

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091824\
 Data File : VY019599.D
 Acq On : 18 Sep 2024 12:37
 Operator : SY/MD
 Sample : P4015-05
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 19 01:24:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

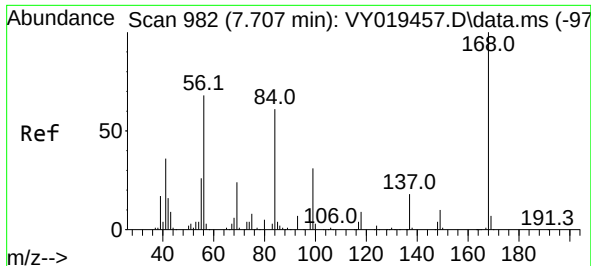
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	332661	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.610	114	623097	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	540485	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	185702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	194367	63.099	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	126.200%	
35) Dibromofluoromethane	7.634	113	198206	56.104	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	112.200%	
50) Toluene-d8	10.109	98	736211	56.341	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	112.680%	
62) 4-Bromofluorobenzene	12.408	95	225814	44.943	ug/l	0.00
Spiked Amount	50.000	Range 29 - 146	Recovery	=	89.880%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	176	Below Cal	#	43
11) Tert butyl alcohol	4.836	59	1630	6.552	ug/l	# 92
13) Acrolein	3.659	56	39	Below Cal	#	1
16) Acetone	3.866	43	1077	1.468	ug/l	88
20) Methylene Chloride	4.610	84	6834	2.042	ug/l	# 83
25) 2-Butanone	6.884	43	6721	6.439	ug/l	# 56
26) 2,2-Dichloropropane	6.884	77	7591	1.380	ug/l	# 51
31) Cyclohexane	7.701	56	8392	1.522	ug/l	# 30
36) 1,1-Dichloropropene	7.701	75	28946	6.021	ug/l	# 48
38) Carbon Tetrachloride	7.707	117	36280	6.693	ug/l	# 16
49) 1,4-Dioxane	9.268	88	59	2.532	ug/l	# 20
76) 1,2,3-Trichloropropane	12.408	75	122516	70.389	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.408	75	122516	135.126	ug/l	# 16

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

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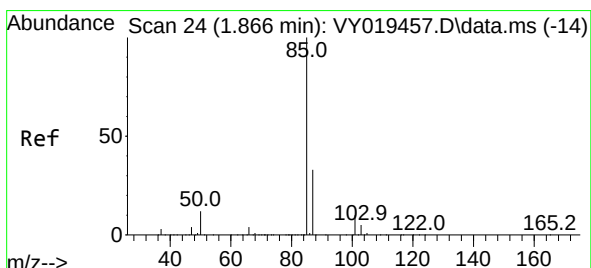
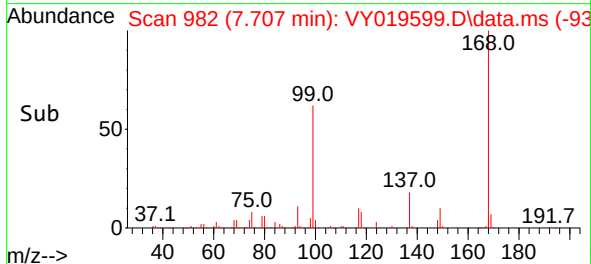
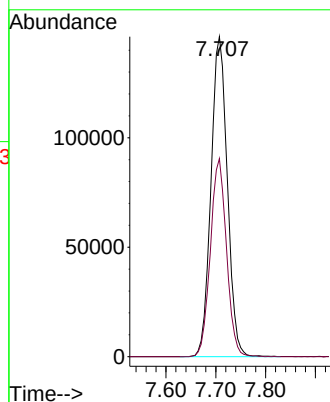
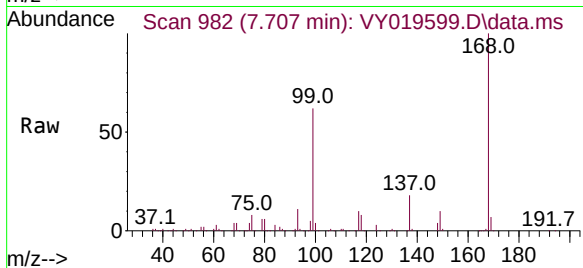




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019599.D
Acq: 18 Sep 2024 12:37

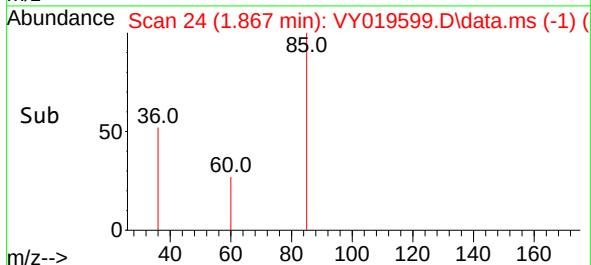
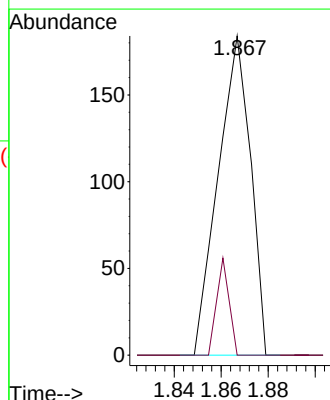
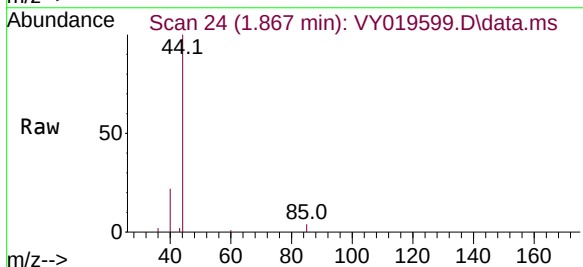
Instrument :
MSVOA_Y
ClientSampleId :

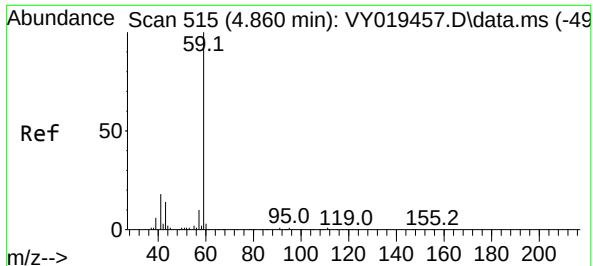
Tgt Ion:168 Resp: 332661
Ion Ratio Lower Upper
168 100
99 61.9 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY019599.D
Acq: 18 Sep 2024 12:37

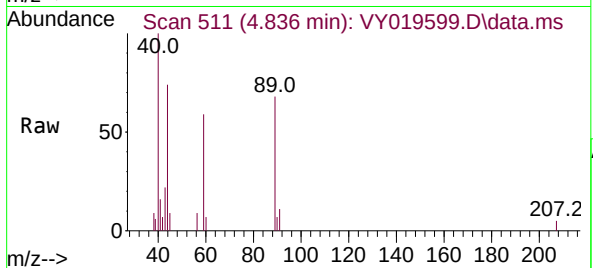
Tgt Ion: 85 Resp: 176
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#



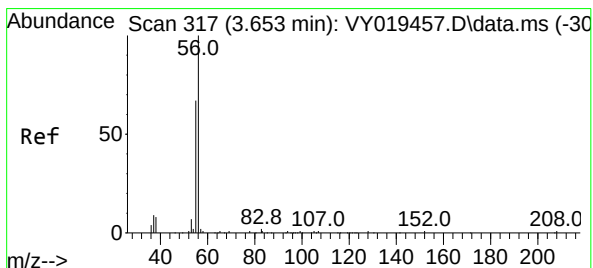
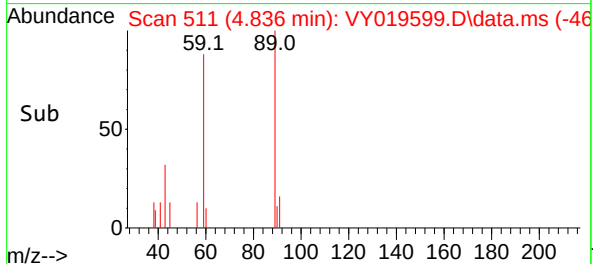
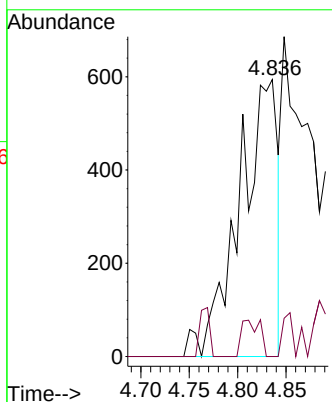


#11
Tert butyl alcohol
Concen: 6.552 ug/l
RT: 4.836 min Scan# 51
Delta R.T. -0.024 min
Lab File: VY019599.D
Acq: 18 Sep 2024 12:37

Instrument :
MSVOA_Y
ClientSampleId :

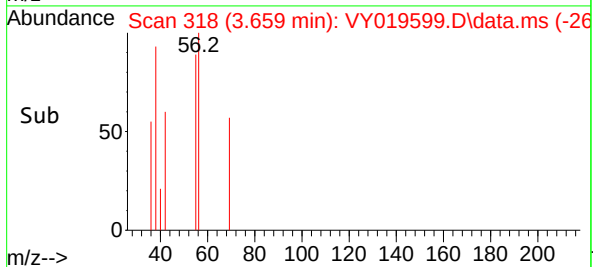
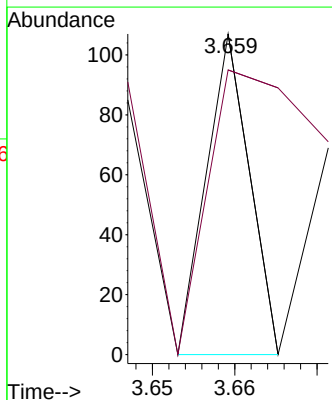
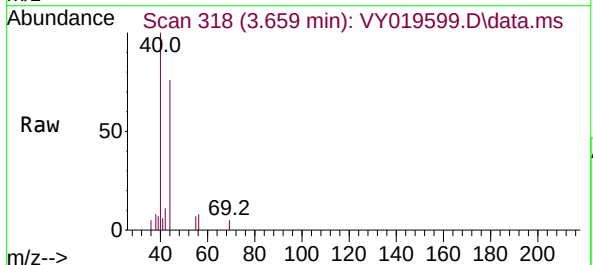


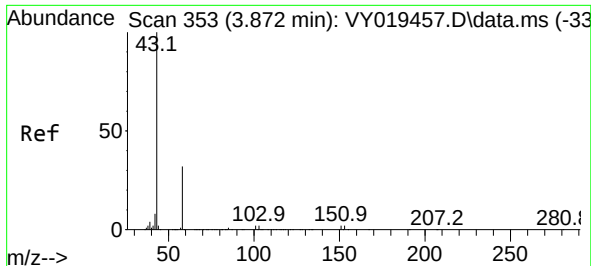
Tgt Ion: 59 Resp: 1630
Ion Ratio Lower Upper
59 100
57 6.4 3.0 4.6#



#13
Acrolein
Concen: Below Cal
RT: 3.659 min Scan# 318
Delta R.T. 0.006 min
Lab File: VY019599.D
Acq: 18 Sep 2024 12:37

Tgt Ion: 56 Resp: 39
Ion Ratio Lower Upper
56 100
55 317.9 55.7 83.5#

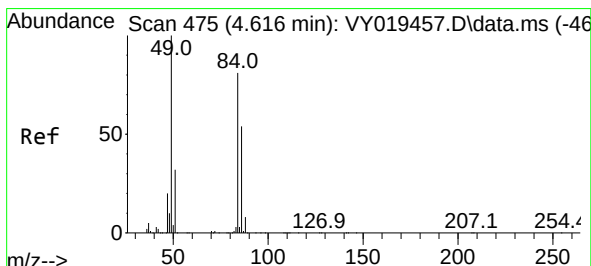
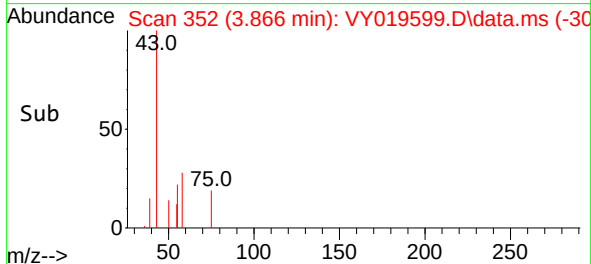
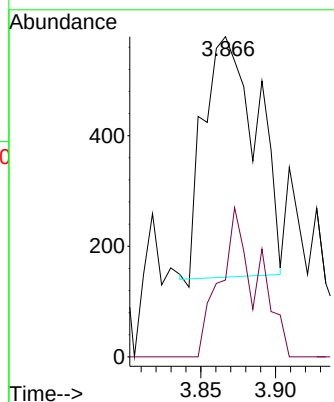
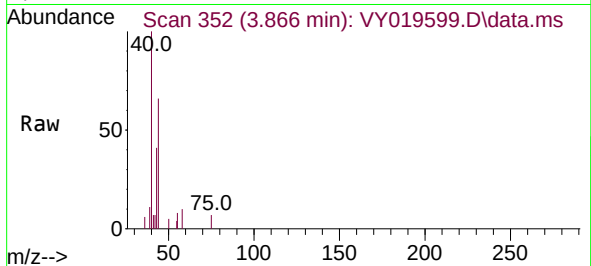




#16
Acetone
Concen: 1.468 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY019599.D
Acq: 18 Sep 2024 12:37

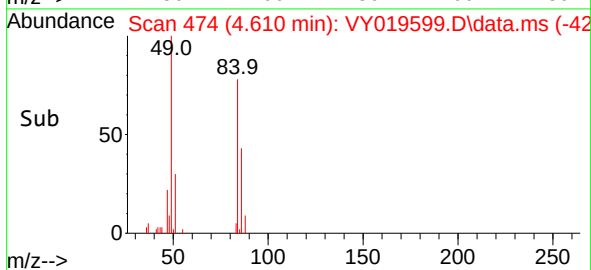
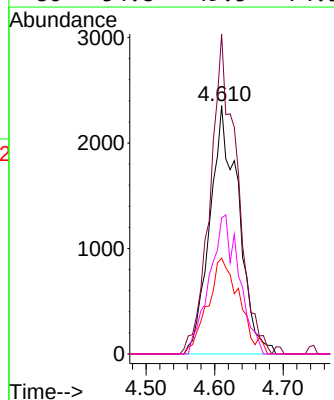
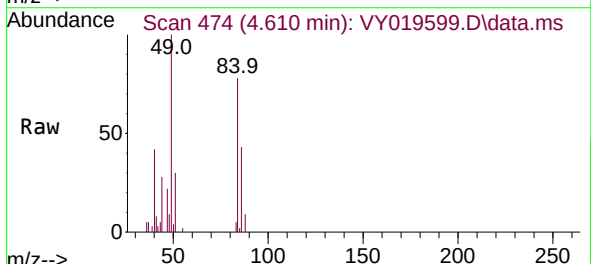
Instrument :
MSVOA_Y
ClientSampleId :

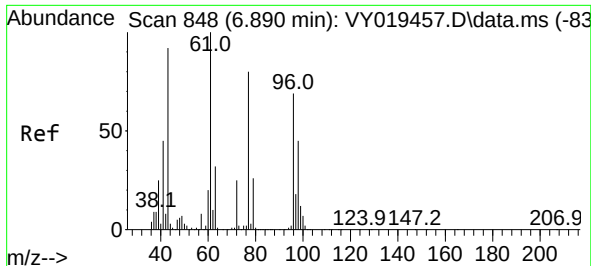
Tgt Ion: 43 Resp: 1077
Ion Ratio Lower Upper
43 100
58 32.3 31.7 47.5



#20
Methylene Chloride
Concen: 2.042 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY019599.D
Acq: 18 Sep 2024 12:37

Tgt Ion: 84 Resp: 6834
Ion Ratio Lower Upper
84 100
49 128.8 84.4 126.6#
51 38.6 26.0 39.0
86 54.8 49.5 74.3





#25

2-Butanone

Concen: 6.439 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY019599.D

Acq: 18 Sep 2024 12:37

Instrument :

MSVOA_Y

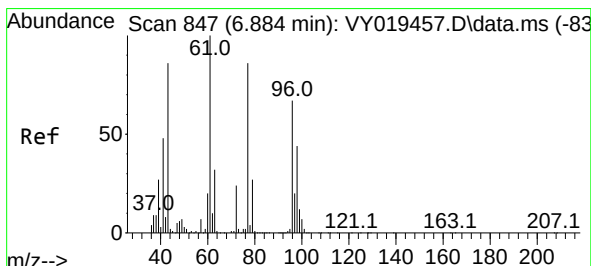
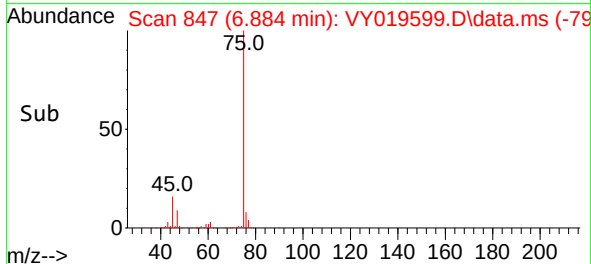
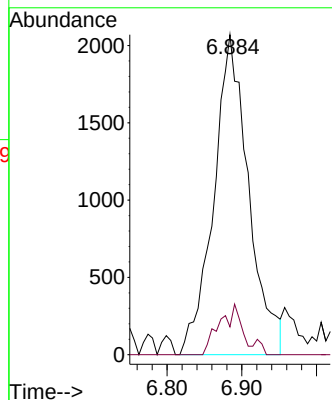
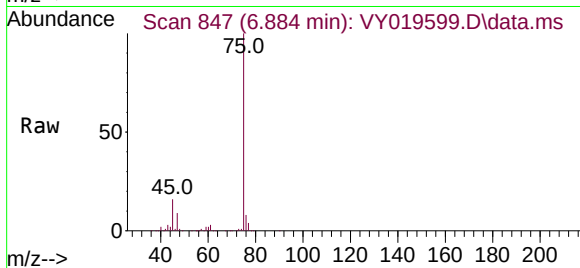
ClientSampleId :

Tgt Ion: 43 Resp: 6721

Ion Ratio Lower Upper

43 100

72 8.7 27.3 40.9#



#26

2,2-Dichloropropane

Concen: 1.380 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY019599.D

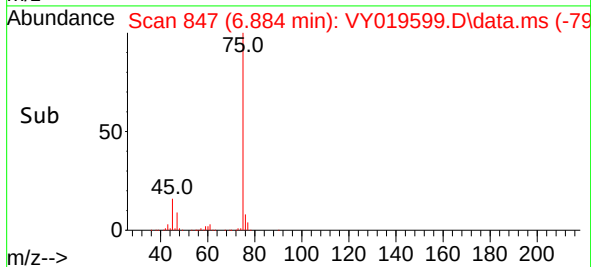
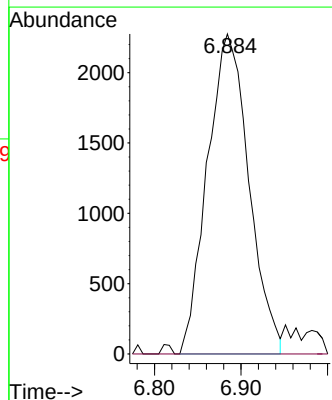
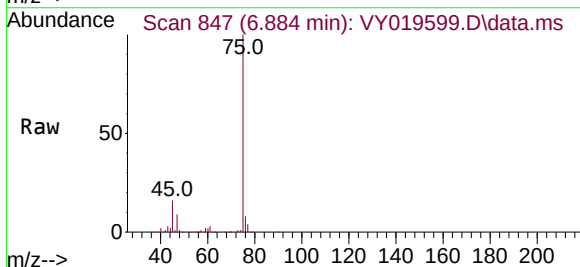
Acq: 18 Sep 2024 12:37

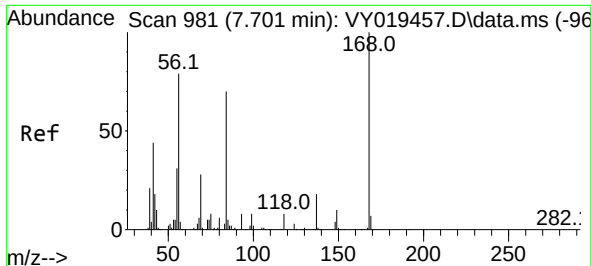
Tgt Ion: 77 Resp: 7591

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.1#

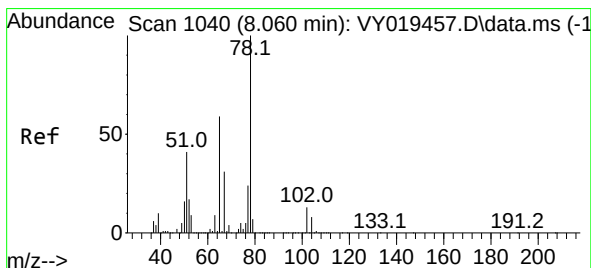
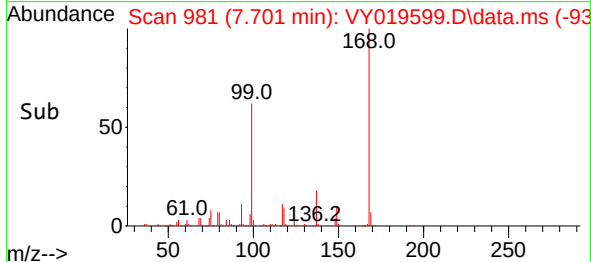
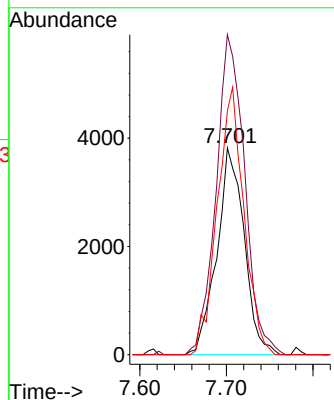
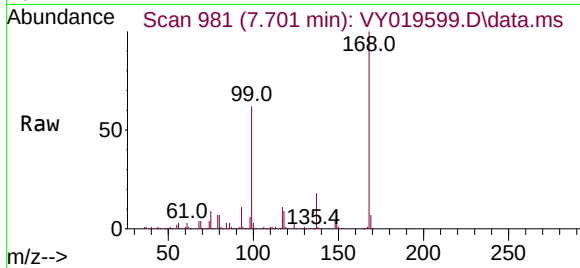




#31
Cyclohexane
Concen: 1.522 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019599.D
Acq: 18 Sep 2024 12:37

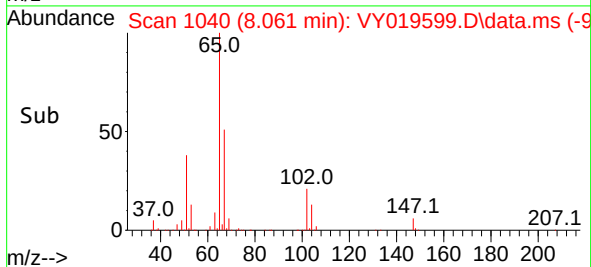
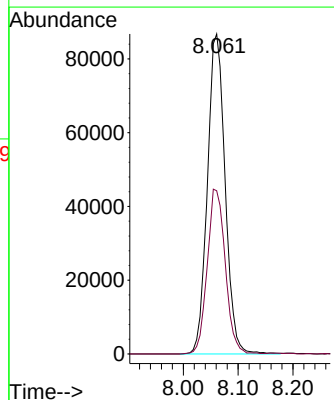
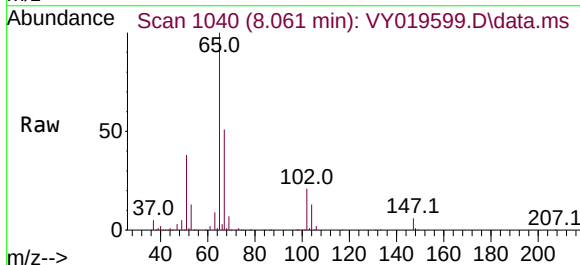
Instrument :
MSVOA_Y
ClientSampleId :

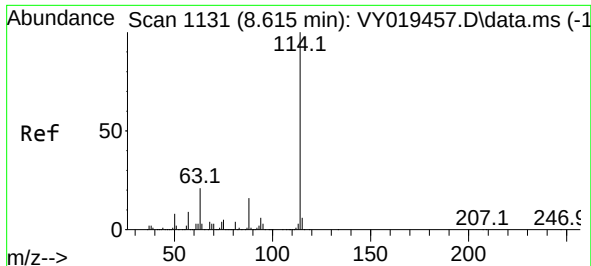
Tgt Ion: 56 Resp: 8392
Ion Ratio Lower Upper
56 100
69 154.8 28.7 43.1#
84 118.0 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 63.099 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019599.D
Acq: 18 Sep 2024 12:37

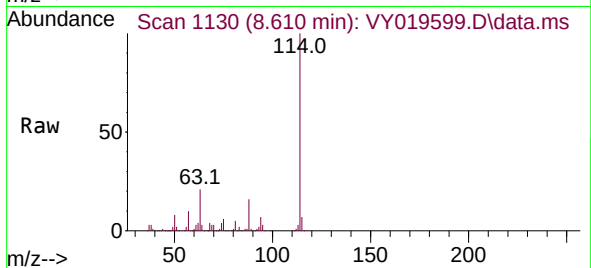
Tgt Ion: 65 Resp: 194367
Ion Ratio Lower Upper
65 100
67 52.4 0.0 109.6



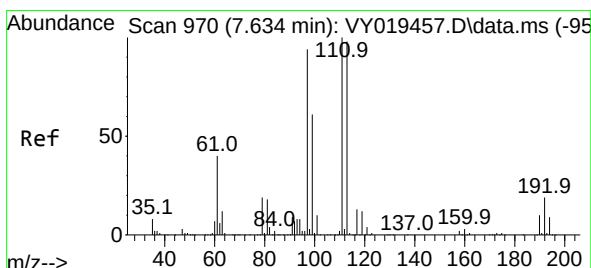
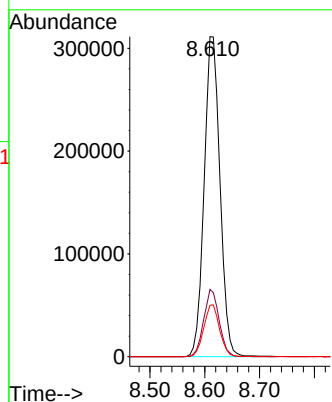
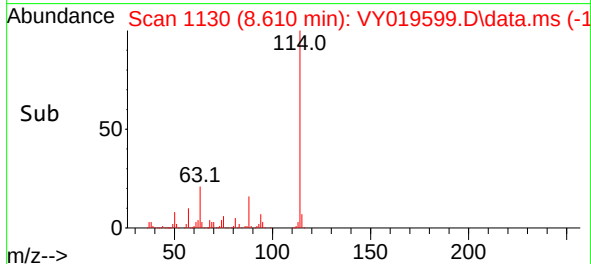


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY019599.D
Acq: 18 Sep 2024 12:37

Instrument :
MSVOA_Y
ClientSampleId :

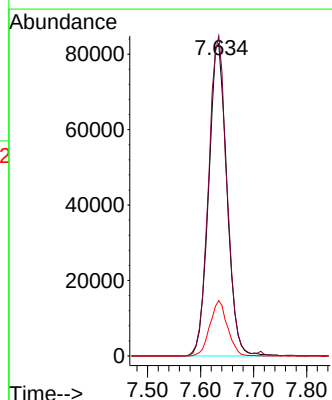
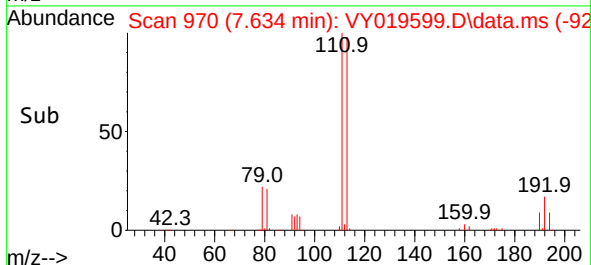
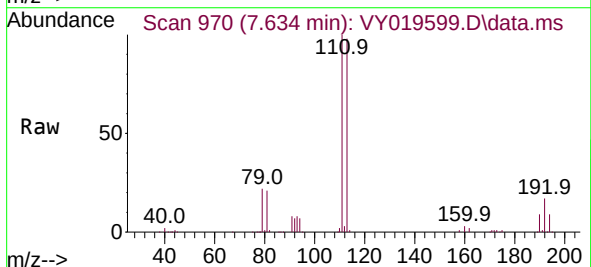


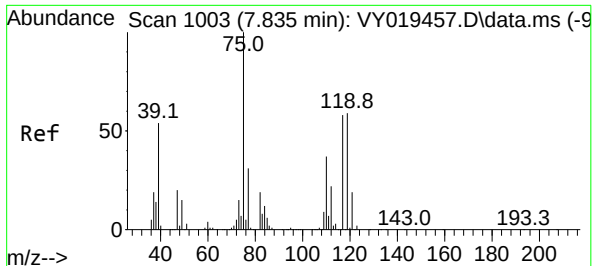
Tgt Ion:114 Resp: 623097
Ion Ratio Lower Upper
114 100
63 21.0 0.0 35.0
88 16.1 0.0 27.2



#35
Dibromofluoromethane
Concen: 56.104 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY019599.D
Acq: 18 Sep 2024 12:37

Tgt Ion:113 Resp: 198206
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.4
192 17.1 15.9 23.9





#36

1,1-Dichloropropene

Concen: 6.021 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY019599.D

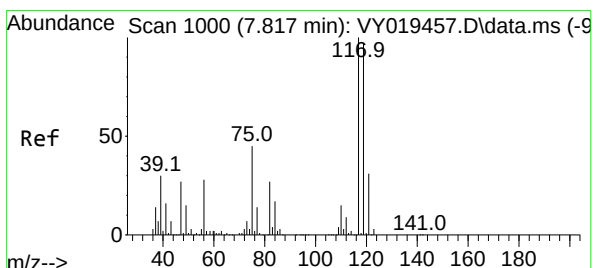
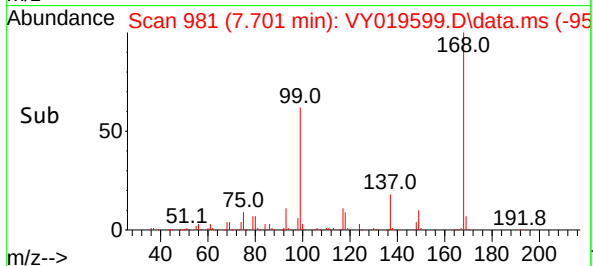
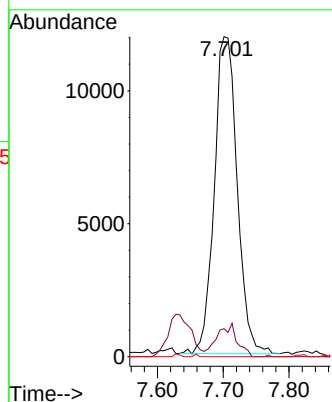
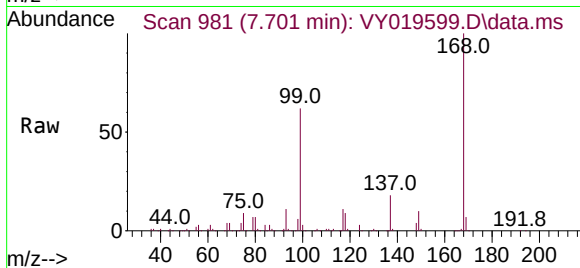
Acq: 18 Sep 2024 12:37

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	28946
Ion	Ratio	Lower	Upper
75	100		
110	9.1	19.0	57.0#
77	0.0	25.3	37.9#



#38

Carbon Tetrachloride

Concen: 6.693 ug/l

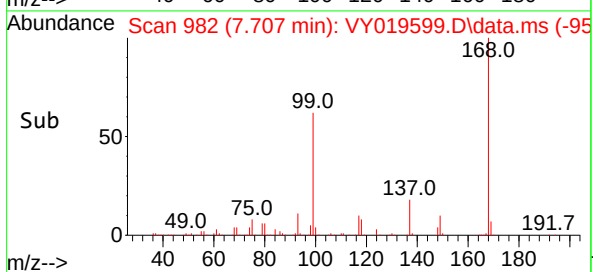
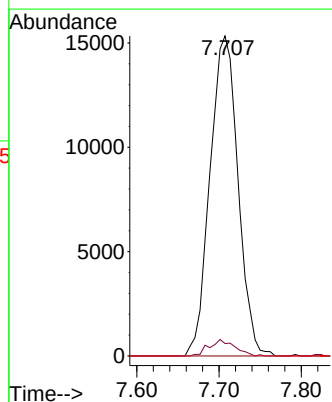
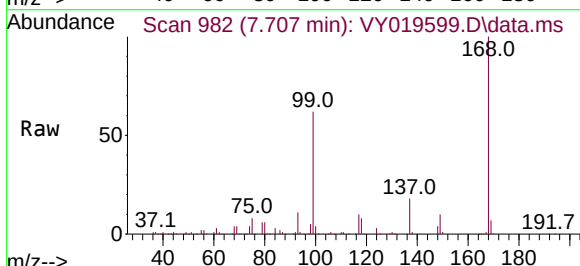
RT: 7.707 min Scan# 982

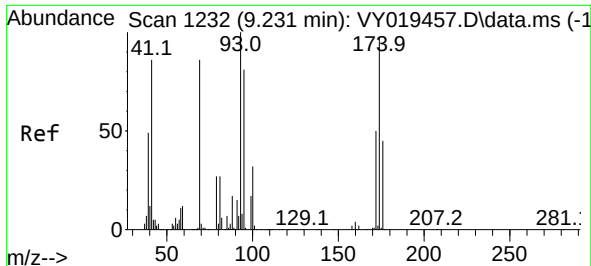
Delta R.T. -0.109 min

Lab File: VY019599.D

Acq: 18 Sep 2024 12:37

Tgt Ion:	117	Resp:	36280
Ion	Ratio	Lower	Upper
117	100		
119	3.9	75.8	113.6#
121	0.0	24.0	36.0#





#49

1,4-Dioxane

Concen: 2.532 ug/l

RT: 9.268 min Scan# 1

Delta R.T. 0.037 min

Lab File: VY019599.D

Acq: 18 Sep 2024 12:37

Instrument :

MSVOA_Y

ClientSampleId :

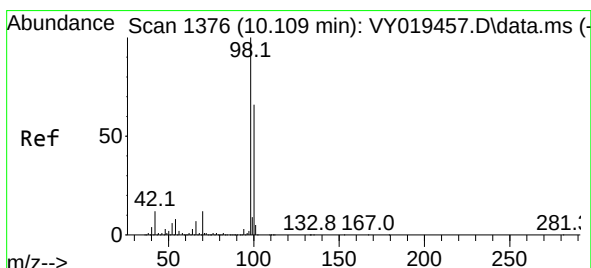
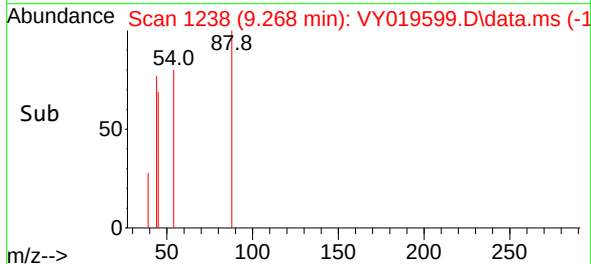
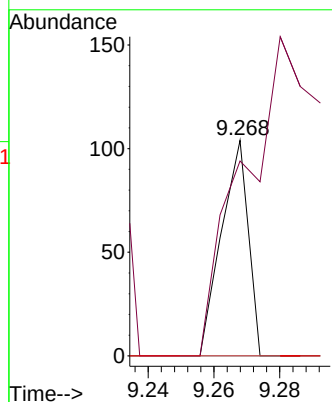
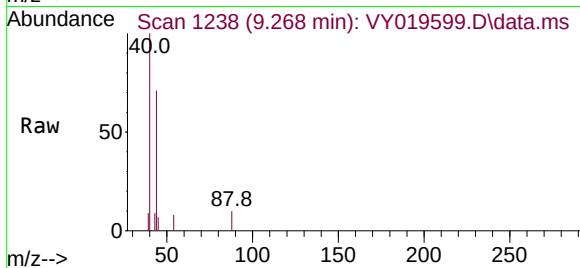
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 403.4 0.0 0.0#

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 56.341 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY019599.D

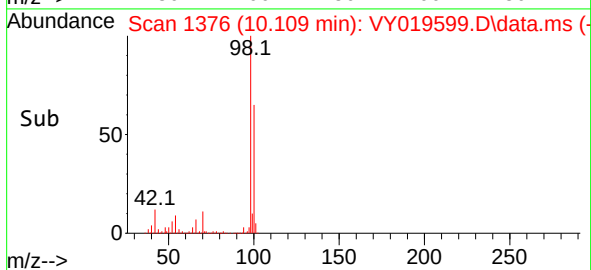
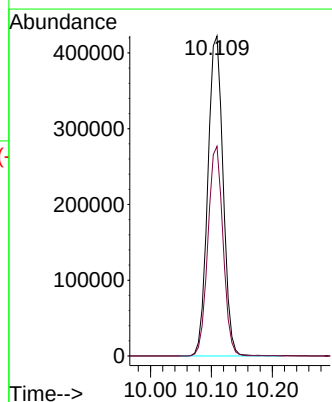
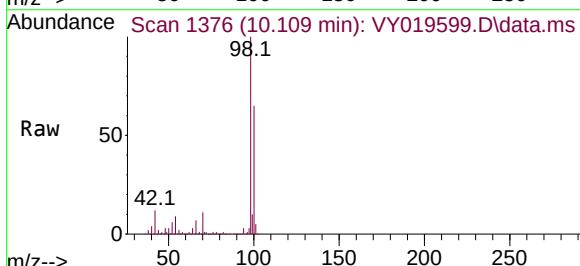
Acq: 18 Sep 2024 12:37

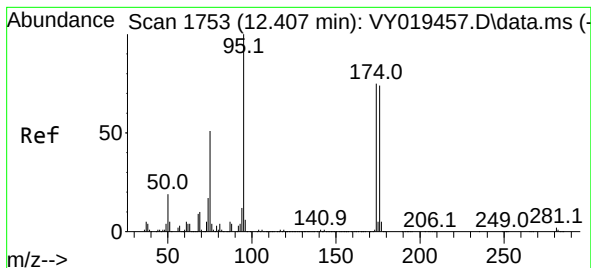
Tgt Ion: 98 Resp: 736211

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0

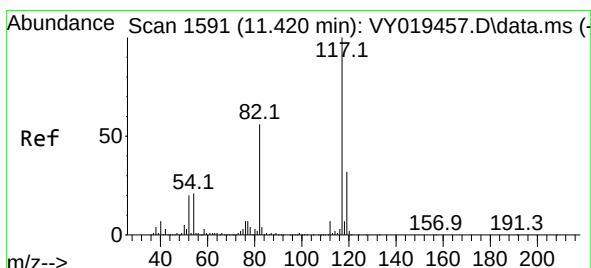
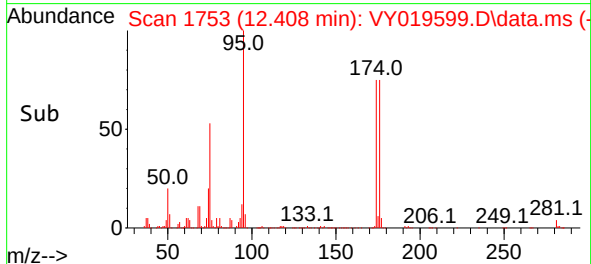
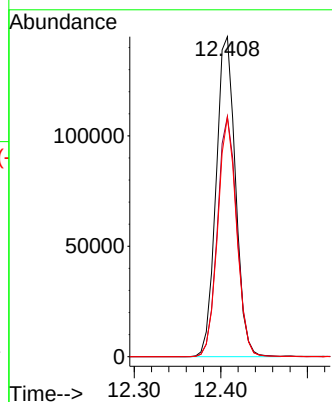
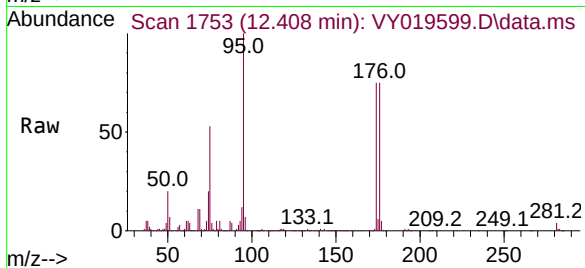




#62
4-Bromofluorobenzene
Concen: 44.943 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019599.D
Acq: 18 Sep 2024 12:37

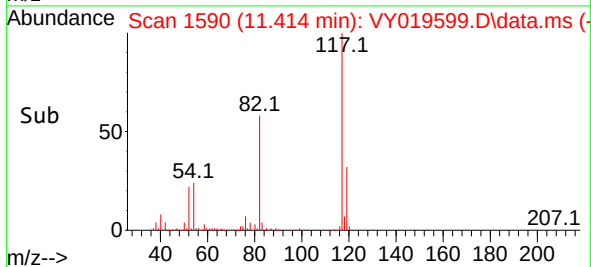
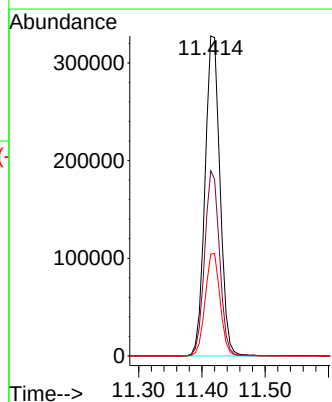
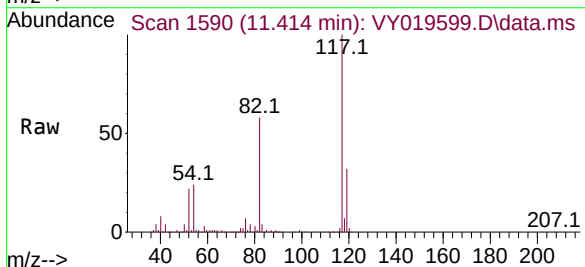
Instrument :
MSVOA_Y
ClientSampleId :

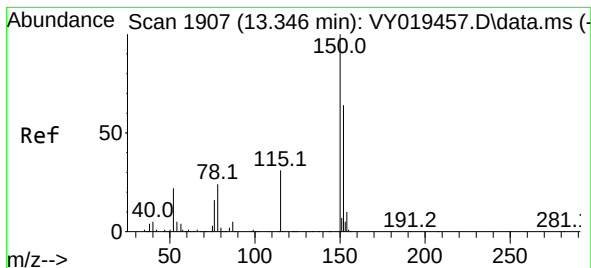
Tgt Ion: 95 Resp: 225814
Ion Ratio Lower Upper
95 100
174 74.8 0.0 175.6
176 72.6 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019599.D
Acq: 18 Sep 2024 12:37

Tgt Ion: 117 Resp: 540485
Ion Ratio Lower Upper
117 100
82 57.9 42.4 63.6
119 31.9 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019599.D

Acq: 18 Sep 2024 12:37

Instrument :

MSVOA_Y

ClientSampleId :

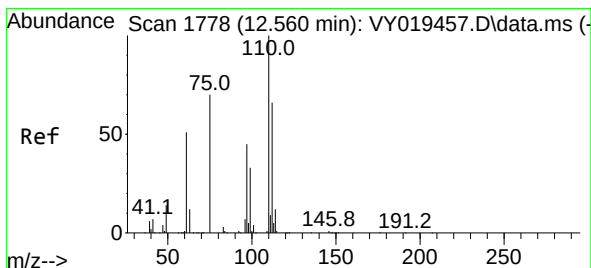
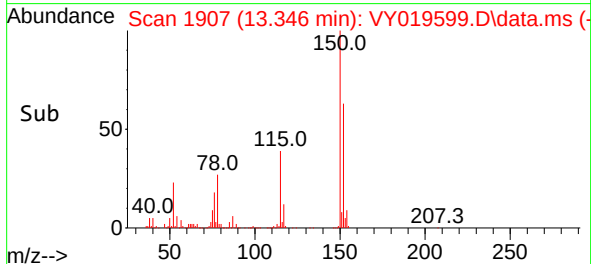
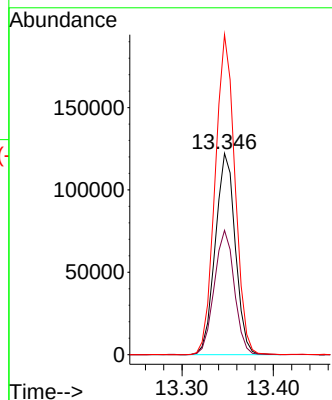
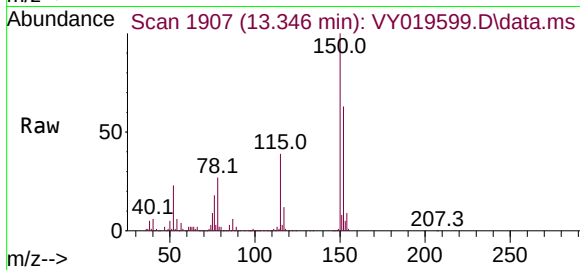
Tgt Ion:152 Resp: 185702

Ion Ratio Lower Upper

152 100

115 62.0 28.2 84.7

150 157.4 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 70.389 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019599.D

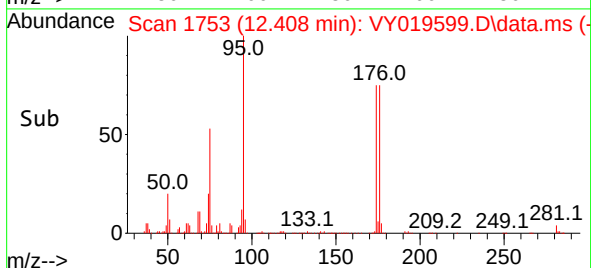
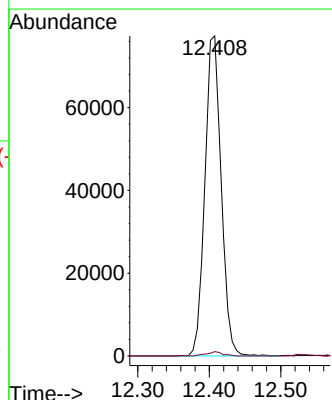
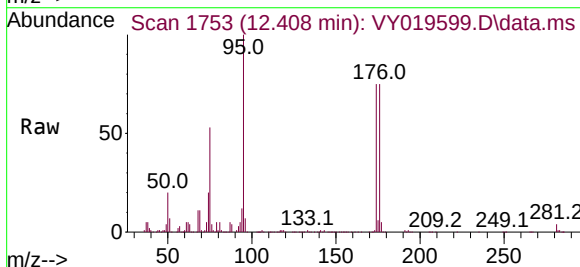
Acq: 18 Sep 2024 12:37

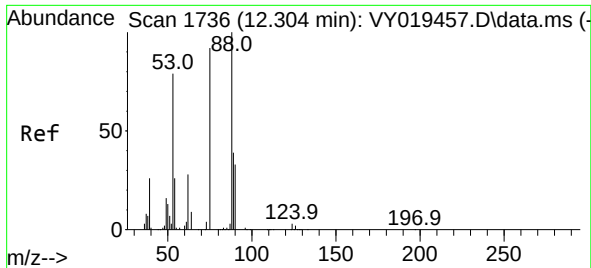
Tgt Ion: 75 Resp: 122516

Ion Ratio Lower Upper

75 100

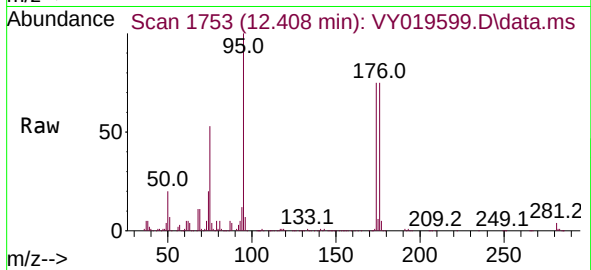
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.126 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY019599.D
 Acq: 18 Sep 2024 12:37

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 122516
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.1 35.8 53.6#

