

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
 Data File : VY020258.D
 Acq On : 11 Nov 2024 19:06
 Operator : SY/MD
 Sample : P4796-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 12 03:15:43 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)

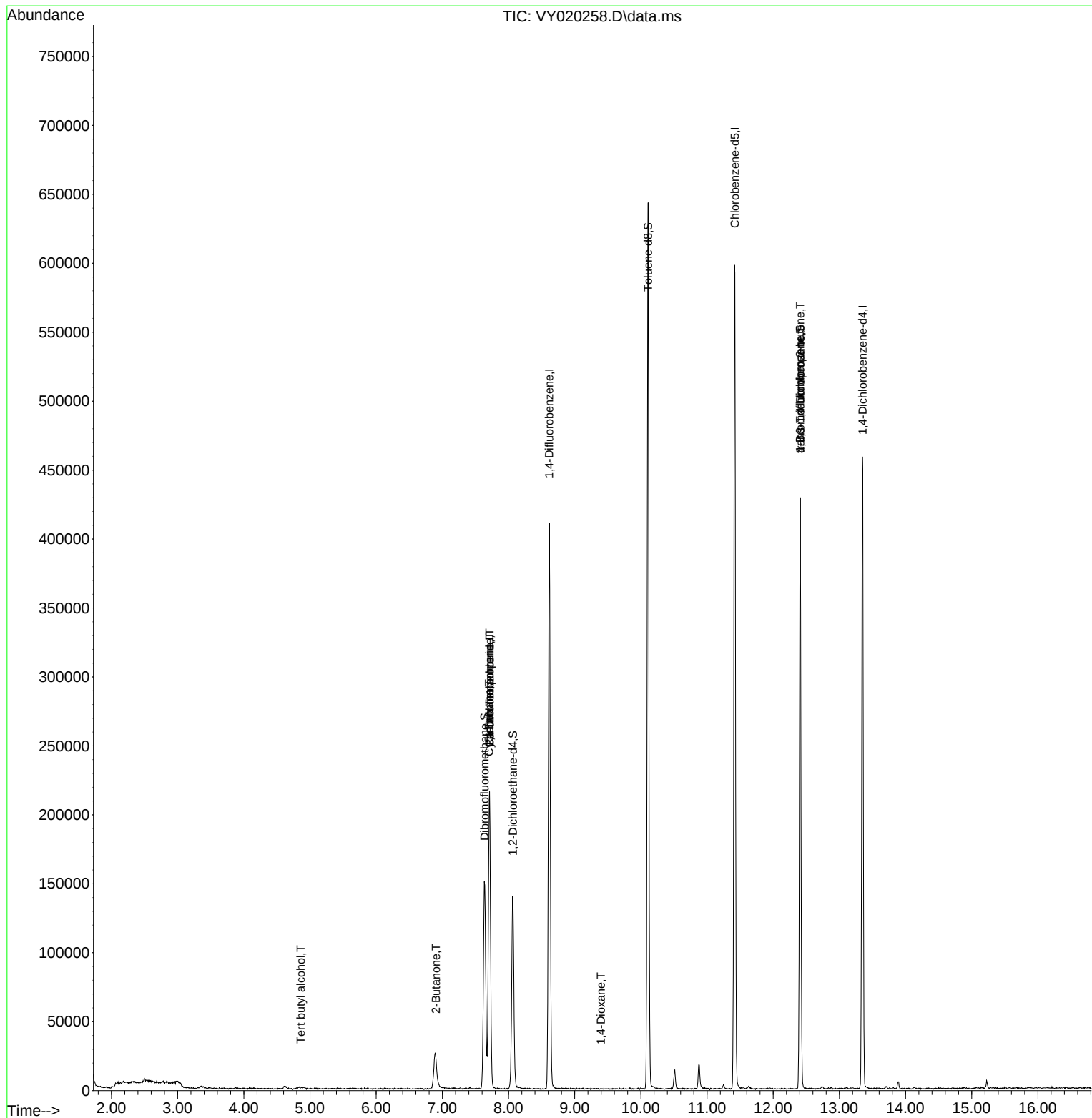
Internal Standards						
1) Pentafluorobenzene	7.713	168	150066	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	313060	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	297701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	103317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	109092	58.247	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.500%
35) Dibromofluoromethane	7.640	113	105179	52.843	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.680%
50) Toluene-d8	10.109	98	392634	49.557	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.120%
62) 4-Bromofluorobenzene	12.408	95	121553	47.234	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	94.460%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	325	2.412	ug/l	# 44
25) 2-Butanone	6.903	43	2114	3.581	ug/l	# 74
31) Cyclohexane	7.707	56	4266	1.255	ug/l	# 44
36) 1,1-Dichloropropene	7.713	75	15671	5.097	ug/l	# 46
38) Carbon Tetrachloride	7.713	117	17244	5.577	ug/l	# 18
49) 1,4-Dioxane	9.396	88	54	4.508	ug/l	# 20
76) 1,2,3-Trichloropropane	12.408	75	70893	73.200	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.408	75	70893	157.450	ug/l	# 16

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

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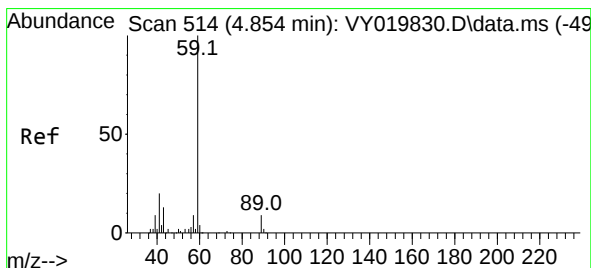
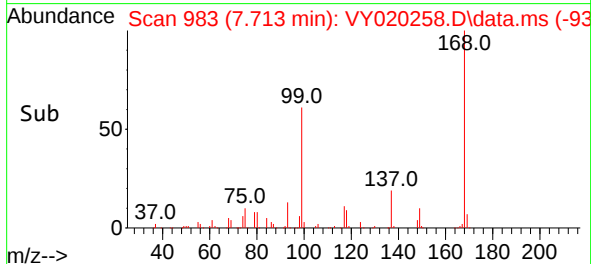
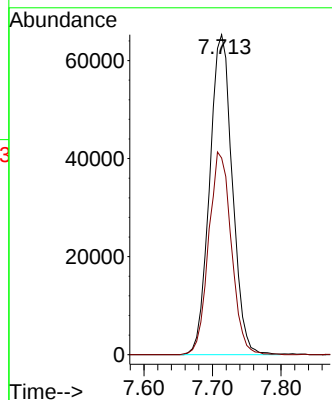
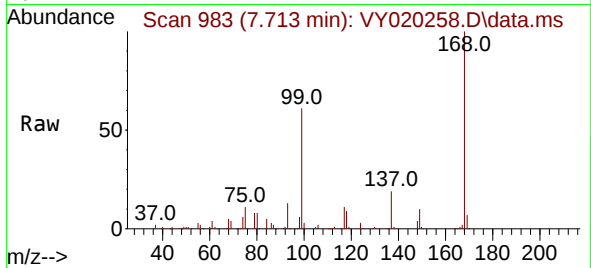




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020258.D
Acq: 11 Nov 2024 19:06

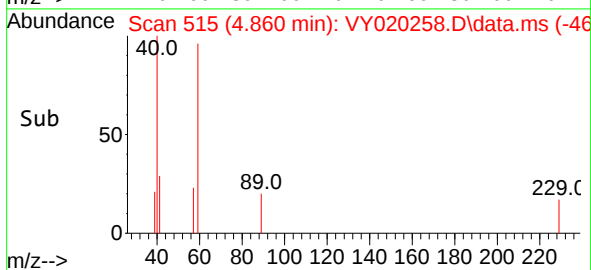
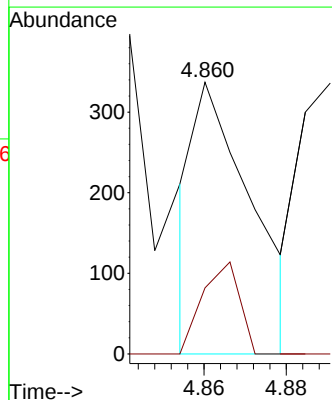
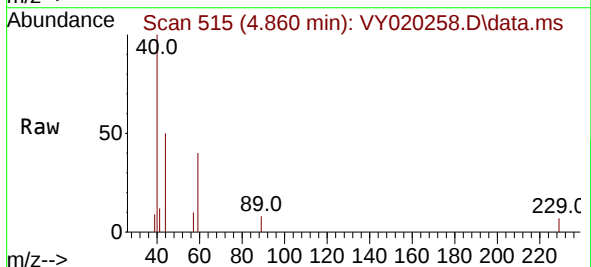
Instrument :
MSVOA_Y
ClientSampleId :

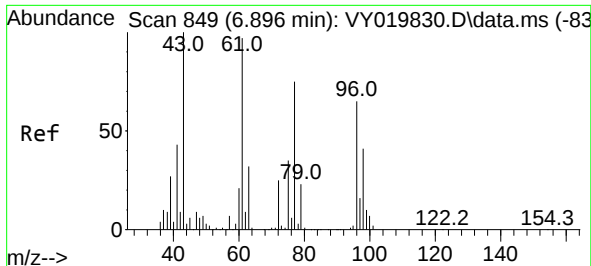
Tgt Ion:168 Resp: 150066
Ion Ratio Lower Upper
168 100
99 61.4 39.1 58.7#



#11
Tert butyl alcohol
Concen: 2.412 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY020258.D
Acq: 11 Nov 2024 19:06

Tgt Ion: 59 Resp: 325
Ion Ratio Lower Upper
59 100
57 22.2 3.0 4.6#





#25

2-Butanone

Concen: 3.581 ug/l

RT: 6.903 min Scan# 81

Delta R.T. 0.013 min

Lab File: VY020258.D

Acq: 11 Nov 2024 19:06

Instrument :

MSVOA_Y

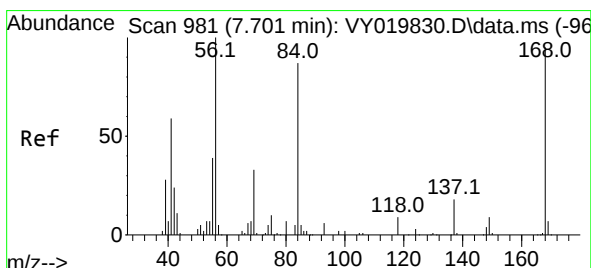
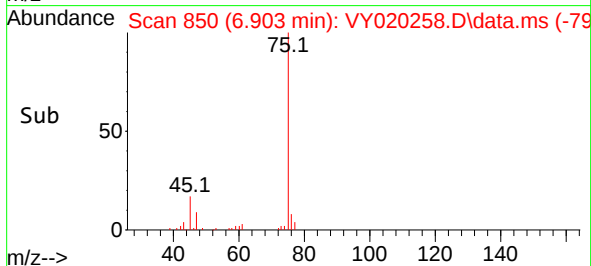
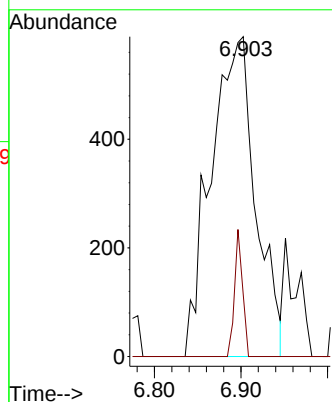
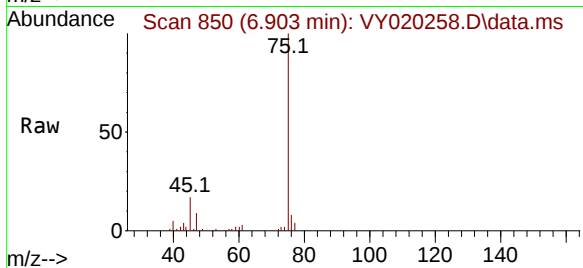
ClientSampleId :

Tgt Ion: 43 Resp: 2114

Ion Ratio Lower Upper

43 100

72 19.4 27.3 40.9#



#31

Cyclohexane

Concen: 1.255 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY020258.D

Acq: 11 Nov 2024 19:06

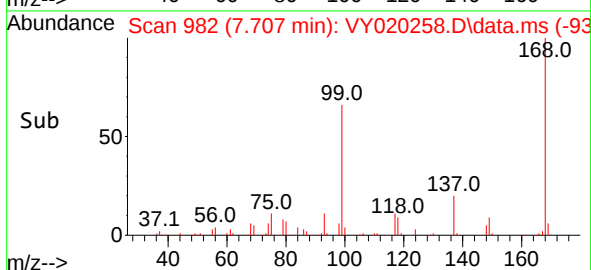
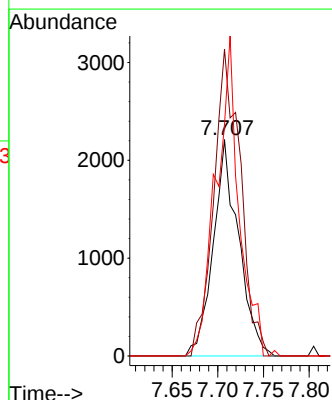
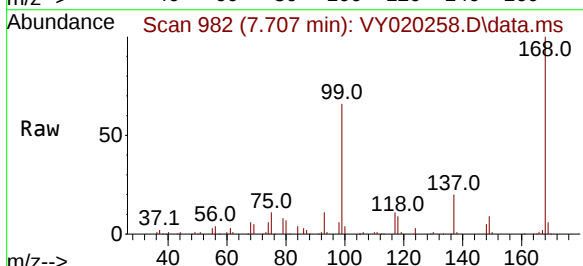
Tgt Ion: 56 Resp: 4266

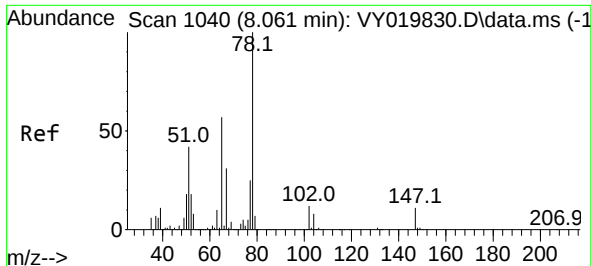
Ion Ratio Lower Upper

56 100

69 141.8 28.7 43.1#

84 107.1 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 58.247 ug/l

RT: 8.067 min Scan# 11041

Delta R.T. 0.006 min

Lab File: VY020258.D

Acq: 11 Nov 2024 19:06

Instrument :

MSVOA_Y

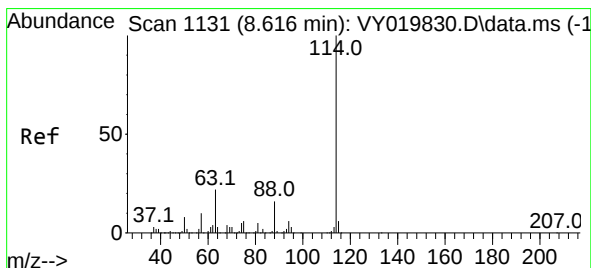
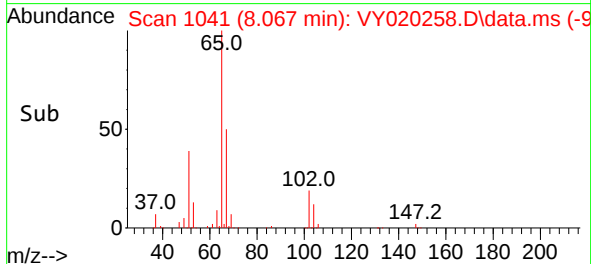
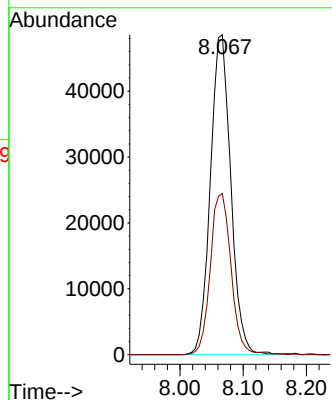
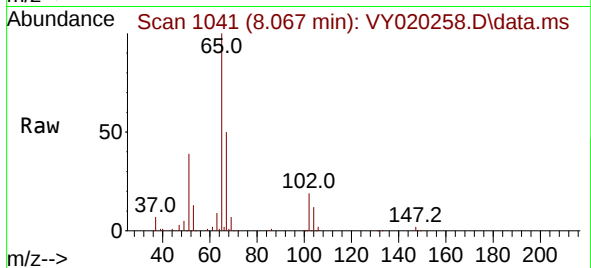
ClientSampleId :

Tgt Ion: 65 Resp: 109092

Ion Ratio Lower Upper

65 100

67 51.0 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: VY020258.D

Acq: 11 Nov 2024 19:06

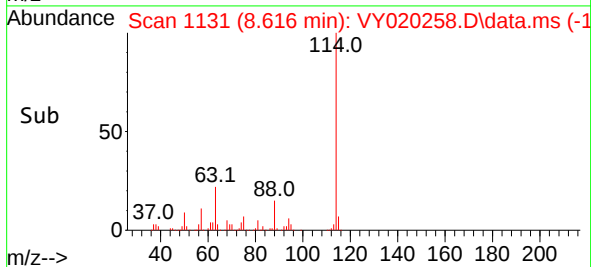
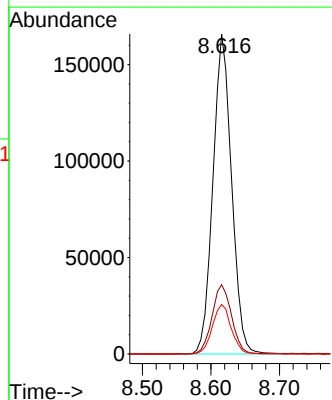
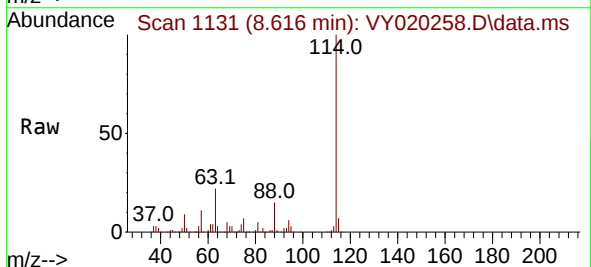
Tgt Ion: 114 Resp: 313060

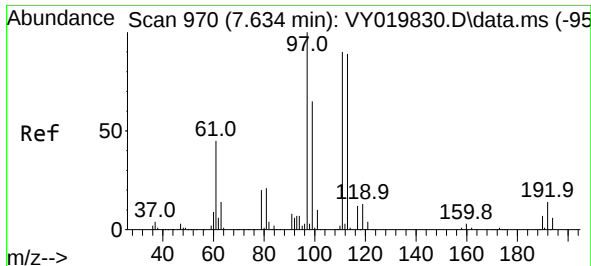
Ion Ratio Lower Upper

114 100

63 21.6 0.0 35.0

88 15.5 0.0 27.2

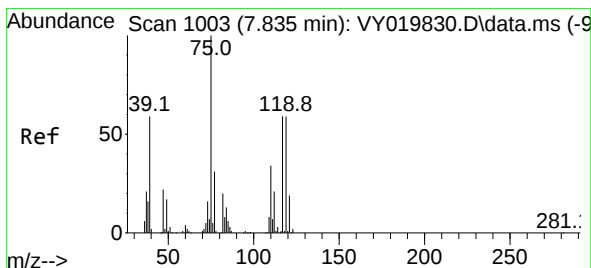
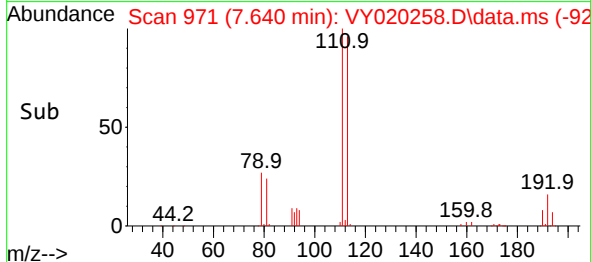
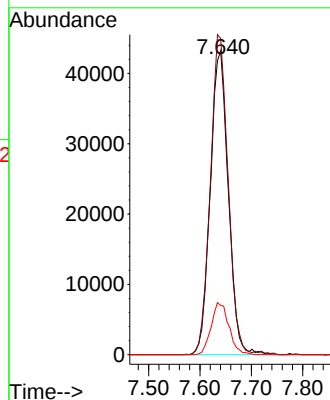
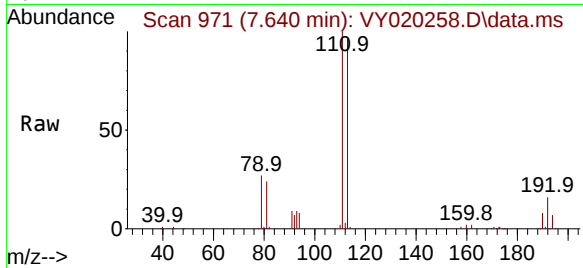




#35
Dibromofluoromethane
Concen: 52.843 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020258.D
Acq: 11 Nov 2024 19:06

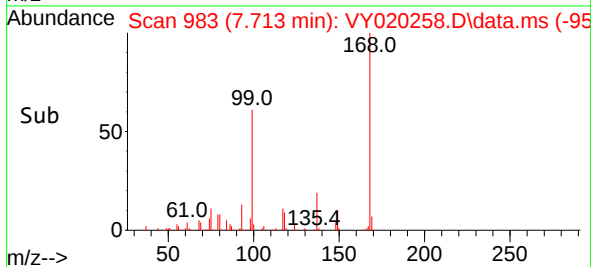
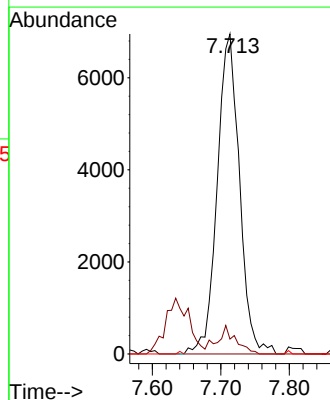
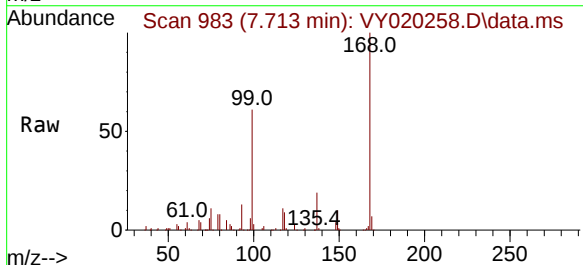
Instrument :
MSVOA_Y
ClientSampleId :

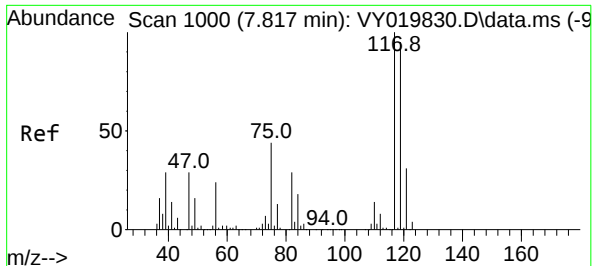
Tgt Ion:113 Resp: 105179
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.4
192 16.9 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.097 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY020258.D
Acq: 11 Nov 2024 19:06

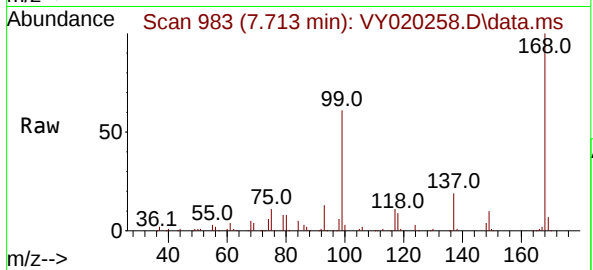
Tgt Ion: 75 Resp: 15671
Ion Ratio Lower Upper
75 100
110 7.2 19.0 57.0#
77 0.0 25.3 37.9#



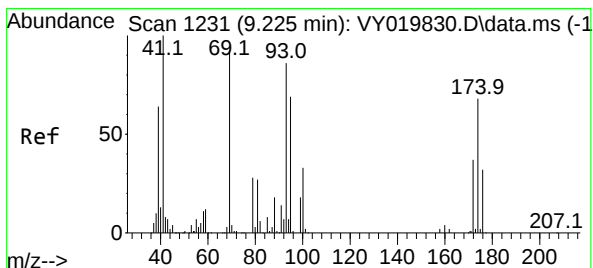
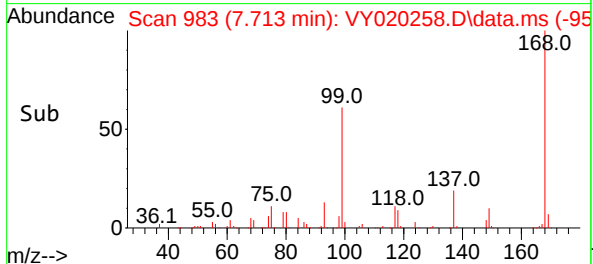
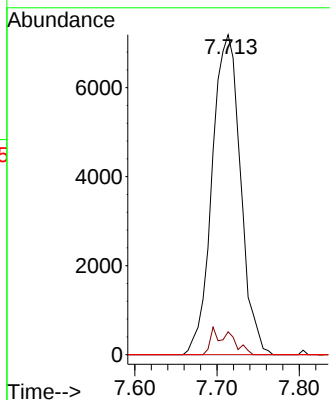


#38
Carbon Tetrachloride
Concen: 5.577 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY020258.D
Acq: 11 Nov 2024 19:06

Instrument :
MSVOA_Y
ClientSampleId :

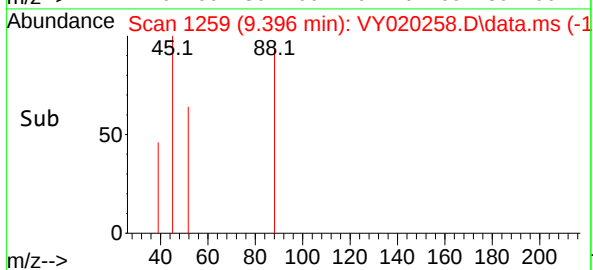
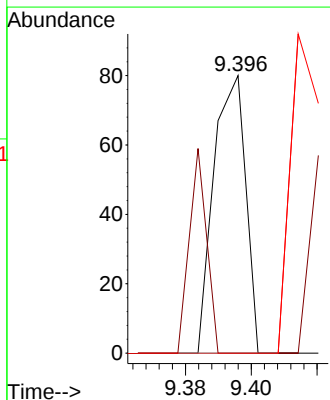
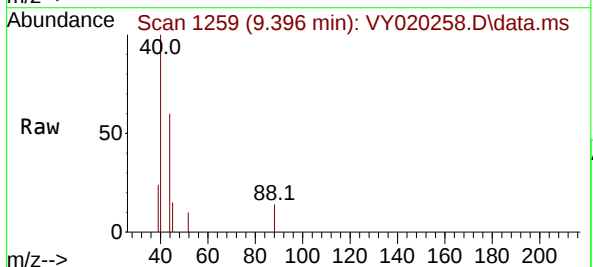


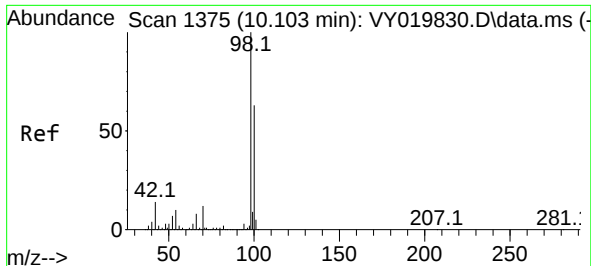
Tgt Ion:117 Resp: 17244
Ion Ratio Lower Upper
117 100
119 7.1 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 4.508 ug/l
RT: 9.396 min Scan# 1259
Delta R.T. 0.165 min
Lab File: VY020258.D
Acq: 11 Nov 2024 19:06

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 40.7 0.0 0.0#
58 0.0 49.3 73.9#

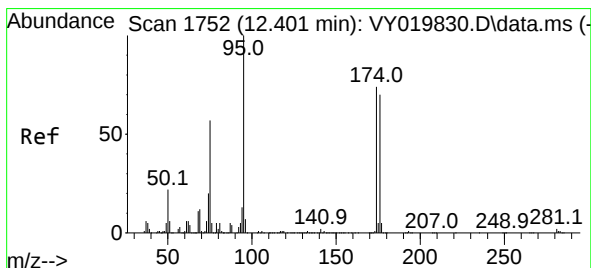
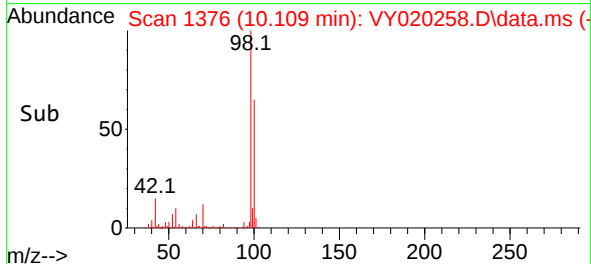
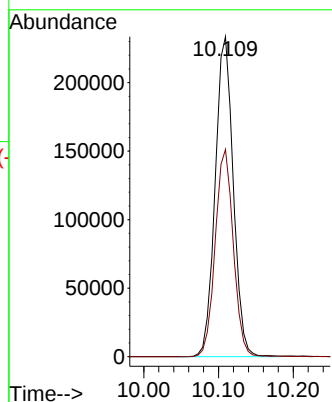
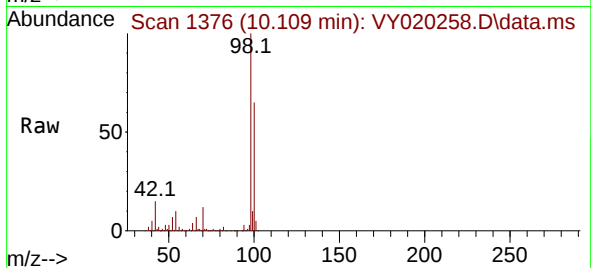




#50
Toluene-d8
Concen: 49.557 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020258.D
Acq: 11 Nov 2024 19:06

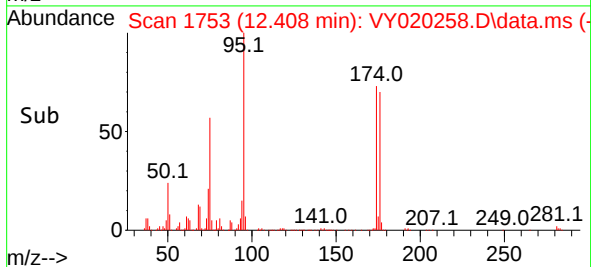
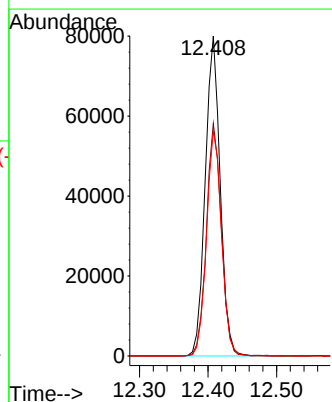
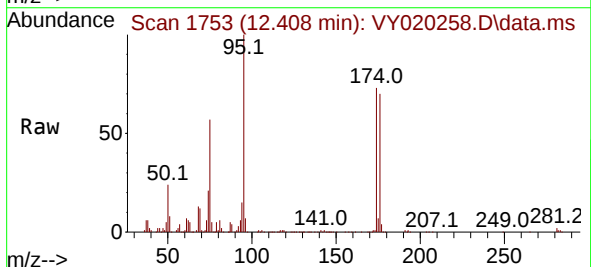
Instrument :
MSVOA_Y
ClientSampleId :

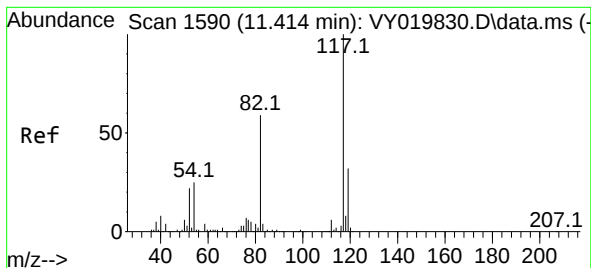
Tgt Ion: 98 Resp: 392634
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 47.234 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020258.D
Acq: 11 Nov 2024 19:06

Tgt Ion: 95 Resp: 121553
Ion Ratio Lower Upper
95 100
174 72.7 0.0 175.6
176 70.3 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY020258.D

Acq: 11 Nov 2024 19:06

Instrument :

MSVOA_Y

ClientSampleId :

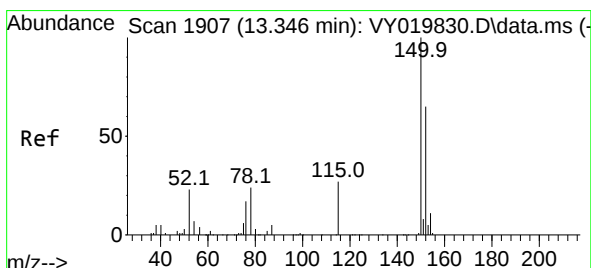
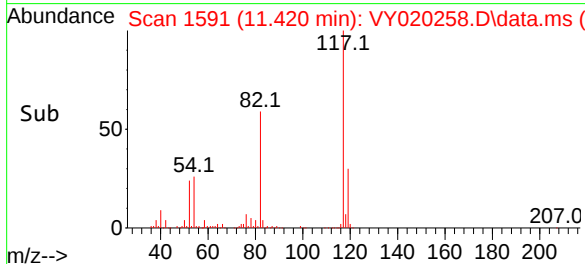
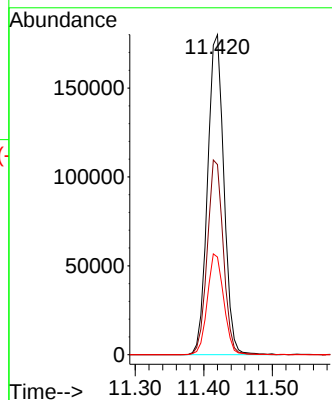
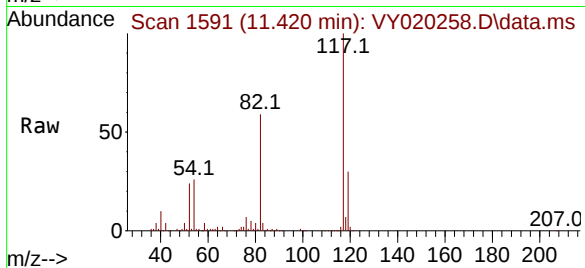
Tgt Ion:117 Resp: 297701

Ion Ratio Lower Upper

117 100

82 59.4 42.4 63.6

119 30.5 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY020258.D

Acq: 11 Nov 2024 19:06

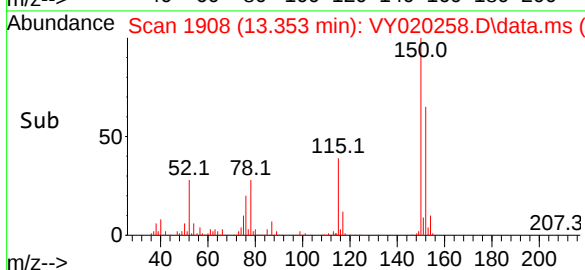
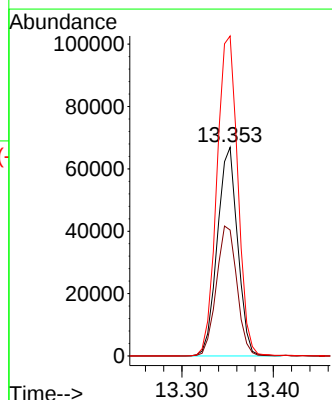
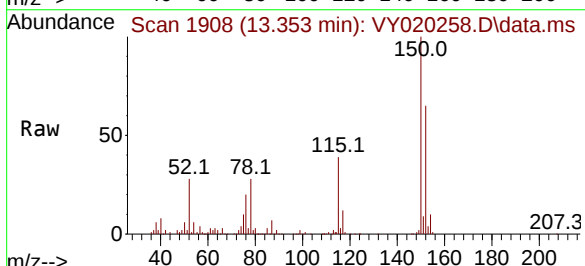
Tgt Ion:152 Resp: 103317

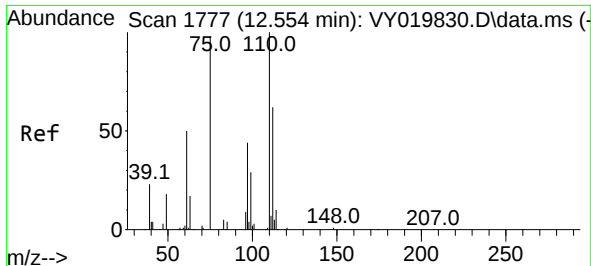
Ion Ratio Lower Upper

152 100

115 63.1 28.2 84.7

150 158.1 0.0 345.6

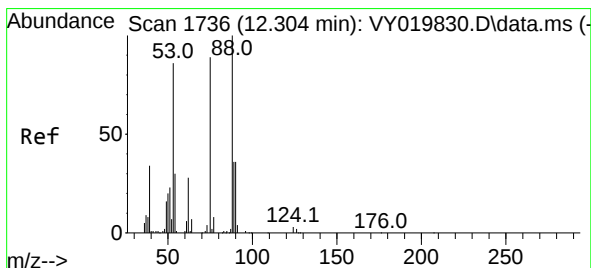
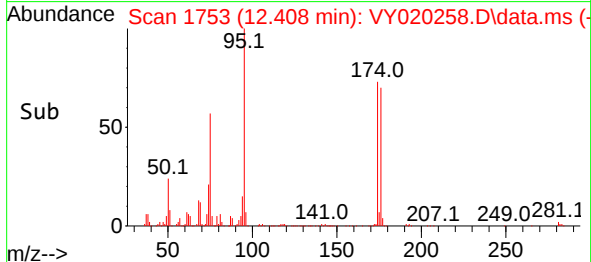
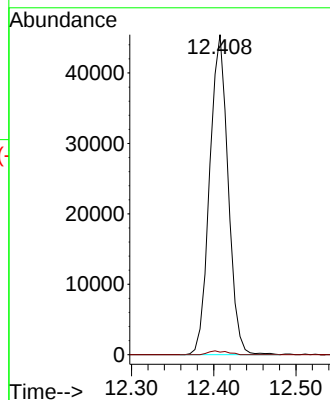
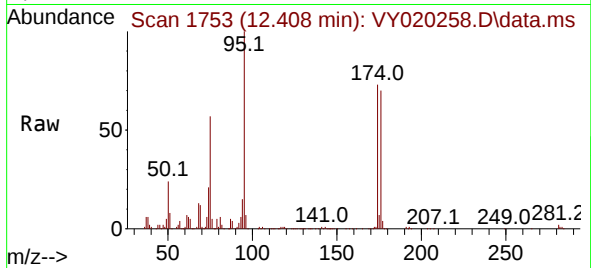




#76
1,2,3-Trichloropropane
Concen: 73.200 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY020258.D
Acq: 11 Nov 2024 19:06

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 70893
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 157.450 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY020258.D
Acq: 11 Nov 2024 19:06

Tgt Ion: 75 Resp: 70893
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

