

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111224\
 Data File : VY020268.D
 Acq On : 12 Nov 2024 15:25
 Operator : SY/MD
 Sample : P4807-03
 Misc : 4.76g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 13 00:36:31 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)

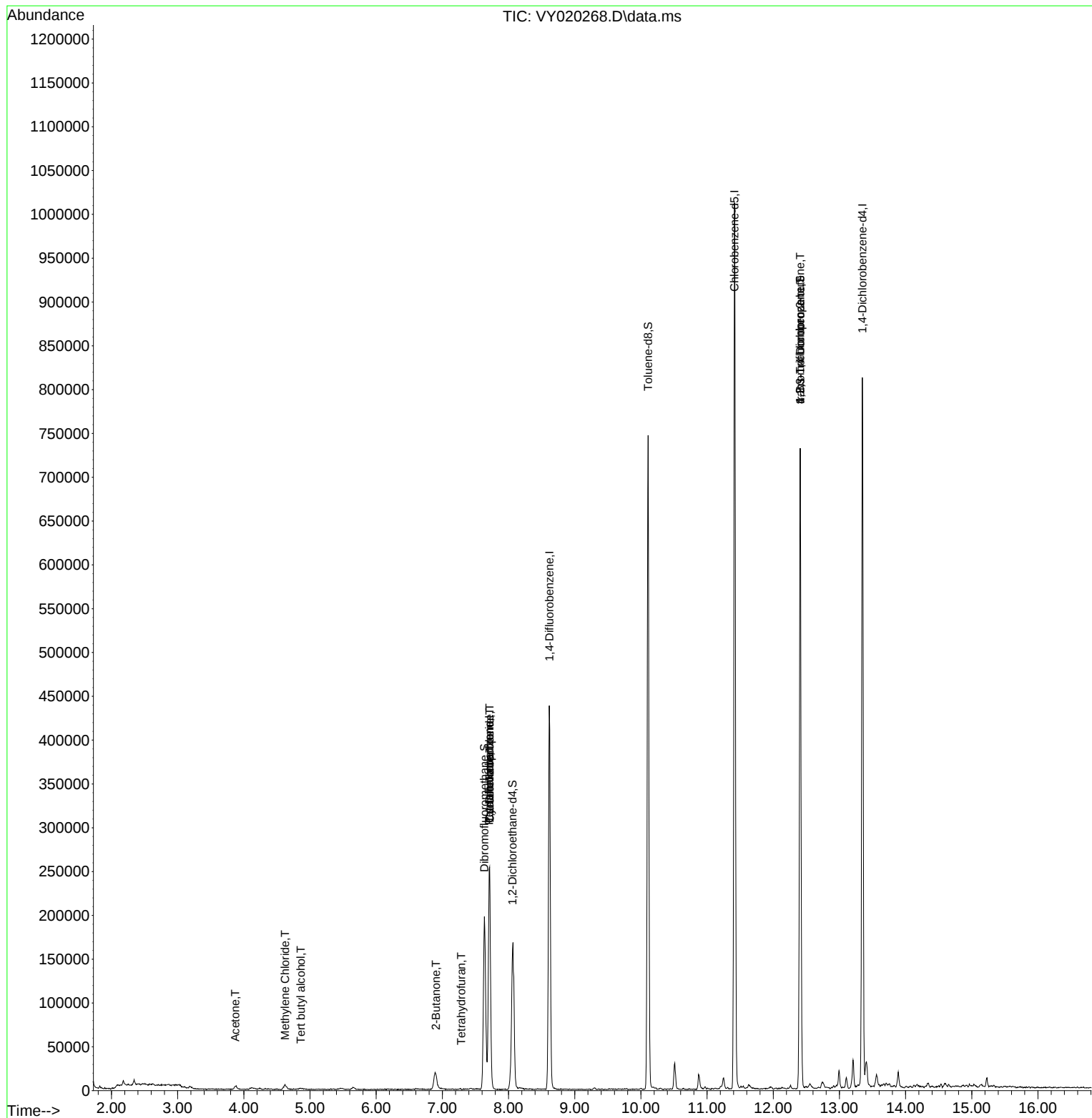
Internal Standards						
1) Pentafluorobenzene	7.707	168	177561	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	344292	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	504240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	189683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	127926	57.726	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.460%	
35) Dibromofluoromethane	7.634	113	137432	62.783	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 125.560%	
50) Toluene-d8	10.109	98	459662	52.754	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.500%	
62) 4-Bromofluorobenzene	12.408	95	216106	76.358	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 152.720%#	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	1830	11.480	ug/l	# 89
16) Acetone	3.873	43	6677	12.956	ug/l	# 86
20) Methylene Chloride	4.622	84	3431	1.482	ug/l	# 79
25) 2-Butanone	6.903	43	2560	3.665	ug/l	# 59
29) Tetrahydrofuran	7.287	42	448	1.111	ug/l	# 33
31) Cyclohexane	7.713	56	5331	1.326	ug/l	# 53
36) 1,1-Dichloropropene	7.713	75	18350	5.427	ug/l	# 48
38) Carbon Tetrachloride	7.713	117	20085	5.907	ug/l	# 17
76) 1,2,3-Trichloropropane	12.408	75	121092	68.103	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.408	75	121092	146.487	ug/l	# 16

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

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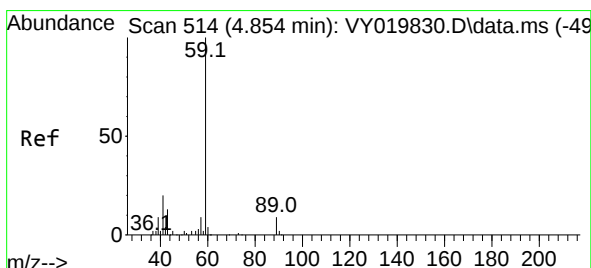
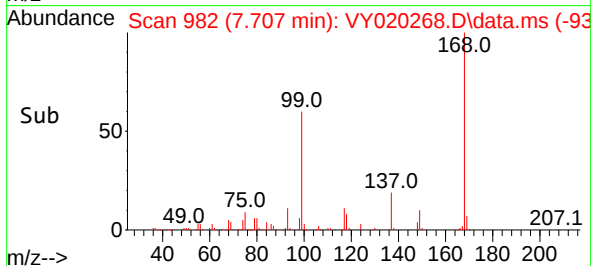
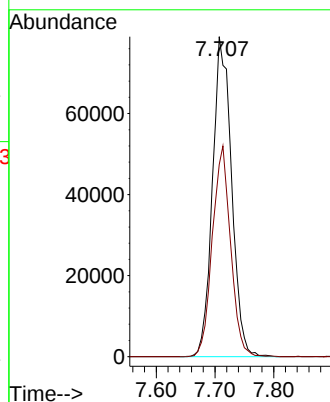
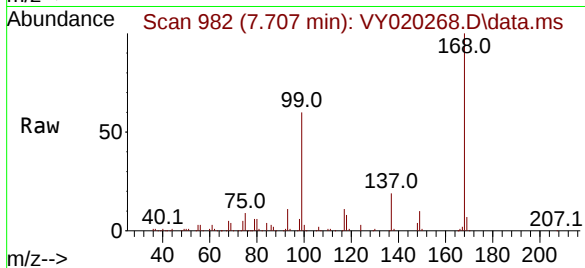




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020268.D
Acq: 12 Nov 2024 15:25

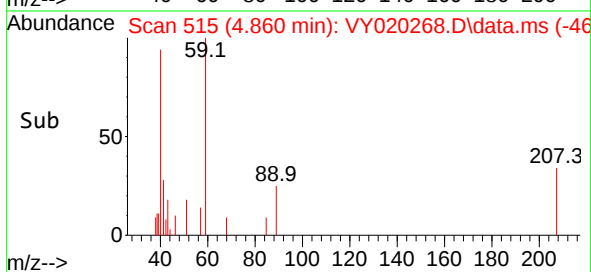
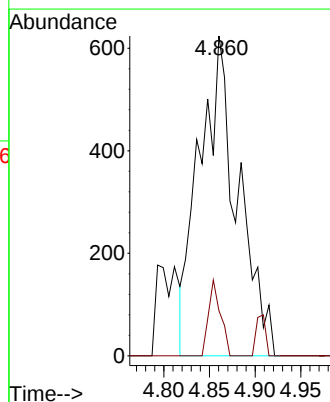
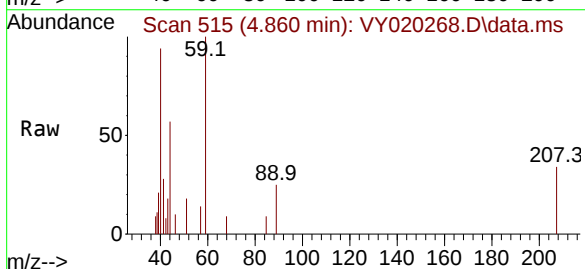
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 177561
Ion Ratio Lower Upper
168 100
99 60.1 39.1 58.7#



#11
Tert butyl alcohol
Concen: 11.480 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY020268.D
Acq: 12 Nov 2024 15:25

Tgt Ion: 59 Resp: 1830
Ion Ratio Lower Upper
59 100
57 7.3 3.0 4.6#

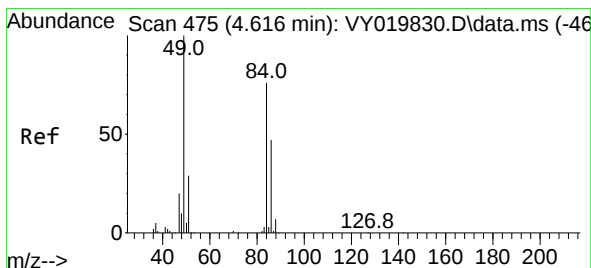
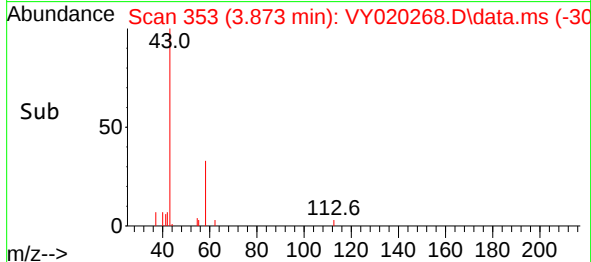
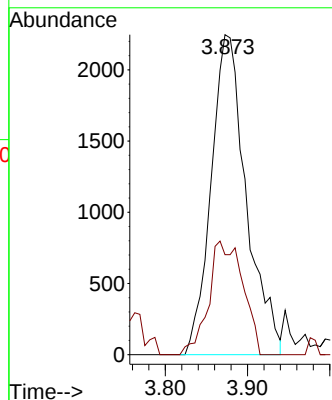
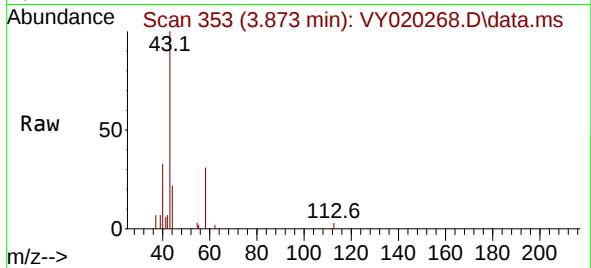




#16
Acetone
Concen: 12.956 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY020268.D
Acq: 12 Nov 2024 15:25

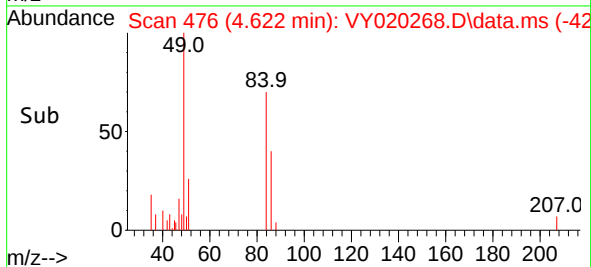
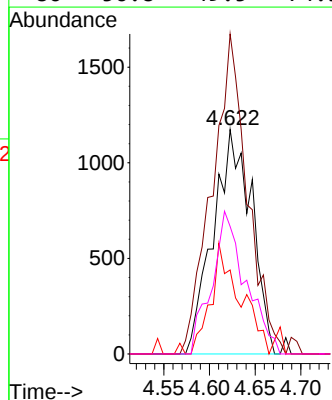
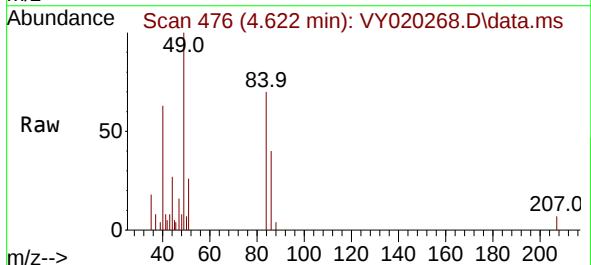
Instrument :
MSVOA_Y
ClientSampleId :

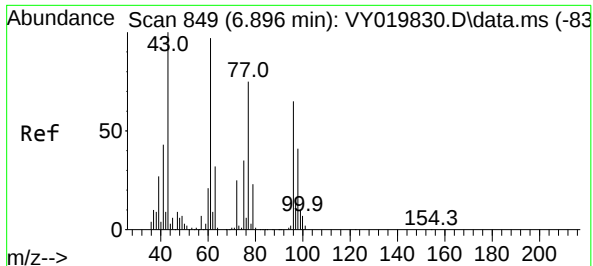
Tgt Ion: 43 Resp: 6677
Ion Ratio Lower Upper
43 100
58 31.3 31.7 47.5#



#20
Methylene Chloride
Concen: 1.482 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY020268.D
Acq: 12 Nov 2024 15:25

Tgt Ion: 84 Resp: 3431
Ion Ratio Lower Upper
84 100
49 142.6 84.4 126.6#
51 32.7 26.0 39.0
86 56.8 49.5 74.3





#25

2-Butanone

Concen: 3.665 ug/l

RT: 6.903 min Scan# 81

Delta R.T. 0.013 min

Lab File: VY020268.D

Acq: 12 Nov 2024 15:25

Instrument :

MSVOA_Y

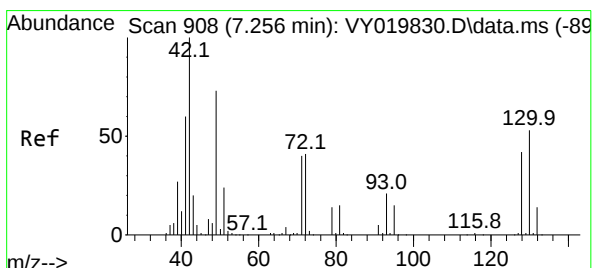
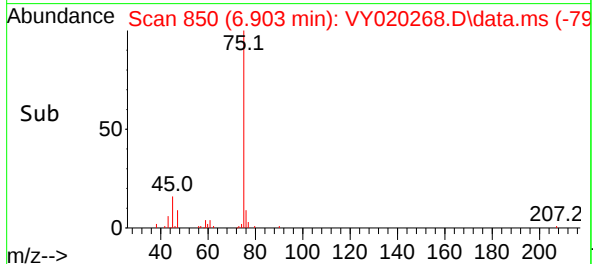
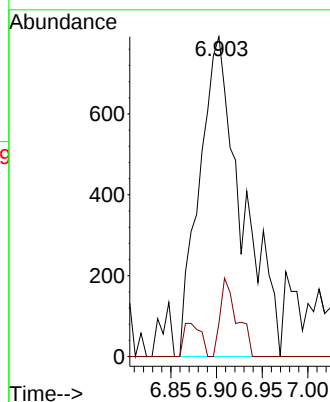
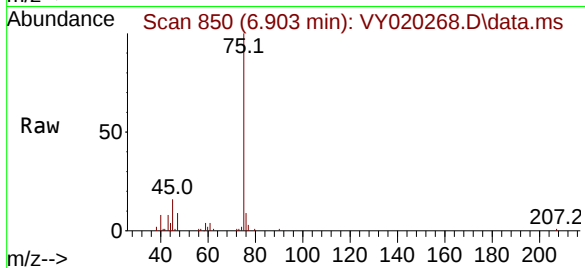
ClientSampleId :

Tgt Ion: 43 Resp: 2560

Ion Ratio Lower Upper

43 100

72 10.4 27.3 40.9#



#29

Tetrahydrofuran

Concen: 1.111 ug/l

RT: 7.287 min Scan# 913

Delta R.T. 0.025 min

Lab File: VY020268.D

Acq: 12 Nov 2024 15:25

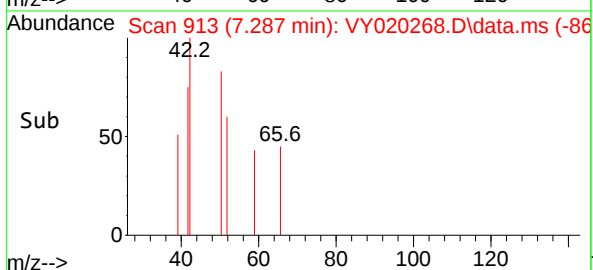
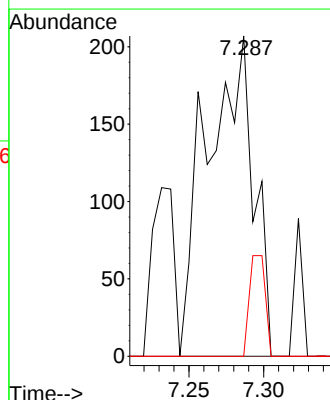
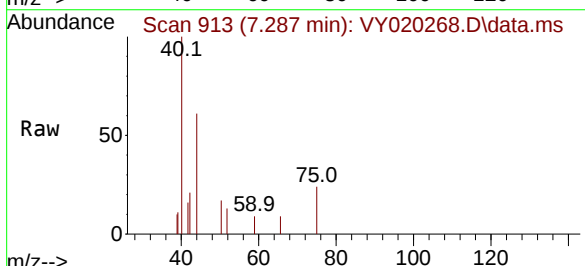
Tgt Ion: 42 Resp: 448

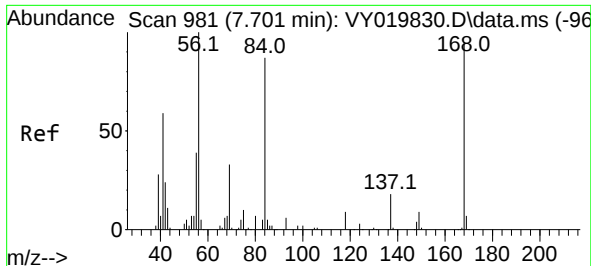
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 10.7 40.8 61.2#

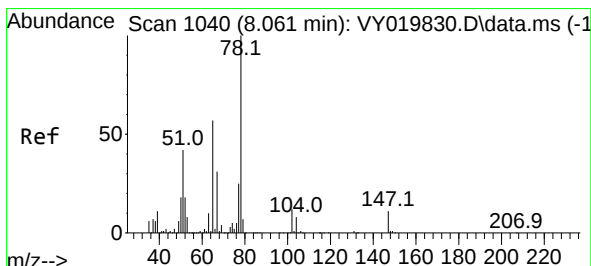
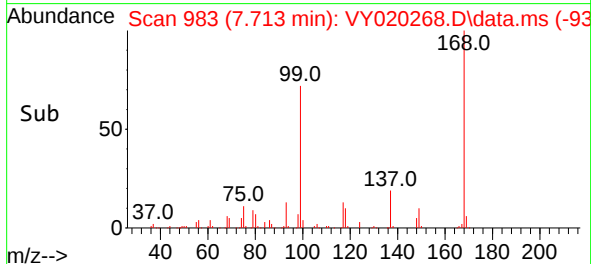
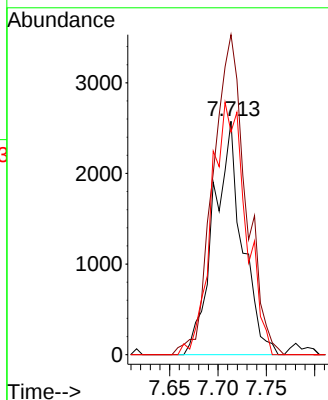
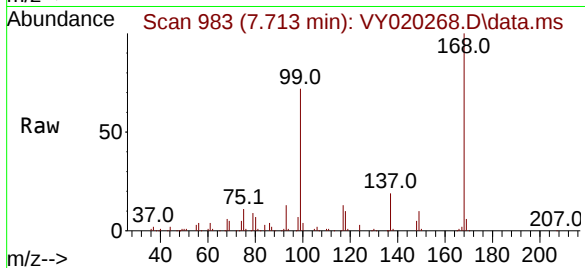




#31
Cyclohexane
Concen: 1.326 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.013 min
Lab File: VY020268.D
Acq: 12 Nov 2024 15:25

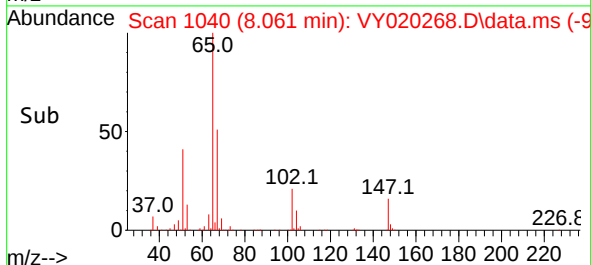
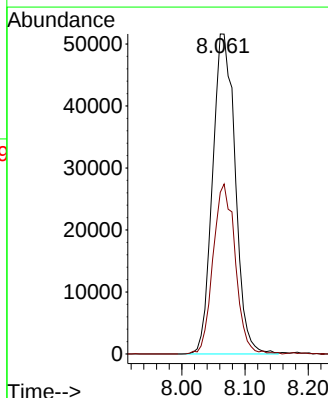
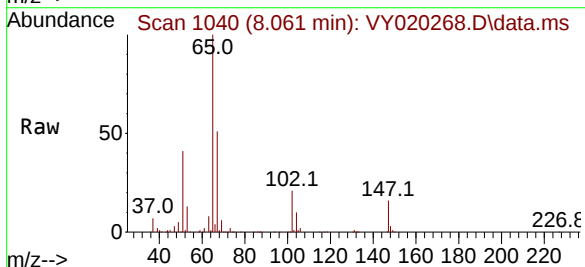
Instrument :
MSVOA_Y
ClientSampleId :

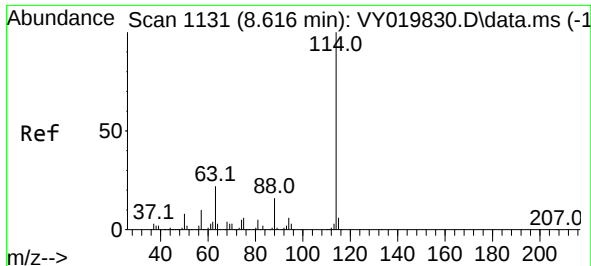
Tgt Ion: 56 Resp: 5331
Ion Ratio Lower Upper
56 100
69 134.4 28.7 43.1#
84 95.4 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 57.726 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020268.D
Acq: 12 Nov 2024 15:25

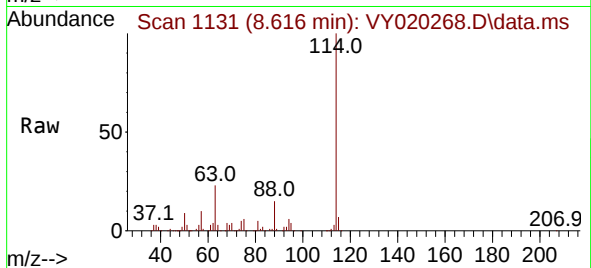
Tgt Ion: 65 Resp: 127926
Ion Ratio Lower Upper
65 100
67 52.1 0.0 109.6



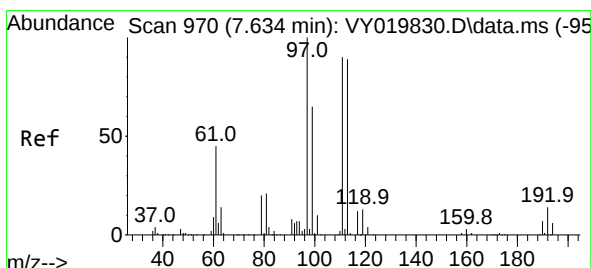
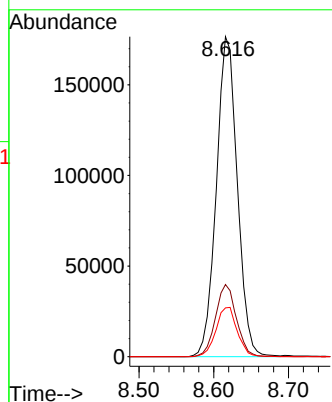
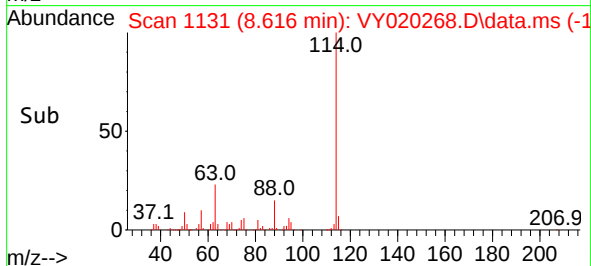


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020268.D
Acq: 12 Nov 2024 15:25

Instrument :
MSVOA_Y
ClientSampleId :

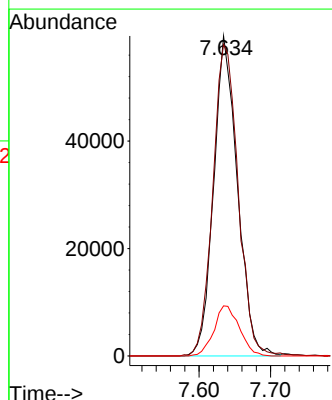
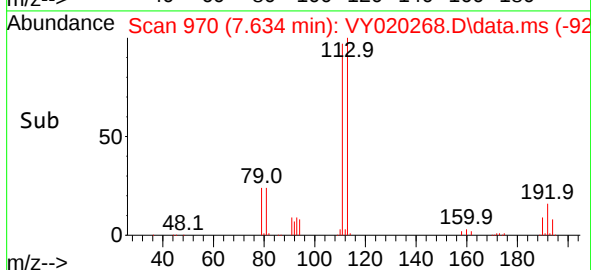
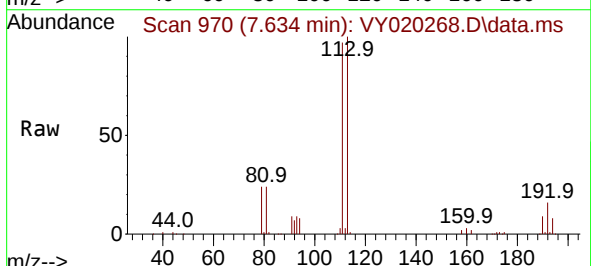


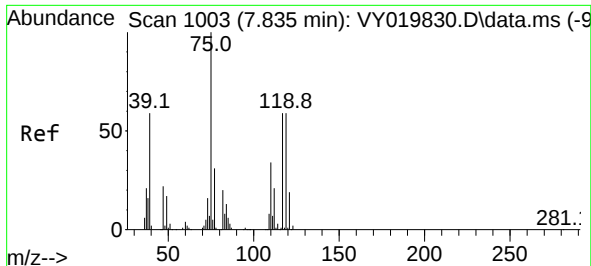
Tgt Ion:114 Resp: 344292
Ion Ratio Lower Upper
114 100
63 22.5 0.0 35.0
88 15.3 0.0 27.2



#35
Dibromofluoromethane
Concen: 62.783 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020268.D
Acq: 12 Nov 2024 15:25

Tgt Ion:113 Resp: 137432
Ion Ratio Lower Upper
113 100
111 104.0 82.2 123.4
192 16.8 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.427 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

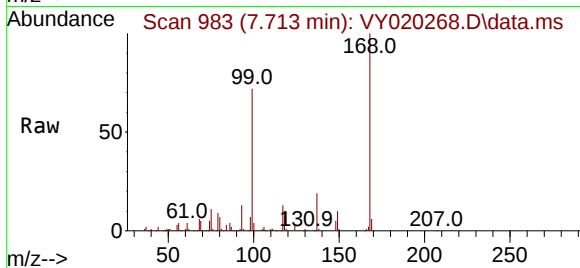
Lab File: VY020268.D

Acq: 12 Nov 2024 15:25

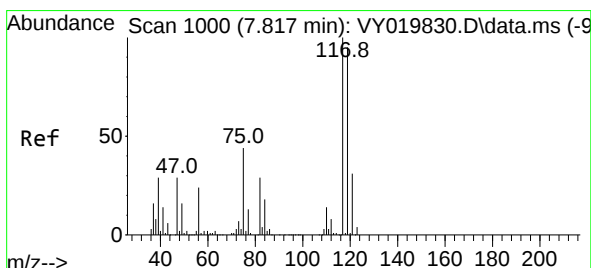
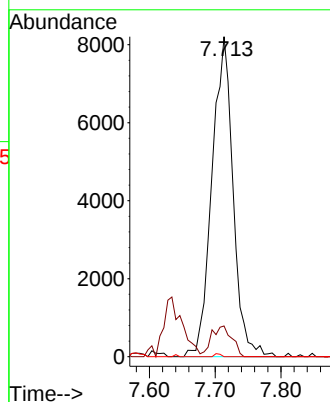
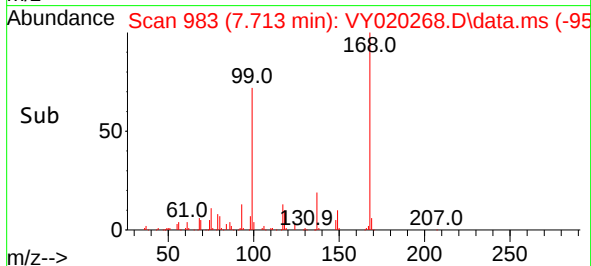
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 18350
Ion Ratio	Lower Upper
75 100	
110 9.3	19.0 57.0#
77 0.3	25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.907 ug/l

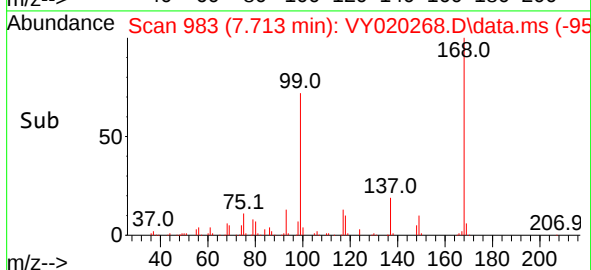
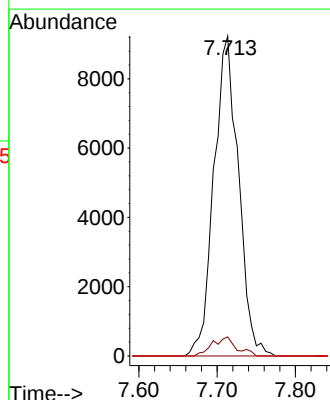
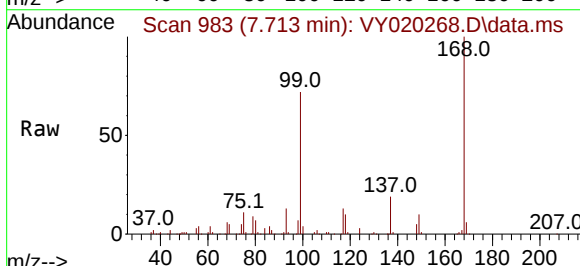
RT: 7.713 min Scan# 983

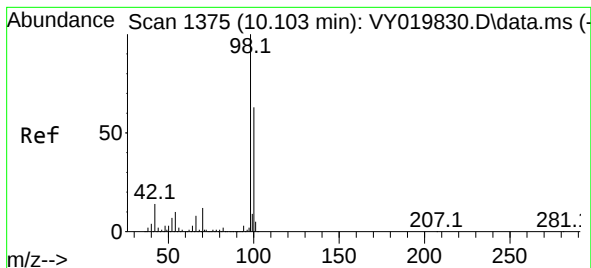
Delta R.T. -0.103 min

Lab File: VY020268.D

Acq: 12 Nov 2024 15:25

Tgt Ion: 117	Resp: 20085
Ion Ratio	Lower Upper
117 100	
119 6.0	75.8 113.6#
121 0.0	24.0 36.0#

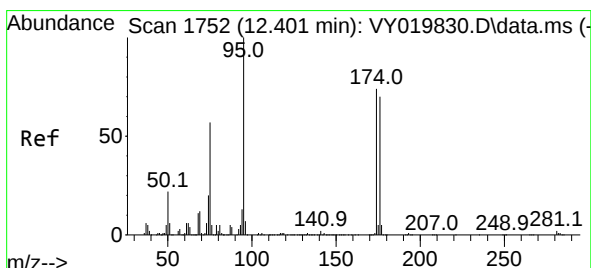
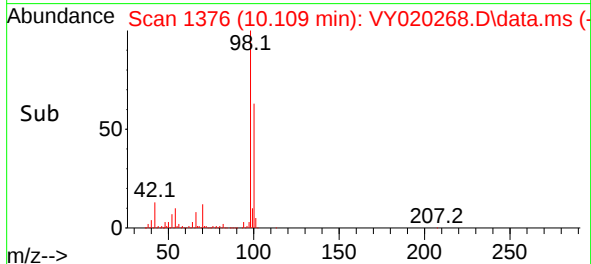
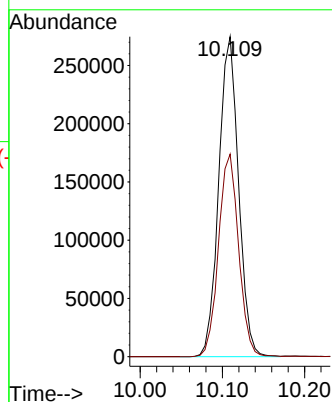
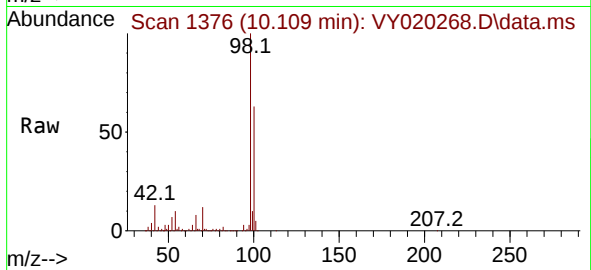




#50
Toluene-d8
Concen: 52.754 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020268.D
Acq: 12 Nov 2024 15:25

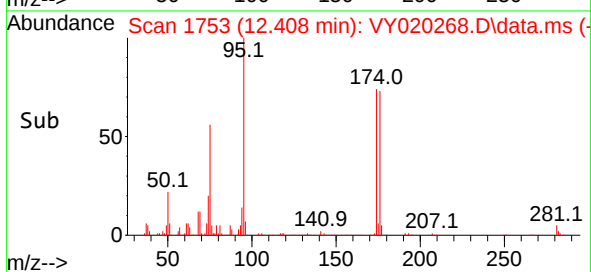
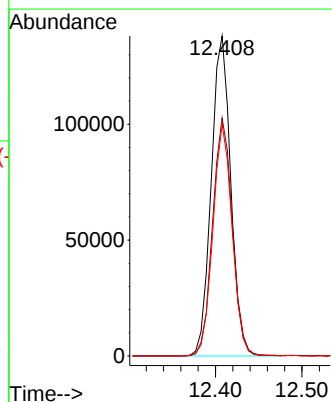
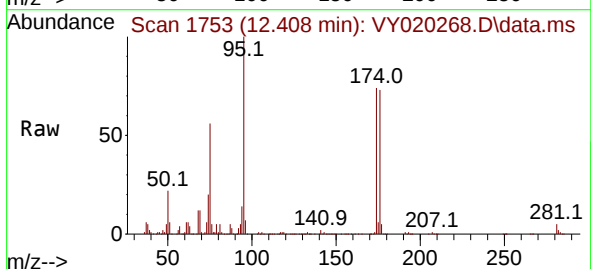
Instrument :
MSVOA_Y
ClientSampleId :

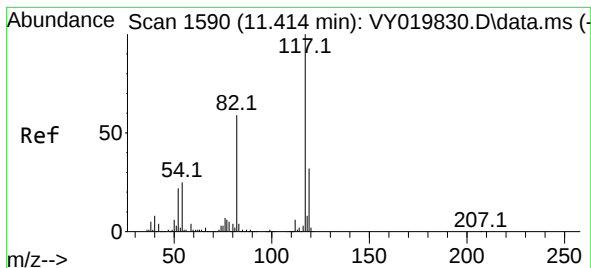
Tgt Ion: 98 Resp: 459662
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 76.358 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020268.D
Acq: 12 Nov 2024 15:25

Tgt Ion: 95 Resp: 216106
Ion Ratio Lower Upper
95 100
174 75.2 0.0 175.6
176 71.5 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.006 min

Lab File: VY020268.D

Acq: 12 Nov 2024 15:25

Instrument :

MSVOA_Y

ClientSampleId :

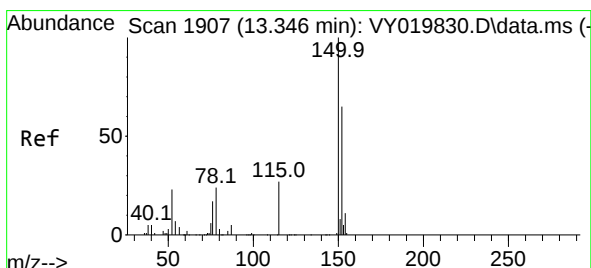
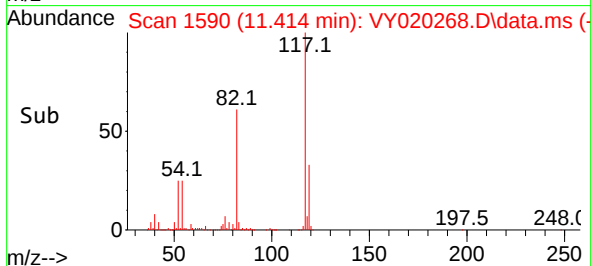
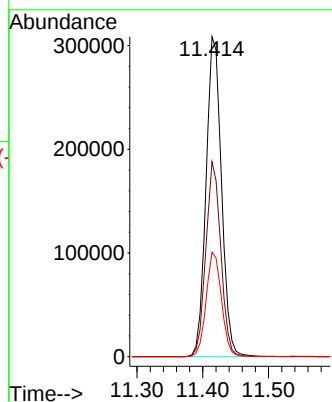
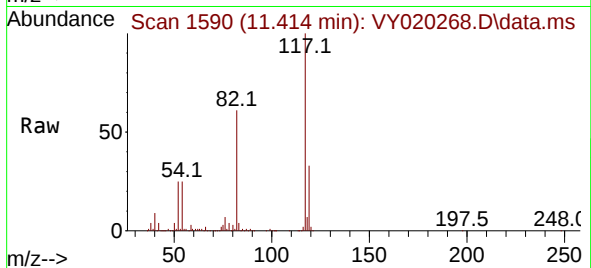
Tgt Ion:117 Resp: 504240

Ion Ratio Lower Upper

117 100

82 60.9 42.4 63.6

119 32.6 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: VY020268.D

Acq: 12 Nov 2024 15:25

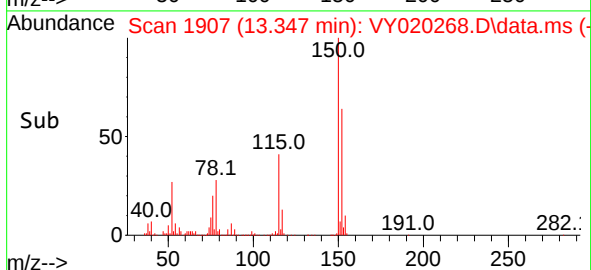
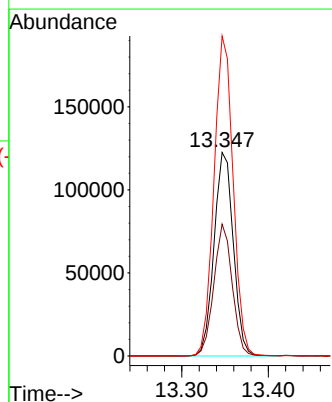
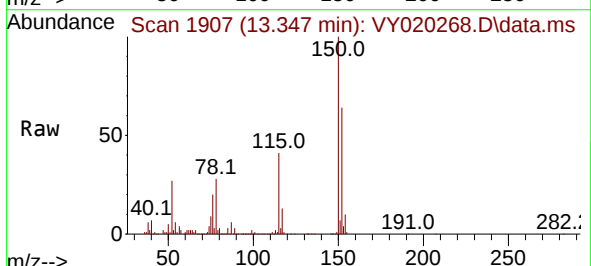
Tgt Ion:152 Resp: 189683

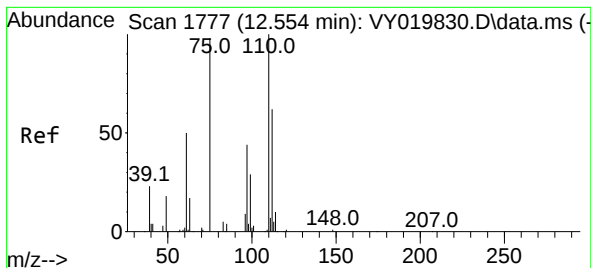
Ion Ratio Lower Upper

152 100

115 61.9 28.2 84.7

150 155.6 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 68.103 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY020268.D

Acq: 12 Nov 2024 15:25

Instrument :

MSVOA_Y

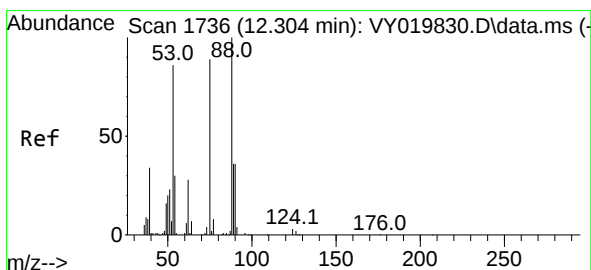
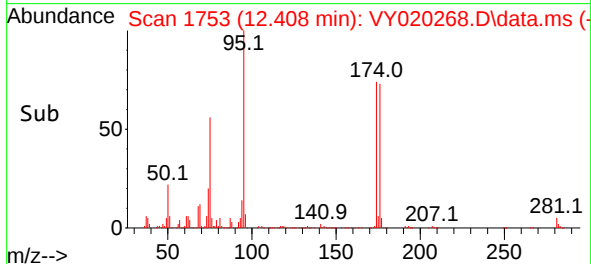
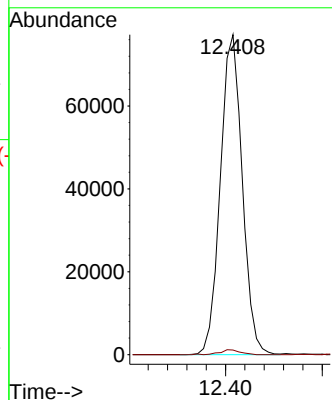
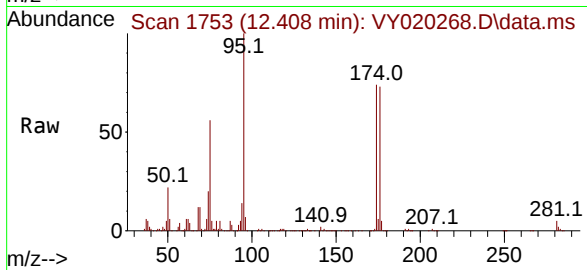
ClientSampleId :

Tgt Ion: 75 Resp: 121092

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 146.487 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY020268.D

Acq: 12 Nov 2024 15:25

Tgt Ion: 75 Resp: 121092

Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.3 35.8 53.6#

