

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
 Data File : VY019783.D
 Acq On : 03 Oct 2024 13:21
 Operator : SY/MD
 Sample : P4277-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 04 01:26:27 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)

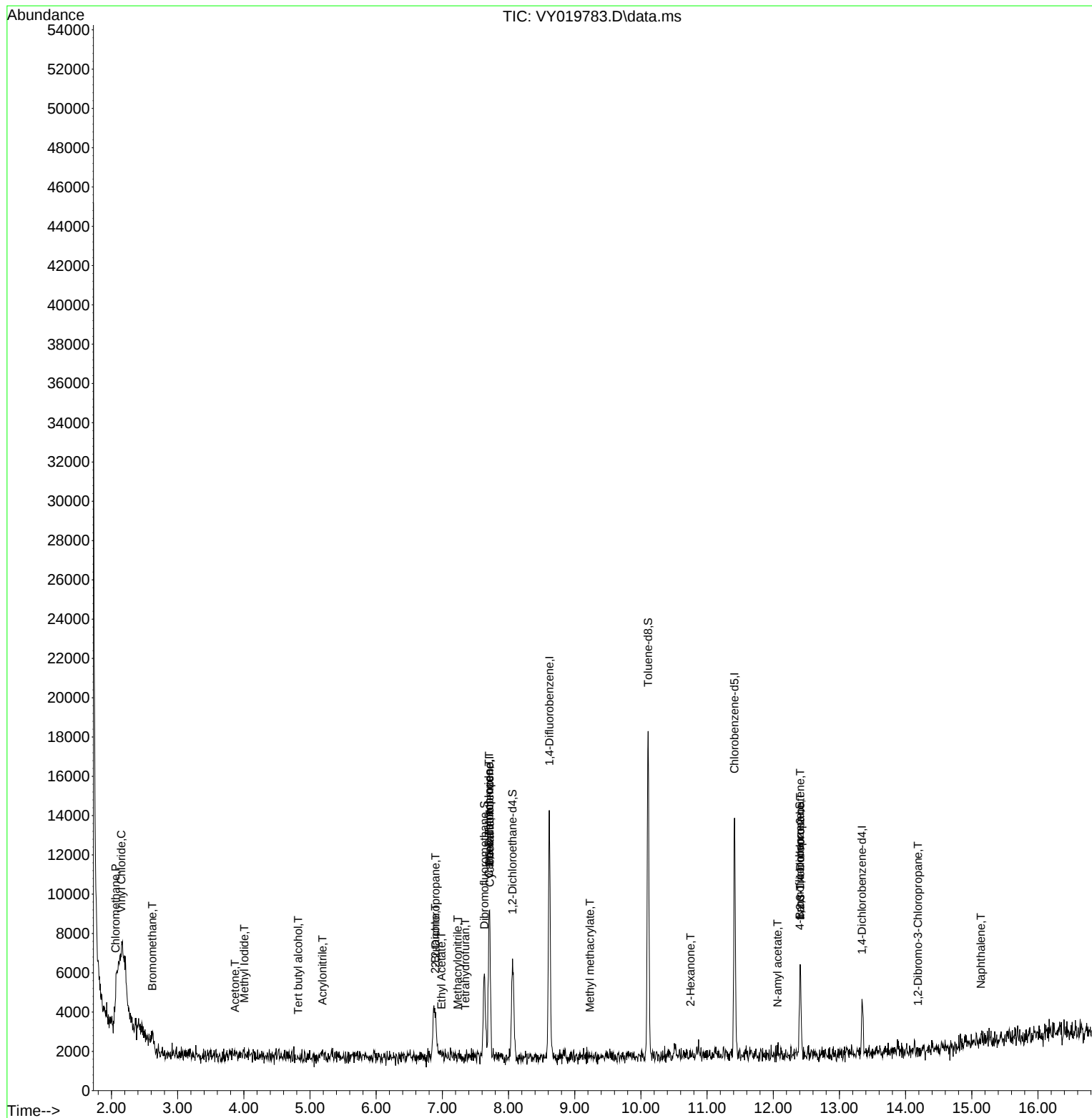
Internal Standards						
1) Pentafluorobenzene	7.713	168	5538	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	10243	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	6221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	4125	80.440	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 160.880%	
35) Dibromofluoromethane	7.634	113	3225	55.531	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.060%	
50) Toluene-d8	10.109	98	10956	51.003	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.000%	
62) 4-Bromofluorobenzene	12.402	95	1532	18.548	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 37.100%	
Target Compounds						
						Qvalue
3) Chloromethane	2.062	50	156	3.405	ug/l	# 43
4) Vinyl Chloride	2.147	62	52	1.050	ug/l	# 42
5) Bromomethane	2.617	94	103	3.384	ug/l	# 1
10) Methyl Iodide	4.007	142	89	1.359	ug/l	# 42
11) Tert butyl alcohol	4.824	59	19	4.588	ug/l	# 88
13) Acrolein	3.690	56	19	Below Cal	#	15
15) Acrylonitrile	5.189	53	41	3.430	ug/l	# 18
16) Acetone	3.866	43	285	23.328	ug/l	# 36
25) 2-Butanone	6.890	43	243	13.985	ug/l	# 41
26) 2,2-Dichloropropane	6.896	77	105	1.146	ug/l	# 51
29) Tetrahydrofuran	7.348	42	21	1.988	ug/l	# 26
31) Cyclohexane	7.719	56	106	1.155	ug/l	# 24
36) 1,1-Dichloropropene	7.707	75	533	6.745	ug/l	# 46
37) Ethyl Acetate	6.988	43	57	1.408	ug/l	# 67
38) Carbon Tetrachloride	7.701	117	627	7.036	ug/l	# 13
41) Methacrylonitrile	7.232	41	77	3.262	ug/l	# 30
48) Methyl methacrylate	9.231	41	89	2.216	ug/l	# 7
59) 2-Hexanone	10.749	43	88	2.805	ug/l	# 19
74) N-amyl acetate	12.066	43	52	3.187	ug/l	# 37
76) 1,2,3-Trichloropropane	12.408	75	784	101.143	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.408	75	784	194.165	ug/l	# 20
92) 1,2-Dibromo-3-Chloropr...	14.188	75	28	15.776	ug/l	# 1
95) Naphthalene	15.139	128	116	4.128	ug/l	# 69

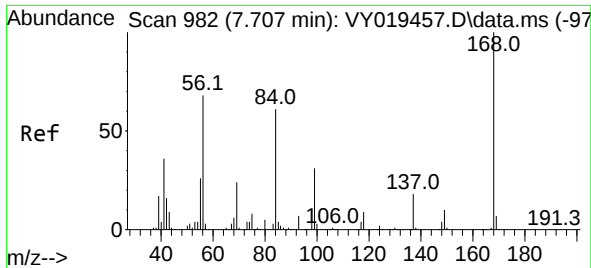
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 04 01:26:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
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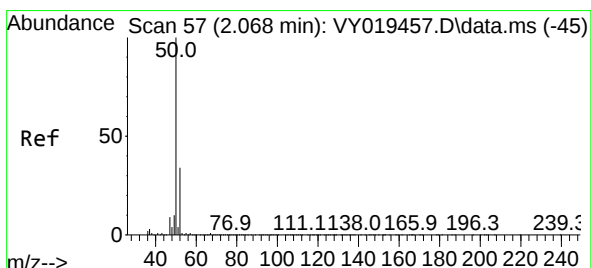
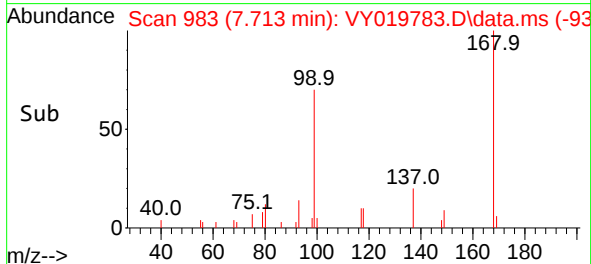
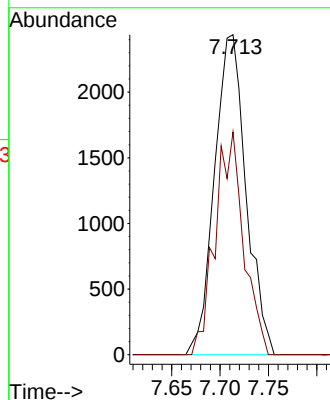
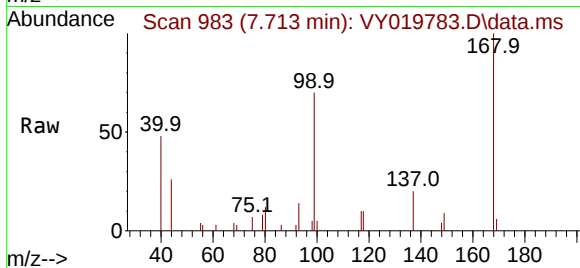




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019783.D
Acq: 03 Oct 2024 13:21

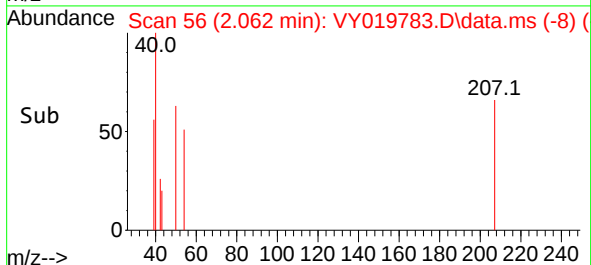
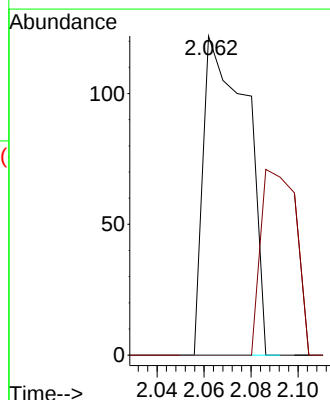
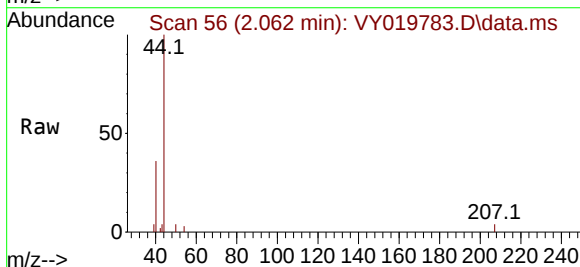
Instrument :
MSVOA_Y
ClientSampleId :

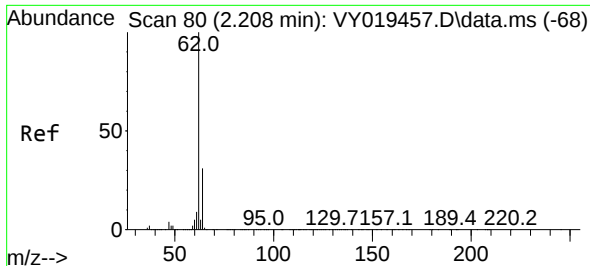
Tgt Ion:168 Resp: 5538
Ion Ratio Lower Upper
168 100
99 69.6 39.1 58.7#



#3
Chloromethane
Concen: 3.405 ug/l
RT: 2.062 min Scan# 56
Delta R.T. -0.006 min
Lab File: VY019783.D
Acq: 03 Oct 2024 13:21

Tgt Ion: 50 Resp: 156
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

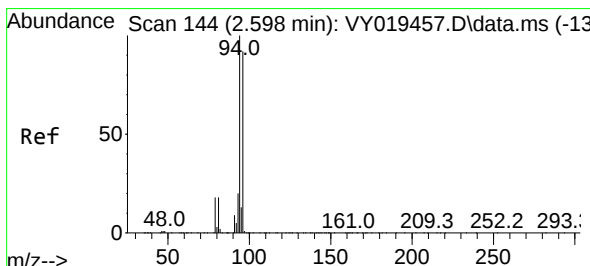
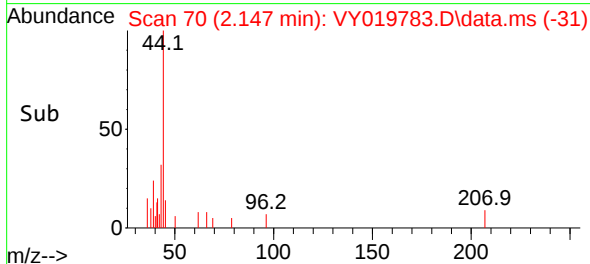
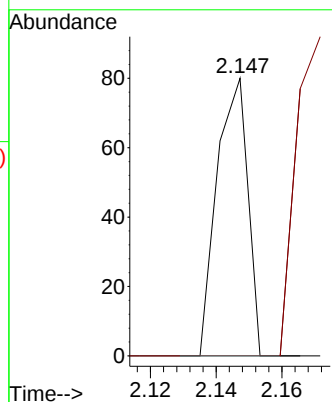
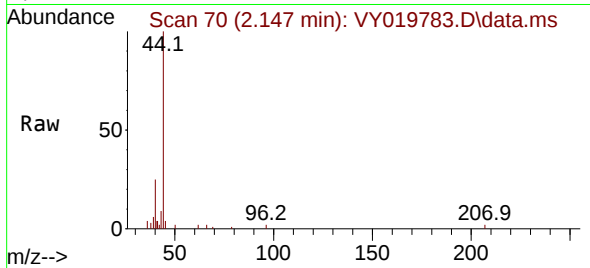




#4
 Vinyl Chloride
 Concen: 1.050 ug/l
 RT: 2.147 min Scan# 70
 Delta R.T. -0.061 min
 Lab File: VY019783.D
 Acq: 03 Oct 2024 13:21

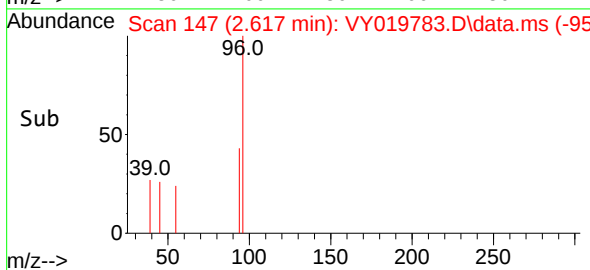
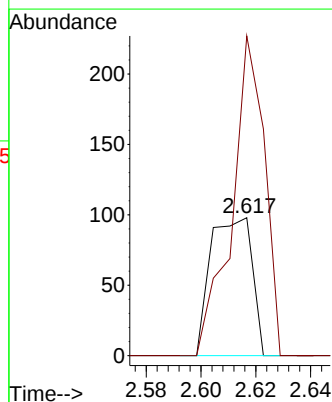
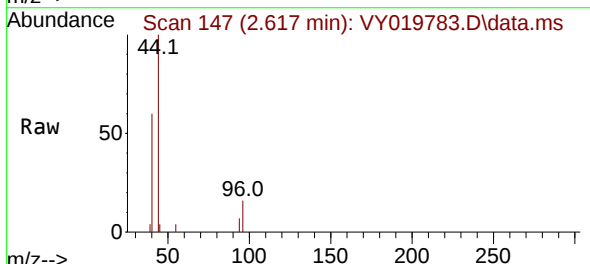
Instrument :
 MSVOA_Y
 ClientSampleId :

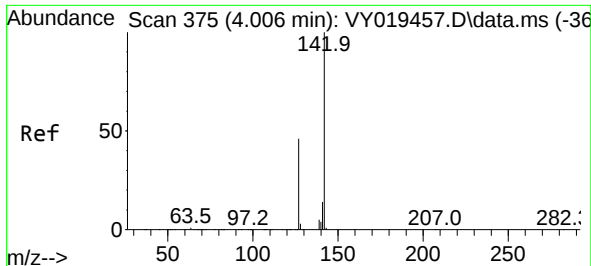
Tgt Ion: 62 Resp: 52
 Ion Ratio Lower Upper
 62 100
 64 0.0 26.1 39.1#



#5
 Bromomethane
 Concen: 3.384 ug/l
 RT: 2.617 min Scan# 147
 Delta R.T. 0.019 min
 Lab File: VY019783.D
 Acq: 03 Oct 2024 13:21

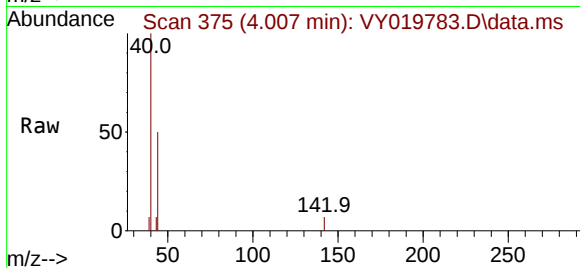
Tgt Ion: 94 Resp: 103
 Ion Ratio Lower Upper
 94 100
 96 231.6 74.1 111.1#



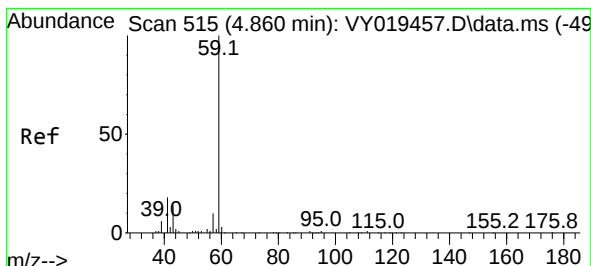
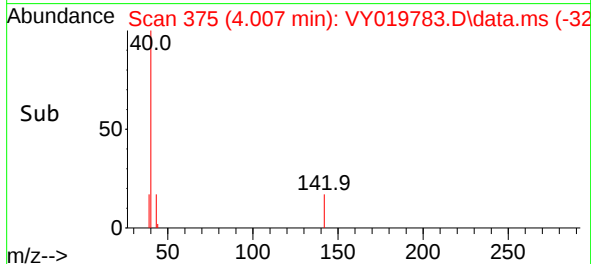
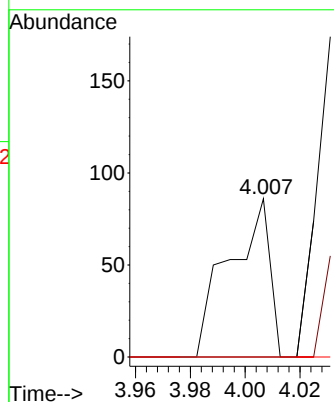


#10
Methyl Iodide
Concen: 1.359 ug/l
RT: 4.007 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY019783.D
Acq: 03 Oct 2024 13:21

Instrument :
MSVOA_Y
ClientSampleId :

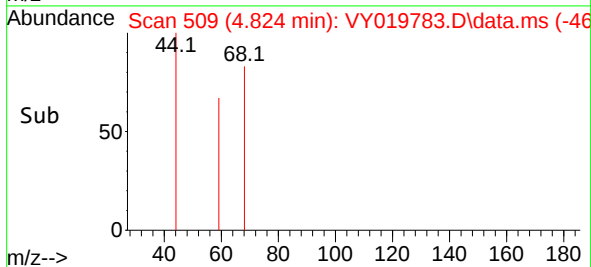
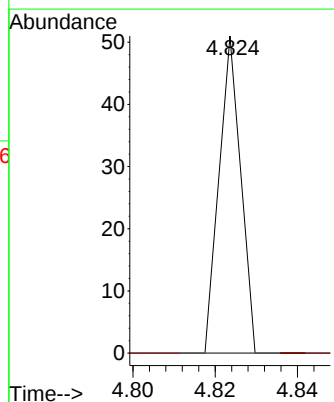
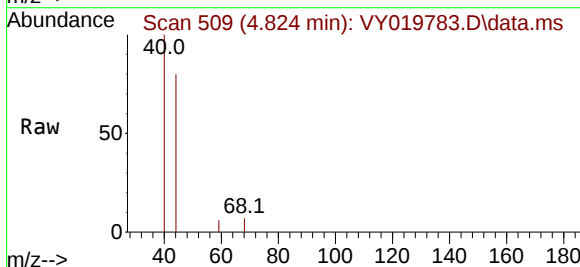


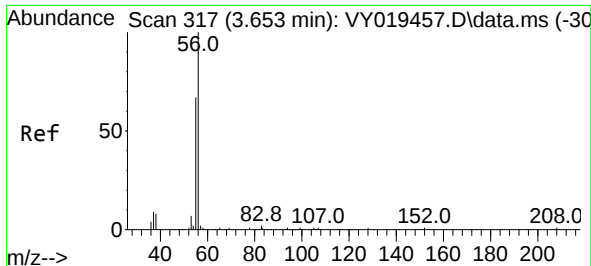
Tgt Ion:142 Resp: 89
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 4.588 ug/l
RT: 4.824 min Scan# 509
Delta R.T. -0.036 min
Lab File: VY019783.D
Acq: 03 Oct 2024 13:21

Tgt Ion: 59 Resp: 19
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

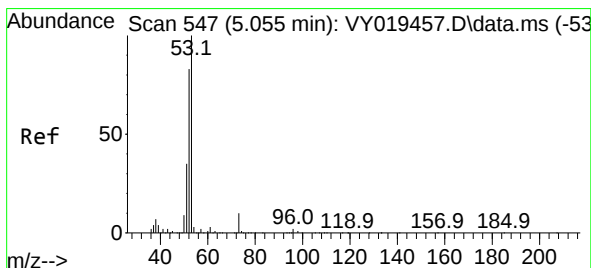
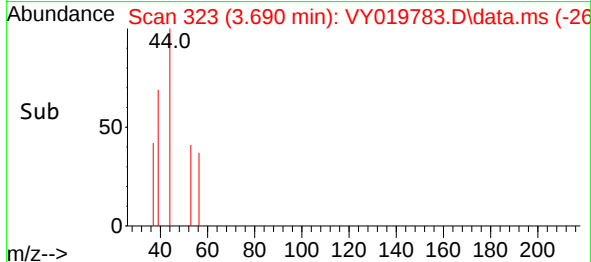
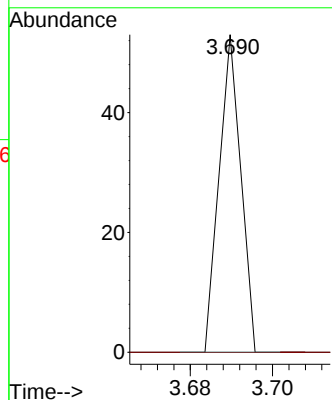
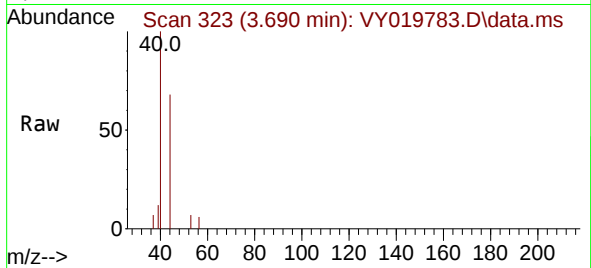




#13
Acrolein
Concen: Below Cal
RT: 3.690 min Scan# 317
Delta R.T. 0.037 min
Lab File: VY019783.D
Acq: 03 Oct 2024 13:21

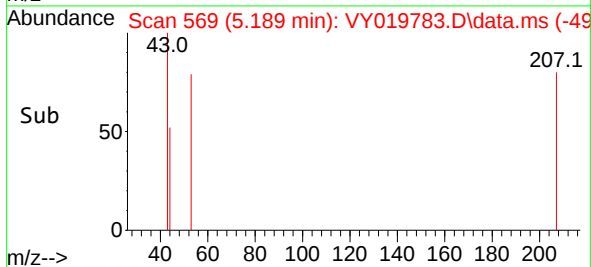
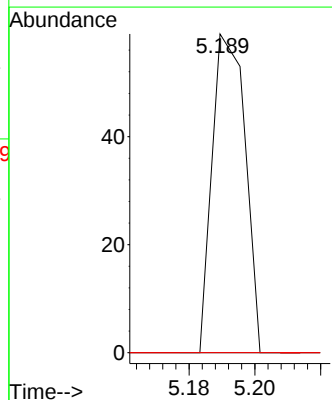
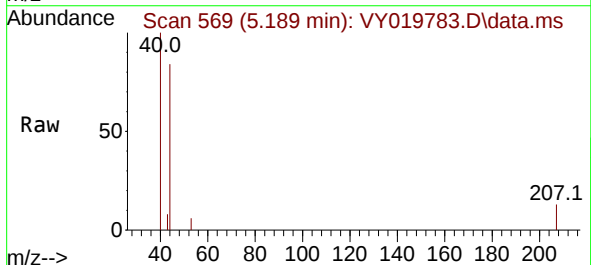
Instrument :
MSVOA_Y
ClientSampleId :

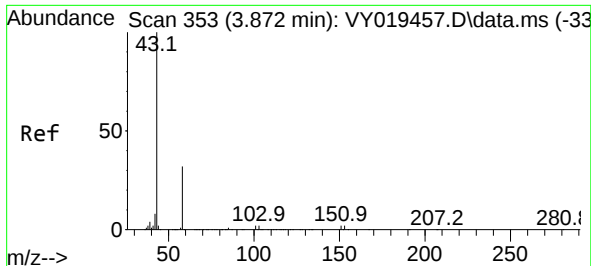
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



#15
Acrylonitrile
Concen: 3.430 ug/l
RT: 5.189 min Scan# 569
Delta R.T. 0.134 min
Lab File: VY019783.D
Acq: 03 Oct 2024 13:21

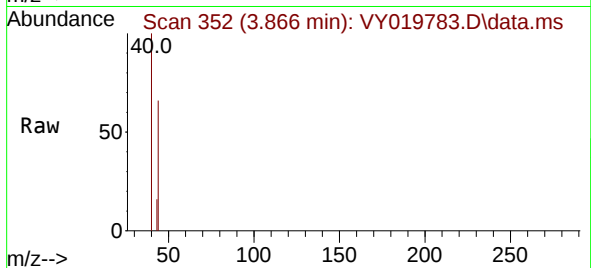
Tgt Ion: 53 Resp: 41
Ion Ratio Lower Upper
53 100
52 0.0 64.7 97.1#
51 0.0 28.4 42.6#



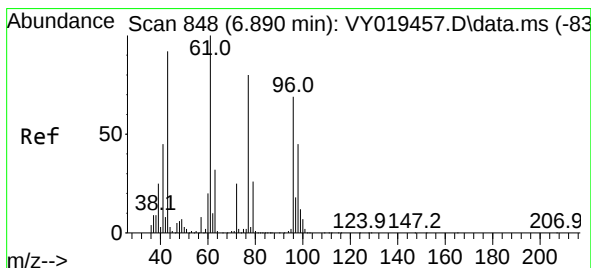
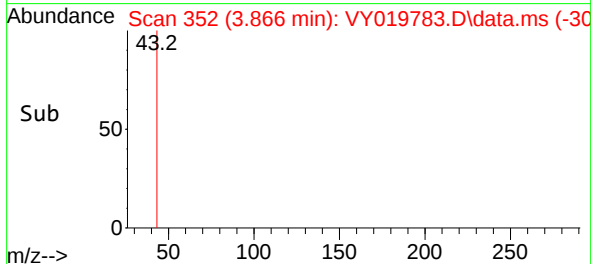
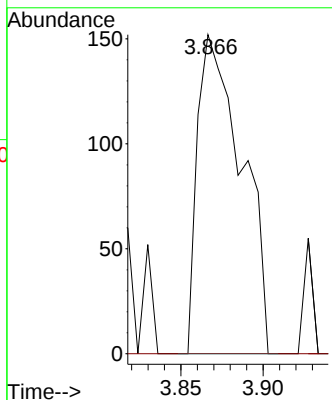


#16
Acetone
Concen: 23.328 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY019783.D
Acq: 03 Oct 2024 13:21

Instrument :
MSVOA_Y
ClientSampleId :

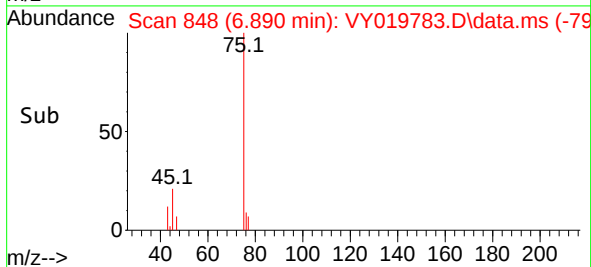
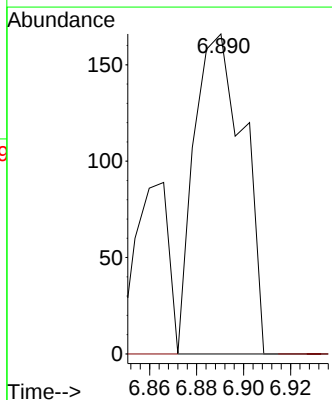
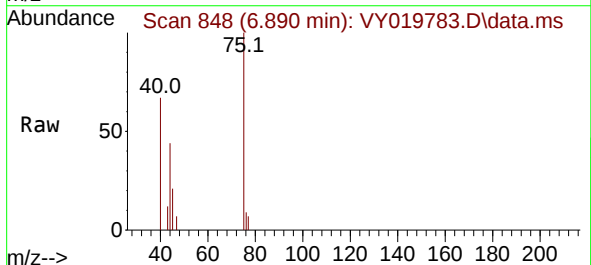


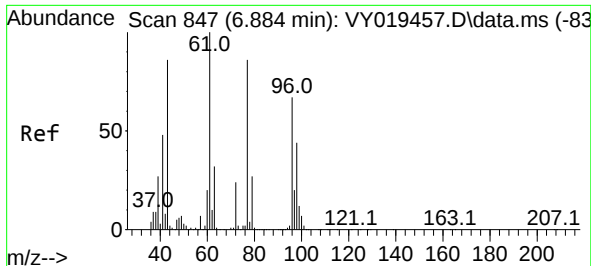
Tgt Ion: 43 Resp: 285
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



#25
2-Butanone
Concen: 13.985 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY019783.D
Acq: 03 Oct 2024 13:21

Tgt Ion: 43 Resp: 243
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#





#26

2,2-Dichloropropane

Concen: 1.146 ug/l

RT: 6.896 min Scan# 847

Delta R.T. 0.013 min

Lab File: VY019783.D

Acq: 03 Oct 2024 13:21

Instrument :

MSVOA_Y

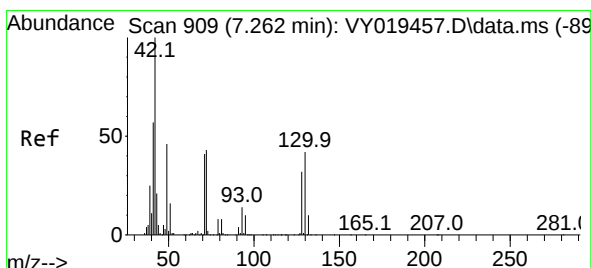
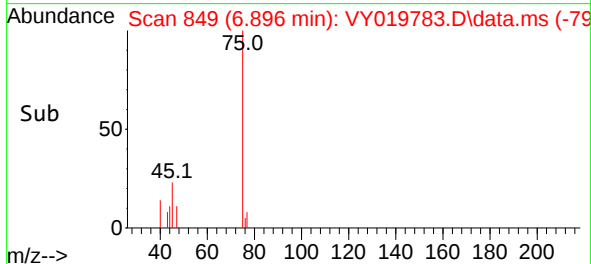
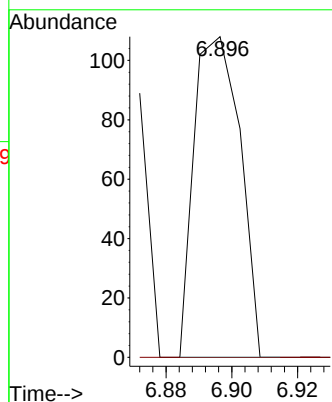
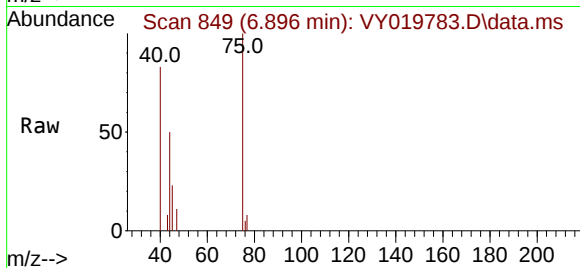
ClientSampleId :

Tgt Ion: 77 Resp: 105

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.1#



#29

Tetrahydrofuran

Concen: 1.988 ug/l

RT: 7.348 min Scan# 923

Delta R.T. 0.086 min

Lab File: VY019783.D

Acq: 03 Oct 2024 13:21

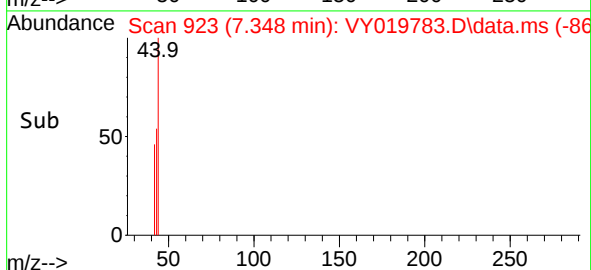
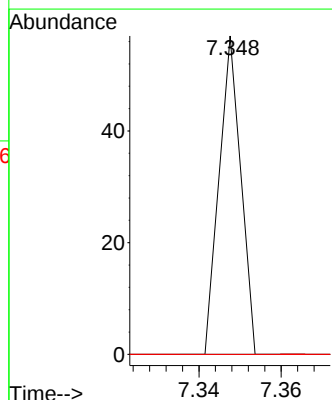
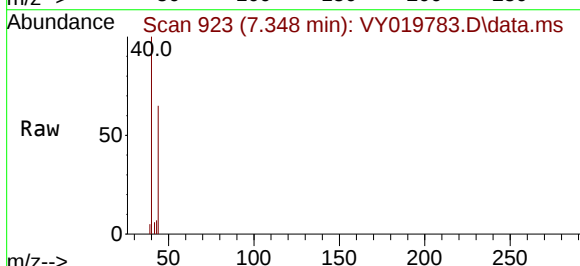
Tgt Ion: 42 Resp: 21

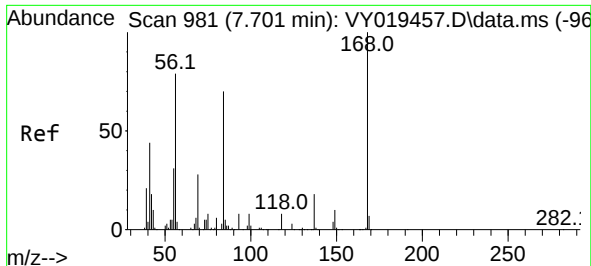
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

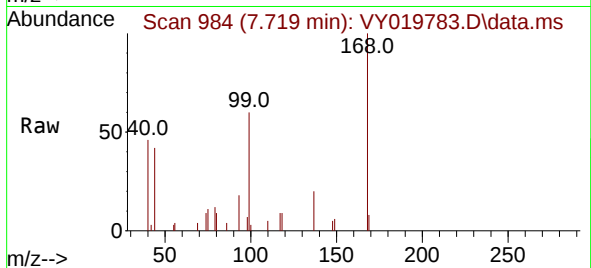
71 0.0 40.8 61.2#



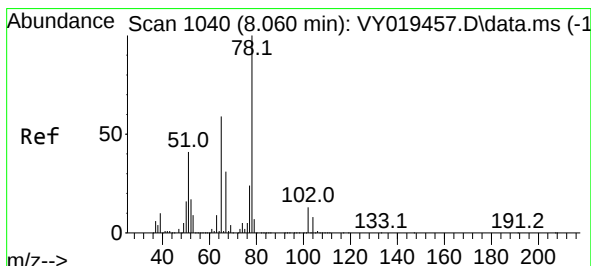
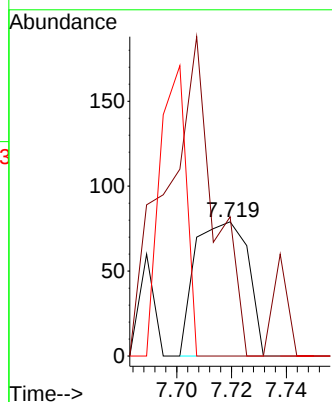
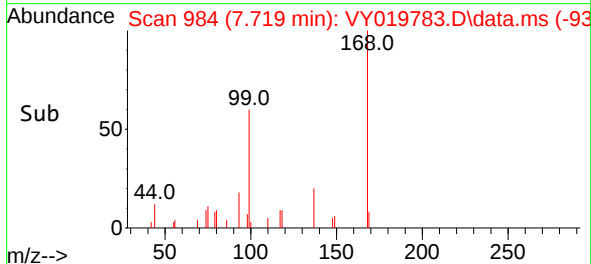


#31
Cyclohexane
Concen: 1.155 ug/l
RT: 7.719 min Scan# 981
Delta R.T. 0.019 min
Lab File: VY019783.D
Acq: 03 Oct 2024 13:21

Instrument :
MSVOA_Y
ClientSampleId :

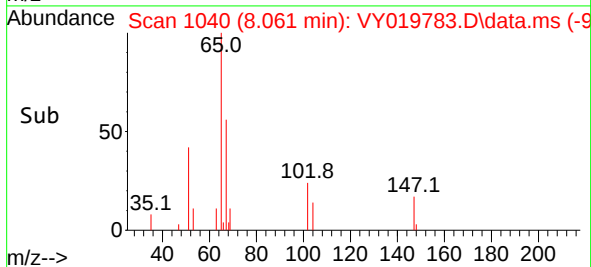
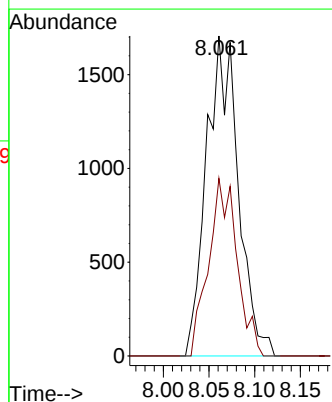
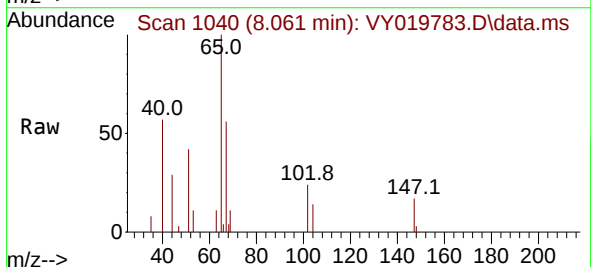


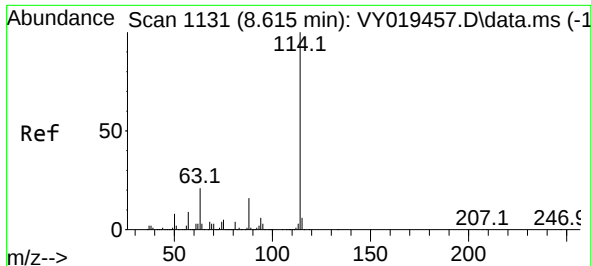
Tgt Ion: 56 Resp: 106
Ion Ratio Lower Upper
56 100
69 27.8 28.7 43.1#
84 0.0 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 80.440 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019783.D
Acq: 03 Oct 2024 13:21

Tgt Ion: 65 Resp: 4125
Ion Ratio Lower Upper
65 100
67 49.7 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

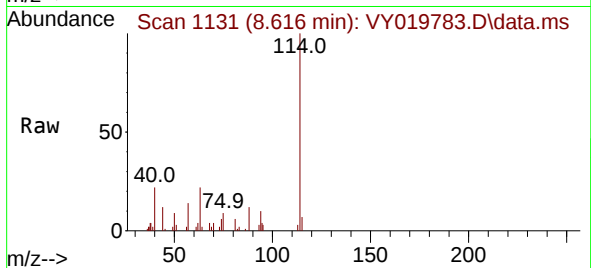
Lab File: VY019783.D

Acq: 03 Oct 2024 13:21

Instrument :

MSVOA_Y

ClientSampleId :



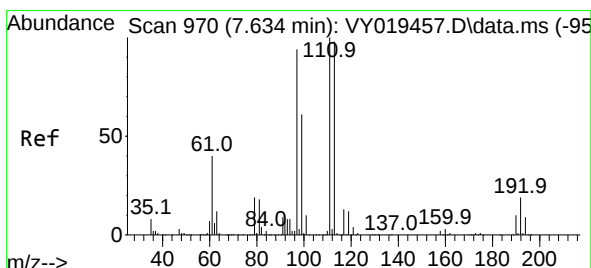
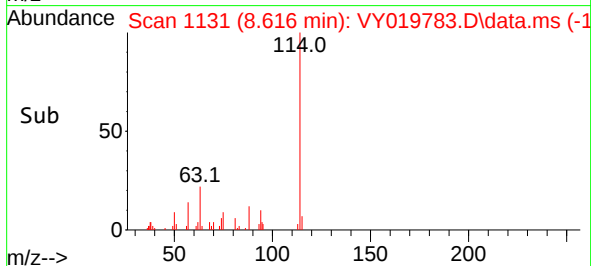
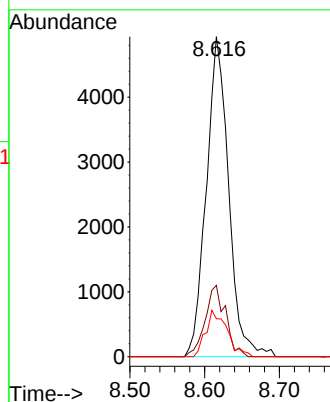
Tgt Ion:114 Resp: 10243

Ion Ratio Lower Upper

114 100

63 22.3 0.0 35.0

88 11.8 0.0 27.2



#35

Dibromofluoromethane

Concen: 55.531 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY019783.D

Acq: 03 Oct 2024 13:21

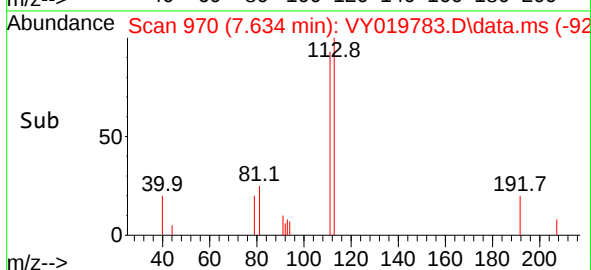
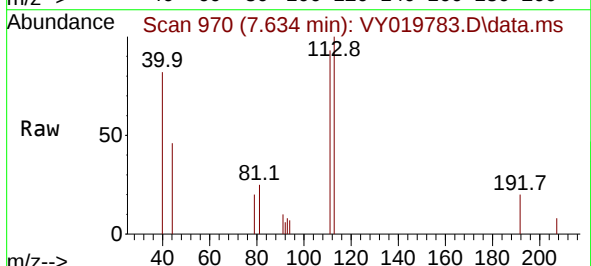
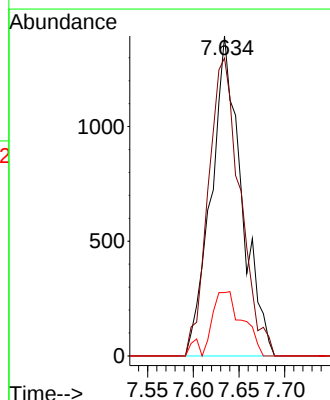
Tgt Ion:113 Resp: 3225

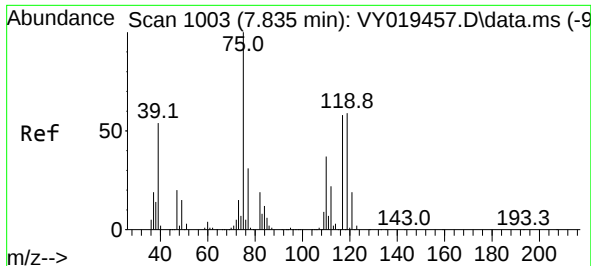
Ion Ratio Lower Upper

113 100

111 97.9 82.2 123.4

192 21.1 15.9 23.9





#36

1,1-Dichloropropene

Concen: 6.745 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

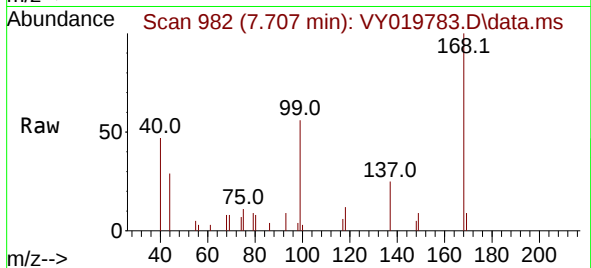
Lab File: VY019783.D

Acq: 03 Oct 2024 13:21

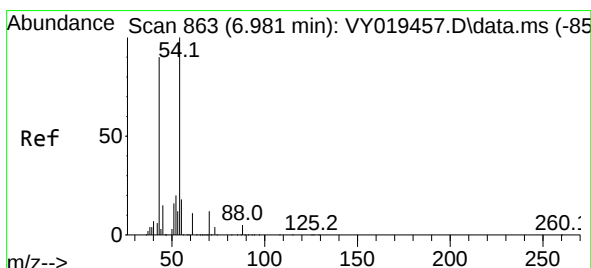
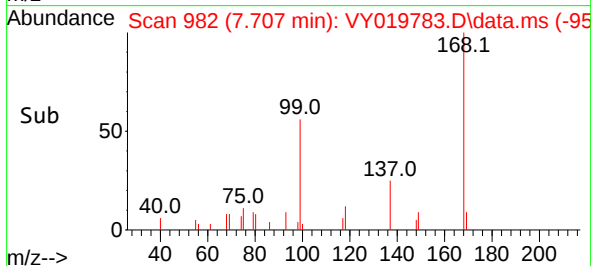
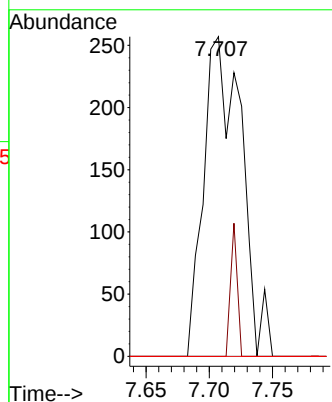
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 533
Ion Ratio	Lower Upper
75	100
110	7.3 19.0 57.0#
77	0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: 1.408 ug/l

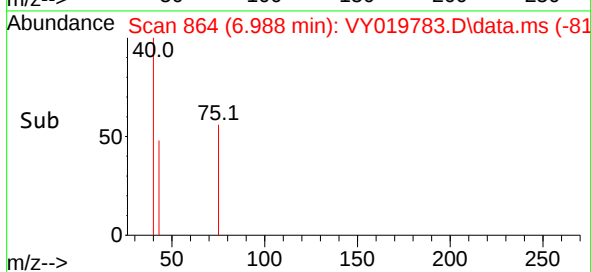
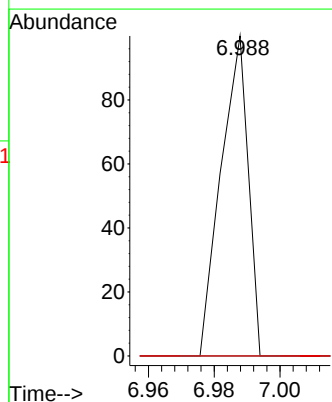
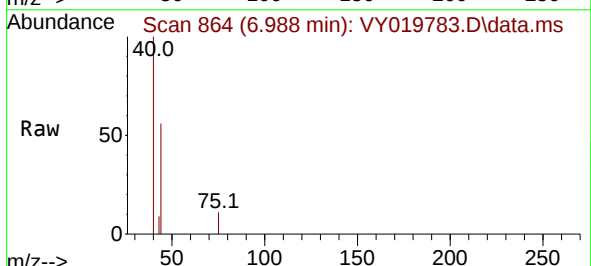
RT: 6.988 min Scan# 864

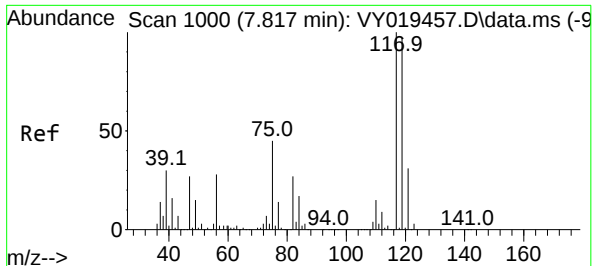
Delta R.T. 0.006 min

Lab File: VY019783.D

Acq: 03 Oct 2024 13:21

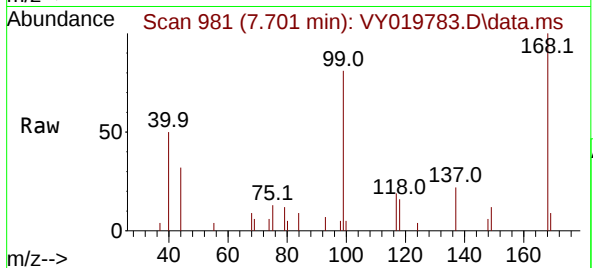
Tgt Ion: 43	Resp: 57
Ion Ratio	Lower Upper
43	100
61	0.0 12.6 19.0#
70	0.0 7.8 11.8#



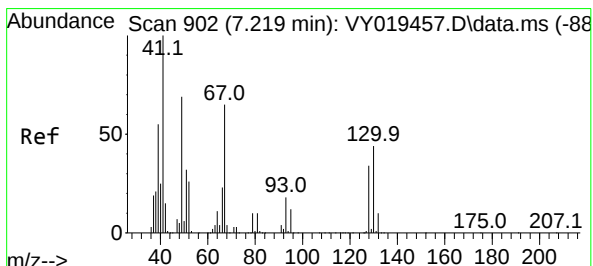
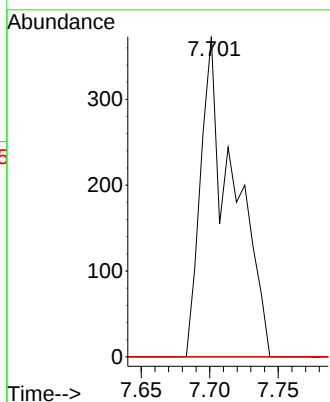
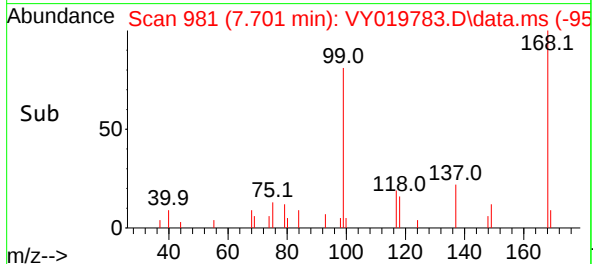


#38
Carbon Tetrachloride
Concen: 7.036 ug/l
RT: 7.701 min Scan# 901
Delta R.T. -0.116 min
Lab File: VY019783.D
Acq: 03 Oct 2024 13:21

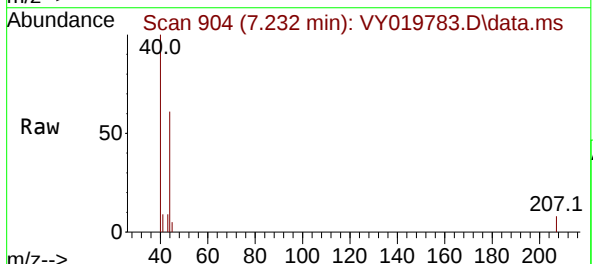
Instrument :
MSVOA_Y
ClientSampleId :



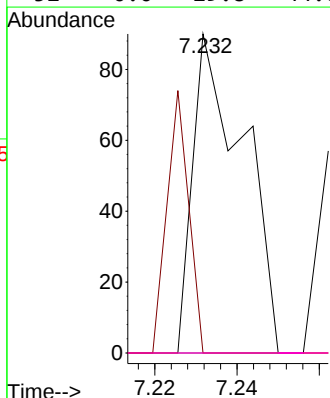
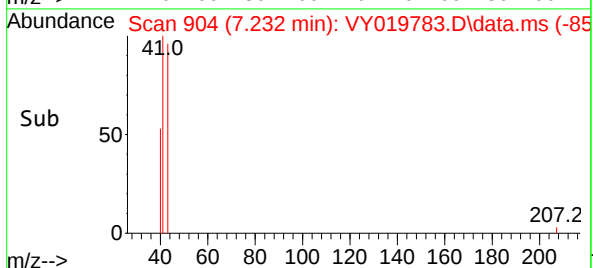
Tgt Ion:117 Resp: 627
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#

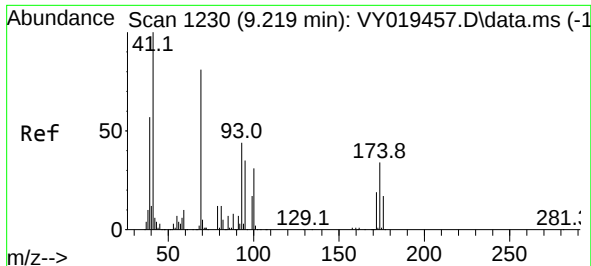


#41
Methacrylonitrile
Concen: 3.262 ug/l
RT: 7.232 min Scan# 904
Delta R.T. 0.013 min
Lab File: VY019783.D
Acq: 03 Oct 2024 13:21



Tgt Ion: 41 Resp: 77
Ion Ratio Lower Upper
41 100
39 35.1 48.0 72.0#
67 0.0 75.1 112.7#
52 0.0 29.8 44.6#





#48

Methyl methacrylate

Concen: 2.216 ug/l

RT: 9.231 min Scan# 11

Delta R.T. 0.013 min

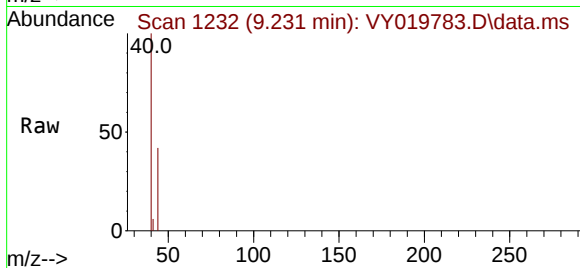
Lab File: VY019783.D

Acq: 03 Oct 2024 13:21

Instrument :

MSVOA_Y

ClientSampleId :



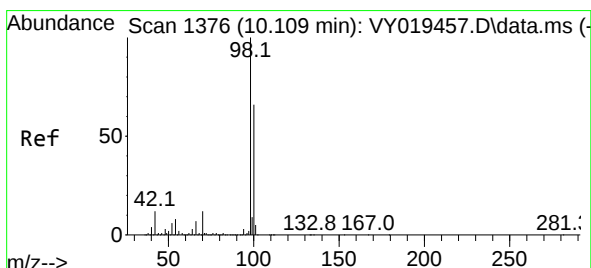
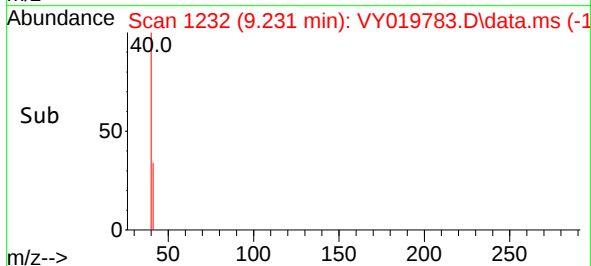
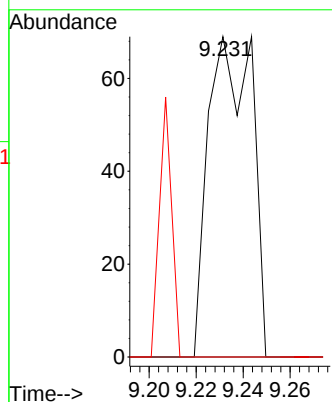
Tgt Ion: 41 Resp: 89

Ion Ratio Lower Upper

41 100

69 0.0 84.1 126.1#

39 0.0 43.6 65.4#



#50

Toluene-d8

Concen: 51.003 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY019783.D

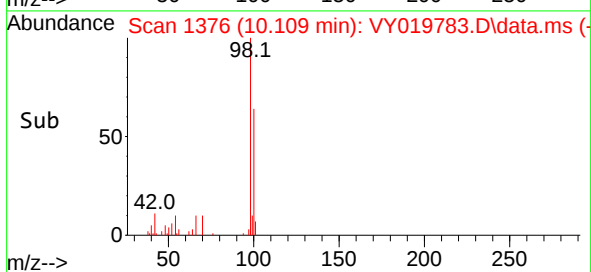
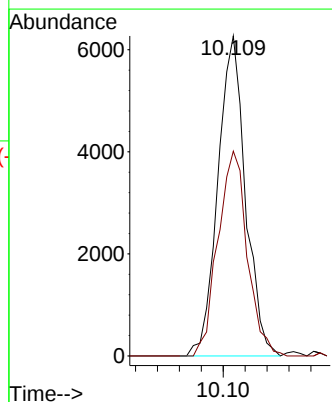
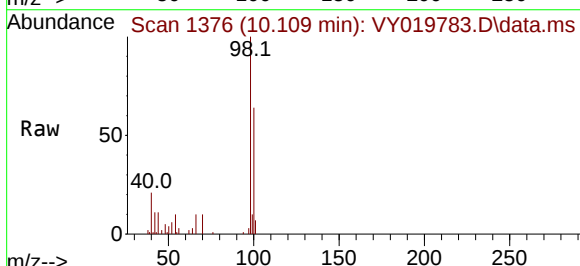
Acq: 03 Oct 2024 13:21

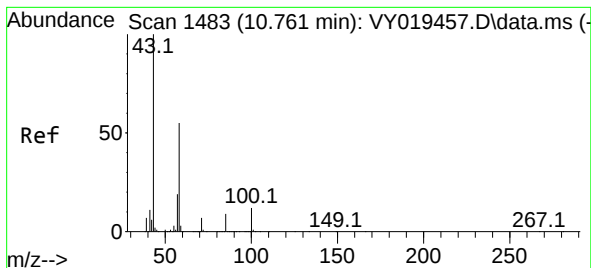
Tgt Ion: 98 Resp: 10956

Ion Ratio Lower Upper

98 100

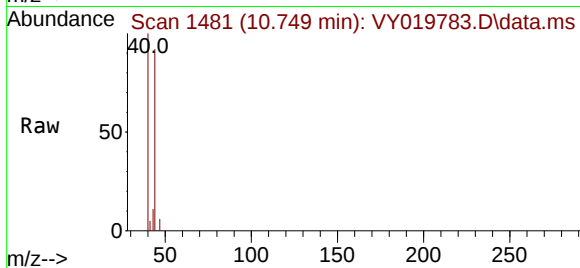
100 68.0 52.0 78.0



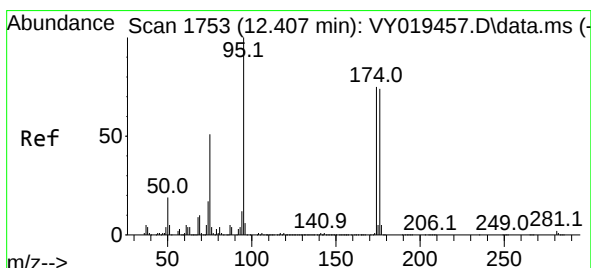
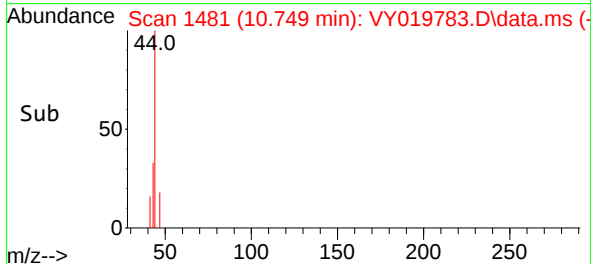
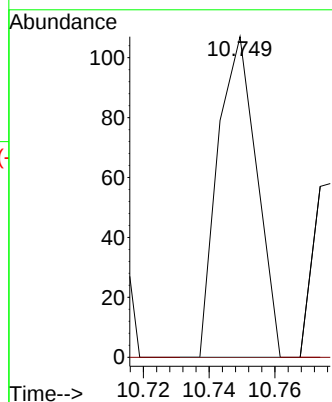


#59
2-Hexanone
Concen: 2.805 ug/l
RT: 10.749 min Scan# 1481
Delta R.T. -0.012 min
Lab File: VY019783.D
Acq: 03 Oct 2024 13:21

Instrument :
MSVOA_Y
ClientSampleId :

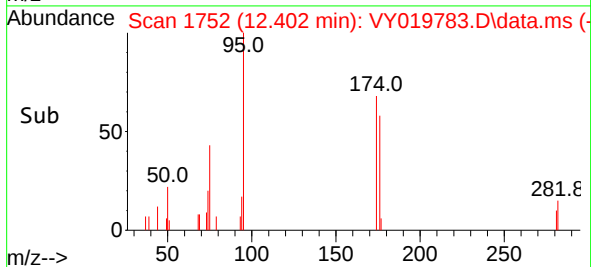
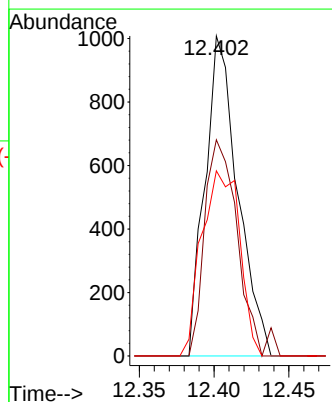
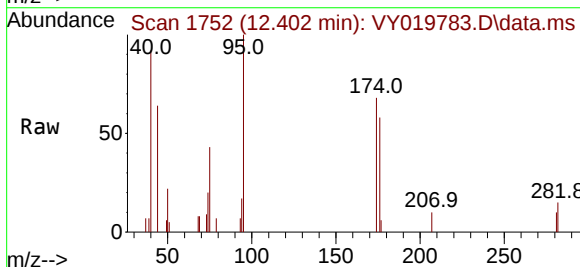


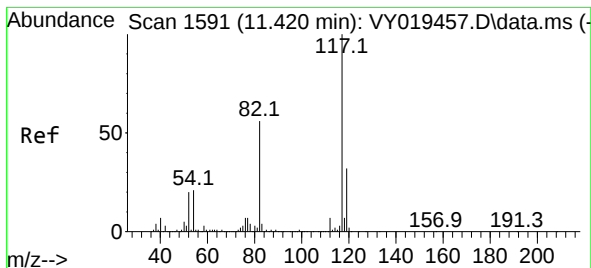
Tgt Ion: 43 Resp: 88
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 18.548 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019783.D
Acq: 03 Oct 2024 13:21

Tgt Ion: 95 Resp: 1532
Ion Ratio Lower Upper
95 100
174 68.3 0.0 175.6
176 67.1 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: VY019783.D

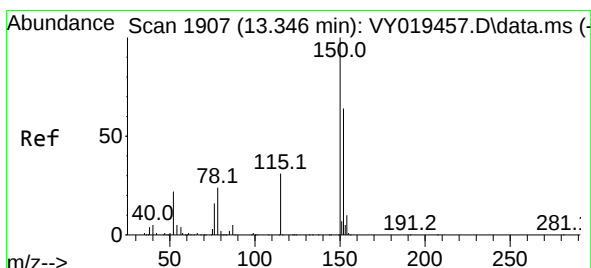
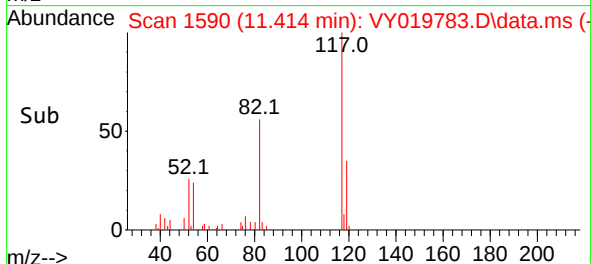
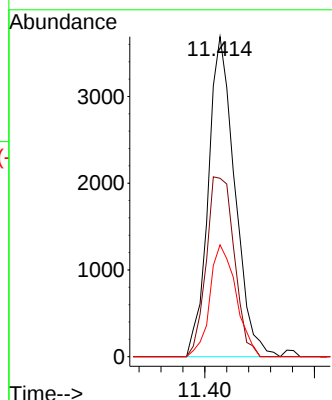
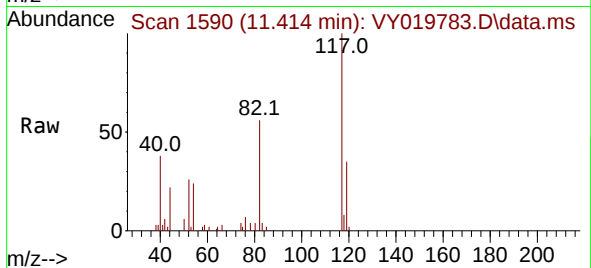
Acq: 03 Oct 2024 13:21

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	6221
Ion	Ratio	Lower Upper
117	100	
82	55.7	42.4 63.6
119	35.0	25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

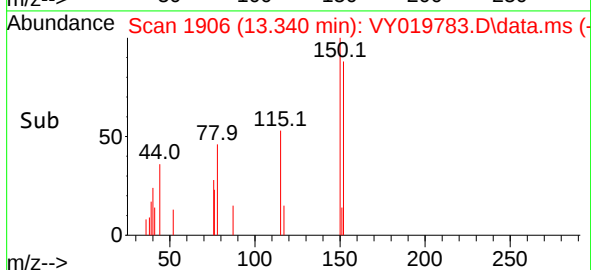
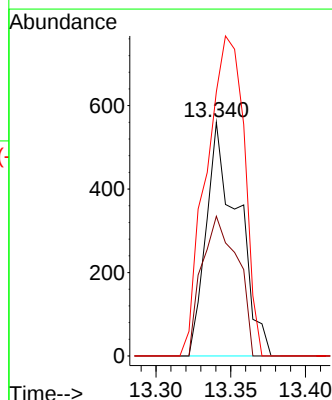
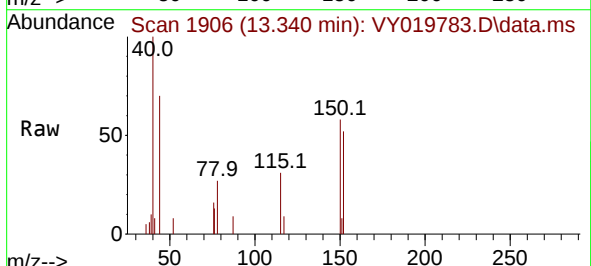
RT: 13.340 min Scan# 1906

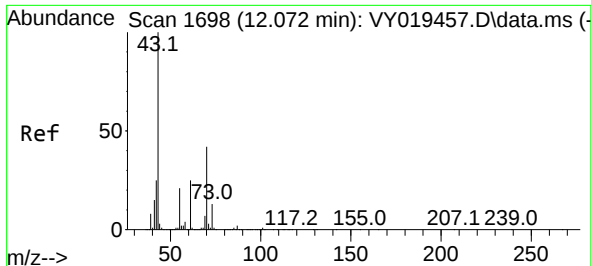
Delta R.T. -0.006 min

Lab File: VY019783.D

Acq: 03 Oct 2024 13:21

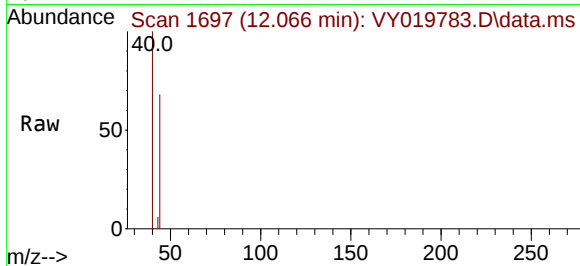
Tgt Ion:152	Resp:	827
Ion	Ratio	Lower Upper
152	100	
115	66.9	28.2 84.7
150	163.0	0.0 345.6



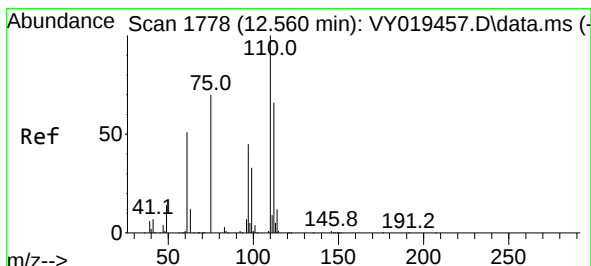
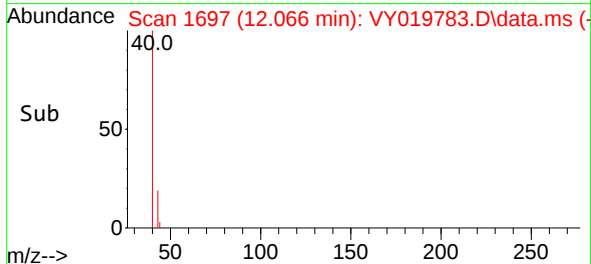
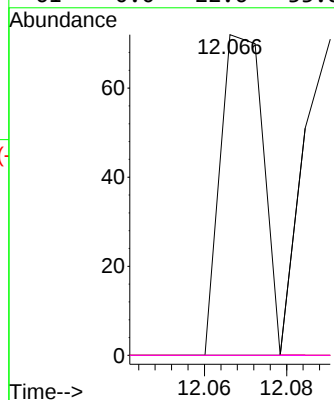


#74
N-amy1 acetate
Concen: 3.187 ug/l
RT: 12.066 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY019783.D
Acq: 03 Oct 2024 13:21

Instrument :
MSVOA_Y
ClientSampleId :

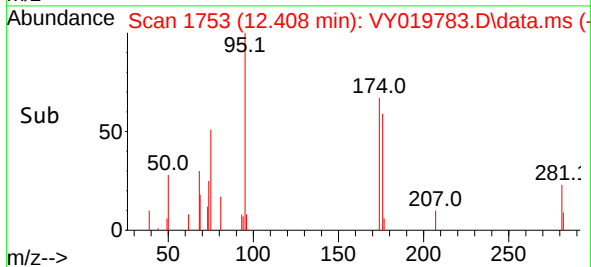
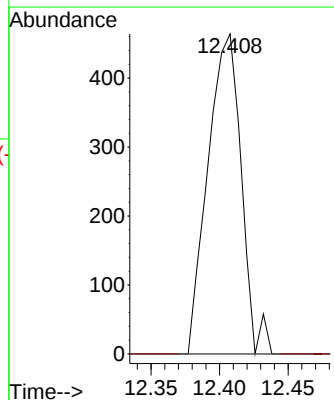
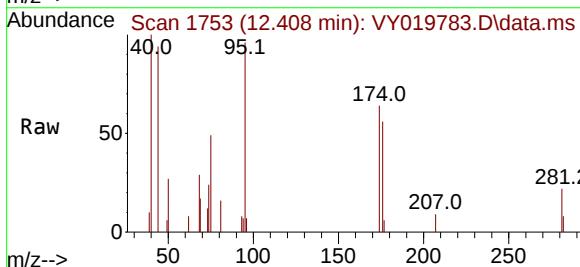


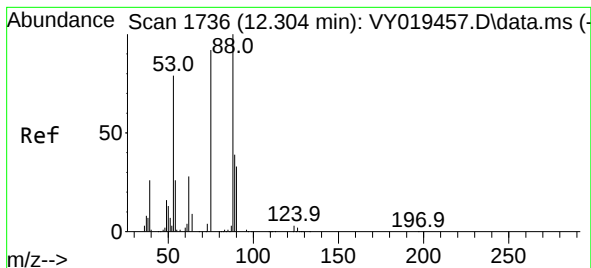
Tgt Ion: 43	Resp: 52
Ion Ratio	Lower Upper
43	100
70	0.0 41.4 62.2#
55	0.0 23.3 34.9#
61	0.0 22.6 33.8#



#76
1,2,3-Trichloropropane
Concen: 101.143 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY019783.D
Acq: 03 Oct 2024 13:21

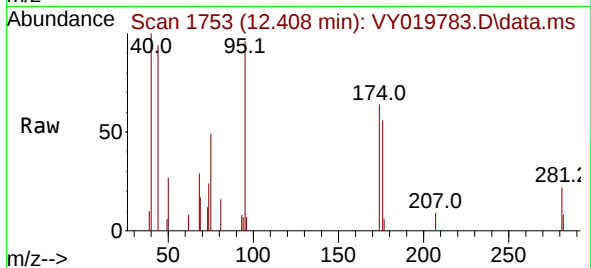
Tgt Ion: 75	Resp: 784
Ion Ratio	Lower Upper
75	100
77	0.0 0.0 0.0



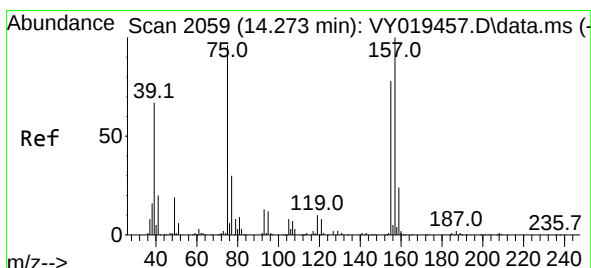
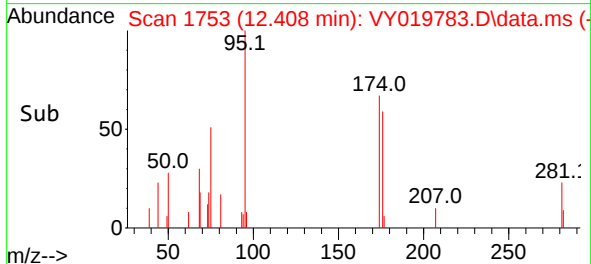
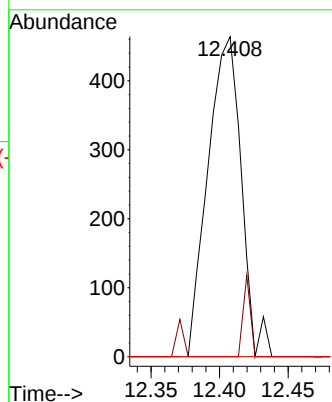


#81
trans-1,4-Dichloro-2-butene
Concen: 194.165 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY019783.D
Acq: 03 Oct 2024 13:21

Instrument :
MSVOA_Y
ClientSampleId :

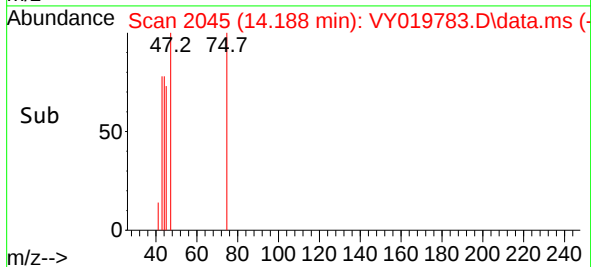
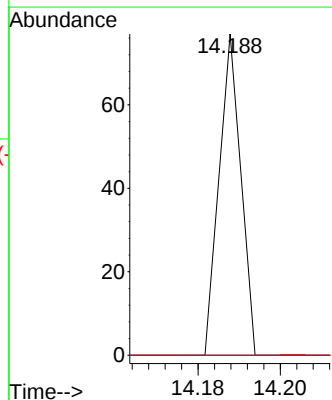
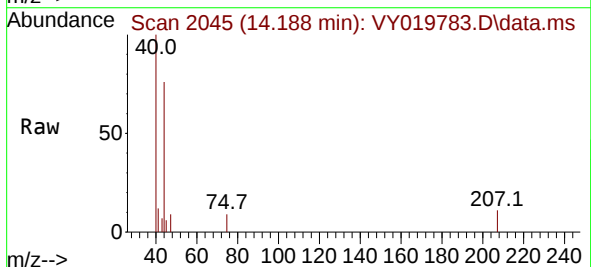


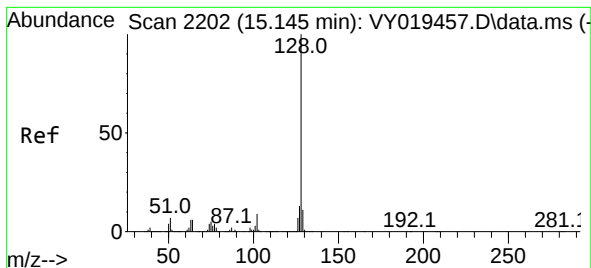
Tgt Ion: 75 Resp: 784
Ion Ratio Lower Upper
75 100
53 5.5 66.8 100.2#
89 0.0 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 15.776 ug/l
RT: 14.188 min Scan# 2045
Delta R.T. -0.085 min
Lab File: VY019783.D
Acq: 03 Oct 2024 13:21

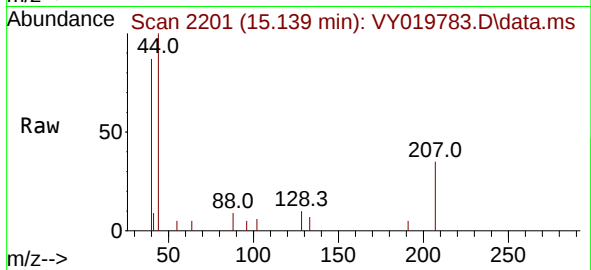
Tgt Ion: 75 Resp: 28
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#





#95
Naphthalene
Concen: 4.128 ug/l
RT: 15.139 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY019783.D
Acq: 03 Oct 2024 13:21

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 116
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

