

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
 Data File : VY020068.D
 Acq On : 29 Oct 2024 17:56
 Operator : SY/MD
 Sample : P4594-03
 Misc : 4.46g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 30 01:28:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 05:44:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	124842	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	254451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	236229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	85044	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	90898	59.133	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.260%
35) Dibromofluoromethane	7.634	113	87135	51.894	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.780%
50) Toluene-d8	10.109	98	320494	51.687	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.380%
62) 4-Bromofluorobenzene	12.408	95	96771	43.192	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	86.380%

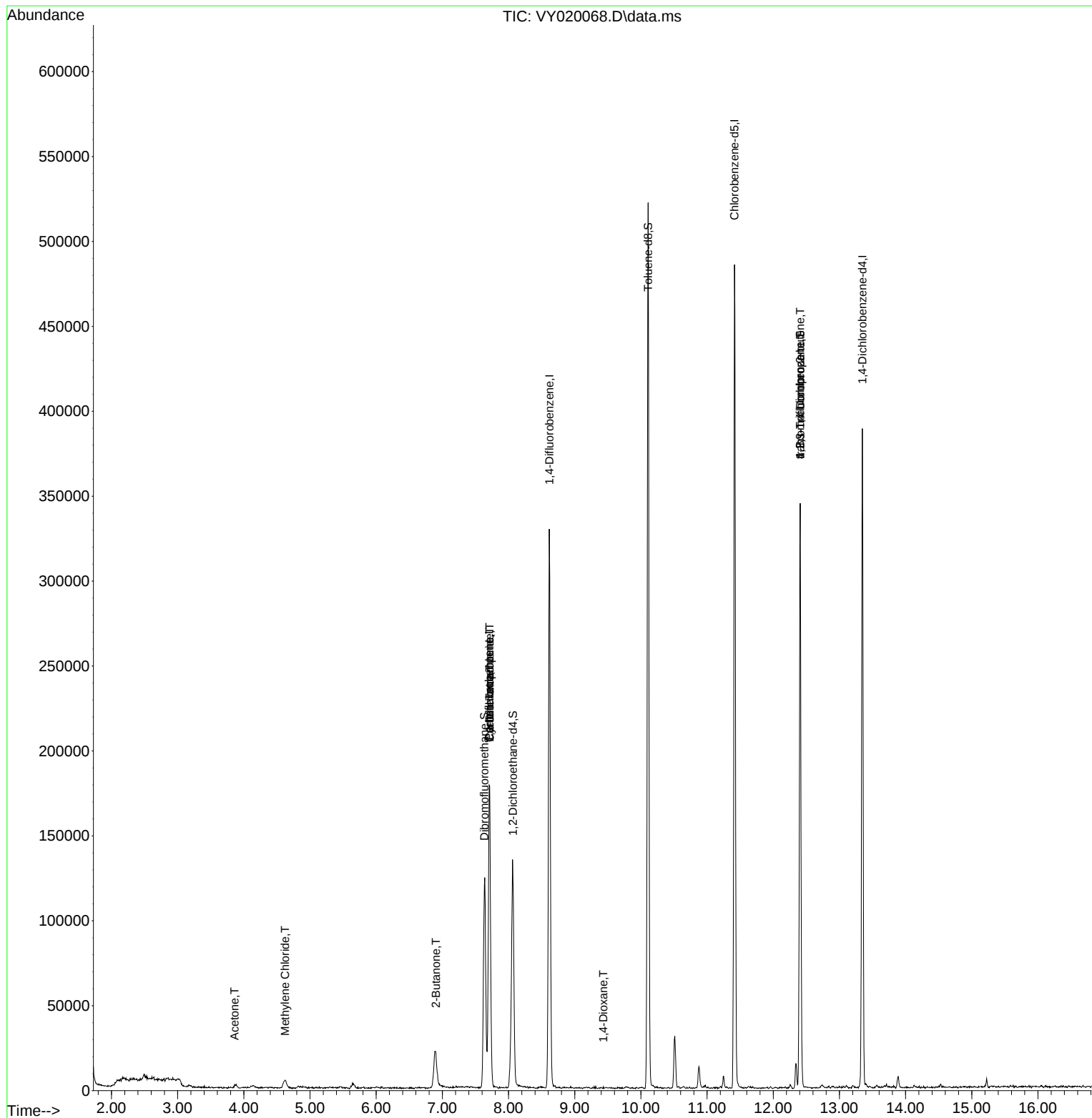
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.860	59	253	Below Cal	#	88
16) Acetone	3.860	43	2396	5.988	ug/l #	62
20) Methylene Chloride	4.622	84	2999	1.242	ug/l #	90
25) 2-Butanone	6.903	43	1492	2.786	ug/l #	68
31) Cyclohexane	7.713	56	3534	1.376	ug/l #	11
36) 1,1-Dichloropropene	7.713	75	13190	5.453	ug/l #	48
38) Carbon Tetrachloride	7.713	117	14074	5.427	ug/l #	17
49) 1,4-Dioxane	9.433	88	25	2.231	ug/l #	20
76) 1,2,3-Trichloropropane	12.408	75	57283	34.383	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	57283	138.785	ug/l #	16

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

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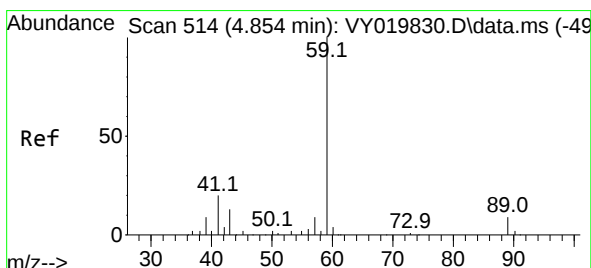
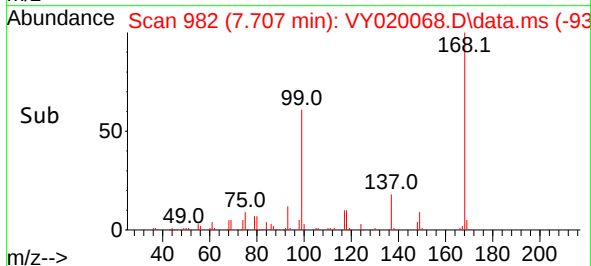
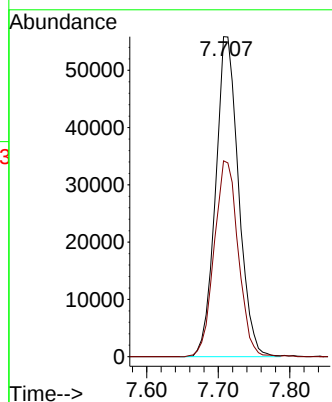
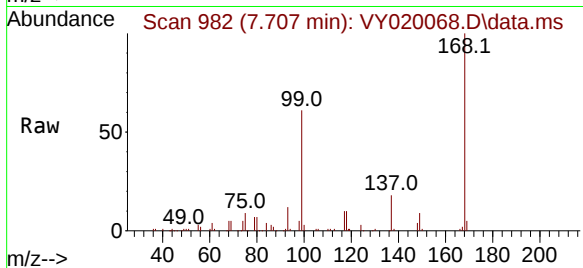




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020068.D
Acq: 29 Oct 2024 17:56

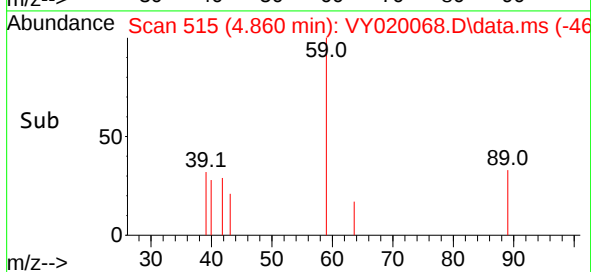
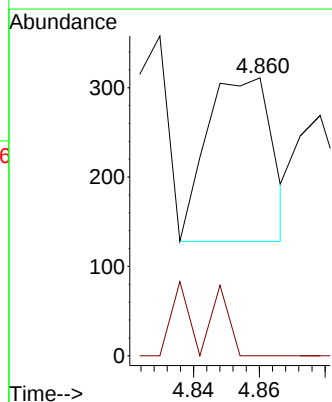
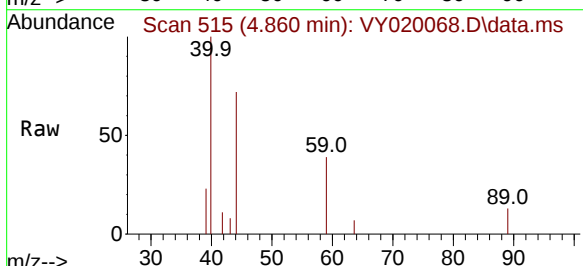
Instrument :
MSVOA_Y
ClientSampleId :

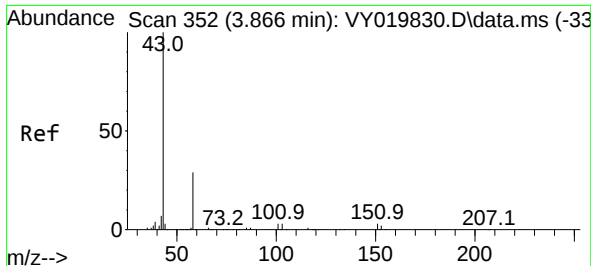
Tgt Ion:168 Resp: 124842
Ion Ratio Lower Upper
168 100
99 61.2 39.1 58.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY020068.D
Acq: 29 Oct 2024 17:56

Tgt Ion: 59 Resp: 253
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 5.988 ug/l

RT: 3.860 min Scan# 31

Delta R.T. -0.012 min

Lab File: VY020068.D

Acq: 29 Oct 2024 17:56

Instrument :

MSVOA_Y

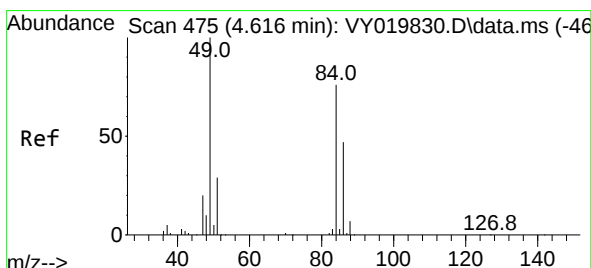
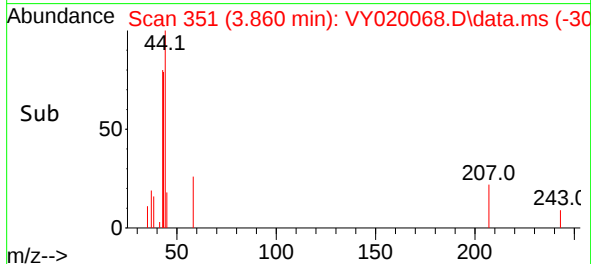
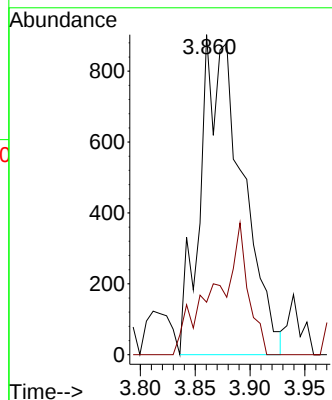
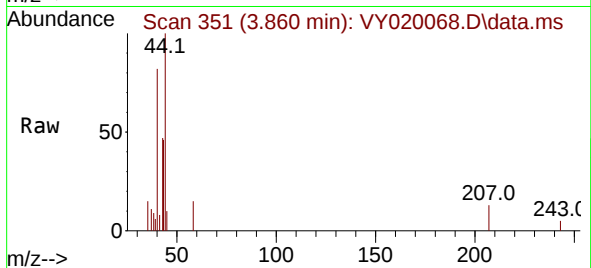
ClientSampleId :

Tgt Ion: 43 Resp: 2396

Ion Ratio Lower Upper

43 100

58 16.4 31.7 47.5#



#20

Methylene Chloride

Concen: 1.242 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY020068.D

Acq: 29 Oct 2024 17:56

Tgt Ion: 84 Resp: 2999

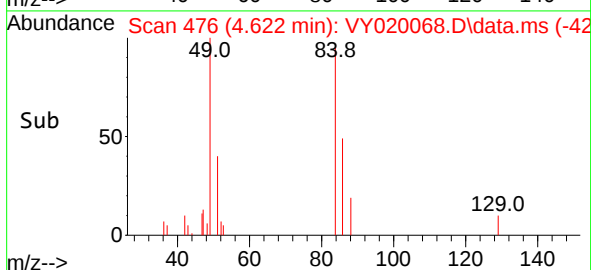
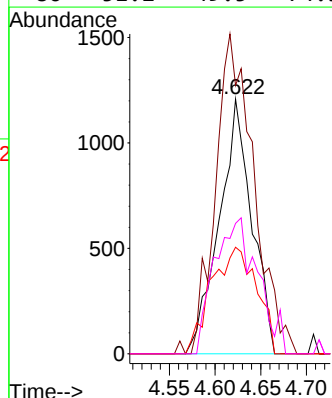
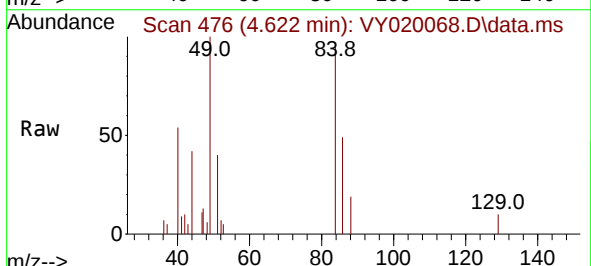
Ion Ratio Lower Upper

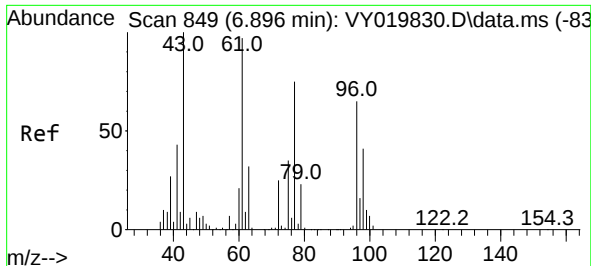
84 100

49 100.3 84.4 126.6

51 41.9 26.0 39.0#

86 51.2 49.5 74.3

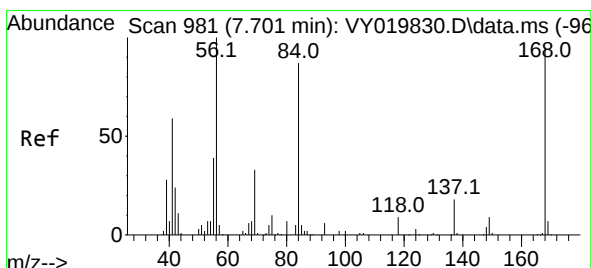
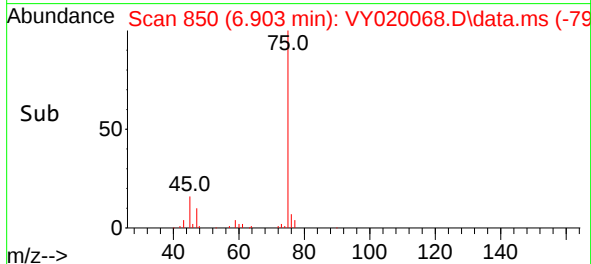
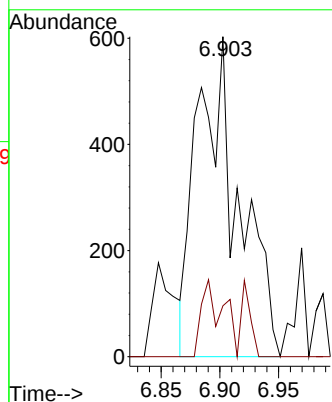
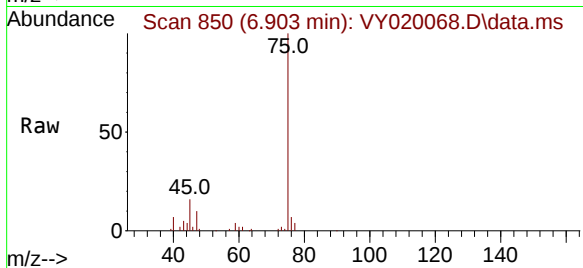




#25
2-Butanone
Concen: 2.786 ug/l
RT: 6.903 min Scan# 849
Delta R.T. 0.013 min
Lab File: VY020068.D
Acq: 29 Oct 2024 17:56

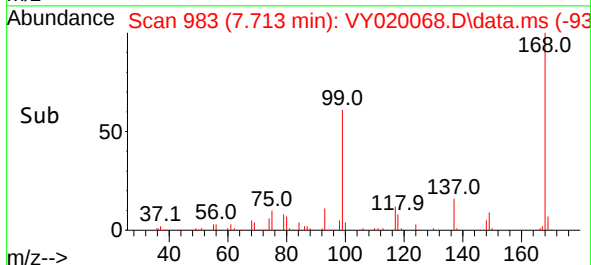
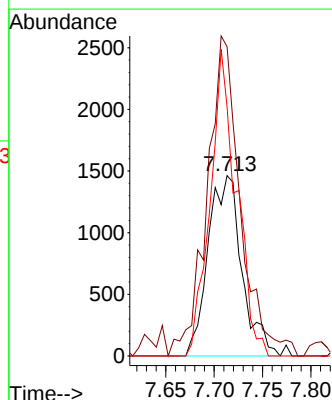
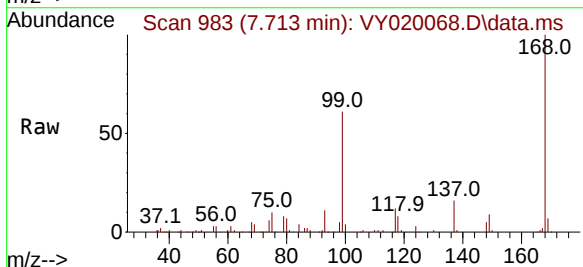
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 1492
Ion Ratio Lower Upper
43 100
72 15.9 27.3 40.9#



#31
Cyclohexane
Concen: 1.376 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.013 min
Lab File: VY020068.D
Acq: 29 Oct 2024 17:56

Tgt Ion: 56 Resp: 3534
Ion Ratio Lower Upper
56 100
69 163.9 28.7 43.1#
84 138.1 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 59.133 ug/l

RT: 8.067 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY020068.D

Acq: 29 Oct 2024 17:56

Instrument :

MSVOA_Y

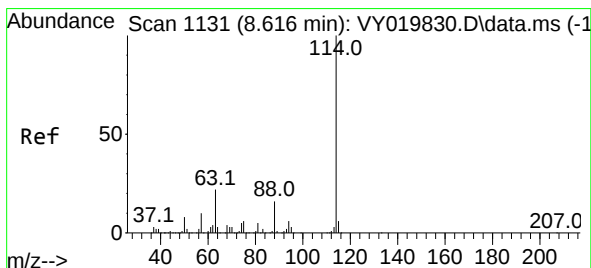
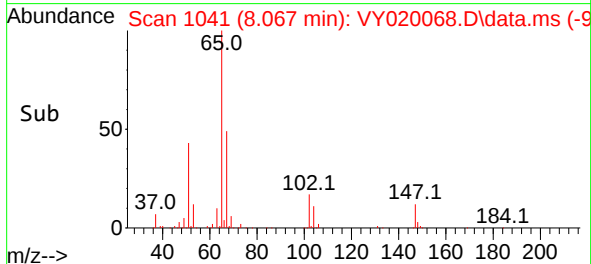
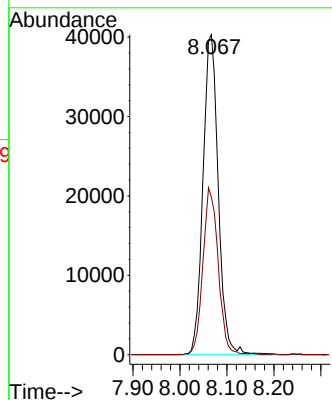
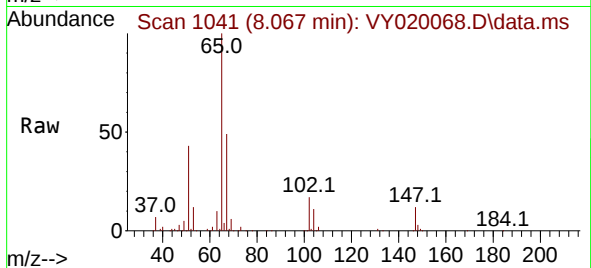
ClientSampleId :

Tgt Ion: 65 Resp: 90898

Ion Ratio Lower Upper

65 100

67 52.1 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: VY020068.D

Acq: 29 Oct 2024 17:56

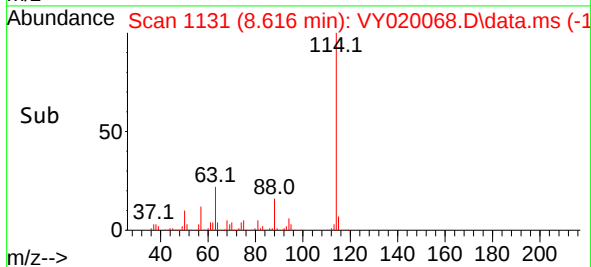
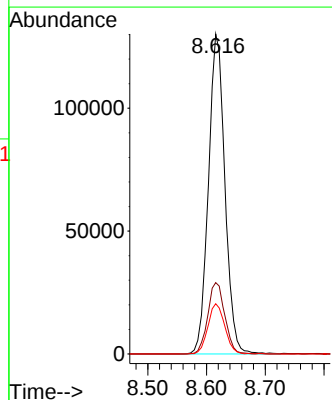
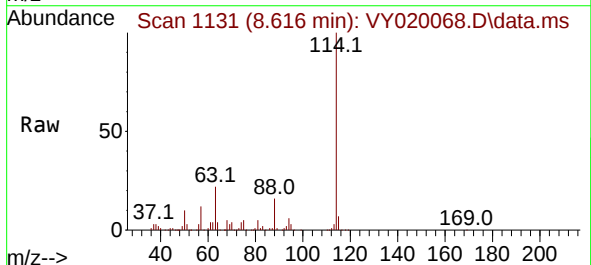
Tgt Ion: 114 Resp: 254451

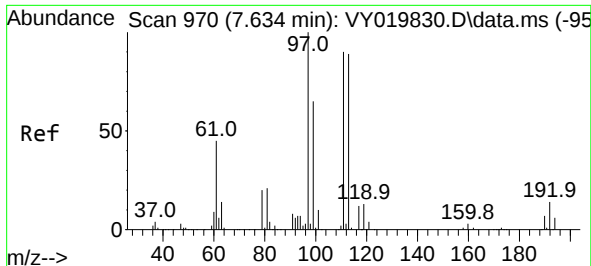
Ion Ratio Lower Upper

114 100

63 22.3 0.0 35.0

88 15.7 0.0 27.2





#35

Dibromofluoromethane

Concen: 51.894 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

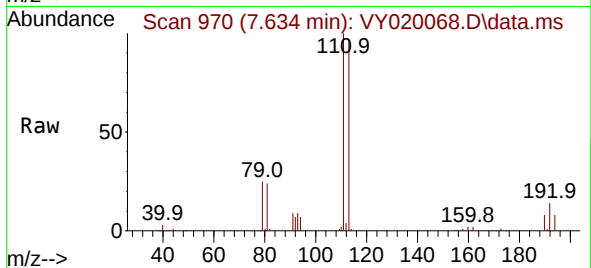
Lab File: VY020068.D

Acq: 29 Oct 2024 17:56

Instrument :

MSVOA_Y

ClientSampleId :



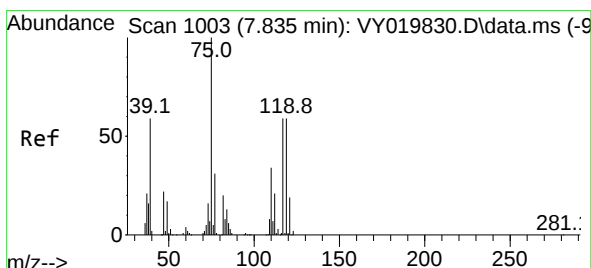
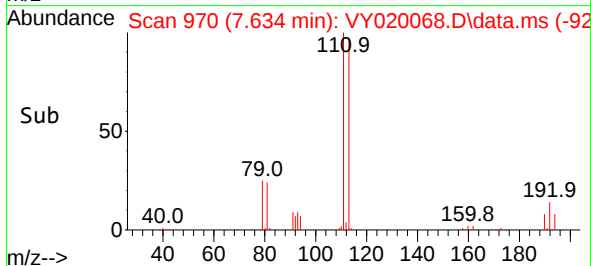
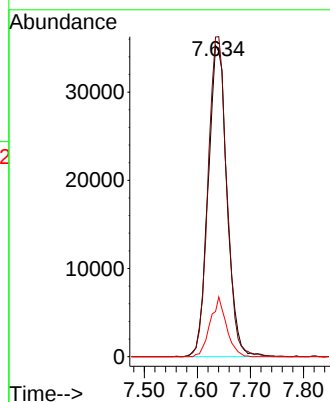
Tgt Ion:113 Resp: 87135

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

192 16.6 15.9 23.9



#36

1,1-Dichloropropene

Concen: 5.453 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY020068.D

Acq: 29 Oct 2024 17:56

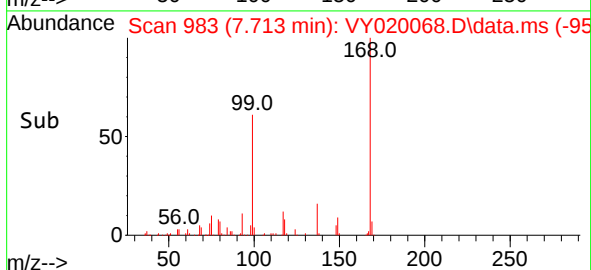
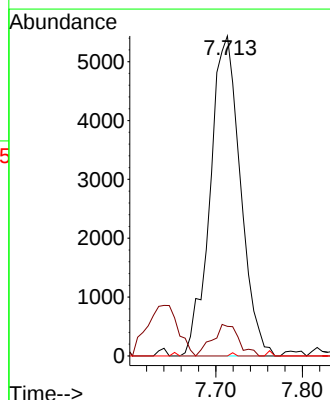
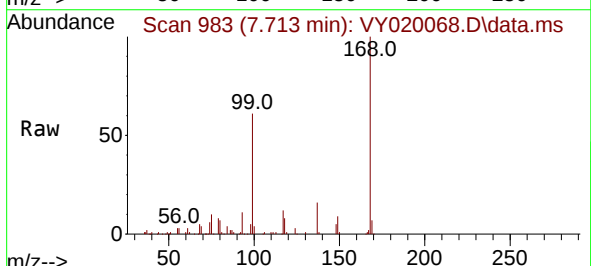
Tgt Ion: 75 Resp: 13190

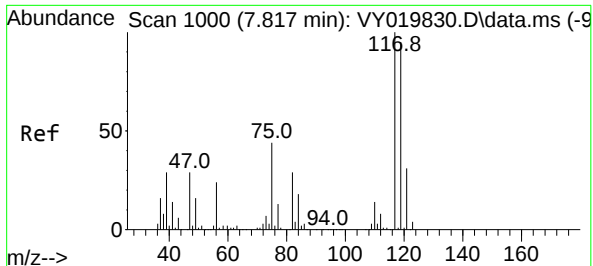
Ion Ratio Lower Upper

75 100

110 8.5 19.0 57.0#

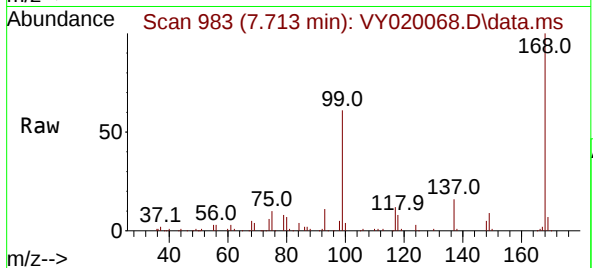
77 0.2 25.3 37.9#



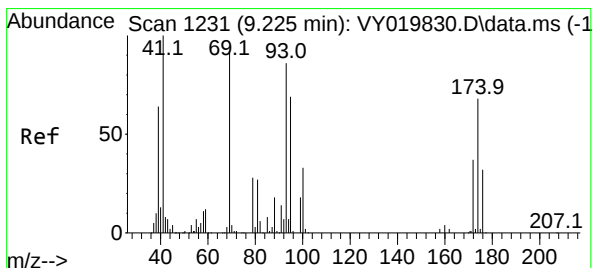
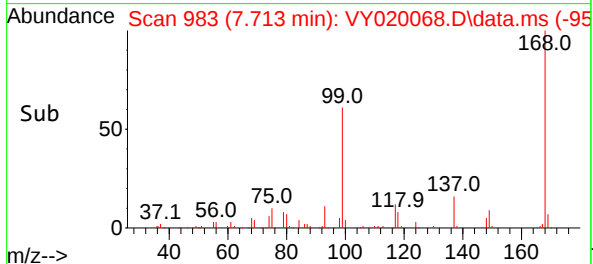
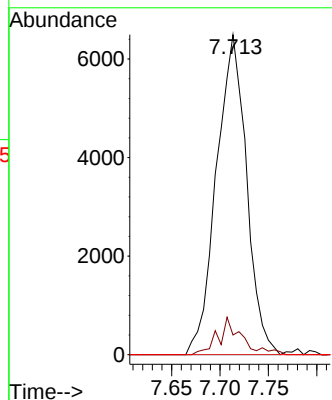


#38
Carbon Tetrachloride
Concen: 5.427 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY020068.D
Acq: 29 Oct 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :

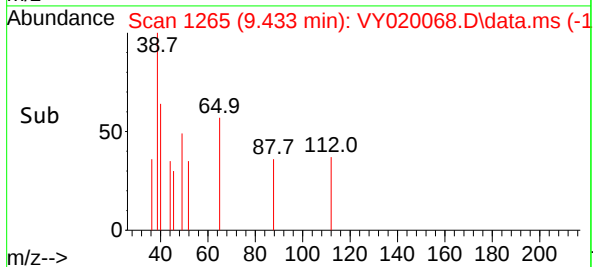
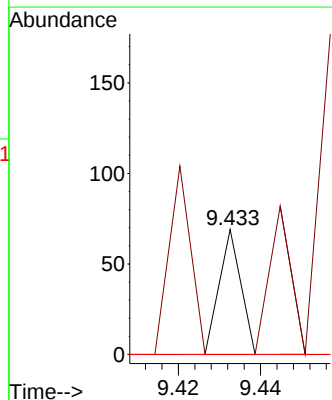
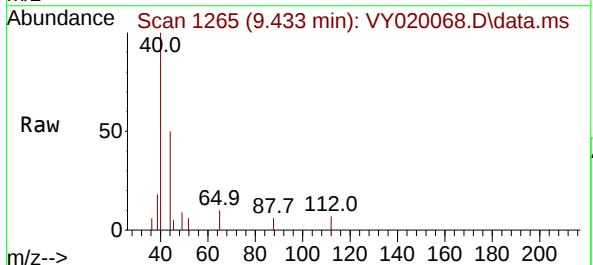


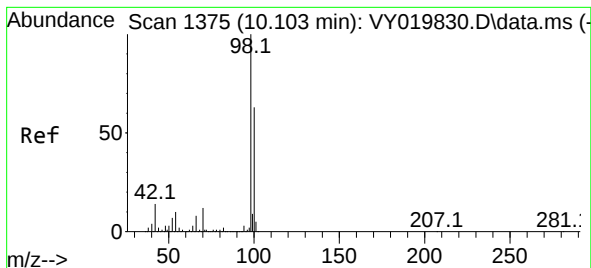
Tgt Ion:117 Resp: 14074
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 2.231 ug/l
RT: 9.433 min Scan# 1265
Delta R.T. 0.202 min
Lab File: VY020068.D
Acq: 29 Oct 2024 17:56

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 152.0 0.0 0.0#
58 0.0 49.3 73.9#

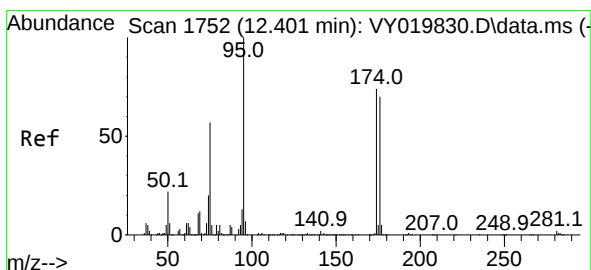
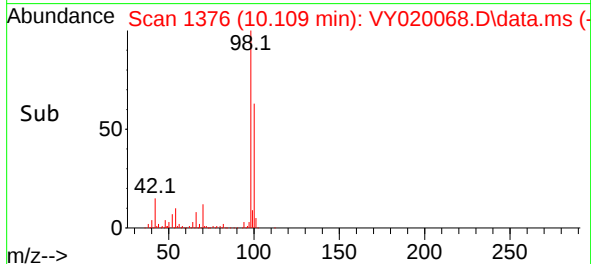
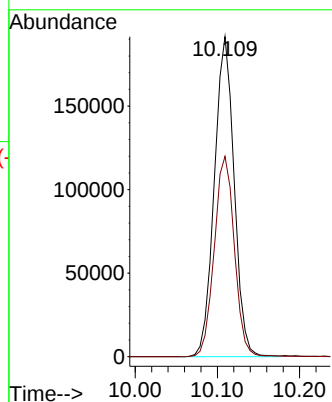
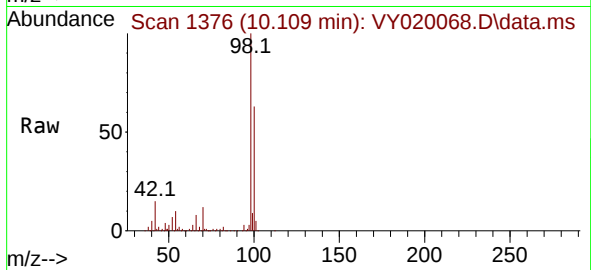




#50
Toluene-d8
Concen: 51.687 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020068.D
Acq: 29 Oct 2024 17:56

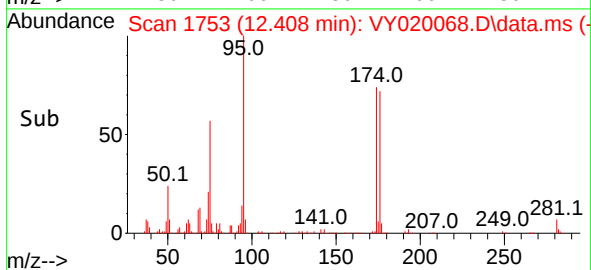
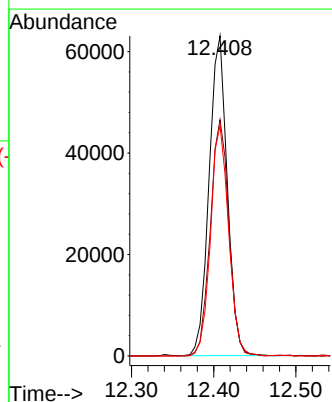
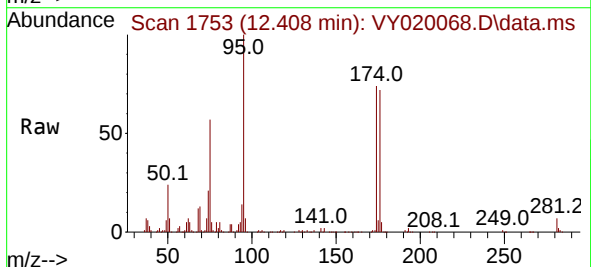
Instrument :
MSVOA_Y
ClientSampleId :

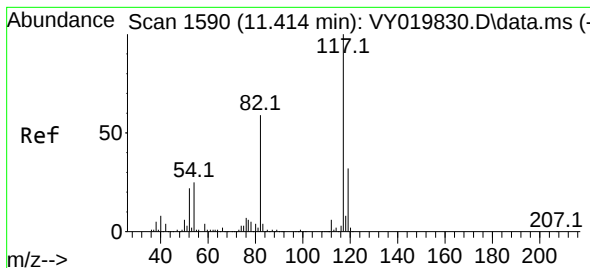
Tgt Ion: 98 Resp: 320494
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 43.192 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020068.D
Acq: 29 Oct 2024 17:56

Tgt Ion: 95 Resp: 96771
Ion Ratio Lower Upper
95 100
174 75.5 0.0 175.6
176 71.6 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

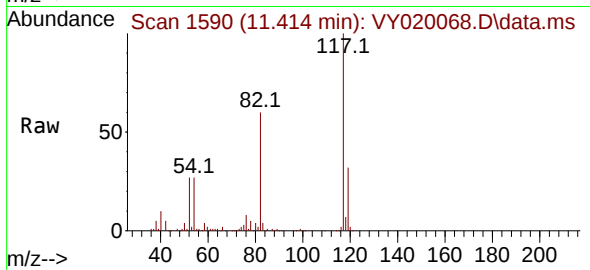
Lab File: VY020068.D

Acq: 29 Oct 2024 17:56

Instrument :

MSVOA_Y

ClientSampleId :



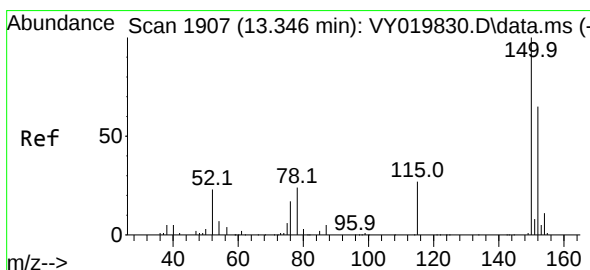
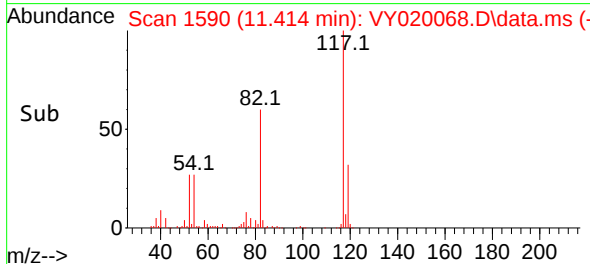
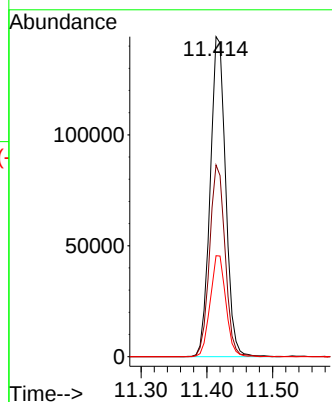
Tgt Ion:117 Resp: 236229

Ion Ratio Lower Upper

117 100

82 59.9 42.4 63.6

119 31.6 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: VY020068.D

Acq: 29 Oct 2024 17:56

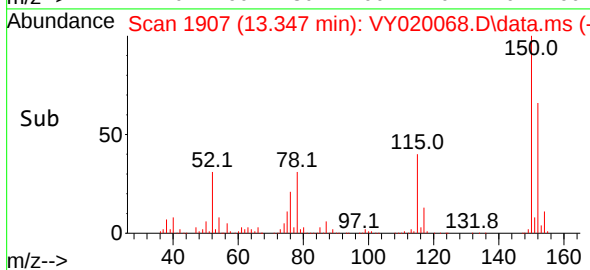
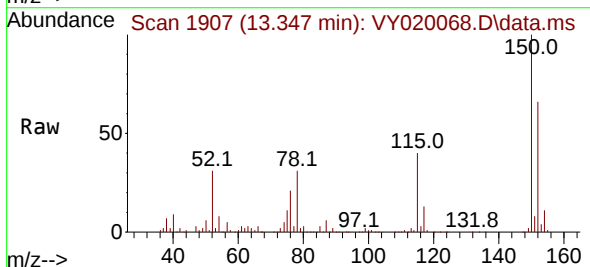
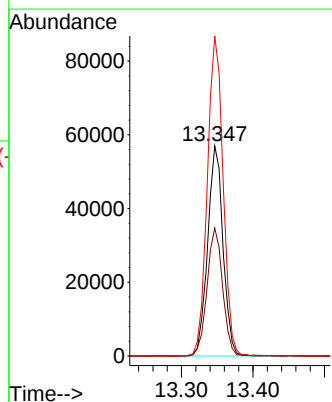
Tgt Ion:152 Resp: 85044

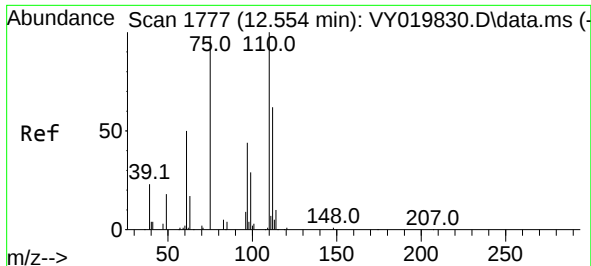
Ion Ratio Lower Upper

152 100

115 61.5 28.2 84.7

150 156.3 0.0 345.6

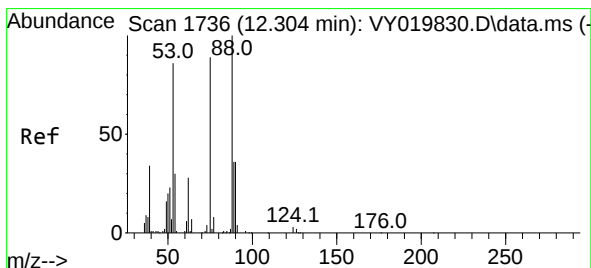
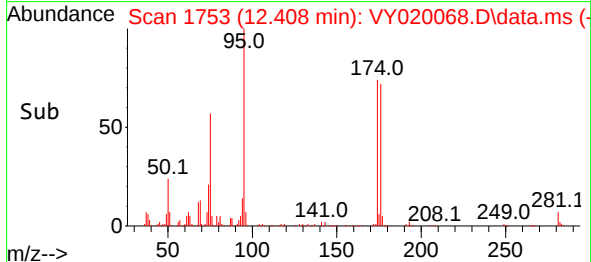
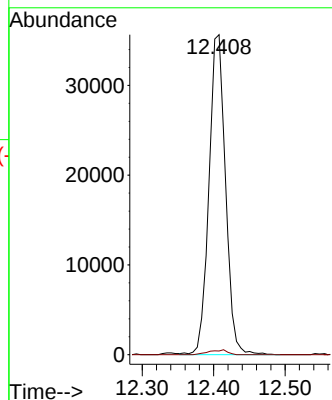
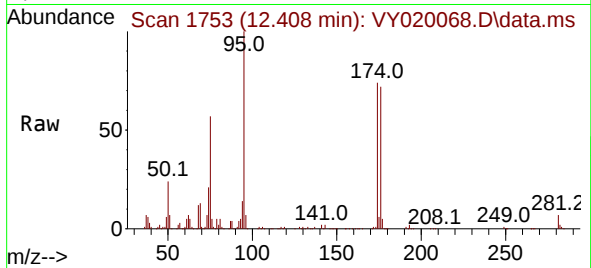




#76
1,2,3-Trichloropropane
Concen: 34.383 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY020068.D
Acq: 29 Oct 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 57283
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.785 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY020068.D
Acq: 29 Oct 2024 17:56

Tgt Ion: 75 Resp: 57283
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.2 35.8 53.6#

