

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052424\
 Data File : VY018372.D
 Acq On : 24 May 2024 18:16
 Operator : SY/MD
 Sample : P2615-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 25 03:27:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052224S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 23 01:40:36 2024
 Response via : Initial Calibration

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

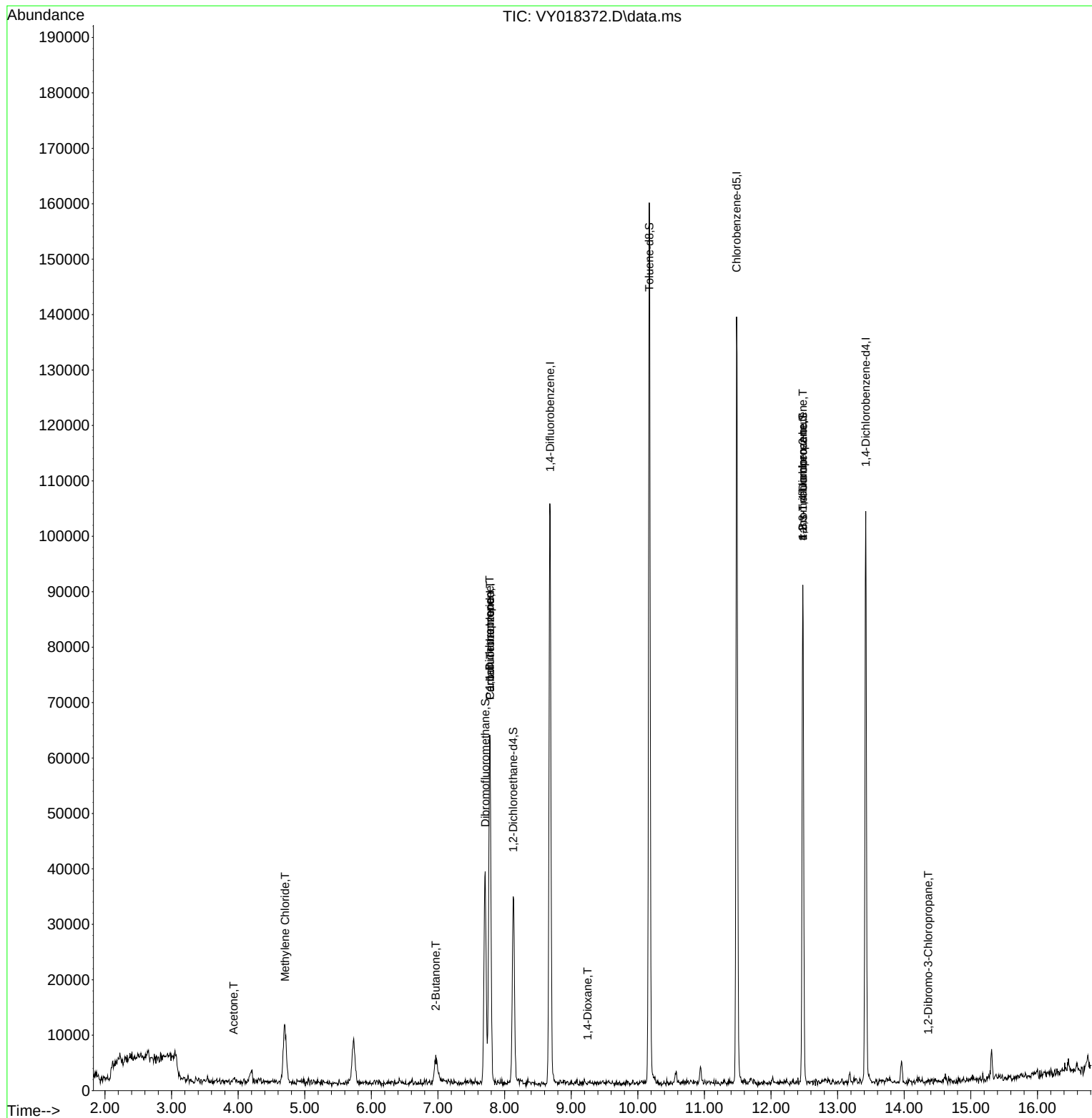
Internal Standards						
1) Pentafluorobenzene	7.783	168	45944	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	90634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	72872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	24572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	25727	59.104	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.200%
35) Dibromofluoromethane	7.710	113	26785	50.678	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.360%
50) Toluene-d8	10.173	98	100860	48.946	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.900%
62) 4-Bromofluorobenzene	12.477	95	27540	43.253	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.500%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	403	Below Cal	#	88
13) Acrolein	3.784	56	70	Below Cal		85
16) Acetone	3.930	43	1083	12.097	ug/l #	70
20) Methylene Chloride	4.704	84	7978	11.776	ug/l #	94
25) 2-Butanone	6.966	43	621	4.377	ug/l #	41
31) Cyclohexane	7.783	56	1401	Below Cal	#	65
36) 1,1-Dichloropropene	7.777	75	3909	5.100	ug/l #	49
38) Carbon Tetrachloride	7.783	117	5082	6.473	ug/l #	21
49) 1,4-Dioxane	9.246	88	21	5.249	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	14667	66.412	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	14667	136.643	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.361	75	78	1.728	ug/l #	1

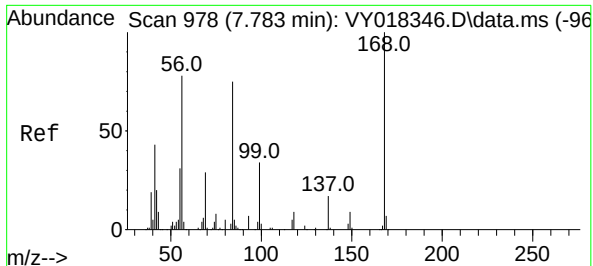
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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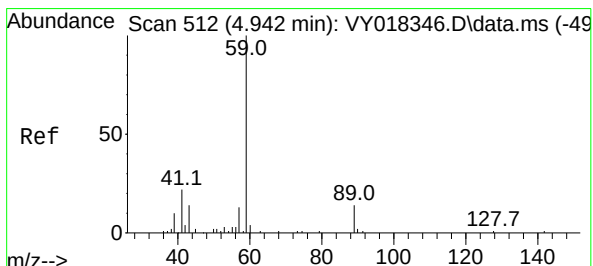
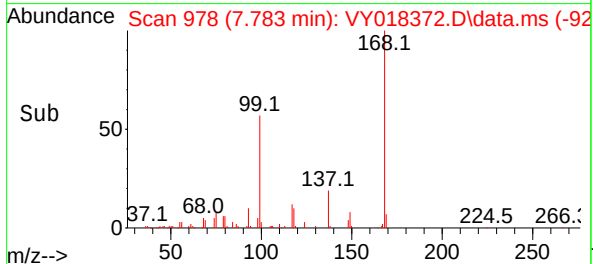
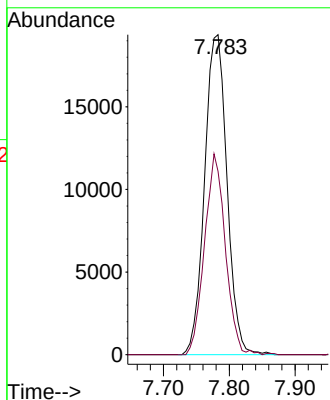
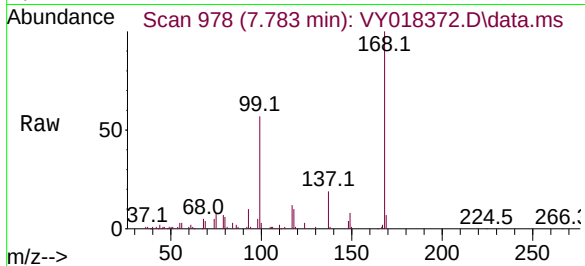




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018372.D
Acq: 24 May 2024 18:16

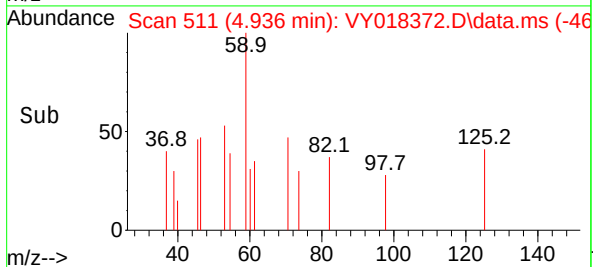
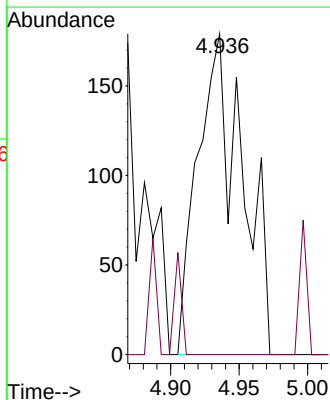
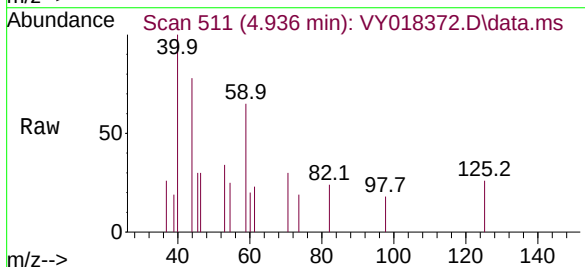
Instrument :
MSVOA_Y
ClientSampleId :

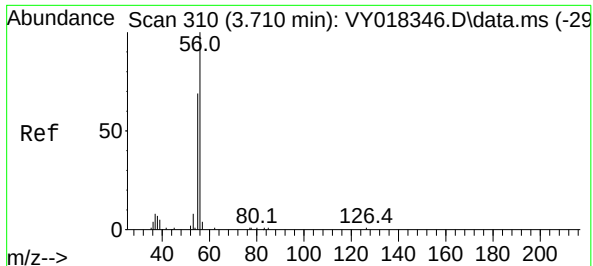
Tgt Ion:168 Resp: 45944
Ion Ratio Lower Upper
168 100
99 57.3 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY018372.D
Acq: 24 May 2024 18:16

Tgt Ion: 59 Resp: 403
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

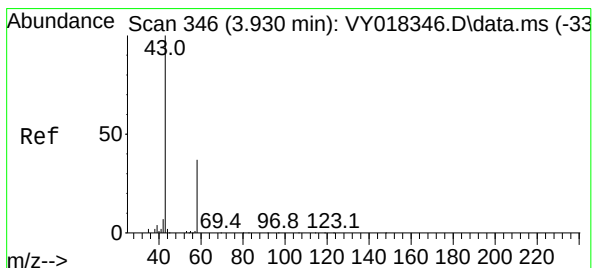
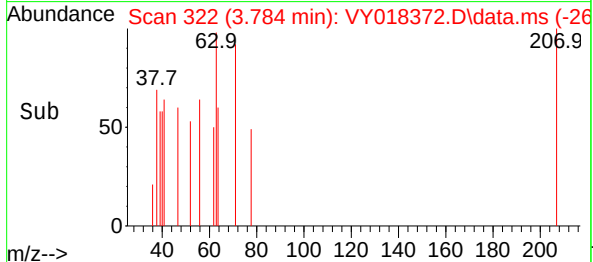
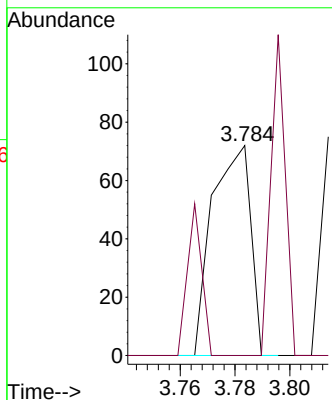
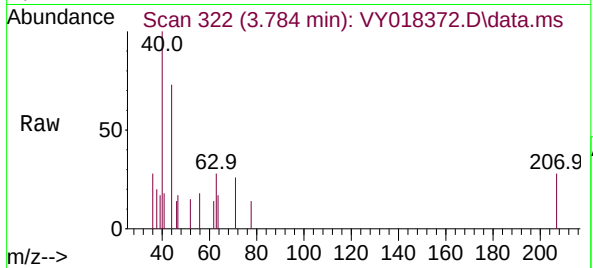




#13
Acrolein
Concen: Below Cal
RT: 3.784 min Scan# 310
Delta R.T. 0.074 min
Lab File: VY018372.D
Acq: 24 May 2024 18:16

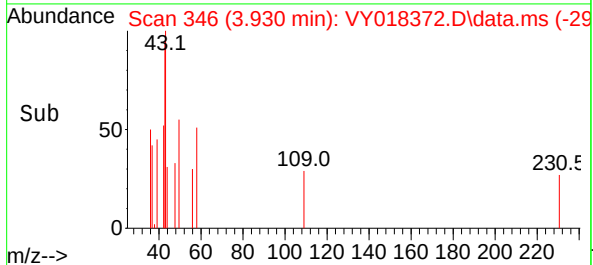
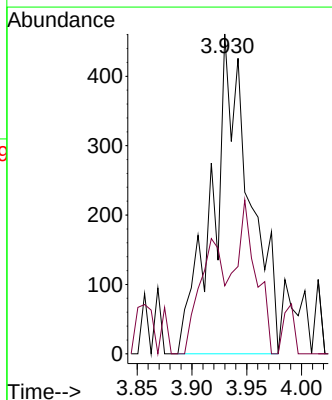
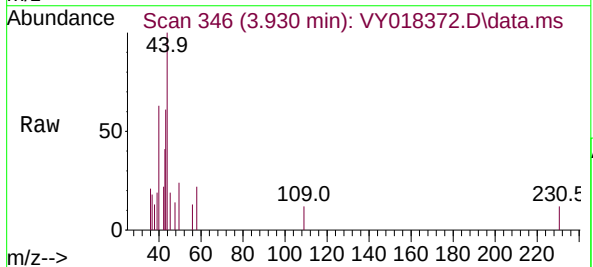
Instrument :
MSVOA_Y
ClientSampleId :

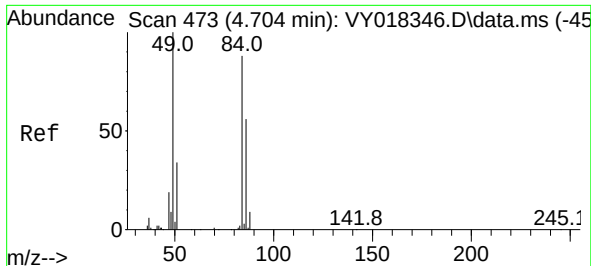
Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 57.1 55.7 83.5



#16
Acetone
Concen: 12.097 ug/l
RT: 3.930 min Scan# 346
Delta R.T. 0.000 min
Lab File: VY018372.D
Acq: 24 May 2024 18:16

Tgt Ion: 43 Resp: 1083
Ion Ratio Lower Upper
43 100
58 21.3 31.7 47.5#

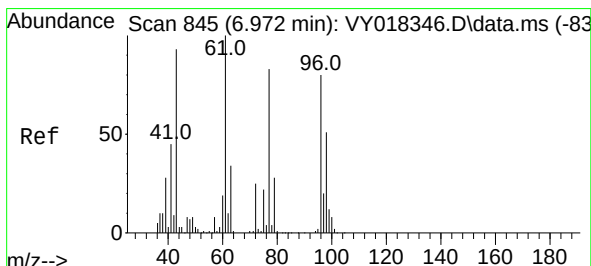
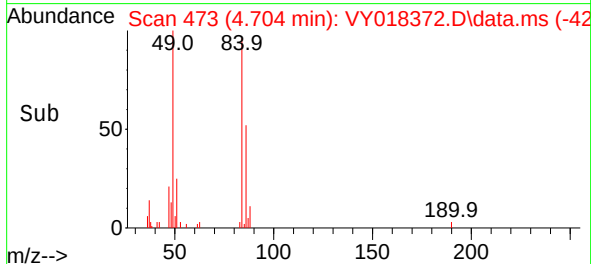
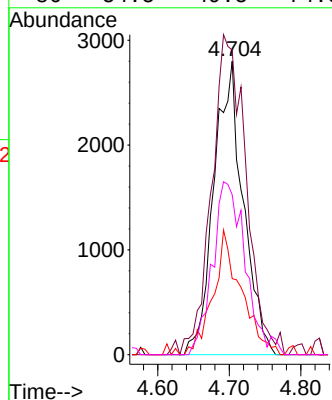
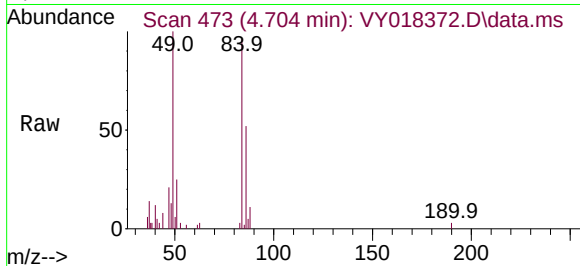




#20
Methylene Chloride
Concen: 11.776 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY018372.D
Acq: 24 May 2024 18:16

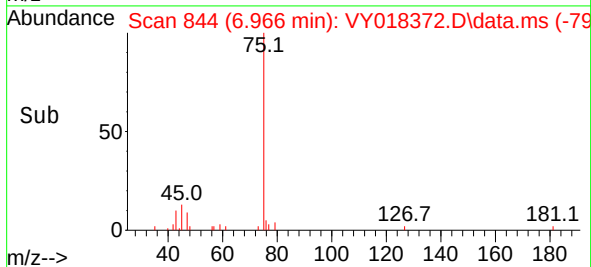
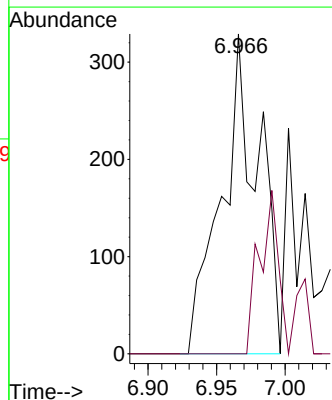
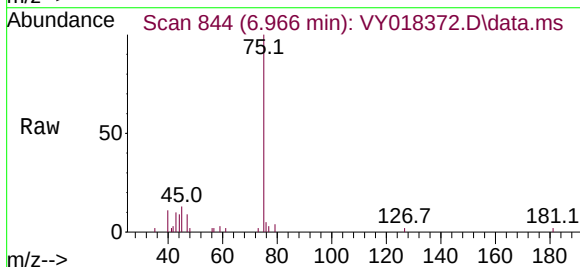
Instrument :
MSVOA_Y
ClientSampleId :

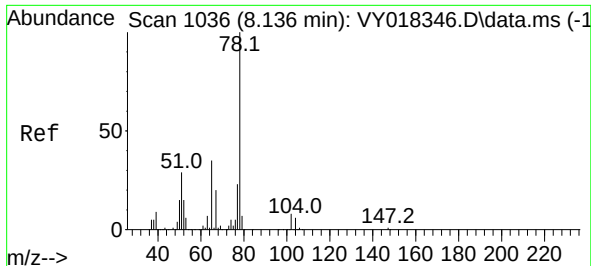
Tgt Ion: 84	Resp: 7978
Ion Ratio	Lower Upper
84 100	
49 103.7	84.4 126.6
51 25.9	26.0 39.0#
86 54.5	49.5 74.3



#25
2-Butanone
Concen: 4.377 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.006 min
Lab File: VY018372.D
Acq: 24 May 2024 18:16

Tgt Ion: 43	Resp: 621		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	27.3	40.9#	





#33

1,2-Dichloroethane-d4

Concen: 59.104 ug/l

RT: 8.130 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY018372.D

Acq: 24 May 2024 18:16

Instrument :

MSVOA_Y

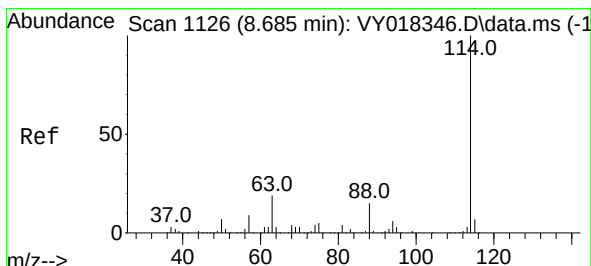
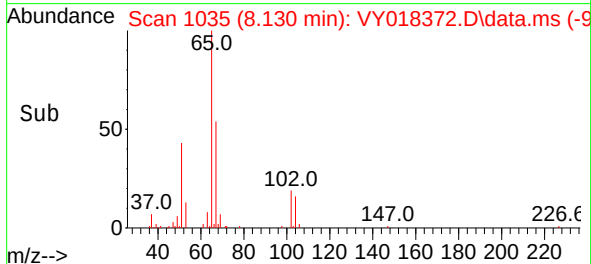
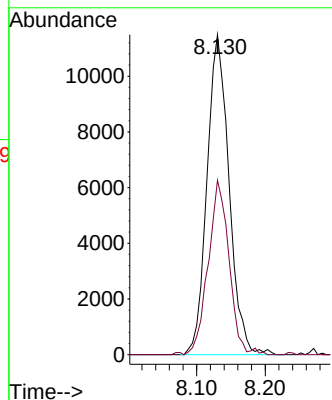
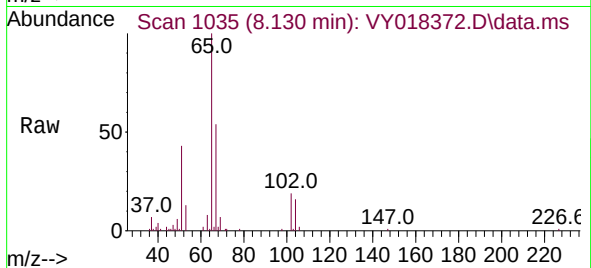
ClientSampleId :

Tgt Ion: 65 Resp: 25727

Ion Ratio Lower Upper

65 100

67 51.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY018372.D

Acq: 24 May 2024 18:16

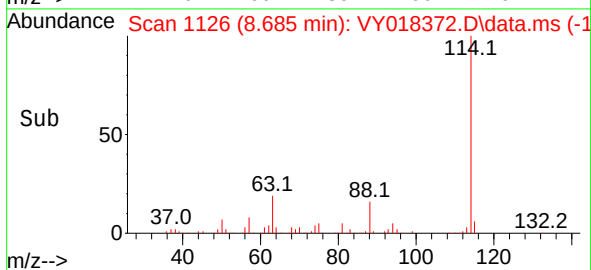
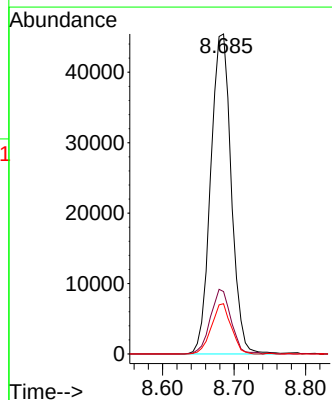
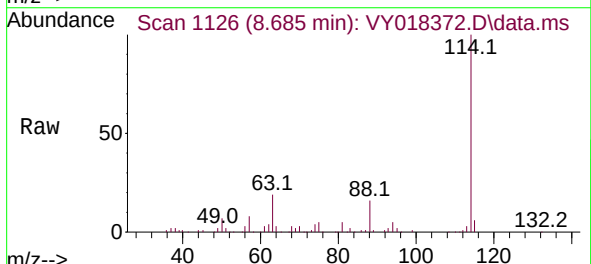
Tgt Ion:114 Resp: 90634

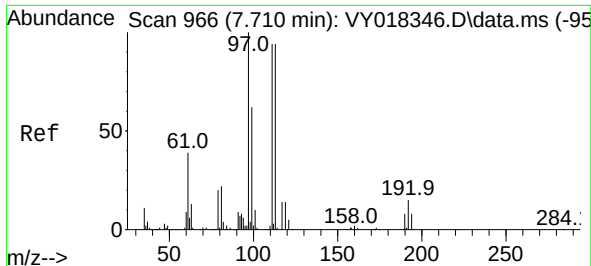
Ion Ratio Lower Upper

114 100

63 19.5 0.0 35.0

88 15.7 0.0 27.2





#35

Dibromofluoromethane

Concen: 50.678 ug/l

RT: 7.710 min Scan# 9

Delta R.T. 0.000 min

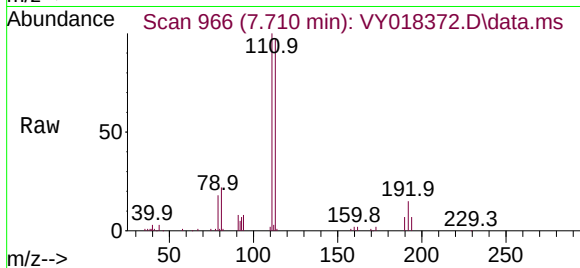
Lab File: VY018372.D

Acq: 24 May 2024 18:16

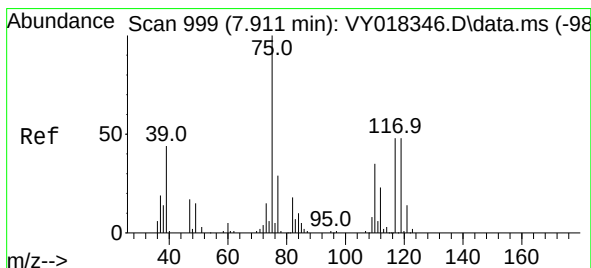
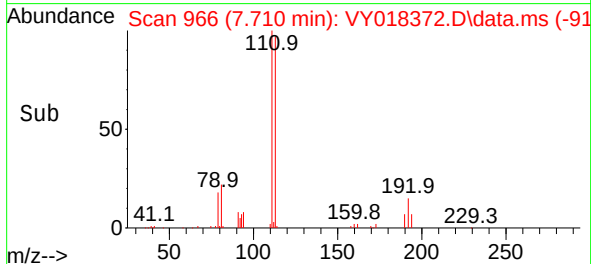
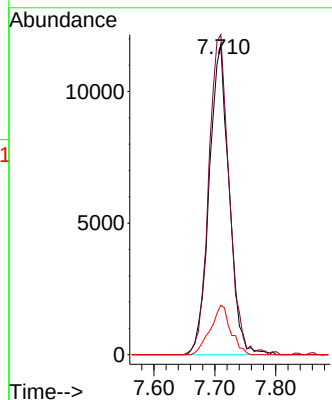
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	113	Resp:	26785
Ion	Ratio	Lower	Upper
113	100		
111	105.7	82.2	123.4
192	16.2	15.9	23.9



#36

1,1-Dichloropropene

Concen: 5.100 ug/l

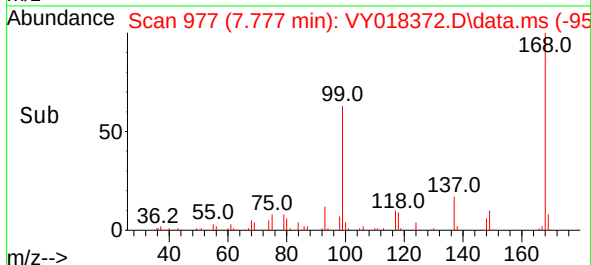
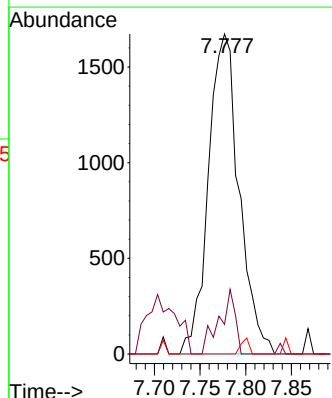
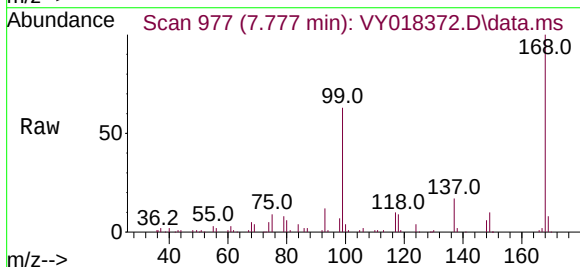
RT: 7.777 min Scan# 977

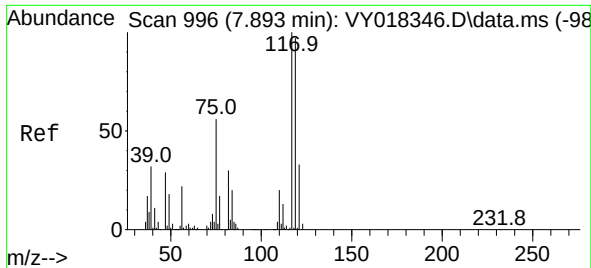
Delta R.T. -0.134 min

Lab File: VY018372.D

Acq: 24 May 2024 18:16

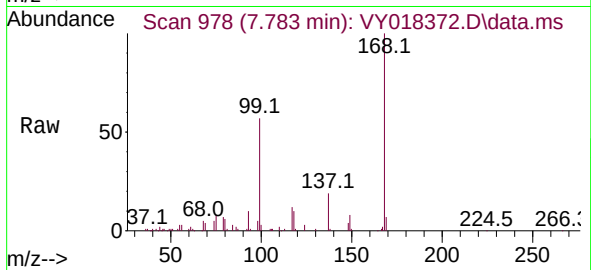
Tgt Ion:	75	Resp:	3909
Ion	Ratio	Lower	Upper
75	100		
110	10.5	19.0	57.0#
77	0.0	25.3	37.9#



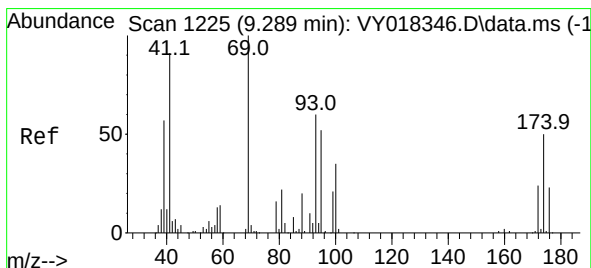
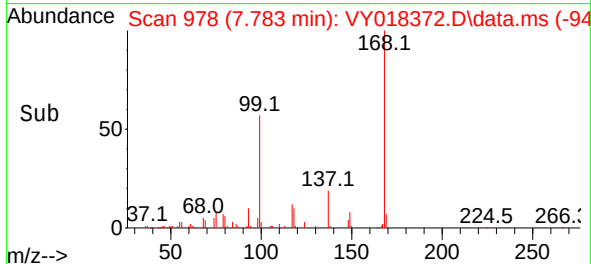
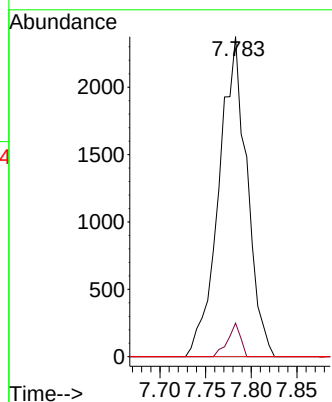


#38
Carbon Tetrachloride
Concen: 6.473 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY018372.D
Acq: 24 May 2024 18:16

Instrument :
MSVOA_Y
ClientSampleId :

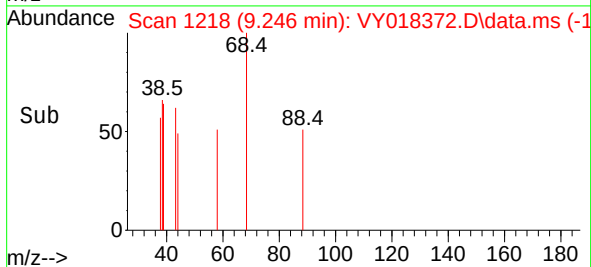
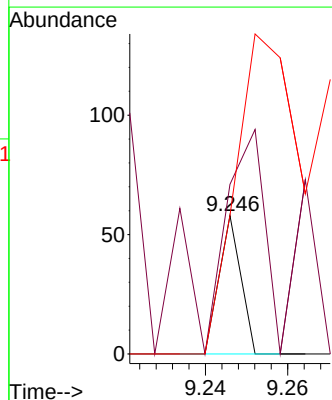
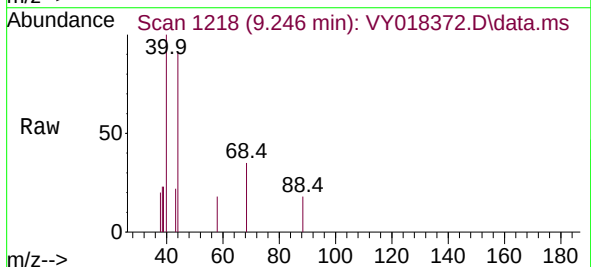


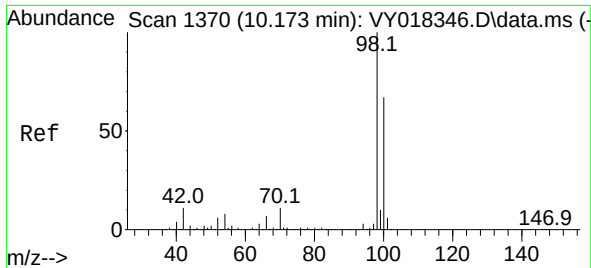
Tgt Ion:117 Resp: 5082
Ion Ratio Lower Upper
117 100
119 10.5 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 5.249 ug/l
RT: 9.246 min Scan# 1218
Delta R.T. -0.043 min
Lab File: VY018372.D
Acq: 24 May 2024 18:16

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 285.7 0.0 0.0#
58 961.9 49.3 73.9#

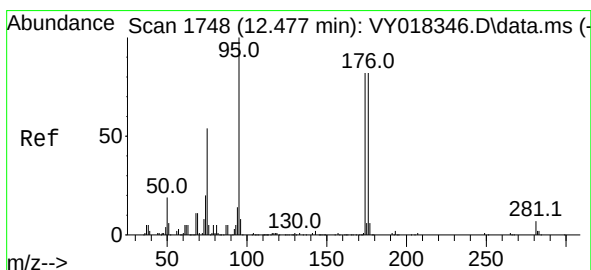
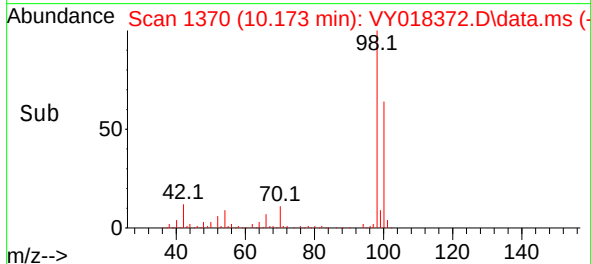
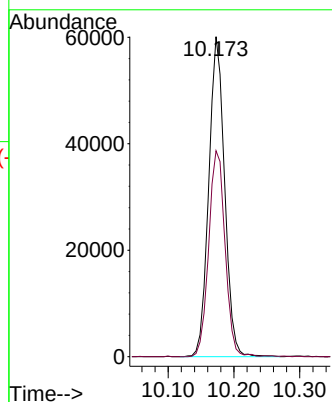
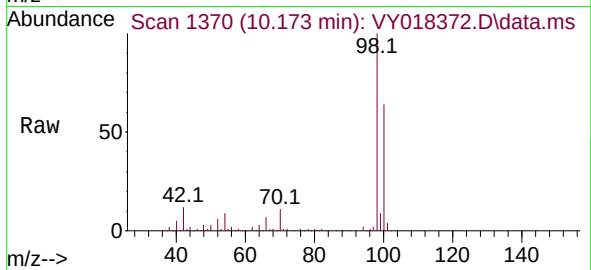




#50
Toluene-d8
Concen: 48.946 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.000 min
Lab File: VY018372.D
Acq: 24 May 2024 18:16

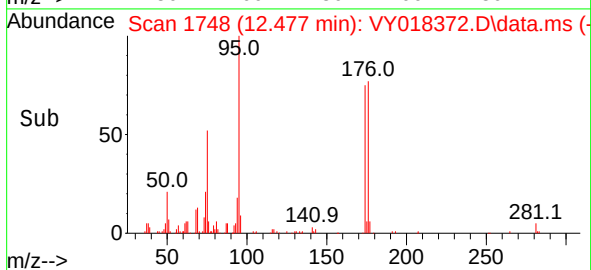
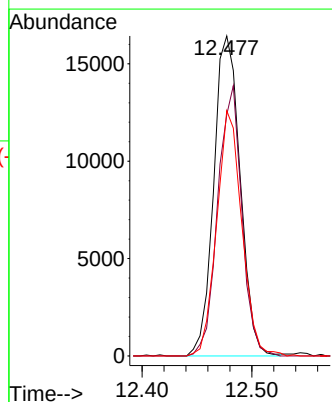
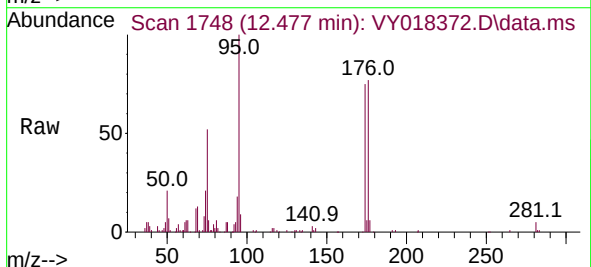
Instrument :
MSVOA_Y
ClientSampleId :

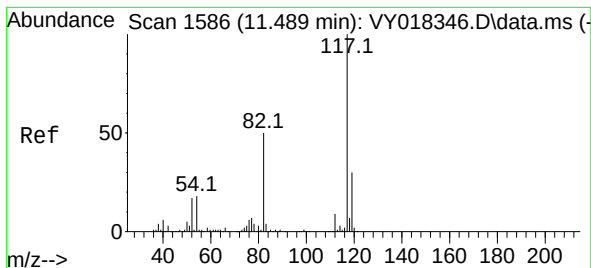
Tgt Ion: 98 Resp: 100860
Ion Ratio Lower Upper
98 100
100 66.2 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 43.253 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY018372.D
Acq: 24 May 2024 18:16

Tgt Ion: 95 Resp: 27540
Ion Ratio Lower Upper
95 100
174 76.7 0.0 175.6
176 73.0 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY018372.D

Acq: 24 May 2024 18:16

Instrument :

MSVOA_Y

ClientSampleId :

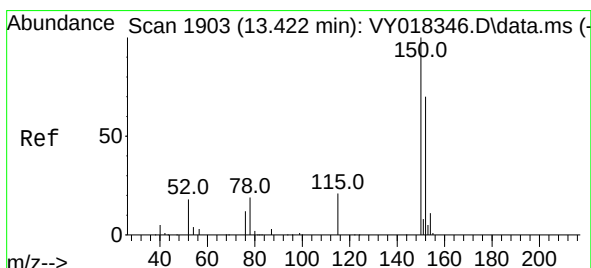
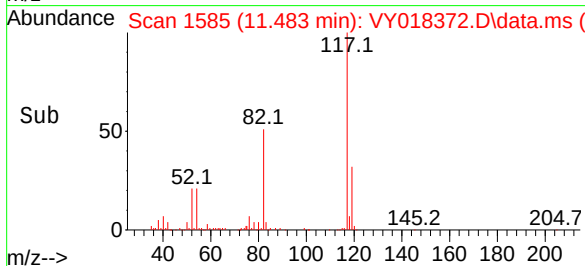
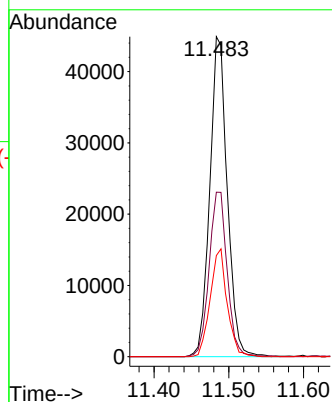
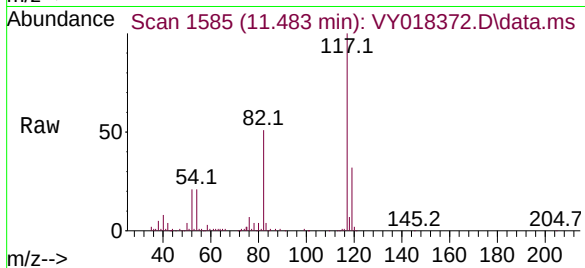
Tgt Ion:117 Resp: 72872

Ion Ratio Lower Upper

117 100

82 51.4 42.4 63.6

119 31.6 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY018372.D

Acq: 24 May 2024 18:16

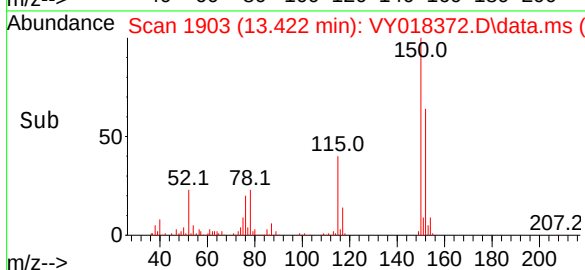
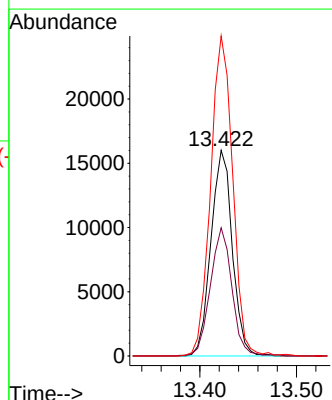
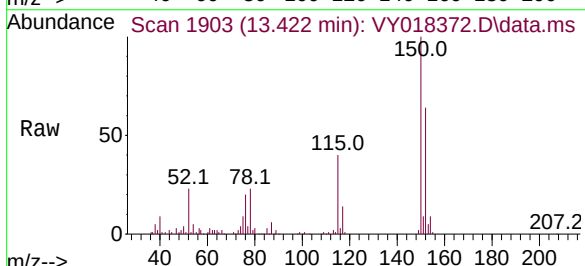
Tgt Ion:152 Resp: 24572

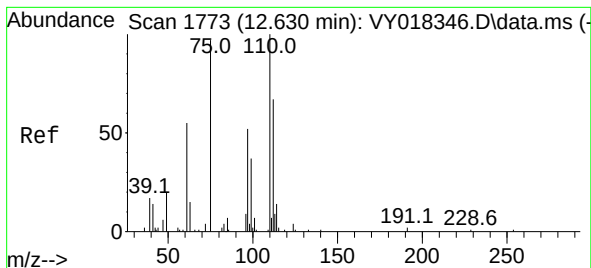
Ion Ratio Lower Upper

152 100

115 62.9 28.2 84.7

150 160.9 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 66.412 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY018372.D

Acq: 24 May 2024 18:16

Instrument :

MSVOA_Y

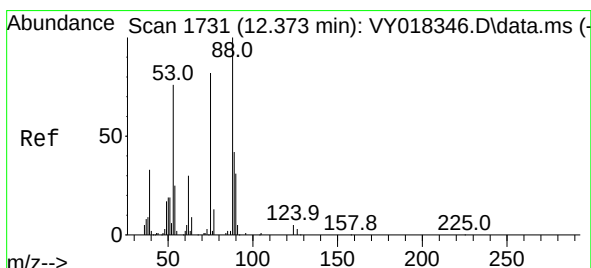
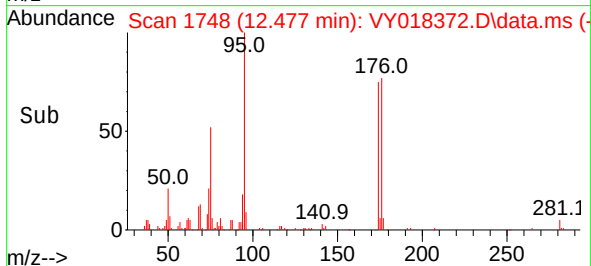
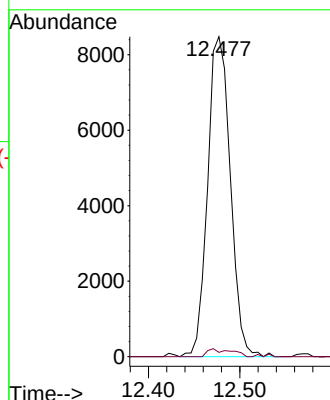
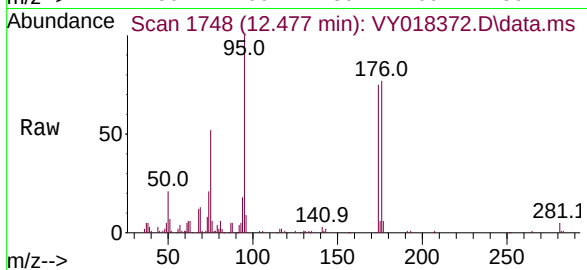
ClientSampleId :

Tgt Ion: 75 Resp: 14667

Ion Ratio Lower Upper

75 100

77 2.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 136.643 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY018372.D

Acq: 24 May 2024 18:16

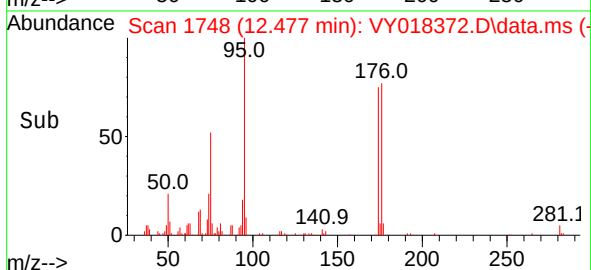
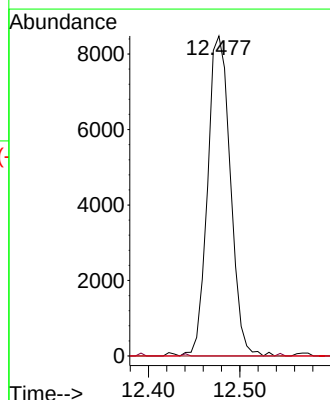
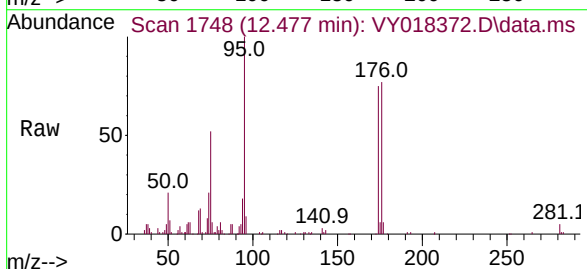
Tgt Ion: 75 Resp: 14667

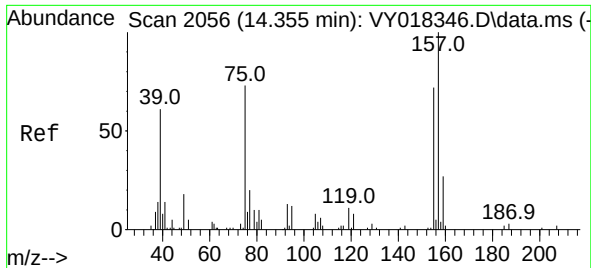
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

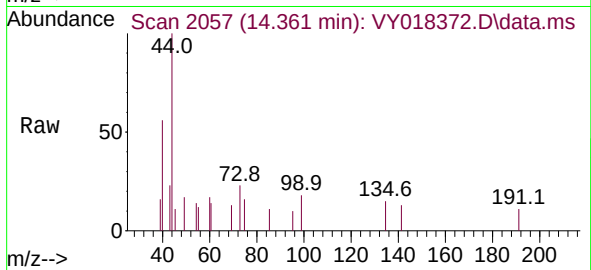
89 0.0 35.8 53.6#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.728 ug/l
 RT: 14.361 min Scan# 2057
 Delta R.T. 0.006 min
 Lab File: VY018372.D
 Acq: 24 May 2024 18:16

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 78
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.6 145.8#
 157 0.0 62.7 188.2#

