

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091724\
 Data File : VY019581.D
 Acq On : 17 Sep 2024 13:28
 Operator : SY/MD
 Sample : P4023-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 18 01:32:12 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)

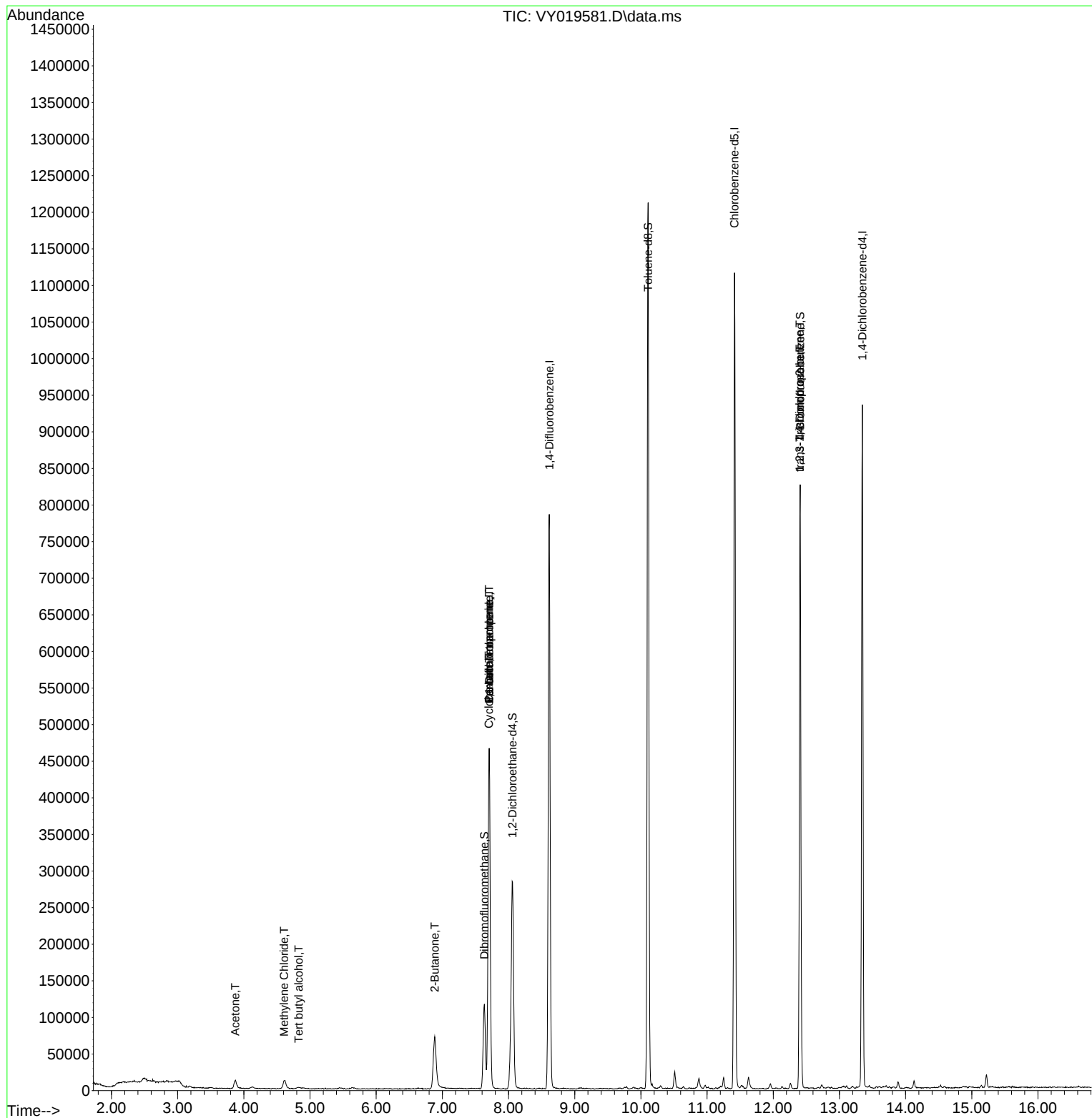
Internal Standards						
1) Pentafluorobenzene	7.707	168	343770	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	660806	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	581598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	218985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	203031	63.781	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.560%	
35) Dibromofluoromethane	7.634	113	82252	21.953	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 43.900%#	
50) Toluene-d8	10.109	98	786651	56.765	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.540%	
62) 4-Bromofluorobenzene	12.408	95	255762	47.999	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 96.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	54	Below Cal	#	43
11) Tert butyl alcohol	4.830	59	1532	5.959	ug/l	# 95
13) Acrolein	3.678	56	263	Below Cal	#	53
16) Acetone	3.873	43	21840	28.799	ug/l	# 81
20) Methylene Chloride	4.610	84	8279	2.394	ug/l	97
25) 2-Butanone	6.884	43	7571	7.019	ug/l	# 70
31) Cyclohexane	7.701	56	8345	1.465	ug/l	# 22
36) 1,1-Dichloropropene	7.707	75	30514	5.985	ug/l	# 48
38) Carbon Tetrachloride	7.707	117	37510	6.525	ug/l	# 16
76) 1,2,3-Trichloropropane	12.402	75	139512	67.971	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.402	75	139512	130.484	ug/l	# 16

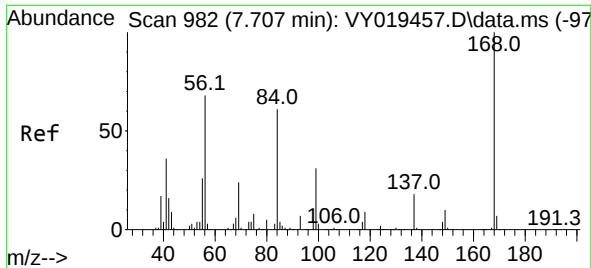
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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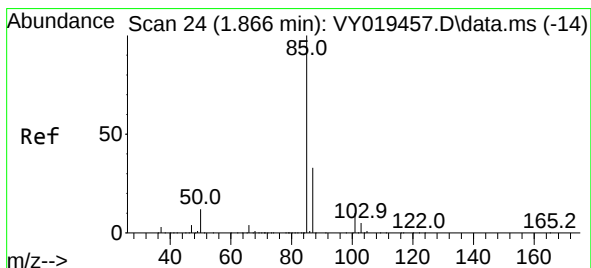
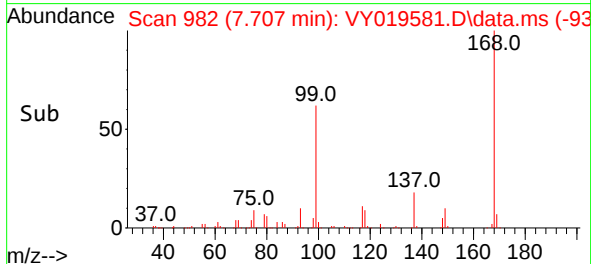
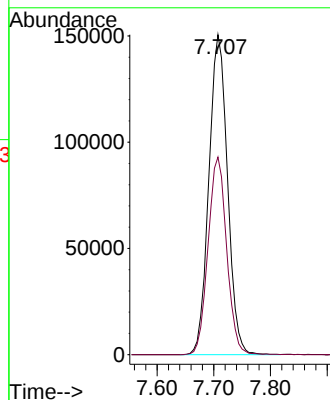
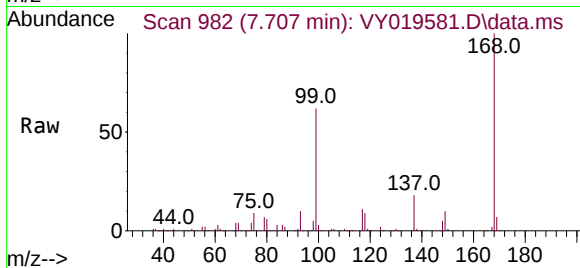




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019581.D
Acq: 17 Sep 2024 13:28

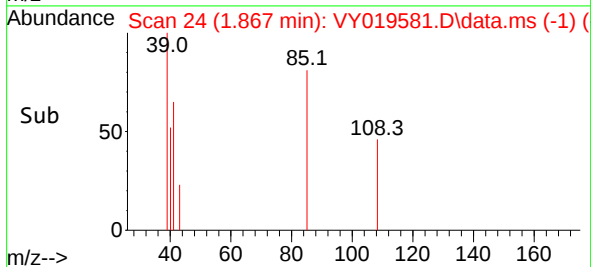
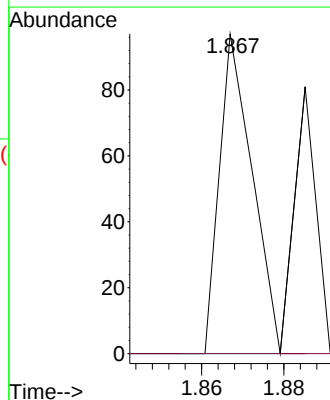
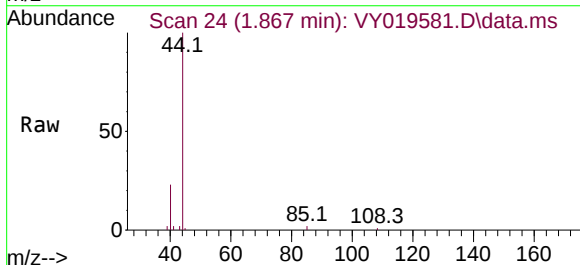
Instrument :
MSVOA_Y
ClientSampleId :

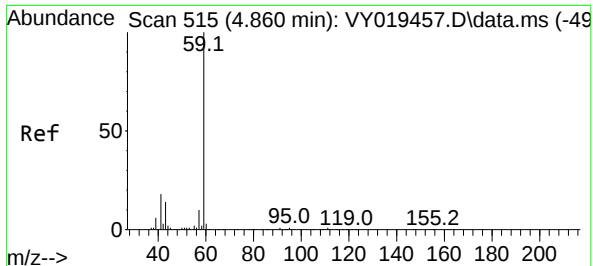
Tgt Ion:168 Resp: 343770
Ion Ratio Lower Upper
168 100
99 61.8 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY019581.D
Acq: 17 Sep 2024 13:28

Tgt Ion: 85 Resp: 54
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#

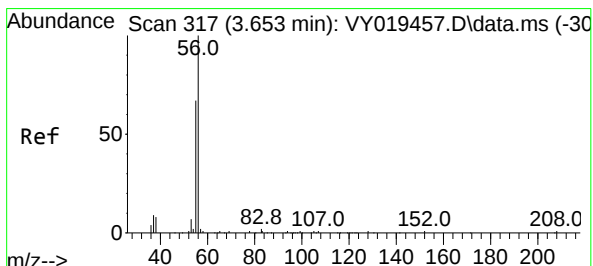
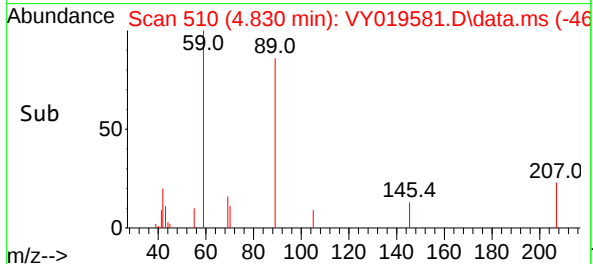
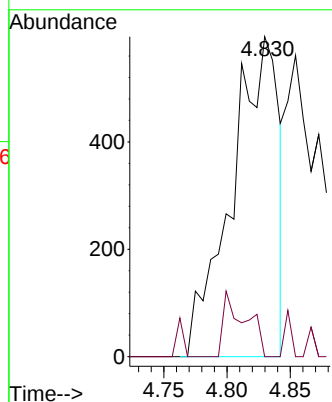
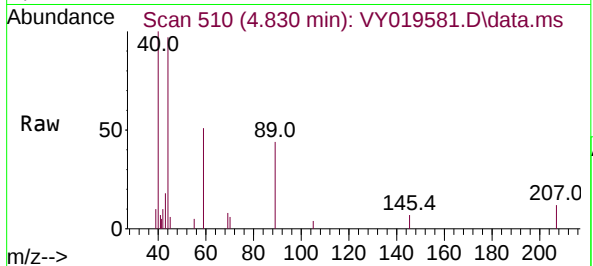




#11
Tert butyl alcohol
Concen: 5.959 ug/l
RT: 4.830 min Scan# 51
Delta R.T. -0.030 min
Lab File: VY019581.D
Acq: 17 Sep 2024 13:28

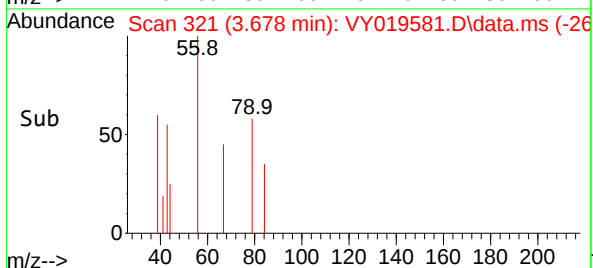
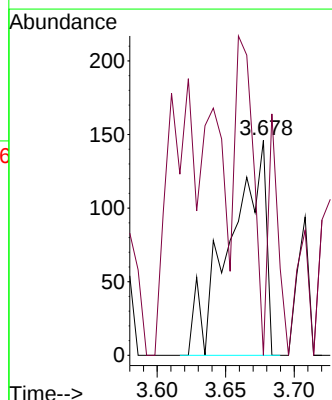
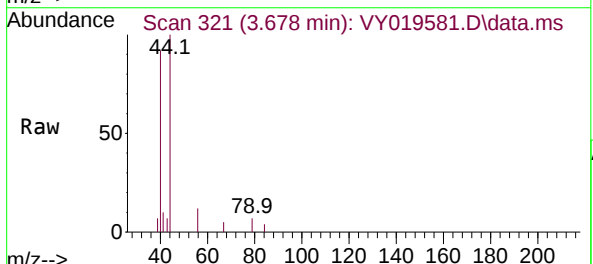
Instrument :
MSVOA_Y
ClientSampleId :

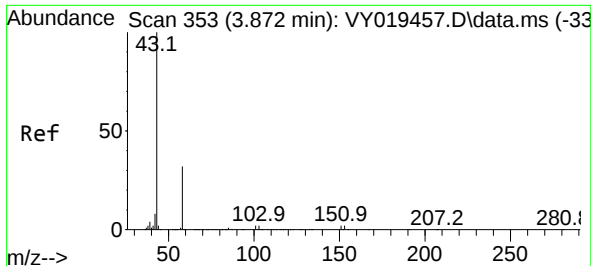
Tgt Ion: 59 Resp: 1532
Ion Ratio Lower Upper
59 100
57 2.0 3.0 4.6#



#13
Acrolein
Concen: Below Cal
RT: 3.678 min Scan# 321
Delta R.T. 0.025 min
Lab File: VY019581.D
Acq: 17 Sep 2024 13:28

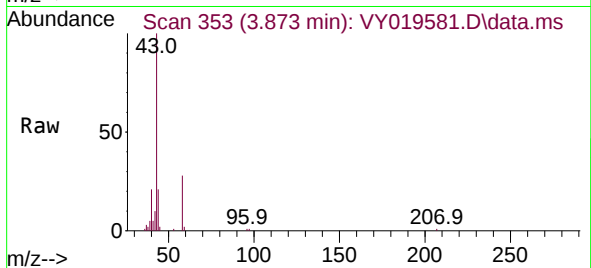
Tgt Ion: 56 Resp: 263
Ion Ratio Lower Upper
56 100
55 31.2 55.7 83.5#



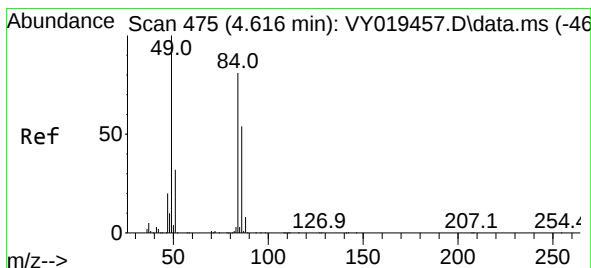
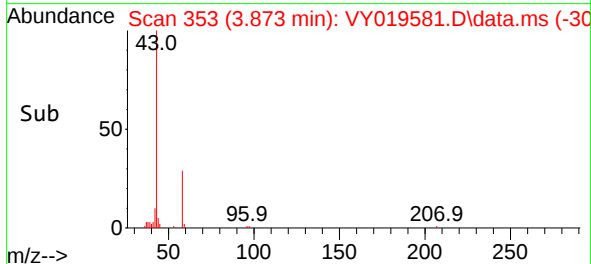
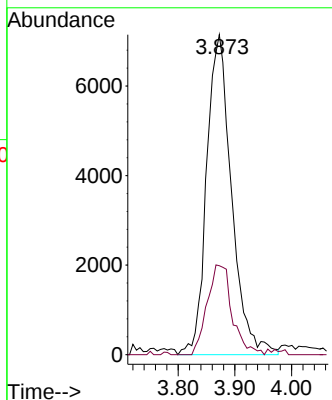


#16
Acetone
Concen: 28.799 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY019581.D
Acq: 17 Sep 2024 13:28

Instrument :
MSVOA_Y
ClientSampleId :

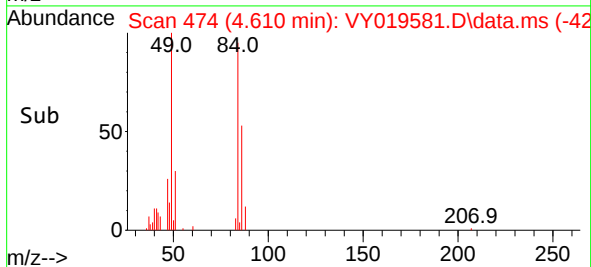
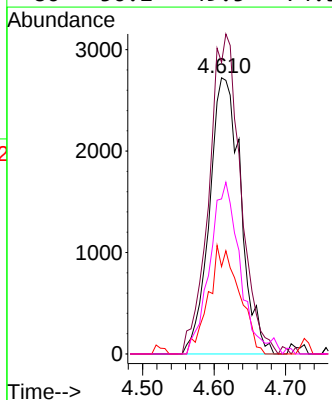
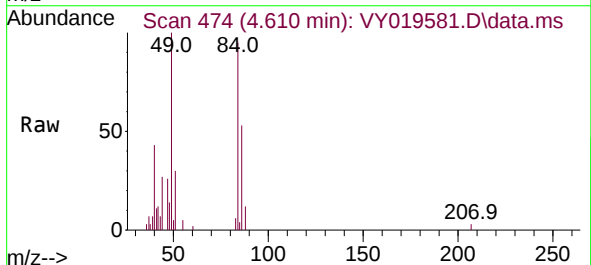


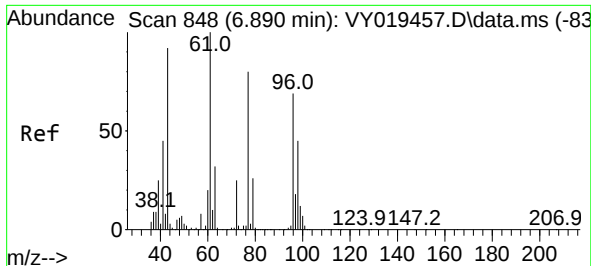
Tgt Ion: 43 Resp: 21840
Ion Ratio Lower Upper
43 100
58 27.8 31.7 47.5#



#20
Methylene Chloride
Concen: 2.394 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY019581.D
Acq: 17 Sep 2024 13:28

Tgt Ion: 84 Resp: 8279
Ion Ratio Lower Upper
84 100
49 105.5 84.4 126.6
51 31.6 26.0 39.0
86 56.2 49.5 74.3





#25

2-Butanone

Concen: 7.019 ug/l

RT: 6.884 min Scan# 84

Delta R.T. -0.006 min

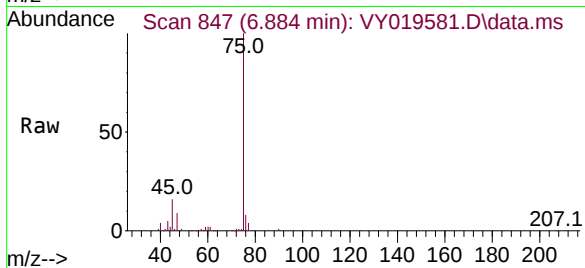
Lab File: VY019581.D

Acq: 17 Sep 2024 13:28

Instrument :

MSVOA_Y

ClientSampleId :

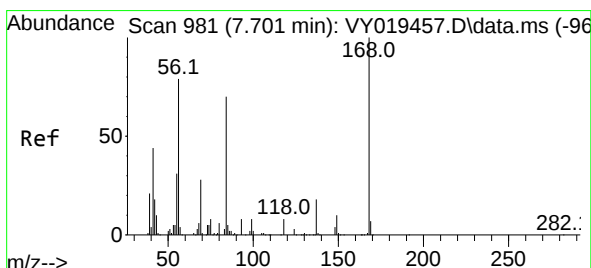
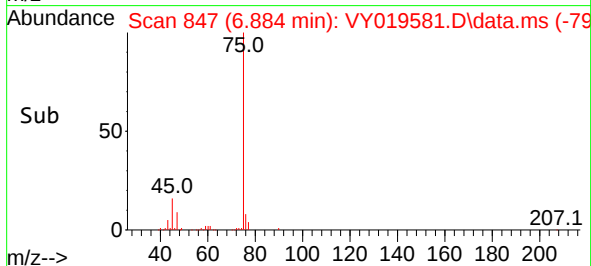
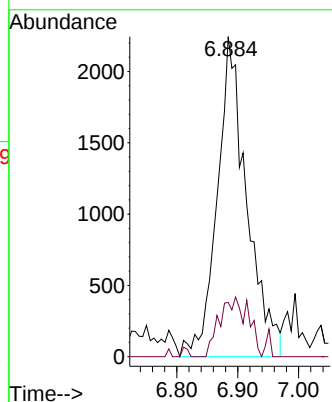


Tgt Ion: 43 Resp: 7571

Ion Ratio Lower Upper

43 100

72 17.0 27.3 40.9#



#31

Cyclohexane

Concen: 1.465 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY019581.D

Acq: 17 Sep 2024 13:28

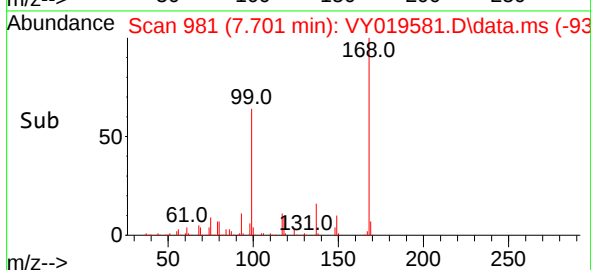
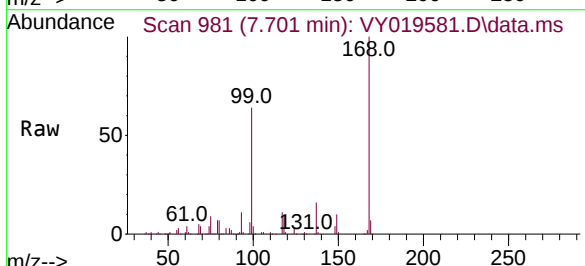
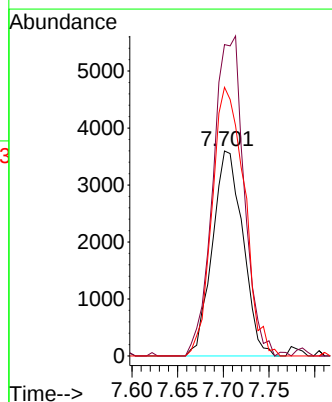
Tgt Ion: 56 Resp: 8345

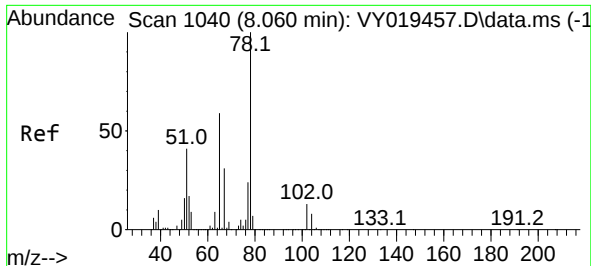
Ion Ratio Lower Upper

56 100

69 151.9 28.7 43.1#

84 131.0 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 63.781 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VY019581.D

Acq: 17 Sep 2024 13:28

Instrument :

MSVOA_Y

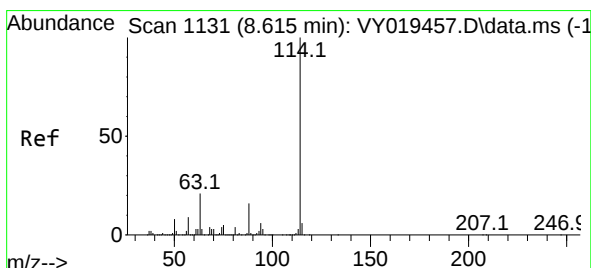
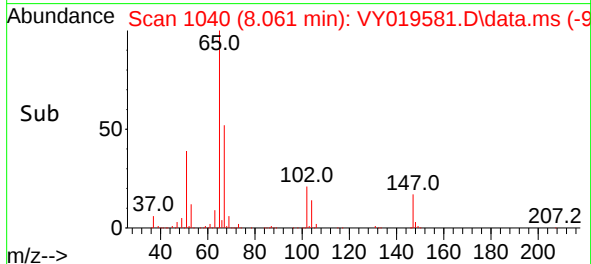
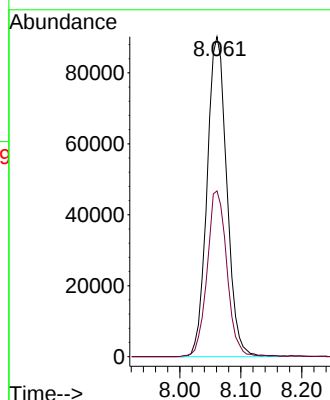
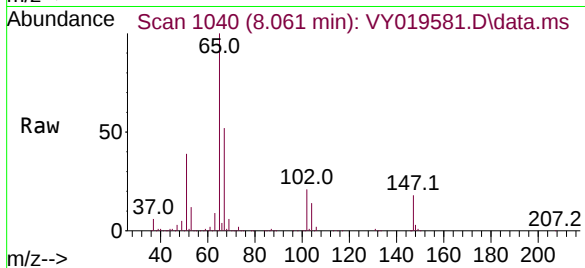
ClientSampleId :

Tgt Ion: 65 Resp: 203031

Ion Ratio Lower Upper

65 100

67 52.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019581.D

Acq: 17 Sep 2024 13:28

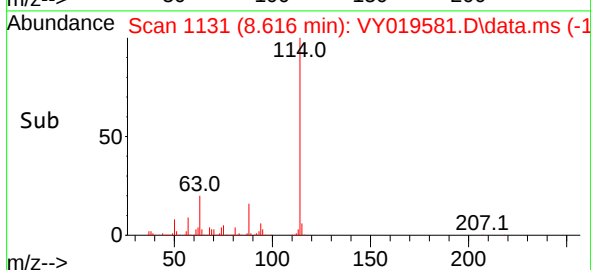
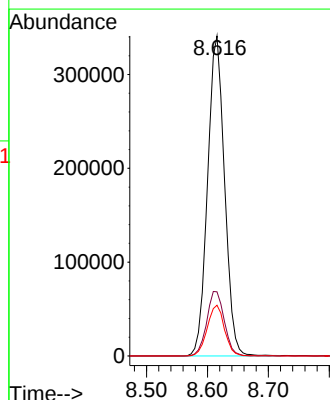
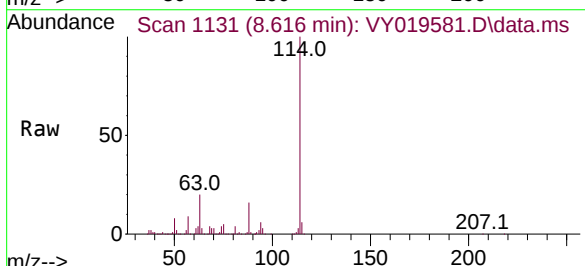
Tgt Ion: 114 Resp: 660806

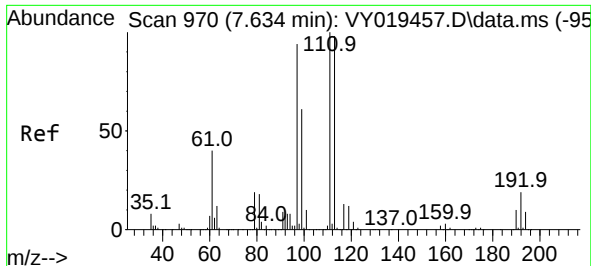
Ion Ratio Lower Upper

114 100

63 20.0 0.0 35.0

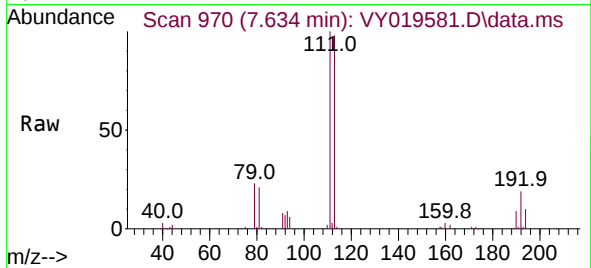
88 15.9 0.0 27.2



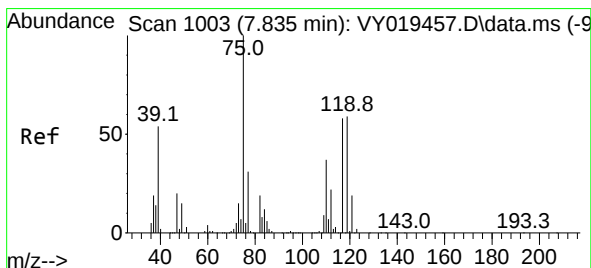
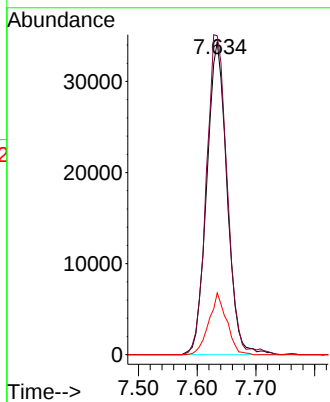
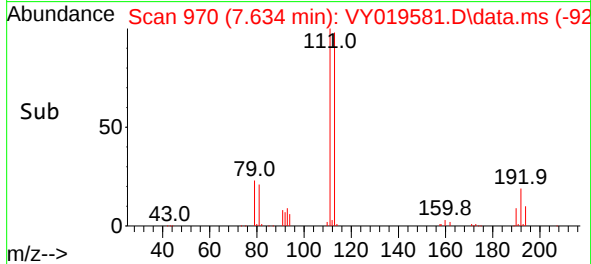


#35
 Dibromofluoromethane
 Concen: 21.953 ug/l
 RT: 7.634 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VY019581.D
 Acq: 17 Sep 2024 13:28

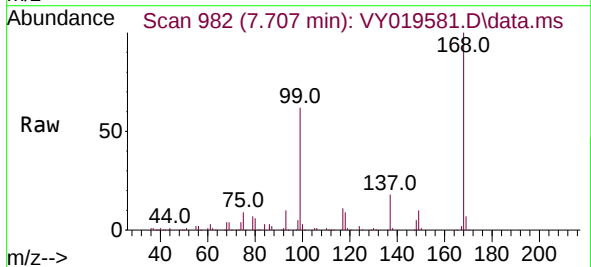
Instrument :
 MSVOA_Y
 ClientSampleId :



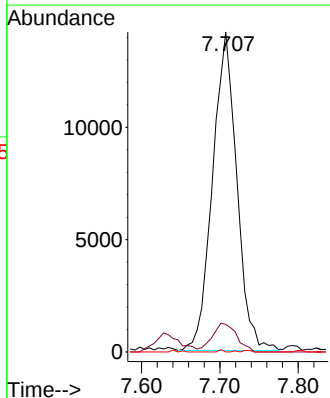
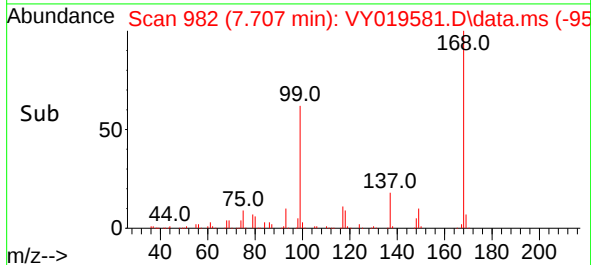
Tgt Ion: 113 Resp: 82252
 Ion Ratio Lower Upper
 113 100
 111 104.9 82.2 123.4
 192 17.4 15.9 23.9

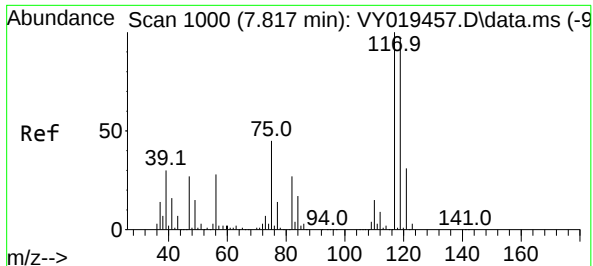


#36
 1,1-Dichloropropene
 Concen: 5.985 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.128 min
 Lab File: VY019581.D
 Acq: 17 Sep 2024 13:28



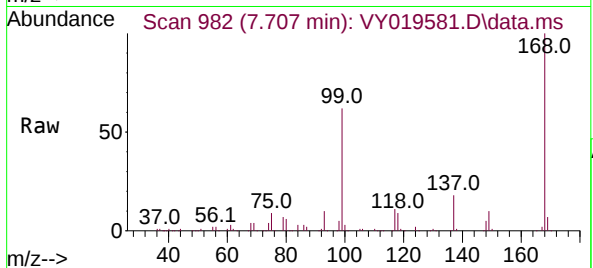
Tgt Ion: 75 Resp: 30514
 Ion Ratio Lower Upper
 75 100
 110 9.1 19.0 57.0#
 77 0.1 25.3 37.9#



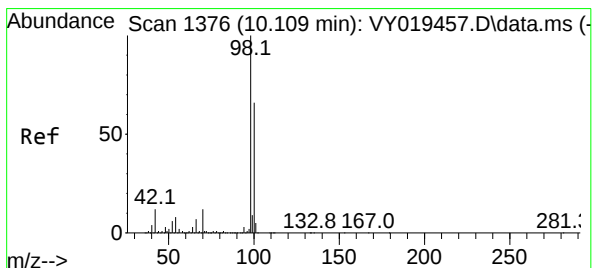
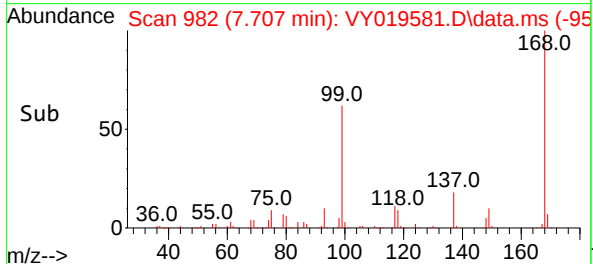
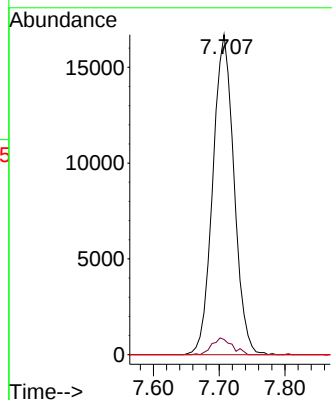


#38
Carbon Tetrachloride
Concen: 6.525 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY019581.D
Acq: 17 Sep 2024 13:28

Instrument :
MSVOA_Y
ClientSampleId :

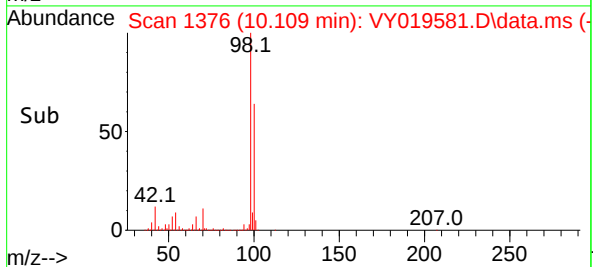
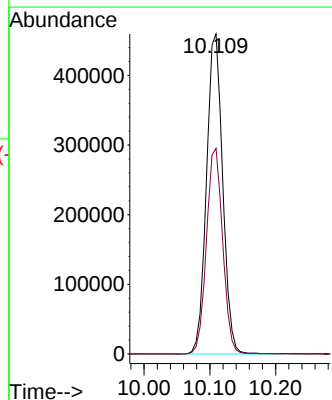
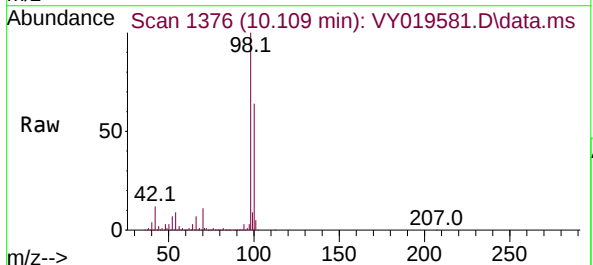


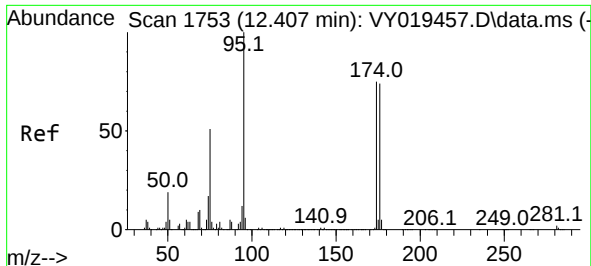
Tgt Ion:117 Resp: 37510
Ion Ratio Lower Upper
117 100
119 4.7 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 56.765 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY019581.D
Acq: 17 Sep 2024 13:28

Tgt Ion: 98 Resp: 786651
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0

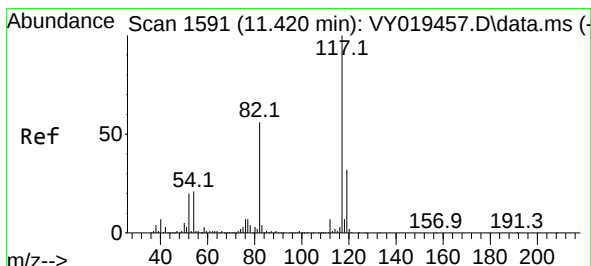
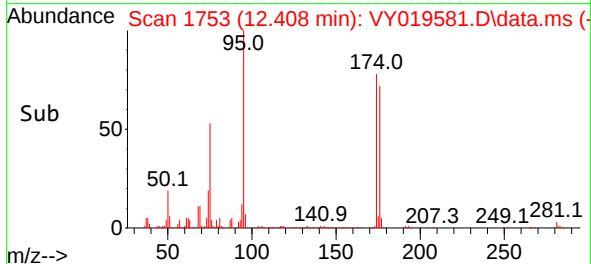
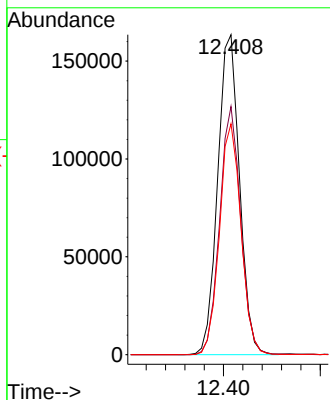
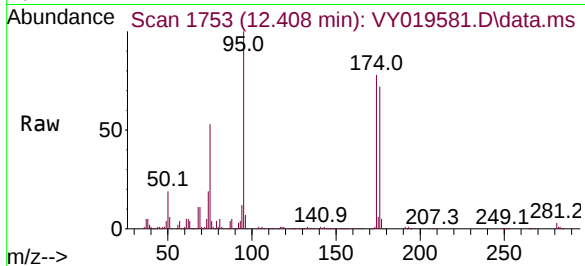




#62
4-Bromofluorobenzene
Concen: 47.999 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019581.D
Acq: 17 Sep 2024 13:28

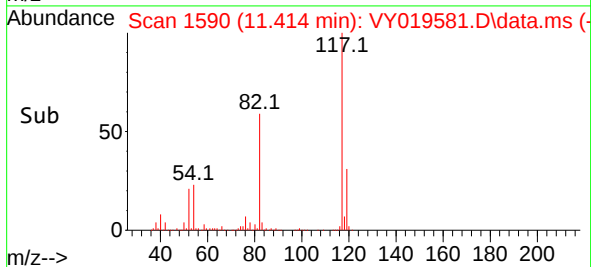
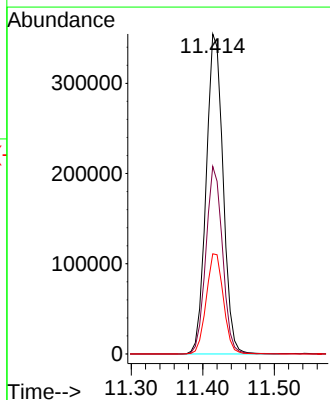
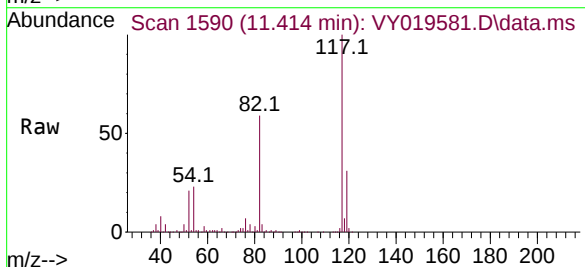
Instrument :
MSVOA_Y
ClientSampleId :

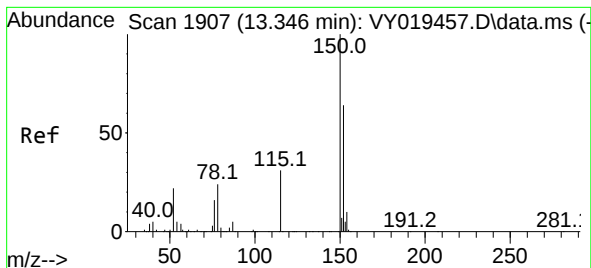
Tgt Ion: 95 Resp: 255762
Ion Ratio Lower Upper
95 100
174 74.8 0.0 175.6
176 71.1 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019581.D
Acq: 17 Sep 2024 13:28

Tgt Ion: 117 Resp: 581598
Ion Ratio Lower Upper
117 100
82 58.6 42.4 63.6
119 31.3 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019581.D

Acq: 17 Sep 2024 13:28

Instrument :

MSVOA_Y

ClientSampleId :

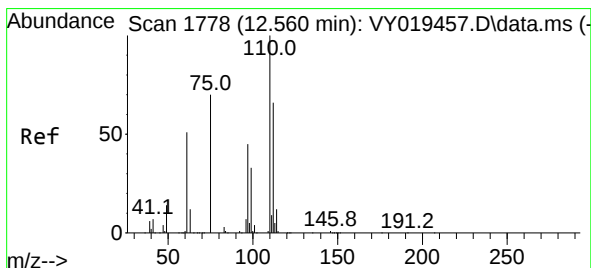
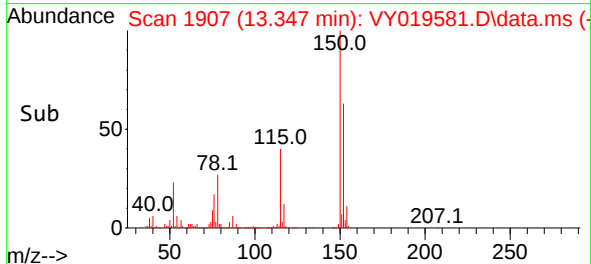
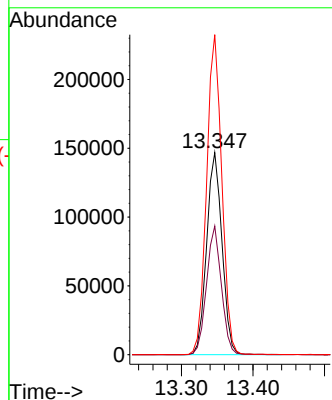
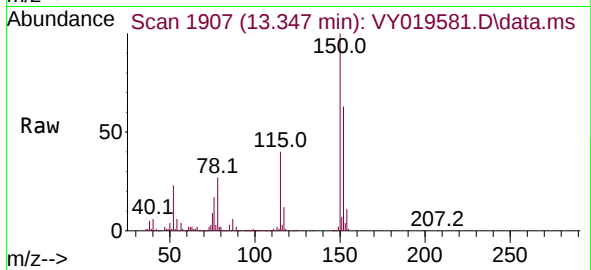
Tgt Ion:152 Resp: 218985

Ion Ratio Lower Upper

152 100

115 61.7 28.2 84.7

150 156.9 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 67.971 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019581.D

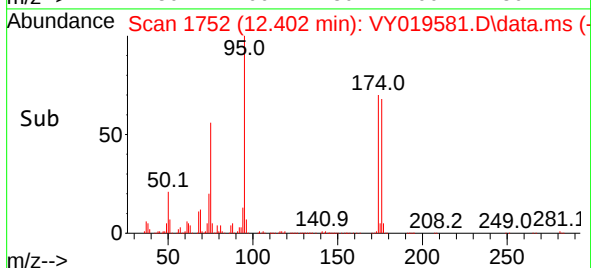
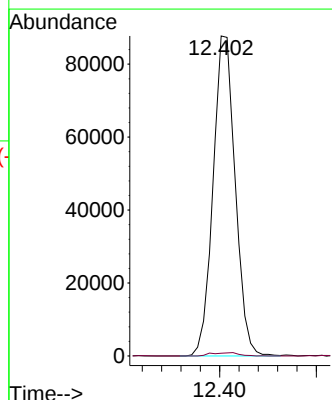
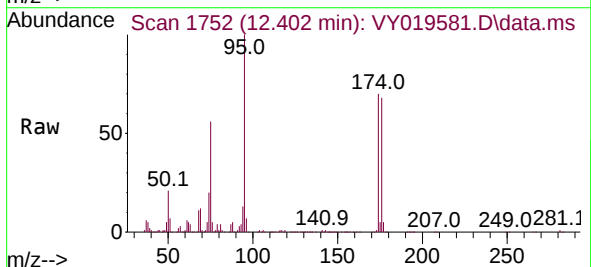
Acq: 17 Sep 2024 13:28

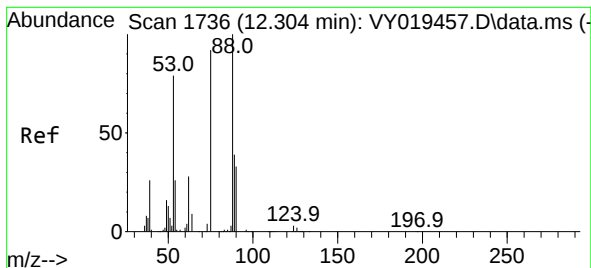
Tgt Ion: 75 Resp: 139512

Ion Ratio Lower Upper

75 100

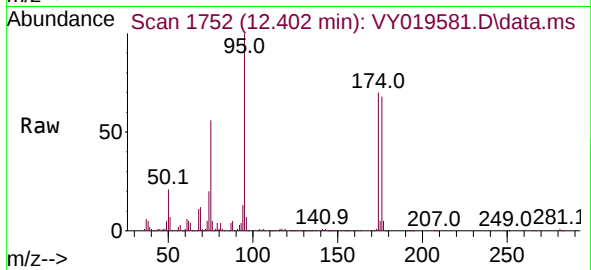
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.484 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY019581.D
 Acq: 17 Sep 2024 13:28

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 139512
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 35.8 53.6#

