

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091824\
 Data File : VY019610.D
 Acq On : 18 Sep 2024 16:54
 Operator : SY/MD
 Sample : P4087-15
 Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 19 01:26:39 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)

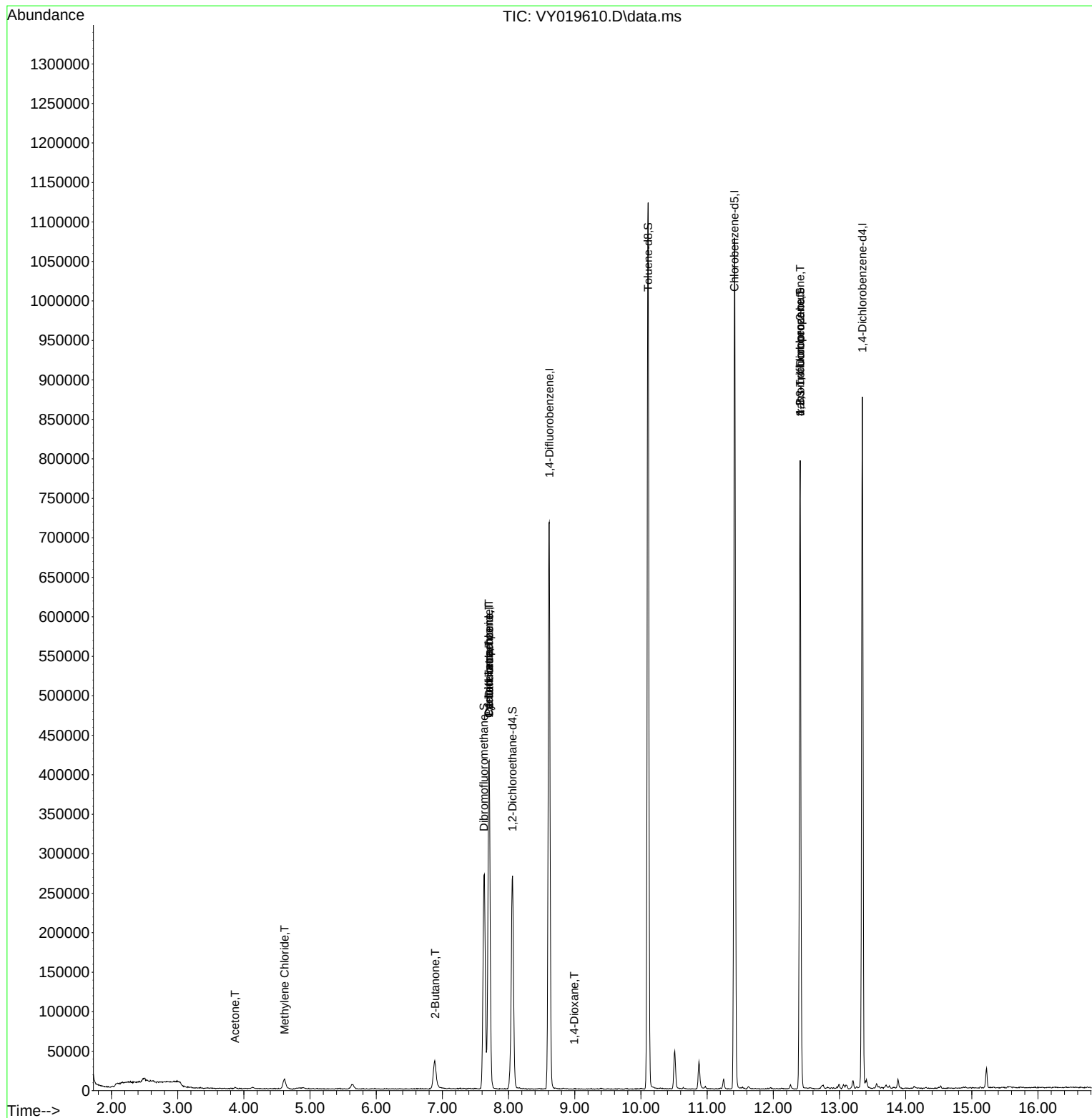
Internal Standards						
1) Pentafluorobenzene	7.707	168	309889	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	614109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	554055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	205703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	205142	71.490	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 142.980%	
35) Dibromofluoromethane	7.628	113	198004	56.867	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.740%	
50) Toluene-d8	10.109	98	729188	56.620	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.240%	
62) 4-Bromofluorobenzene	12.407	95	240175	48.501	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 97.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.848	85	43	Below Cal	#	43
13) Acrolein	3.659	56	23	Below Cal	#	1
16) Acetone	3.866	43	1408	2.060	ug/l #	76
20) Methylene Chloride	4.616	84	9345	2.997	ug/l	95
25) 2-Butanone	6.890	43	2758	2.837	ug/l #	59
31) Cyclohexane	7.701	56	7707	1.501	ug/l #	41
36) 1,1-Dichloropropene	7.701	75	28148	5.941	ug/l #	47
38) Carbon Tetrachloride	7.701	117	33078	6.191	ug/l #	16
49) 1,4-Dioxane	8.993	88	27	1.176	ug/l #	20
76) 1,2,3-Trichloropropane	12.407	75	130879	67.882	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	130879	130.314	ug/l #	16

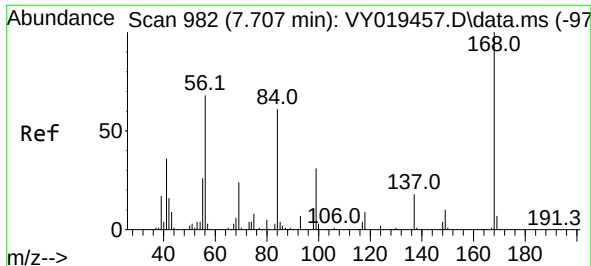
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 19 01:26:39 2024
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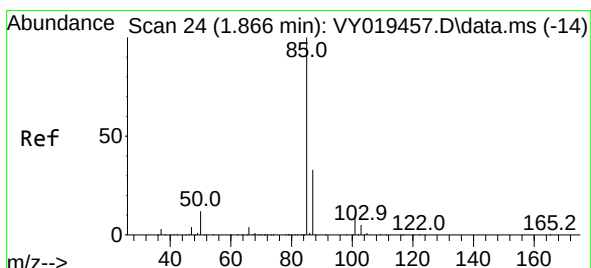
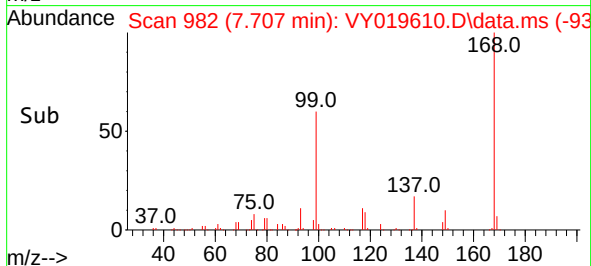
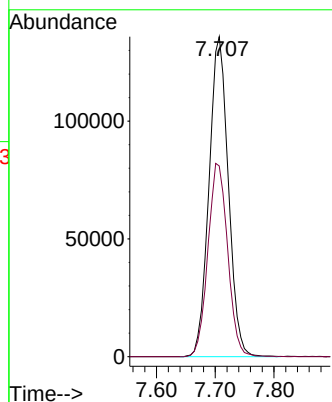
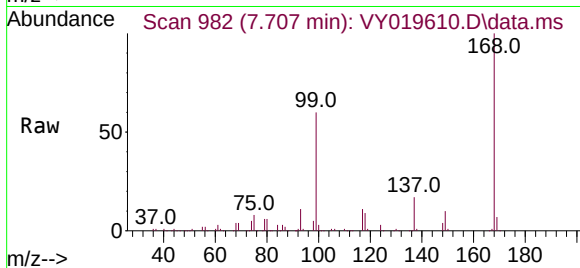




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY019610.D
Acq: 18 Sep 2024 16:54

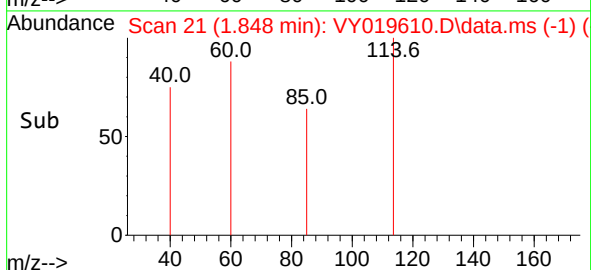
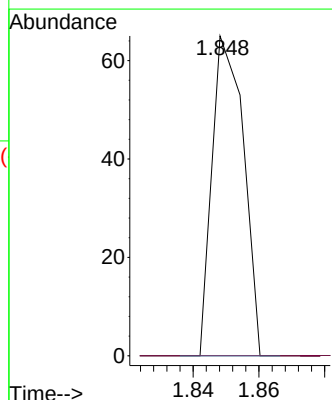
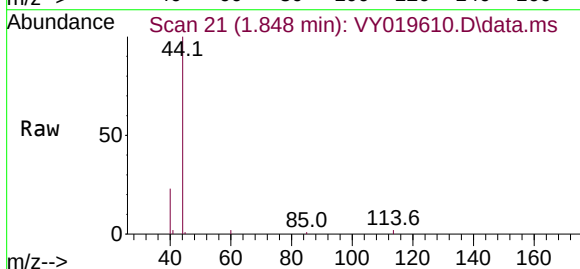
Instrument :
MSVOA_Y
ClientSampleId :

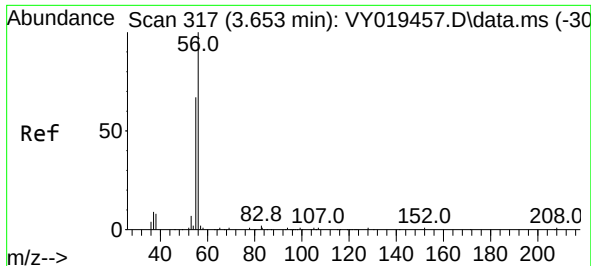
Tgt Ion:168 Resp: 309889
Ion Ratio Lower Upper
168 100
99 59.6 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.848 min Scan# 21
Delta R.T. -0.018 min
Lab File: VY019610.D
Acq: 18 Sep 2024 16:54

Tgt Ion: 85 Resp: 43
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#

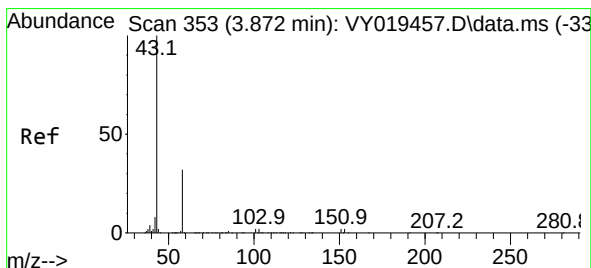
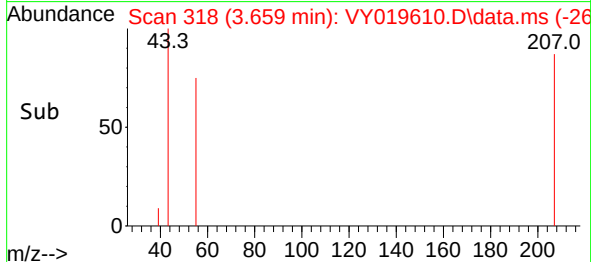
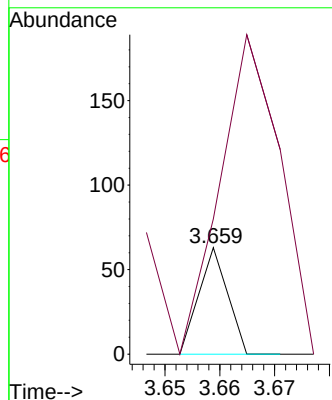
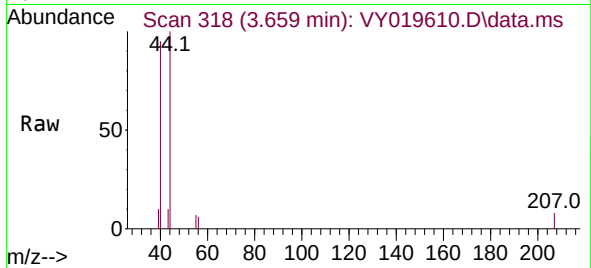




#13
Acrolein
Concen: Below Cal
RT: 3.659 min Scan# 317
Delta R.T. 0.006 min
Lab File: VY019610.D
Acq: 18 Sep 2024 16:54

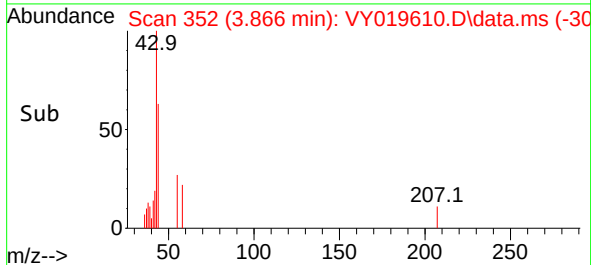
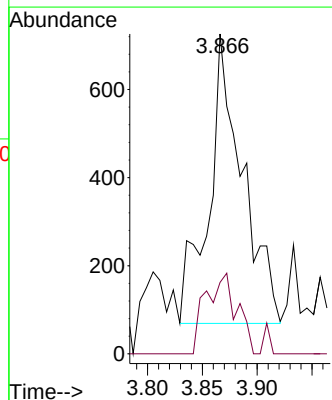
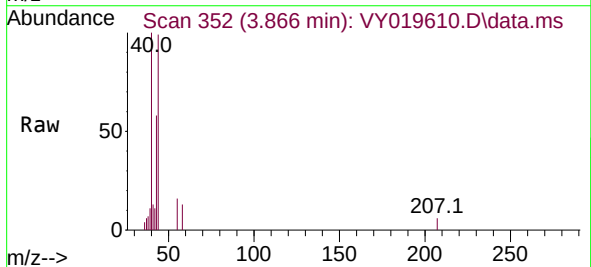
Instrument :
MSVOA_Y
ClientSampleId :

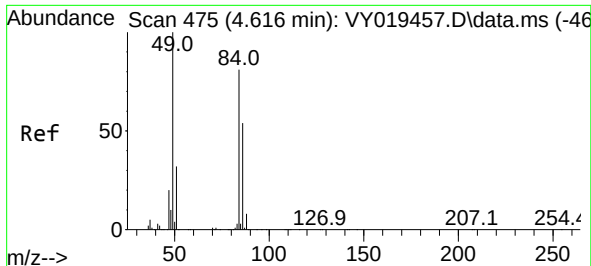
Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 621.7 55.7 83.5#



#16
Acetone
Concen: 2.060 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY019610.D
Acq: 18 Sep 2024 16:54

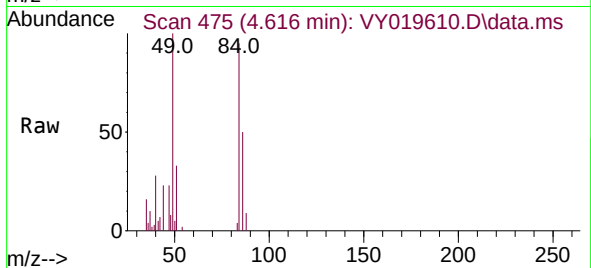
Tgt Ion: 43 Resp: 1408
Ion Ratio Lower Upper
43 100
58 24.7 31.7 47.5#



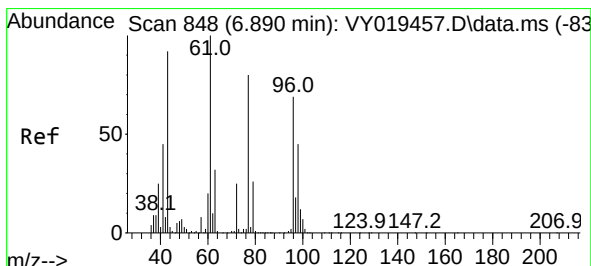
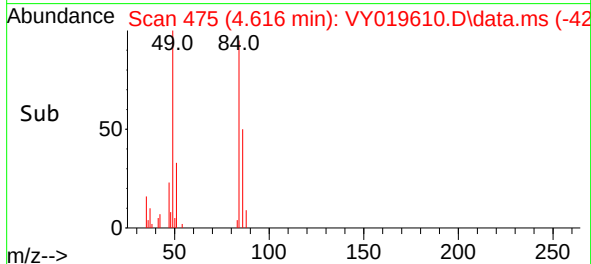
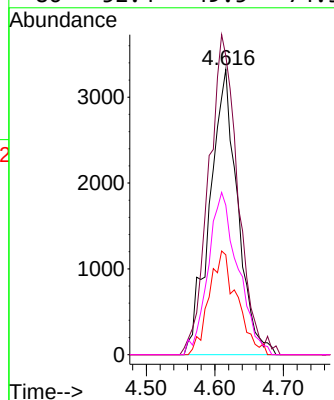


#20
Methylene Chloride
Concen: 2.997 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY019610.D
Acq: 18 Sep 2024 16:54

Instrument :
MSVOA_Y
ClientSampleId :

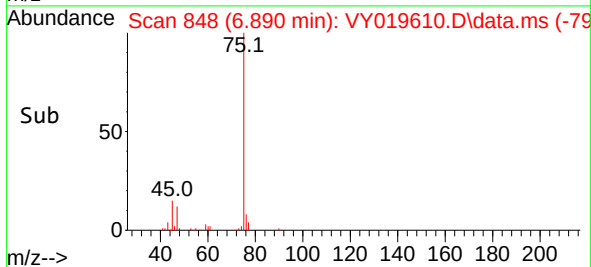
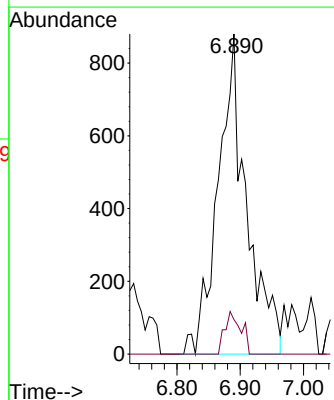
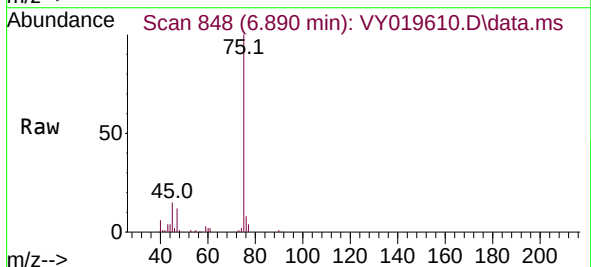


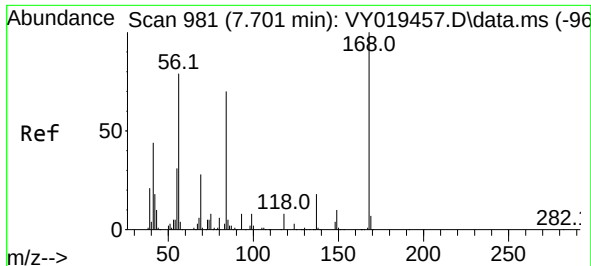
Tgt Ion:	84	Resp:	9345
Ion	Ratio	Lower	Upper
84	100		
49	104.8	84.4	126.6
51	35.0	26.0	39.0
86	52.4	49.5	74.3



#25
2-Butanone
Concen: 2.837 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY019610.D
Acq: 18 Sep 2024 16:54

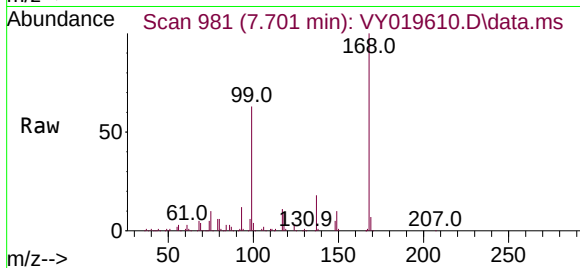
Tgt Ion:	43	Resp:	2758
Ion	Ratio	Lower	Upper
43	100		
72	10.8	27.3	40.9



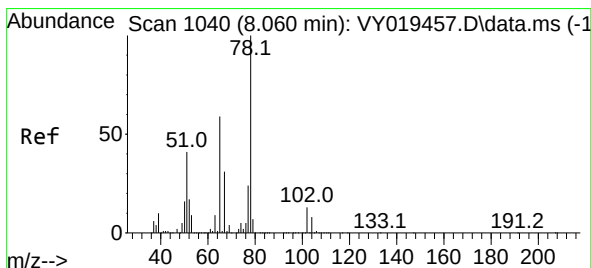
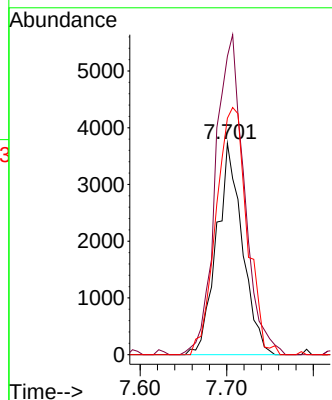
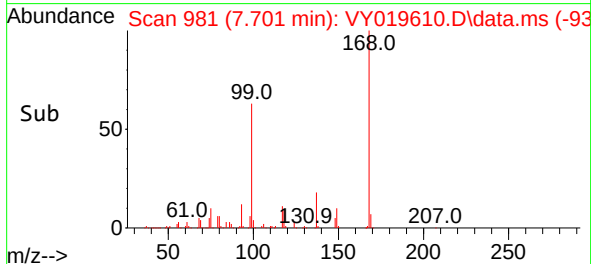


#31
Cyclohexane
Concen: 1.501 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY019610.D
Acq: 18 Sep 2024 16:54

Instrument :
MSVOA_Y
ClientSampleId :

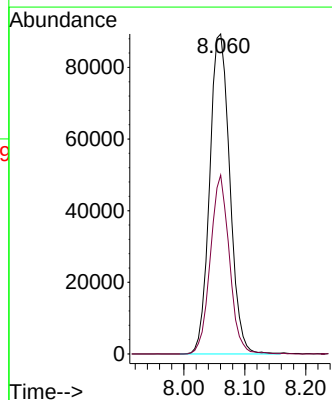
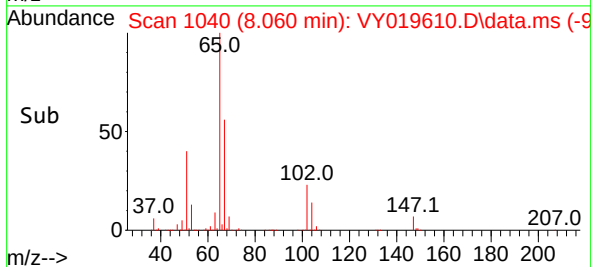
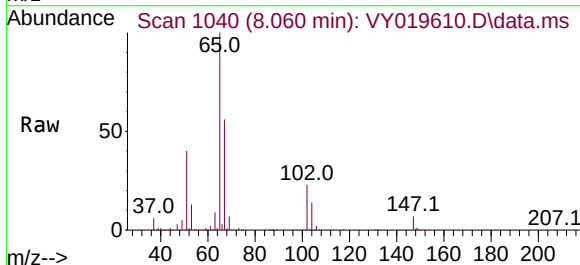


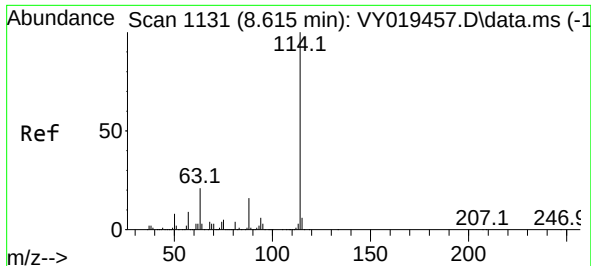
Tgt Ion: 56 Resp: 7707
Ion Ratio Lower Upper
56 100
69 141.2 28.7 43.1#
84 111.9 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 71.490 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY019610.D
Acq: 18 Sep 2024 16:54

Tgt Ion: 65 Resp: 205142
Ion Ratio Lower Upper
65 100
67 52.7 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

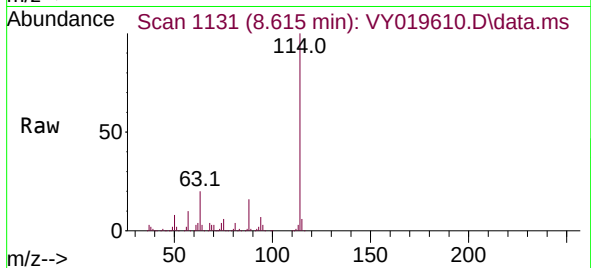
Lab File: VY019610.D

Acq: 18 Sep 2024 16:54

Instrument :

MSVOA_Y

ClientSampleId :



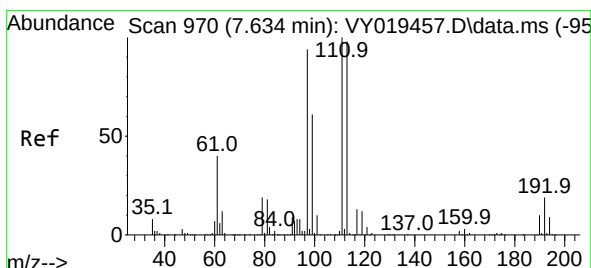
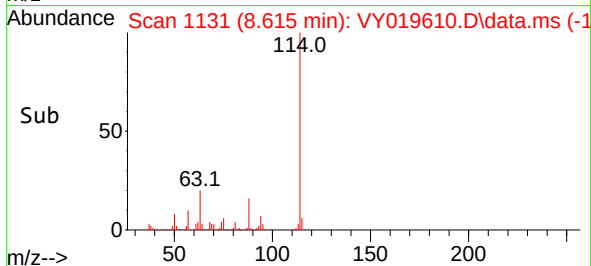
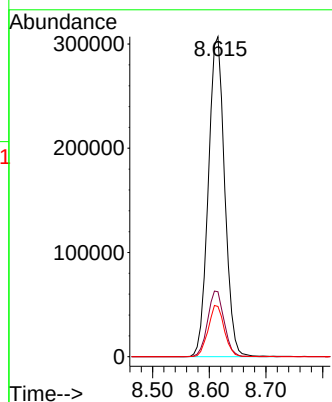
Tgt Ion:114 Resp: 614109

Ion Ratio Lower Upper

114 100

63 20.3 0.0 35.0

88 15.7 0.0 27.2



#35

Dibromofluoromethane

Concen: 56.867 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY019610.D

Acq: 18 Sep 2024 16:54

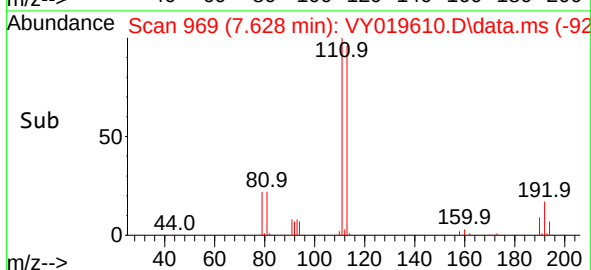
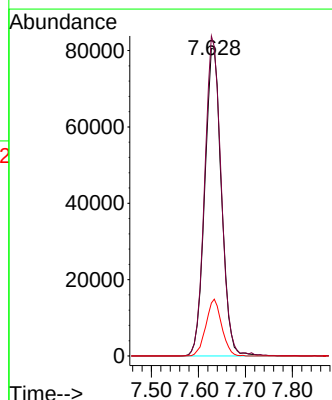
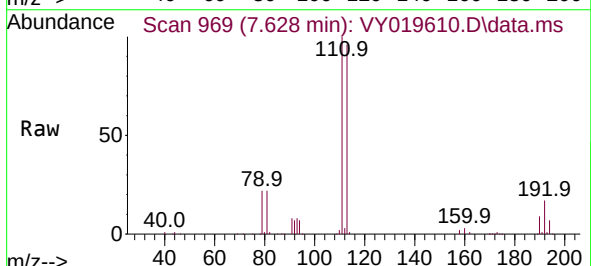
Tgt Ion:113 Resp: 198004

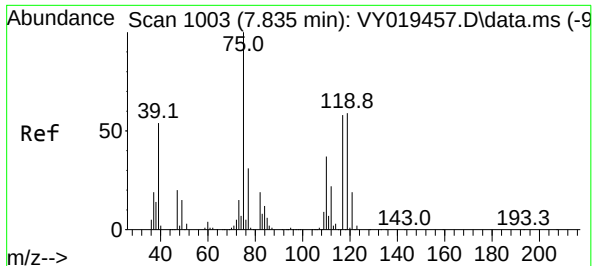
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

192 17.5 15.9 23.9

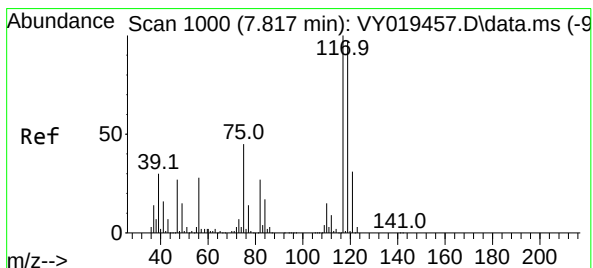
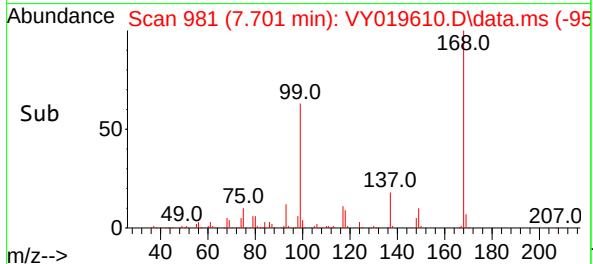
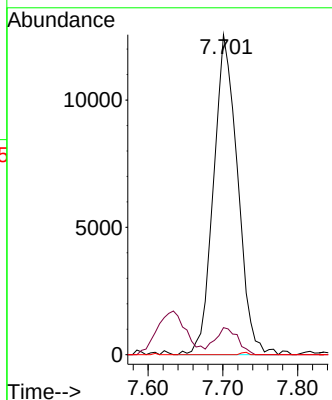
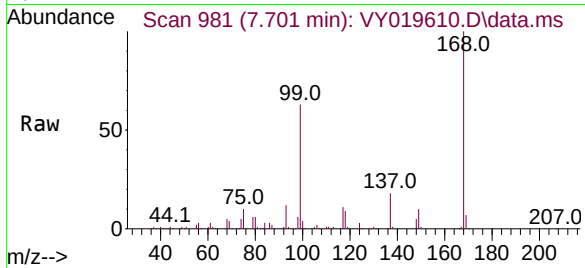




#36
1,1-Dichloropropene
Concen: 5.941 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY019610.D
Acq: 18 Sep 2024 16:54

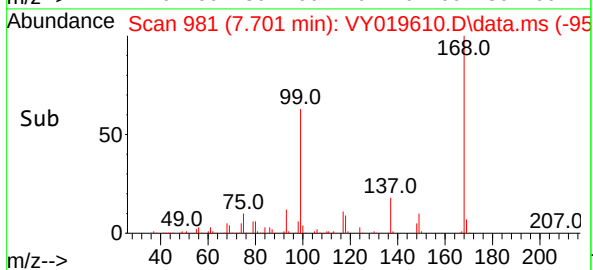
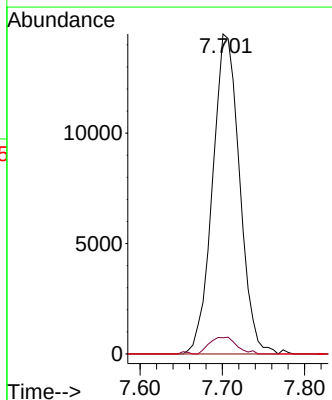
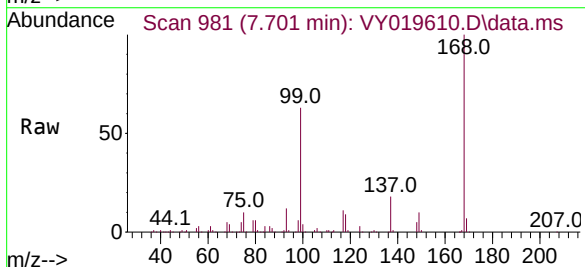
Instrument :
MSVOA_Y
ClientSampleId :

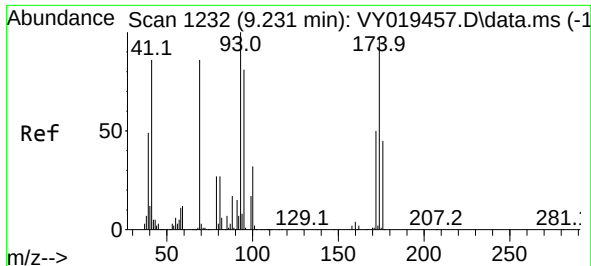
Tgt Ion: 75 Resp: 28148
Ion Ratio Lower Upper
75 100
110 7.9 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.191 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.116 min
Lab File: VY019610.D
Acq: 18 Sep 2024 16:54

Tgt Ion: 117 Resp: 33078
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.6#
121 0.0 24.0 36.0#

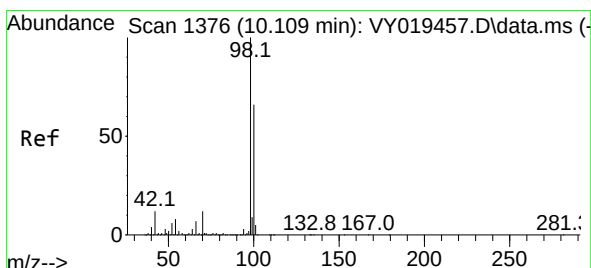
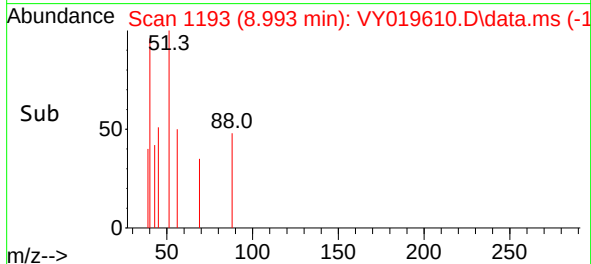
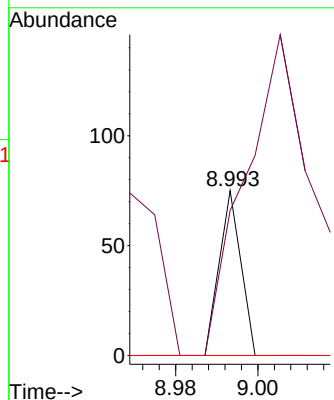
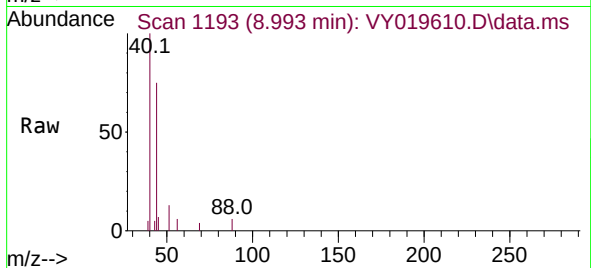




#49
1,4-Dioxane
Concen: 1.176 ug/l
RT: 8.993 min Scan# 1193
Delta R.T. -0.238 min
Lab File: VY019610.D
Acq: 18 Sep 2024 16:54

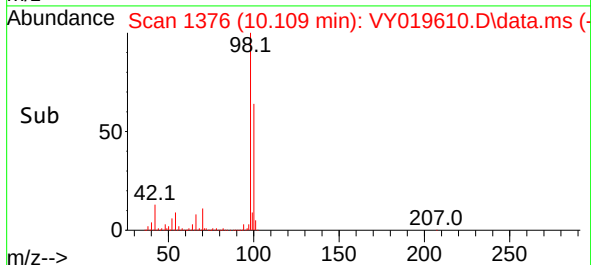
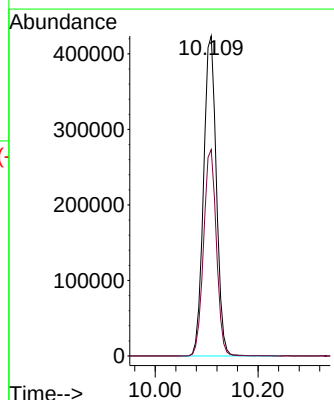
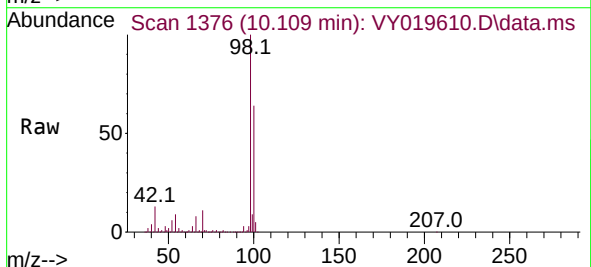
Instrument :
MSVOA_Y
ClientSampleId :

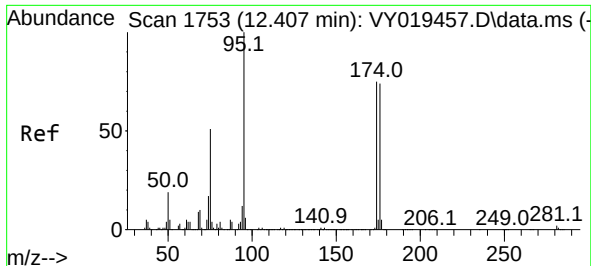
Tgt Ion: 88 Resp: 27
Ion Ratio Lower Upper
88 100
43 600.0 0.0 0.0#
58 0.0 49.3 73.9#



#50
Toluene-d8
Concen: 56.620 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY019610.D
Acq: 18 Sep 2024 16:54

Tgt Ion: 98 Resp: 729188
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0

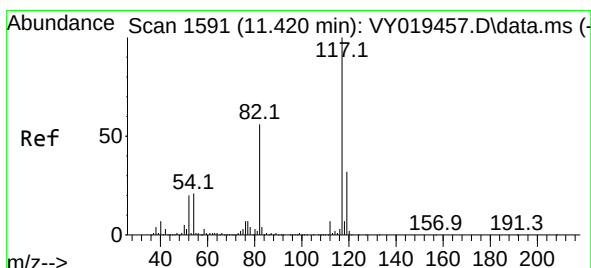
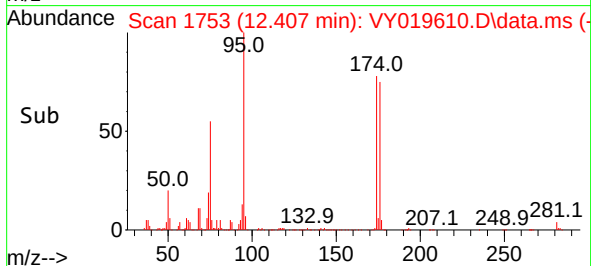
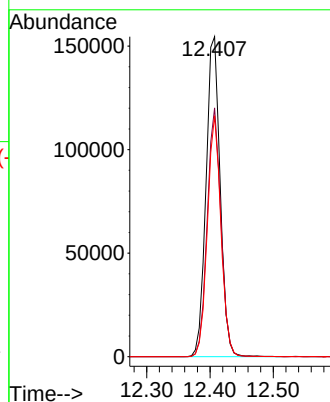
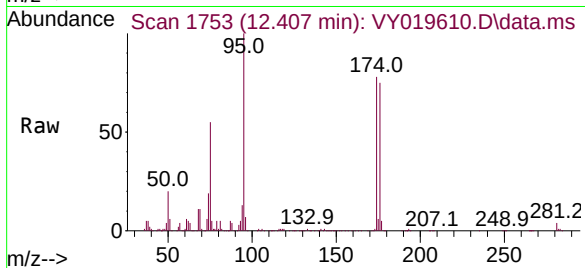




#62
4-Bromofluorobenzene
Concen: 48.501 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY019610.D
Acq: 18 Sep 2024 16:54

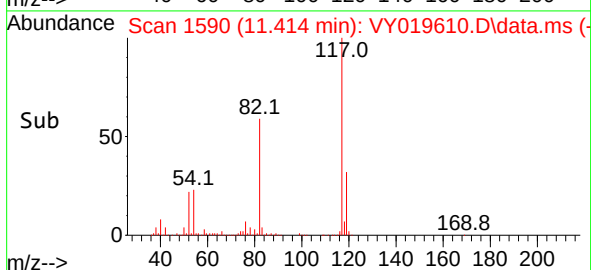
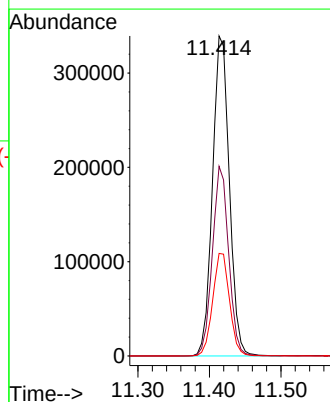
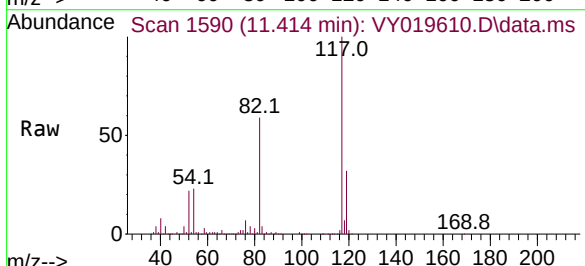
Instrument :
MSVOA_Y
ClientSampleId :

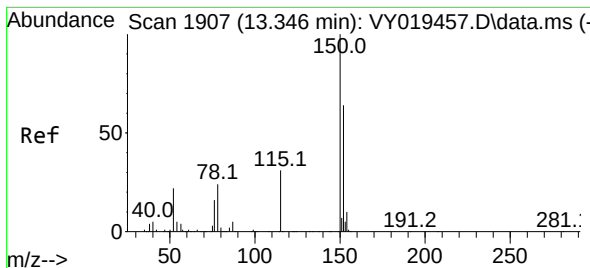
Tgt Ion: 95 Resp: 240175
Ion Ratio Lower Upper
95 100
174 75.7 0.0 175.6
176 72.2 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019610.D
Acq: 18 Sep 2024 16:54

Tgt Ion: 117 Resp: 554055
Ion Ratio Lower Upper
117 100
82 59.2 42.4 63.6
119 32.1 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: VY019610.D

Acq: 18 Sep 2024 16:54

Instrument :

MSVOA_Y

ClientSampleId :

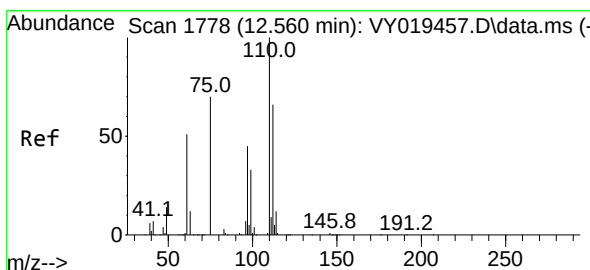
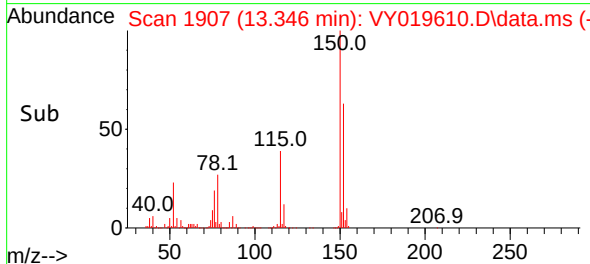
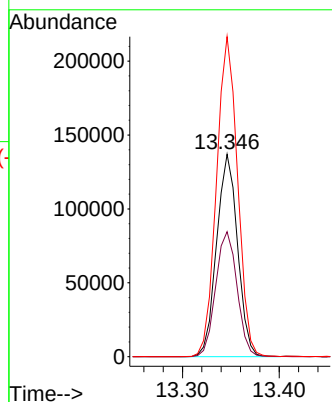
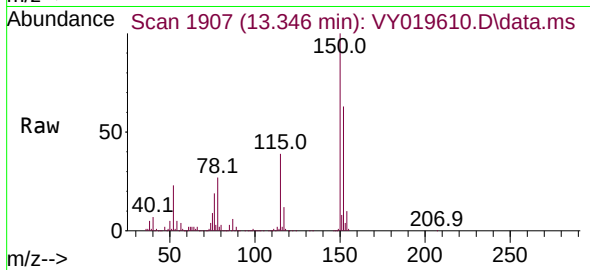
Tgt Ion:152 Resp: 205703

Ion Ratio Lower Upper

152 100

115 63.0 28.2 84.7

150 159.0 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 67.882 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019610.D

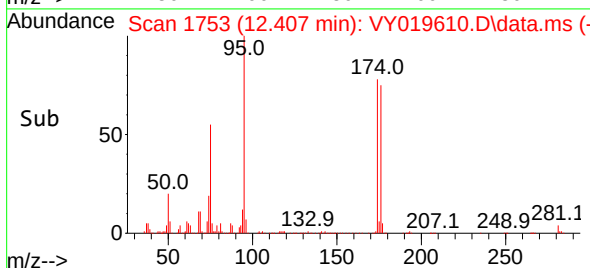
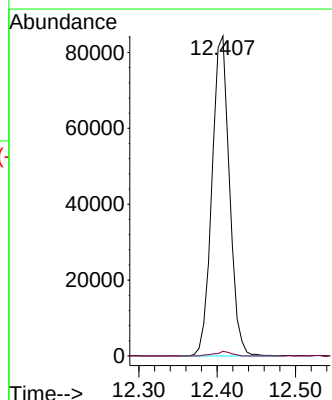
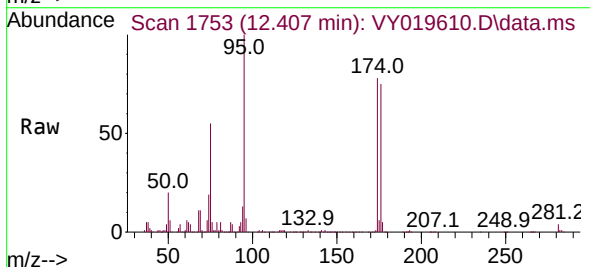
Acq: 18 Sep 2024 16:54

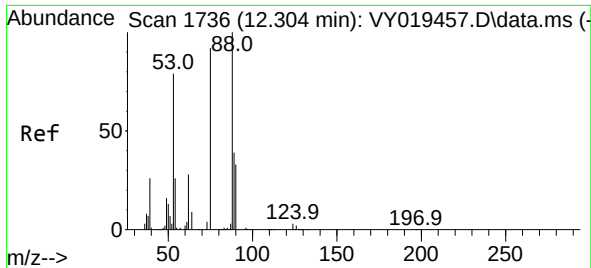
Tgt Ion: 75 Resp: 130879

Ion Ratio Lower Upper

75 100

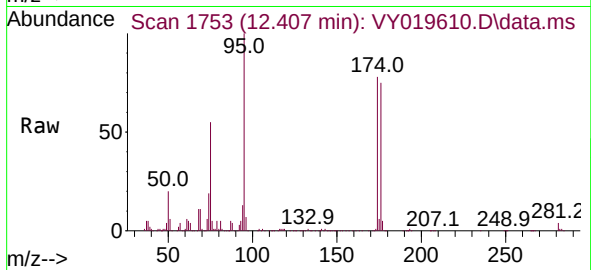
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.314 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY019610.D
 Acq: 18 Sep 2024 16:54

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 130879

Ion	Ratio	Lower	Upper
75	100		
53	0.1	66.8	100.2#
89	0.2	35.8	53.6#

