

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090924\
 Data File : VY019462.D
 Acq On : 09 Sep 2024 13:34
 Operator : SY/MD
 Sample : VY0909SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 10 01:47:43 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)

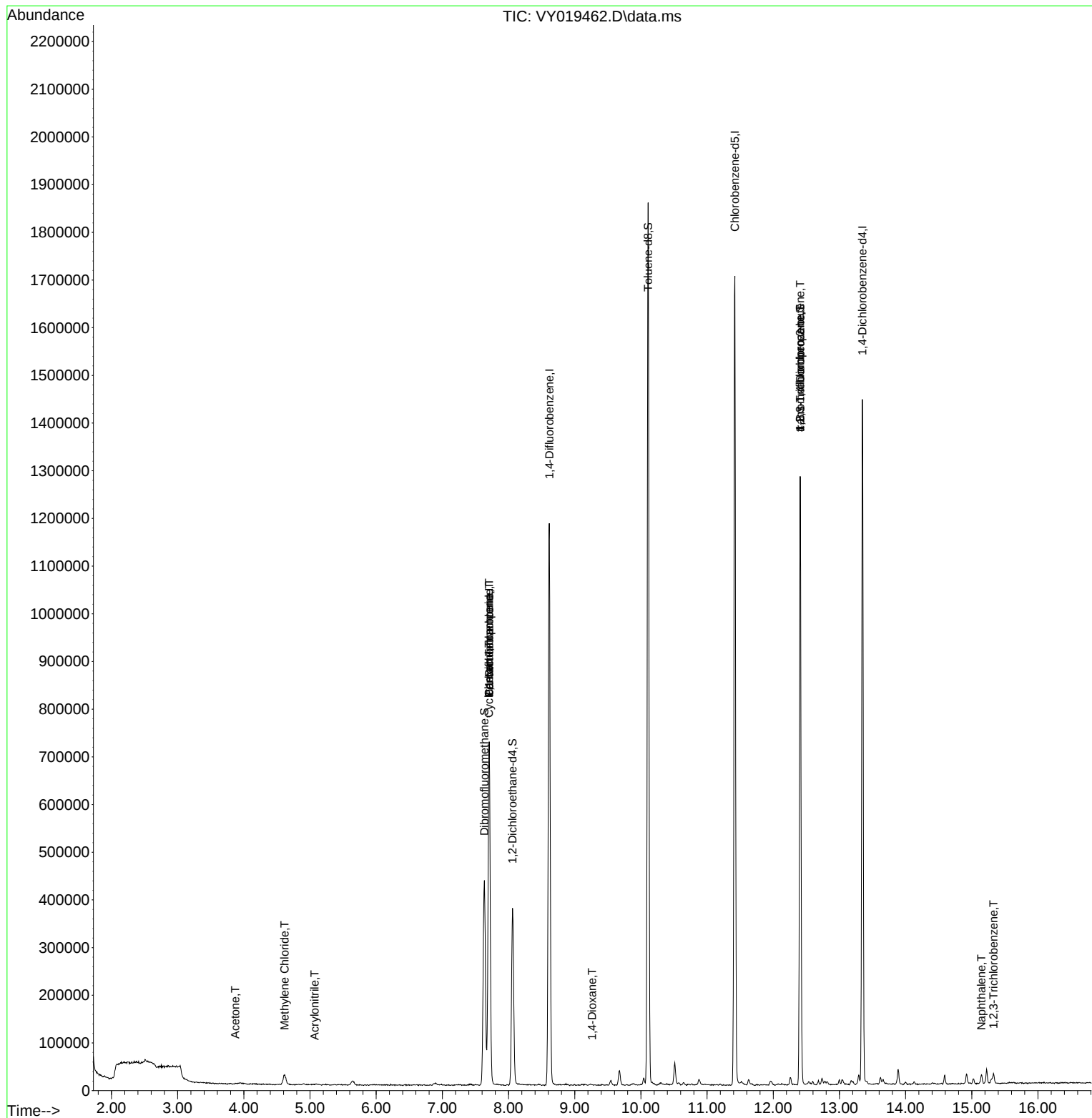
Internal Standards						
1) Pentafluorobenzene	7.707	168	542726	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	1017746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	901124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	347599	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	294626	58.626	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.260%	
35) Dibromofluoromethane	7.634	113	311805	54.035	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.060%	
50) Toluene-d8	10.109	98	1197127	56.089	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.180%	
62) 4-Bromofluorobenzene	12.407	95	405919	49.462	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 98.920%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	389	Below Cal	#	43
13) Acrolein	3.641	56	154	Below Cal	#	54
15) Acrylonitrile	5.067	53	1966	1.678	ug/l #	58
16) Acetone	3.872	43	4210	3.516	ug/l	94
20) Methylene Chloride	4.616	84	14897	2.728	ug/l	86
31) Cyclohexane	7.701	56	12521	1.392	ug/l #	8
36) 1,1-Dichloropropene	7.707	75	44781	5.703	ug/l #	48
38) Carbon Tetrachloride	7.707	117	57410	6.484	ug/l #	16
49) 1,4-Dioxane	9.262	88	72	1.892	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	208063	63.862	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	208063	122.596	ug/l #	16
95) Naphthalene	15.145	128	14586	1.235	ug/l	96
96) 1,2,3-Trichlorobenzene	15.328	180	5458	1.082	ug/l	95

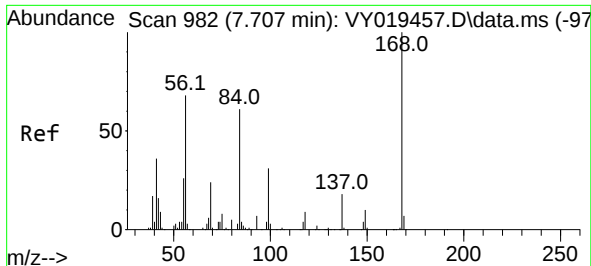
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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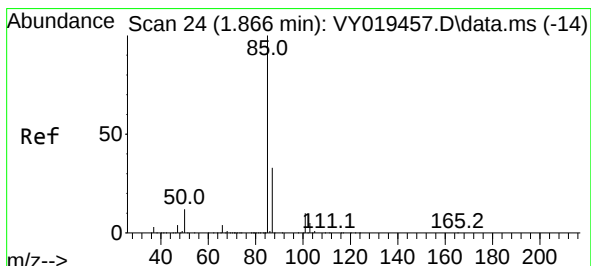
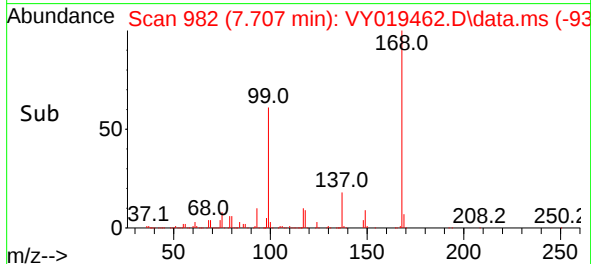
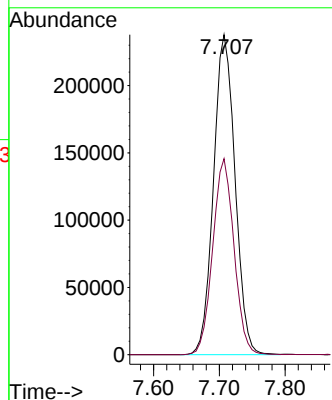
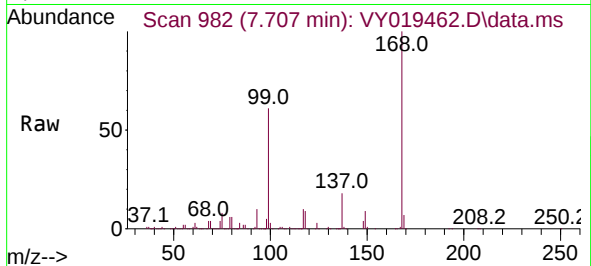




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019462.D
Acq: 09 Sep 2024 13:34

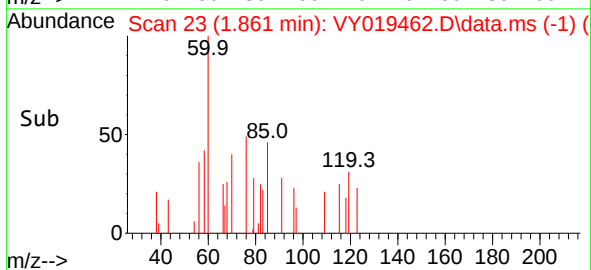
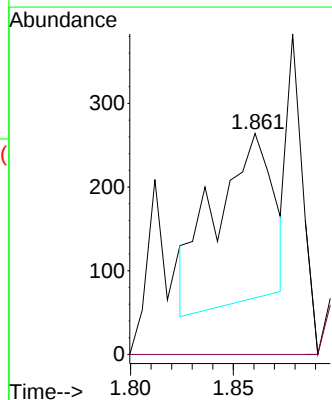
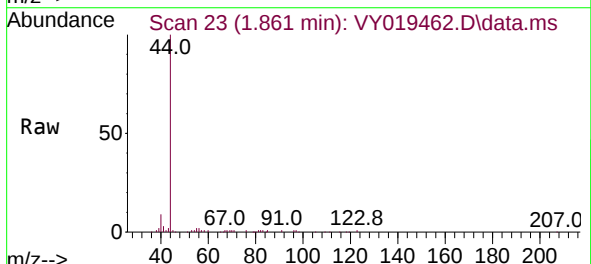
Instrument :
MSVOA_Y
ClientSampleId :

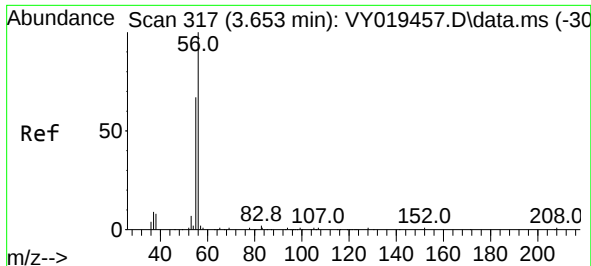
Tgt Ion:168 Resp: 542726
Ion Ratio Lower Upper
168 100
99 61.2 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.861 min Scan# 23
Delta R.T. -0.005 min
Lab File: VY019462.D
Acq: 09 Sep 2024 13:34

Tgt Ion: 85 Resp: 389
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#

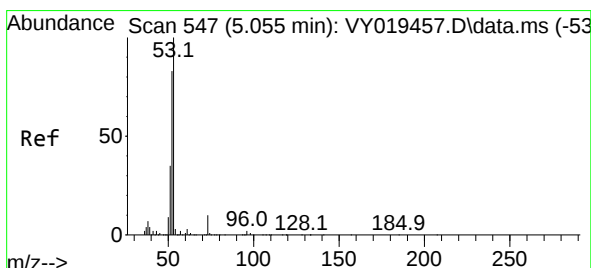
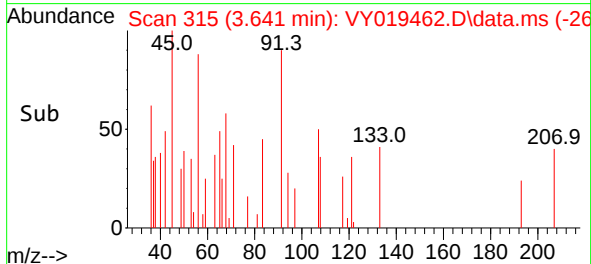
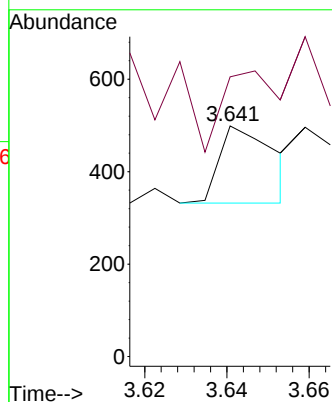
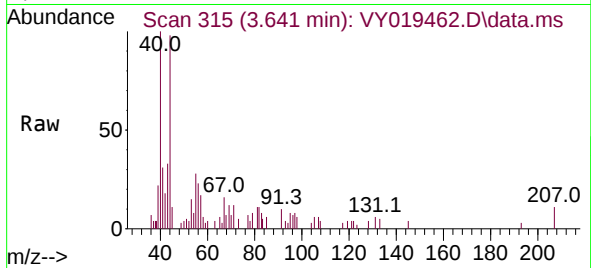




#13
Acrolein
Concen: Below Cal
RT: 3.641 min Scan# 317
Delta R.T. -0.012 min
Lab File: VY019462.D
Acq: 09 Sep 2024 13:34

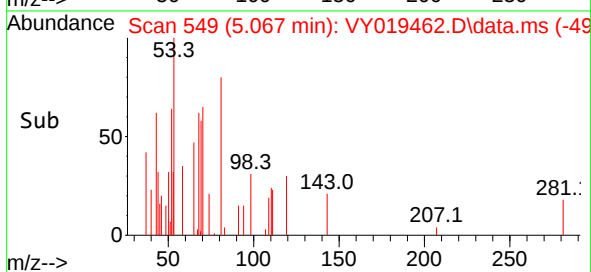
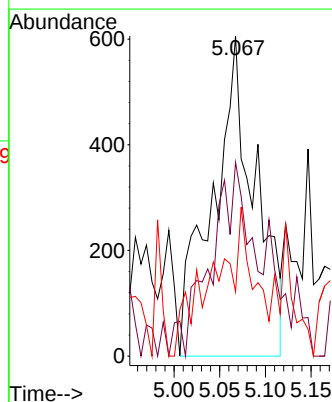
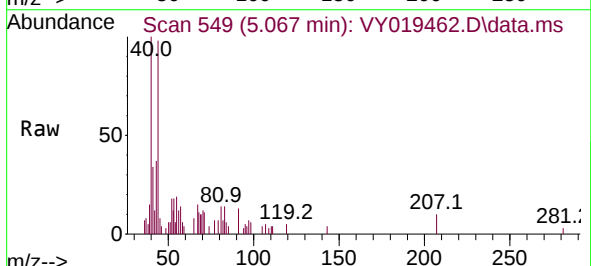
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 56 Resp: 154
Ion Ratio Lower Upper
56 100
55 107.1 55.7 83.5#



#15
Acrylonitrile
Concen: 1.678 ug/l
RT: 5.067 min Scan# 549
Delta R.T. 0.012 min
Lab File: VY019462.D
Acq: 09 Sep 2024 13:34

Tgt Ion: 53 Resp: 1966
Ion Ratio Lower Upper
53 100
52 32.7 64.7 97.1#
51 44.3 28.4 42.6#

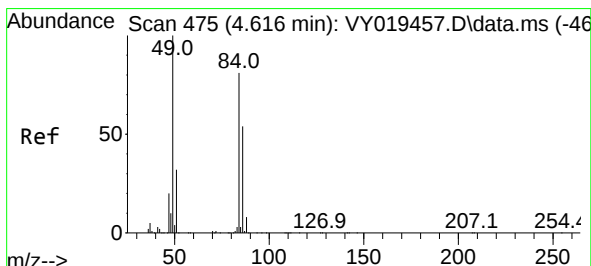
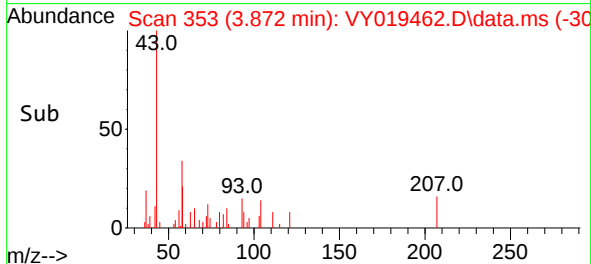
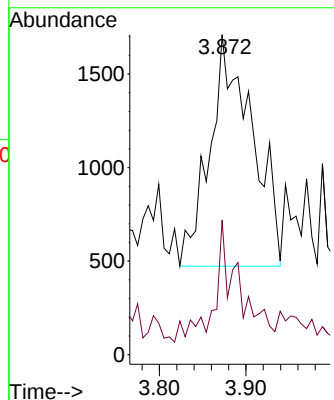
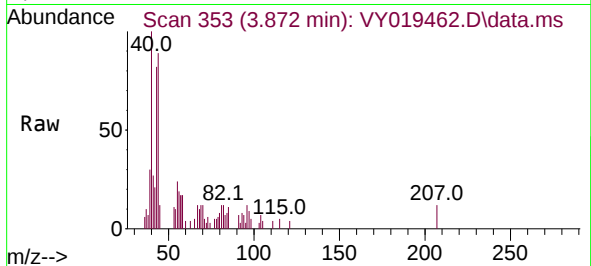




#16
Acetone
Concen: 3.516 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY019462.D
Acq: 09 Sep 2024 13:34

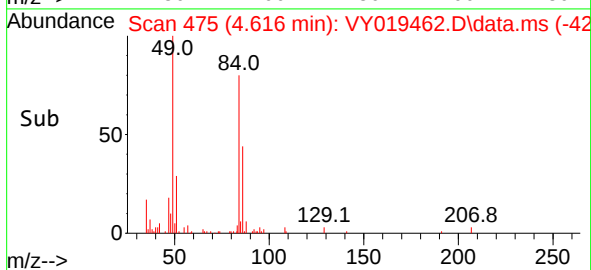
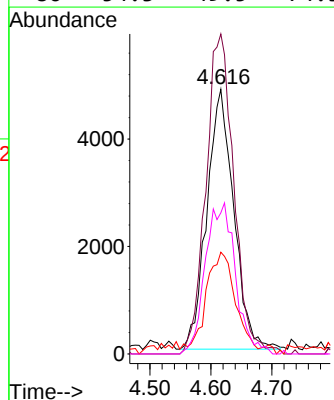
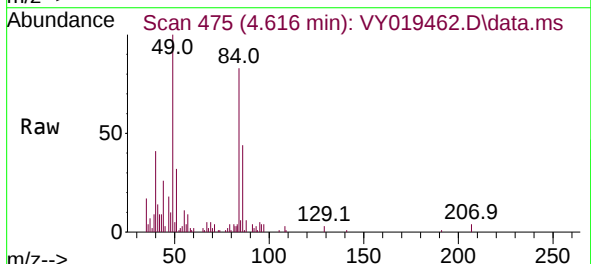
Instrument :
MSVOA_Y
ClientSampleId :

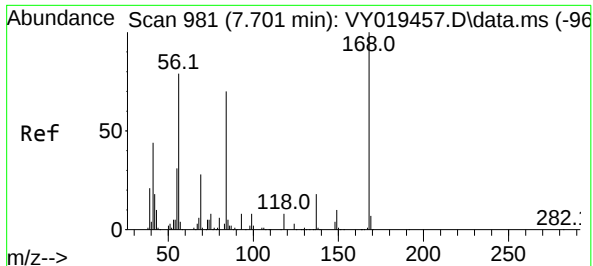
Tgt Ion: 43 Resp: 4210
Ion Ratio Lower Upper
43 100
58 43.5 31.7 47.5



#20
Methylene Chloride
Concen: 2.728 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY019462.D
Acq: 09 Sep 2024 13:34

Tgt Ion: 84 Resp: 14897
Ion Ratio Lower Upper
84 100
49 123.1 84.4 126.6
51 37.7 26.0 39.0
86 54.3 49.5 74.3

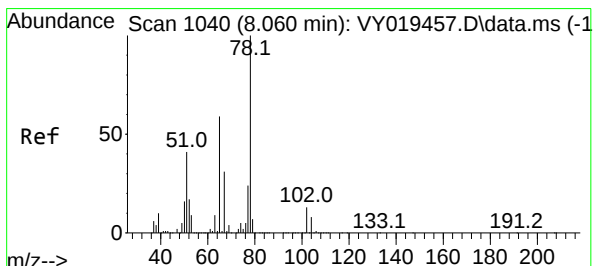
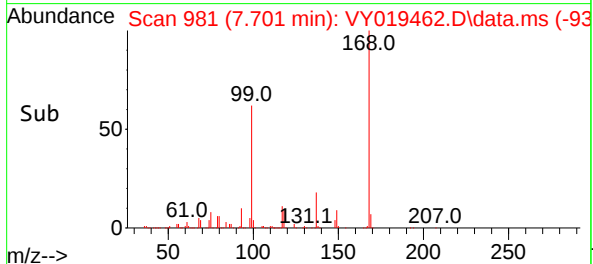
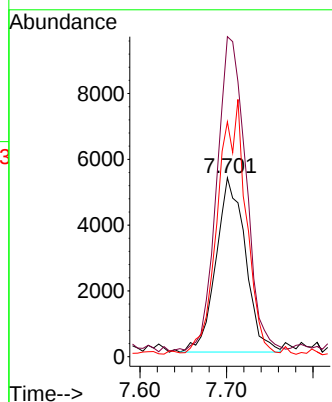
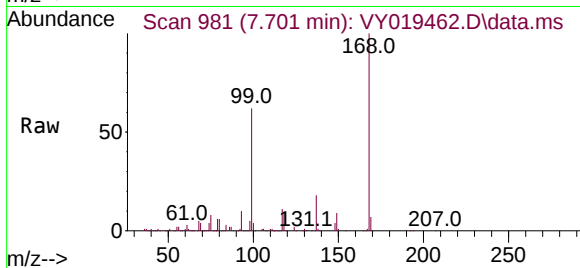




#31
Cyclohexane
Concen: 1.392 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019462.D
Acq: 09 Sep 2024 13:34

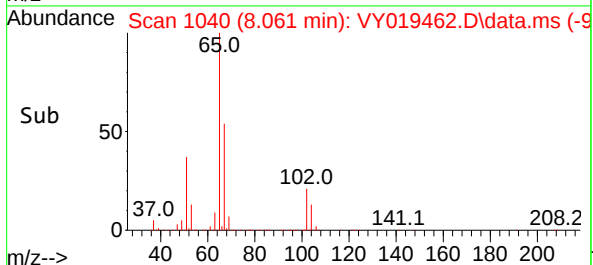
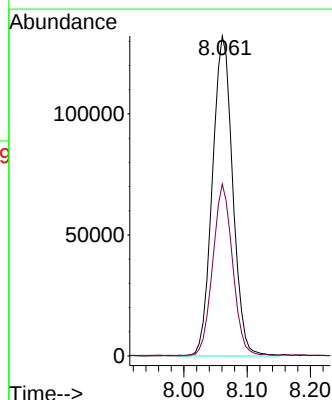
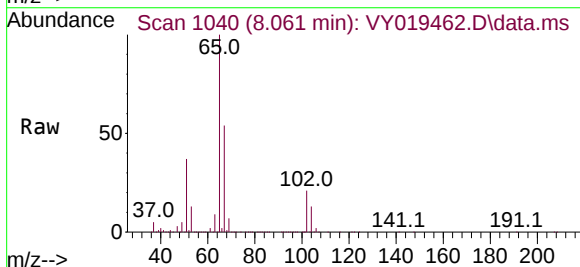
Instrument :
MSVOA_Y
ClientSampleId :

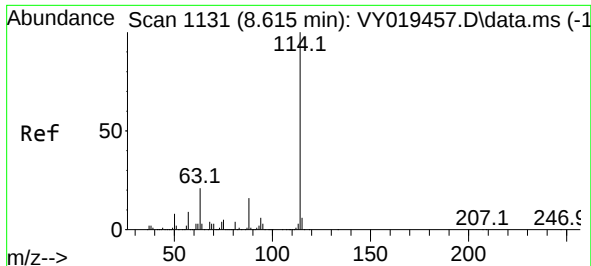
Tgt Ion: 56 Resp: 12521
Ion Ratio Lower Upper
56 100
69 179.2 28.7 43.1#
84 132.6 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 58.626 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019462.D
Acq: 09 Sep 2024 13:34

Tgt Ion: 65 Resp: 294626
Ion Ratio Lower Upper
65 100
67 52.1 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

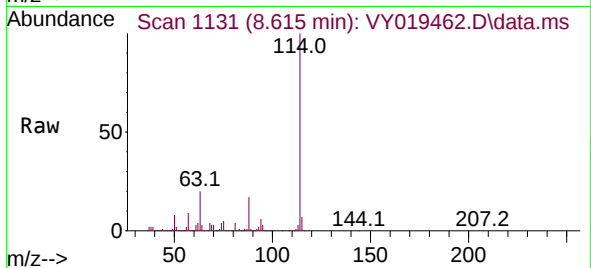
Lab File: VY019462.D

Acq: 09 Sep 2024 13:34

Instrument :

MSVOA_Y

ClientSampleId :



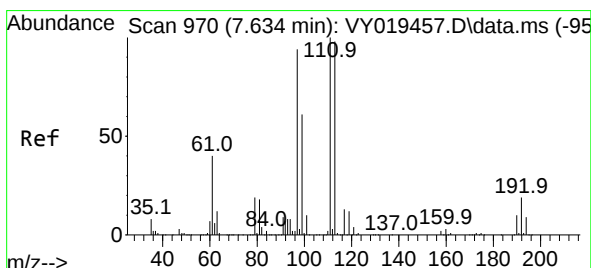
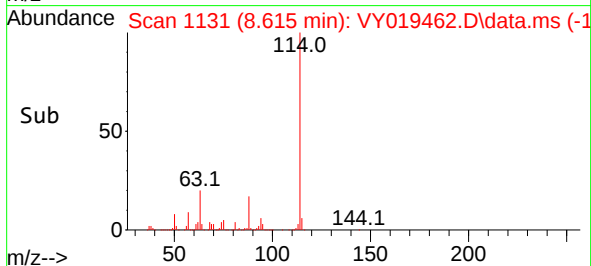
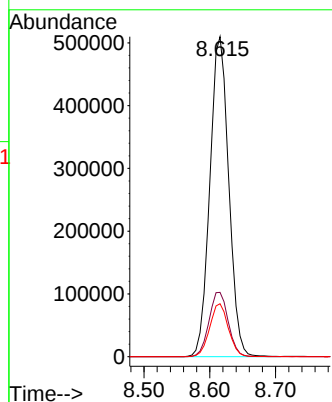
Tgt Ion:114 Resp: 1017746

Ion Ratio Lower Upper

114 100

63 20.1 0.0 35.0

88 16.6 0.0 27.2



#35

Dibromofluoromethane

Concen: 54.035 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY019462.D

Acq: 09 Sep 2024 13:34

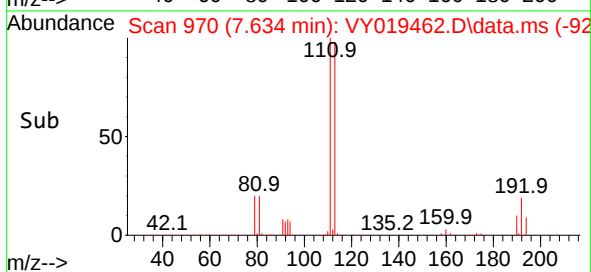
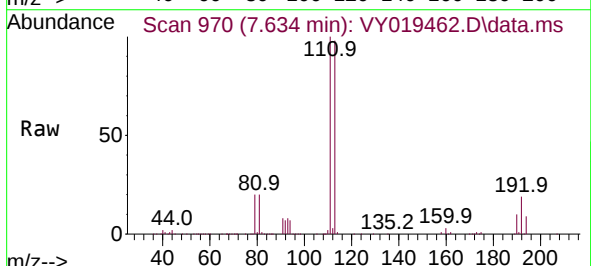
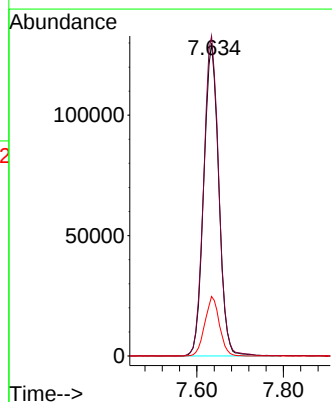
Tgt Ion:113 Resp: 311805

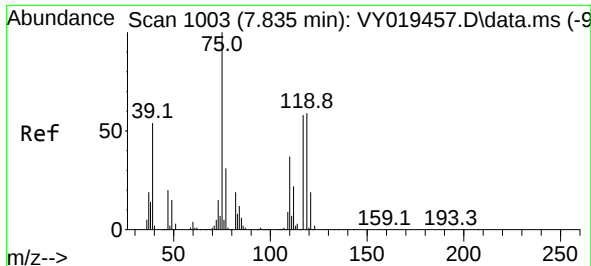
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

192 18.5 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.703 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY019462.D

Acq: 09 Sep 2024 13:34

Instrument :

MSVOA_Y

ClientSampleId :

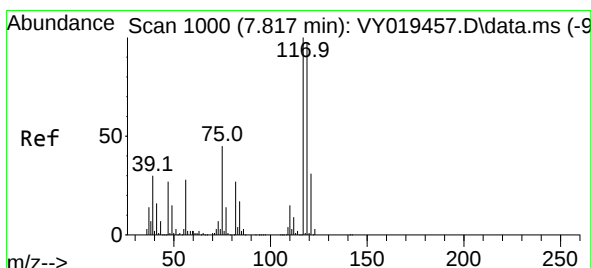
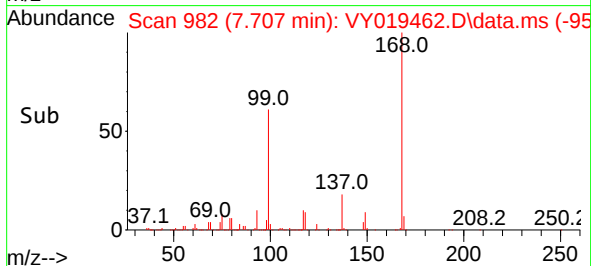
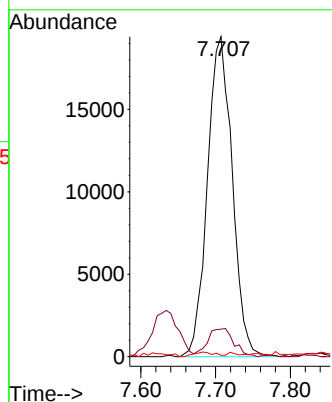
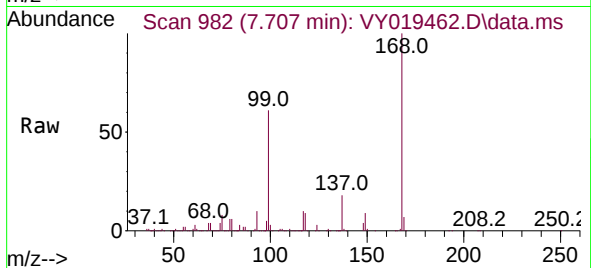
Tgt Ion: 75 Resp: 44781

Ion Ratio Lower Upper

75 100

110 9.3 19.0 57.0#

77 0.5 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.484 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY019462.D

Acq: 09 Sep 2024 13:34

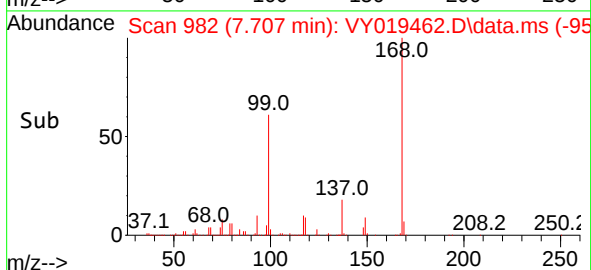
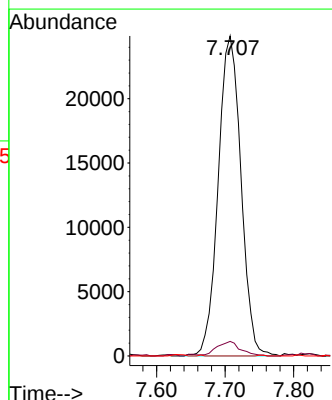
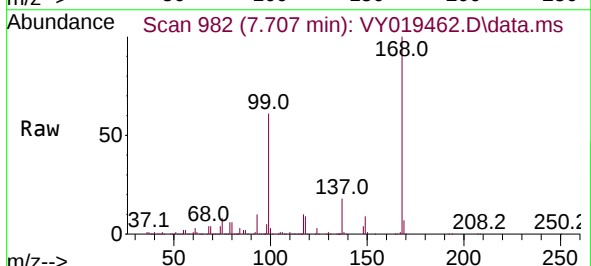
Tgt Ion: 117 Resp: 57410

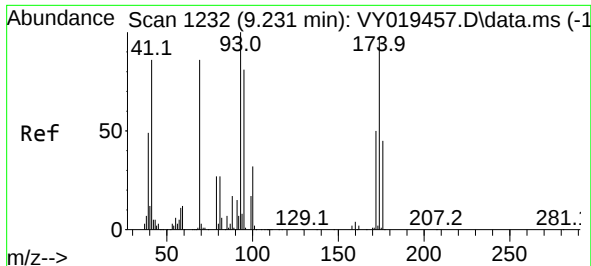
Ion Ratio Lower Upper

117 100

119 4.6 75.8 113.6#

121 0.0 24.0 36.0#

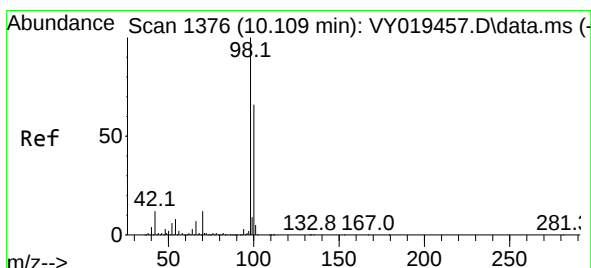
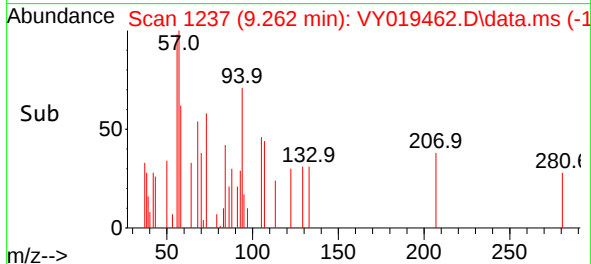
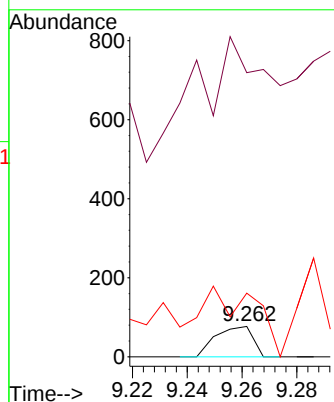
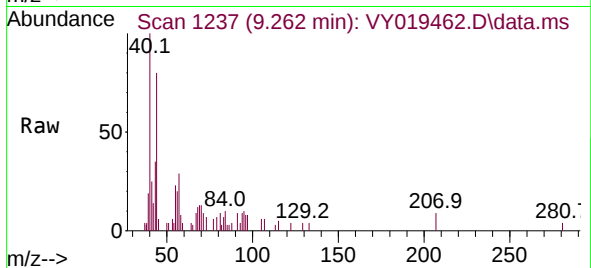




#49
1,4-Dioxane
Concen: 1.892 ug/l
RT: 9.262 min Scan# 11
Delta R.T. 0.031 min
Lab File: VY019462.D
Acq: 09 Sep 2024 13:34

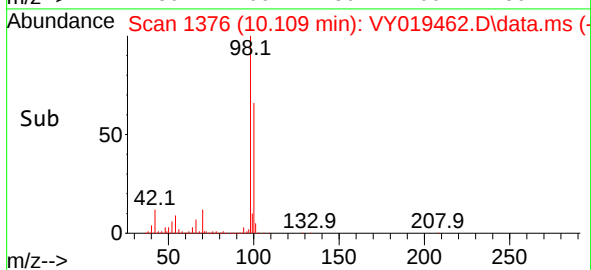
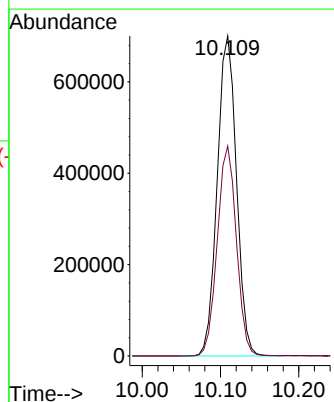
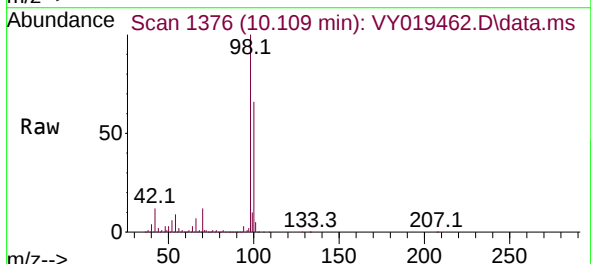
Instrument :
MSVOA_Y
ClientSampleId :

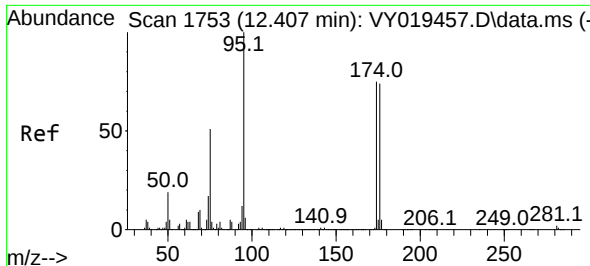
Tgt Ion: 88 Resp: 72
Ion Ratio Lower Upper
88 100
43 800.0 0.0 0.0#
58 340.3 49.3 73.9#



#50
Toluene-d8
Concen: 56.089 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY019462.D
Acq: 09 Sep 2024 13:34

Tgt Ion: 98 Resp: 1197127
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0

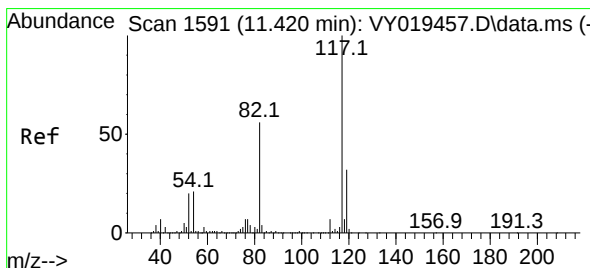
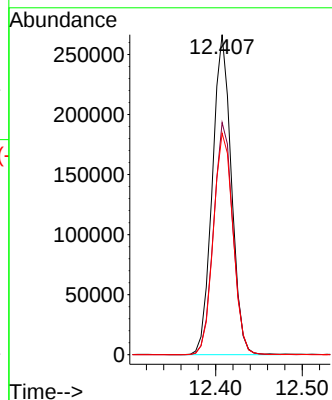
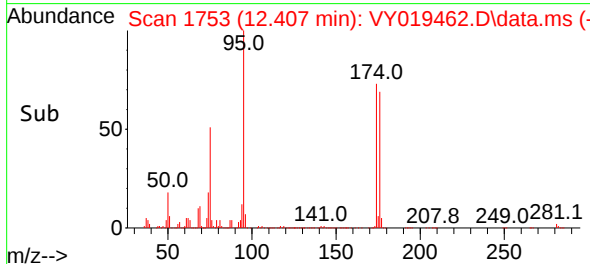
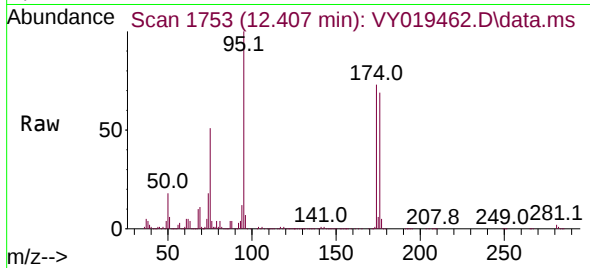




#62
4-Bromofluorobenzene
Concen: 49.462 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019462.D
Acq: 09 Sep 2024 13:34

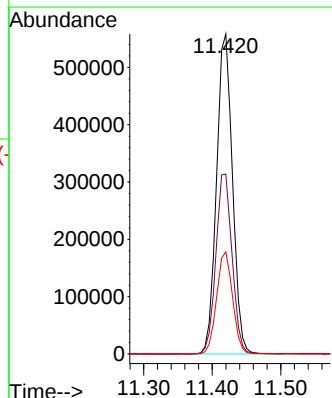
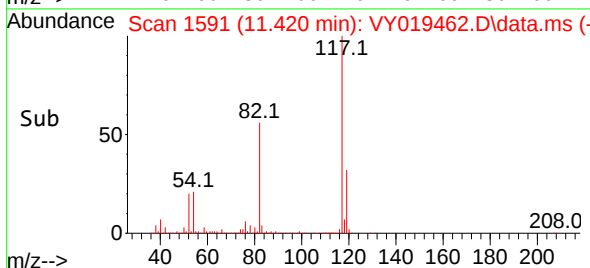
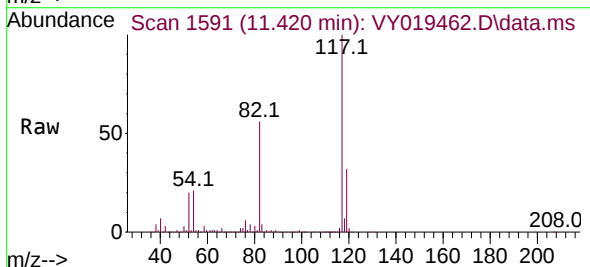
Instrument :
MSVOA_Y
ClientSampleId :

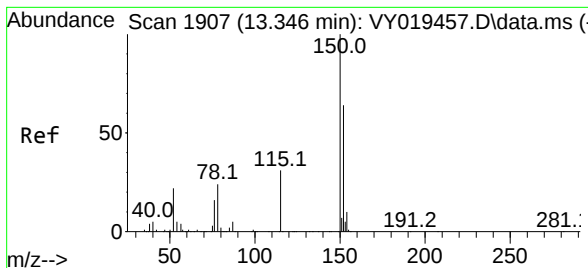
Tgt Ion: 95 Resp: 405919
Ion Ratio Lower Upper
95 100
174 73.5 0.0 175.6
176 71.6 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY019462.D
Acq: 09 Sep 2024 13:34

Tgt Ion: 117 Resp: 901124
Ion Ratio Lower Upper
117 100
82 56.1 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: VY019462.D

Acq: 09 Sep 2024 13:34

Instrument :

MSVOA_Y

ClientSampleId :

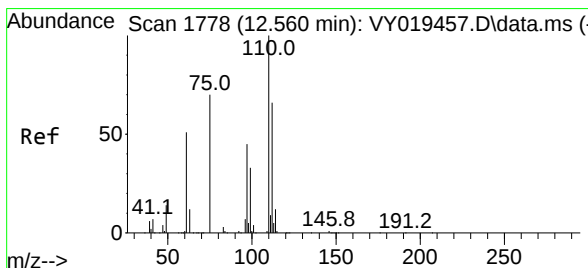
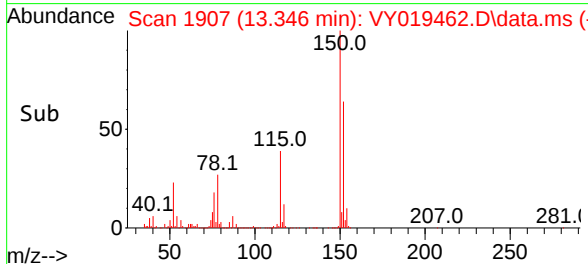
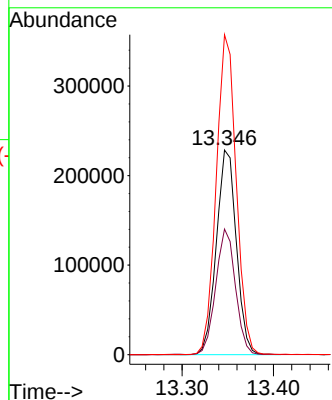
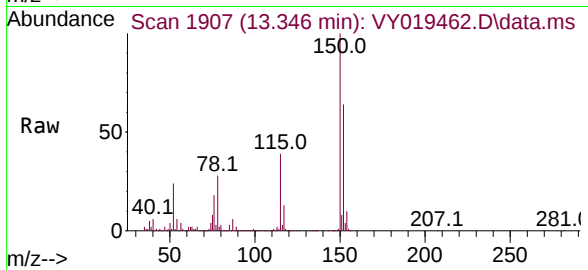
Tgt Ion:152 Resp: 347599

Ion Ratio Lower Upper

152 100

115 60.2 28.2 84.7

150 156.0 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 63.862 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019462.D

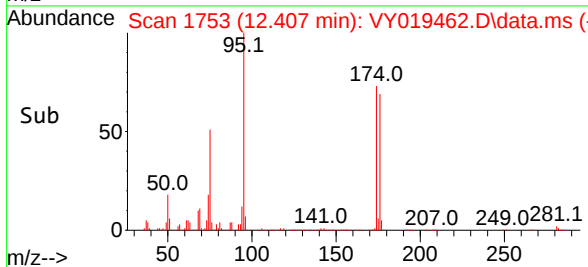
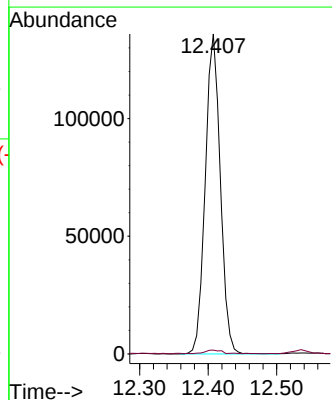
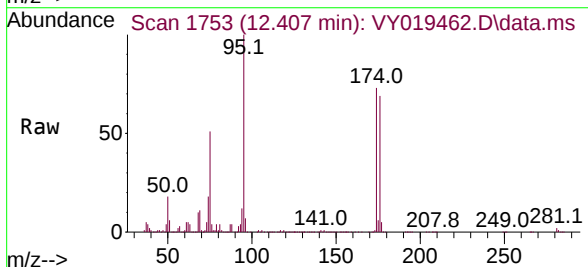
Acq: 09 Sep 2024 13:34

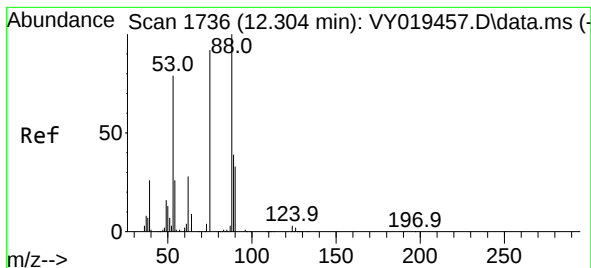
Tgt Ion: 75 Resp: 208063

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

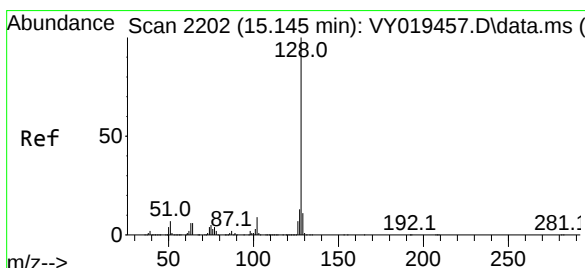
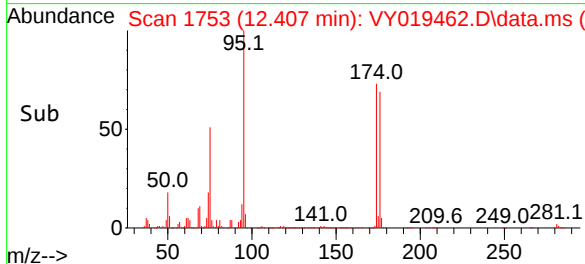
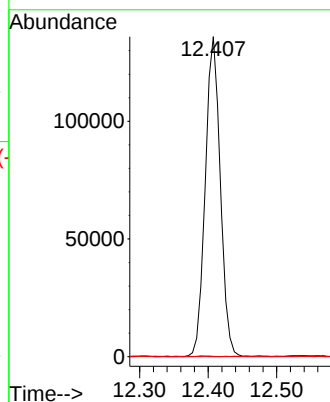
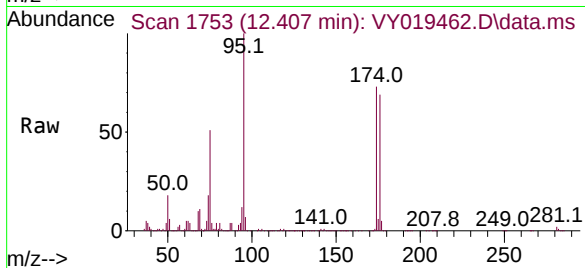




#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.596 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY019462.D
 Acq: 09 Sep 2024 13:34

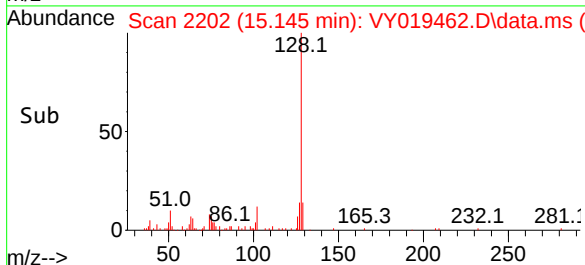
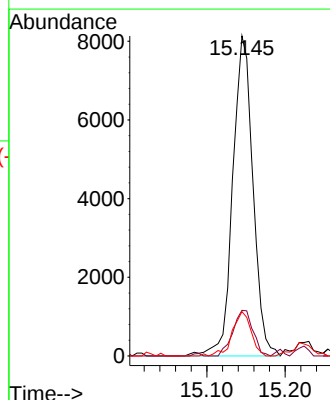
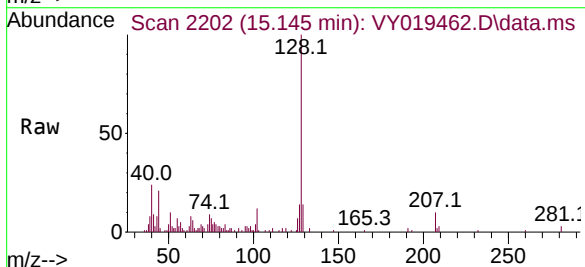
Instrument :
 MSVOA_Y
 ClientSampleId :

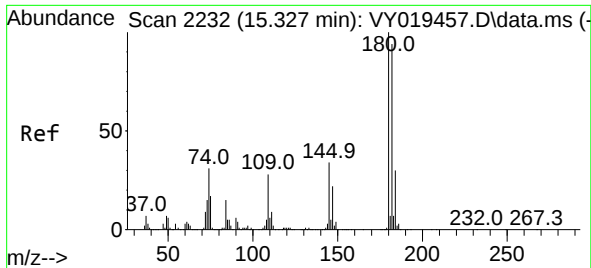
Tgt Ion: 75 Resp: 208063
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.8 100.2#
 89 0.0 35.8 53.6#



#95
 Naphthalene
 Concen: 1.235 ug/l
 RT: 15.145 min Scan# 2202
 Delta R.T. 0.000 min
 Lab File: VY019462.D
 Acq: 09 Sep 2024 13:34

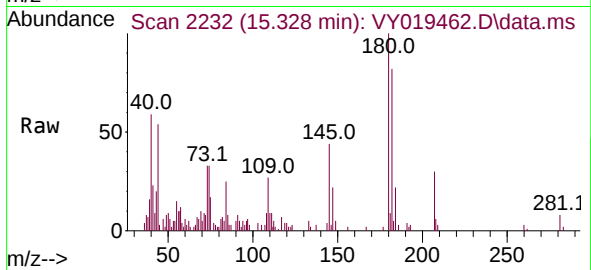
Tgt Ion: 128 Resp: 14586
 Ion Ratio Lower Upper
 128 100
 127 14.1 10.6 16.0
 129 12.8 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.082 ug/l
 RT: 15.328 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY019462.D
 Acq: 09 Sep 2024 13:34

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	180	Resp:	5458
Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.6	142.9
145	38.7	15.4	46.1

