

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091724\
 Data File : VY019587.D
 Acq On : 17 Sep 2024 15:48
 Operator : SY/MD
 Sample : P4015-06
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 18 01:33:28 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)

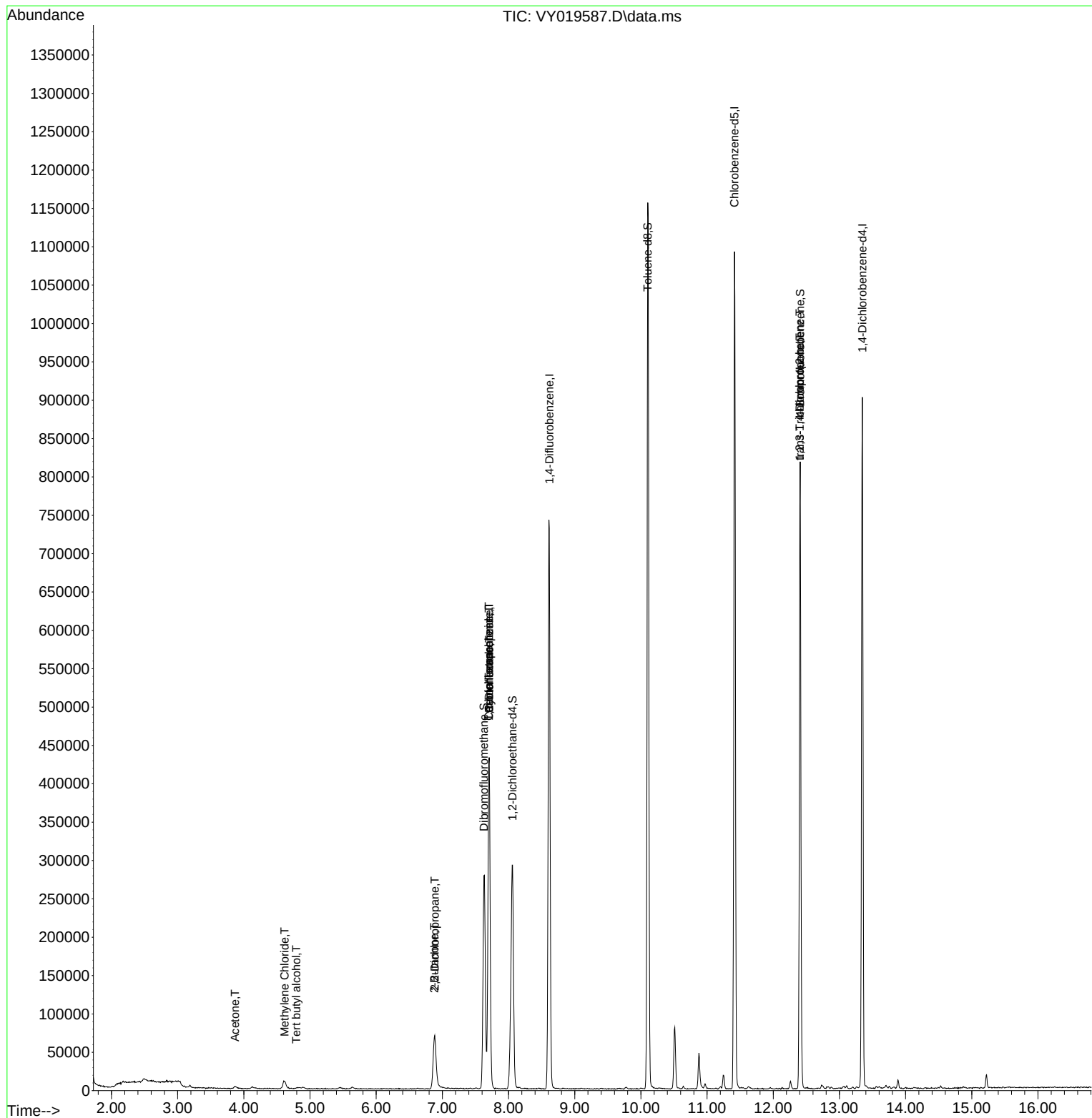
Internal Standards						
1) Pentafluorobenzene	7.707	168	320362	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	630051	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	572710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	215487	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	202211	68.165	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.340%	
35) Dibromofluoromethane	7.628	113	205295	57.469	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.940%	
50) Toluene-d8	10.103	98	758439	57.401	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 114.800%	
62) 4-Bromofluorobenzene	12.408	95	250011	49.210	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 98.420%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	170	Below Cal	#	70
11) Tert butyl alcohol	4.793	59	789	3.293	ug/l #	75
13) Acrolein	3.665	56	172	Below Cal	#	82
16) Acetone	3.866	43	5831	8.251	ug/l	96
20) Methylene Chloride	4.616	84	7436	2.307	ug/l	90
25) 2-Butanone	6.878	43	4814	4.789	ug/l #	75
26) 2,2-Dichloropropane	6.884	77	5964	1.126	ug/l #	51
31) Cyclohexane	7.707	56	7907	1.489	ug/l #	13
36) 1,1-Dichloropropene	7.701	75	29285	6.025	ug/l #	47
38) Carbon Tetrachloride	7.701	117	35048	6.394	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	136040	67.355	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	136040	129.303	ug/l #	16

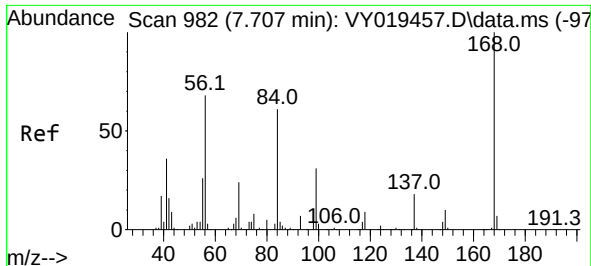
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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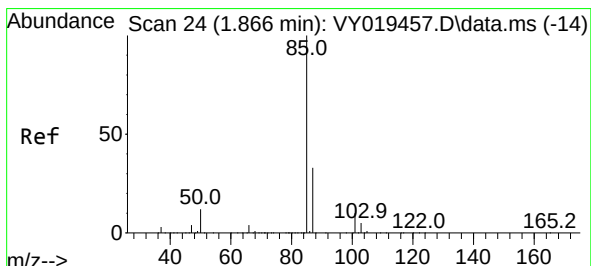
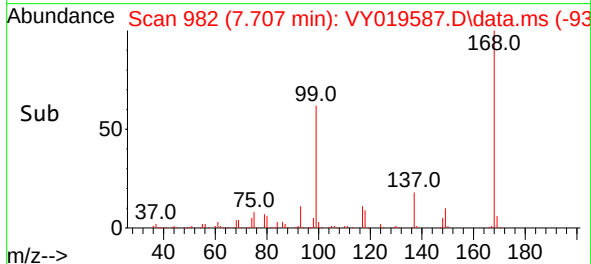
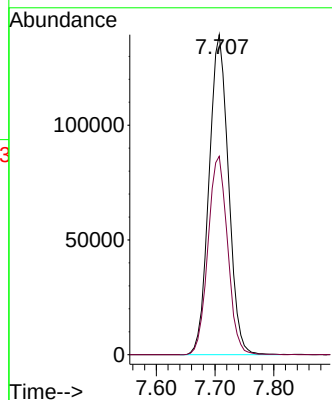
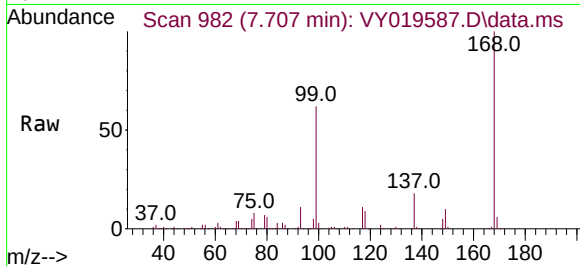




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019587.D
Acq: 17 Sep 2024 15:48

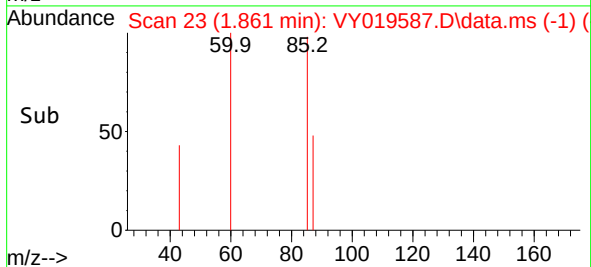
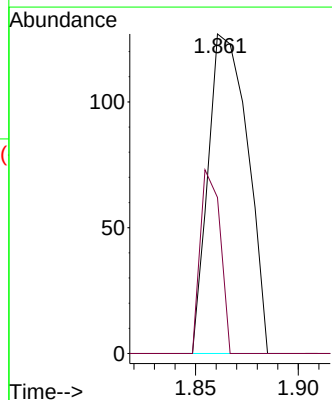
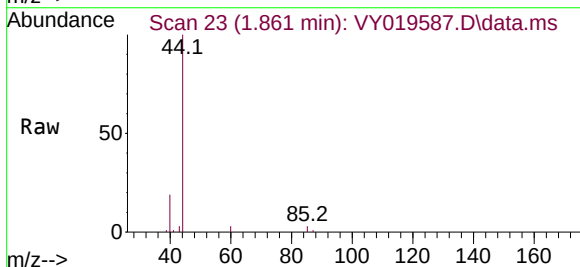
Instrument :
MSVOA_Y
ClientSampleId :

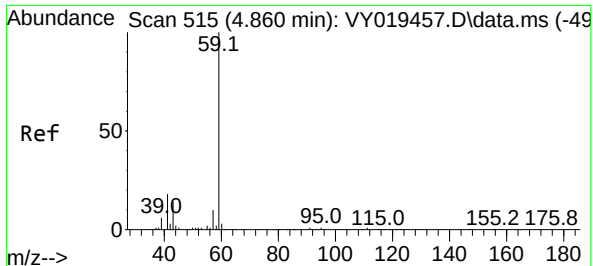
Tgt Ion:168 Resp: 320362
Ion Ratio Lower Upper
168 100
99 62.0 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.861 min Scan# 23
Delta R.T. -0.005 min
Lab File: VY019587.D
Acq: 17 Sep 2024 15:48

Tgt Ion: 85 Resp: 170
Ion Ratio Lower Upper
85 100
87 48.8 16.0 48.0#





#11

Tert butyl alcohol

Concen: 3.293 ug/l

RT: 4.793 min Scan# 50

Delta R.T. -0.067 min

Lab File: VY019587.D

Acq: 17 Sep 2024 15:48

Instrument :

MSVOA_Y

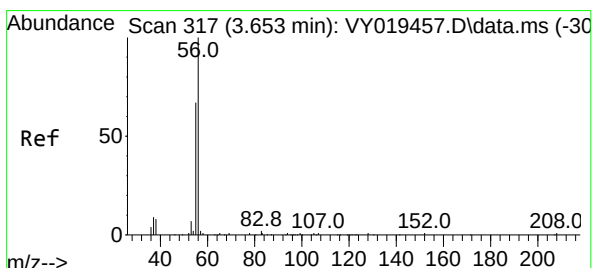
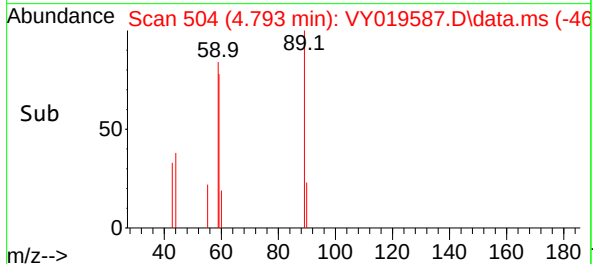
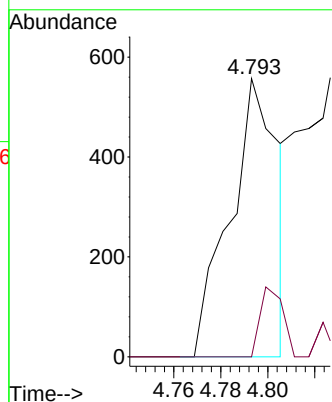
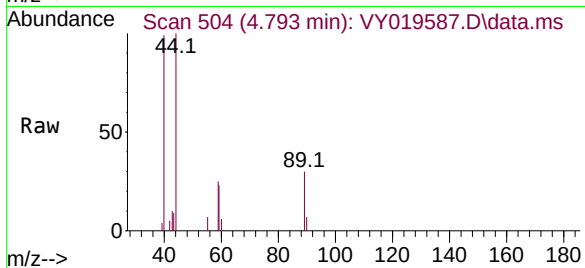
ClientSampleId :

Tgt Ion: 59 Resp: 789

Ion Ratio Lower Upper

59 100

57 11.9 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.665 min Scan# 319

Delta R.T. 0.012 min

Lab File: VY019587.D

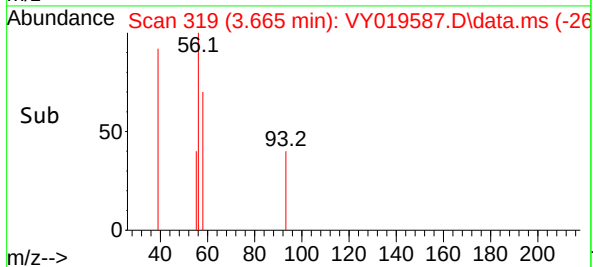
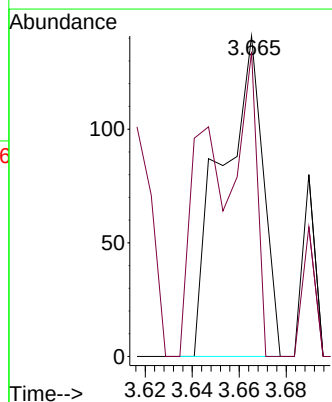
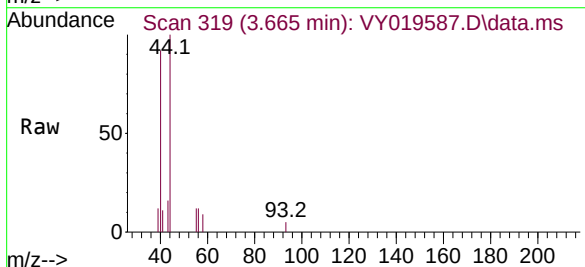
Acq: 17 Sep 2024 15:48

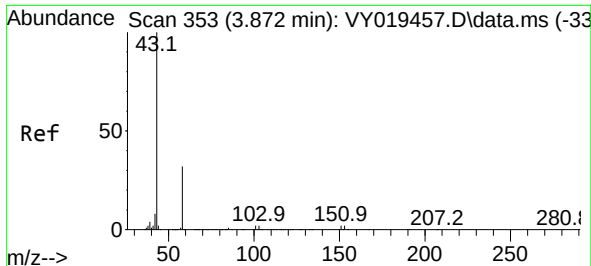
Tgt Ion: 56 Resp: 172

Ion Ratio Lower Upper

56 100

55 55.2 55.7 83.5#

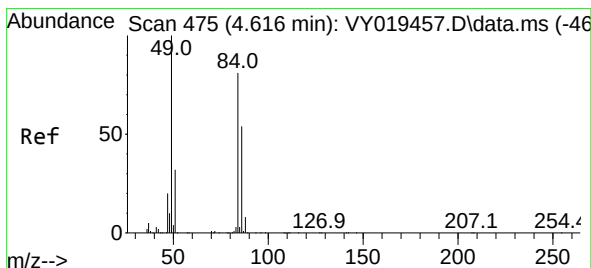
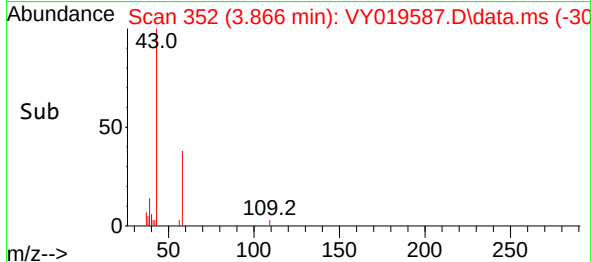
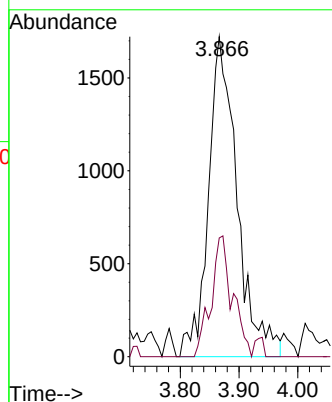
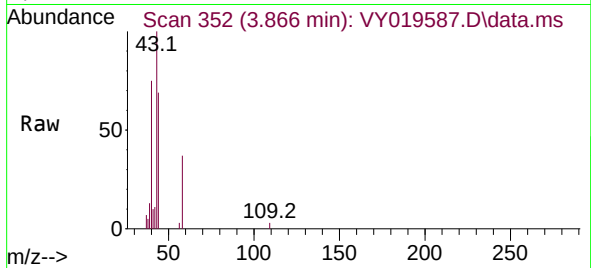




#16
Acetone
Concen: 8.251 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY019587.D
Acq: 17 Sep 2024 15:48

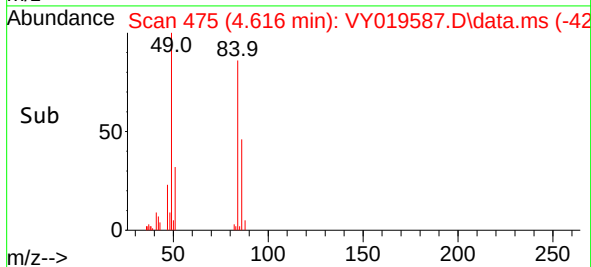
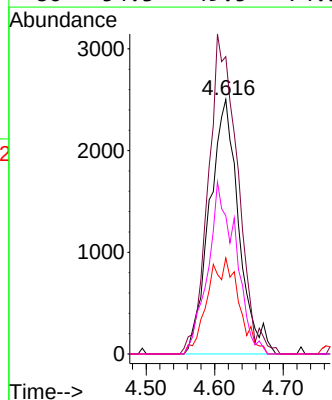
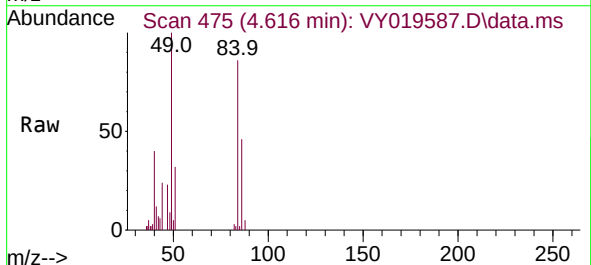
Instrument :
MSVOA_Y
ClientSampleId :

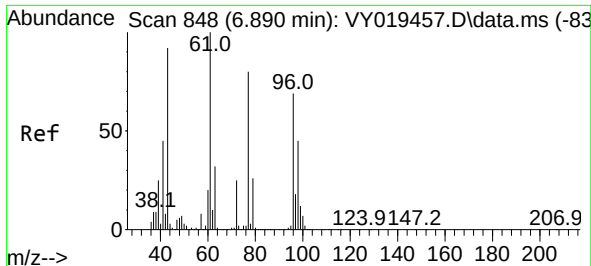
Tgt Ion: 43 Resp: 5831
Ion Ratio Lower Upper
43 100
58 37.1 31.7 47.5



#20
Methylene Chloride
Concen: 2.307 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY019587.D
Acq: 17 Sep 2024 15:48

Tgt Ion: 84 Resp: 7436
Ion Ratio Lower Upper
84 100
49 116.8 84.4 126.6
51 37.7 26.0 39.0
86 54.3 49.5 74.3

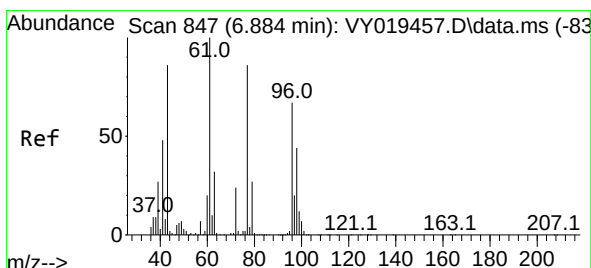
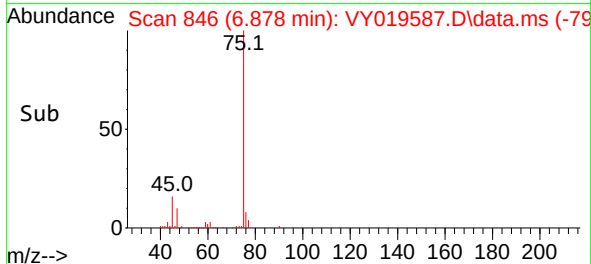
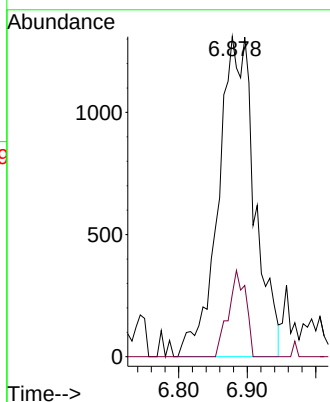
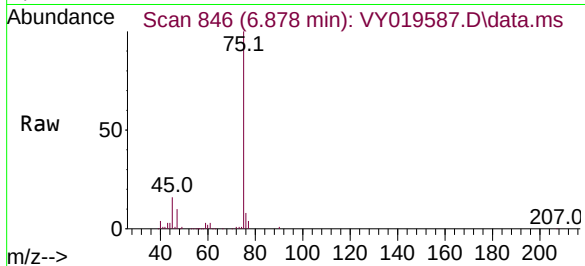




#25
2-Butanone
Concen: 4.789 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY019587.D
Acq: 17 Sep 2024 15:48

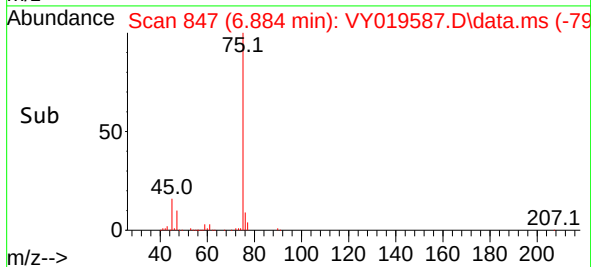
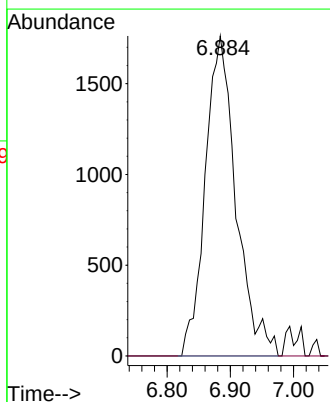
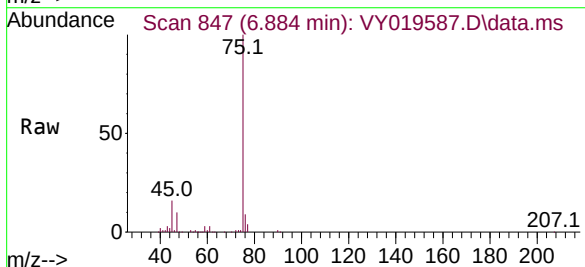
Instrument :
MSVOA_Y
ClientSampleId :

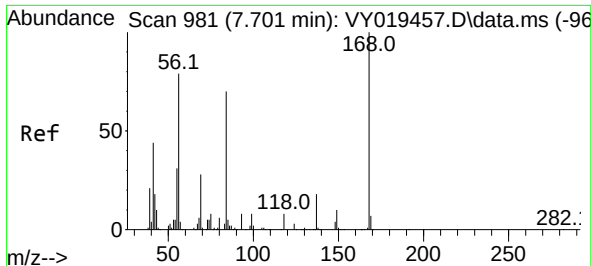
Tgt Ion: 43 Resp: 4814
Ion Ratio Lower Upper
43 100
72 19.5 27.3 40.9#



#26
2,2-Dichloropropane
Concen: 1.126 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY019587.D
Acq: 17 Sep 2024 15:48

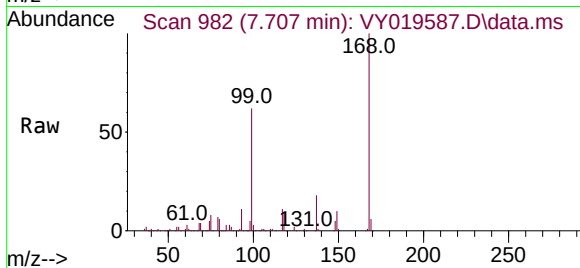
Tgt Ion: 77 Resp: 5964
Ion Ratio Lower Upper
77 100
97 0.0 12.0 36.1#



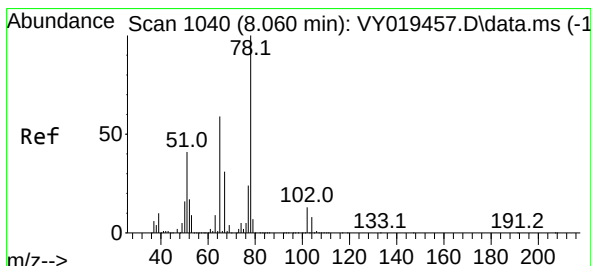
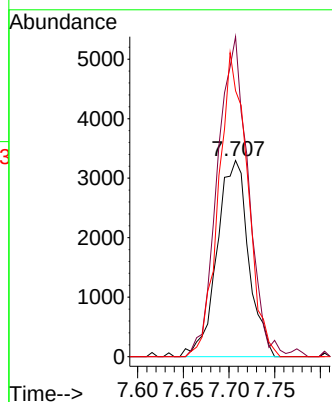
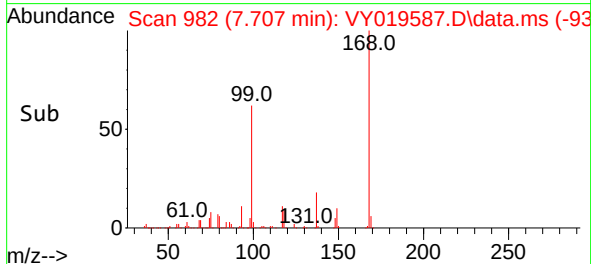


#31
Cyclohexane
Concen: 1.489 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019587.D
Acq: 17 Sep 2024 15:48

Instrument :
MSVOA_Y
ClientSampleId :

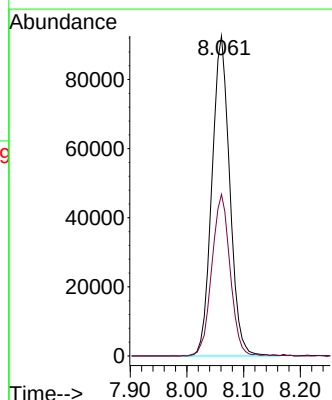
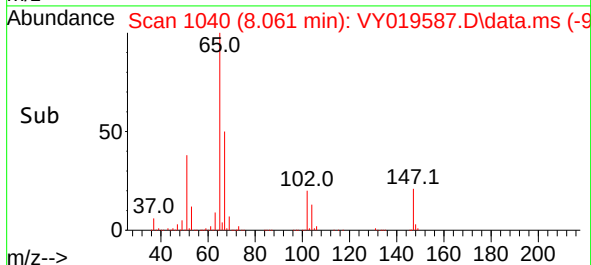
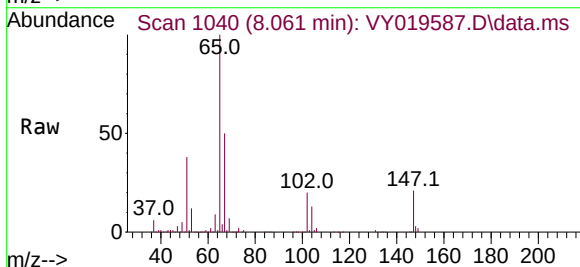


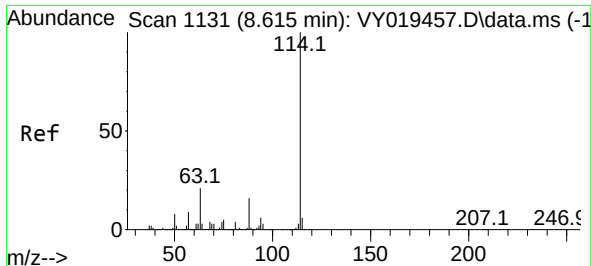
Tgt Ion: 56 Resp: 7907
Ion Ratio Lower Upper
56 100
69 163.1 28.7 43.1#
84 135.5 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 68.165 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019587.D
Acq: 17 Sep 2024 15:48

Tgt Ion: 65 Resp: 202211
Ion Ratio Lower Upper
65 100
67 51.9 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

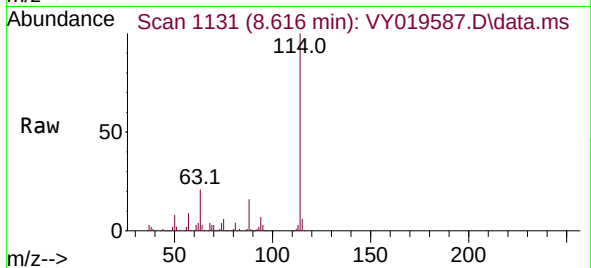
Lab File: VY019587.D

Acq: 17 Sep 2024 15:48

Instrument :

MSVOA_Y

ClientSampleId :



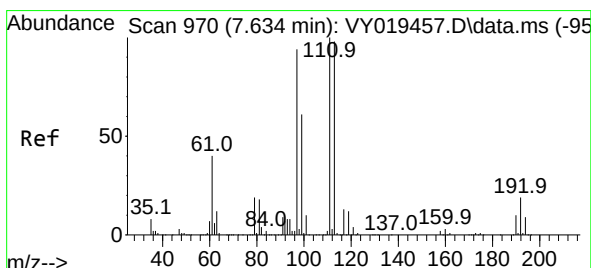
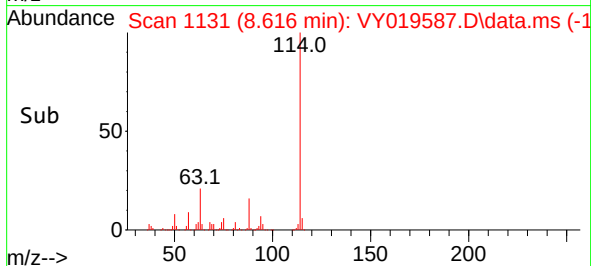
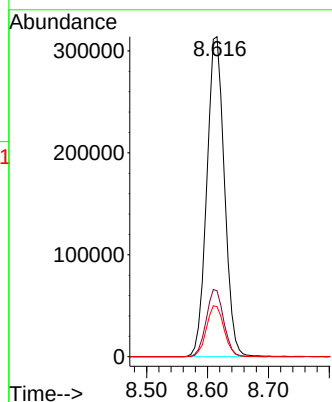
Tgt Ion:114 Resp: 630051

Ion Ratio Lower Upper

114 100

63 20.6 0.0 35.0

88 15.7 0.0 27.2



#35

Dibromofluoromethane

Concen: 57.469 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY019587.D

Acq: 17 Sep 2024 15:48

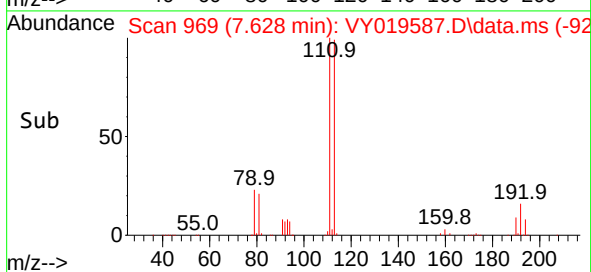
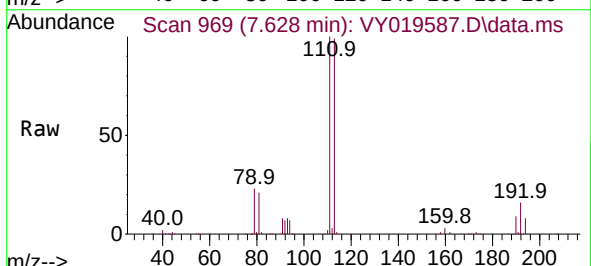
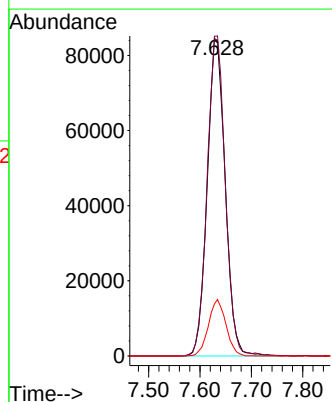
Tgt Ion:113 Resp: 205295

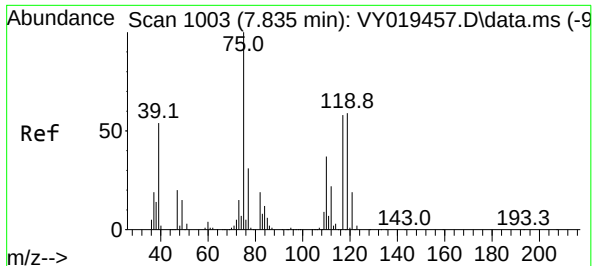
Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

192 17.4 15.9 23.9





#36

1,1-Dichloropropene

Concen: 6.025 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY019587.D

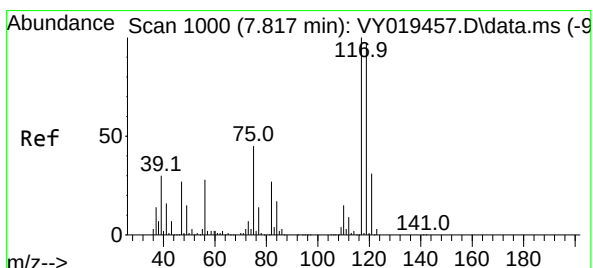
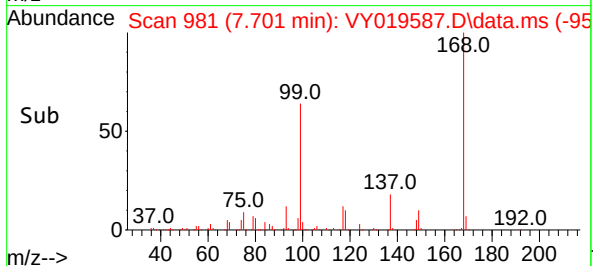
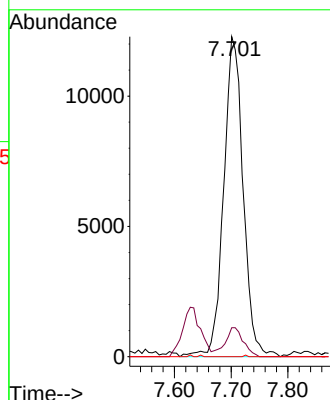
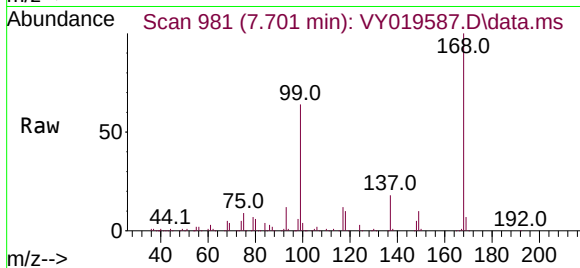
Acq: 17 Sep 2024 15:48

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp: 29285
Ion Ratio	Lower Upper
75	100
110	8.3 19.0 57.0#
77	0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.394 ug/l

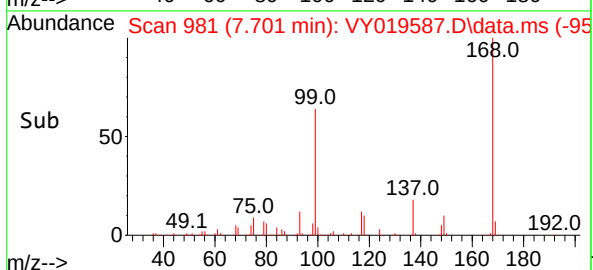
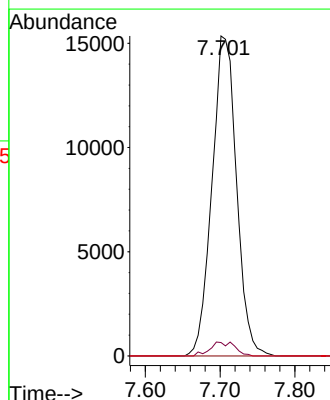
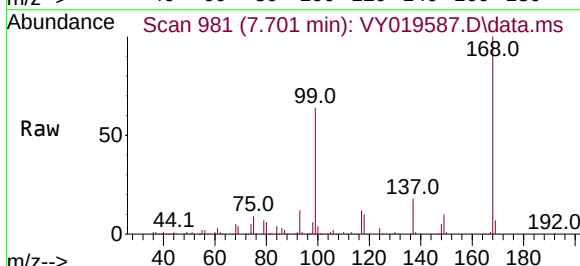
RT: 7.701 min Scan# 981

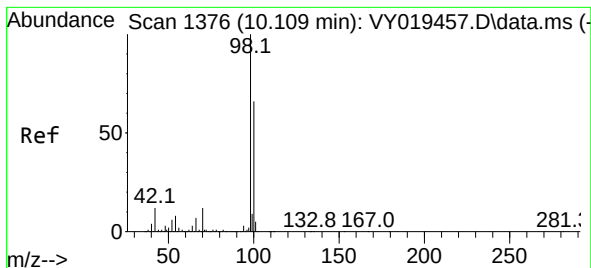
Delta R.T. -0.116 min

Lab File: VY019587.D

Acq: 17 Sep 2024 15:48

Tgt Ion: 117	Resp: 35048
Ion Ratio	Lower Upper
117	100
119	4.2 75.8 113.6#
121	0.0 24.0 36.0#





#50

Toluene-d8

Concen: 57.401 ug/l

RT: 10.103 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY019587.D

Acq: 17 Sep 2024 15:48

Instrument :

MSVOA_Y

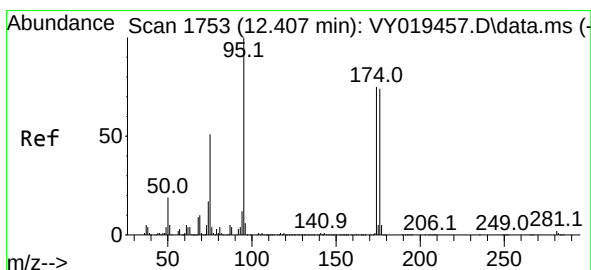
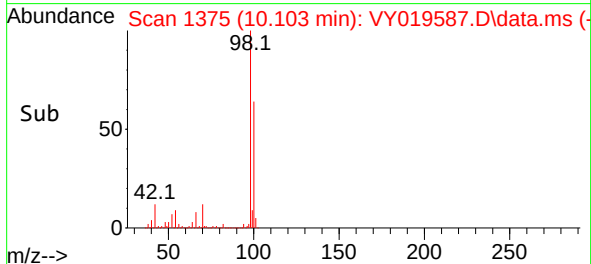
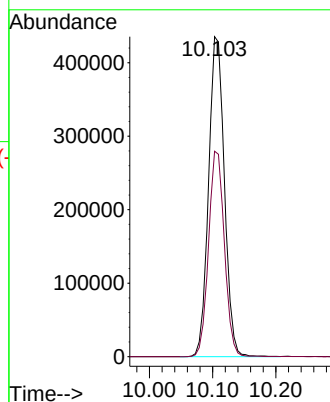
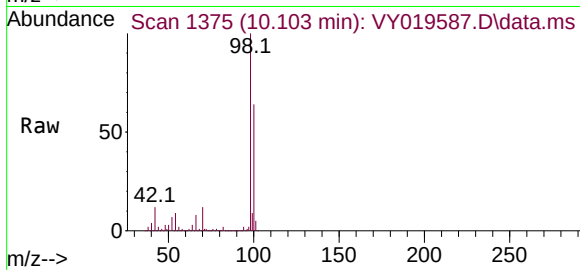
ClientSampleId :

Tgt Ion: 98 Resp: 758439

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 49.210 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY019587.D

Acq: 17 Sep 2024 15:48

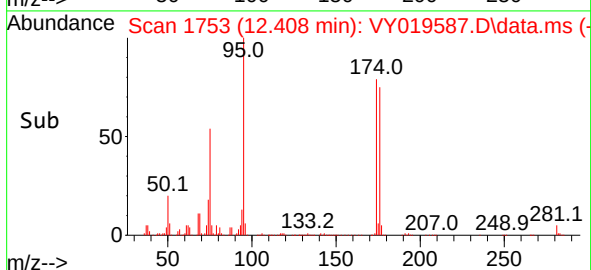
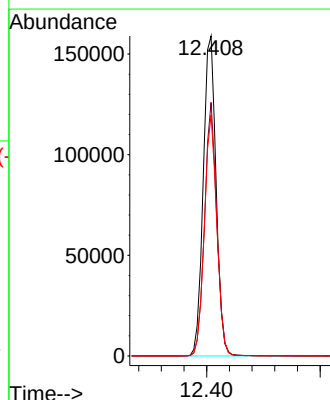
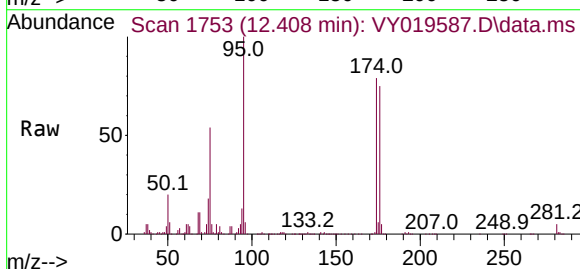
Tgt Ion: 95 Resp: 250011

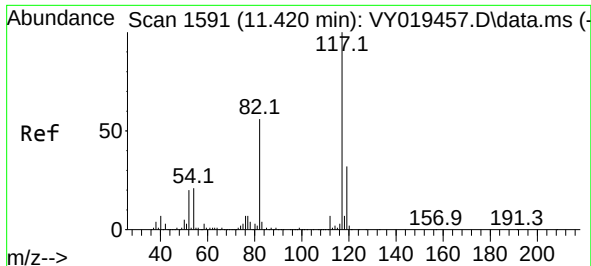
Ion Ratio Lower Upper

95 100

174 75.1 0.0 175.6

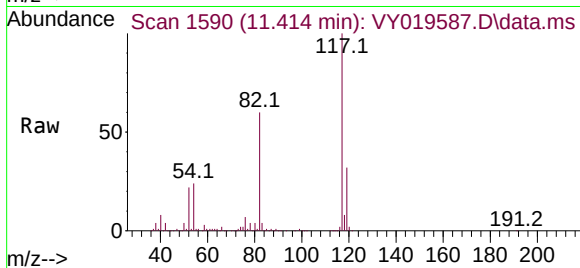
176 72.9 0.0 171.4



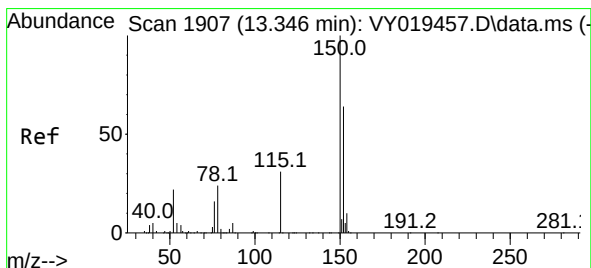
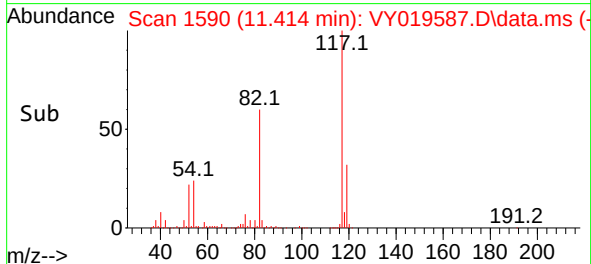
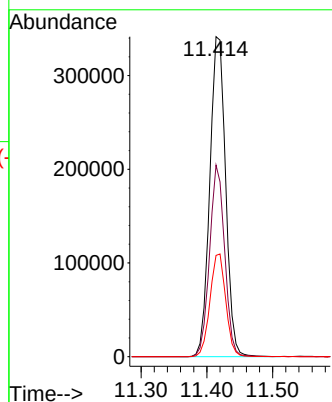


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019587.D
Acq: 17 Sep 2024 15:48

Instrument :
MSVOA_Y
ClientSampleId :

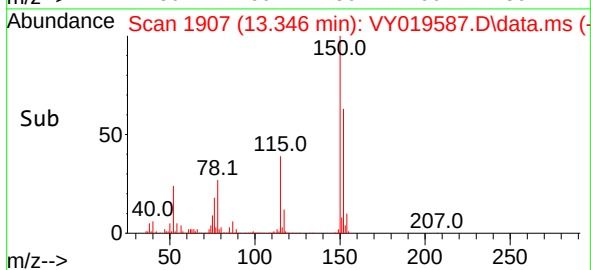
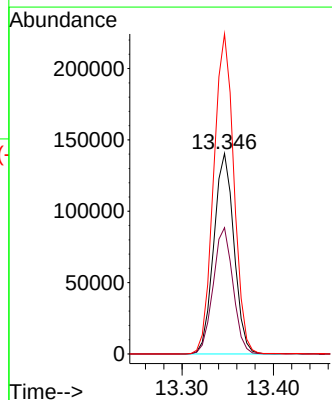
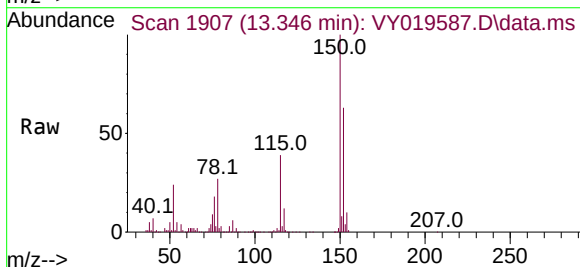


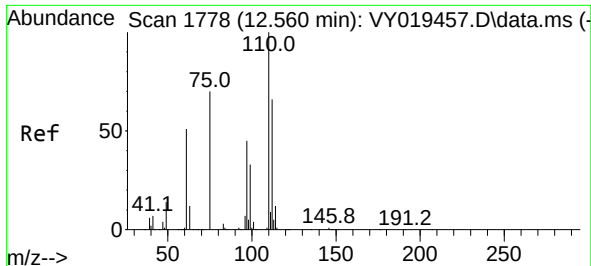
Tgt Ion:117 Resp: 572710
Ion Ratio Lower Upper
117 100
82 59.8 42.4 63.6
119 31.7 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019587.D
Acq: 17 Sep 2024 15:48

Tgt Ion:152 Resp: 215487
Ion Ratio Lower Upper
152 100
115 62.0 28.2 84.7
150 159.9 0.0 345.6

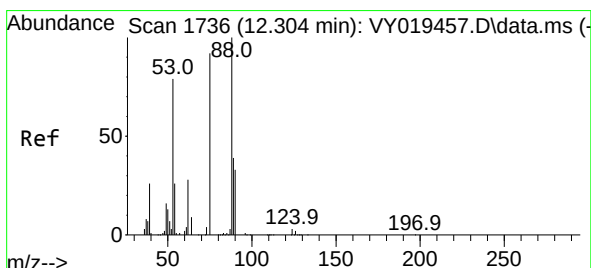
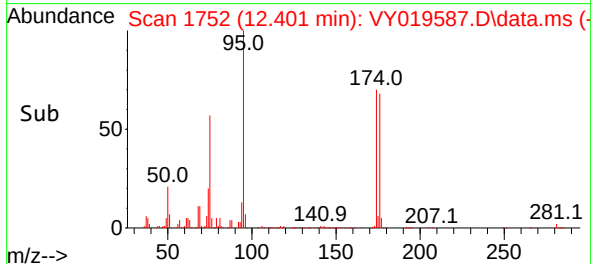
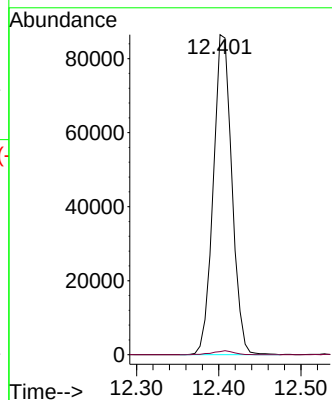
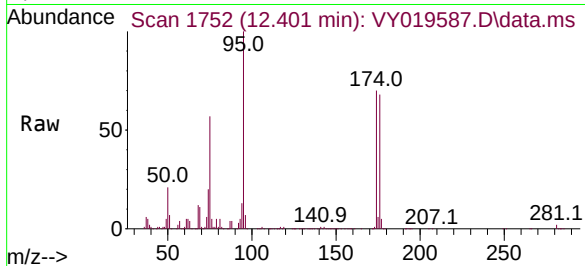




#76
1,2,3-Trichloropropane
Concen: 67.355 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY019587.D
Acq: 17 Sep 2024 15:48

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 136040
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.303 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019587.D
Acq: 17 Sep 2024 15:48

Tgt Ion: 75 Resp: 136040
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#

