

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092524\
 Data File : VY019698.D
 Acq On : 25 Sep 2024 16:24
 Operator : SY/MD
 Sample : P4168-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 26 04:02:24 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)

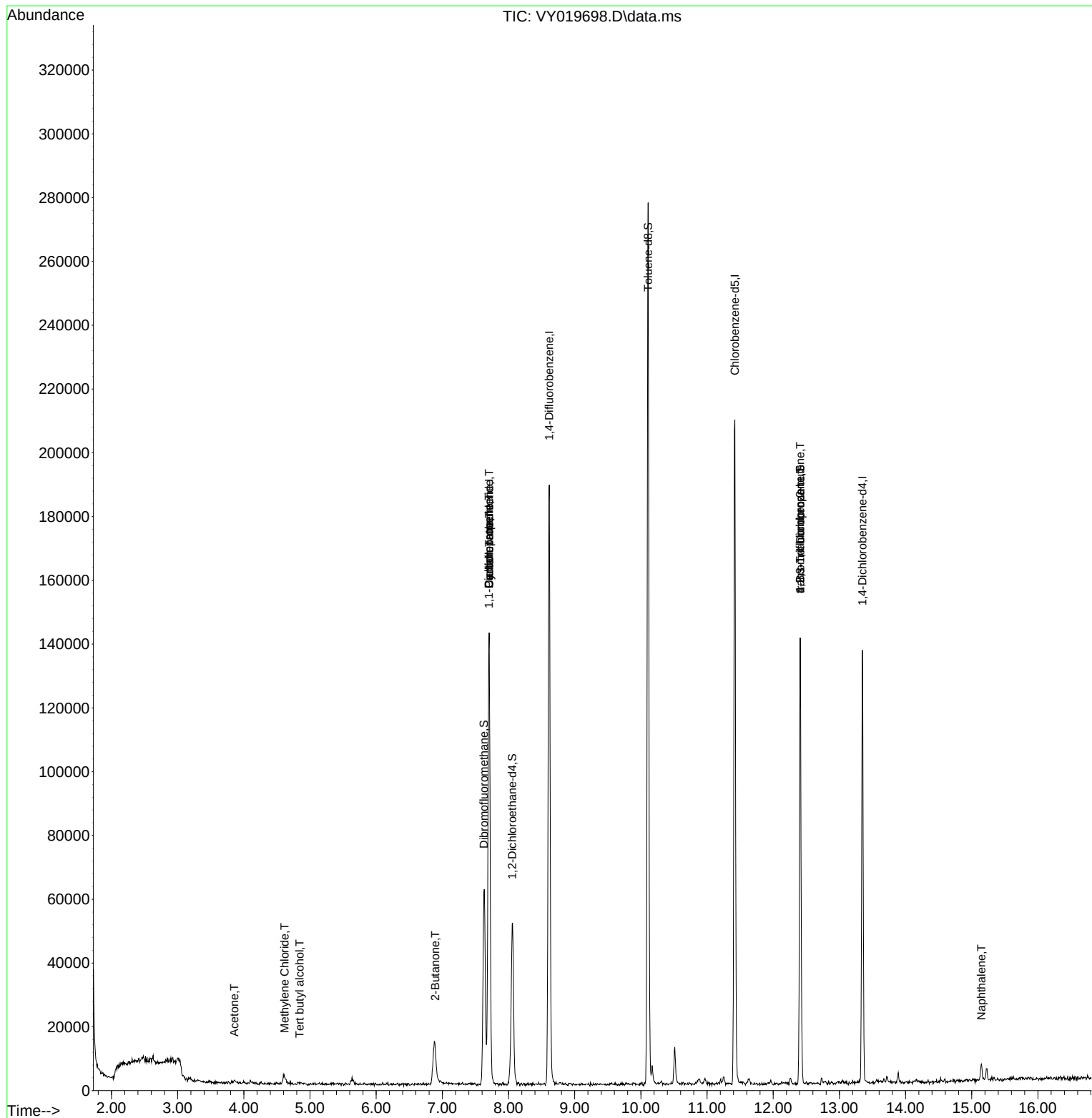
Internal Standards						
1) Pentafluorobenzene	7.707	168	105805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	161515	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	111955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	33342	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	39496	40.313	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.620%
35) Dibromofluoromethane	7.628	113	44943	49.077	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.160%
50) Toluene-d8	10.109	98	176790	52.194	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.380%
62) 4-Bromofluorobenzene	12.407	95	41491	31.857	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	63.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.037	85	23	Below Cal	#	43
11) Tert butyl alcohol	4.842	59	407	5.144	ug/l #	88
13) Acrolein	3.653	56	22	Below Cal	#	15
16) Acetone	3.854	43	1421	6.088	ug/l #	70
20) Methylene Chloride	4.616	84	1800	1.691	ug/l #	78
25) 2-Butanone	6.890	43	1284	3.868	ug/l #	66
31) Cyclohexane	7.707	56	2551	1.455	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	9049	7.262	ug/l #	48
38) Carbon Tetrachloride	7.707	117	11269	8.020	ug/l #	15
76) 1,2,3-Trichloropropane	12.407	75	22067	70.612	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	22067	135.554	ug/l #	16
95) Naphthalene	15.145	128	4274	3.772	ug/l #	95

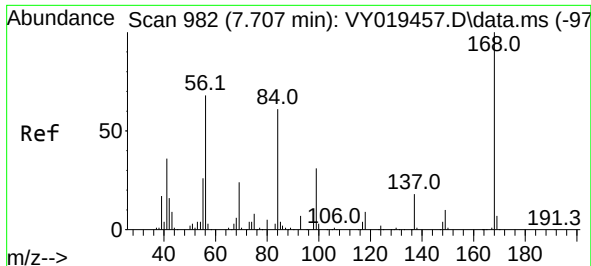
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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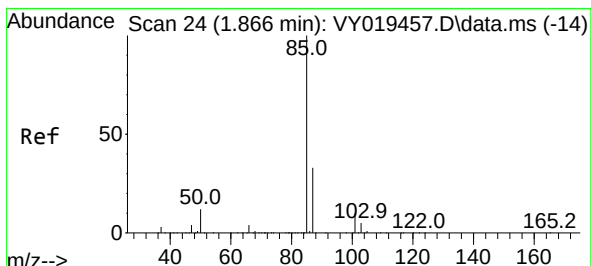
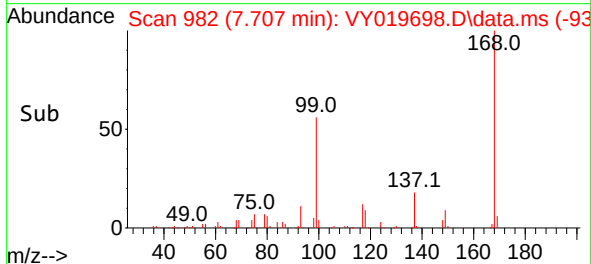
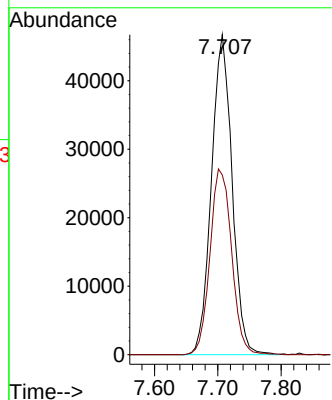
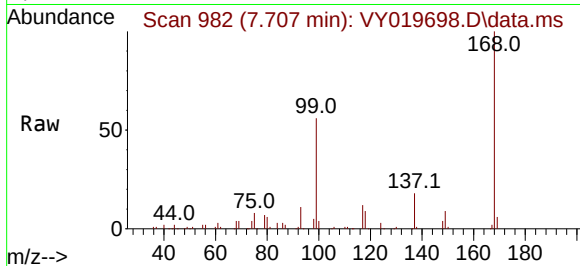




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019698.D
Acq: 25 Sep 2024 16:24

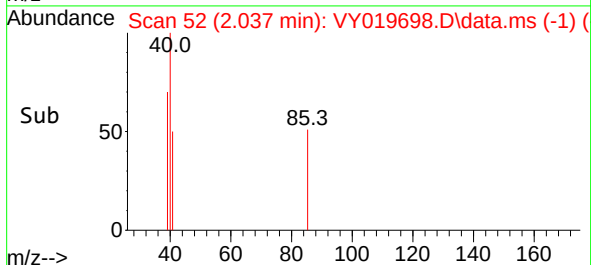
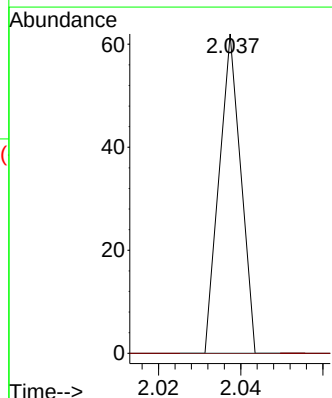
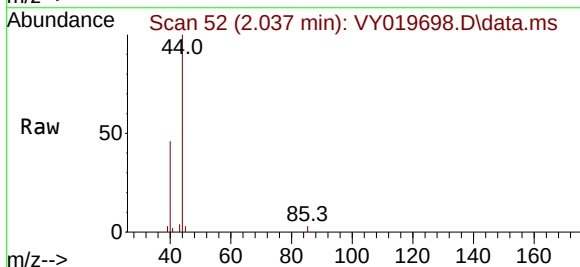
Instrument :
MSVOA_Y
ClientSampleId :

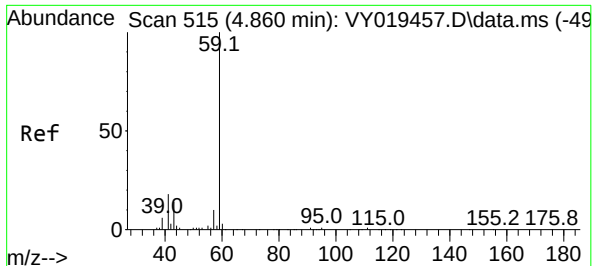
Tgt Ion:168 Resp: 105805
Ion Ratio Lower Upper
168 100
99 56.1 39.1 58.7



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.037 min Scan# 52
Delta R.T. 0.171 min
Lab File: VY019698.D
Acq: 25 Sep 2024 16:24

Tgt Ion: 85 Resp: 23
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#





#11

Tert butyl alcohol

Concen: 5.144 ug/l

RT: 4.842 min Scan# 51

Delta R.T. -0.018 min

Lab File: VY019698.D

Acq: 25 Sep 2024 16:24

Instrument :

MSVOA_Y

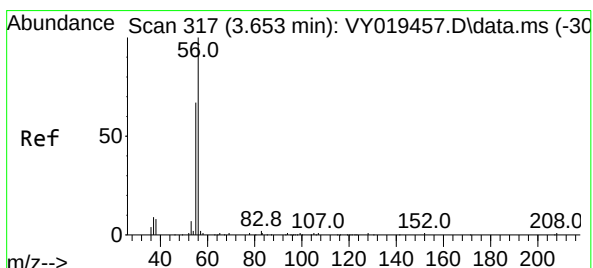
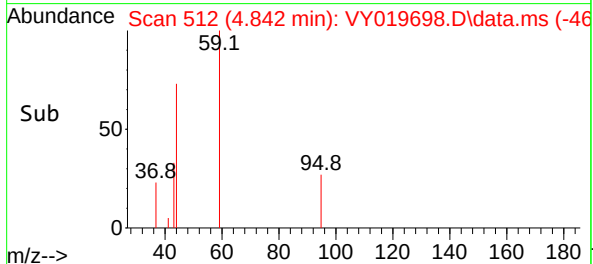
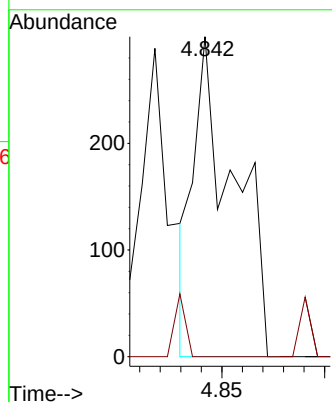
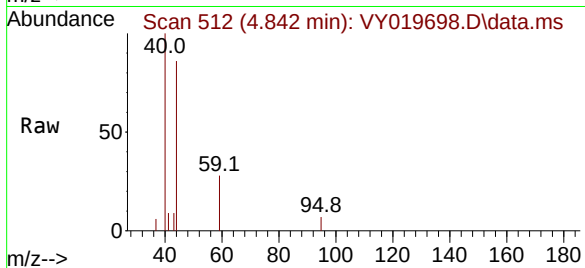
ClientSampleId :

Tgt Ion: 59 Resp: 407

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.653 min Scan# 317

Delta R.T. -0.000 min

Lab File: VY019698.D

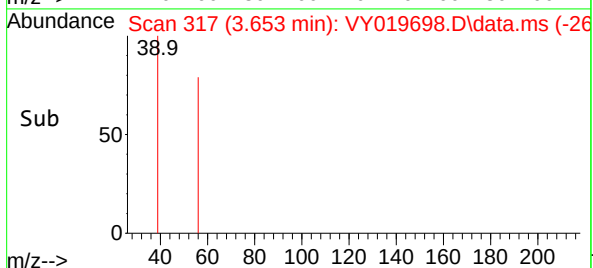
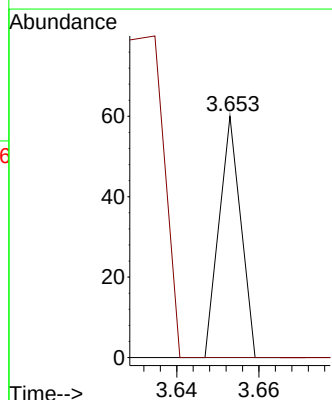
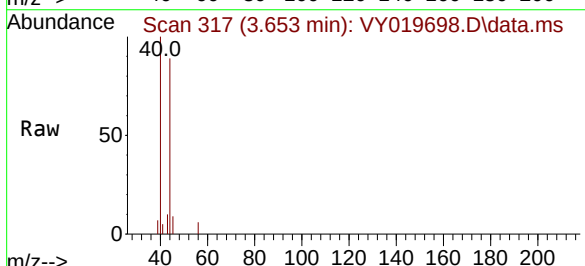
Acq: 25 Sep 2024 16:24

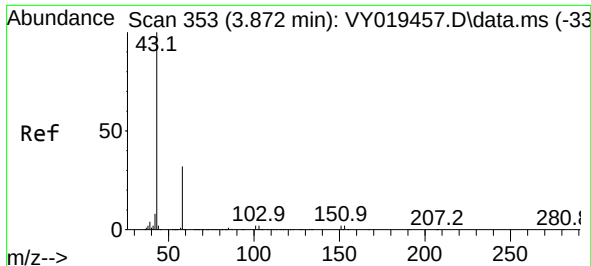
Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#

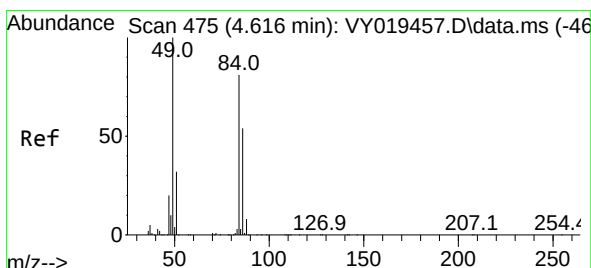
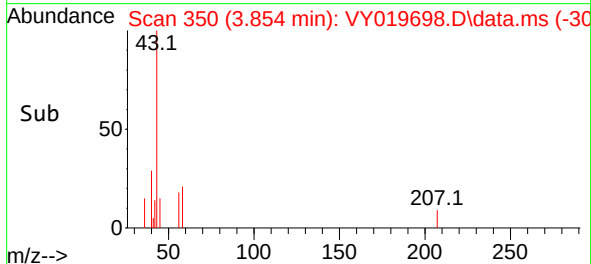
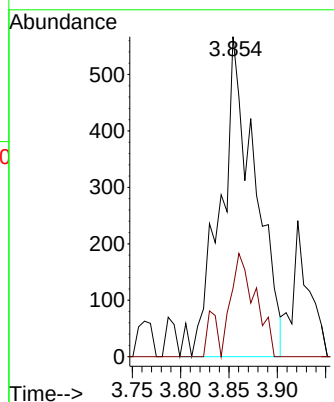
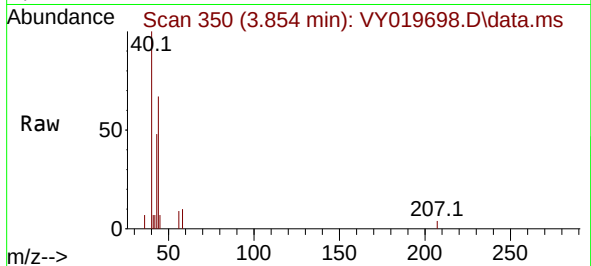




#16
Acetone
Concen: 6.088 ug/l
RT: 3.854 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY019698.D
Acq: 25 Sep 2024 16:24

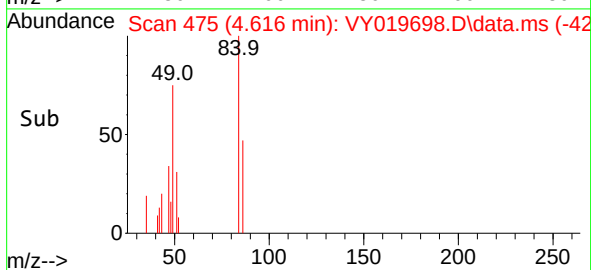
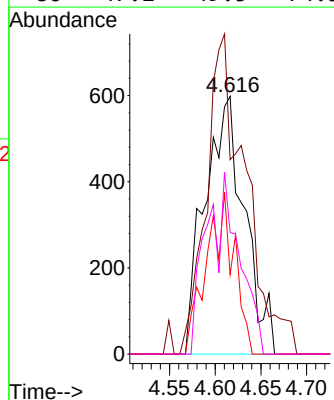
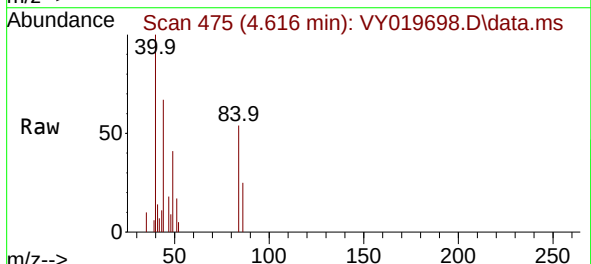
Instrument :
MSVOA_Y
ClientSampleId :

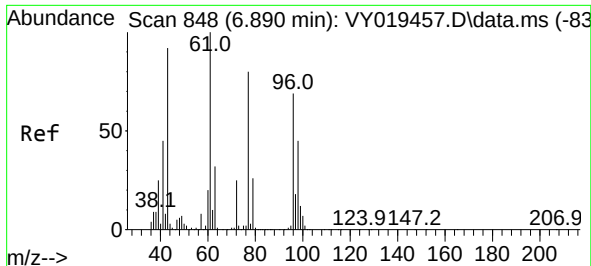
Tgt Ion: 43 Resp: 1421
Ion Ratio Lower Upper
43 100
58 21.3 31.7 47.5#



#20
Methylene Chloride
Concen: 1.691 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY019698.D
Acq: 25 Sep 2024 16:24

Tgt Ion: 84 Resp: 1800
Ion Ratio Lower Upper
84 100
49 75.4 84.4 126.6#
51 30.9 26.0 39.0
86 47.2 49.5 74.3#

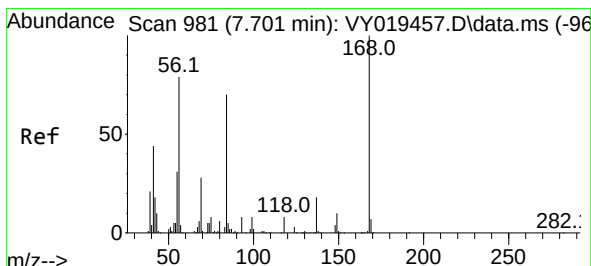
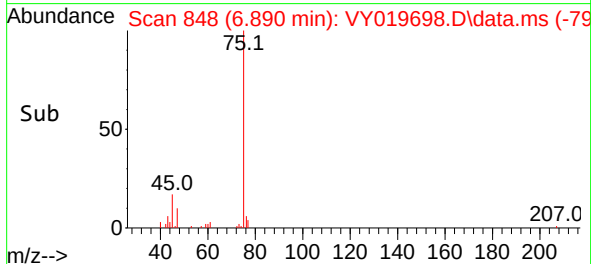
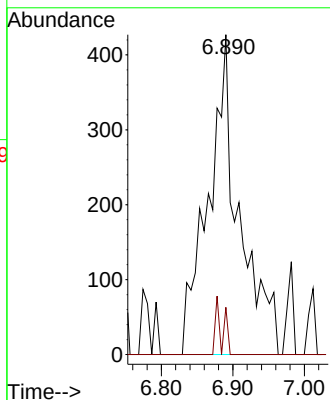
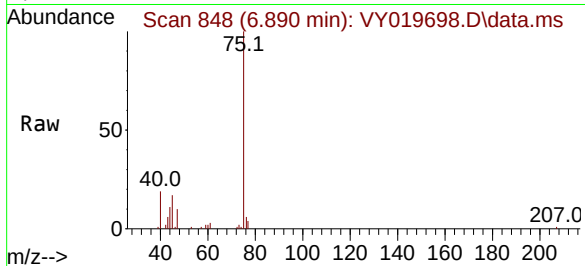




#25
2-Butanone
Concen: 3.868 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY019698.D
Acq: 25 Sep 2024 16:24

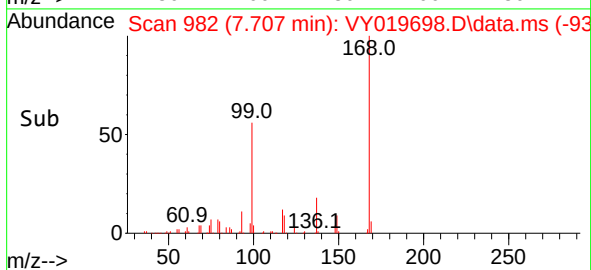
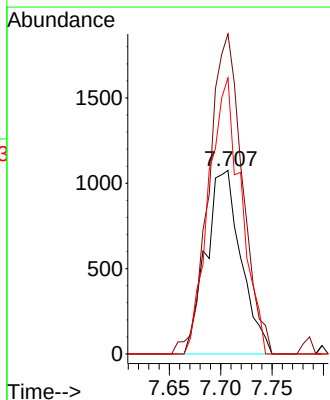
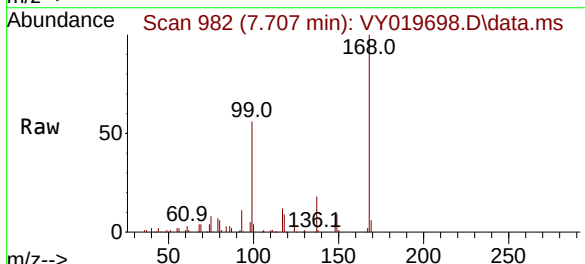
Instrument :
MSVOA_Y
ClientSampleId :

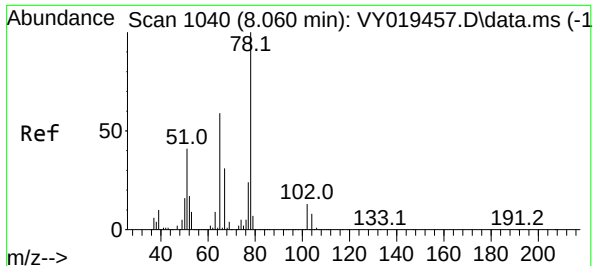
Tgt Ion: 43 Resp: 1284
Ion Ratio Lower Upper
43 100
72 14.8 27.3 40.9#



#31
Cyclohexane
Concen: 1.455 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY019698.D
Acq: 25 Sep 2024 16:24

Tgt Ion: 56 Resp: 2551
Ion Ratio Lower Upper
56 100
69 174.4 28.7 43.1#
84 150.4 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 40.313 ug/l

RT: 8.055 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY019698.D

Acq: 25 Sep 2024 16:24

Instrument :

MSVOA_Y

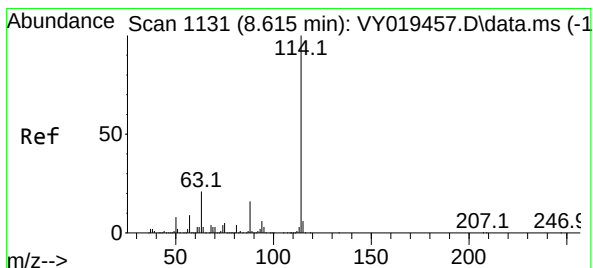
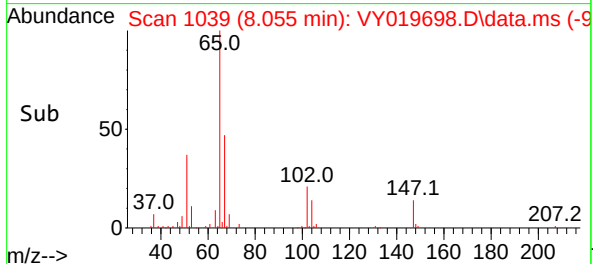
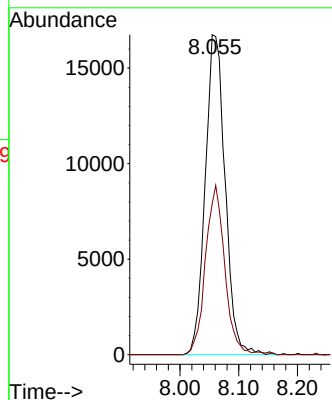
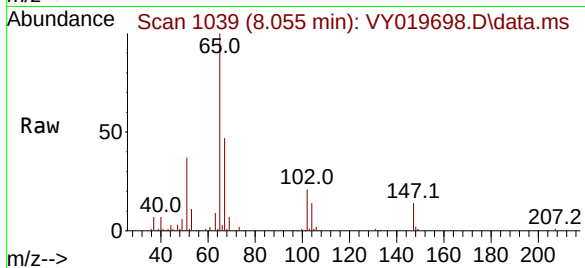
ClientSampleId :

Tgt Ion: 65 Resp: 39496

Ion Ratio Lower Upper

65 100

67 51.3 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: VY019698.D

Acq: 25 Sep 2024 16:24

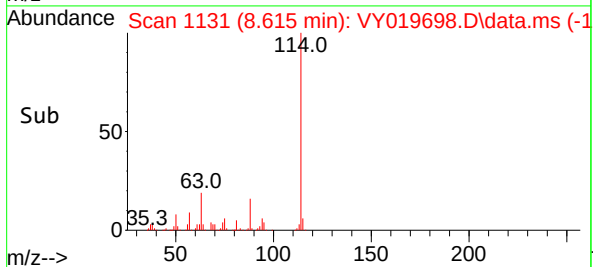
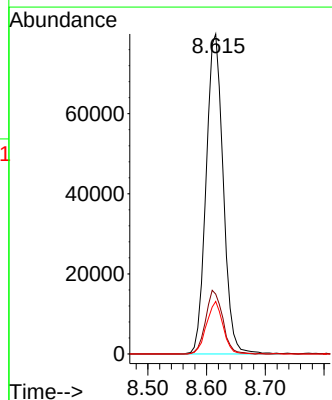
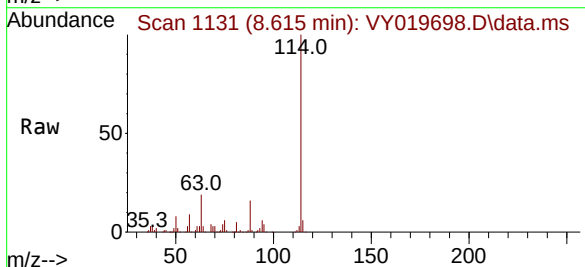
Tgt Ion: 114 Resp: 161515

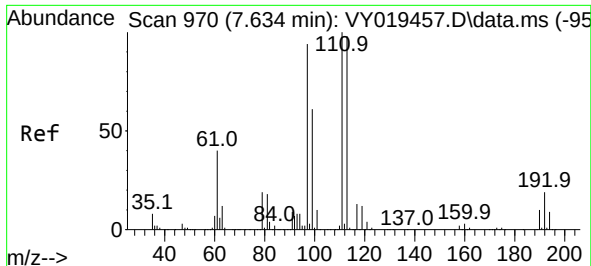
Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.0

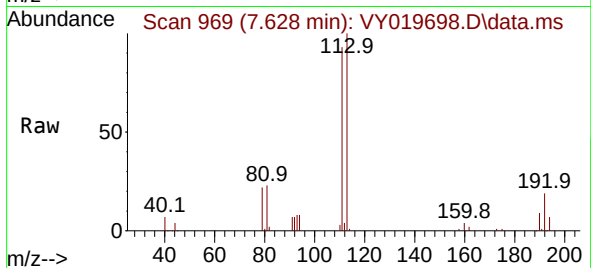
88 16.4 0.0 27.2



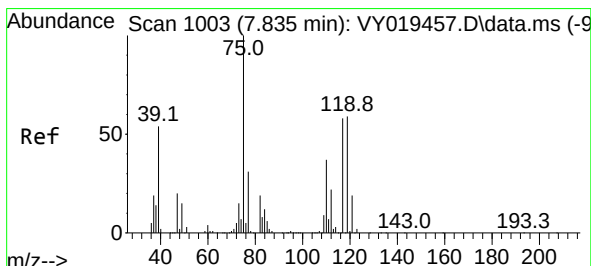
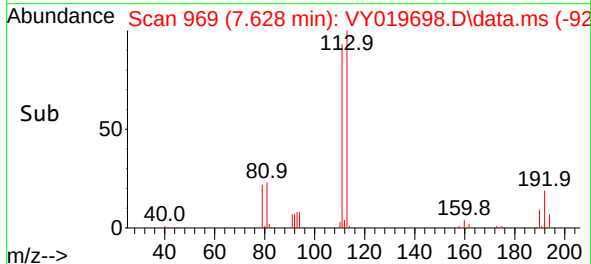
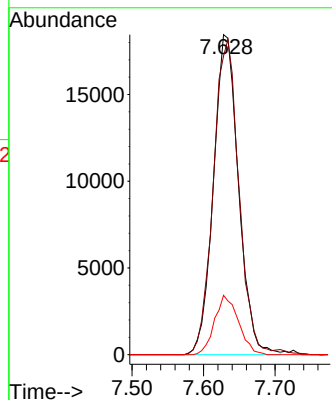


#35
Dibromofluoromethane
Concen: 49.077 ug/l
RT: 7.628 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY019698.D
Acq: 25 Sep 2024 16:24

Instrument :
MSVOA_Y
ClientSampleId :

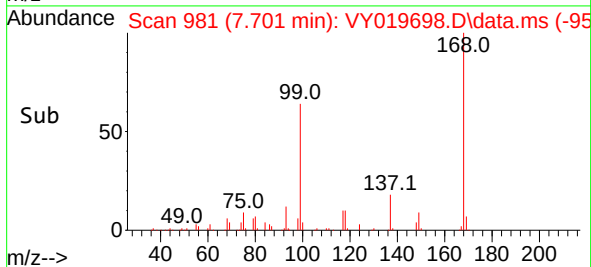
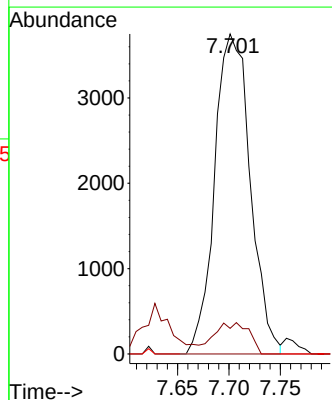
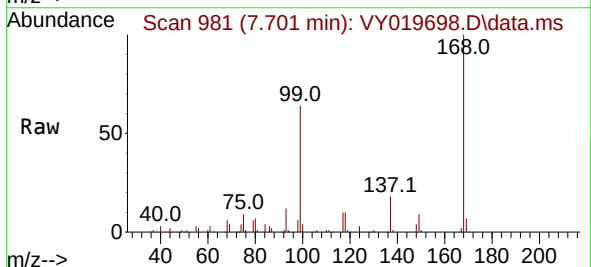


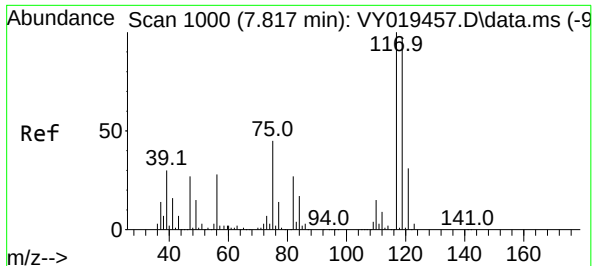
Tgt Ion:113 Resp: 44943
Ion Ratio Lower Upper
113 100
111 101.0 82.2 123.4
192 17.6 15.9 23.9



#36
1,1-Dichloropropene
Concen: 7.262 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY019698.D
Acq: 25 Sep 2024 16:24

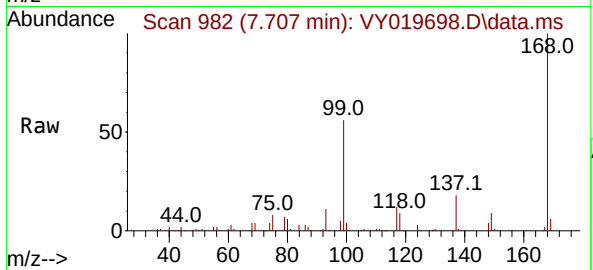
Tgt Ion: 75 Resp: 9049
Ion Ratio Lower Upper
75 100
110 9.5 19.0 57.0#
77 0.0 25.3 37.9#



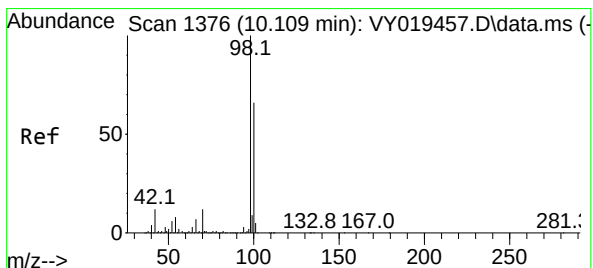
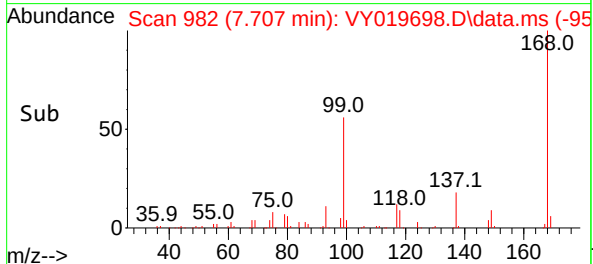
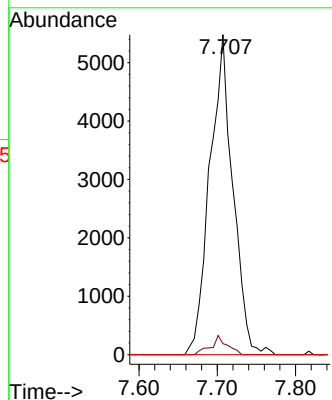


#38
Carbon Tetrachloride
Concen: 8.020 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY019698.D
Acq: 25 Sep 2024 16:24

Instrument :
MSVOA_Y
ClientSampleId :

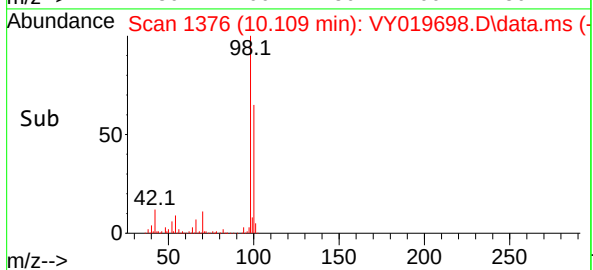
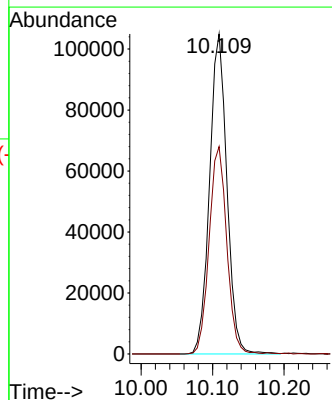
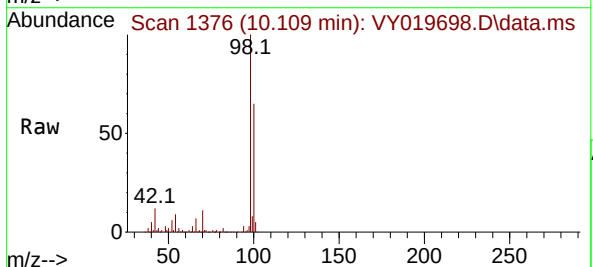


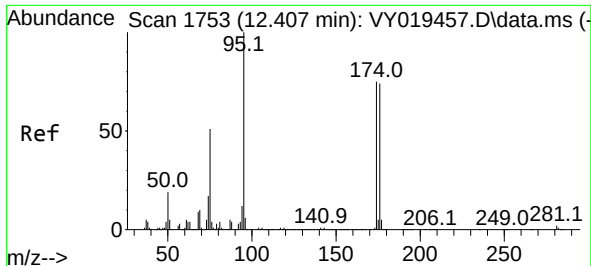
Tgt Ion:117 Resp: 11269
Ion Ratio Lower Upper
117 100
119 3.4 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 52.194 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY019698.D
Acq: 25 Sep 2024 16:24

Tgt Ion: 98 Resp: 176790
Ion Ratio Lower Upper
98 100
100 65.7 52.0 78.0

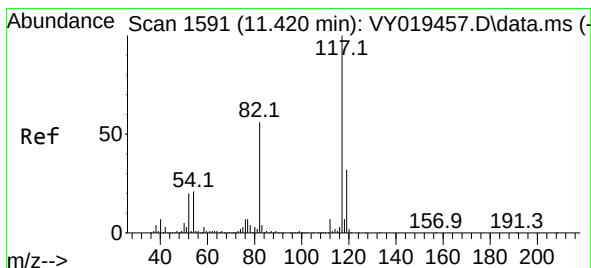
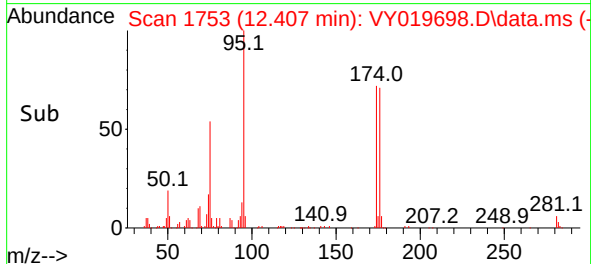
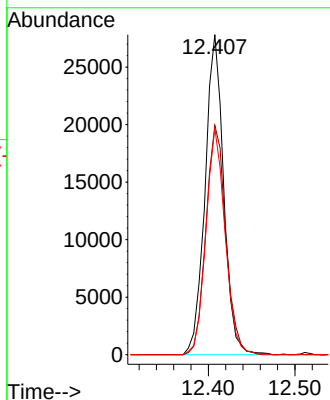
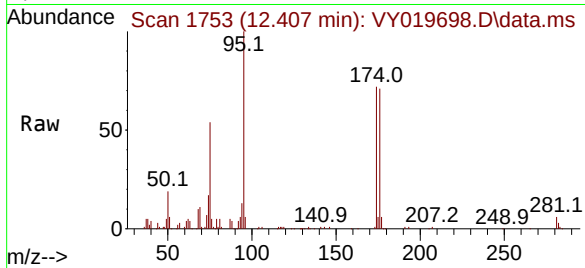




#62
4-Bromofluorobenzene
Concen: 31.857 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019698.D
Acq: 25 Sep 2024 16:24

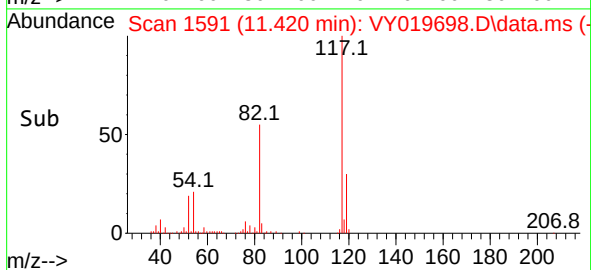
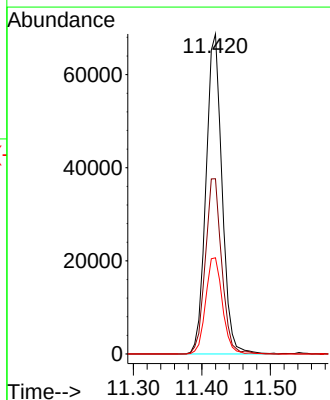
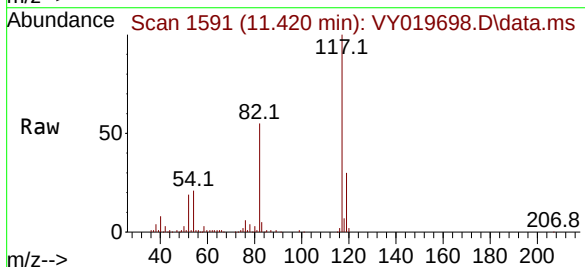
Instrument :
MSVOA_Y
ClientSampleId :

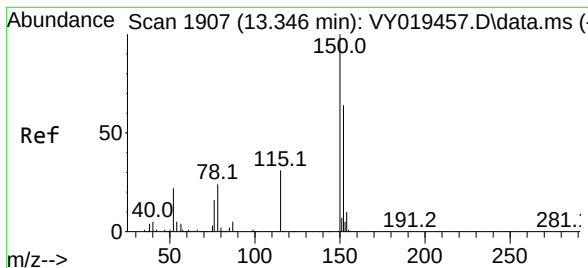
Tgt Ion: 95 Resp: 41491
Ion Ratio Lower Upper
95 100
174 76.6 0.0 175.6
176 72.7 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY019698.D
Acq: 25 Sep 2024 16:24

Tgt Ion: 117 Resp: 111955
Ion Ratio Lower Upper
117 100
82 54.7 42.4 63.6
119 30.1 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: VY019698.D

Acq: 25 Sep 2024 16:24

Instrument :

MSVOA_Y

ClientSampleId :

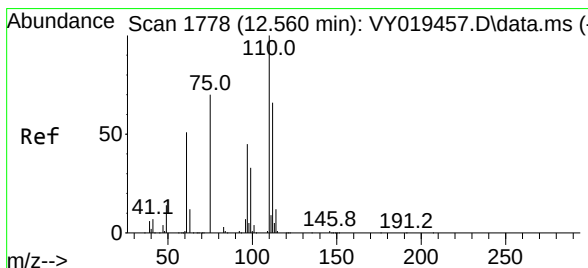
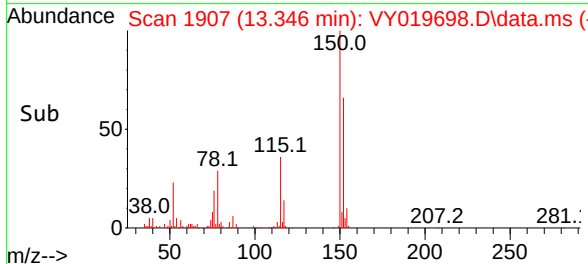
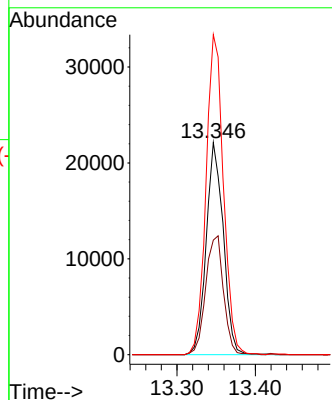
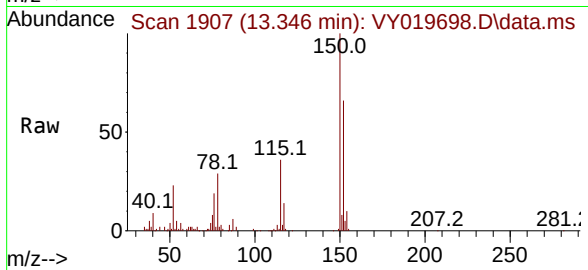
Tgt Ion:152 Resp: 33342

Ion Ratio Lower Upper

152 100

115 58.8 28.2 84.7

150 154.0 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 70.612 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019698.D

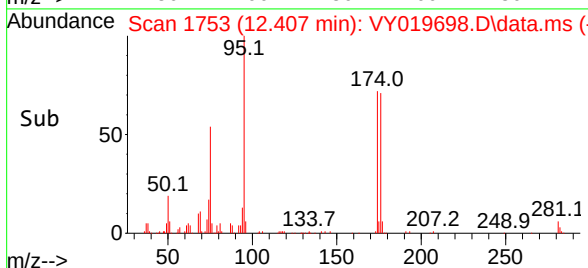
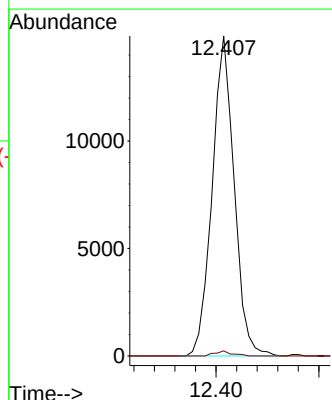
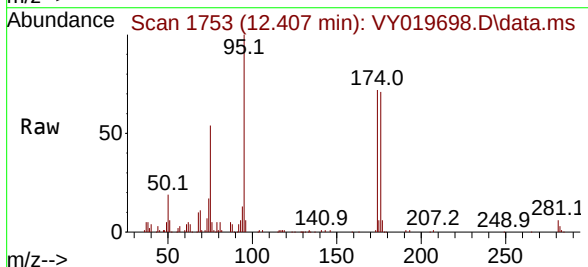
Acq: 25 Sep 2024 16:24

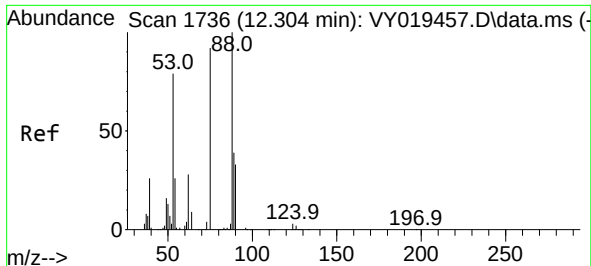
Tgt Ion: 75 Resp: 22067

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

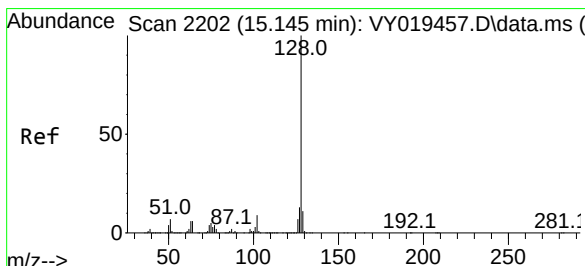
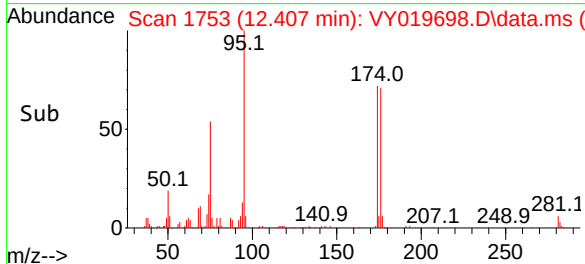
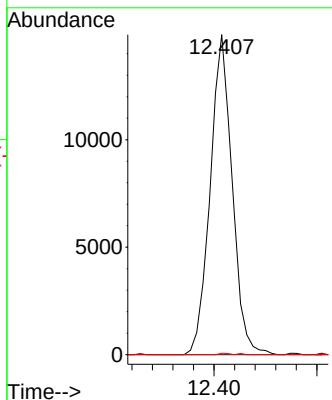
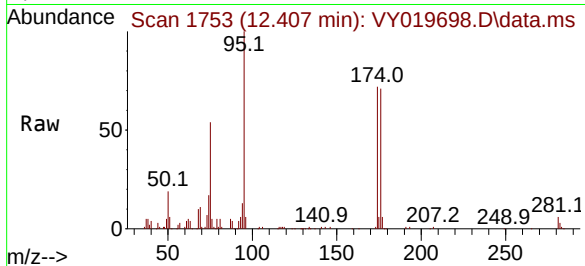




#81
trans-1,4-Dichloro-2-butene
Concen: 135.554 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY019698.D
Acq: 25 Sep 2024 16:24

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 22067
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.3 35.8 53.6#



#95
Naphthalene
Concen: 3.772 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY019698.D
Acq: 25 Sep 2024 16:24

Tgt Ion:128 Resp: 4274
Ion Ratio Lower Upper
128 100
127 16.7 10.6 16.0#
129 10.3 8.6 13.0

