

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
 Data File : VY020253.D
 Acq On : 11 Nov 2024 17:09
 Operator : SY/MD
 Sample : P4779-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 11 23:18:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	6167	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	14198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	10914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	2005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	6545	85.035	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 170.080%#	
35) Dibromofluoromethane	7.640	113	5745	63.642	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 127.280%	
50) Toluene-d8	10.109	98	15601	43.418	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 86.840%	
62) 4-Bromofluorobenzene	12.408	95	3493	29.929	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 59.860%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.604	94	135	2.003	ug/l	94
6) Chloroethane	2.787	64	79	1.206	ug/l	# 42
8) Diethyl Ether	3.373	74	52	1.503	ug/l	96
11) Tert butyl alcohol	4.854	59	55	9.934	ug/l	# 88
13) Acrolein	3.525	56	42	6.094	ug/l	# 15
15) Acrylonitrile	4.976	53	57	3.620	ug/l	# 18
16) Acetone	3.872	43	306	17.096	ug/l	# 36
18) Methyl Acetate	4.421	43	72	1.714	ug/l	# 46
25) 2-Butanone	6.884	43	56	2.308	ug/l	# 41
26) 2,2-Dichloropropane	6.866	77	150	1.250	ug/l	# 51
29) Tetrahydrofuran	7.244	42	93	6.642	ug/l	# 26
38) Carbon Tetrachloride	7.719	117	864	6.161	ug/l	# 13
41) Methacrylonitrile	7.232	41	96	2.883	ug/l	# 1
48) Methyl methacrylate	9.213	41	63	1.064	ug/l	# 1
59) 2-Hexanone	10.719	43	61	1.292	ug/l	# 19
75) 1,1,2,2-Tetrachloroethane	12.438	83	47	1.678	ug/l	# 26
76) 1,2,3-Trichloropropane	12.401	75	2044	108.754	ug/l	# 100
77) Bromobenzene	12.700	156	45	1.389	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.401	75	2044	233.925	ug/l	# 16
90) Hexachloroethane	14.115	117	40	1.460	ug/l	# 12
92) 1,2-Dibromo-3-Chloropr...	14.206	75	22	5.179	ug/l	# 1

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

Quant Time: Nov 11 23:18:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

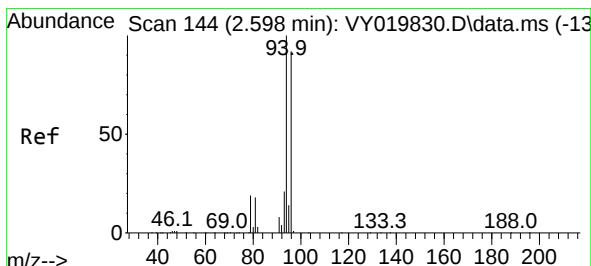
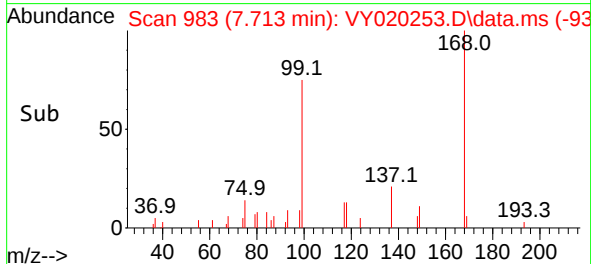
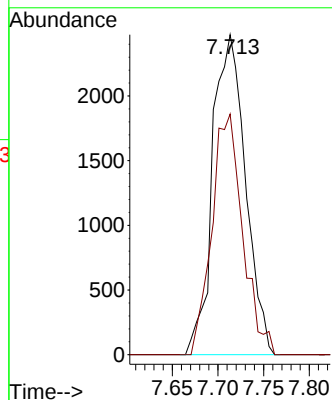
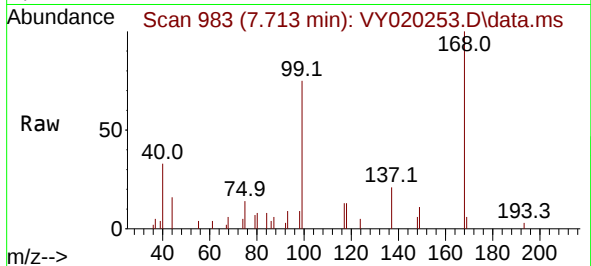




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020253.D
Acq: 11 Nov 2024 17:09

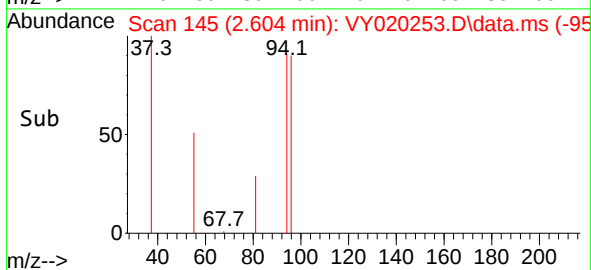
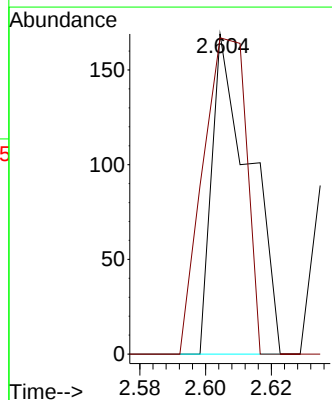
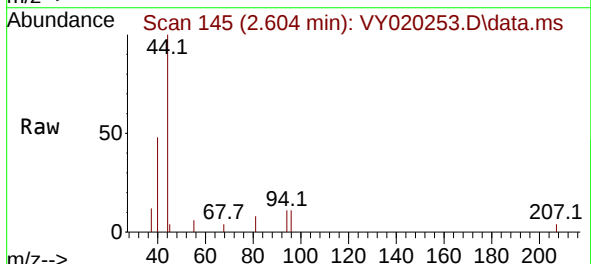
Instrument :
MSVOA_Y
ClientSampleId :

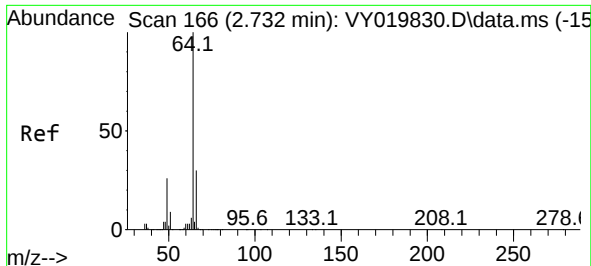
Tgt Ion:168 Resp: 6167
Ion Ratio Lower Upper
168 100
99 75.2 39.1 58.7#



#5
Bromomethane
Concen: 2.003 ug/l
RT: 2.604 min Scan# 145
Delta R.T. 0.006 min
Lab File: VY020253.D
Acq: 11 Nov 2024 17:09

Tgt Ion: 94 Resp: 135
Ion Ratio Lower Upper
94 100
96 98.8 74.1 111.1

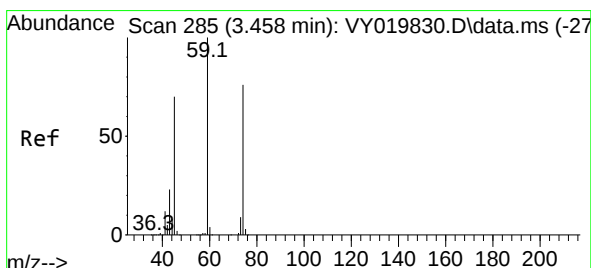
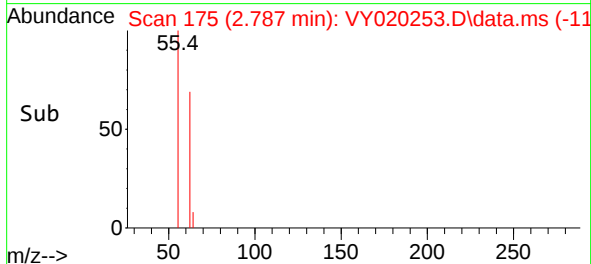
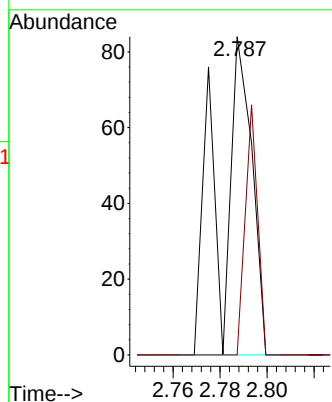
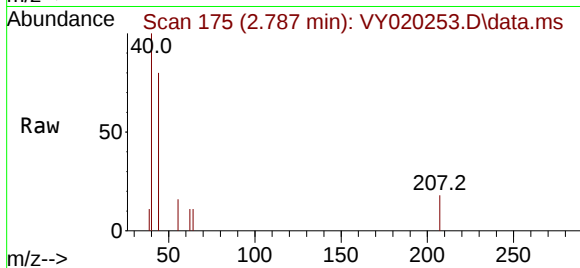




#6
Chloroethane
Concen: 1.206 ug/l
RT: 2.787 min Scan# 11
Delta R.T. 0.049 min
Lab File: VY020253.D
Acq: 11 Nov 2024 17:09

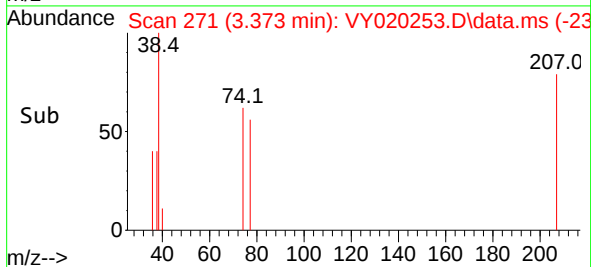
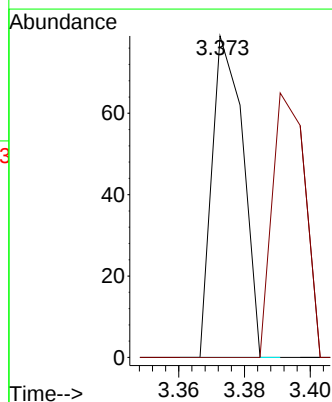
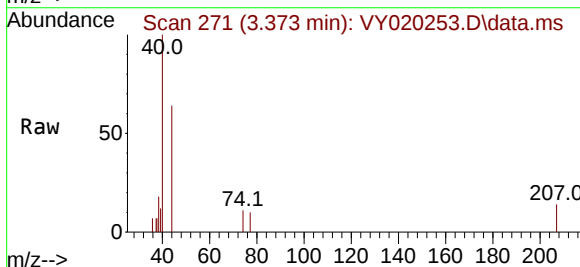
Instrument :
MSVOA_Y
ClientSampleId :

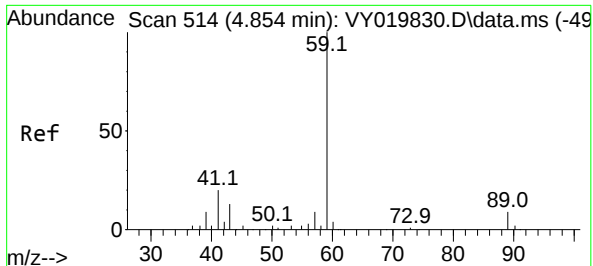
Tgt Ion: 64 Resp: 79
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#8
Diethyl Ether
Concen: 1.503 ug/l
RT: 3.373 min Scan# 271
Delta R.T. -0.085 min
Lab File: VY020253.D
Acq: 11 Nov 2024 17:09

Tgt Ion: 74 Resp: 52
Ion Ratio Lower Upper
74 100
45 86.5 41.3 124.1





#11

Tert butyl alcohol

Concen: 9.934 ug/l

RT: 4.854 min Scan# 514

Delta R.T. -0.006 min

Lab File: VY020253.D

Acq: 11 Nov 2024 17:09

Instrument :

MSVOA_Y

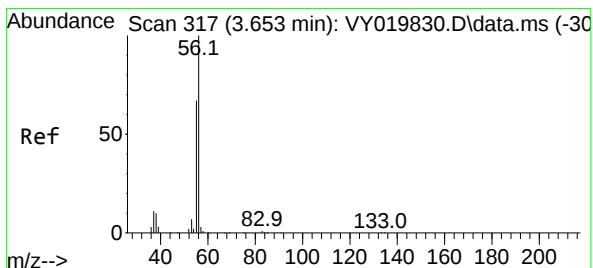
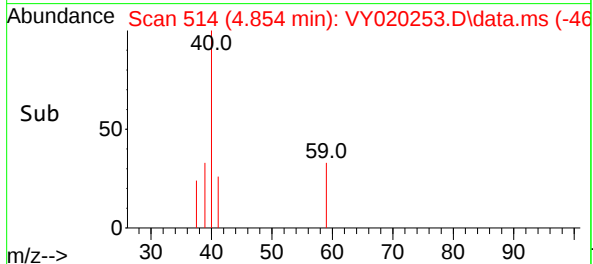
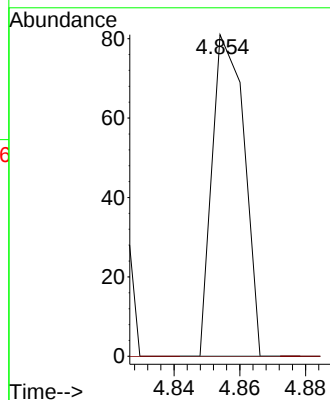
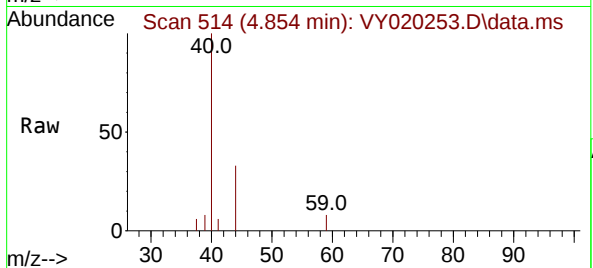
ClientSampleId :

Tgt Ion: 59 Resp: 55

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: 6.094 ug/l

RT: 3.525 min Scan# 296

Delta R.T. -0.128 min

Lab File: VY020253.D

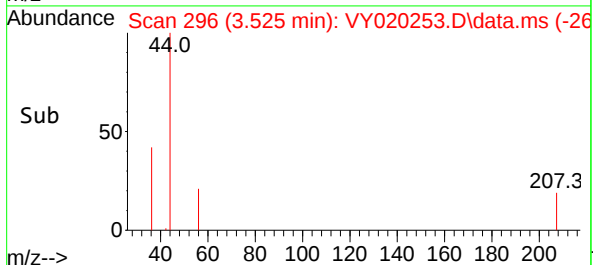
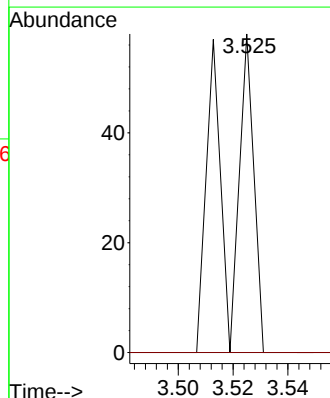
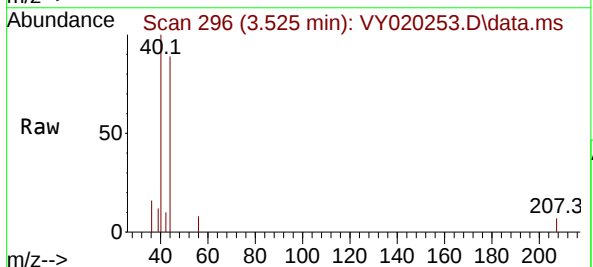
Acq: 11 Nov 2024 17:09

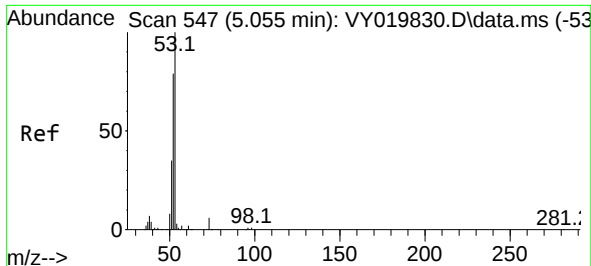
Tgt Ion: 56 Resp: 42

Ion Ratio Lower Upper

56 100

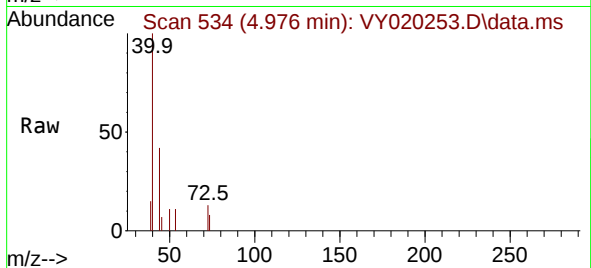
55 0.0 55.7 83.5#



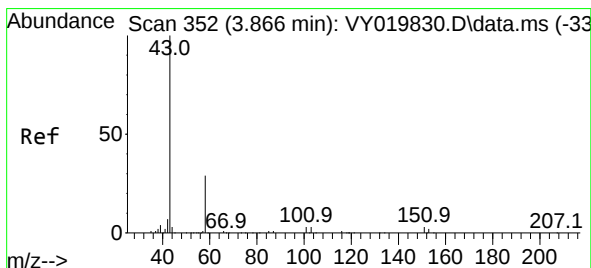
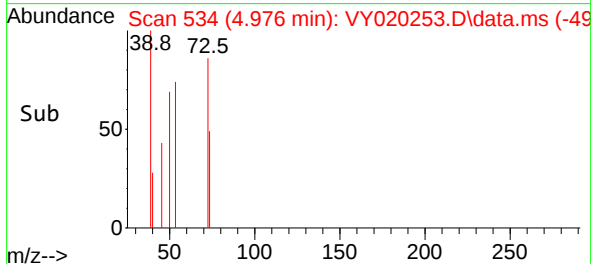
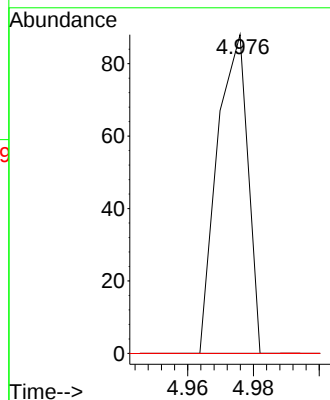


#15
Acrylonitrile
Concen: 3.620 ug/l
RT: 4.976 min Scan# 51
Delta R.T. -0.079 min
Lab File: VY020253.D
Acq: 11 Nov 2024 17:09

Instrument :
MSVOA_Y
ClientSampleId :

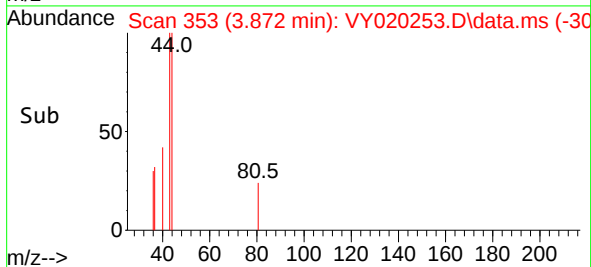
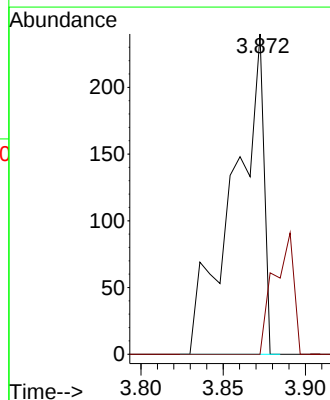
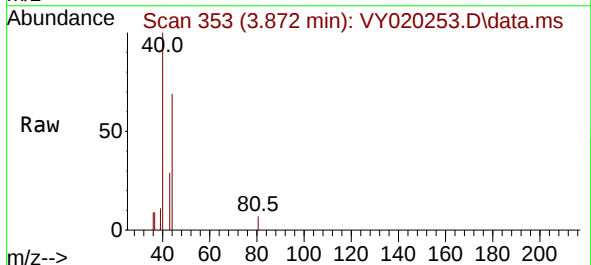


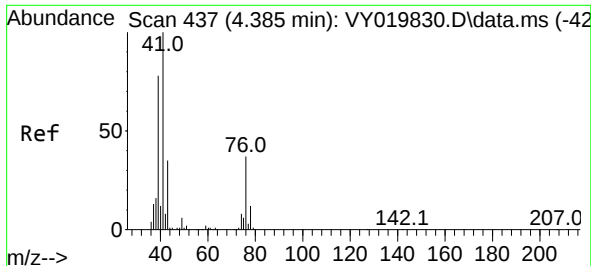
Tgt Ion: 53 Resp: 57
Ion Ratio Lower Upper
53 100
52 0.0 64.7 97.1#
51 0.0 28.4 42.6#



#16
Acetone
Concen: 17.096 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY020253.D
Acq: 11 Nov 2024 17:09

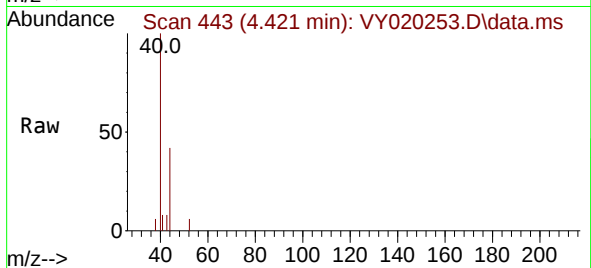
Tgt Ion: 43 Resp: 306
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



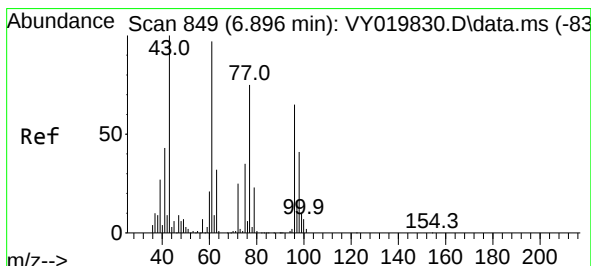
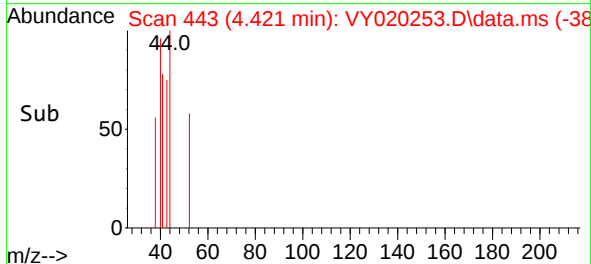
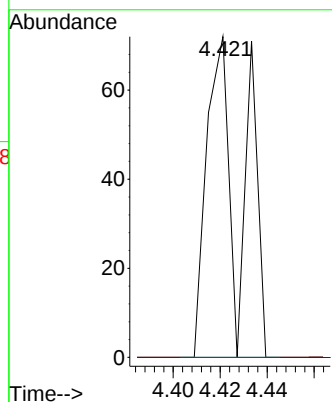


#18
Methyl Acetate
Concen: 1.714 ug/l
RT: 4.421 min Scan# 44
Delta R.T. 0.037 min
Lab File: VY020253.D
Acq: 11 Nov 2024 17:09

Instrument :
MSVOA_Y
ClientSampleId :

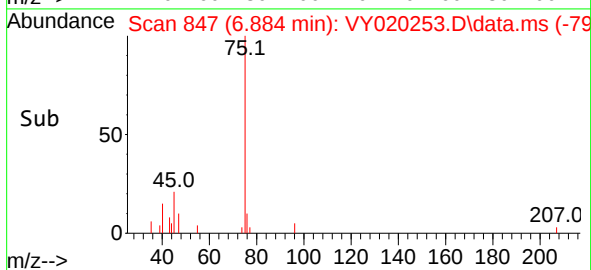
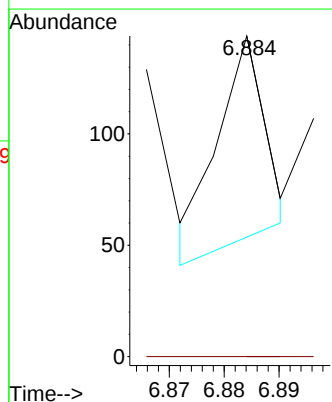
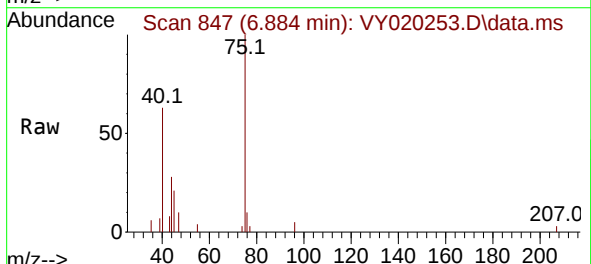


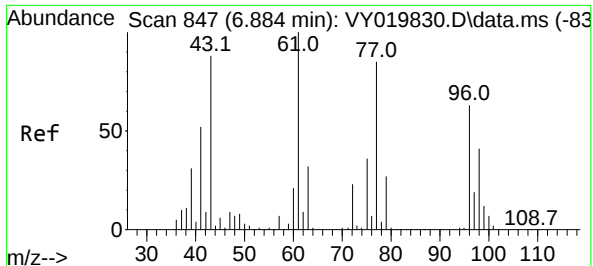
Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#



#25
2-Butanone
Concen: 2.308 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY020253.D
Acq: 11 Nov 2024 17:09

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#





#26

2,2-Dichloropropane

Concen: 1.250 ug/l

RT: 6.866 min Scan# 84

Delta R.T. -0.018 min

Lab File: VY020253.D

Acq: 11 Nov 2024 17:09

Instrument :

MSVOA_Y

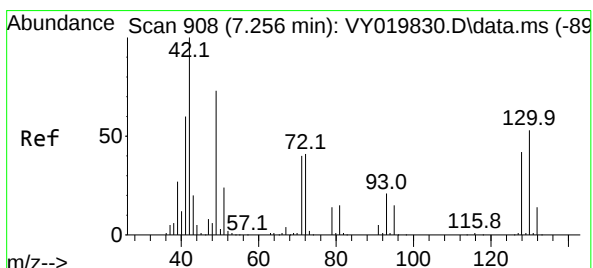
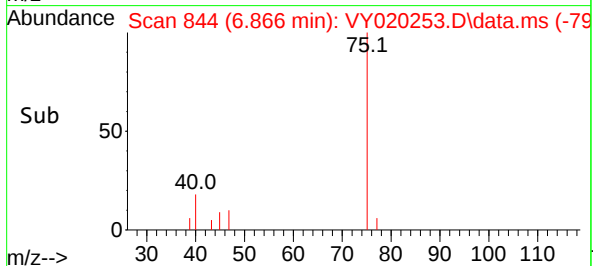
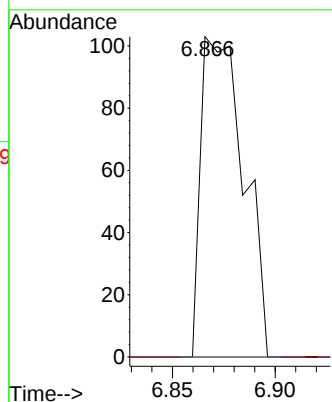
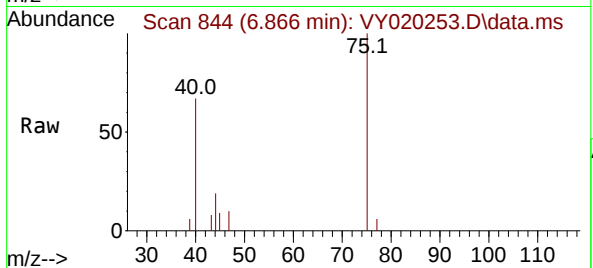
ClientSampleId :

Tgt Ion: 77 Resp: 150

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.1#



#29

Tetrahydrofuran

Concen: 6.642 ug/l

RT: 7.244 min Scan# 906

Delta R.T. -0.018 min

Lab File: VY020253.D

Acq: 11 Nov 2024 17:09

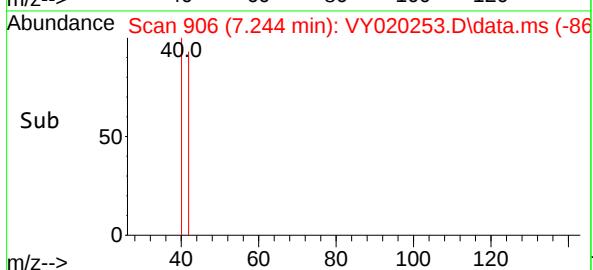
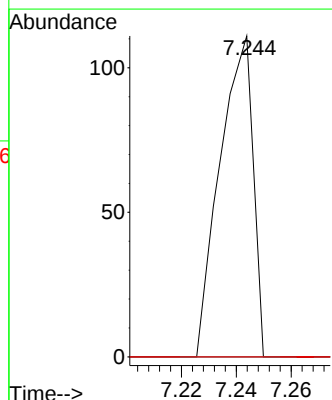
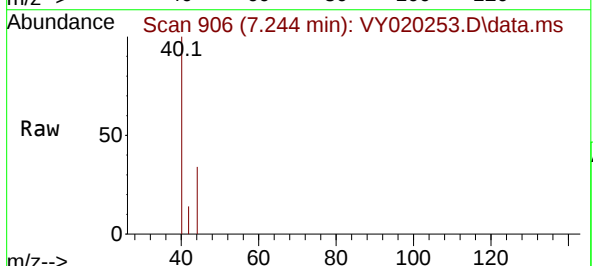
Tgt Ion: 42 Resp: 93

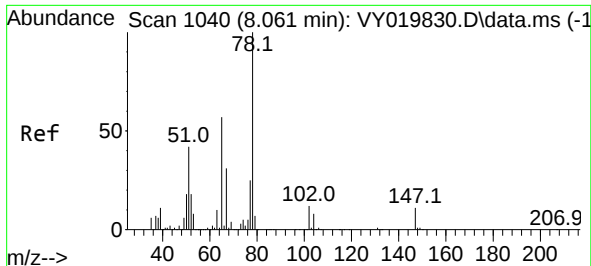
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 0.0 40.8 61.2#





#33

1,2-Dichloroethane-d4

Concen: 85.035 ug/l

RT: 8.073 min Scan# 11042

Delta R.T. 0.012 min

Lab File: VY020253.D

Acq: 11 Nov 2024 17:09

Instrument :

MSVOA_Y

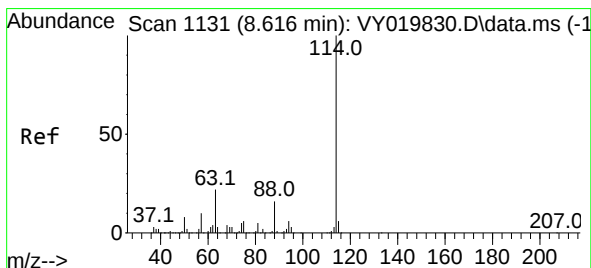
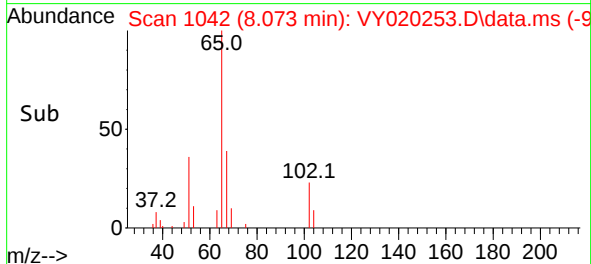
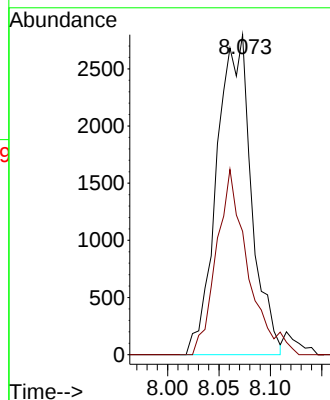
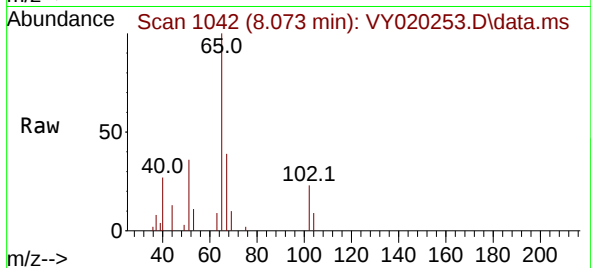
ClientSampleId :

Tgt Ion: 65 Resp: 6545

Ion Ratio Lower Upper

65 100

67 52.5 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: VY020253.D

Acq: 11 Nov 2024 17:09

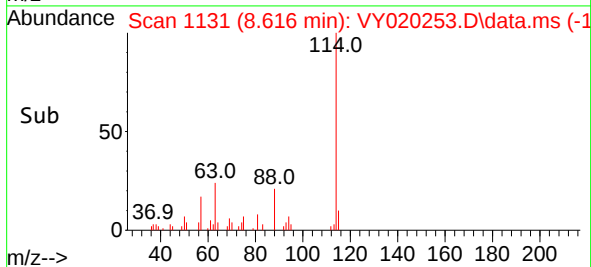
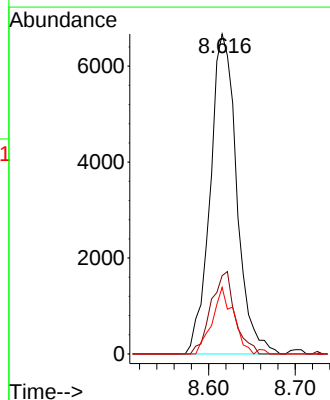
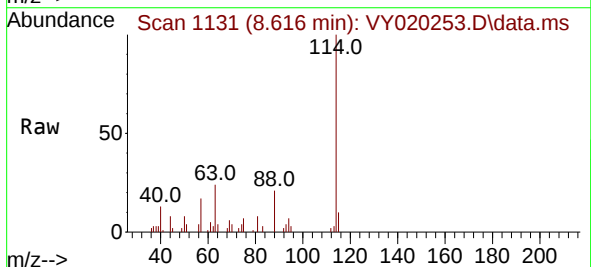
Tgt Ion: 114 Resp: 14198

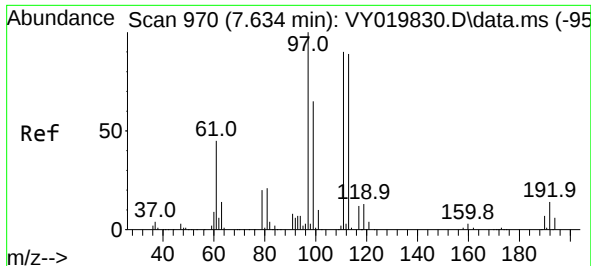
Ion Ratio Lower Upper

114 100

63 24.4 0.0 35.0

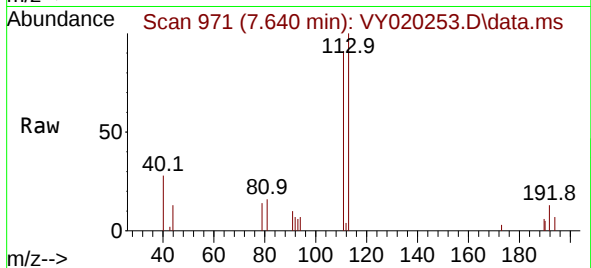
88 20.8 0.0 27.2



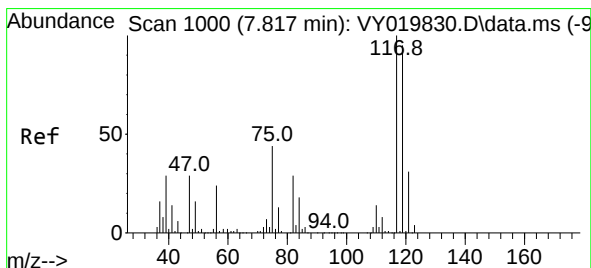
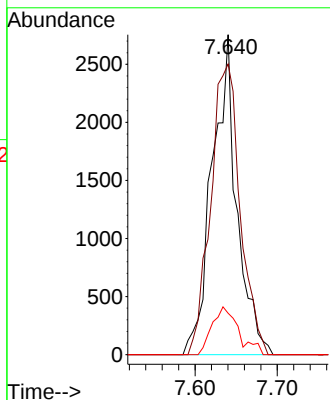
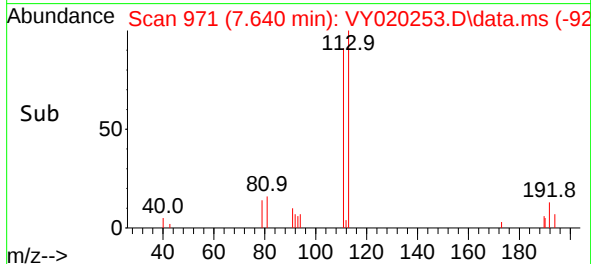


#35
Dibromofluoromethane
Concen: 63.642 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020253.D
Acq: 11 Nov 2024 17:09

Instrument :
MSVOA_Y
ClientSampleId :

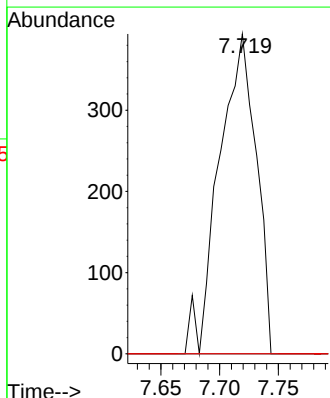
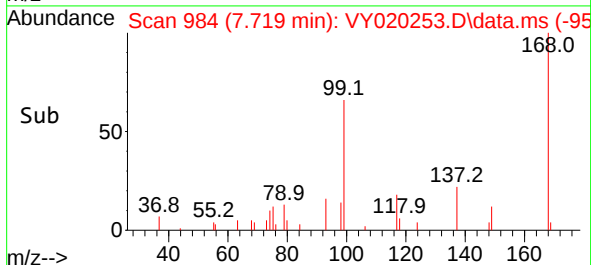
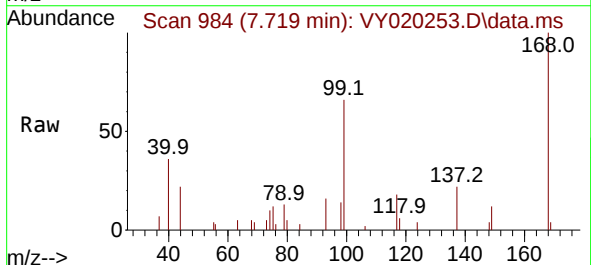


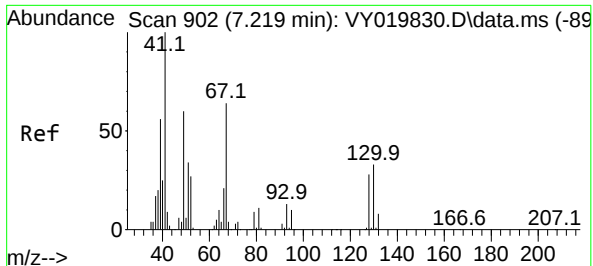
Tgt Ion:113 Resp: 5745
Ion Ratio Lower Upper
113 100
111 108.7 82.2 123.4
192 16.1 15.9 23.9



#38
Carbon Tetrachloride
Concen: 6.161 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.097 min
Lab File: VY020253.D
Acq: 11 Nov 2024 17:09

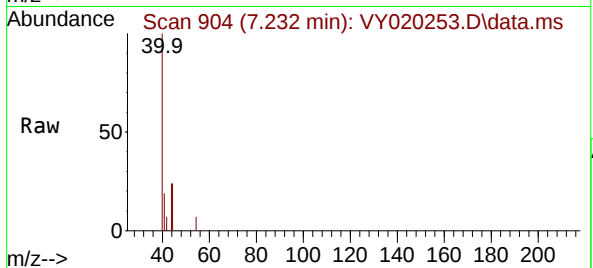
Tgt Ion:117 Resp: 864
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



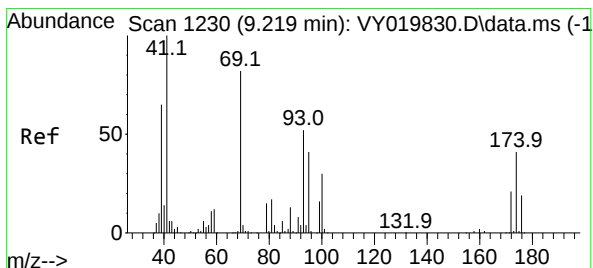
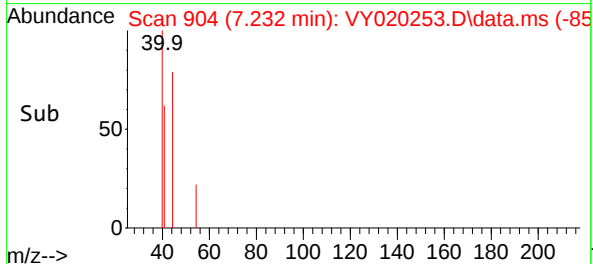
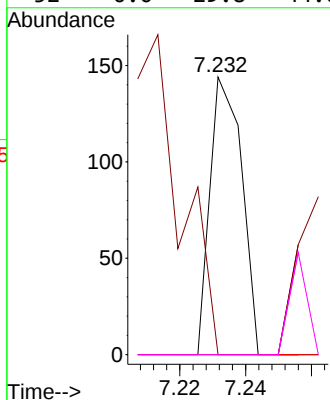


#41
Methacrylonitrile
Concen: 2.883 ug/l
RT: 7.232 min Scan# 904
Delta R.T. 0.012 min
Lab File: VY020253.D
Acq: 11 Nov 2024 17:09

Instrument :
MSVOA_Y
ClientSampleId :

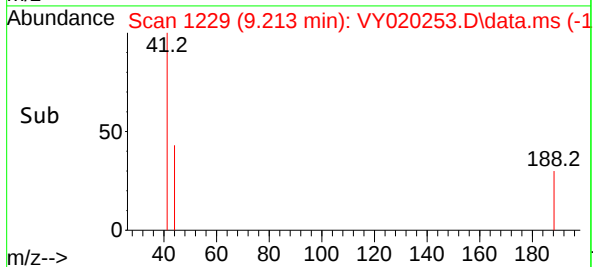
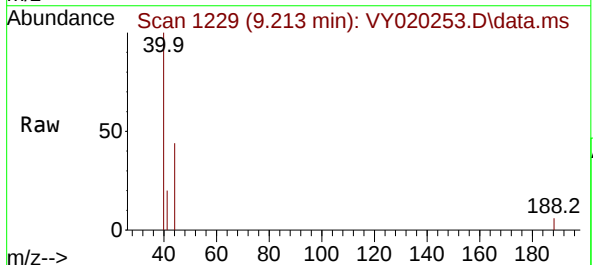
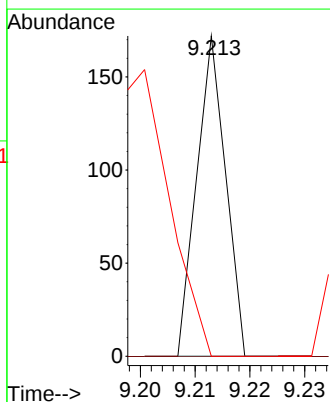


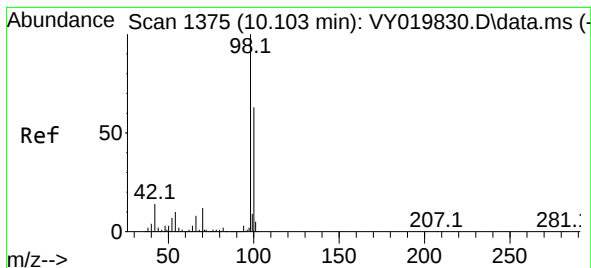
Tgt Ion:	41	Resp:	96
Ion	Ratio	Lower	Upper
41	100		
39	202.1	48.0	72.0#
67	0.0	75.1	112.7#
52	0.0	29.8	44.6#



#48
Methyl methacrylate
Concen: 1.064 ug/l
RT: 9.213 min Scan# 1229
Delta R.T. -0.006 min
Lab File: VY020253.D
Acq: 11 Nov 2024 17:09

Tgt Ion:	41	Resp:	63
Ion	Ratio	Lower	Upper
41	100		
69	0.0	84.1	126.1#
39	203.2	43.6	65.4#

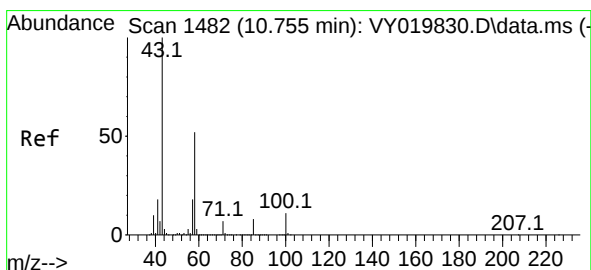
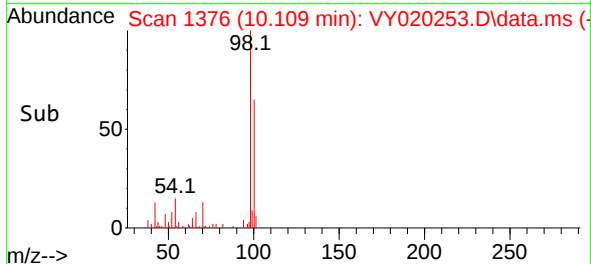
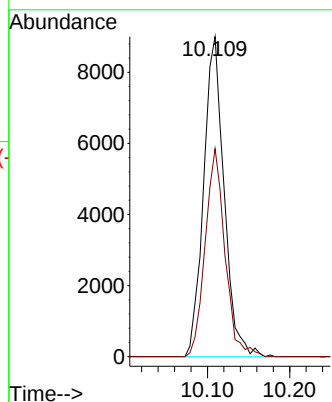
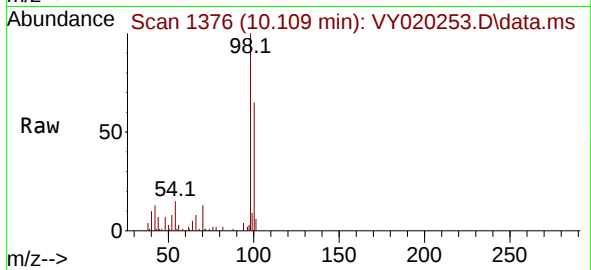




#50
Toluene-d8
Concen: 43.418 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020253.D
Acq: 11 Nov 2024 17:09

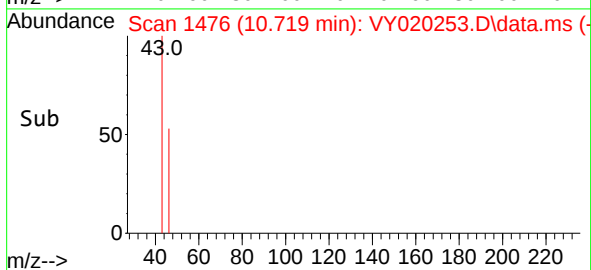
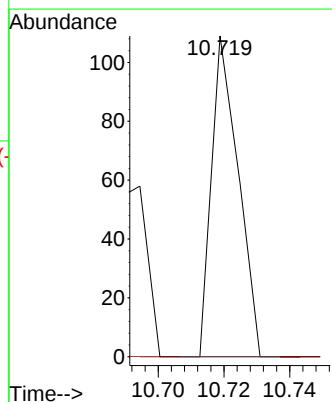
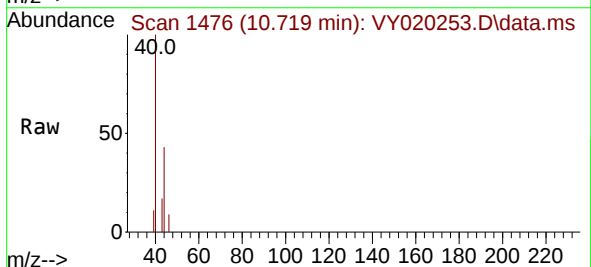
Instrument :
MSVOA_Y
ClientSampleId :

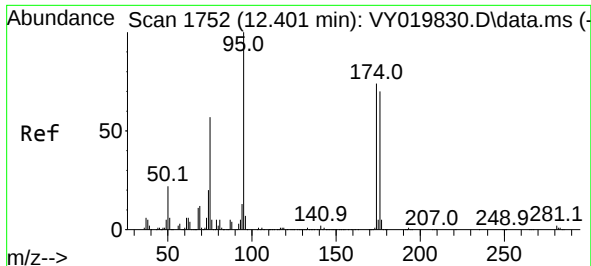
Tgt Ion: 98 Resp: 15601
Ion Ratio Lower Upper
98 100
100 62.9 52.0 78.0



#59
2-Hexanone
Concen: 1.292 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. -0.042 min
Lab File: VY020253.D
Acq: 11 Nov 2024 17:09

Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#

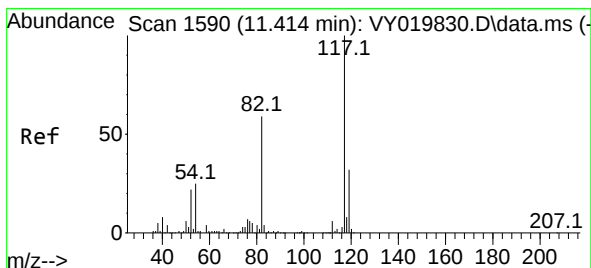
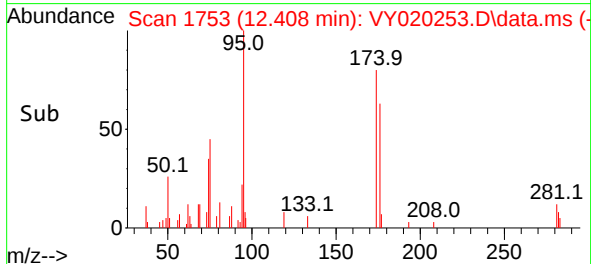
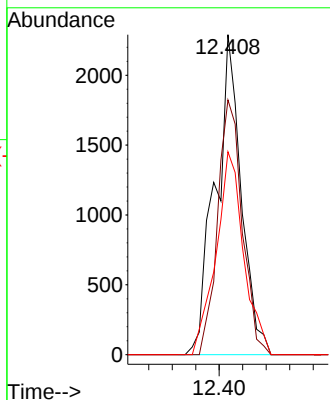
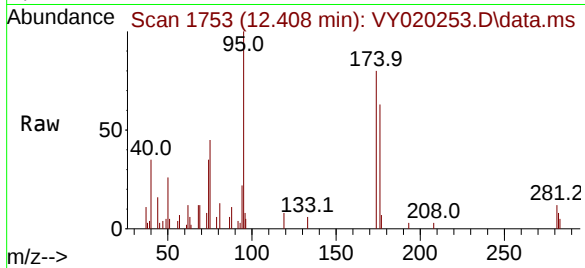




#62
4-Bromofluorobenzene
Concen: 29.929 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020253.D
Acq: 11 Nov 2024 17:09

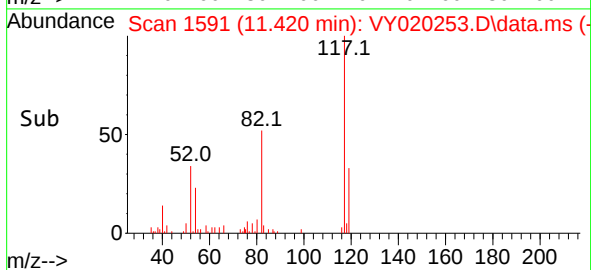
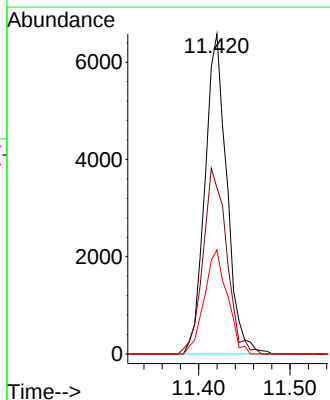
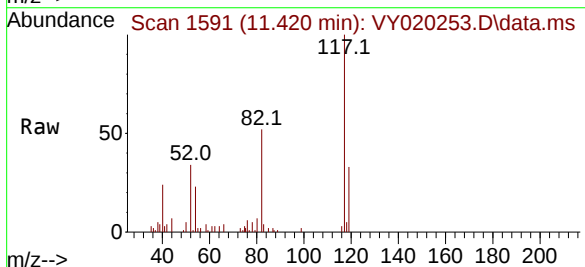
Instrument :
MSVOA_Y
ClientSampleId :

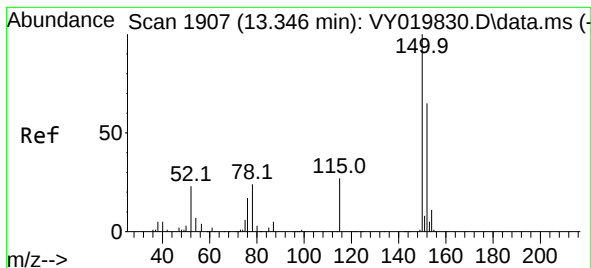
Tgt Ion:	95	Resp:	3493
Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	175.6
176	68.0	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY020253.D
Acq: 11 Nov 2024 17:09

Tgt Ion:	117	Resp:	10914
Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.4	63.6
119	32.5	25.9	38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1907

Delta R.T. 0.006 min

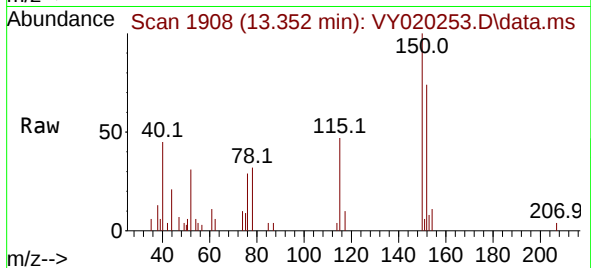
Lab File: VY020253.D

Acq: 11 Nov 2024 17:09

Instrument :

MSVOA_Y

ClientSampleId :



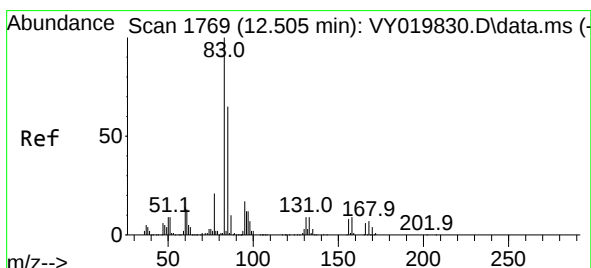
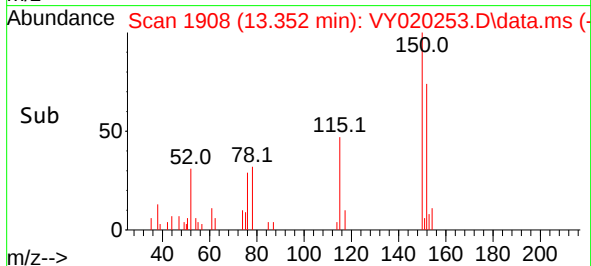
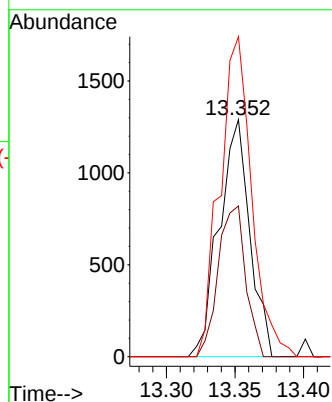
Tgt Ion:152 Resp: 2005

Ion Ratio Lower Upper

152 100

115 57.0 28.2 84.7

150 140.6 0.0 345.6



#75

1,1,2,2-Tetrachloroethane

Concen: 1.678 ug/l

RT: 12.438 min Scan# 1758

Delta R.T. -0.073 min

Lab File: VY020253.D

Acq: 11 Nov 2024 17:09

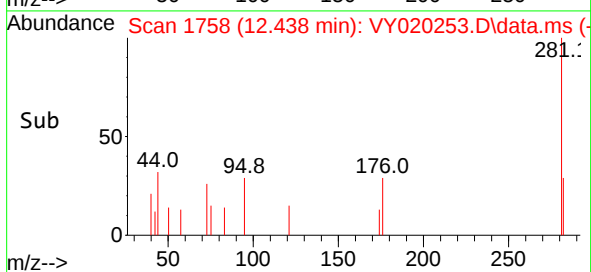
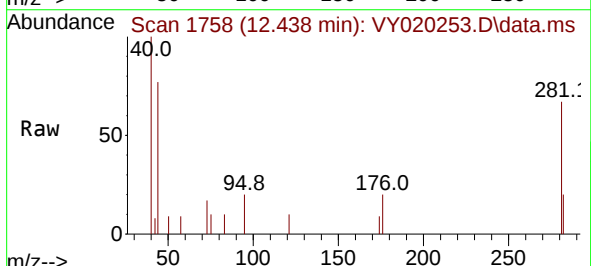
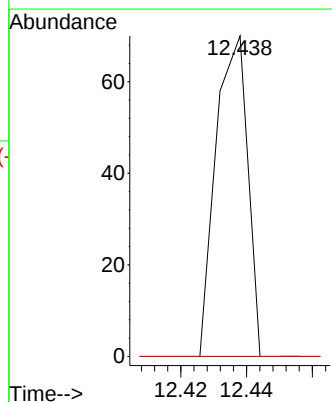
Tgt Ion: 83 Resp: 47

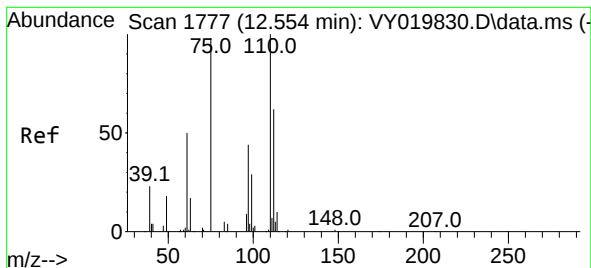
Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 0.0 32.0 96.0#

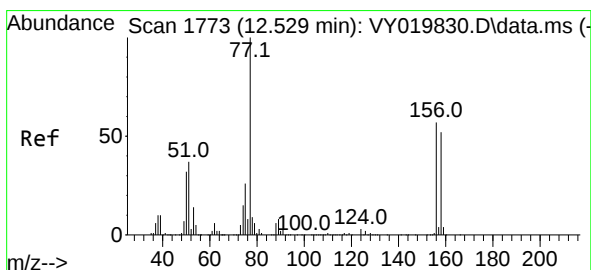
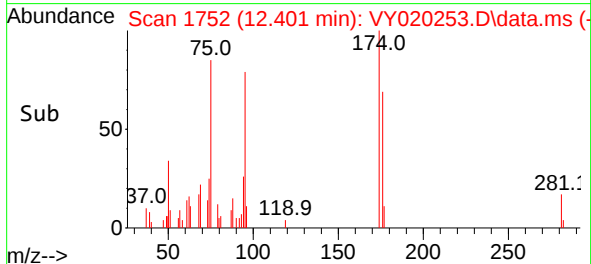
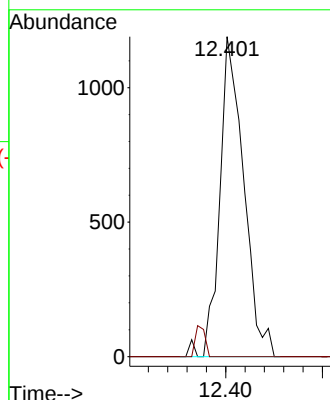
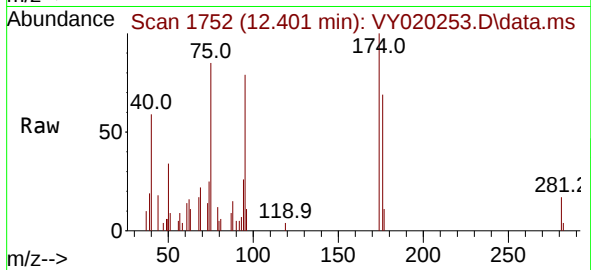




#76
1,2,3-Trichloropropane
Concen: 108.754 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.158 min
Lab File: VY020253.D
Acq: 11 Nov 2024 17:09

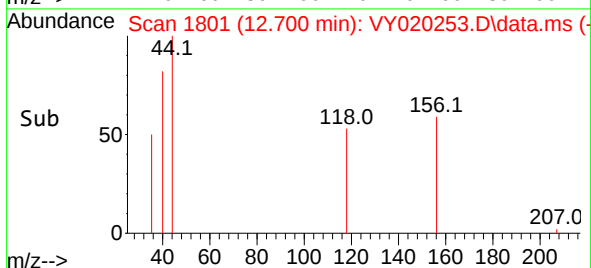
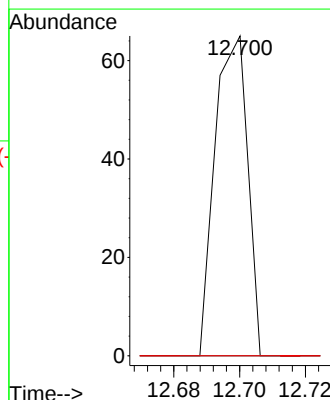
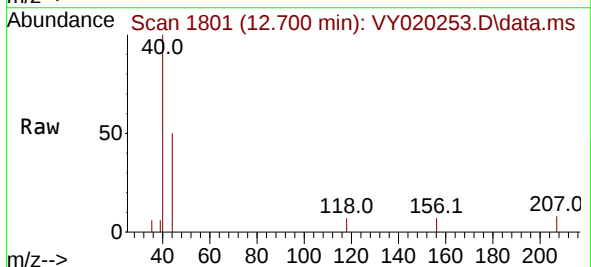
Instrument :
MSVOA_Y
ClientSampleId :

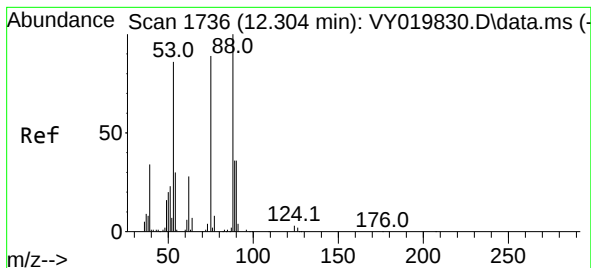
Tgt Ion: 75 Resp: 2044
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 1.389 ug/l
RT: 12.700 min Scan# 1801
Delta R.T. 0.165 min
Lab File: VY020253.D
Acq: 11 Nov 2024 17:09

Tgt Ion: 156 Resp: 45
Ion Ratio Lower Upper
156 100
77 0.0 87.1 261.3#
158 0.0 48.6 145.9#

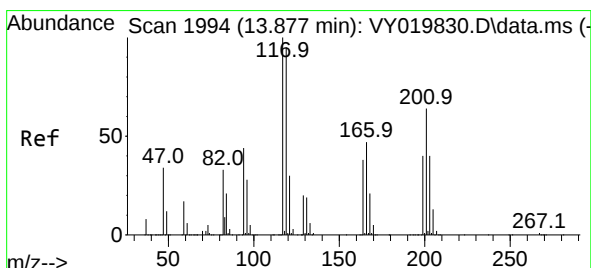
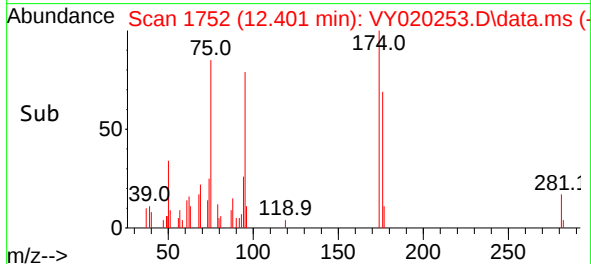
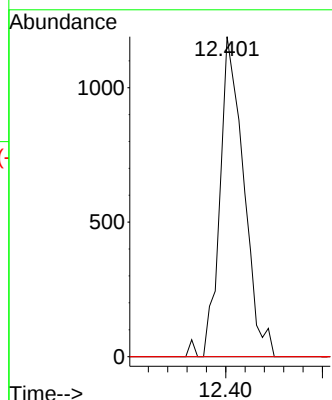
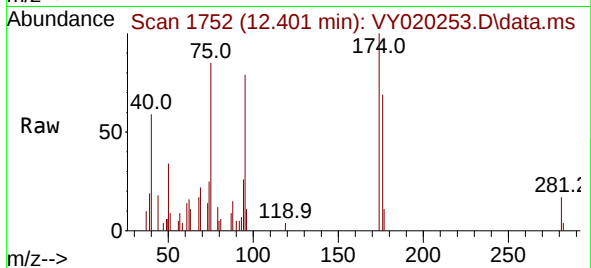




#81
trans-1,4-Dichloro-2-butene
Concen: 233.925 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY020253.D
Acq: 11 Nov 2024 17:09

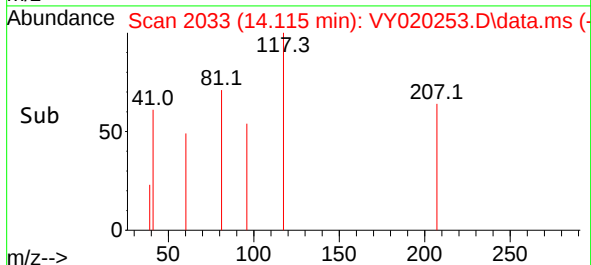
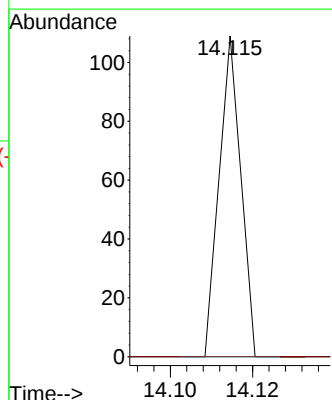
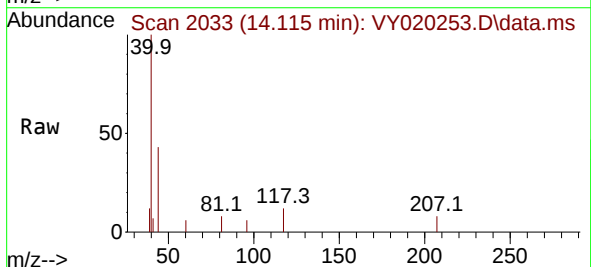
Instrument :
MSVOA_Y
ClientSampleId :

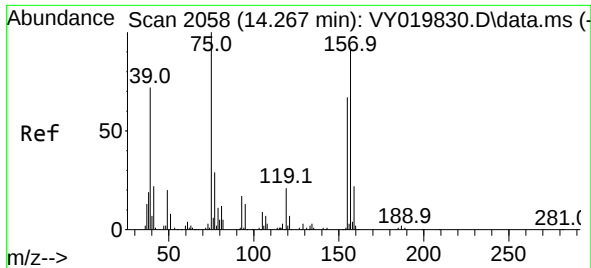
Tgt Ion: 75 Resp: 2044
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#90
Hexachloroethane
Concen: 1.460 ug/l
RT: 14.115 min Scan# 2033
Delta R.T. 0.232 min
Lab File: VY020253.D
Acq: 11 Nov 2024 17:09

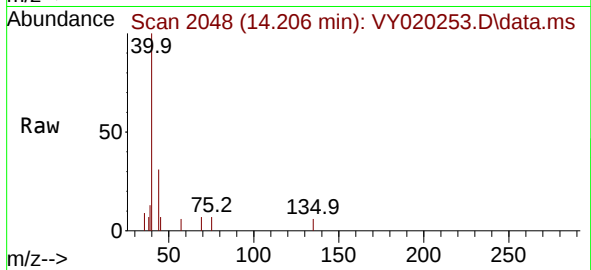
Tgt Ion: 117 Resp: 40
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.2#





#92
1,2-Dibromo-3-Chloropropane
Concen: 5.179 ug/l
RT: 14.206 min Scan# 20
Delta R.T. -0.067 min
Lab File: VY020253.D
Acq: 11 Nov 2024 17:09

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 22
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#

