

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110524\
 Data File : VY020166.D
 Acq On : 05 Nov 2024 14:55
 Operator : SY/MD
 Sample : P4697-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 06 00:26:18 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)

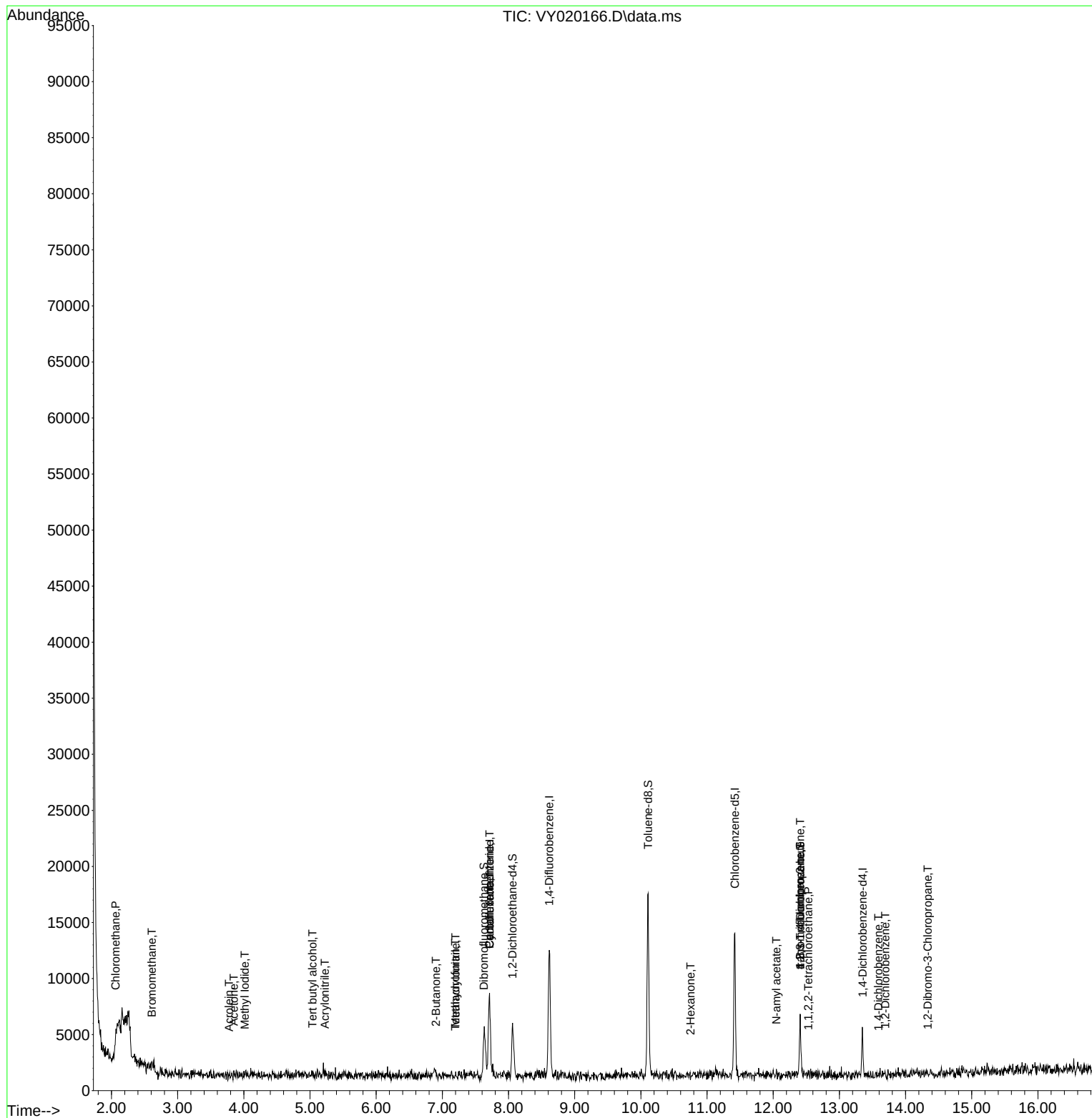
Internal Standards						
1) Pentafluorobenzene	7.713	168	5138	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	9436	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	6489	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	3300	51.462	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.920%	
35) Dibromofluoromethane	7.628	113	3043	50.722	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.440%	
50) Toluene-d8	10.109	98	11044	46.247	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 92.500%	
62) 4-Bromofluorobenzene	12.408	95	1539	19.841	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 39.680%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.062	50	193	2.450	ug/l	# 43
5) Bromomethane	2.611	94	166	2.956	ug/l	94
10) Methyl Iodide	4.013	142	66	1.180	ug/l	# 41
11) Tert butyl alcohol	5.037	59	23	4.986	ug/l	# 88
13) Acrolein	3.775	56	31	5.399	ug/l	# 15
15) Acrylonitrile	5.226	53	42	3.202	ug/l	# 18
16) Acetone	3.848	43	255	17.099	ug/l	# 36
25) 2-Butanone	6.903	43	24	1.187	ug/l	# 41
29) Tetrahydrofuran	7.195	42	56	4.800	ug/l	# 26
31) Cyclohexane	7.713	56	177	1.521	ug/l	# 40
38) Carbon Tetrachloride	7.713	117	582	6.245	ug/l	# 13
41) Methacrylonitrile	7.201	41	44	1.988	ug/l	# 1
59) 2-Hexanone	10.749	43	40	1.274	ug/l	# 19
74) N-amyl acetate	12.048	43	25	1.544	ug/l	# 37
75) 1,1,2,2-Tetrachloroethane	12.530	83	40	3.530	ug/l	# 26
76) 1,2,3-Trichloropropane	12.408	75	1118	147.061	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.408	75	1118	316.324	ug/l	# 16
88) 1,4-Dichlorobenzene	13.590	146	34	1.283	ug/l	# 25
91) 1,2-Dichlorobenzene	13.694	146	30	1.297	ug/l	# 25
92) 1,2-Dibromo-3-Chloropr...	14.334	75	55	32.008	ug/l	# 1

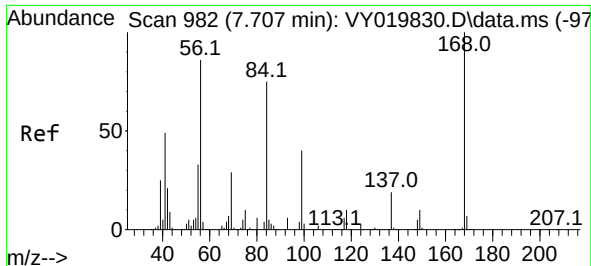
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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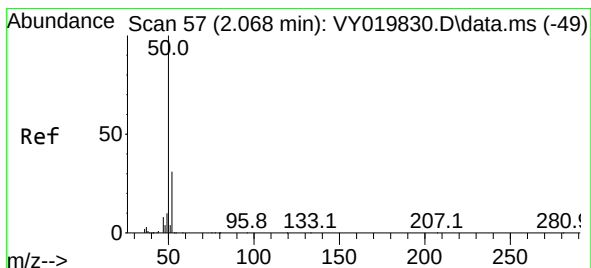
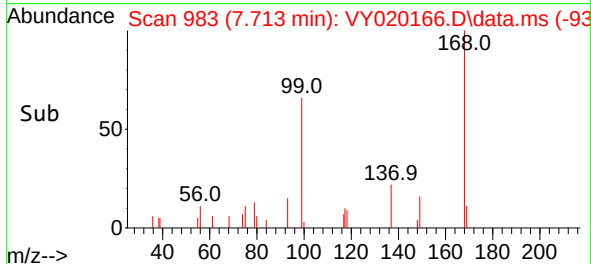
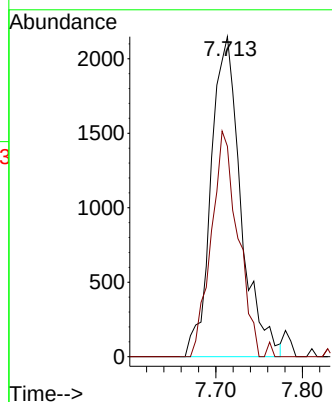
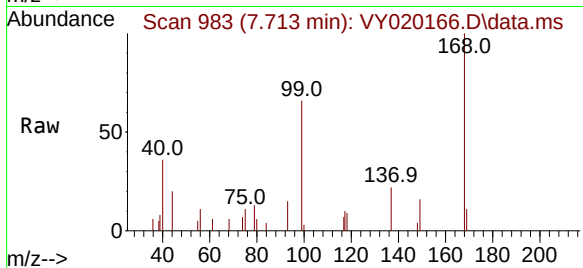




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020166.D
Acq: 05 Nov 2024 14:55

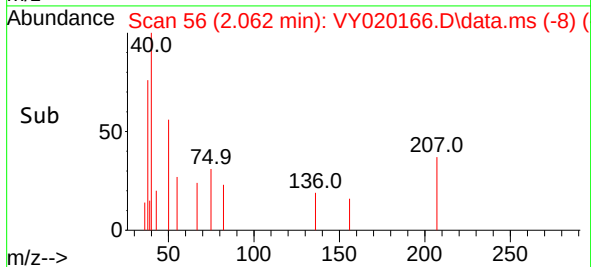
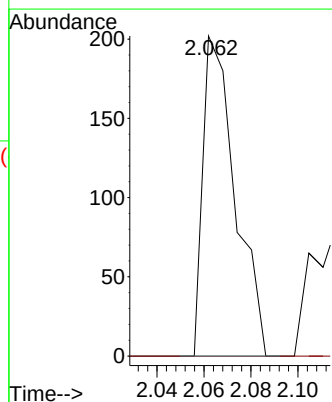
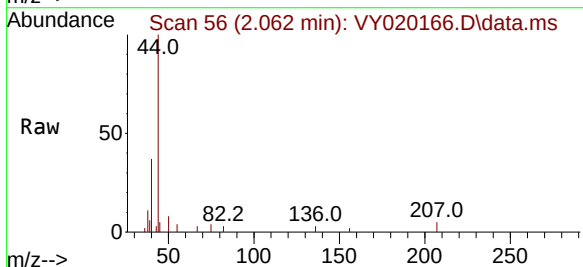
Instrument :
MSVOA_Y
ClientSampleId :

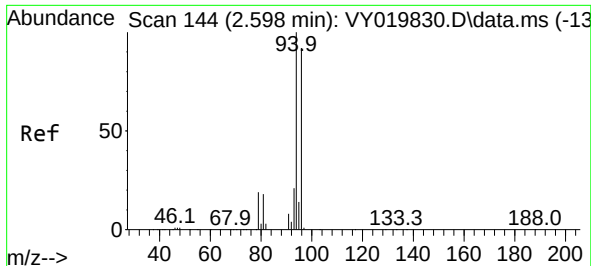
Tgt Ion:168 Resp: 5138
Ion Ratio Lower Upper
168 100
99 65.7 39.1 58.7#



#3
Chloromethane
Concen: 2.450 ug/l
RT: 2.062 min Scan# 56
Delta R.T. -0.006 min
Lab File: VY020166.D
Acq: 05 Nov 2024 14:55

Tgt Ion: 50 Resp: 193
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

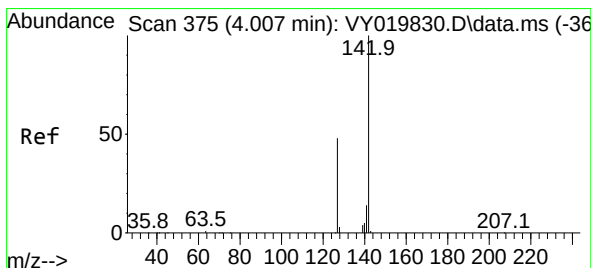
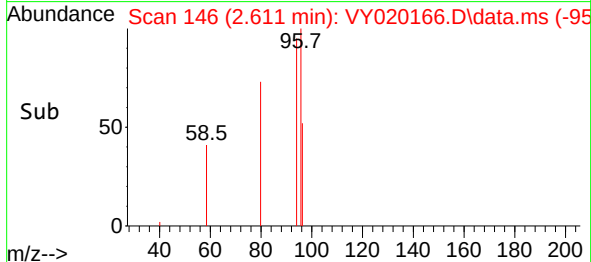
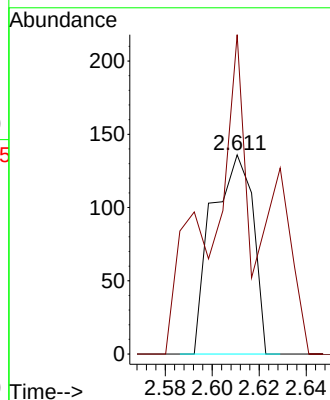
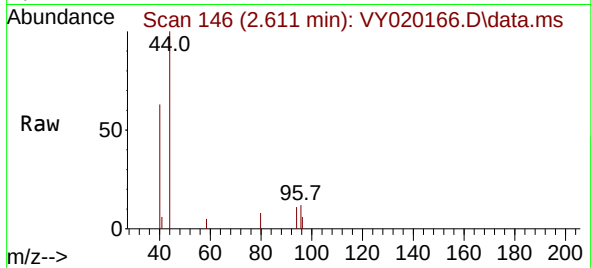




#5
Bromomethane
Concen: 2.956 ug/l
RT: 2.611 min Scan# 144
Delta R.T. 0.013 min
Lab File: VY020166.D
Acq: 05 Nov 2024 14:55

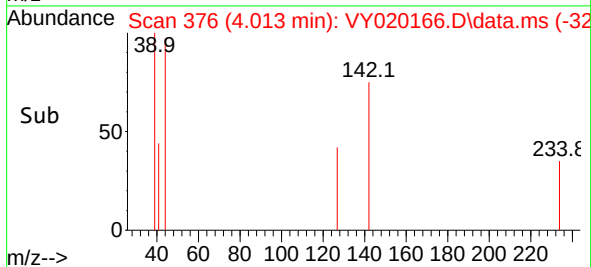
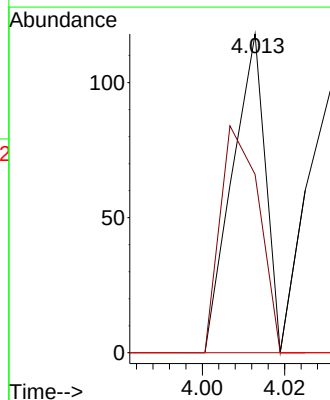
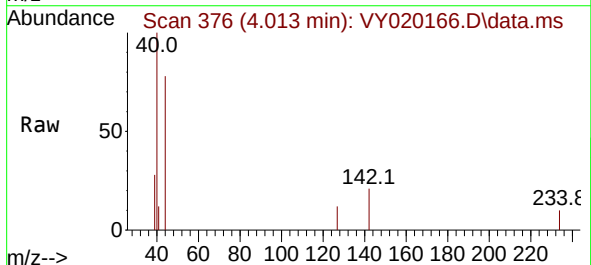
Instrument :
MSVOA_Y
ClientSampleId :

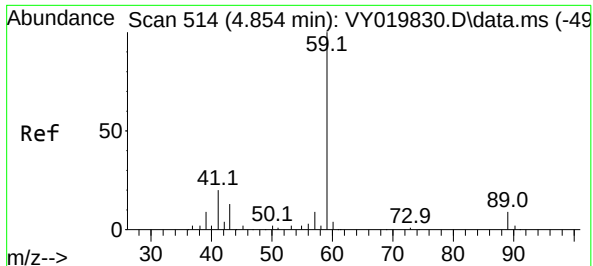
Tgt Ion: 94 Resp: 166
Ion Ratio Lower Upper
94 100
96 98.5 74.1 111.1



#10
Methyl Iodide
Concen: 1.180 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY020166.D
Acq: 05 Nov 2024 14:55

Tgt Ion:142 Resp: 66
Ion Ratio Lower Upper
142 100
127 83.3 32.8 49.2#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 4.986 ug/l

RT: 5.037 min Scan# 54

Delta R.T. 0.177 min

Lab File: VY020166.D

Acq: 05 Nov 2024 14:55

Instrument :

MSVOA_Y

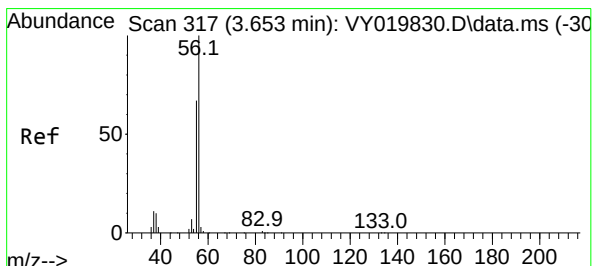
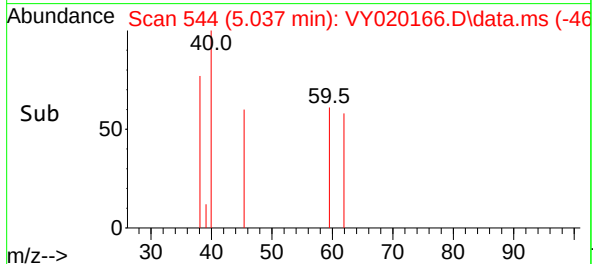
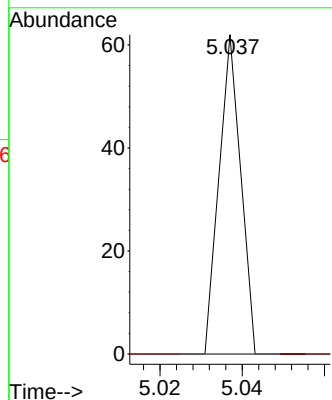
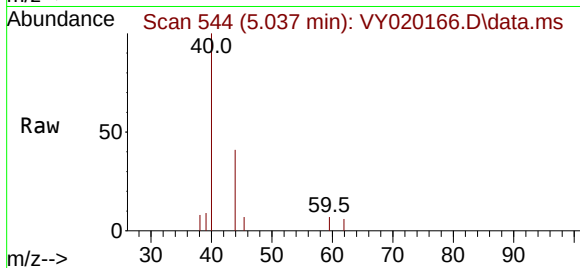
ClientSampleId :

Tgt Ion: 59 Resp: 23

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: 5.399 ug/l

RT: 3.775 min Scan# 337

Delta R.T. 0.122 min

Lab File: VY020166.D

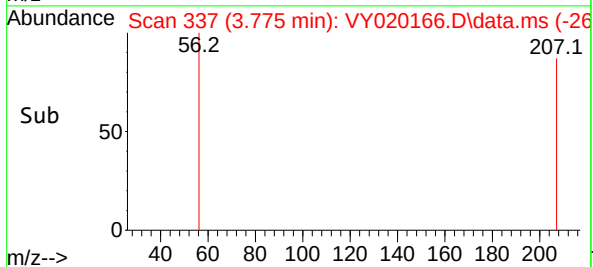
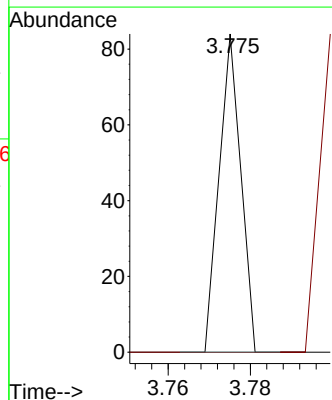
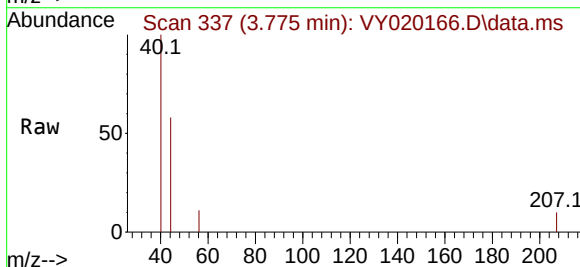
Acq: 05 Nov 2024 14:55

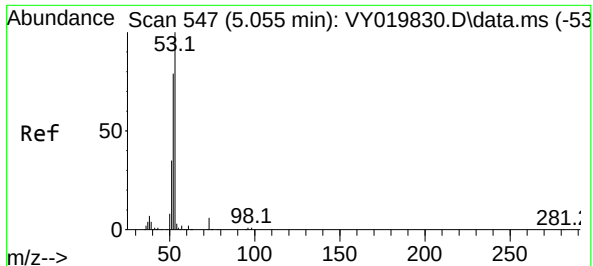
Tgt Ion: 56 Resp: 31

Ion Ratio Lower Upper

56 100

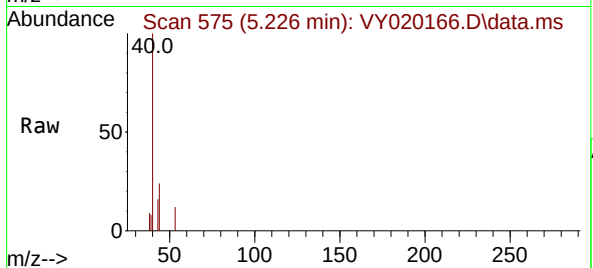
55 0.0 55.7 83.5#



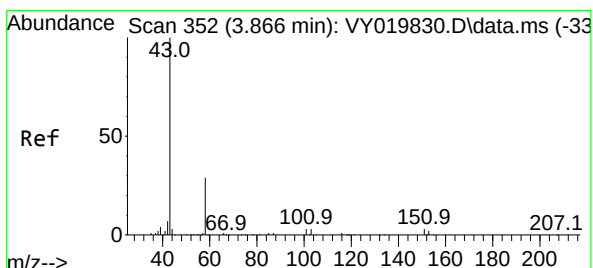
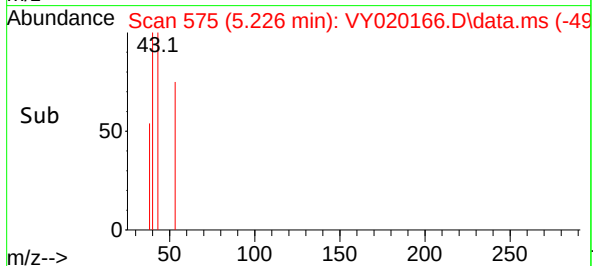
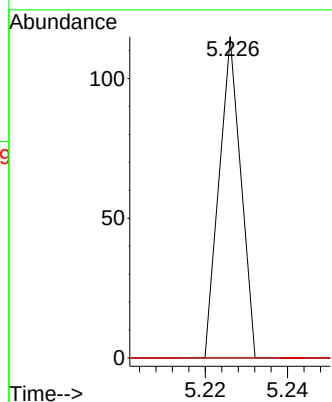


#15
Acrylonitrile
Concen: 3.202 ug/l
RT: 5.226 min Scan# 51
Delta R.T. 0.171 min
Lab File: VY020166.D
Acq: 05 Nov 2024 14:55

Instrument :
MSVOA_Y
ClientSampleId :

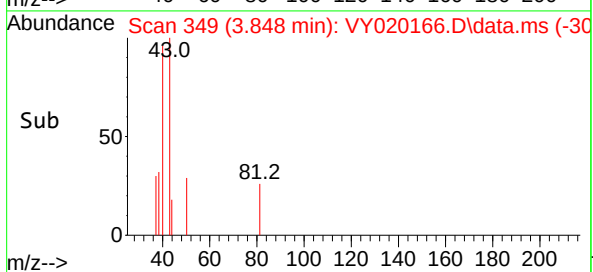
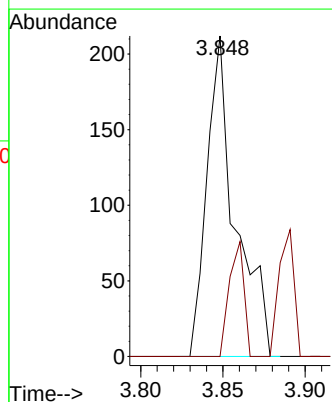
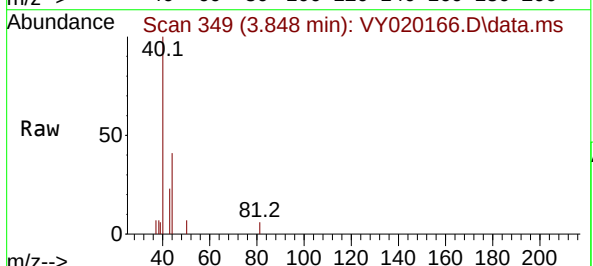


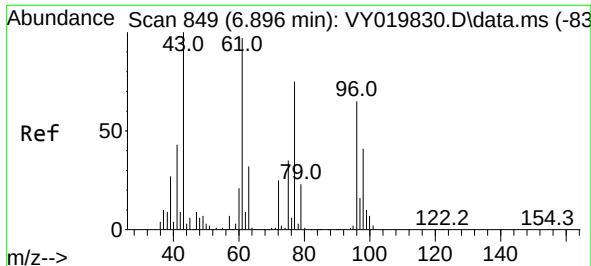
Tgt Ion: 53 Resp: 42
Ion Ratio Lower Upper
53 100
52 0.0 64.7 97.1#
51 0.0 28.4 42.6#



#16
Acetone
Concen: 17.099 ug/l
RT: 3.848 min Scan# 349
Delta R.T. -0.024 min
Lab File: VY020166.D
Acq: 05 Nov 2024 14:55

Tgt Ion: 43 Resp: 255
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#





#25

2-Butanone

Concen: 1.187 ug/l

RT: 6.903 min Scan# 849

Delta R.T. 0.013 min

Lab File: VY020166.D

Acq: 05 Nov 2024 14:55

Instrument :

MSVOA_Y

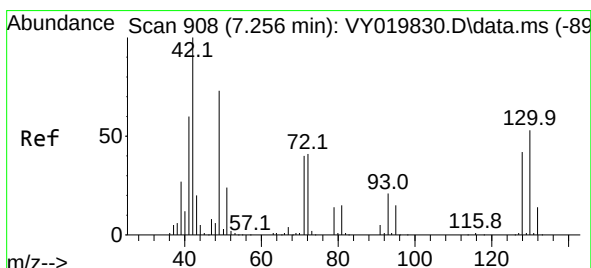
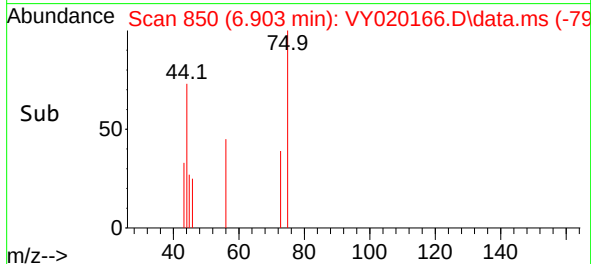
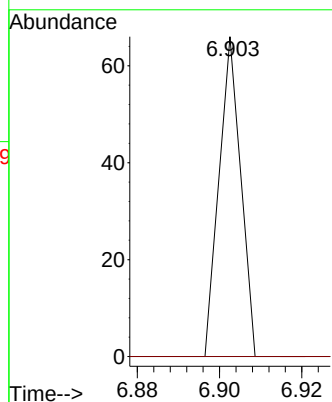
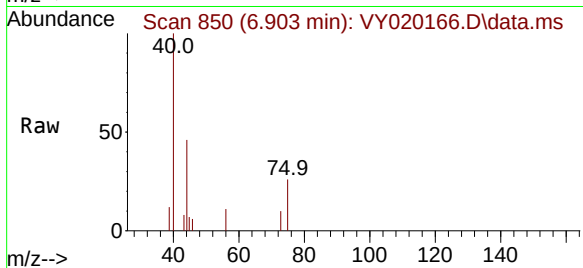
ClientSampleId :

Tgt Ion: 43 Resp: 24

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#29

Tetrahydrofuran

Concen: 4.800 ug/l

RT: 7.195 min Scan# 898

Delta R.T. -0.067 min

Lab File: VY020166.D

Acq: 05 Nov 2024 14:55

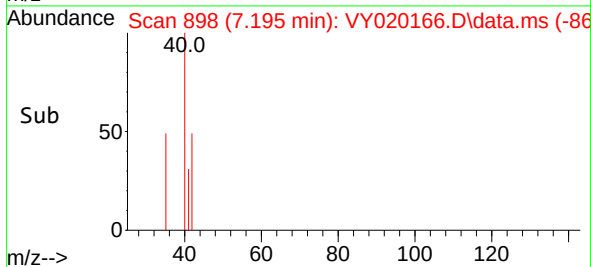
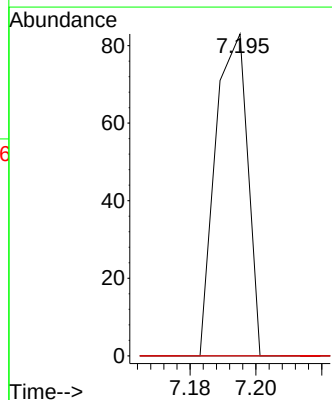
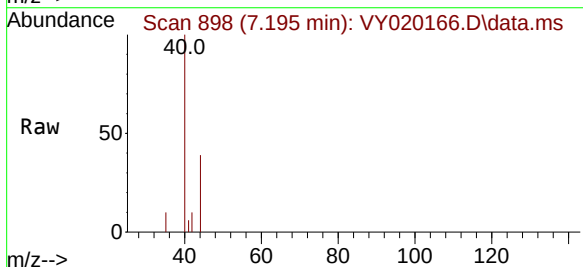
Tgt Ion: 42 Resp: 56

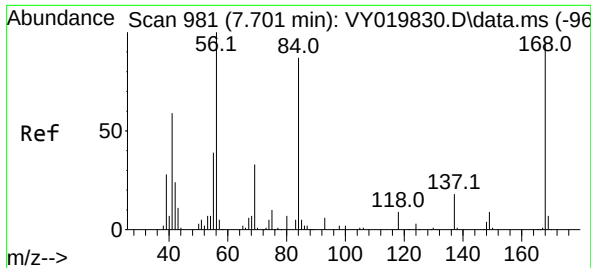
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 0.0 40.8 61.2#

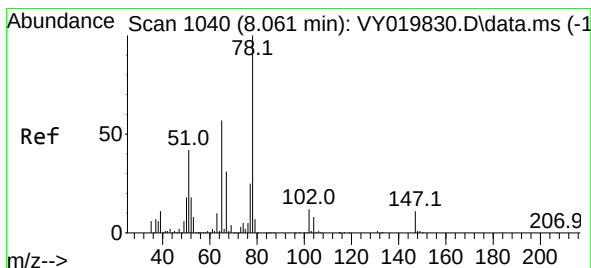
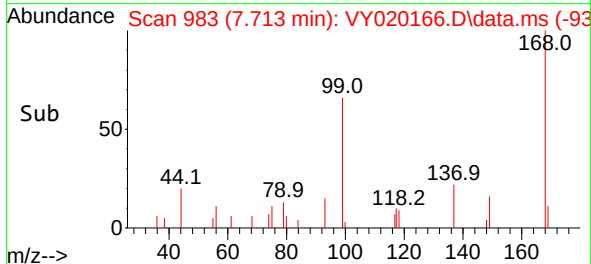
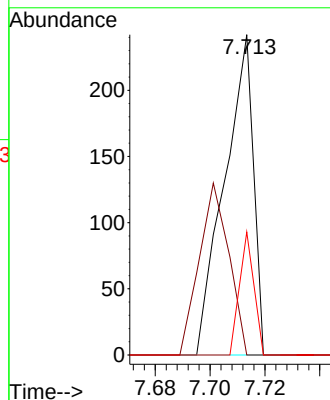
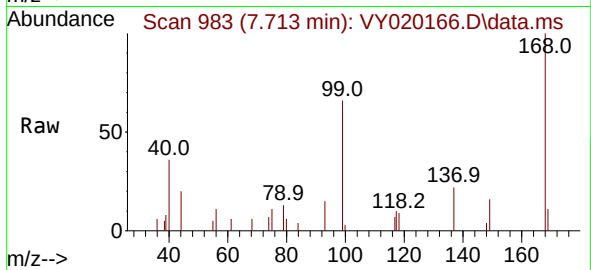




#31
Cyclohexane
Concen: 1.521 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.013 min
Lab File: VY020166.D
Acq: 05 Nov 2024 14:55

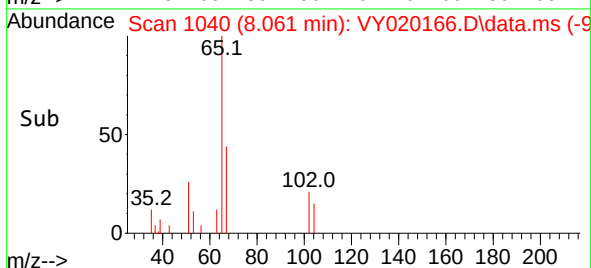
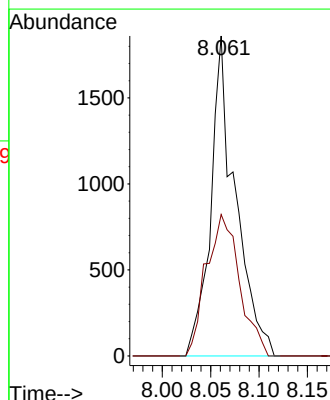
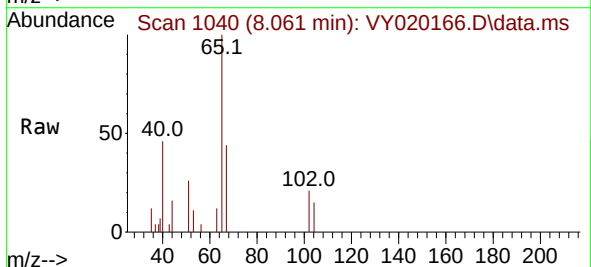
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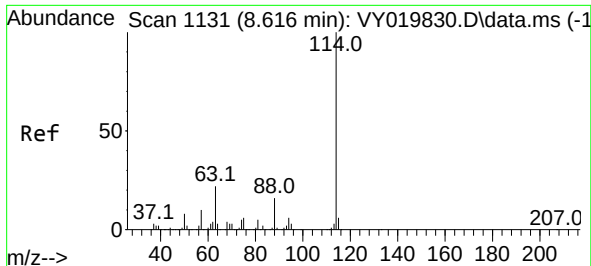
Tgt Ion: 56 Resp: 177
Ion Ratio Lower Upper
56 100
69 0.0 28.7 43.1#
84 38.4 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 51.462 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020166.D
Acq: 05 Nov 2024 14:55

Tgt Ion: 65 Resp: 3300
Ion Ratio Lower Upper
65 100
67 59.5 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: VY020166.D

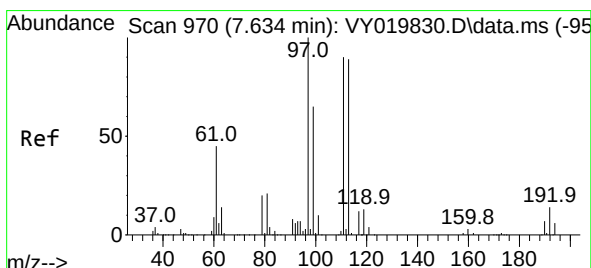
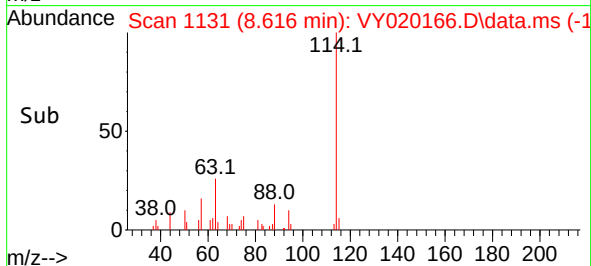
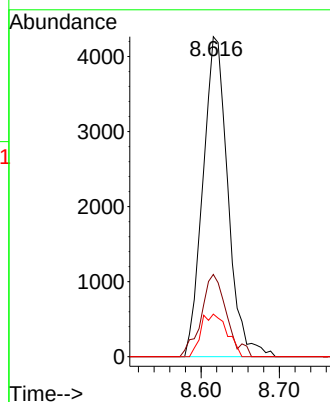
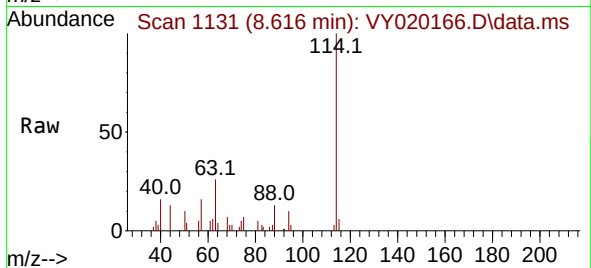
Acq: 05 Nov 2024 14:55

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	9436
Ion Ratio	Lower	Upper
114	100	
63	25.7	0.0 35.0
88	13.3	0.0 27.2



#35

Dibromofluoromethane

Concen: 50.722 ug/l

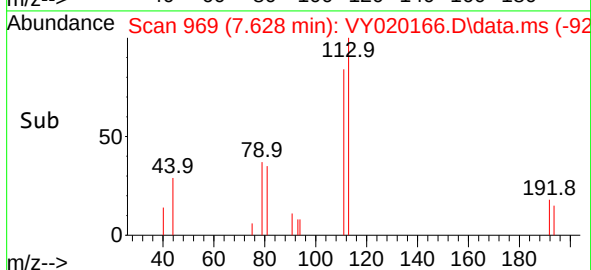
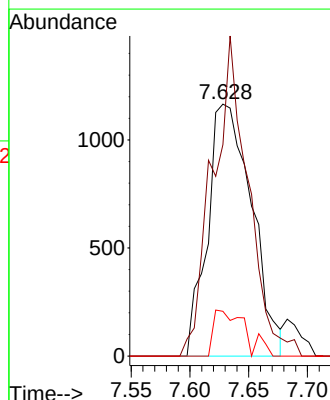
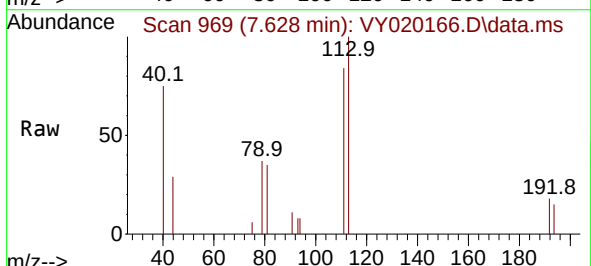
RT: 7.628 min Scan# 969

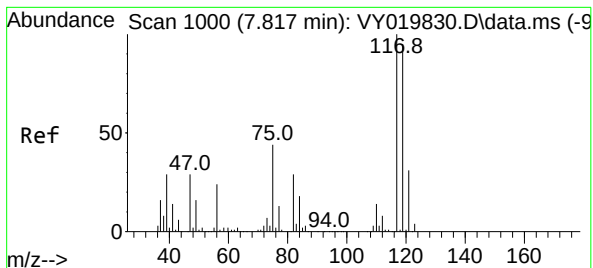
Delta R.T. -0.006 min

Lab File: VY020166.D

Acq: 05 Nov 2024 14:55

Tgt Ion:113	Resp:	3043
Ion Ratio	Lower	Upper
113	100	
111	102.7	82.2 123.4
192	13.2	15.9 23.9





#38

Carbon Tetrachloride

Concen: 6.245 ug/l

RT: 7.713 min Scan# 911

Delta R.T. -0.103 min

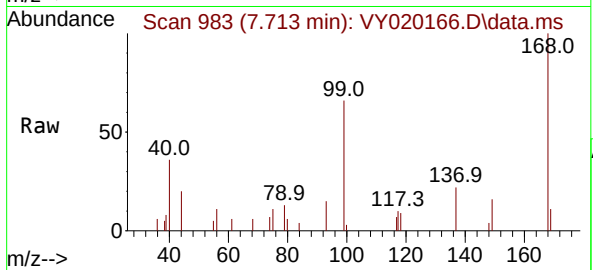
Lab File: VY020166.D

Acq: 05 Nov 2024 14:55

Instrument :

MSVOA_Y

ClientSampleId :



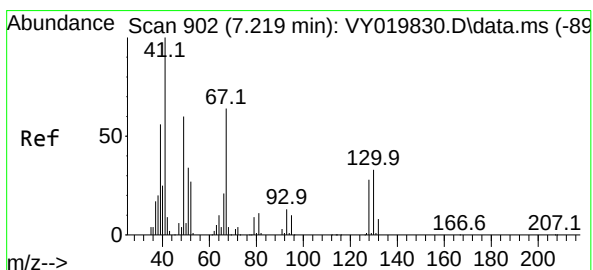
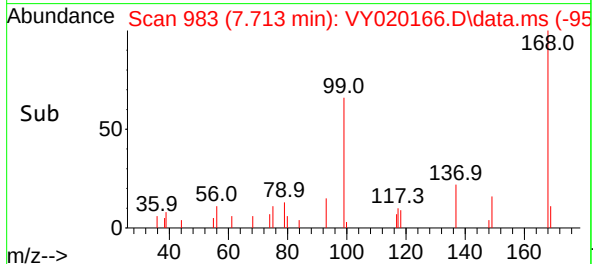
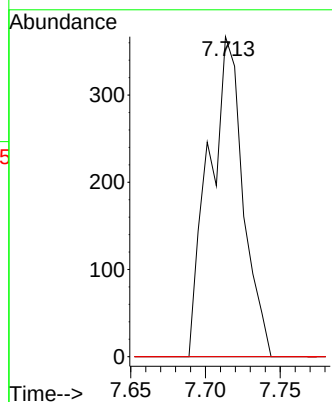
Tgt Ion:117 Resp: 582

Ion	Ratio	Lower	Upper
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117	100		
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119	0.0	75.8	113.6#
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121	0.0	24.0	36.0#
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#41

Methacrylonitrile

Concen: 1.988 ug/l

RT: 7.201 min Scan# 899

Delta R.T. -0.018 min

Lab File: VY020166.D

Acq: 05 Nov 2024 14:55

Tgt Ion: 41 Resp: 44

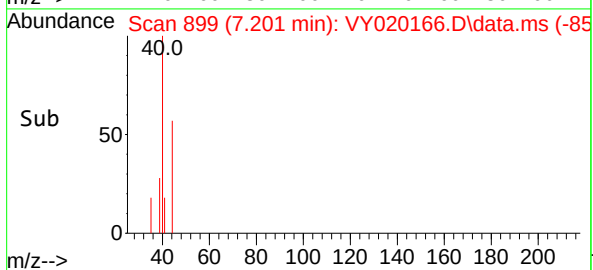
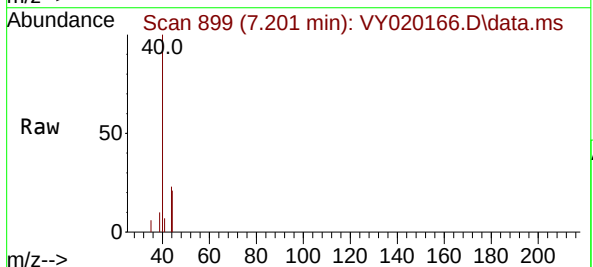
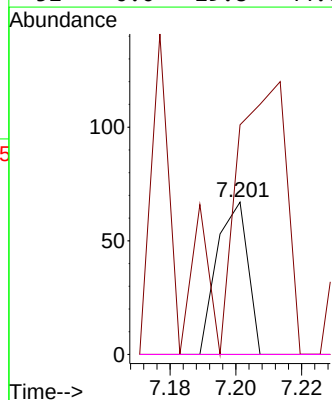
Ion	Ratio	Lower	Upper
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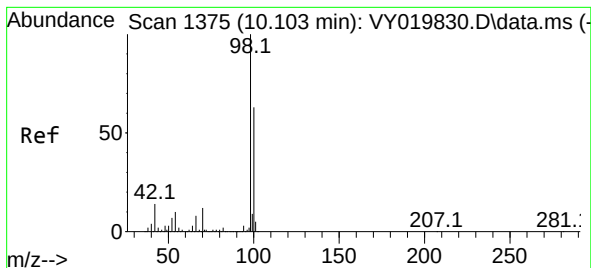
41	100		
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39	275.0	48.0	72.0#
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67	0.0	75.1	112.7#
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52	0.0	29.8	44.6#
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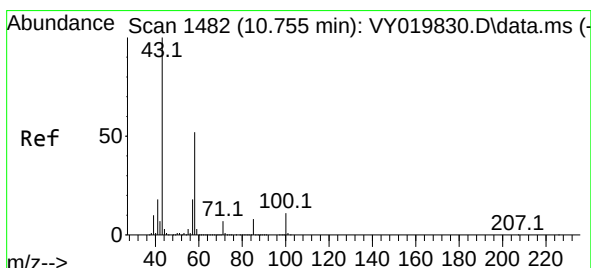
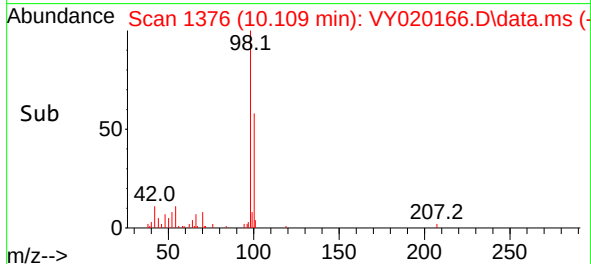
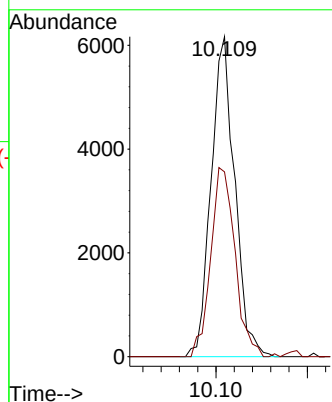
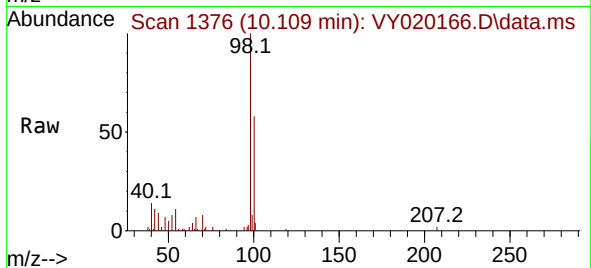




#50
Toluene-d8
Concen: 46.247 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020166.D
Acq: 05 Nov 2024 14:55

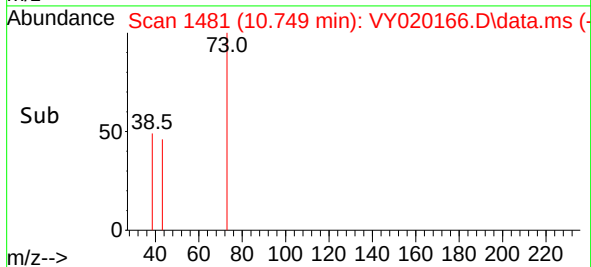
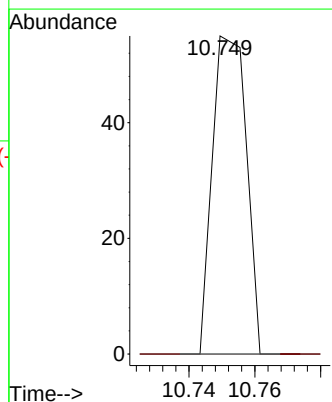
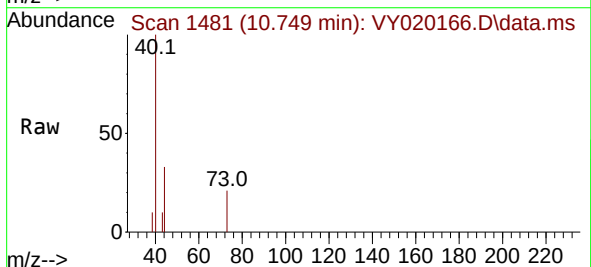
Instrument :
MSVOA_Y
ClientSampleId :

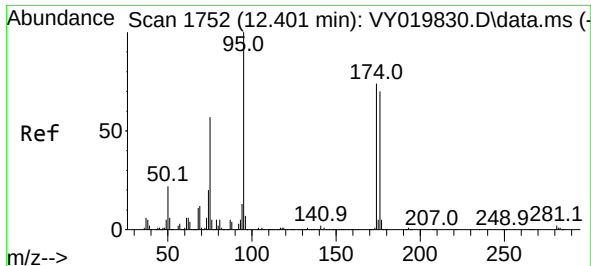
Tgt Ion: 98 Resp: 11044
Ion Ratio Lower Upper
98 100
100 60.8 52.0 78.0



#59
2-Hexanone
Concen: 1.274 ug/l
RT: 10.749 min Scan# 1481
Delta R.T. -0.012 min
Lab File: VY020166.D
Acq: 05 Nov 2024 14:55

Tgt Ion: 43 Resp: 40
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#

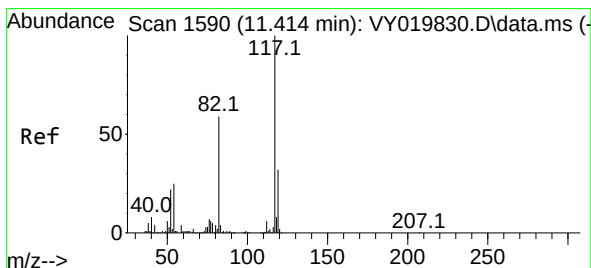
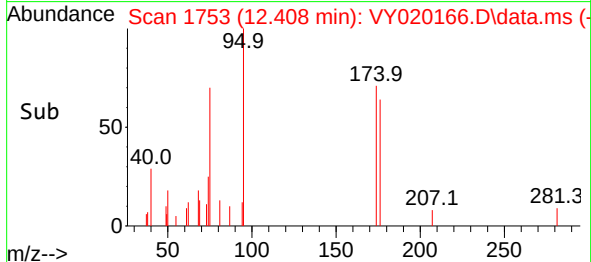
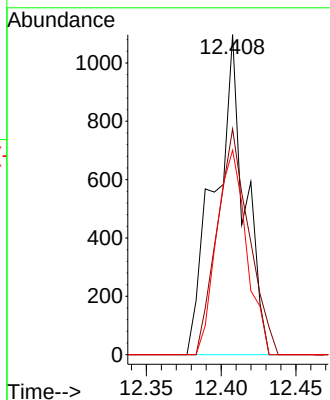
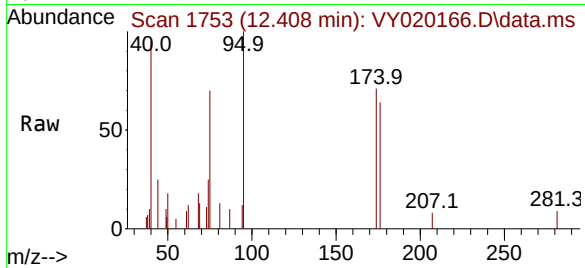




#62
4-Bromofluorobenzene
Concen: 19.841 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020166.D
Acq: 05 Nov 2024 14:55

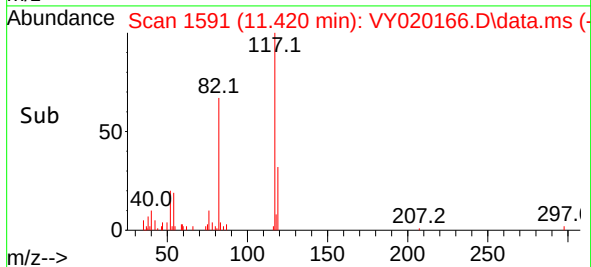
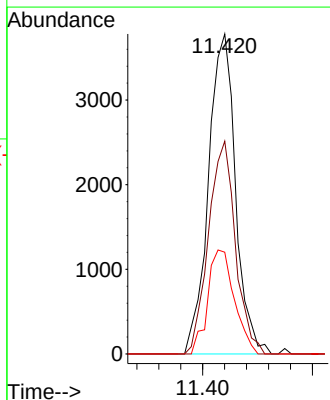
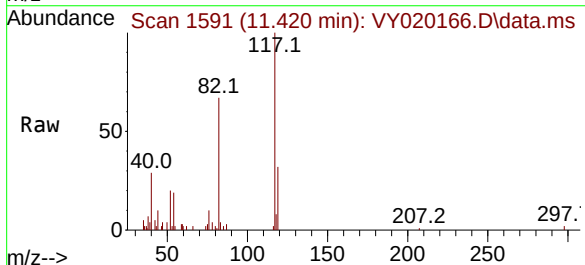
Instrument :
MSVOA_Y
ClientSampleId :

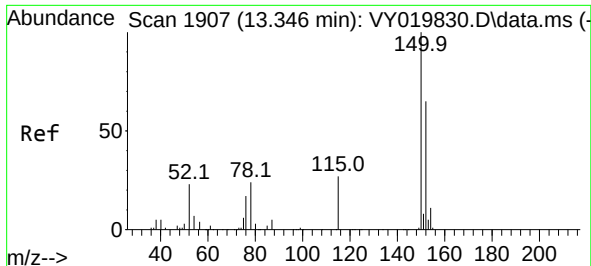
Tgt Ion: 95 Resp: 1539
Ion Ratio Lower Upper
95 100
174 74.3 0.0 175.6
176 63.2 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY020166.D
Acq: 05 Nov 2024 14:55

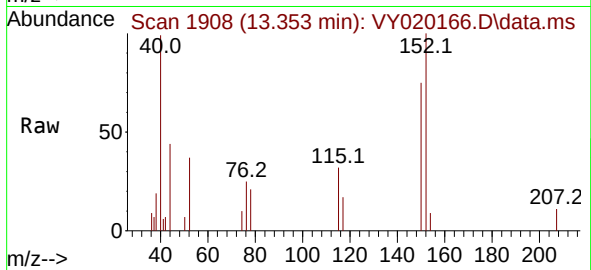
Tgt Ion: 117 Resp: 6489
Ion Ratio Lower Upper
117 100
82 66.5 42.4 63.6#
119 31.8 25.9 38.9



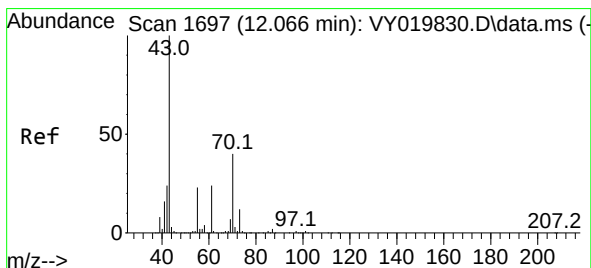
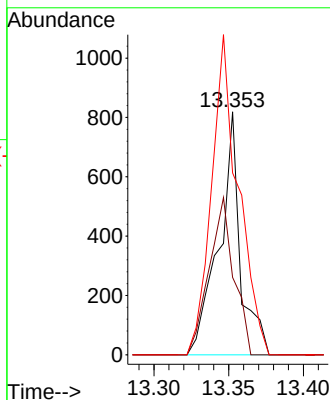
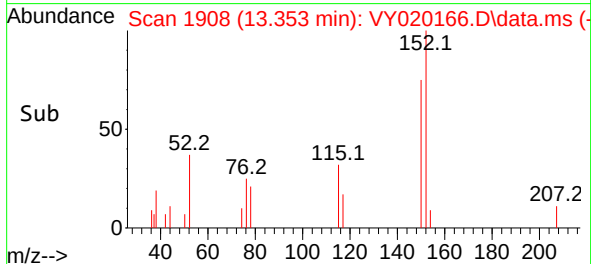


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1908
 Delta R.T. 0.006 min
 Lab File: VY020166.D
 Acq: 05 Nov 2024 14:55

Instrument :
 MSVOA_Y
 ClientSampleId :

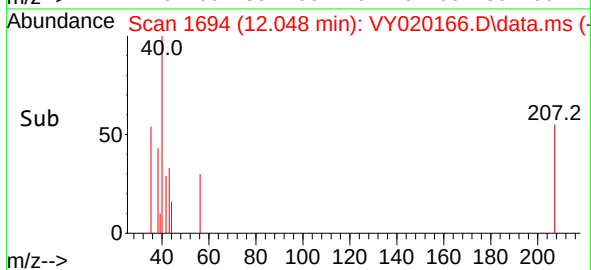
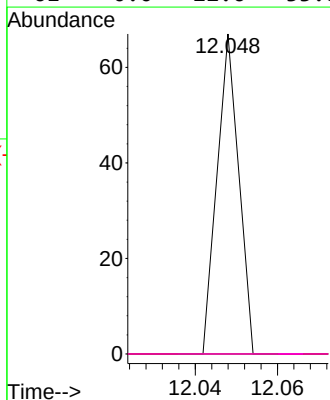
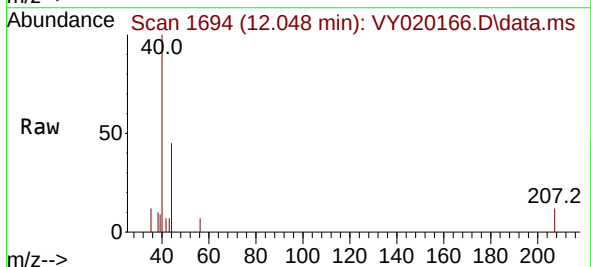


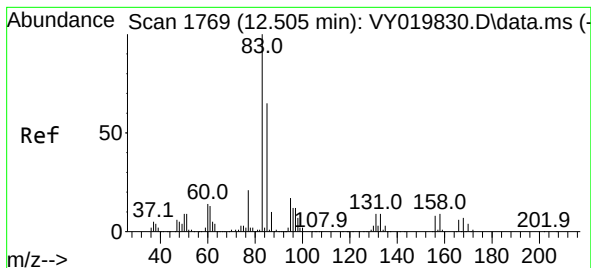
Tgt Ion:152 Resp: 811
 Ion Ratio Lower Upper
 152 100
 115 75.1 28.2 84.7
 150 165.7 0.0 345.6



#74
 N-ethyl acetate
 Concen: 1.544 ug/l
 RT: 12.048 min Scan# 1694
 Delta R.T. -0.024 min
 Lab File: VY020166.D
 Acq: 05 Nov 2024 14:55

Tgt Ion: 43 Resp: 25
 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#





#75

1,1,2,2-Tetrachloroethane

Concen: 3.530 ug/l

RT: 12.530 min Scan# 1753

Delta R.T. 0.019 min

Lab File: VY020166.D

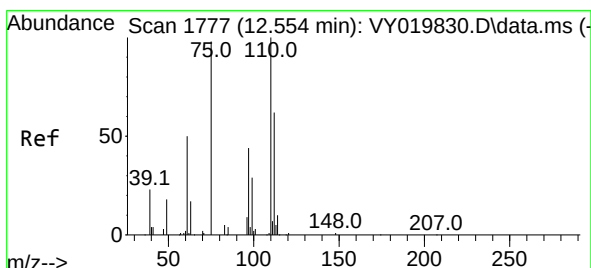
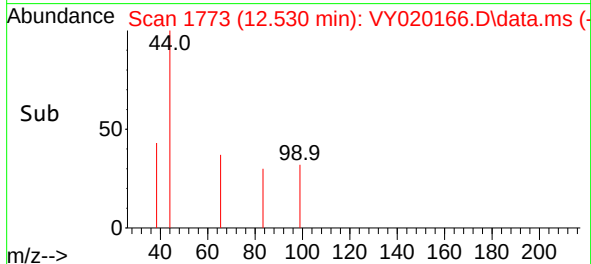
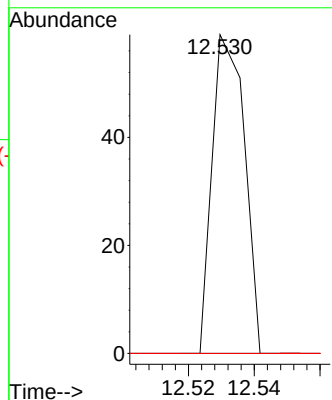
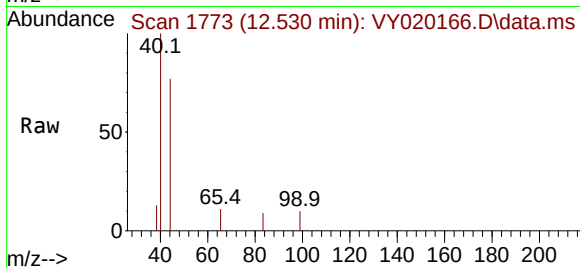
Acq: 05 Nov 2024 14:55

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 83	Resp:	40
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: 147.061 ug/l

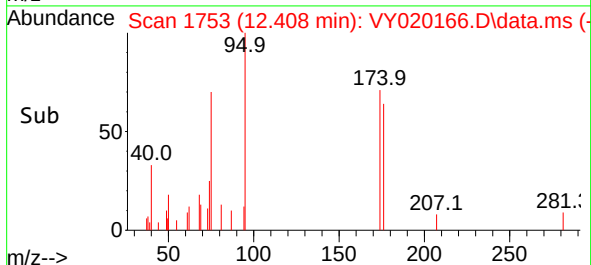
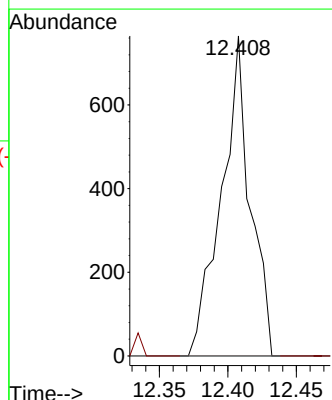
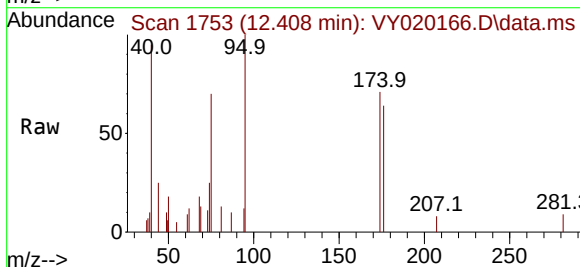
RT: 12.408 min Scan# 1753

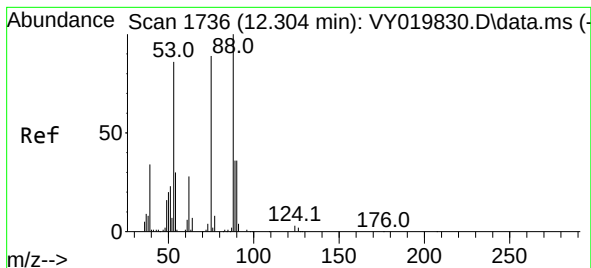
Delta R.T. -0.152 min

Lab File: VY020166.D

Acq: 05 Nov 2024 14:55

Tgt Ion: 75	Resp:	1118
Ion Ratio	Lower	Upper
75	100	
77	0.0	0.0 0.0

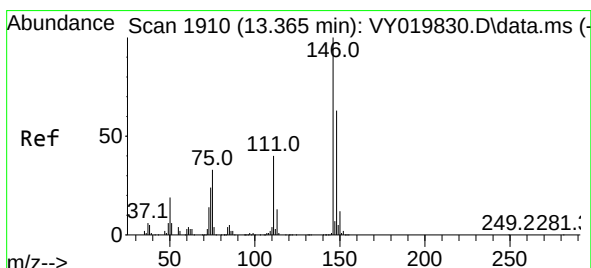
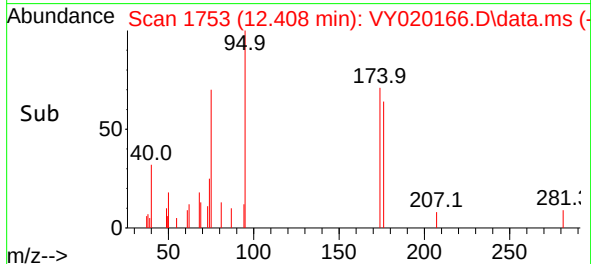
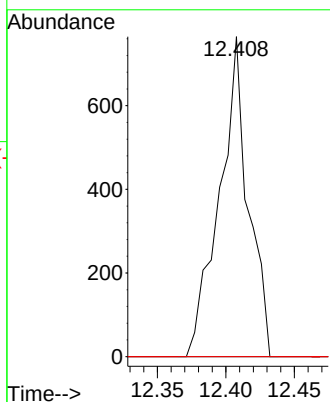
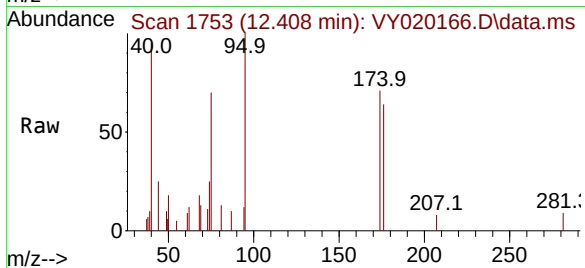




#81
trans-1,4-Dichloro-2-butene
Concen: 316.324 ug/l
RT: 12.408 min Scan# 1118
Delta R.T. 0.104 min
Lab File: VY020166.D
Acq: 05 Nov 2024 14:55

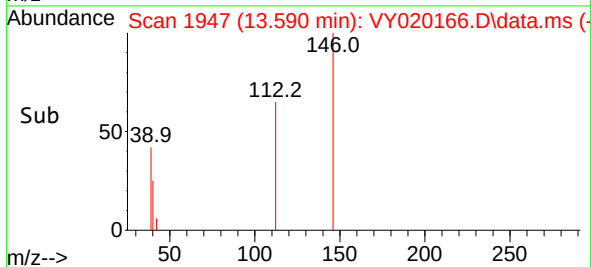
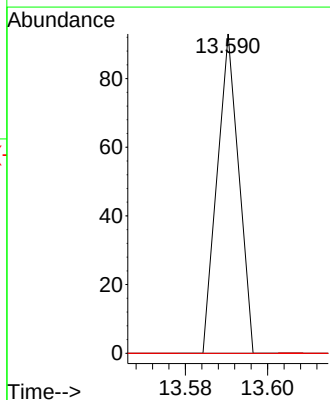
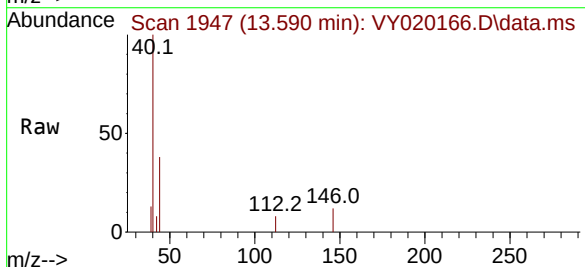
Instrument :
MSVOA_Y
ClientSampleId :

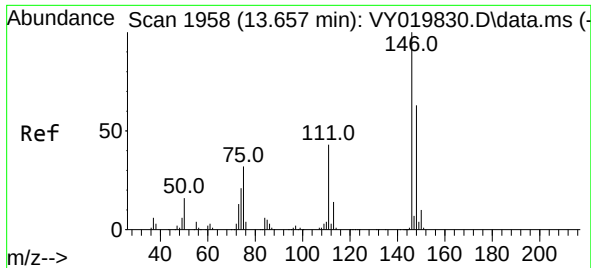
Tgt Ion:	75	Resp:	1118
Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.0	35.8	53.6#



#88
1,4-Dichlorobenzene
Concen: 1.283 ug/l
RT: 13.590 min Scan# 1947
Delta R.T. 0.220 min
Lab File: VY020166.D
Acq: 05 Nov 2024 14:55

Tgt Ion:	146	Resp:	34
Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.4	55.4#
148	0.0	32.4	97.2#





#91

1,2-Dichlorobenzene

Concen: 1.297 ug/l

RT: 13.694 min Scan# 1958

Delta R.T. 0.037 min

Lab File: VY020166.D

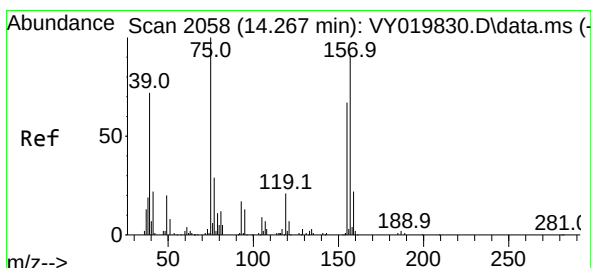
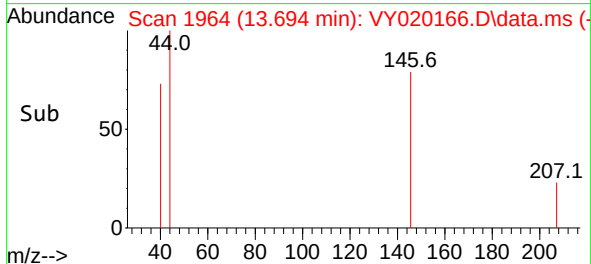
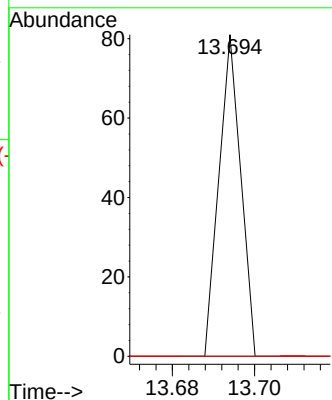
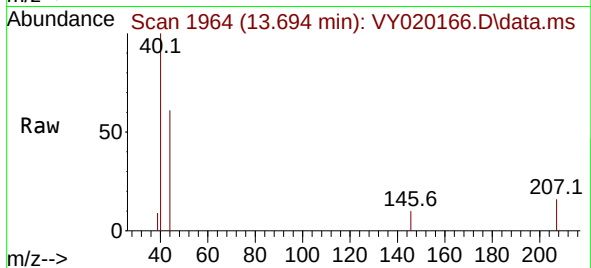
Acq: 05 Nov 2024 14:55

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:146	Resp:	30
Ion Ratio	Lower	Upper
146	100	
111	0.0	19.9 59.7#
148	0.0	31.8 95.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: 32.008 ug/l

RT: 14.334 min Scan# 2069

Delta R.T. 0.061 min

Lab File: VY020166.D

Acq: 05 Nov 2024 14:55

Tgt Ion: 75	Resp:	55
Ion Ratio	Lower	Upper
75	100	
155	0.0	48.6 145.8#
157	0.0	62.7 188.2#

