

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
 Data File : VY020138.D
 Acq On : 04 Nov 2024 13:26
 Operator : SY/MD
 Sample : P4679-03
 Misc : 4.94g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 05 00:30:59 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)

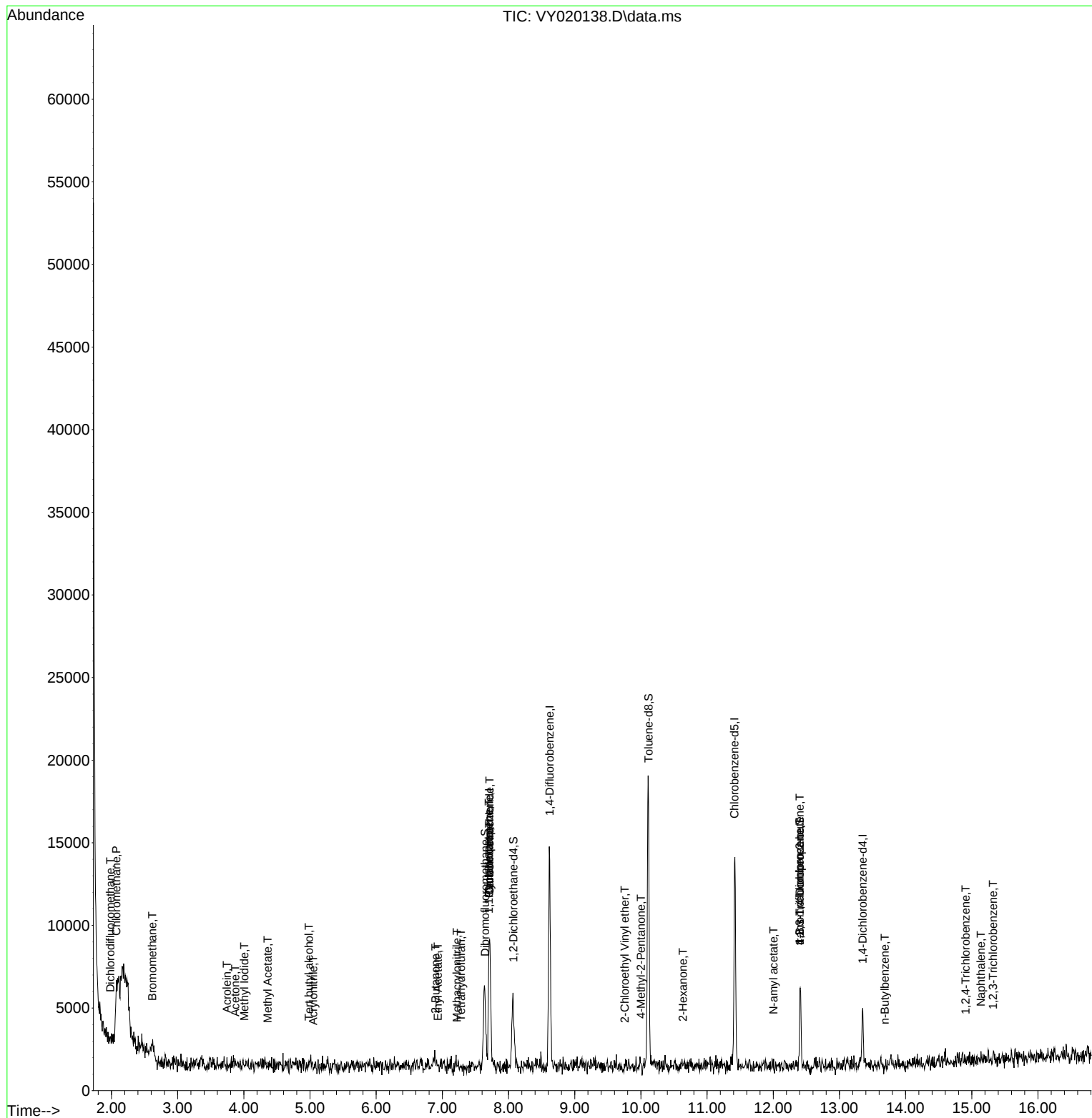
Internal Standards						
1) Pentafluorobenzene	7.707	168	6153	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	10167	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	6808	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	3555	46.293	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.580%
35) Dibromofluoromethane	7.646	113	3343	51.716	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.440%
50) Toluene-d8	10.115	98	11664	45.332	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.660%
62) 4-Bromofluorobenzene	12.402	95	1637	19.587	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	39.180%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.983	85	59	1.036	ug/l #	43
3) Chloromethane	2.074	50	412	4.367	ug/l #	53
5) Bromomethane	2.617	94	278	4.134	ug/l #	41
10) Methyl Iodide	4.007	142	180	2.687	ug/l #	42
11) Tert butyl alcohol	4.982	59	26	4.707	ug/l #	88
13) Acrolein	3.745	56	33	4.799	ug/l	92
15) Acrylonitrile	5.049	53	21	1.337	ug/l #	18
16) Acetone	3.873	43	81	4.536	ug/l #	36
18) Methyl Acetate	4.360	43	72	1.718	ug/l #	46
25) 2-Butanone	6.897	43	82	3.387	ug/l #	41
29) Tetrahydrofuran	7.281	42	33	2.362	ug/l #	26
31) Cyclohexane	7.707	56	142	1.019	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	698	6.990	ug/l #	40
37) Ethyl Acetate	6.933	43	52	1.092	ug/l #	67
38) Carbon Tetrachloride	7.713	117	667	6.643	ug/l #	13
41) Methacrylonitrile	7.220	41	60	2.516	ug/l #	1
51) 4-Methyl-2-Pentanone	10.000	43	85	1.802	ug/l #	31
58) 2-Chloroethyl Vinyl ether	9.756	63	45	1.354	ug/l #	45
59) 2-Hexanone	10.634	43	45	1.331	ug/l #	19
74) N-amyl acetate	12.005	43	20	1.129	ug/l #	37
76) 1,2,3-Trichloropropane	12.402	75	934	112.331	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	934	241.621	ug/l #	16
89) n-Butylbenzene	13.688	91	70	1.140	ug/l #	33
93) 1,2,4-Trichlorobenzene	14.907	180	43	3.163	ug/l #	7
95) Naphthalene	15.139	128	257	10.114	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.322	180	33	2.860	ug/l #	12

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

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Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
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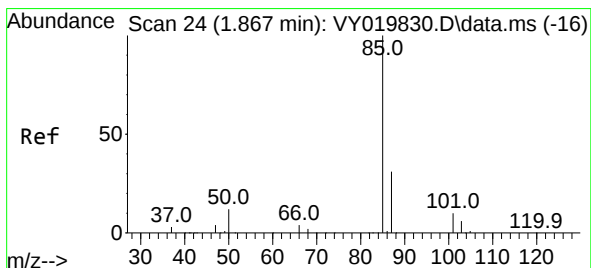
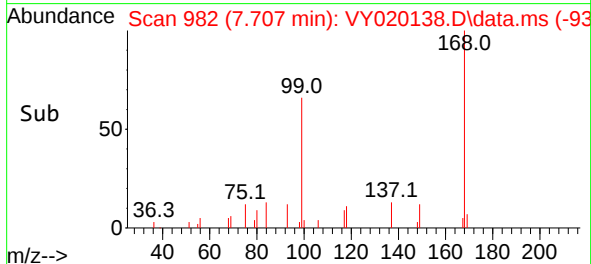
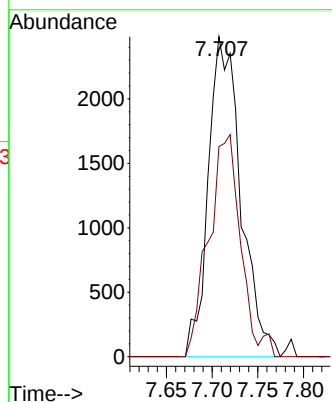
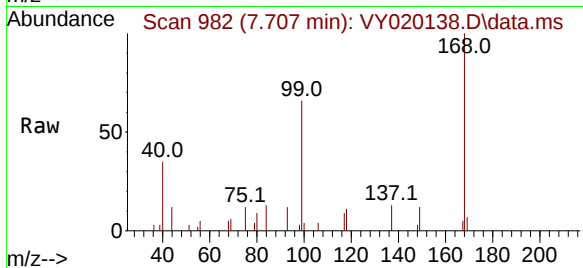




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020138.D
Acq: 04 Nov 2024 13:26

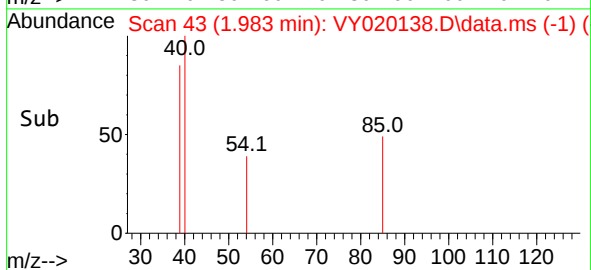
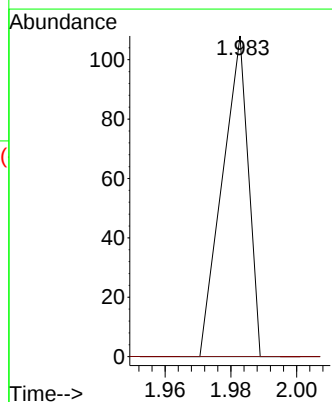
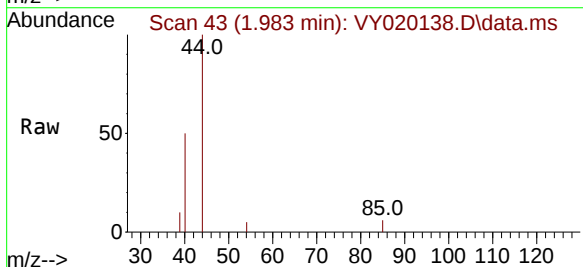
Instrument :
MSVOA_Y
ClientSampleId :

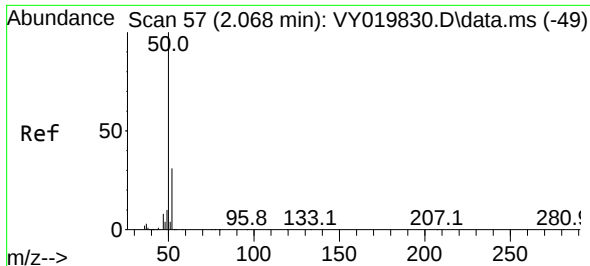
Tgt Ion:168 Resp: 6153
Ion Ratio Lower Upper
168 100
99 65.7 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: 1.036 ug/l
RT: 1.983 min Scan# 43
Delta R.T. 0.117 min
Lab File: VY020138.D
Acq: 04 Nov 2024 13:26

Tgt Ion: 85 Resp: 59
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#

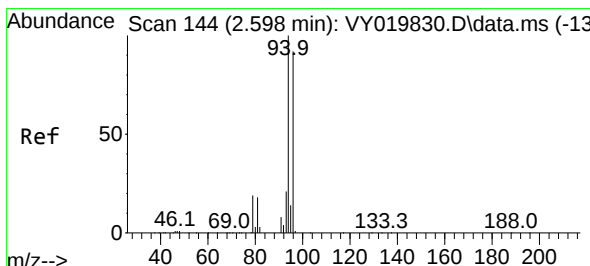
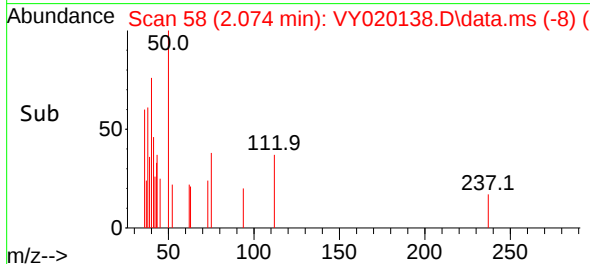
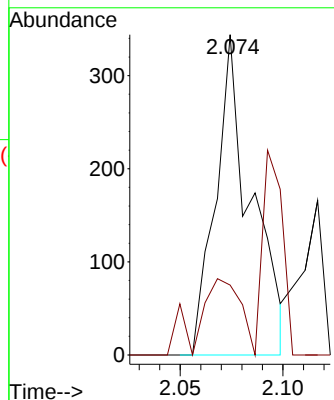
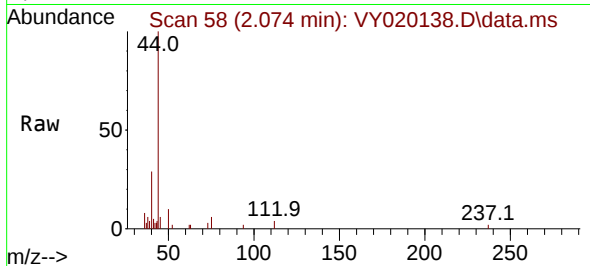




#3
Chloromethane
Concen: 4.367 ug/l
RT: 2.074 min Scan# 50
Delta R.T. 0.007 min
Lab File: VY020138.D
Acq: 04 Nov 2024 13:26

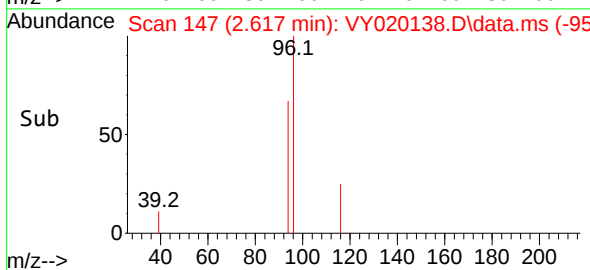
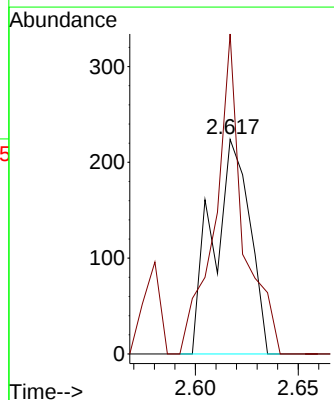
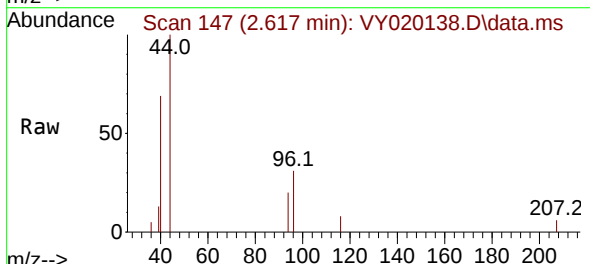
Instrument :
MSVOA_Y
ClientSampleId :

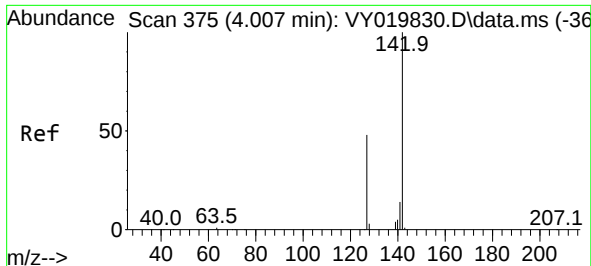
Tgt Ion: 50 Resp: 412
Ion Ratio Lower Upper
50 100
52 5.8 25.6 38.4#



#5
Bromomethane
Concen: 4.134 ug/l
RT: 2.617 min Scan# 147
Delta R.T. 0.019 min
Lab File: VY020138.D
Acq: 04 Nov 2024 13:26

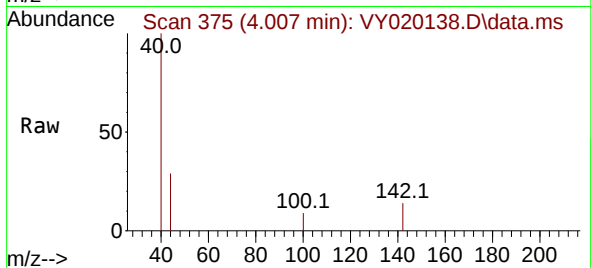
Tgt Ion: 94 Resp: 278
Ion Ratio Lower Upper
94 100
96 149.1 74.1 111.1#



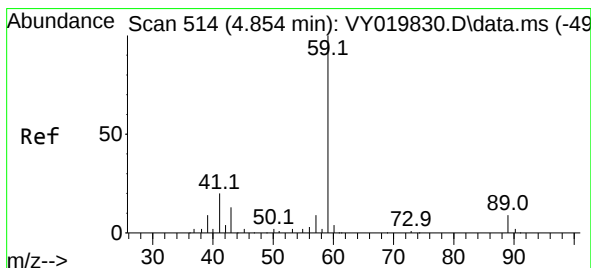
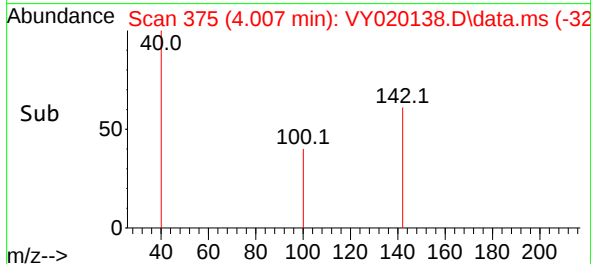
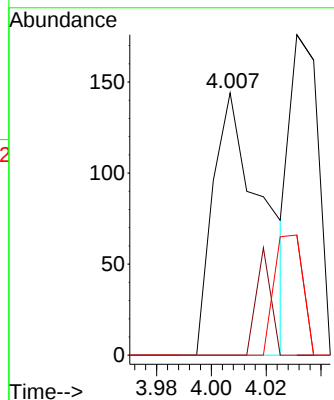


#10
Methyl Iodide
Concen: 2.687 ug/l
RT: 4.007 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY020138.D
Acq: 04 Nov 2024 13:26

Instrument :
MSVOA_Y
ClientSampleId :

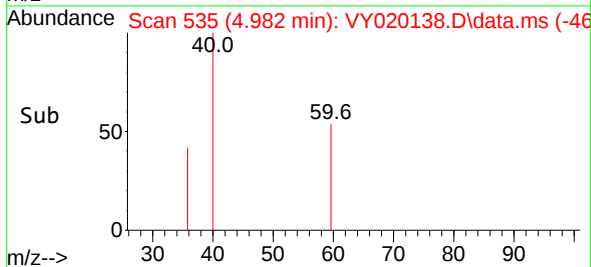
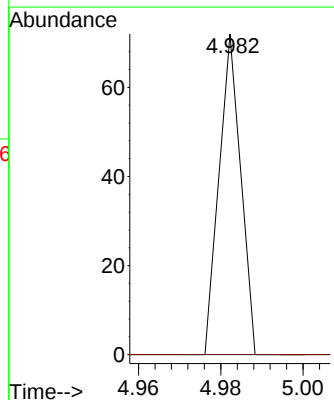
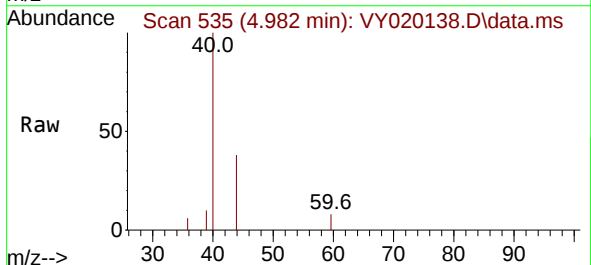


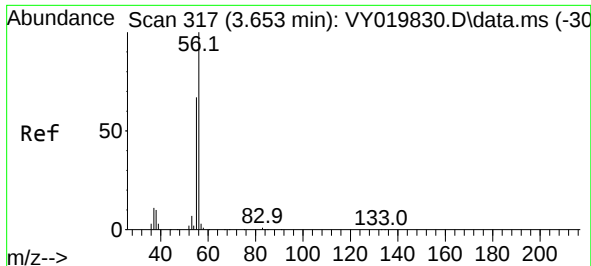
Tgt Ion:142 Resp: 180
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 4.707 ug/l
RT: 4.982 min Scan# 535
Delta R.T. 0.122 min
Lab File: VY020138.D
Acq: 04 Nov 2024 13:26

Tgt Ion: 59 Resp: 26
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#13

Acrolein

Concen: 4.799 ug/l

RT: 3.745 min Scan# 31

Delta R.T. 0.092 min

Lab File: VY020138.D

Acq: 04 Nov 2024 13:26

Instrument :

MSVOA_Y

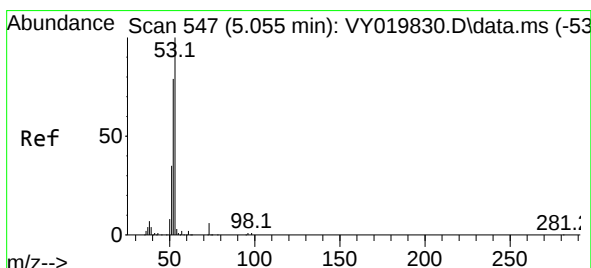
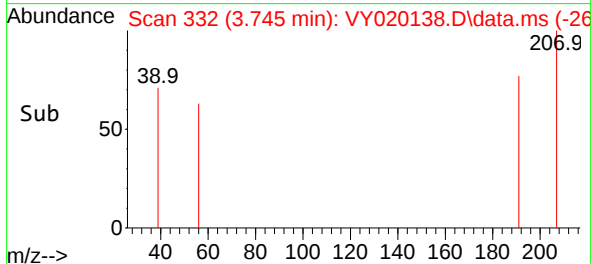
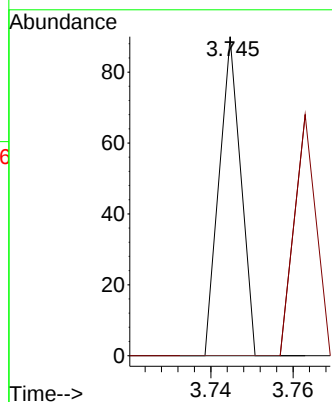
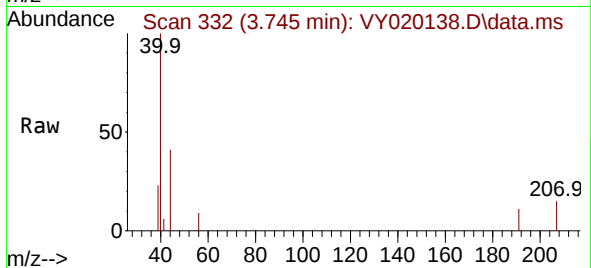
ClientSampleId :

Tgt Ion: 56 Resp: 33

Ion Ratio Lower Upper

56 100

55 75.8 55.7 83.5



#15

Acrylonitrile

Concen: 1.337 ug/l

RT: 5.049 min Scan# 546

Delta R.T. -0.006 min

Lab File: VY020138.D

Acq: 04 Nov 2024 13:26

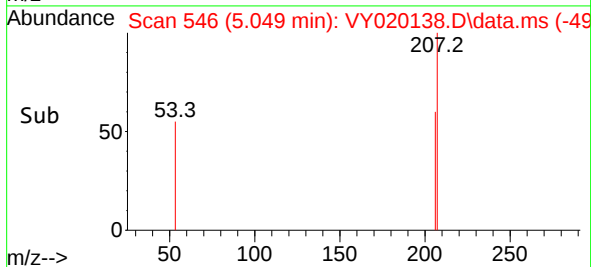
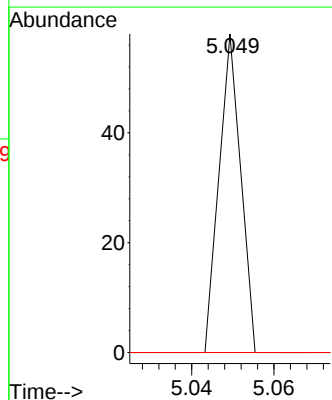
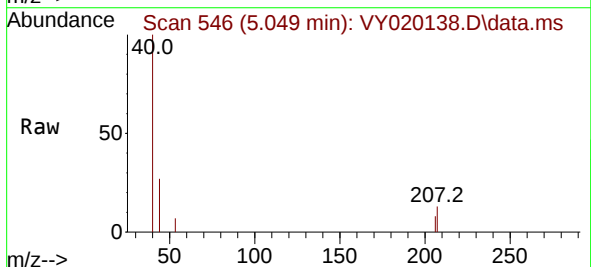
Tgt Ion: 53 Resp: 21

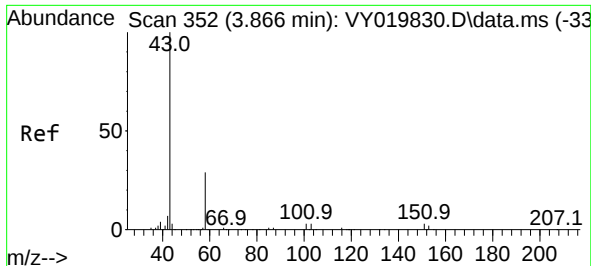
Ion Ratio Lower Upper

53 100

52 0.0 64.7 97.1#

51 0.0 28.4 42.6#

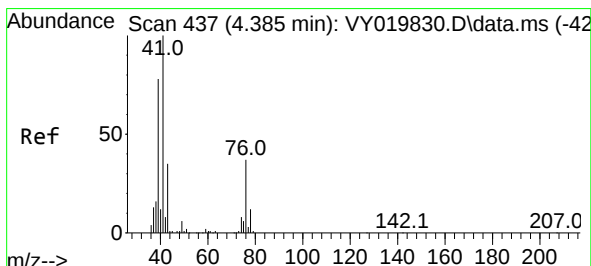
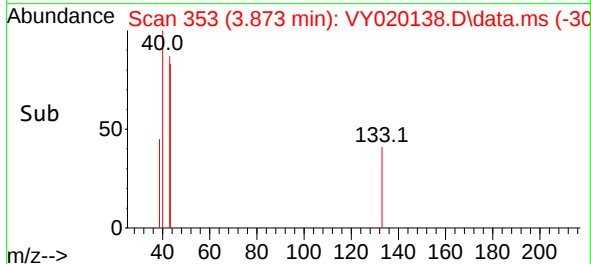
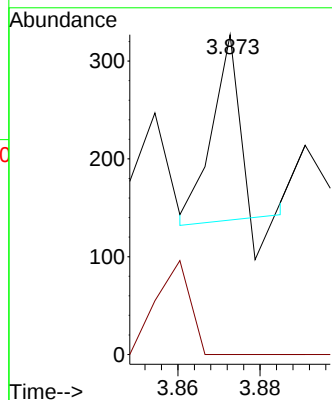
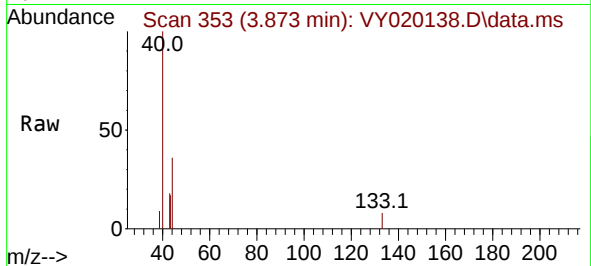




#16
Acetone
Concen: 4.536 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY020138.D
Acq: 04 Nov 2024 13:26

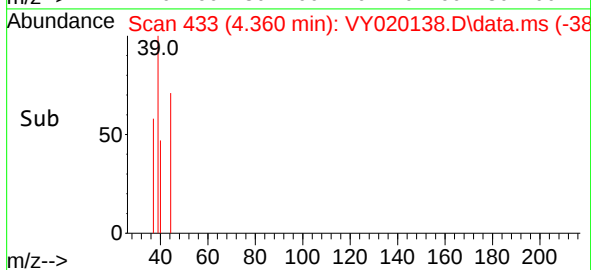
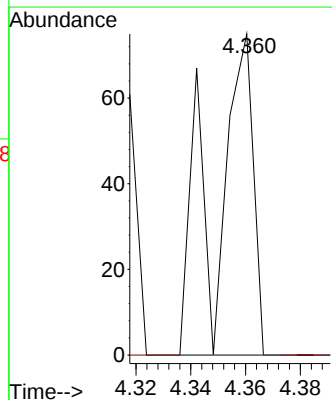
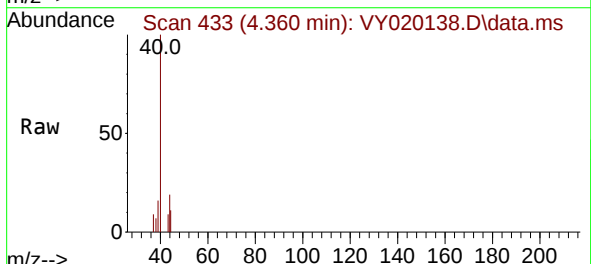
Instrument :
MSVOA_Y
ClientSampleId :

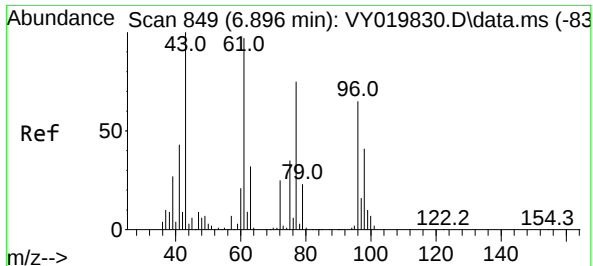
Tgt Ion: 43 Resp: 81
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



#18
Methyl Acetate
Concen: 1.718 ug/l
RT: 4.360 min Scan# 433
Delta R.T. -0.024 min
Lab File: VY020138.D
Acq: 04 Nov 2024 13:26

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





#25

2-Butanone

Concen: 3.387 ug/l

RT: 6.897 min Scan# 849

Delta R.T. 0.007 min

Lab File: VY020138.D

Acq: 04 Nov 2024 13:26

Instrument :

MSVOA_Y

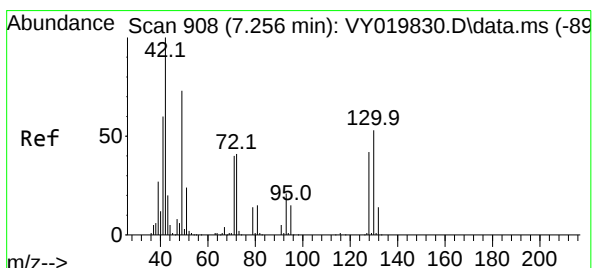
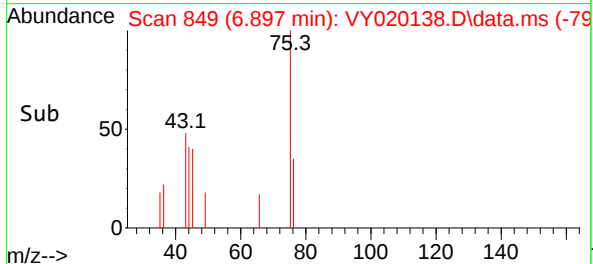
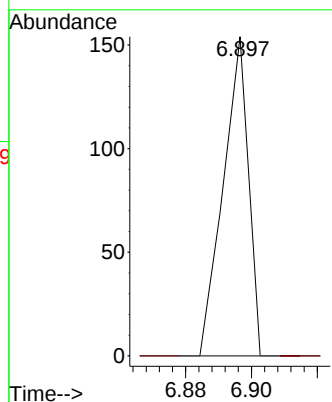
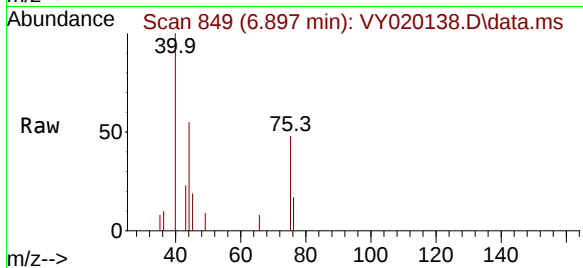
ClientSampleId :

Tgt Ion: 43 Resp: 82

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#29

Tetrahydrofuran

Concen: 2.362 ug/l

RT: 7.281 min Scan# 912

Delta R.T. 0.019 min

Lab File: VY020138.D

Acq: 04 Nov 2024 13:26

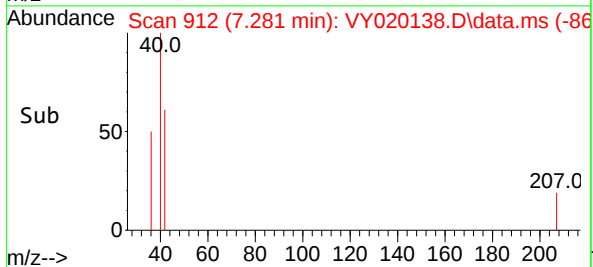
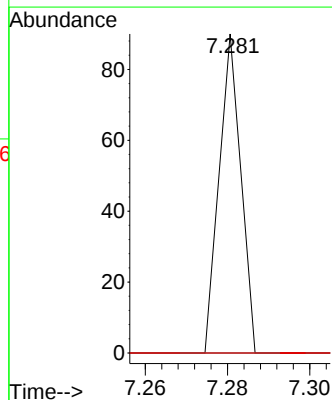
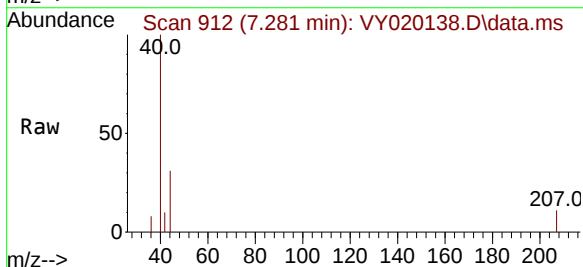
Tgt Ion: 42 Resp: 33

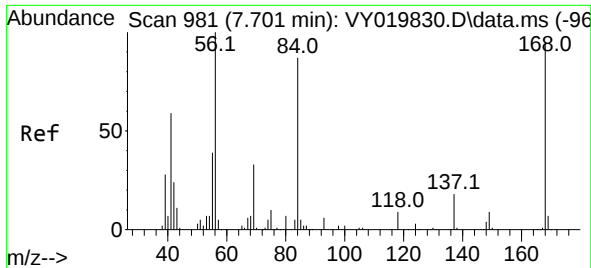
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

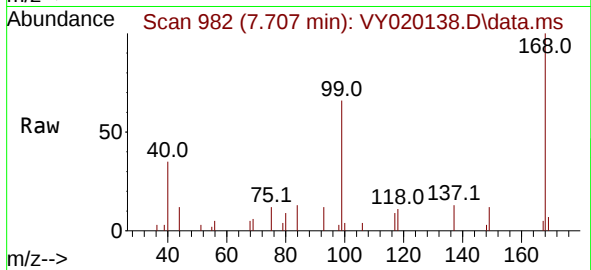
71 0.0 40.8 61.2#



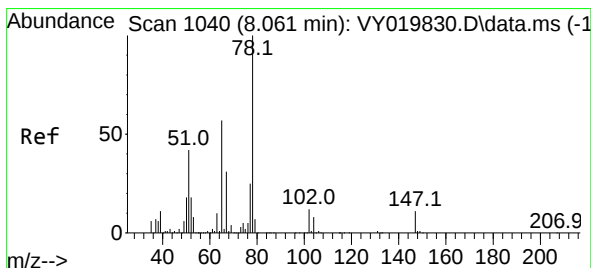
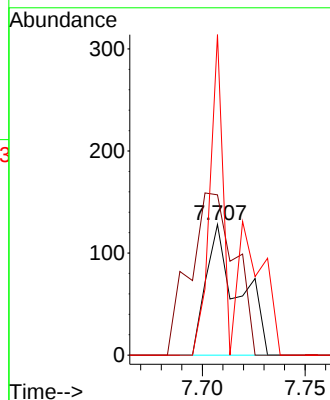
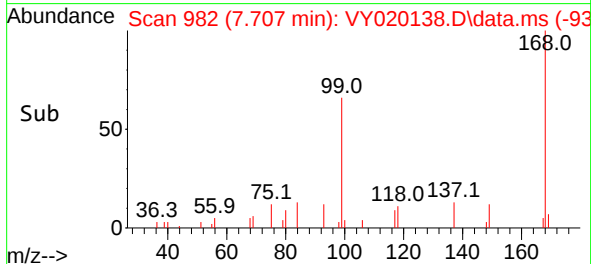


#31
Cyclohexane
Concen: 1.019 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.007 min
Lab File: VY020138.D
Acq: 04 Nov 2024 13:26

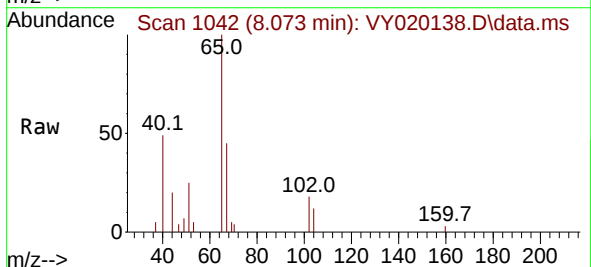
Instrument :
MSVOA_Y
ClientSampleId :



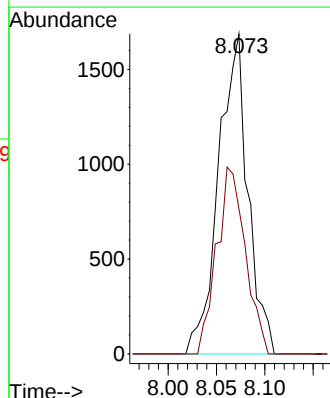
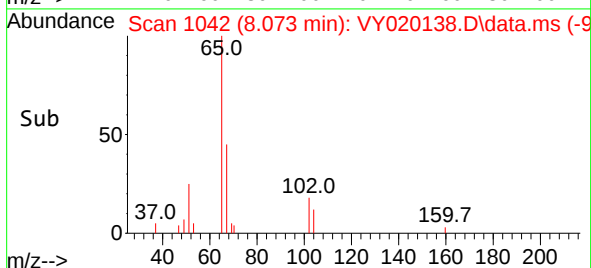
Tgt Ion: 56 Resp: 142
Ion Ratio Lower Upper
56 100
69 122.7 28.7 43.1#
84 245.3 77.7 116.5#

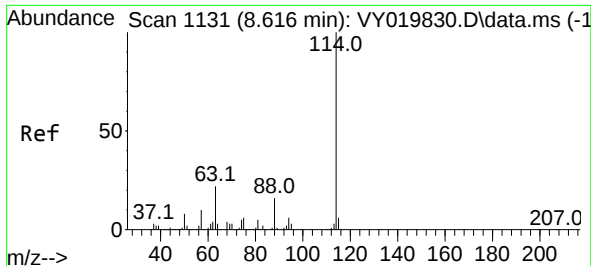


#33
1,2-Dichloroethane-d4
Concen: 46.293 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.013 min
Lab File: VY020138.D
Acq: 04 Nov 2024 13:26



Tgt Ion: 65 Resp: 3555
Ion Ratio Lower Upper
65 100
67 56.9 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.007 min

Lab File: VY020138.D

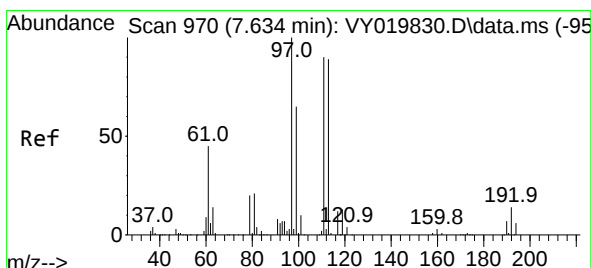
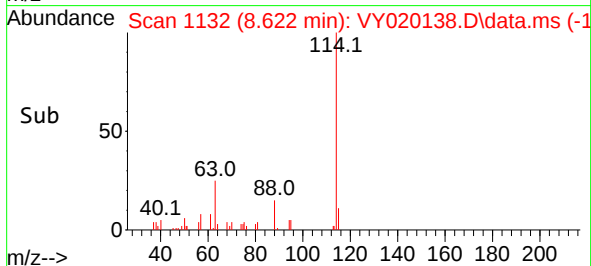
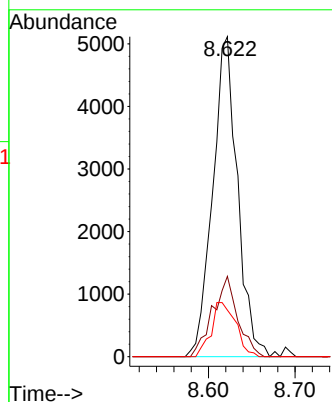
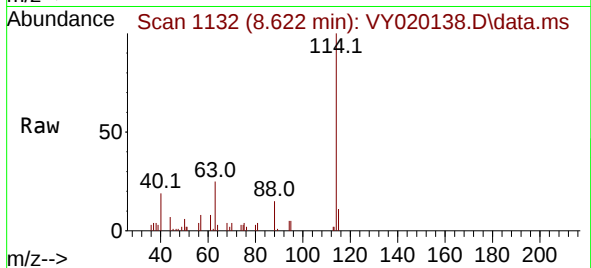
Acq: 04 Nov 2024 13:26

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	10167
Ion Ratio	Lower	Upper
114	100	
63	25.1	0.0 35.0
88	14.6	0.0 27.2



#35

Dibromofluoromethane

Concen: 51.716 ug/l

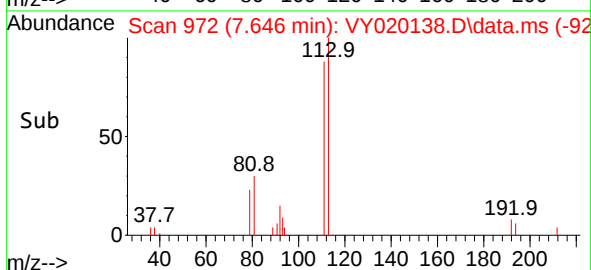
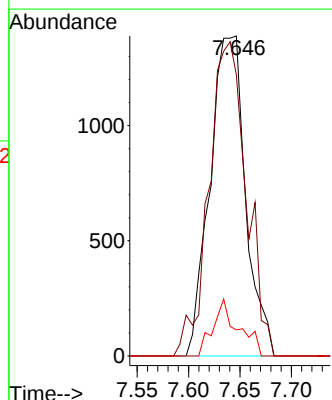
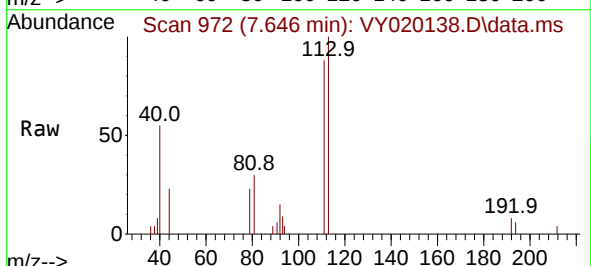
RT: 7.646 min Scan# 972

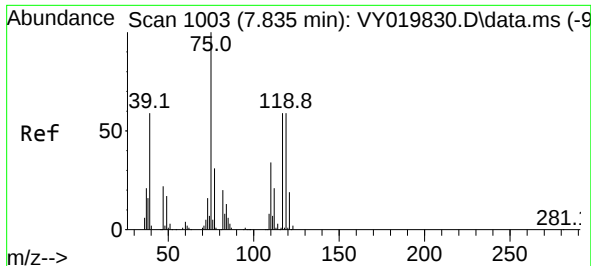
Delta R.T. 0.013 min

Lab File: VY020138.D

Acq: 04 Nov 2024 13:26

Tgt Ion:113	Resp:	3343
Ion Ratio	Lower	Upper
113	100	
111	103.2	82.2 123.4
192	12.6	15.9 23.9#





#36

1,1-Dichloropropene

Concen: 6.990 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY020138.D

Acq: 04 Nov 2024 13:26

Instrument :

MSVOA_Y

ClientSampleId :

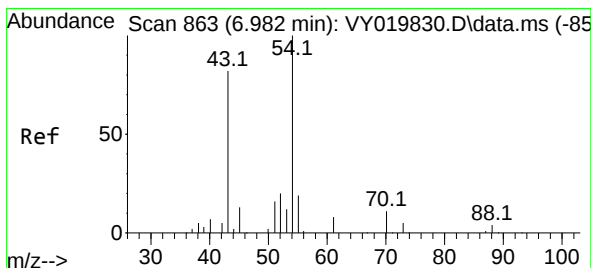
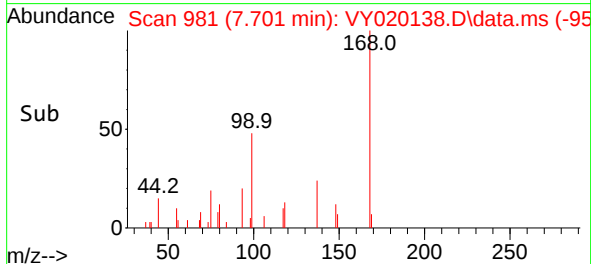
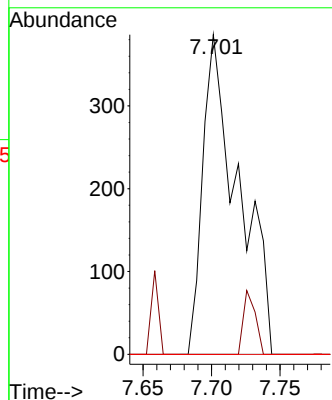
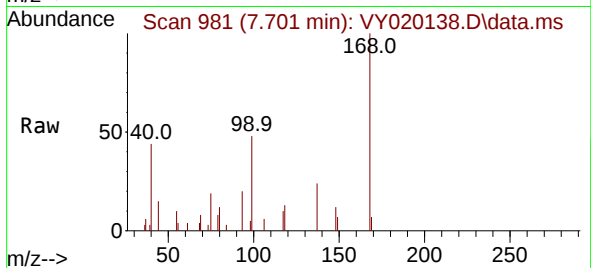
Tgt Ion: 75 Resp: 698

Ion Ratio Lower Upper

75 100

110 0.0 19.0 57.0#

77 0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: 1.092 ug/l

RT: 6.933 min Scan# 855

Delta R.T. -0.048 min

Lab File: VY020138.D

Acq: 04 Nov 2024 13:26

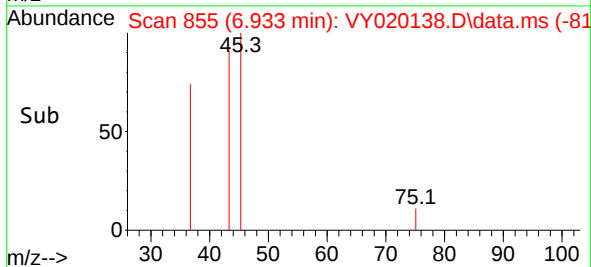
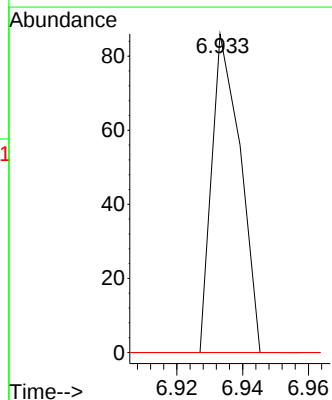
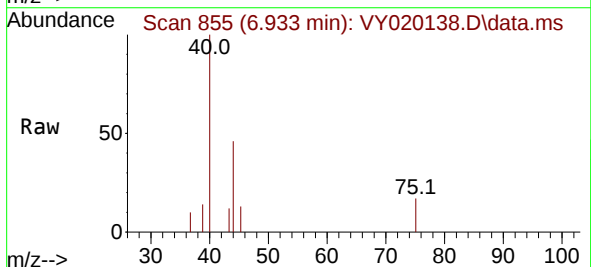
Tgt Ion: 43 Resp: 52

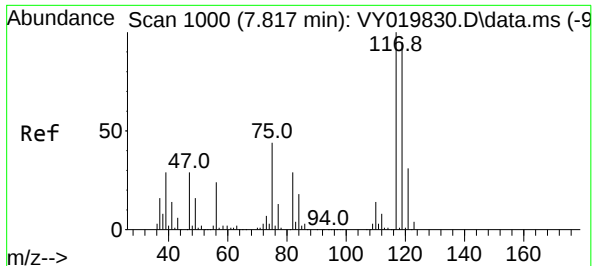
Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

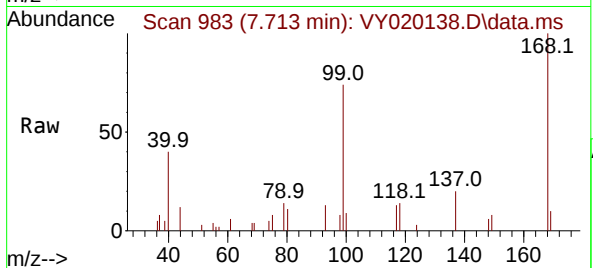
70 0.0 7.8 11.8#



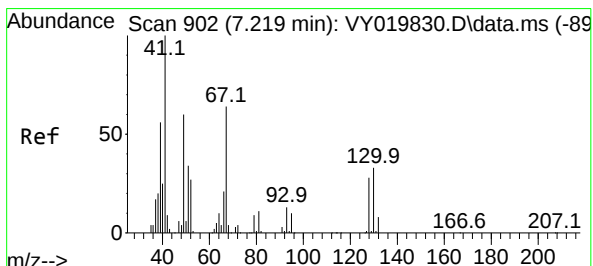
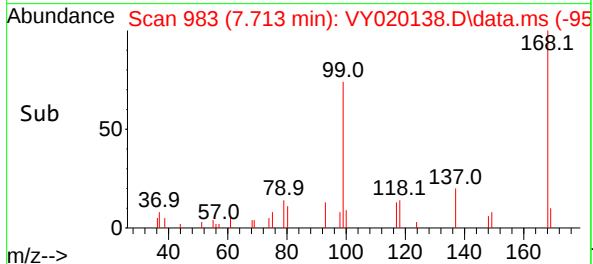
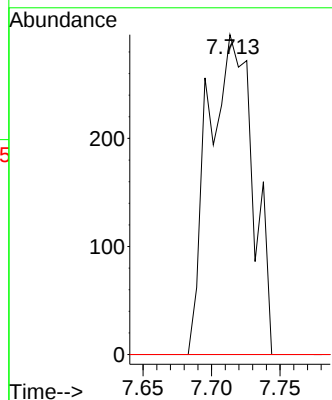


#38
Carbon Tetrachloride
Concen: 6.643 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY020138.D
Acq: 04 Nov 2024 13:26

Instrument :
MSVOA_Y
ClientSampleId :

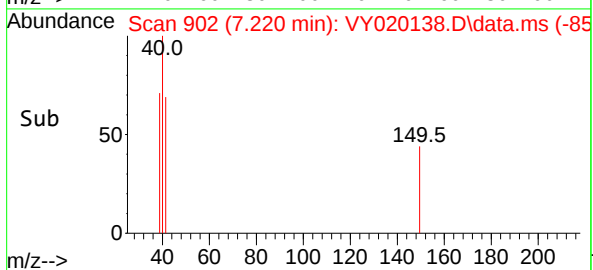
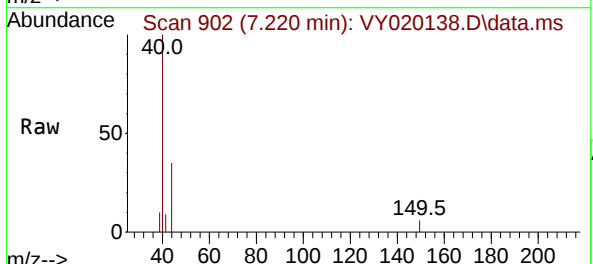
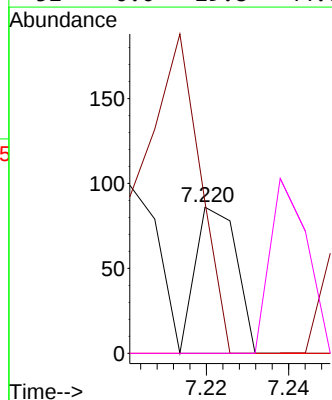


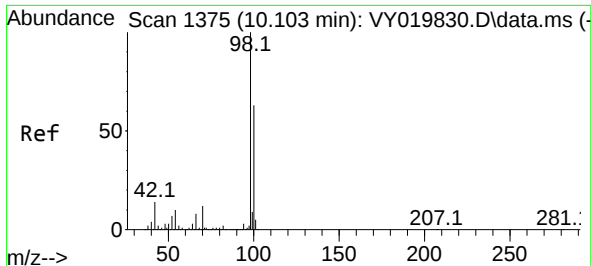
Tgt Ion:117 Resp: 667
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#41
Methacrylonitrile
Concen: 2.516 ug/l
RT: 7.220 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY020138.D
Acq: 04 Nov 2024 13:26

Tgt Ion: 41 Resp: 60
Ion Ratio Lower Upper
41 100
39 426.7 48.0 72.0#
67 0.0 75.1 112.7#
52 0.0 29.8 44.6#

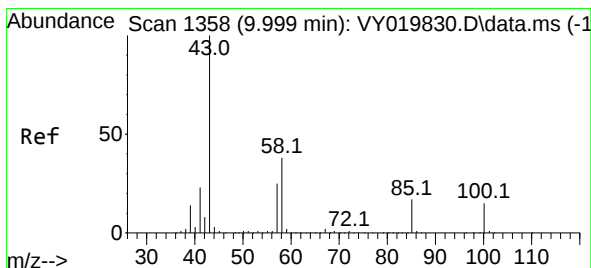
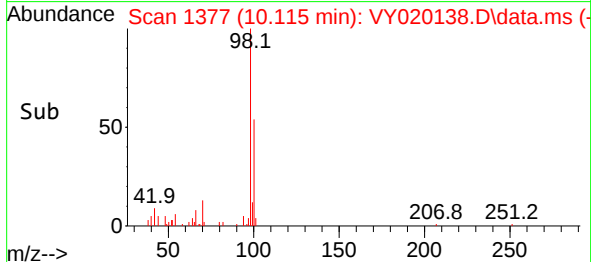
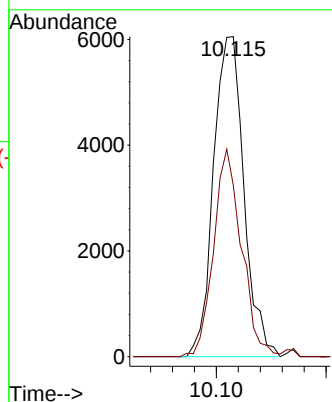
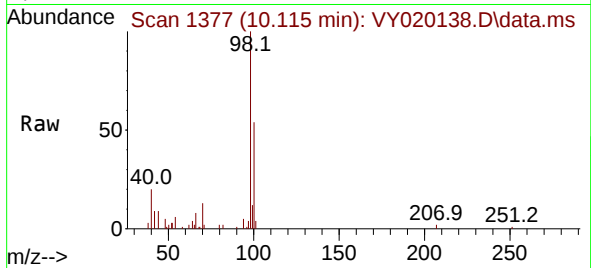




#50
Toluene-d8
Concen: 45.332 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY020138.D
Acq: 04 Nov 2024 13:26

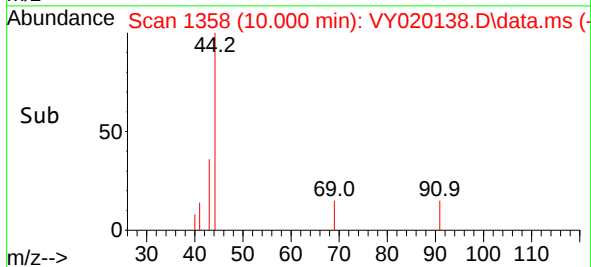
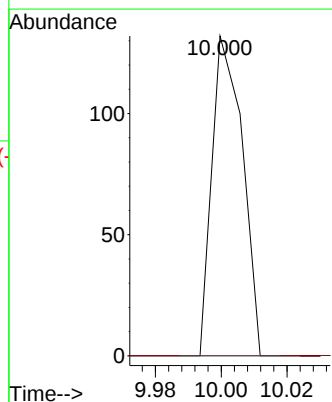
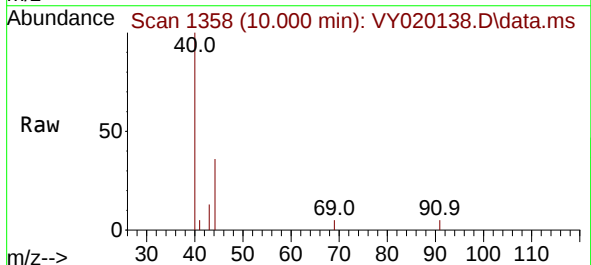
Instrument :
MSVOA_Y
ClientSampleId :

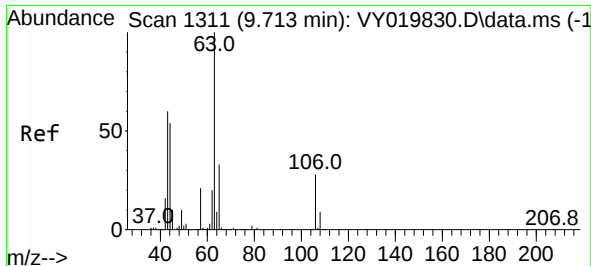
Tgt Ion: 98 Resp: 11664
Ion Ratio Lower Upper
98 100
100 59.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.802 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY020138.D
Acq: 04 Nov 2024 13:26

Tgt Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
58 0.0 35.7 53.5#

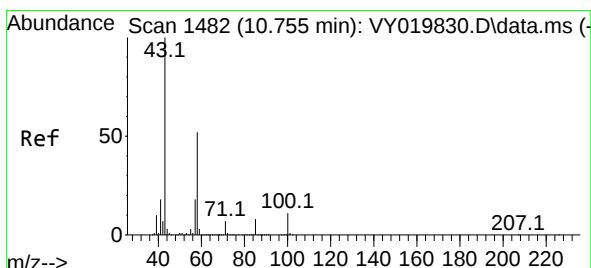
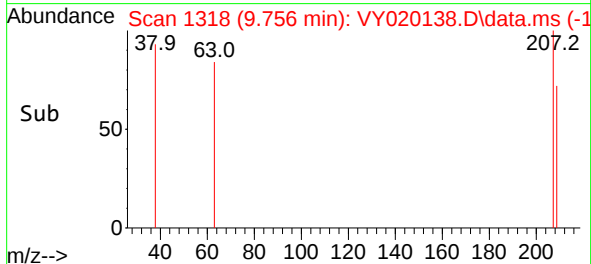
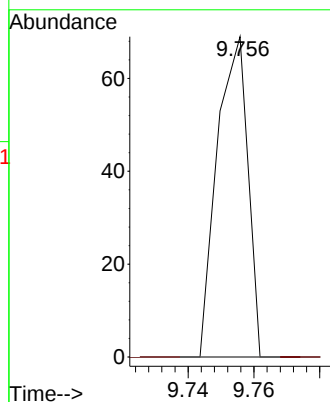
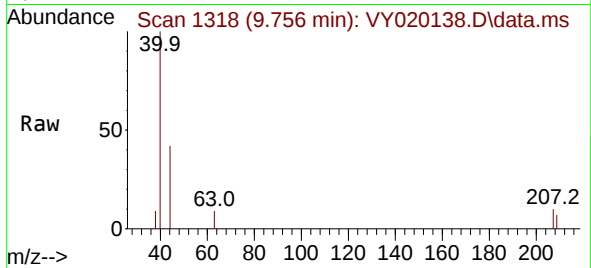




#58
2-Chloroethyl Vinyl ether
Concen: 1.354 ug/l
RT: 9.756 min Scan# 11
Delta R.T. 0.043 min
Lab File: VY020138.D
Acq: 04 Nov 2024 13:26

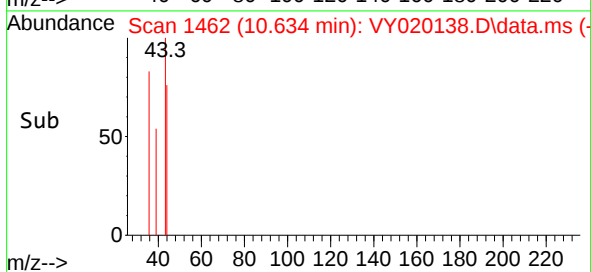
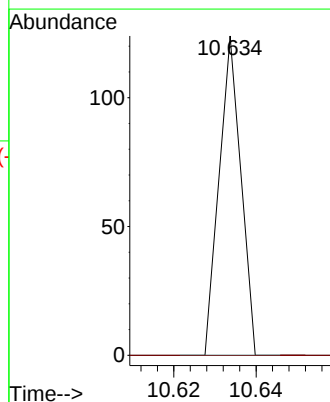
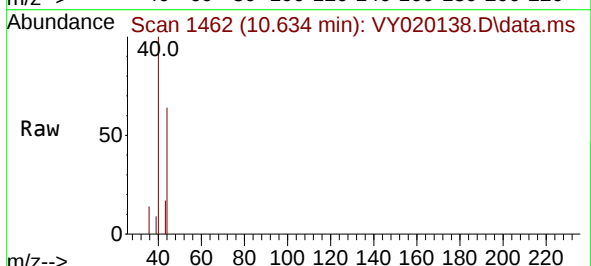
Instrument :
MSVOA_Y
ClientSampleId :

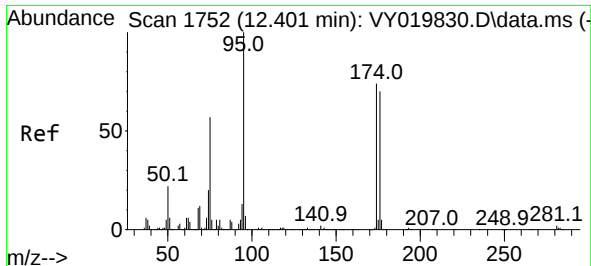
Tgt Ion: 63 Resp: 45
Ion Ratio Lower Upper
63 100
106 0.0 23.7 35.5#



#59
2-Hexanone
Concen: 1.331 ug/l
RT: 10.634 min Scan# 1462
Delta R.T. -0.128 min
Lab File: VY020138.D
Acq: 04 Nov 2024 13:26

Tgt Ion: 43 Resp: 45
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#

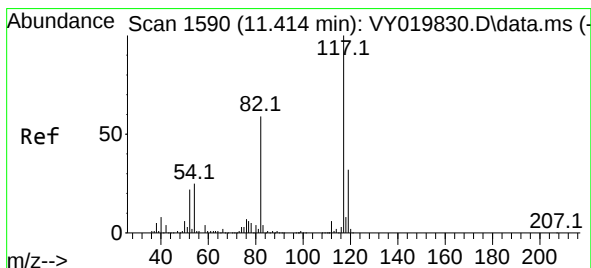
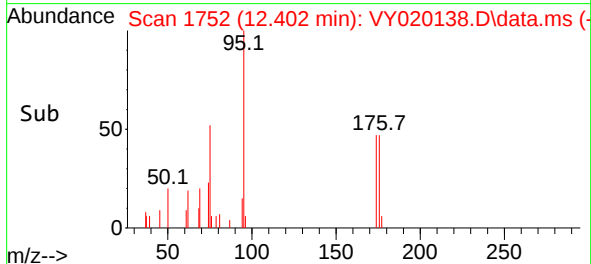
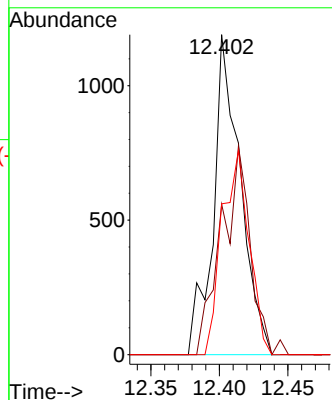
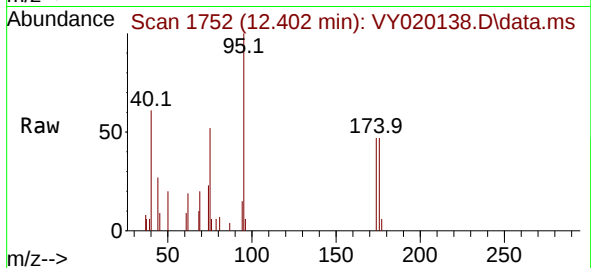




#62
4-Bromofluorobenzene
Concen: 19.587 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020138.D
Acq: 04 Nov 2024 13:26

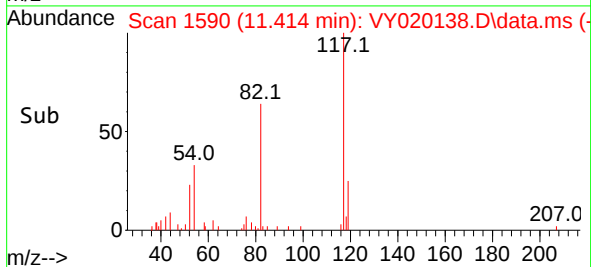
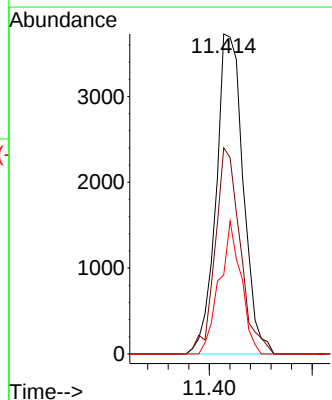
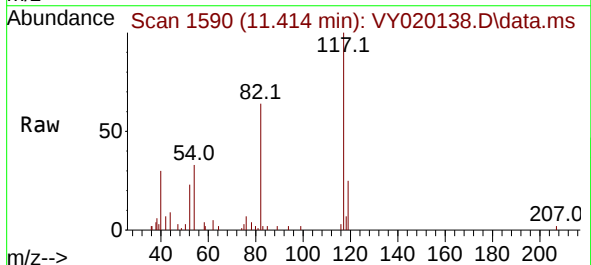
Instrument :
MSVOA_Y
ClientSampleId :

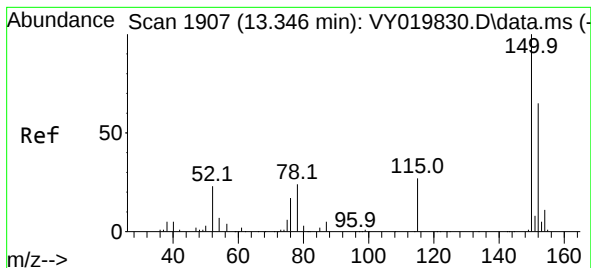
Tgt Ion: 95 Resp: 1637
Ion Ratio Lower Upper
95 100
174 70.1 0.0 175.6
176 63.8 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY020138.D
Acq: 04 Nov 2024 13:26

Tgt Ion: 117 Resp: 6808
Ion Ratio Lower Upper
117 100
82 64.4 42.4 63.6#
119 24.7 25.9 38.9#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1907

Delta R.T. 0.007 min

Lab File: VY020138.D

Acq: 04 Nov 2024 13:26

Instrument :

MSVOA_Y

ClientSampleId :

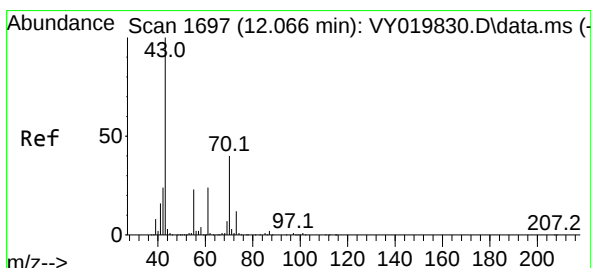
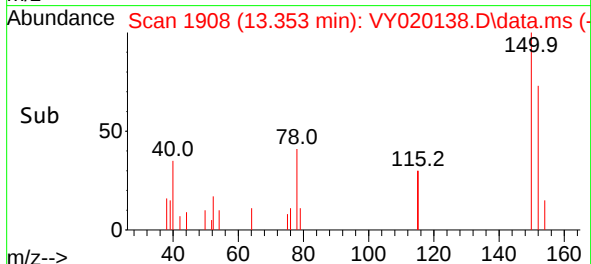
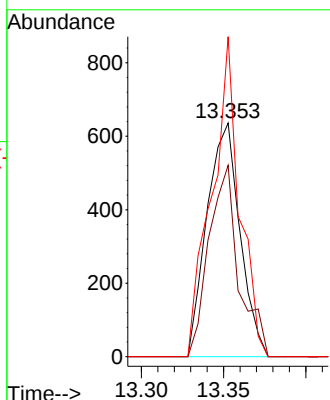
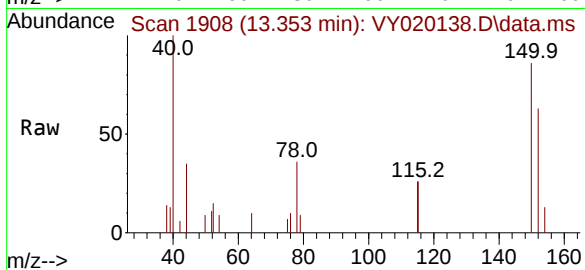
Tgt Ion:152 Resp: 887

Ion Ratio Lower Upper

152 100

115 74.1 28.2 84.7

150 115.6 0.0 345.6



#74

N-ethyl acetate

Concen: 1.129 ug/l

RT: 12.005 min Scan# 1687

Delta R.T. -0.067 min

Lab File: VY020138.D

Acq: 04 Nov 2024 13:26

Tgt Ion: 43 Resp: 20

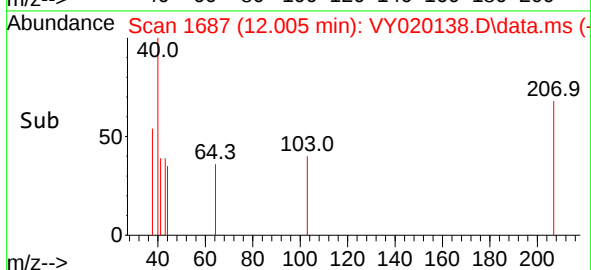
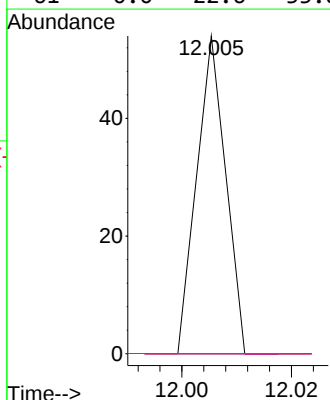
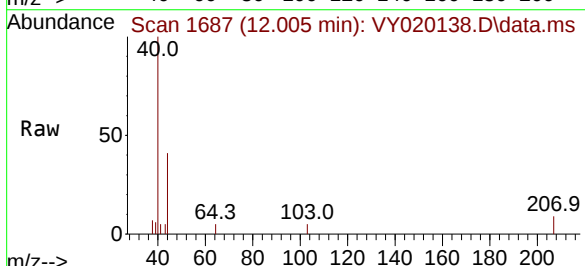
Ion Ratio Lower Upper

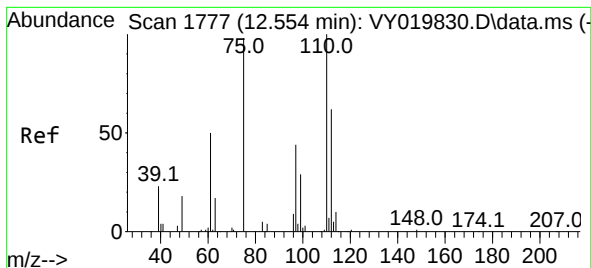
43 100

70 0.0 41.4 62.2#

55 0.0 23.3 34.9#

61 0.0 22.6 33.8#

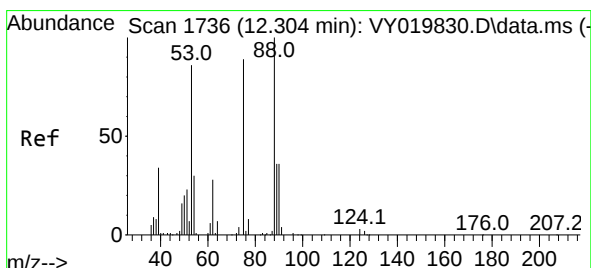
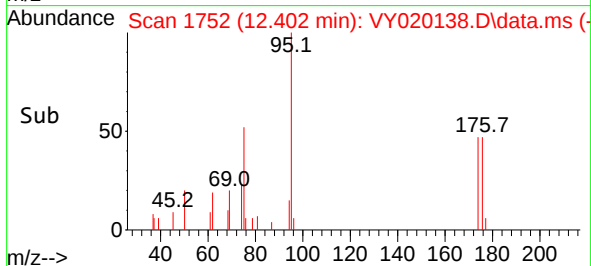
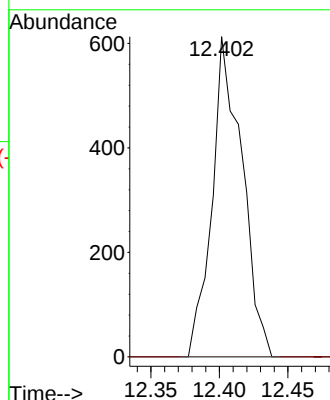
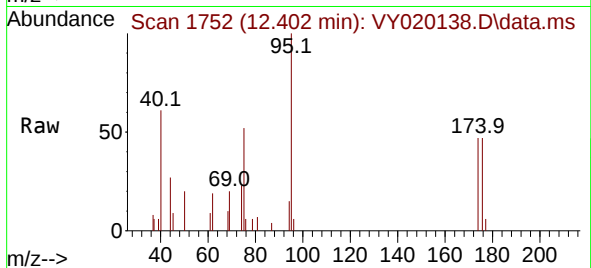




#76
1,2,3-Trichloropropane
Concen: 112.331 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY020138.D
Acq: 04 Nov 2024 13:26

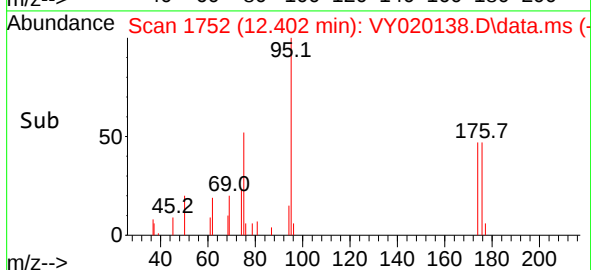
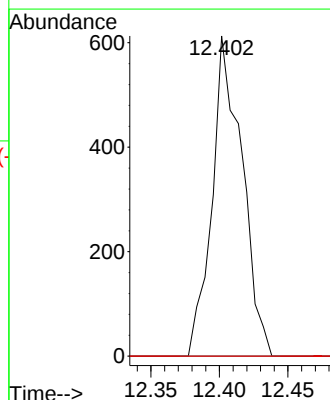
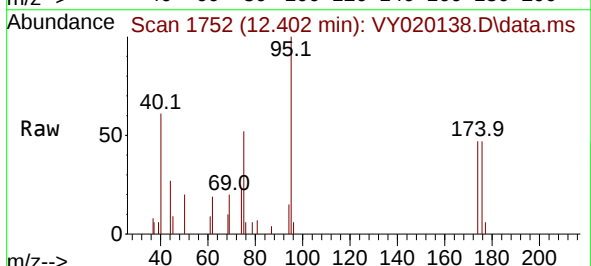
Instrument :
MSVOA_Y
ClientSampleId :

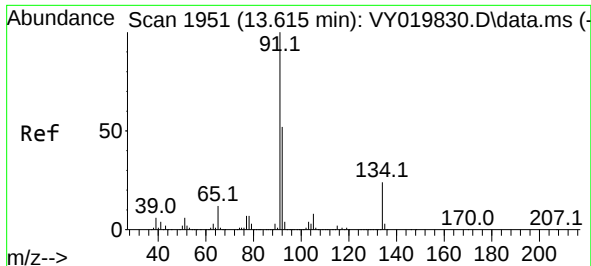
Tgt Ion: 75 Resp: 934
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 241.621 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY020138.D
Acq: 04 Nov 2024 13:26

Tgt Ion: 75 Resp: 934
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#





#89

n-Butylbenzene

Concen: 1.140 ug/l

RT: 13.688 min Scan# 1951

Delta R.T. 0.068 min

Lab File: VY020138.D

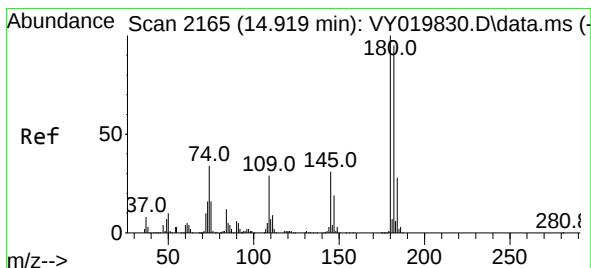
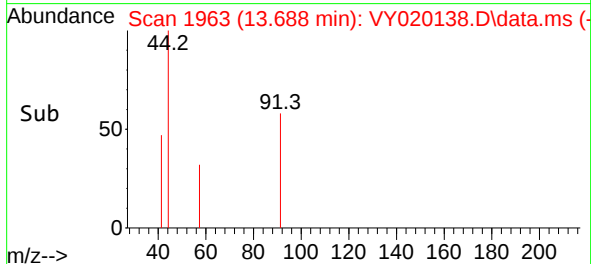
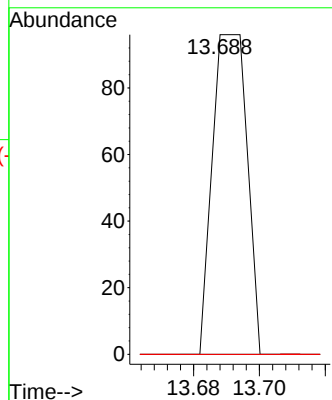
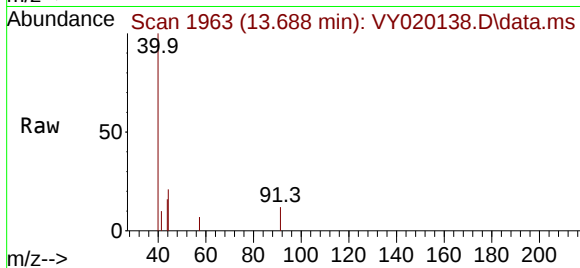
Acq: 04 Nov 2024 13:26

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 91	Resp:	70
Ion Ratio	Lower	Upper
91	100	
92	0.0	26.6 79.7#
134	0.0	12.9 38.7#



#93

1,2,4-Trichlorobenzene

Concen: 3.163 ug/l

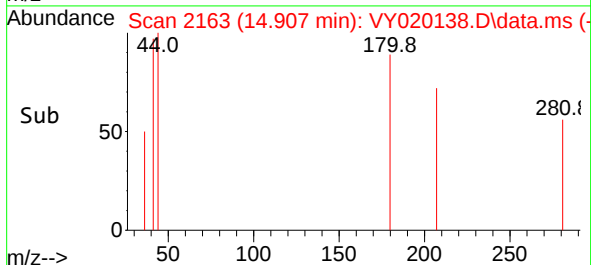
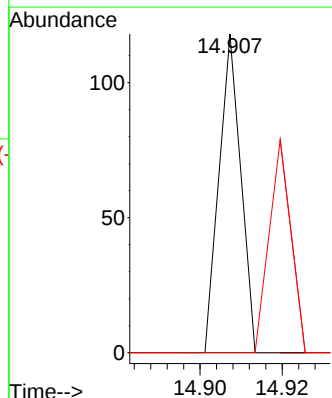
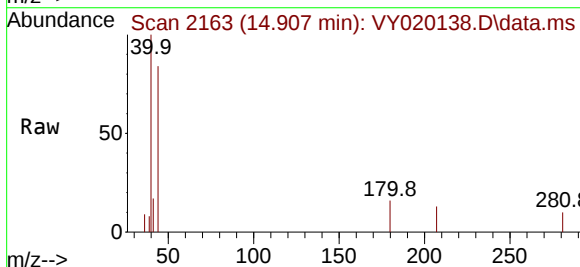
RT: 14.907 min Scan# 2163

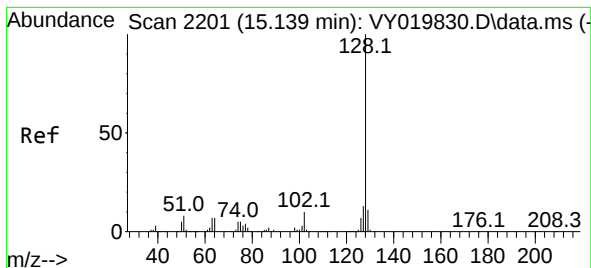
Delta R.T. -0.012 min

Lab File: VY020138.D

Acq: 04 Nov 2024 13:26

Tgt Ion: 180	Resp:	43
Ion Ratio	Lower	Upper
180	100	
182	0.0	47.9 143.8#
145	67.4	14.2 42.6#





#95

Naphthalene

Concen: 10.114 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY020138.D

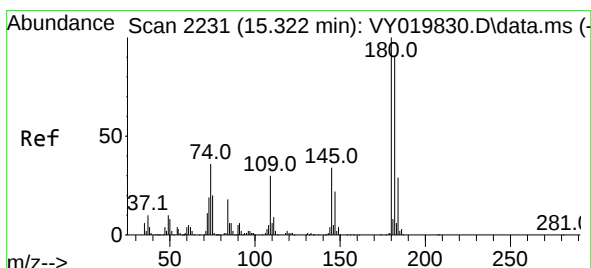
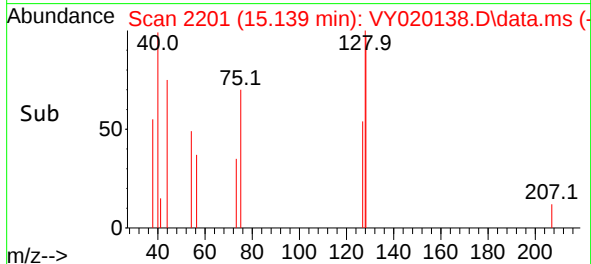
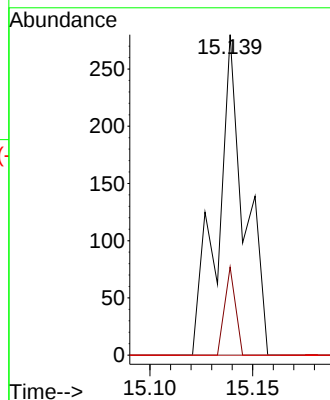
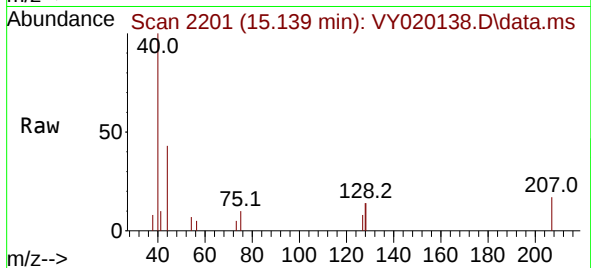
Acq: 04 Nov 2024 13:26

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:128	Resp:	257
Ion	Ratio	Lower Upper
128	100	
127	10.9	10.6 16.0
129	0.0	8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 2.860 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. -0.006 min

Lab File: VY020138.D

Acq: 04 Nov 2024 13:26

Tgt Ion:180	Resp:	33
Ion	Ratio	Lower Upper
180	100	
182	0.0	47.6 142.9#
145	0.0	15.4 46.1#

