

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092024\
 Data File : VY019645.D
 Acq On : 20 Sep 2024 14:59
 Operator : SY/MD
 Sample : P4097-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 20 23:50:17 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)

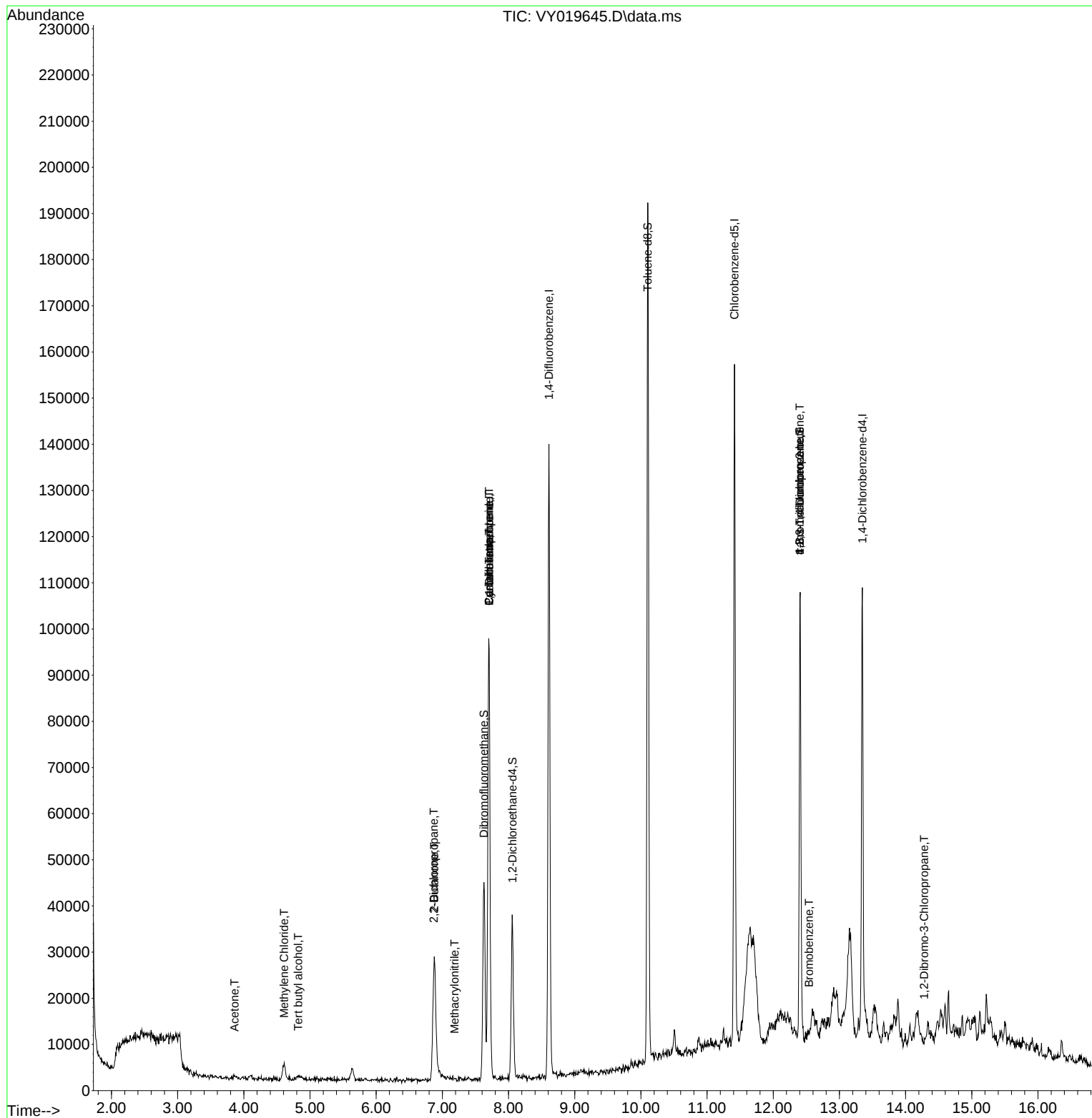
Internal Standards						
1) Pentafluorobenzene	7.707	168	70579	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	113010	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	78174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	23630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	27870	42.644	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.280%
35) Dibromofluoromethane	7.628	113	30542	47.666	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.340%
50) Toluene-d8	10.103	98	123797	52.236	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.480%
62) 4-Bromofluorobenzene	12.401	95	29856	32.763	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	65.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	75	Below Cal	#	43
11) Tert butyl alcohol	4.824	59	340	6.442	ug/l #	90
13) Acrolein	3.635	56	44	Below Cal	#	55
16) Acetone	3.860	43	790	5.074	ug/l	97
20) Methylene Chloride	4.610	84	2485	3.500	ug/l #	81
25) 2-Butanone	6.878	43	1823	8.232	ug/l #	61
26) 2,2-Dichloropropane	6.872	77	2421	2.074	ug/l #	51
31) Cyclohexane	7.707	56	1913	1.636	ug/l #	49
36) 1,1-Dichloropropene	7.707	75	6656	7.634	ug/l #	49
38) Carbon Tetrachloride	7.707	117	7867	8.001	ug/l #	17
41) Methacrylonitrile	7.183	41	263	1.010	ug/l #	32
76) 1,2,3-Trichloropropane	12.401	75	16210	73.189	ug/l #	100
77) Bromobenzene	12.542	156	714	1.878	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.401	75	16210	140.501	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.279	75	64	1.262	ug/l #	1

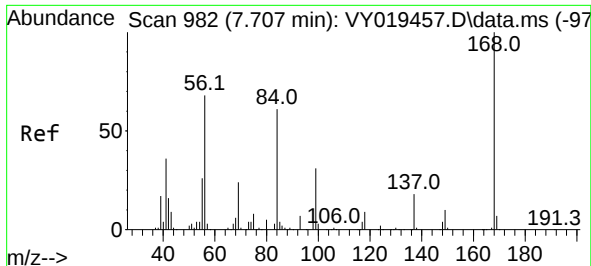
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 09 16:00:30 2024
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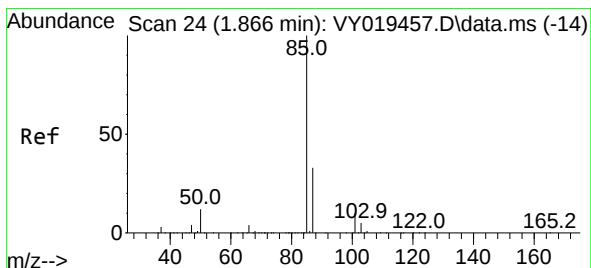
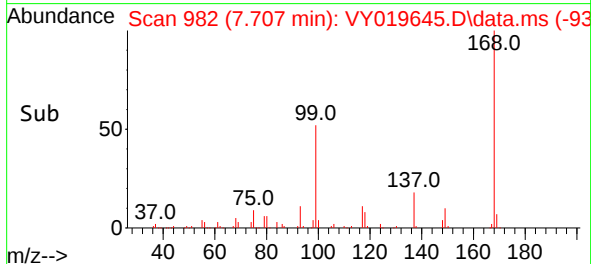
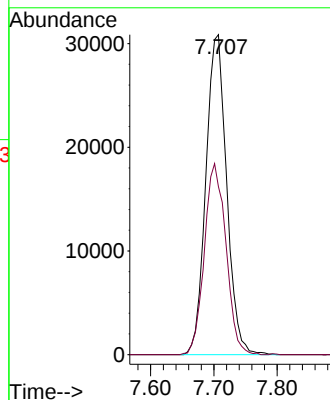
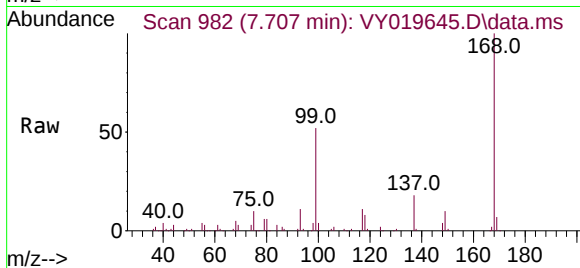




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019645.D
Acq: 20 Sep 2024 14:59

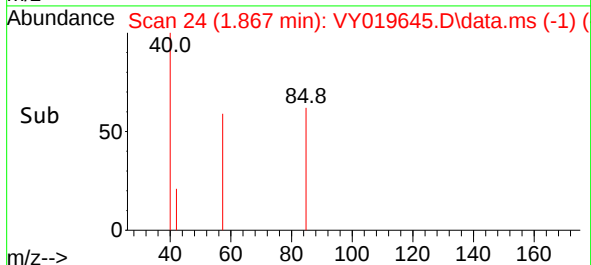
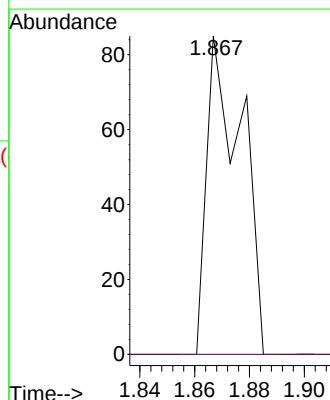
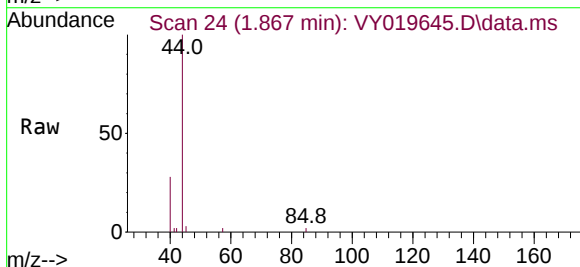
Instrument :
MSVOA_Y
ClientSampleId :

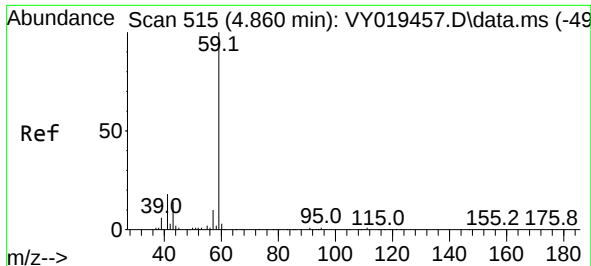
Tgt Ion:168 Resp: 70579
Ion Ratio Lower Upper
168 100
99 52.5 39.1 58.7



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY019645.D
Acq: 20 Sep 2024 14:59

Tgt Ion: 85 Resp: 75
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#

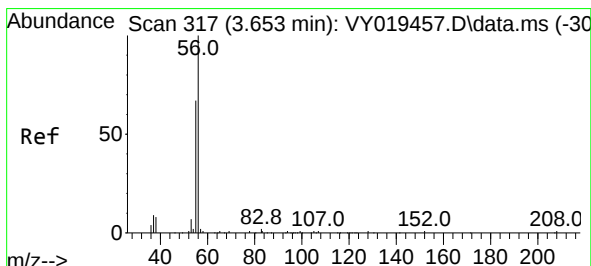
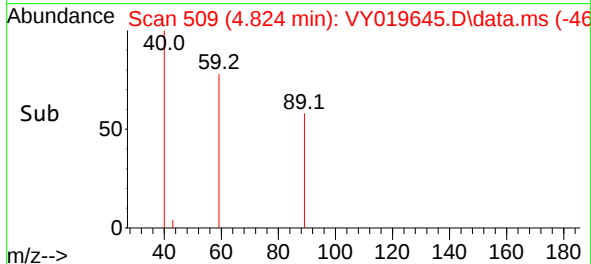
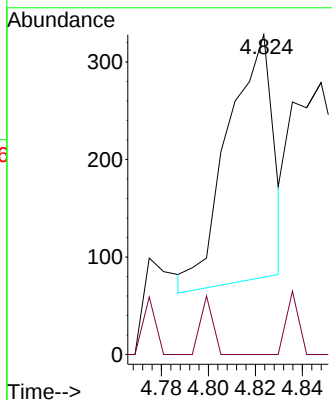
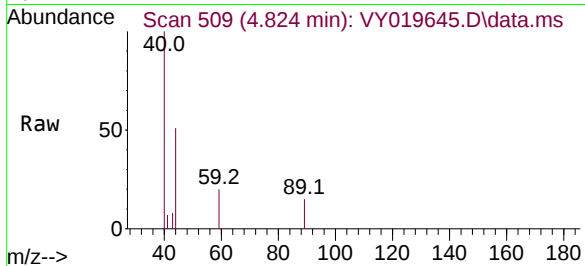




#11
Tert butyl alcohol
Concen: 6.442 ug/l
RT: 4.824 min Scan# 509
Delta R.T. -0.036 min
Lab File: VY019645.D
Acq: 20 Sep 2024 14:59

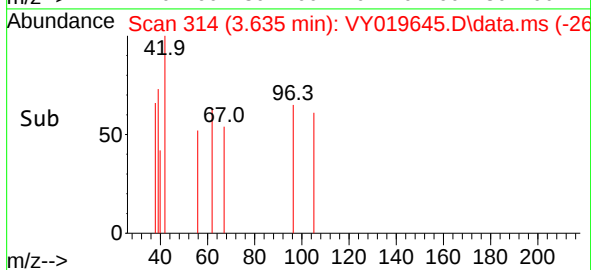
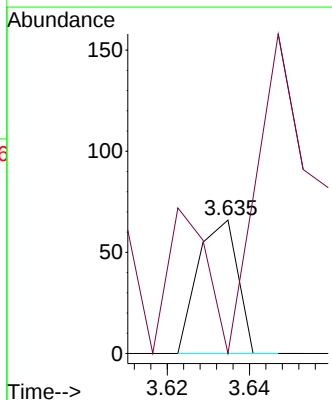
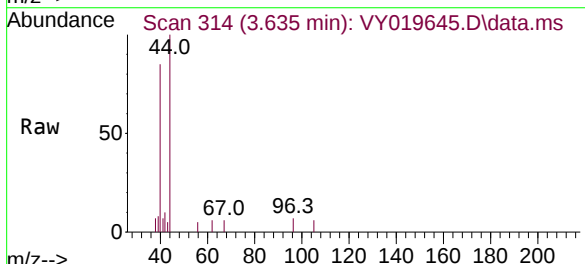
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 59 Resp: 340
Ion Ratio Lower Upper
59 100
57 7.1 3.0 4.6#



#13
Acrolein
Concen: Below Cal
RT: 3.635 min Scan# 314
Delta R.T. -0.018 min
Lab File: VY019645.D
Acq: 20 Sep 2024 14:59

Tgt Ion: 56 Resp: 44
Ion Ratio Lower Upper
56 100
55 106.8 55.7 83.5#

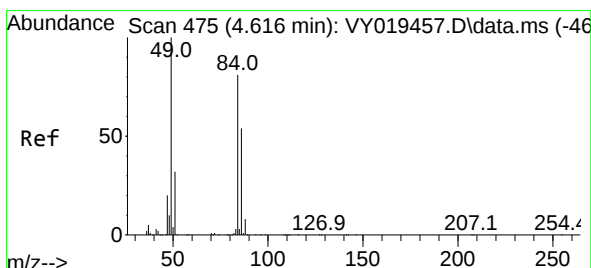
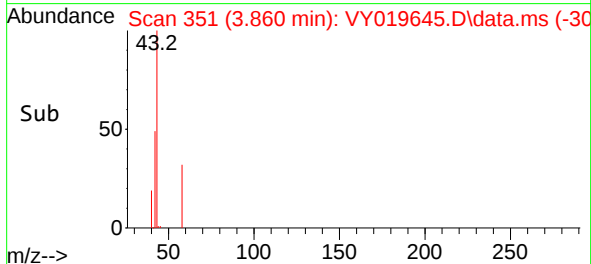
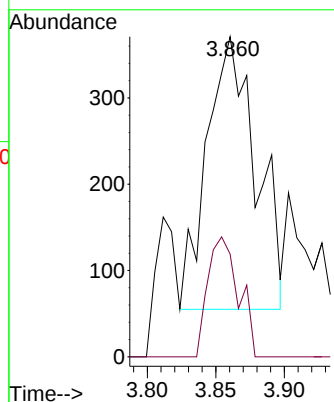
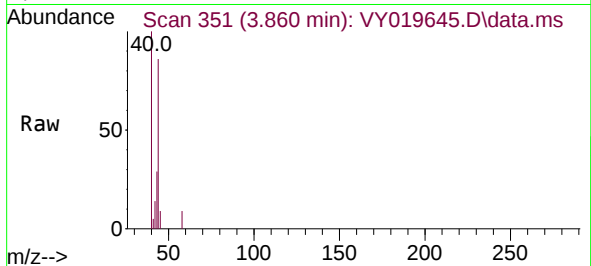




#16
Acetone
Concen: 5.074 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY019645.D
Acq: 20 Sep 2024 14:59

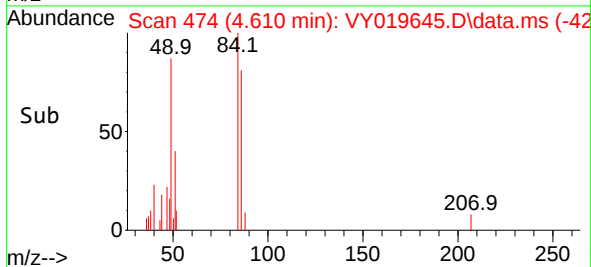
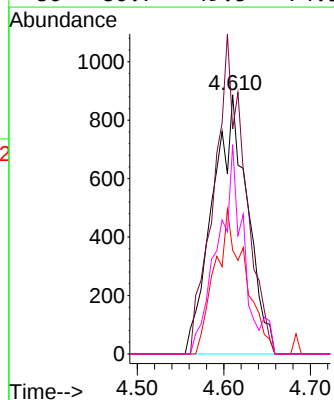
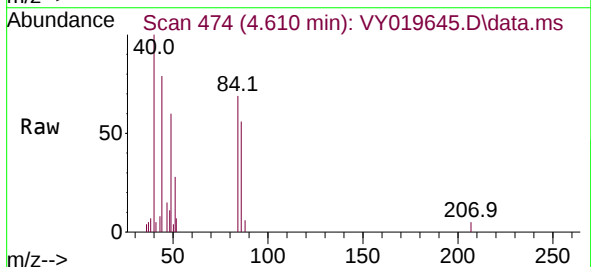
Instrument :
MSVOA_Y
ClientSampleId :

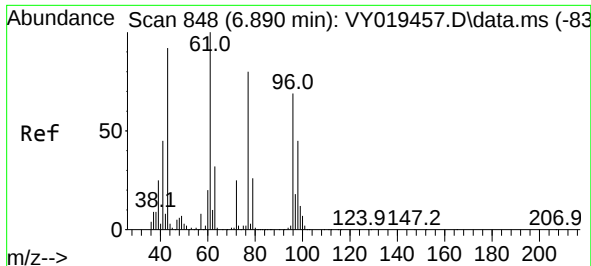
Tgt Ion: 43 Resp: 790
Ion Ratio Lower Upper
43 100
58 37.7 31.7 47.5



#20
Methylene Chloride
Concen: 3.500 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY019645.D
Acq: 20 Sep 2024 14:59

Tgt Ion: 84 Resp: 2485
Ion Ratio Lower Upper
84 100
49 86.8 84.4 126.6
51 40.0 26.0 39.0#
86 80.7 49.5 74.3#





#25

2-Butanone

Concen: 8.232 ug/l

RT: 6.878 min Scan# 84

Delta R.T. -0.012 min

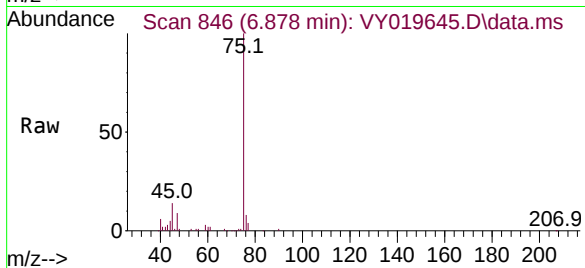
Lab File: VY019645.D

Acq: 20 Sep 2024 14:59

Instrument :

MSVOA_Y

ClientSampleId :

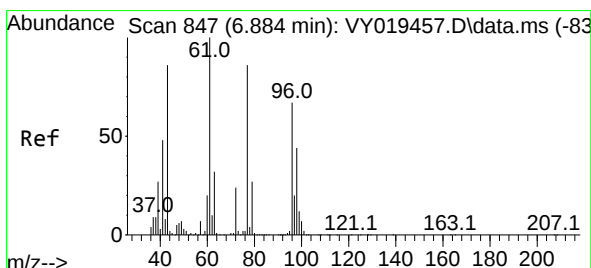
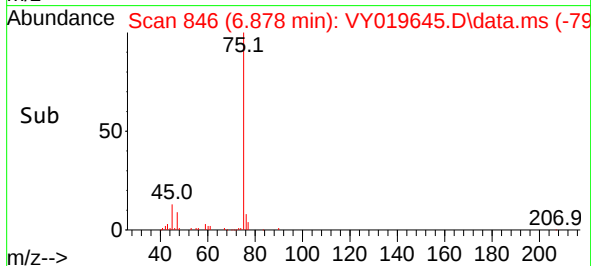
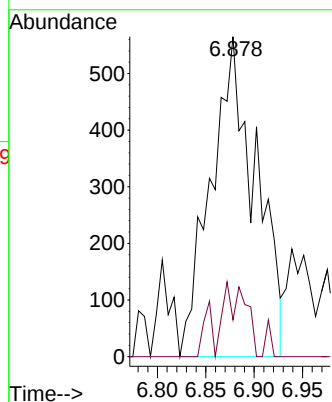


Tgt Ion: 43 Resp: 1823

Ion Ratio Lower Upper

43 100

72 11.5 27.3 40.9#



#26

2,2-Dichloropropane

Concen: 2.074 ug/l

RT: 6.872 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY019645.D

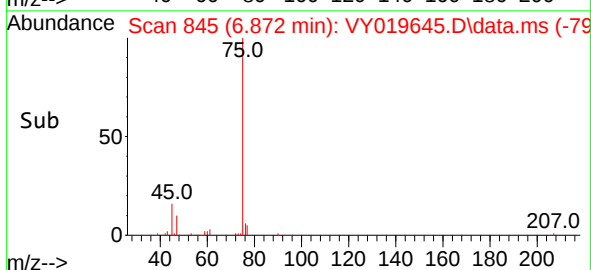
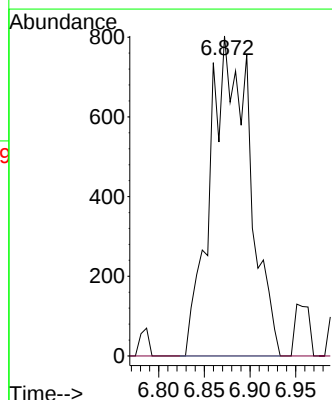
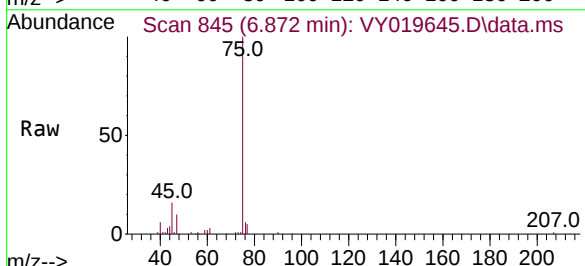
Acq: 20 Sep 2024 14:59

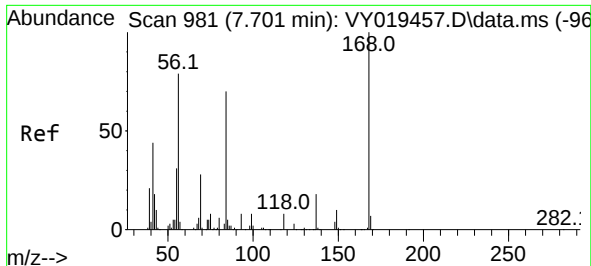
Tgt Ion: 77 Resp: 2421

Ion Ratio Lower Upper

77 100

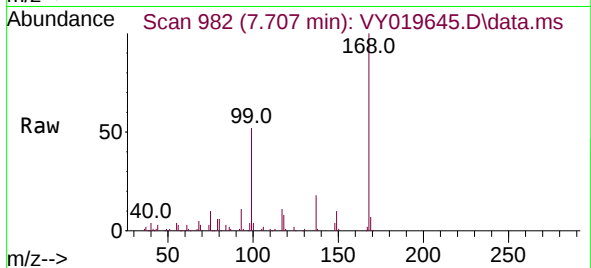
97 0.0 12.0 36.1#



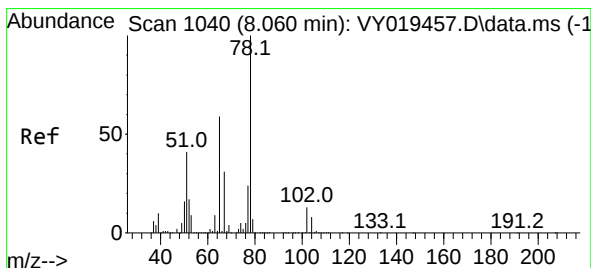
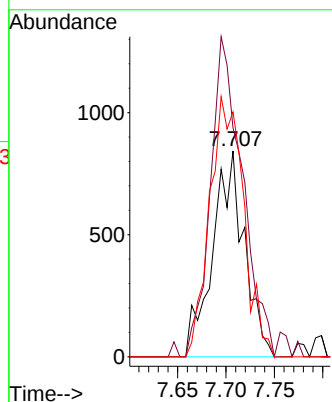
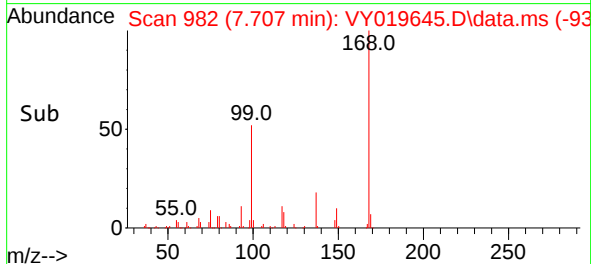


#31
Cyclohexane
Concen: 1.636 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY019645.D
Acq: 20 Sep 2024 14:59

Instrument :
MSVOA_Y
ClientSampleId :

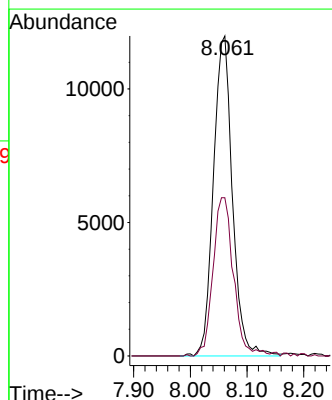
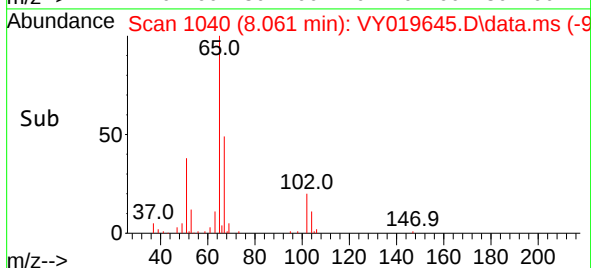
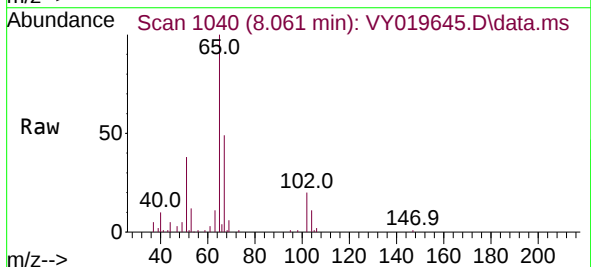


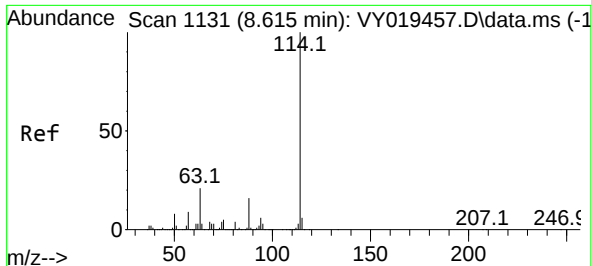
Tgt Ion: 56 Resp: 1913
Ion Ratio Lower Upper
56 100
69 111.3 28.7 43.1#
84 119.0 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 42.644 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019645.D
Acq: 20 Sep 2024 14:59

Tgt Ion: 65 Resp: 27870
Ion Ratio Lower Upper
65 100
67 53.1 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

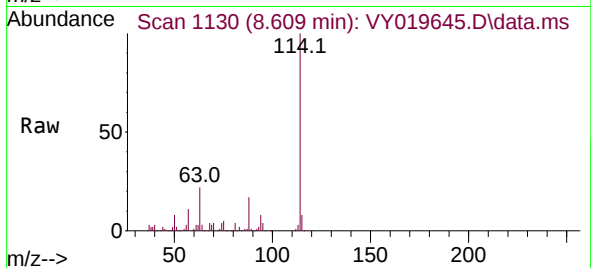
Lab File: VY019645.D

Acq: 20 Sep 2024 14:59

Instrument :

MSVOA_Y

ClientSampleId :



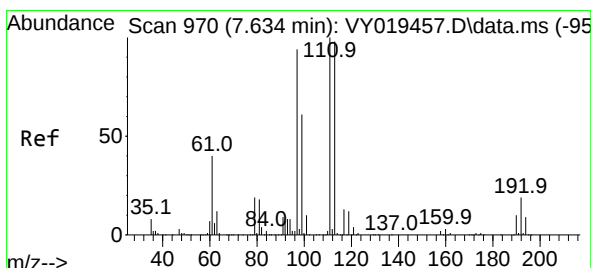
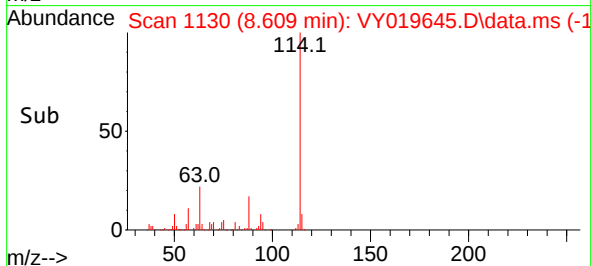
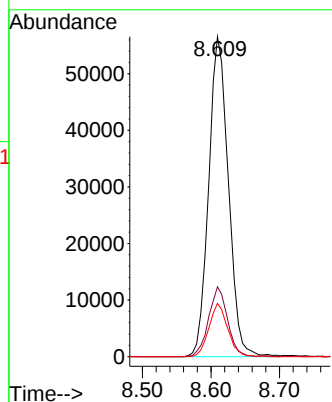
Tgt Ion:114 Resp: 113010

Ion Ratio Lower Upper

114 100

63 21.9 0.0 35.0

88 16.6 0.0 27.2



#35

Dibromofluoromethane

Concen: 47.666 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY019645.D

Acq: 20 Sep 2024 14:59

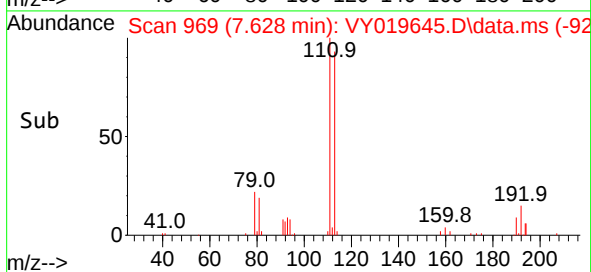
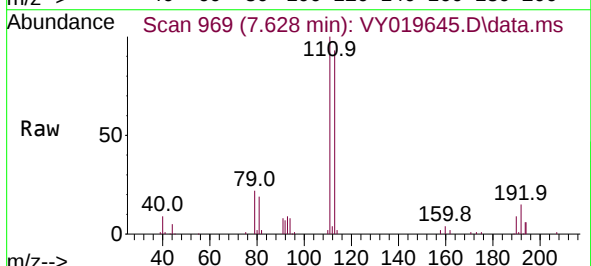
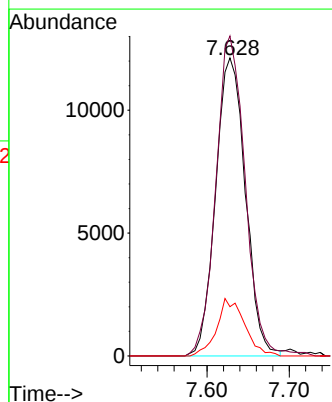
Tgt Ion:113 Resp: 30542

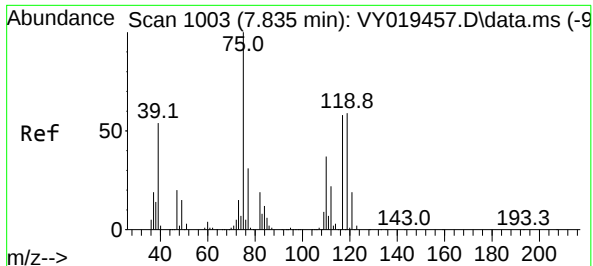
Ion Ratio Lower Upper

113 100

111 105.8 82.2 123.4

192 18.0 15.9 23.9





#36

1,1-Dichloropropene

Concen: 7.634 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

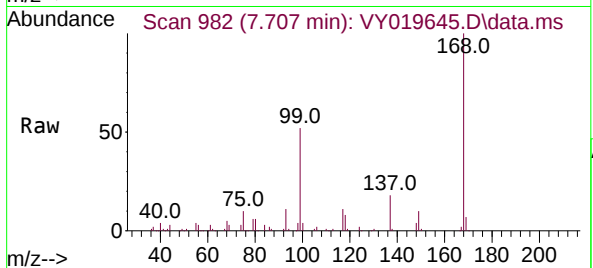
Lab File: VY019645.D

Acq: 20 Sep 2024 14:59

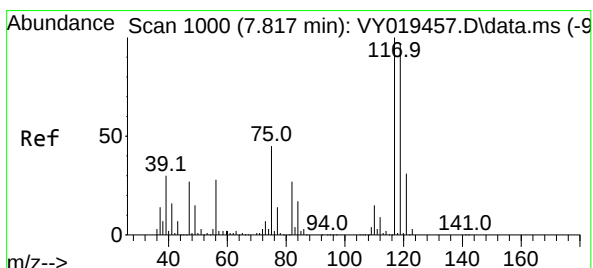
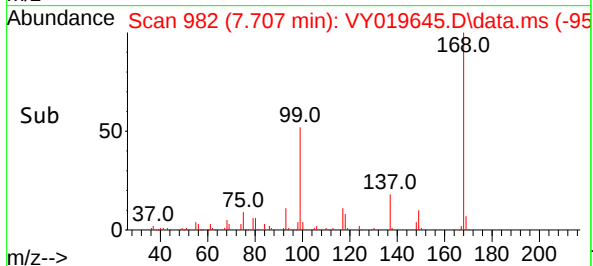
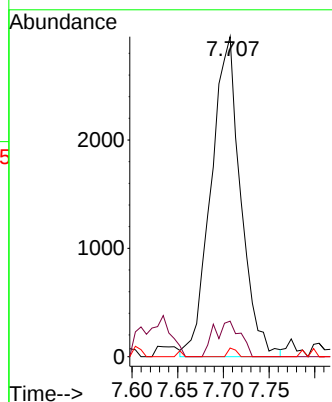
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 6656
Ion Ratio	Lower Upper
75	100
110	9.7 19.0 57.0#
77	0.8 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 8.001 ug/l

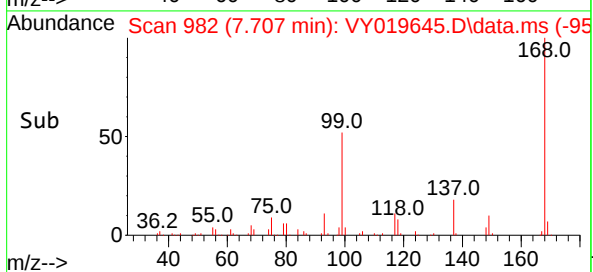
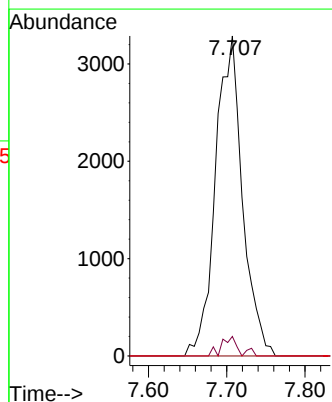
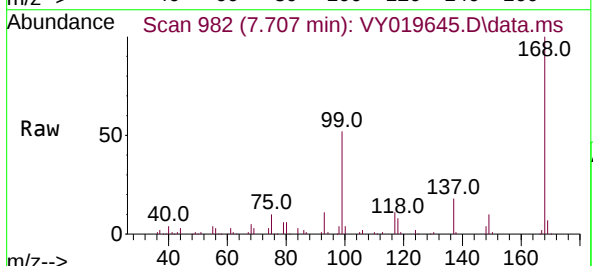
RT: 7.707 min Scan# 982

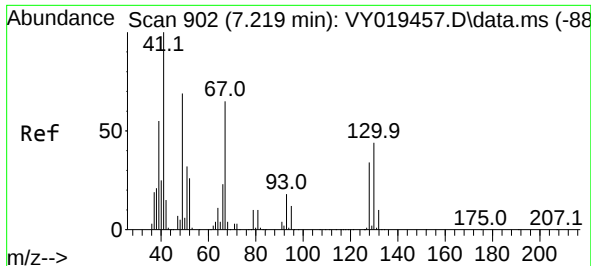
Delta R.T. -0.109 min

Lab File: VY019645.D

Acq: 20 Sep 2024 14:59

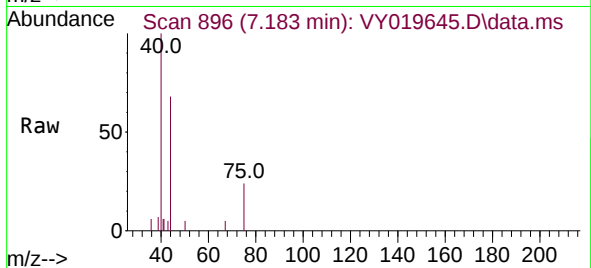
Tgt Ion: 117	Resp: 7867
Ion Ratio	Lower Upper
117	100
119	6.1 75.8 113.6#
121	0.0 24.0 36.0#



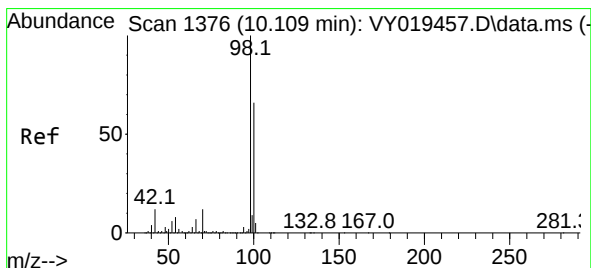
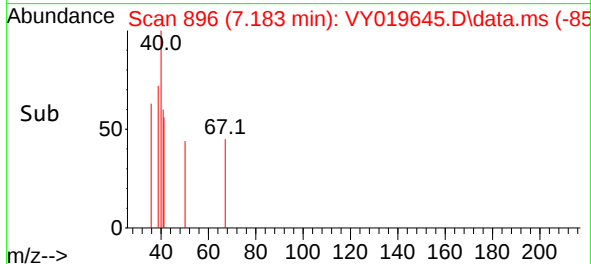
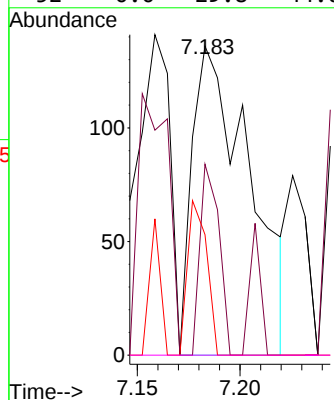


#41
Methacrylonitrile
Concen: 1.010 ug/l
RT: 7.183 min Scan# 896
Delta R.T. -0.036 min
Lab File: VY019645.D
Acq: 20 Sep 2024 14:59

Instrument :
MSVOA_Y
ClientSampleId :

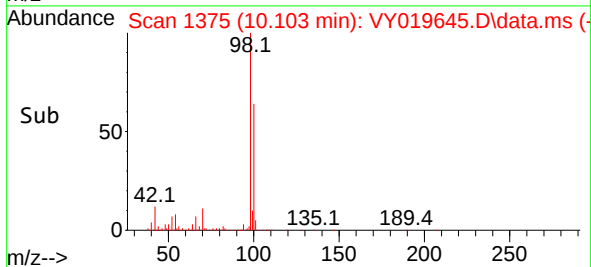
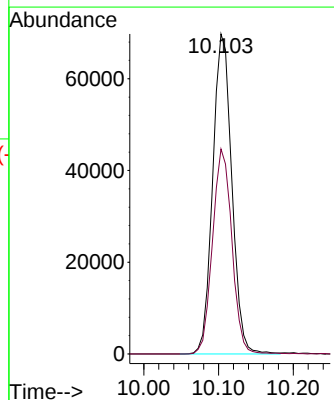
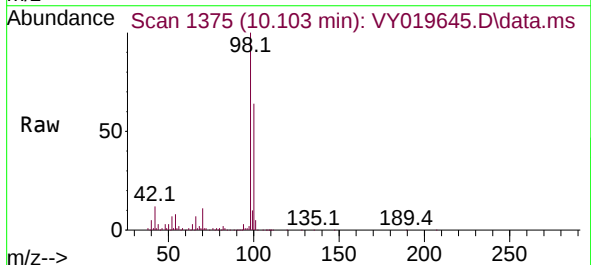


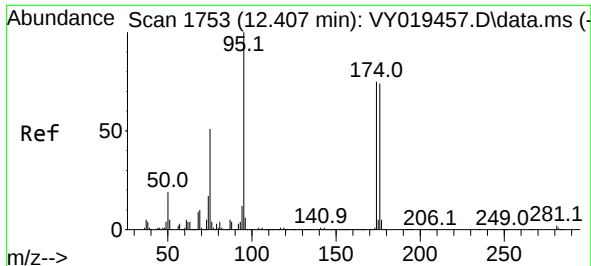
Tgt Ion:	41	Resp:	263
Ion Ratio	Lower	Upper	
41	100		
39	20.5	48.0	72.0#
67	16.7	75.1	112.7#
52	0.0	29.8	44.6#



#50
Toluene-d8
Concen: 52.236 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019645.D
Acq: 20 Sep 2024 14:59

Tgt Ion:	98	Resp:	123797
Ion Ratio	Lower	Upper	
98	100		
100	64.9	52.0	78.0

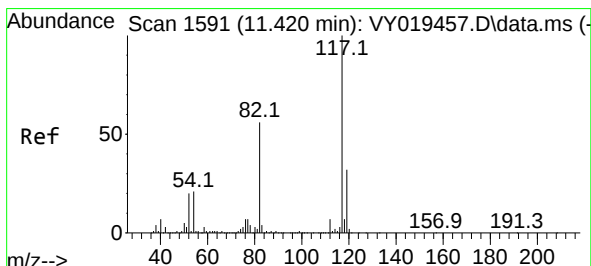
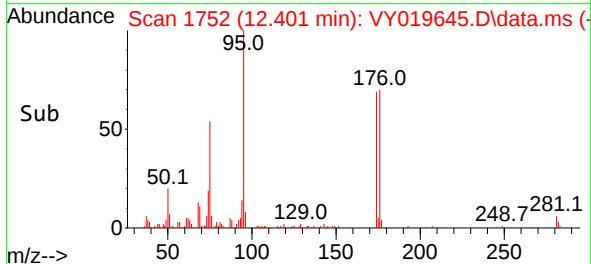
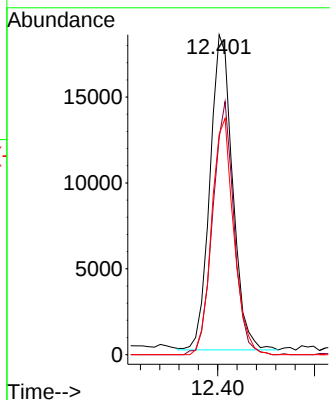
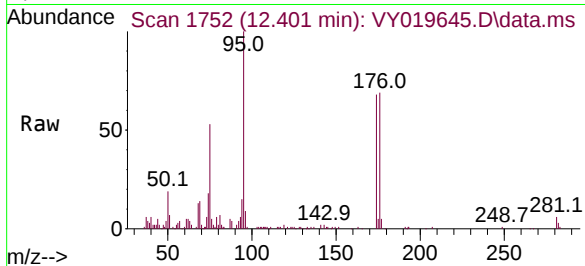




#62
4-Bromofluorobenzene
Concen: 32.763 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019645.D
Acq: 20 Sep 2024 14:59

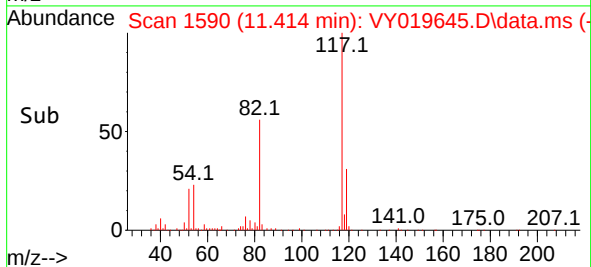
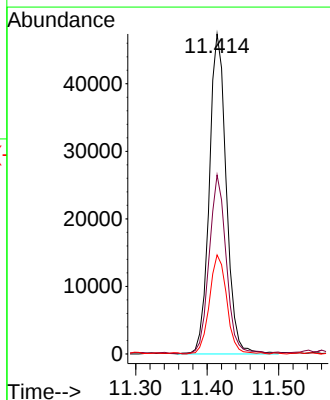
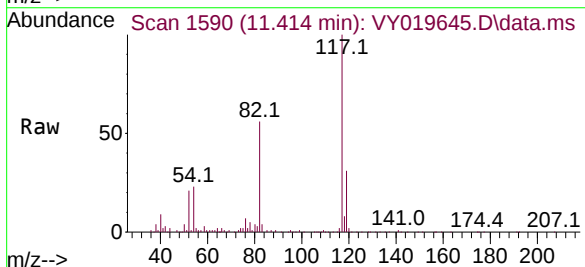
Instrument :
MSVOA_Y
ClientSampleId :

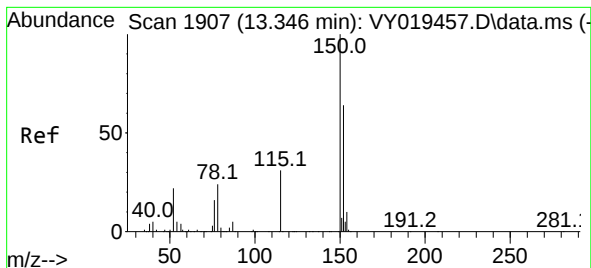
Tgt Ion: 95 Resp: 29856
Ion Ratio Lower Upper
95 100
174 75.0 0.0 175.6
176 73.2 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019645.D
Acq: 20 Sep 2024 14:59

Tgt Ion: 117 Resp: 78174
Ion Ratio Lower Upper
117 100
82 55.8 42.4 63.6
119 30.7 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: VY019645.D

Acq: 20 Sep 2024 14:59

Instrument :

MSVOA_Y

ClientSampleId :

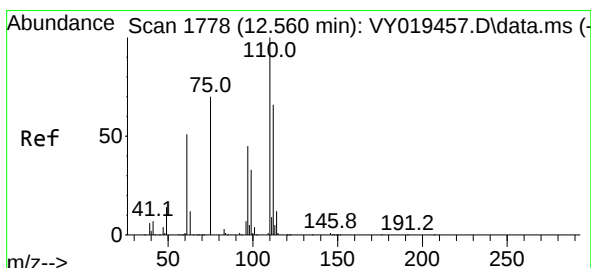
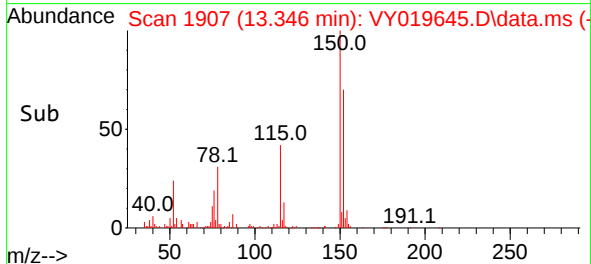
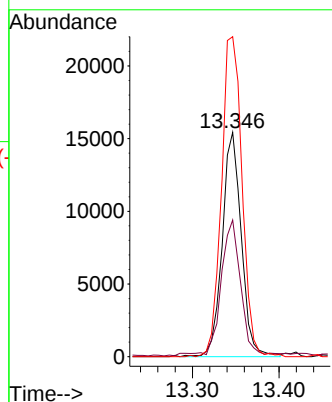
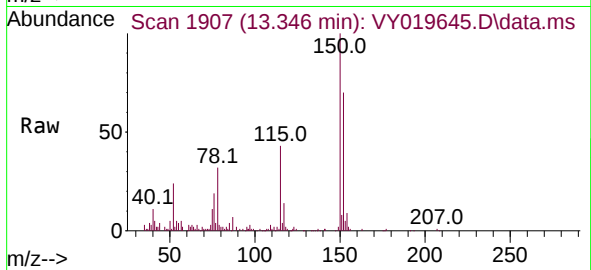
Tgt Ion:152 Resp: 23630

Ion Ratio Lower Upper

152 100

115 59.9 28.2 84.7

150 153.9 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 73.189 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019645.D

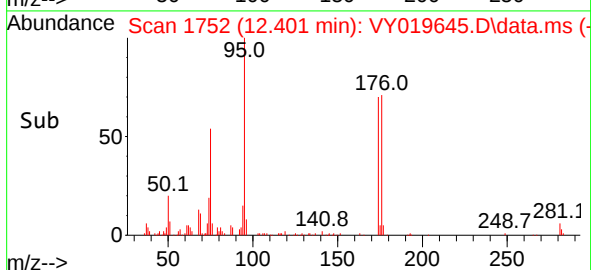
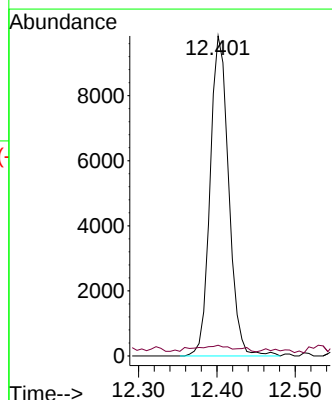
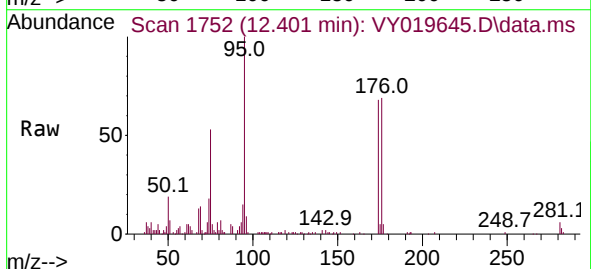
Acq: 20 Sep 2024 14:59

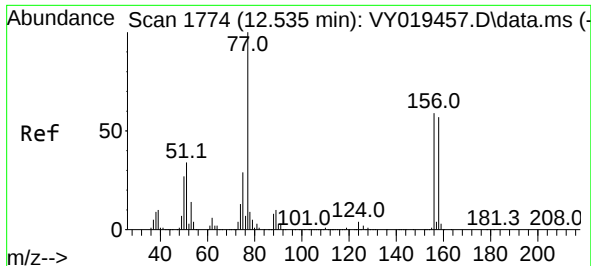
Tgt Ion: 75 Resp: 16210

Ion Ratio Lower Upper

75 100

77 3.4 0.0 0.0#

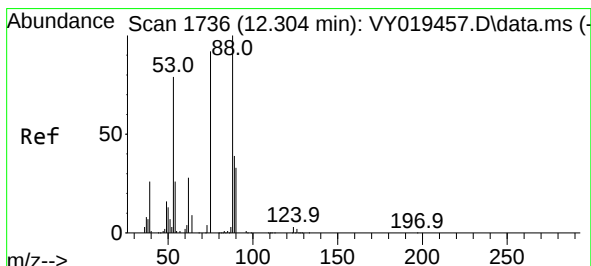
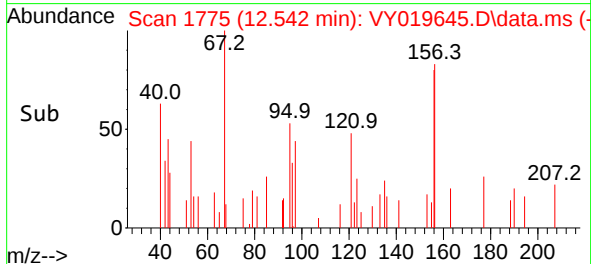
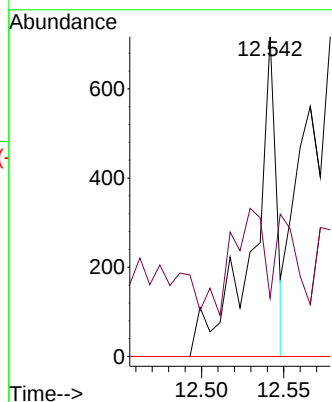
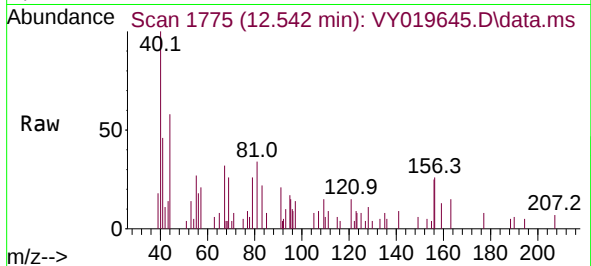




#77
Bromobenzene
Concen: 1.878 ug/l
RT: 12.542 min Scan# 1774
Delta R.T. 0.006 min
Lab File: VY019645.D
Acq: 20 Sep 2024 14:59

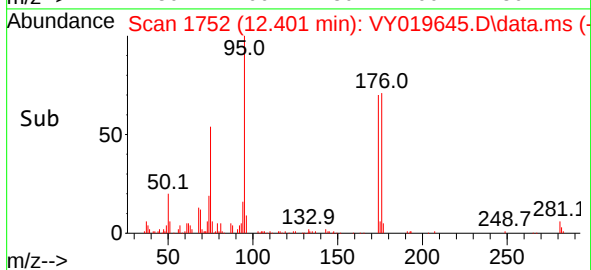
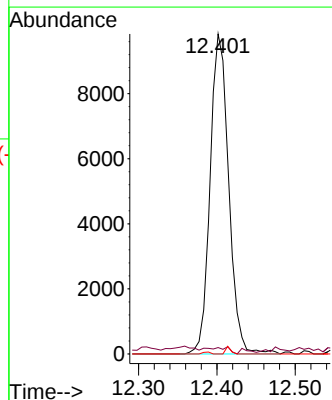
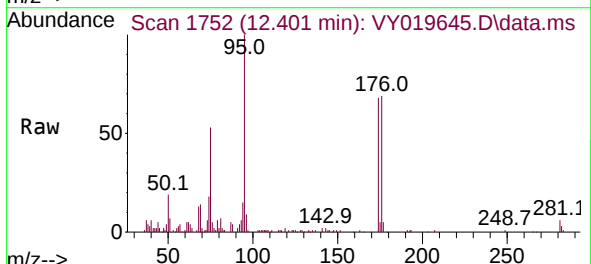
Instrument :
MSVOA_Y
ClientSampleId :

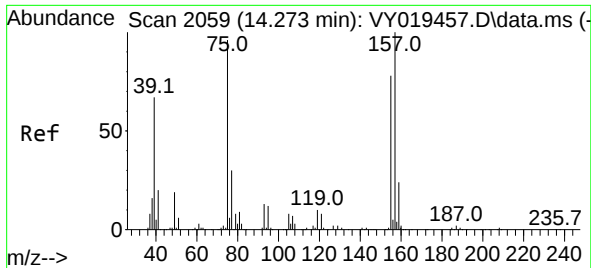
Tgt Ion:156 Resp: 714
Ion Ratio Lower Upper
156 100
77 22.4 87.1 261.3#
158 0.0 48.6 145.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 140.501 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019645.D
Acq: 20 Sep 2024 14:59

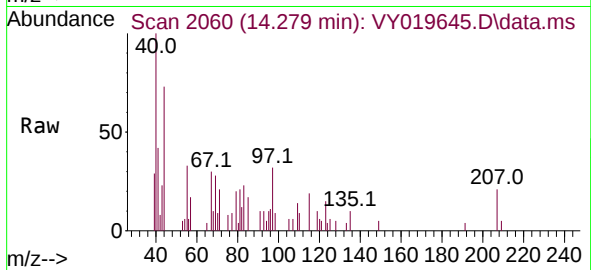
Tgt Ion: 75 Resp: 16210
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.2 35.8 53.6#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.262 ug/l
 RT: 14.279 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VY019645.D
 Acq: 20 Sep 2024 14:59

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	75	Resp:	64
Ion	Ratio	Lower	Upper
75	100		
155	0.0	48.6	145.8#
157	0.0	62.7	188.2#

