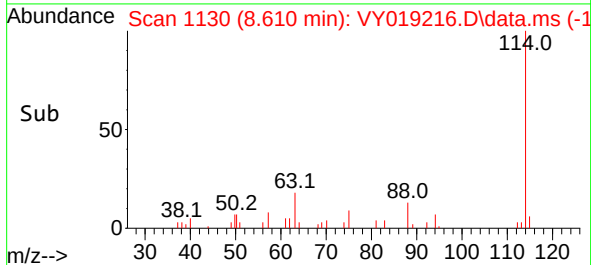
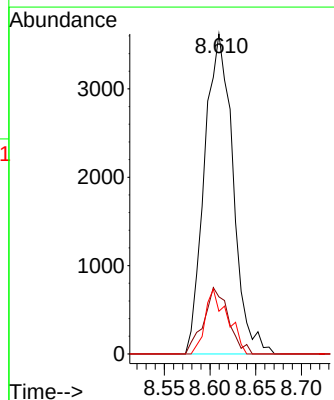
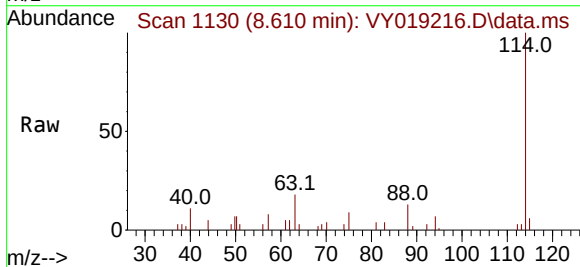
Instrument :
 MSVOA_Y
 ClientSampleId :

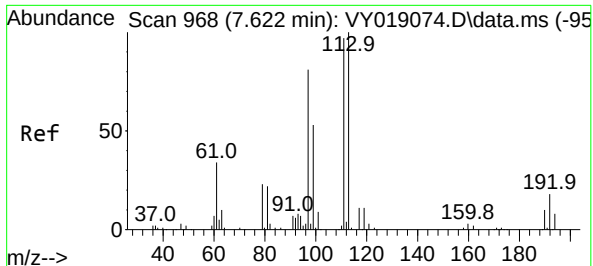
Tgt Ion: 65 Resp: 1930
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.610 min Scan# 1130
 Delta R.T. 0.006 min
 Lab File: VY019216.D
 Acq: 22 Aug 2024 13:31

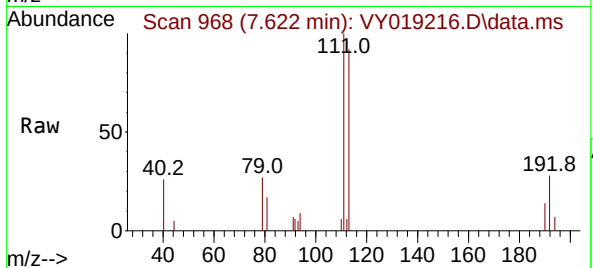
Tgt Ion: 114 Resp: 7843
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 35.0
 88 13.4 0.0 27.2



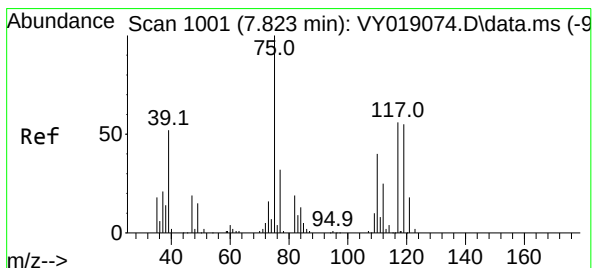
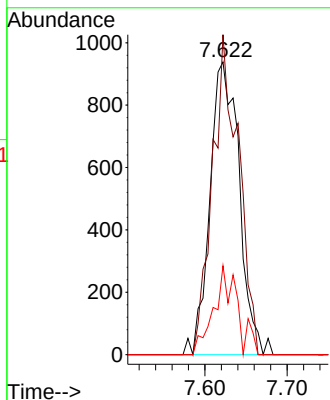
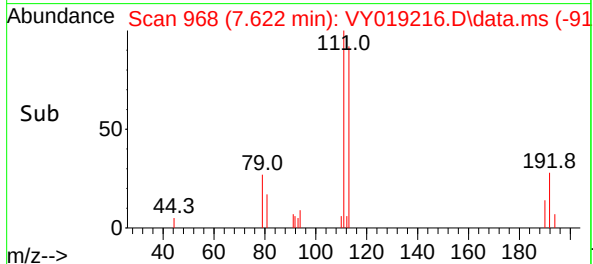


#35
Dibromofluoromethane
Concen: 45.298 ug/l
RT: 7.622 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY019216.D
Acq: 22 Aug 2024 13:31

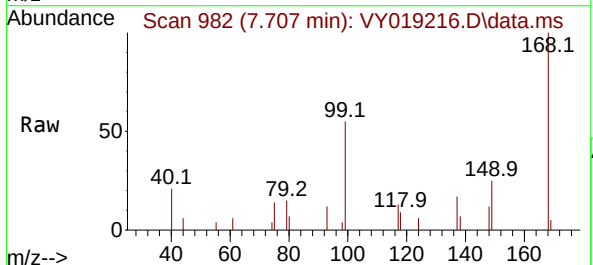
Instrument :
MSVOA_Y
ClientSampleId :



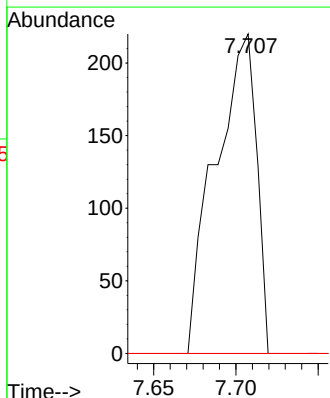
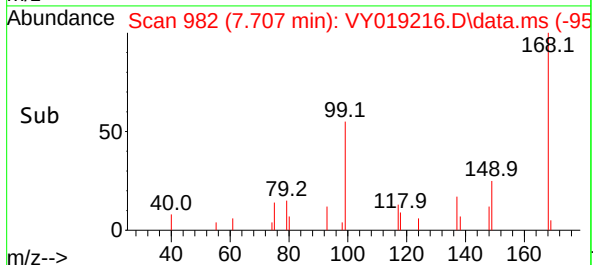
Tgt Ion:113 Resp: 2323
Ion Ratio Lower Upper
113 100
111 97.6 82.2 123.4
192 24.6 15.9 23.9#

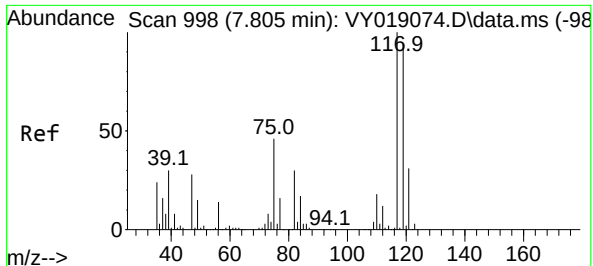


#36
1,1-Dichloropropene
Concen: 5.453 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.115 min
Lab File: VY019216.D
Acq: 22 Aug 2024 13:31



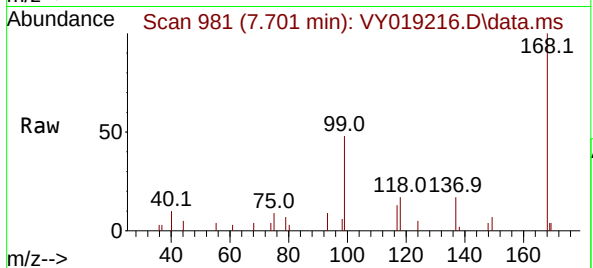
Tgt Ion: 75 Resp: 384
Ion Ratio Lower Upper
75 100
110 0.0 19.0 57.0#
77 0.0 25.3 37.9#



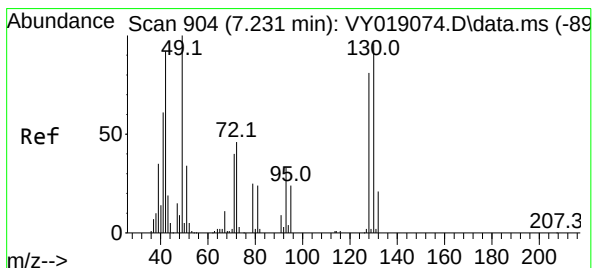
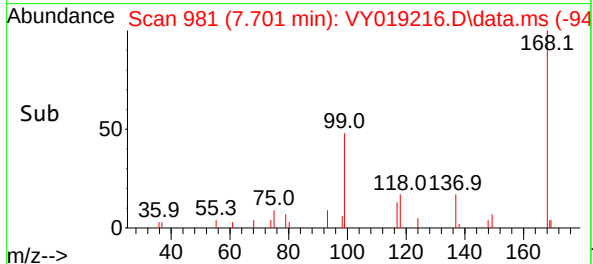
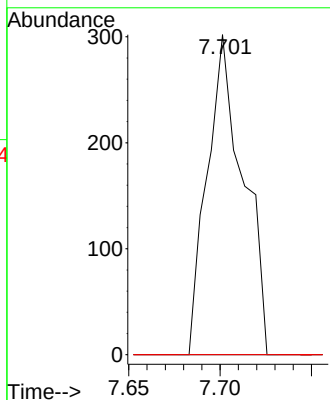


#38
Carbon Tetrachloride
Concen: 5.061 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY019216.D
Acq: 22 Aug 2024 13:31

Instrument :
MSVOA_Y
ClientSampleId :

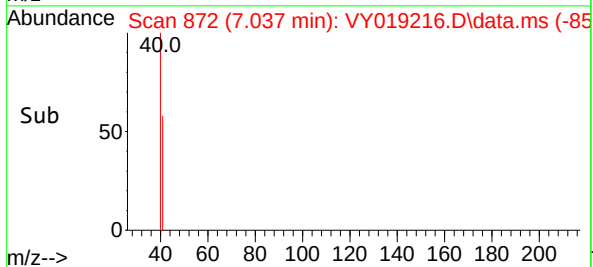
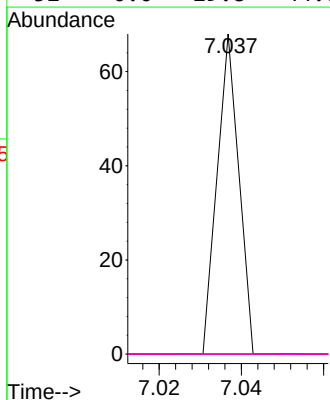
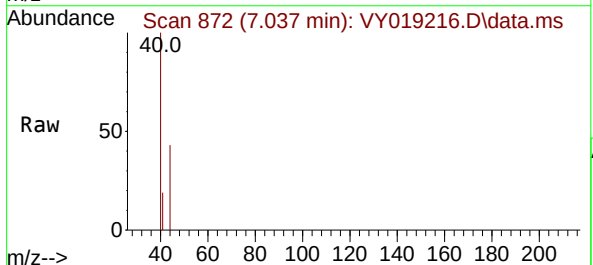


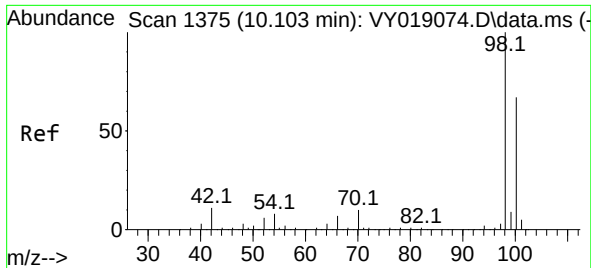
Tgt Ion:117 Resp: 413
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#41
Methacrylonitrile
Concen: 1.468 ug/l
RT: 7.037 min Scan# 872
Delta R.T. -0.195 min
Lab File: VY019216.D
Acq: 22 Aug 2024 13:31

Tgt Ion: 41 Resp: 25
Ion Ratio Lower Upper
41 100
39 0.0 48.0 72.0#
67 0.0 75.1 112.7#
52 0.0 29.8 44.6#

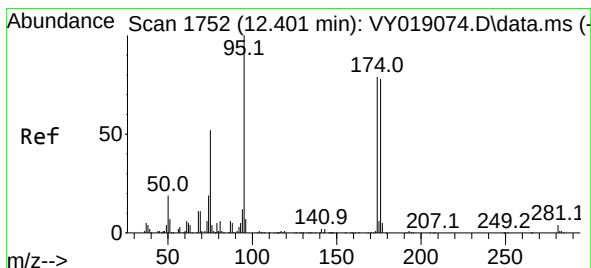
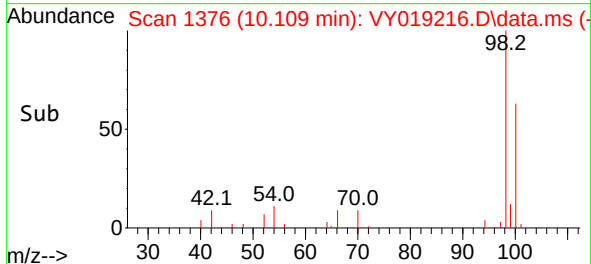
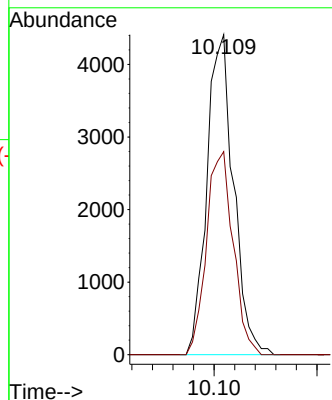
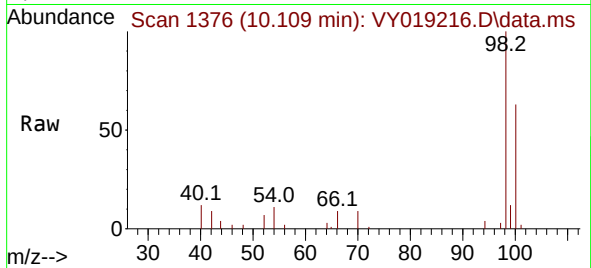




#50
Toluene-d8
Concen: 43.024 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY019216.D
Acq: 22 Aug 2024 13:31

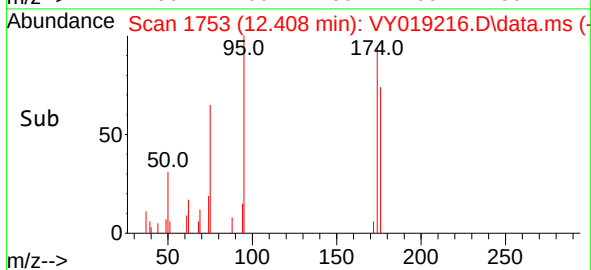
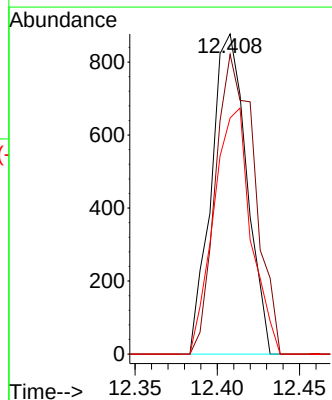
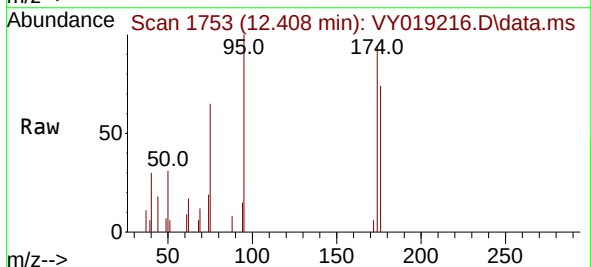
Instrument :
MSVOA_Y
ClientSampleId :

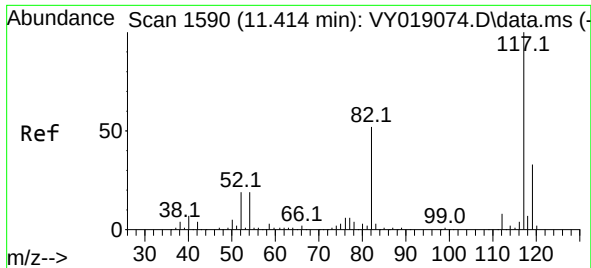
Tgt Ion: 98 Resp: 7940
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 20.886 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019216.D
Acq: 22 Aug 2024 13:31

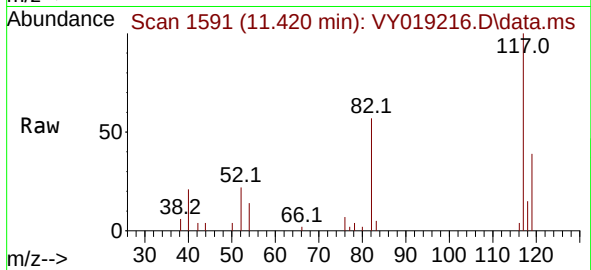
Tgt Ion: 95 Resp: 1314
Ion Ratio Lower Upper
95 100
174 102.7 0.0 175.6
176 80.9 0.0 171.4



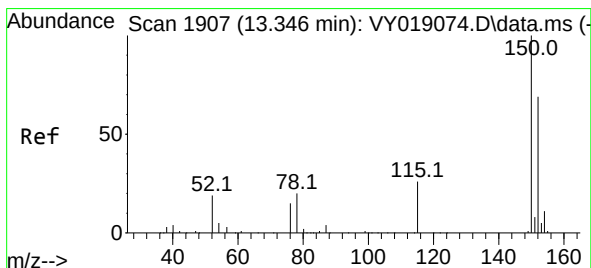
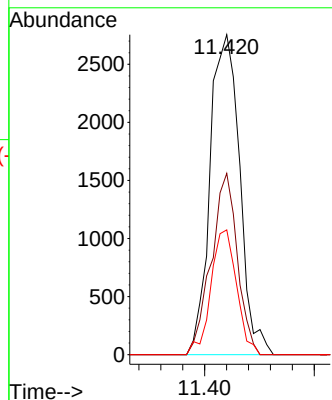
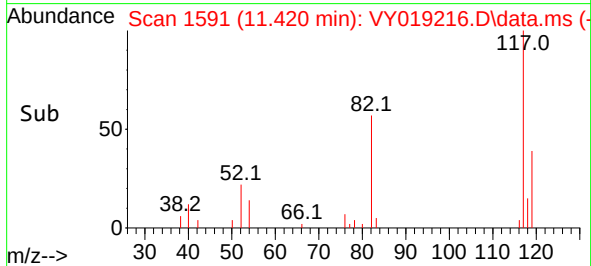


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY019216.D
Acq: 22 Aug 2024 13:31

Instrument :
MSVOA_Y
ClientSampleId :

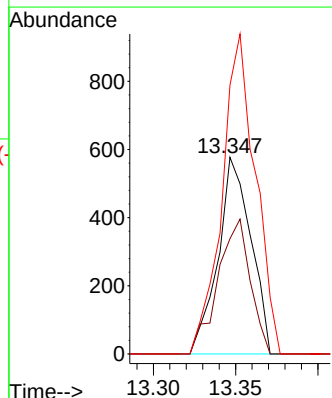
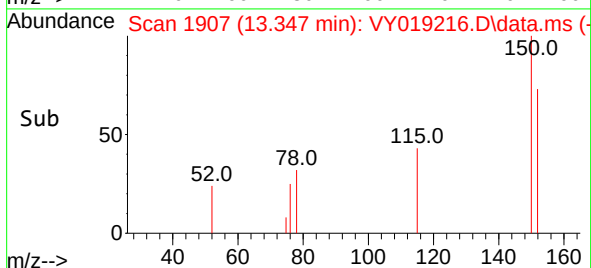
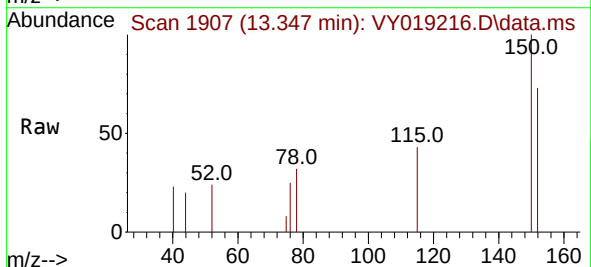


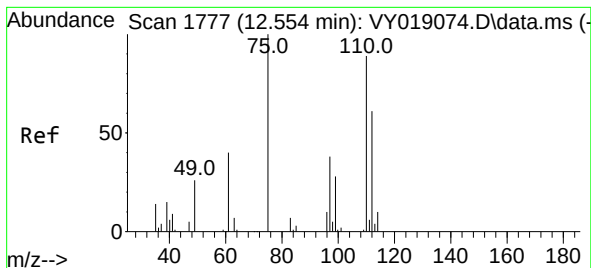
Tgt Ion:117 Resp: 5170
Ion Ratio Lower Upper
117 100
82 56.7 42.4 63.6
119 39.0 25.9 38.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019216.D
Acq: 22 Aug 2024 13:31

Tgt Ion:152 Resp: 799
Ion Ratio Lower Upper
152 100
115 67.7 28.2 84.7
150 165.7 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 88.329 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019216.D

Acq: 22 Aug 2024 13:31

Instrument :

MSVOA_Y

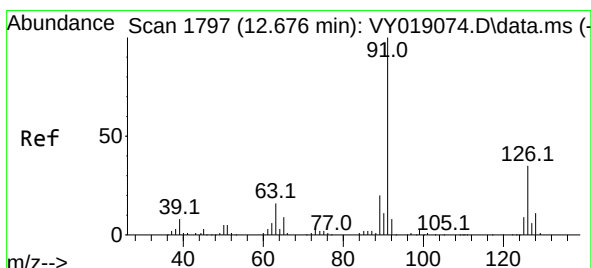
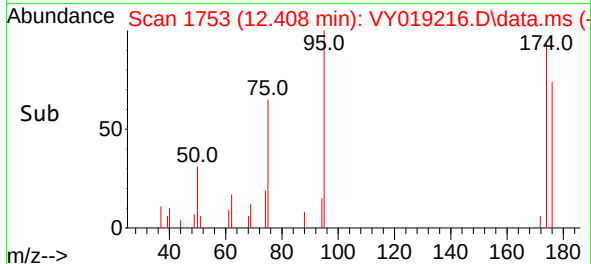
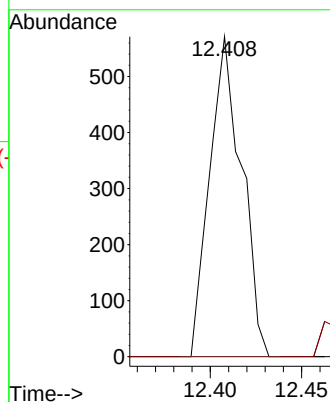
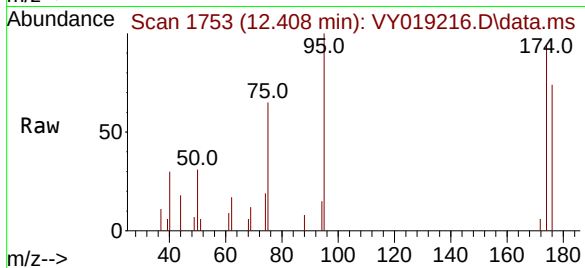
ClientSampleId :

Tgt Ion: 75 Resp: 696

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#79

2-Chlorotoluene

Concen: 1.559 ug/l

RT: 12.603 min Scan# 1785

Delta R.T. -0.073 min

Lab File: VY019216.D

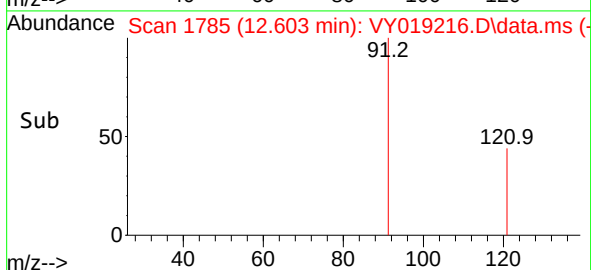
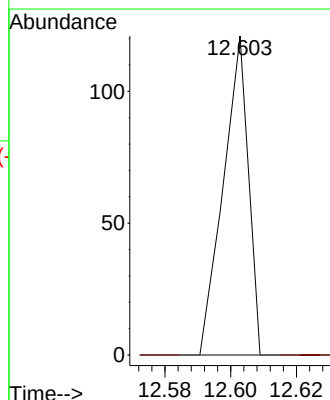
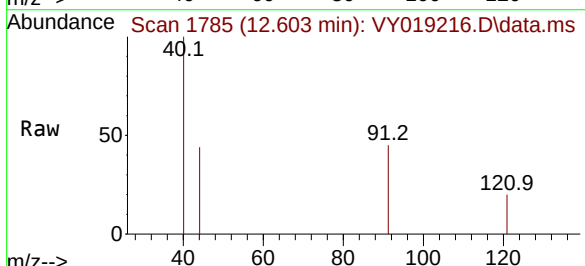
Acq: 22 Aug 2024 13:31

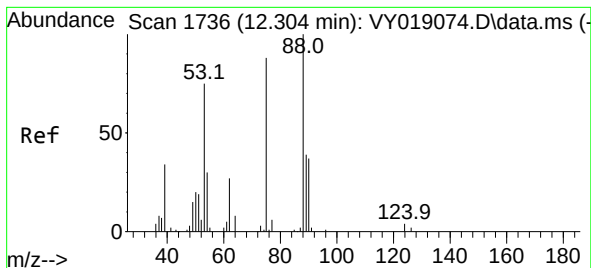
Tgt Ion: 91 Resp: 64

Ion Ratio Lower Upper

91 100

126 0.0 17.8 53.5#

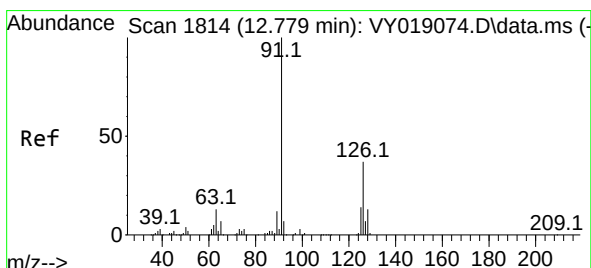
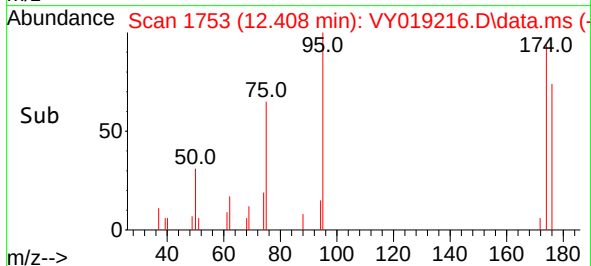
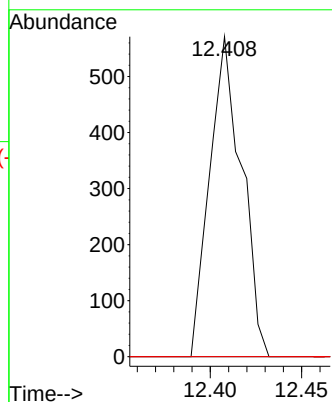
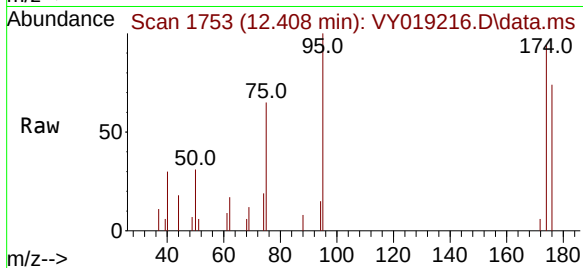




#81
trans-1,4-Dichloro-2-butene
Concen: 218.144 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019216.D
Acq: 22 Aug 2024 13:31

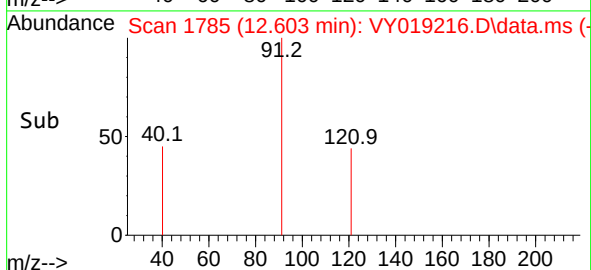
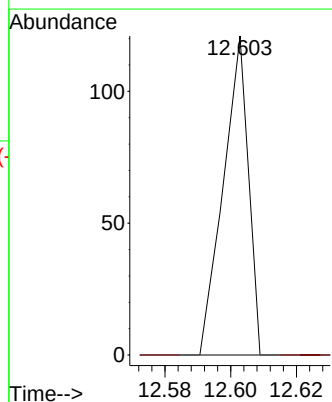
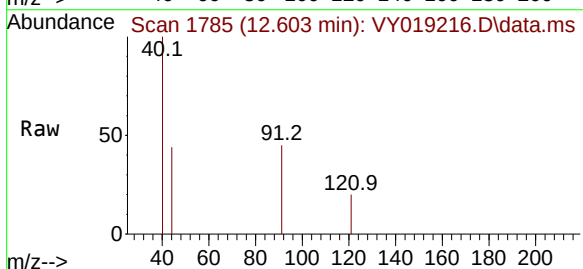
Instrument :
MSVOA_Y
ClientSampleId :

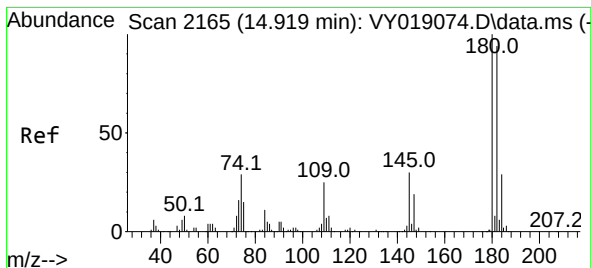
Tgt Ion: 75 Resp: 696
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#82
4-Chlorotoluene
Concen: 1.499 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.176 min
Lab File: VY019216.D
Acq: 22 Aug 2024 13:31

Tgt Ion: 91 Resp: 64
Ion Ratio Lower Upper
91 100
126 0.0 17.6 52.9#





#93

1,2,4-Trichlorobenzene

Concen: 3.545 ug/l

RT: 14.938 min Scan# 2165

Delta R.T. 0.019 min

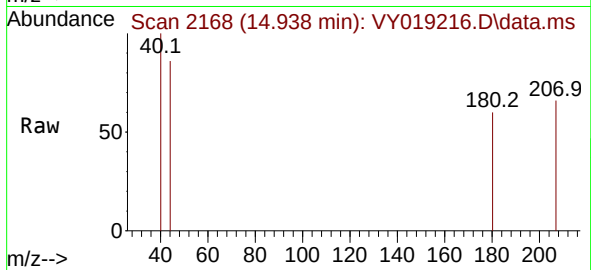
Lab File: VY019216.D

Acq: 22 Aug 2024 13:31

Instrument :

MSVOA_Y

ClientSampleId :



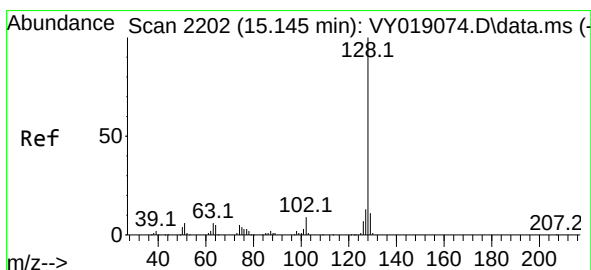
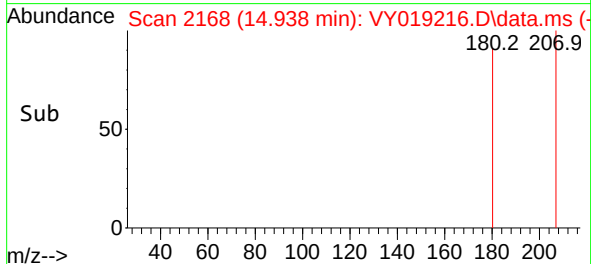
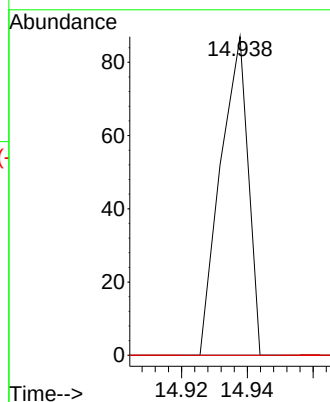
Tgt Ion:180 Resp: 51

Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.8#

145 0.0 14.2 42.6#



#95

Naphthalene

Concen: 2.532 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. 0.006 min

Lab File: VY019216.D

Acq: 22 Aug 2024 13:31

Tgt Ion:128 Resp: 65

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#

