

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
 Data File : VY020206.D
 Acq On : 07 Nov 2024 14:57
 Operator : SY/MD
 Sample : P4722-11
 Misc : 8.34g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 00:27:30 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)

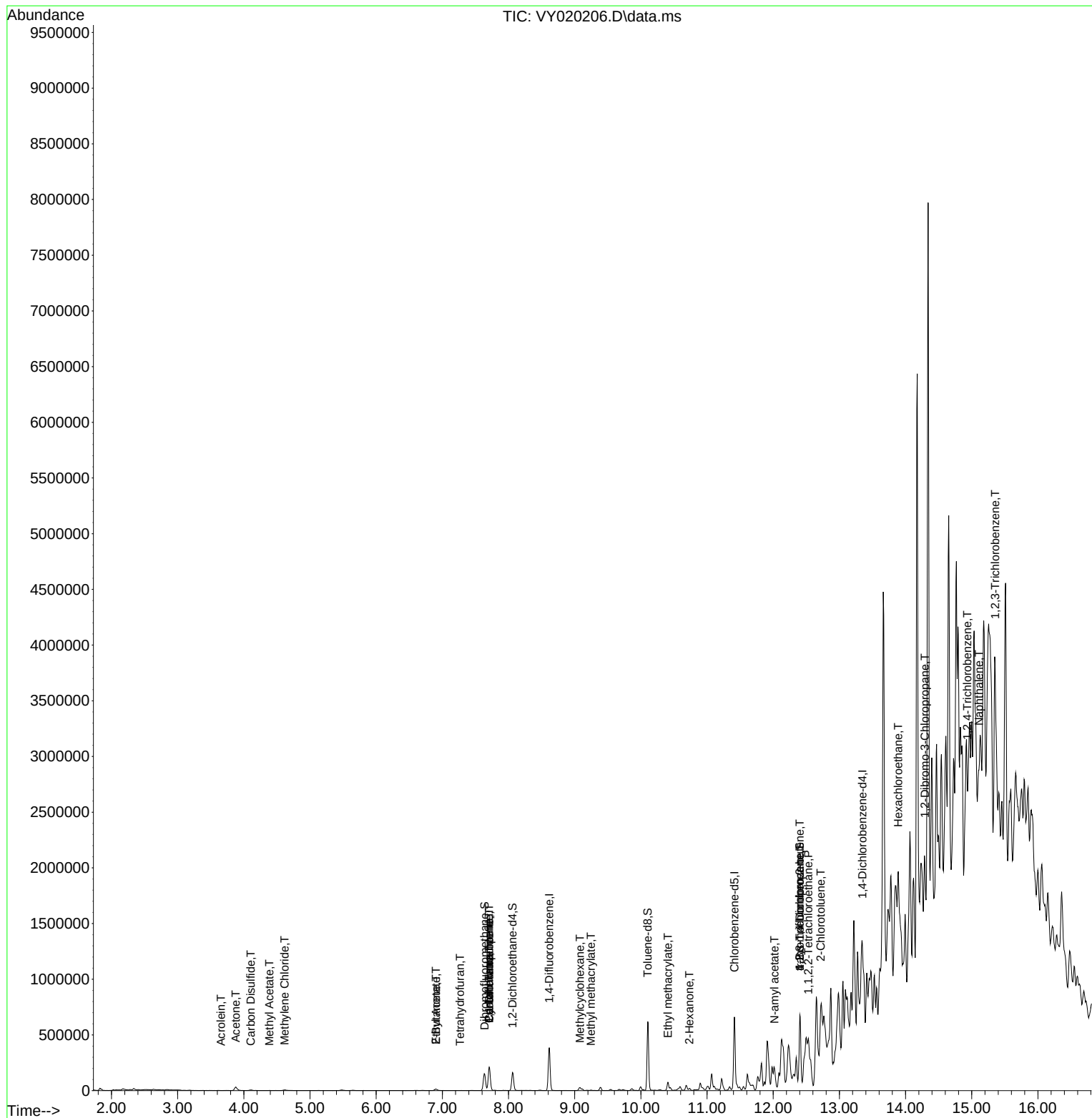
Internal Standards						
1) Pentafluorobenzene	7.707	168	142540	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	298274	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	289563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125008	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	123268	69.291	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 138.580%	
35) Dibromofluoromethane	7.640	113	105518	55.641	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.280%	
50) Toluene-d8	10.103	98	384700	50.963	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.920%	
62) 4-Bromofluorobenzene	12.402	95	148823	60.697	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 121.400%	
Target Compounds						
					Qvalue	
13) Acrolein	3.653	56	274	1.720	ug/l	# 15
16) Acetone	3.879	43	57844	139.817	ug/l	89
17) Carbon Disulfide	4.104	76	10324	2.017	ug/l	# 91
18) Methyl Acetate	4.385	43	1083	1.116	ug/l	# 77
20) Methylene Chloride	4.616	84	3324	1.789	ug/l	91
25) 2-Butanone	6.902	43	22880	40.798	ug/l	# 75
29) Tetrahydrofuran	7.268	42	345	1.066	ug/l	# 26
31) Cyclohexane	7.707	56	5818	1.802	ug/l	# 57
36) 1,1-Dichloropropene	7.707	75	14783	5.046	ug/l	# 49
37) Ethyl Acetate	6.902	43	22880	16.382	ug/l	# 67
38) Carbon Tetrachloride	7.707	117	16406	5.569	ug/l	# 16
39) Methylcyclohexane	9.079	83	5099	1.371	ug/l	# 38
48) Methyl methacrylate	9.244	41	1276	1.026	ug/l	# 7
56) Ethyl methacrylate	10.408	69	20135	10.184	ug/l	# 77
59) 2-Hexanone	10.731	43	6627	6.679	ug/l	# 30
74) N-amyl acetate	12.017	43	24257	9.717	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.530	83	7535	4.314	ug/l	# 56
76) 1,2,3-Trichloropropane	12.402	75	72933	62.239	ug/l	# 100
79) 2-Chlorotoluene	12.719	91	8301	1.203	ug/l	76
81) trans-1,4-Dichloro-2-b...	12.402	75	72933	133.874	ug/l	# 24
90) Hexachloroethane	13.889	117	1722	1.008	ug/l	# 12
92) 1,2-Dibromo-3-Chloropr...	14.291	75	292	1.102	ug/l	# 1
93) 1,2,4-Trichlorobenzene	14.932	180	5968	3.115	ug/l	# 1
95) Naphthalene	15.108	128	21111	5.895	ug/l	# 1
96) 1,2,3-Trichlorobenzene	15.352	180	21341	13.123	ug/l	# 12

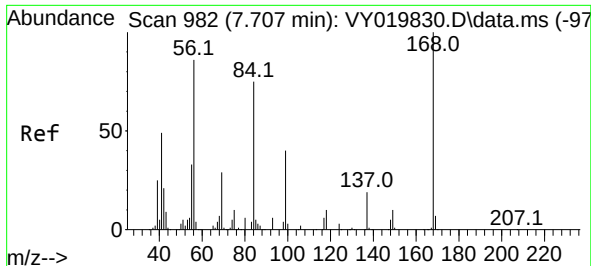
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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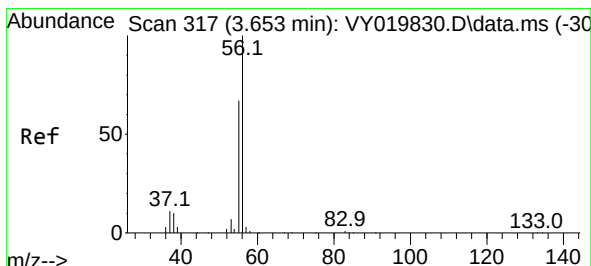
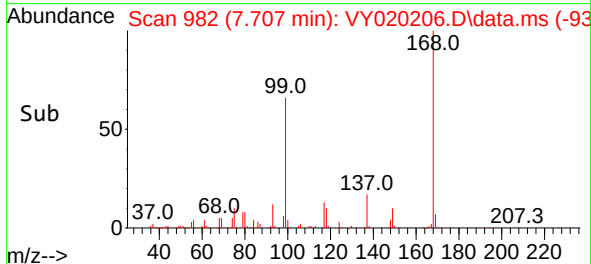
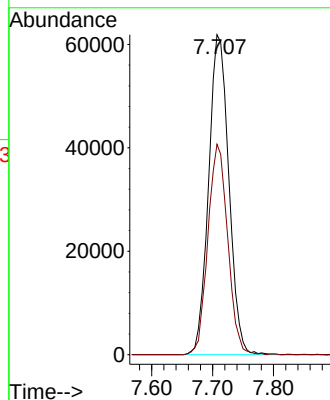
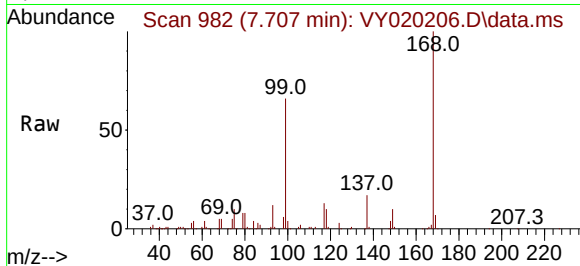




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

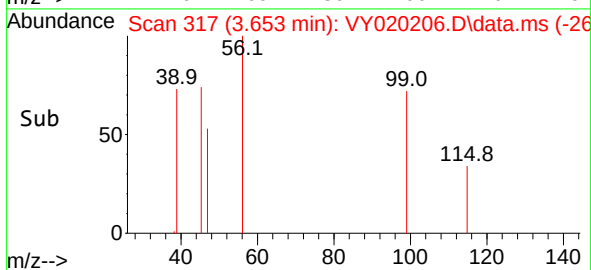
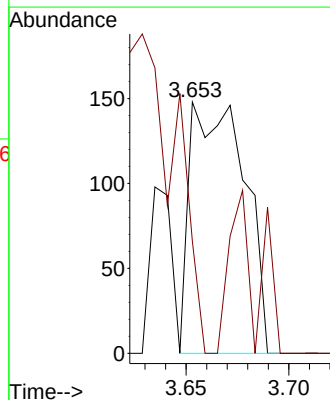
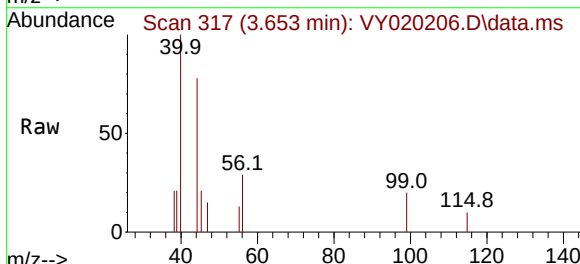
Instrument :
MSVOA_Y
ClientSampleId :

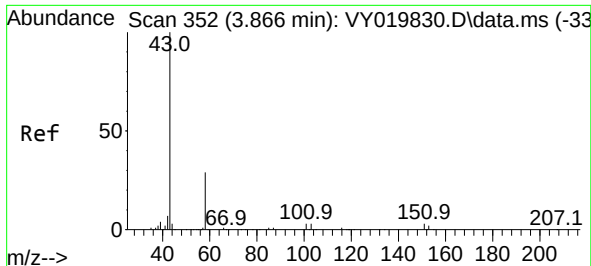
Tgt Ion:168 Resp: 142540
Ion Ratio Lower Upper
168 100
99 65.8 39.1 58.7#



#13
Acrolein
Concen: 1.720 ug/l
RT: 3.653 min Scan# 317
Delta R.T. 0.000 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

Tgt Ion: 56 Resp: 274
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#





#16

Acetone

Concen: 139.817 ug/l

RT: 3.879 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY020206.D

Acq: 07 Nov 2024 14:57

Instrument :

MSVOA_Y

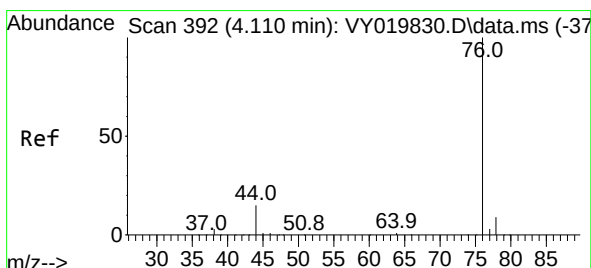
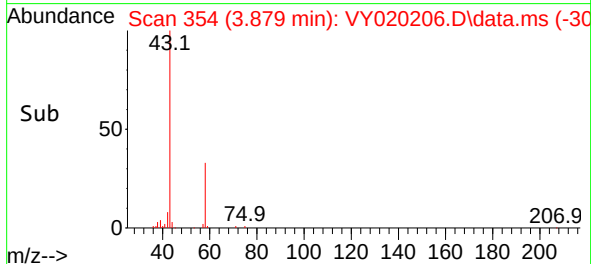
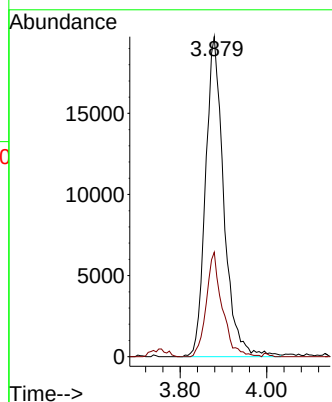
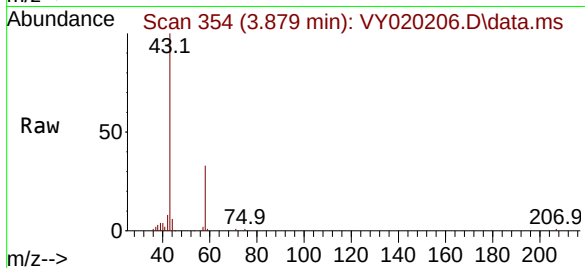
ClientSampleId :

Tgt Ion: 43 Resp: 57844

Ion Ratio Lower Upper

43 100

58 32.6 31.7 47.5



#17

Carbon Disulfide

Concen: 2.017 ug/l

RT: 4.104 min Scan# 391

Delta R.T. 0.000 min

Lab File: VY020206.D

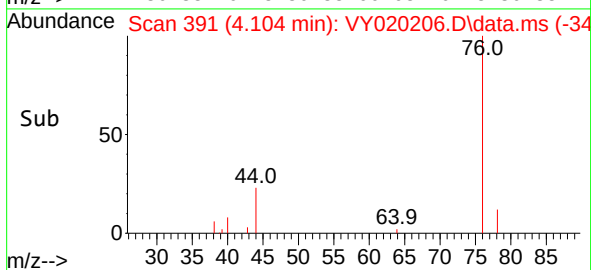
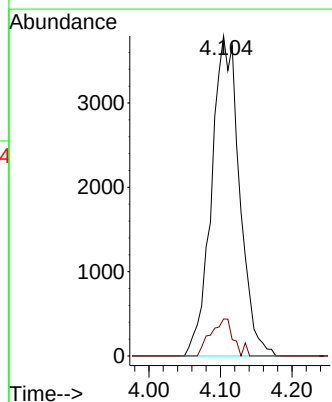
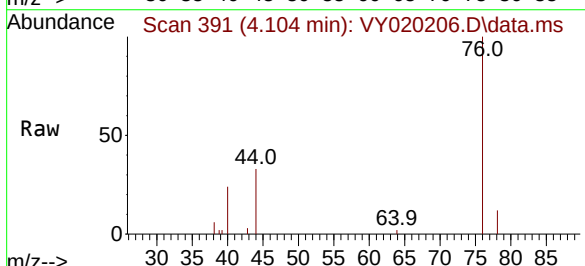
Acq: 07 Nov 2024 14:57

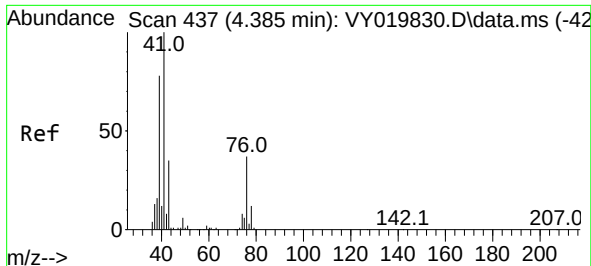
Tgt Ion: 76 Resp: 10324

Ion Ratio Lower Upper

76 100

78 11.5 6.8 10.2#

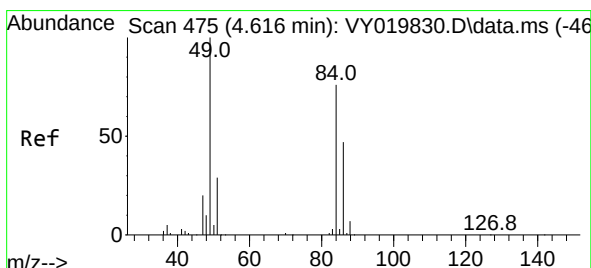
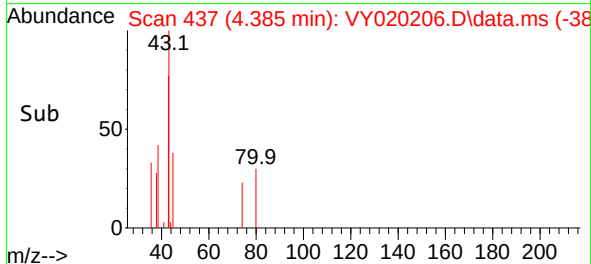
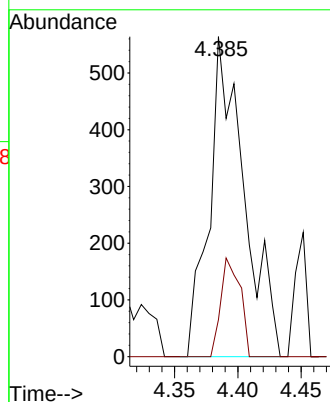
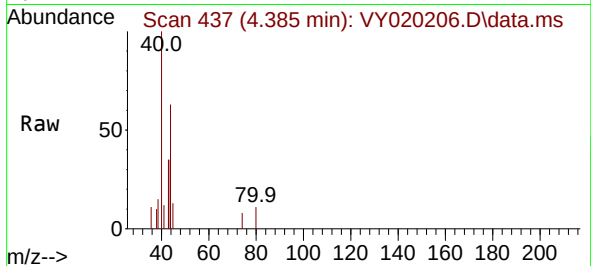




#18
Methyl Acetate
Concen: 1.116 ug/l
RT: 4.385 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

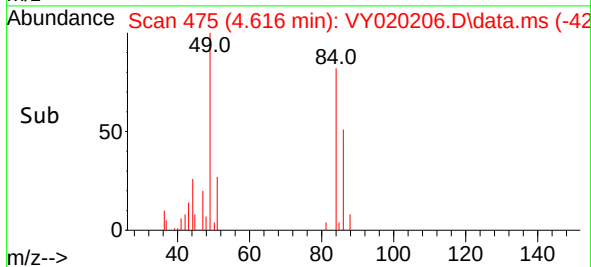
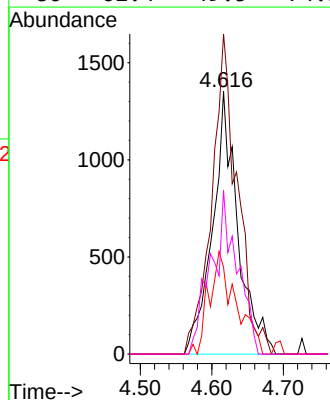
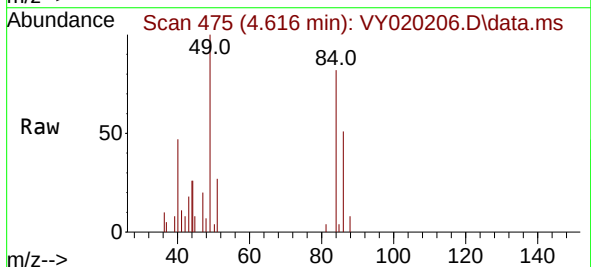
Instrument :
MSVOA_Y
ClientSampleId :

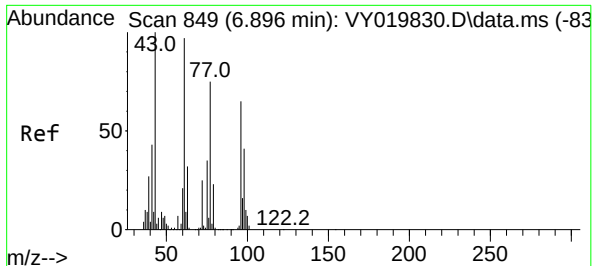
Tgt Ion: 43 Resp: 1083
Ion Ratio Lower Upper
43 100
74 17.0 23.3 34.9#



#20
Methylene Chloride
Concen: 1.789 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

Tgt Ion: 84 Resp: 3324
Ion Ratio Lower Upper
84 100
49 121.9 84.4 126.6
51 33.0 26.0 39.0
86 62.4 49.5 74.3





#25

2-Butanone

Concen: 40.798 ug/l

RT: 6.902 min Scan# 81

Delta R.T. 0.013 min

Lab File: VY020206.D

Acq: 07 Nov 2024 14:57

Instrument :

MSVOA_Y

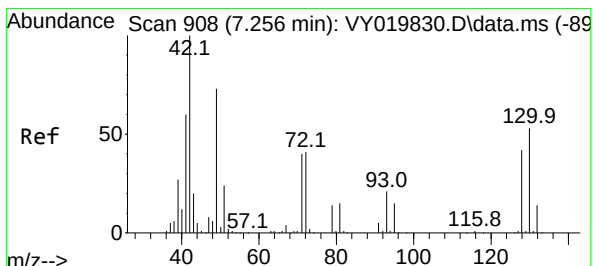
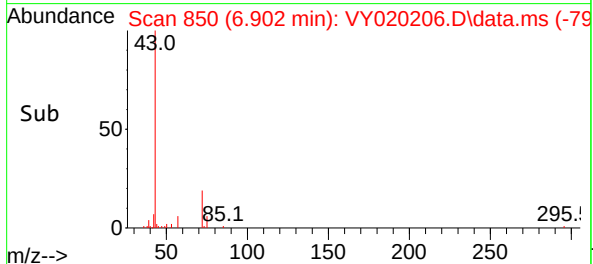
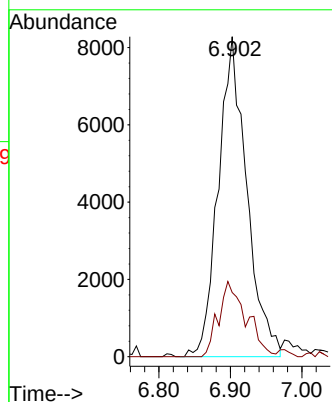
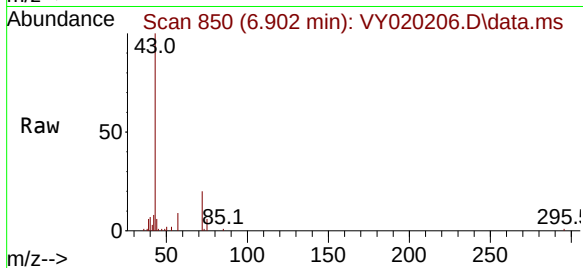
ClientSampleId :

Tgt Ion: 43 Resp: 22880

Ion Ratio Lower Upper

43 100

72 20.0 27.3 40.9#



#29

Tetrahydrofuran

Concen: 1.066 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY020206.D

Acq: 07 Nov 2024 14:57

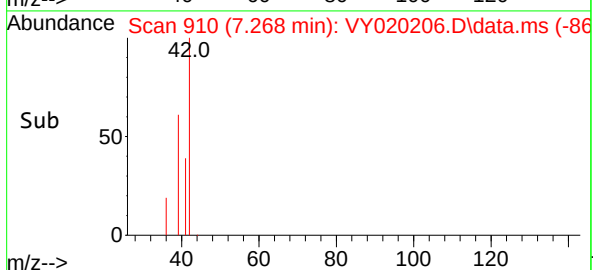
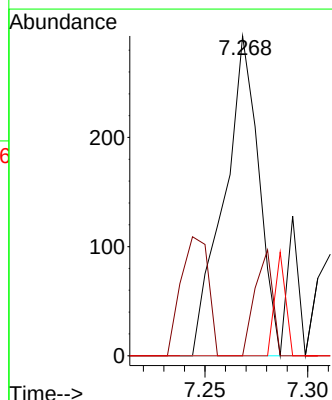
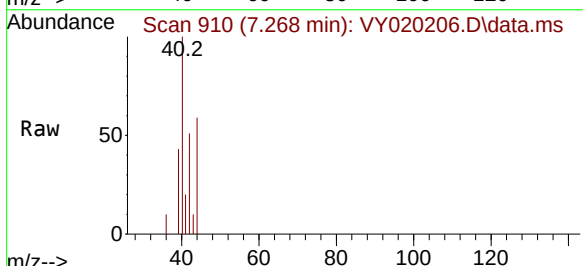
Tgt Ion: 42 Resp: 345

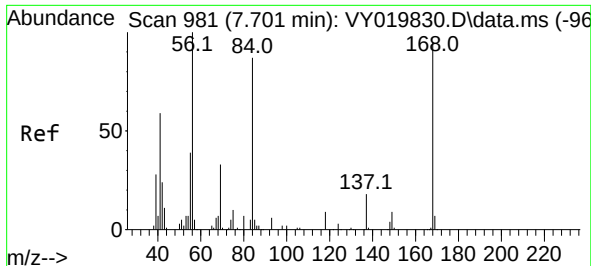
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 0.0 40.8 61.2#

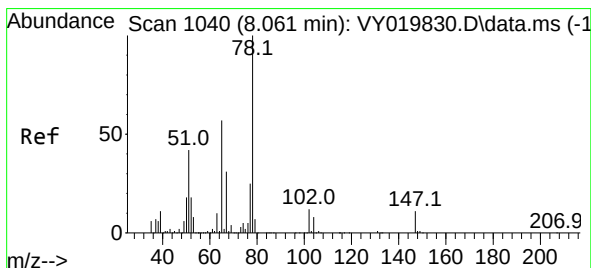
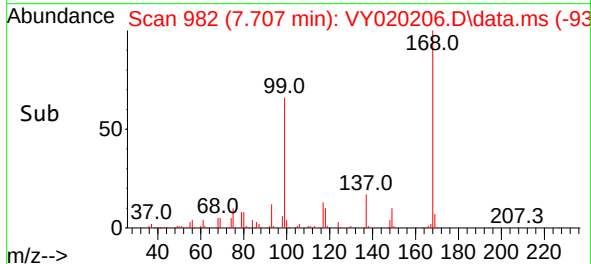
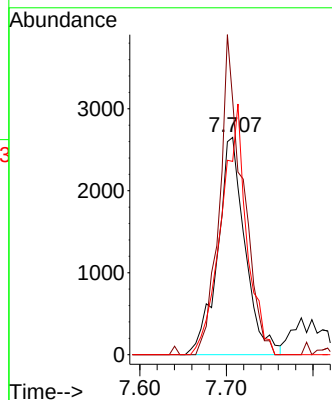
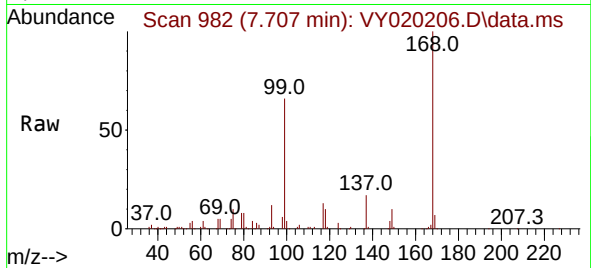




#31
Cyclohexane
Concen: 1.802 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

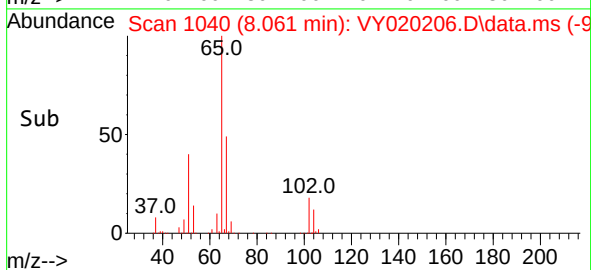
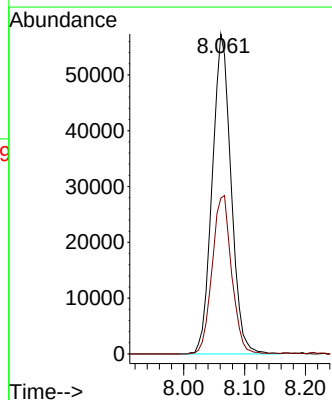
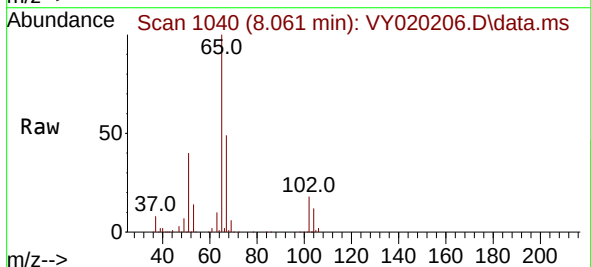
Instrument :
MSVOA_Y
ClientSampleId :

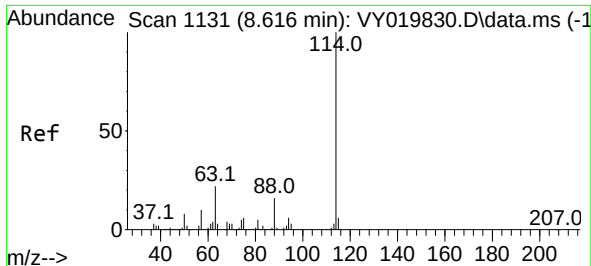
Tgt Ion: 56 Resp: 5818
Ion Ratio Lower Upper
56 100
69 117.1 28.7 43.1#
84 88.9 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 69.291 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

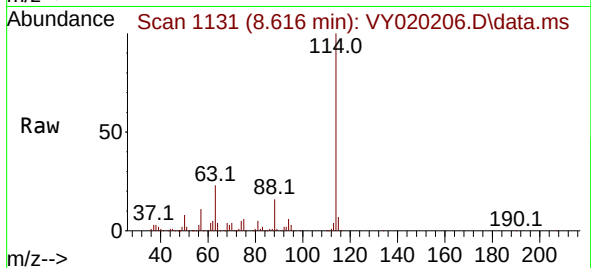
Tgt Ion: 65 Resp: 123268
Ion Ratio Lower Upper
65 100
67 51.2 0.0 109.6



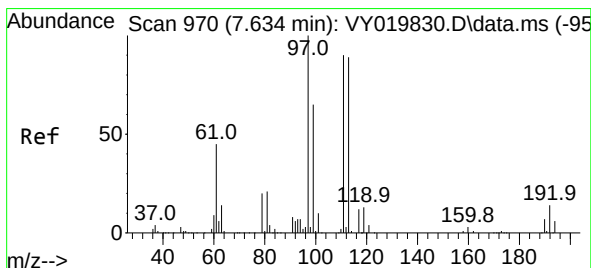
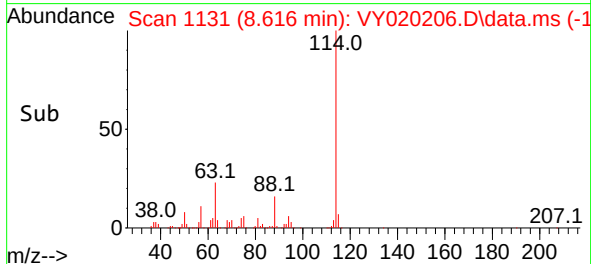
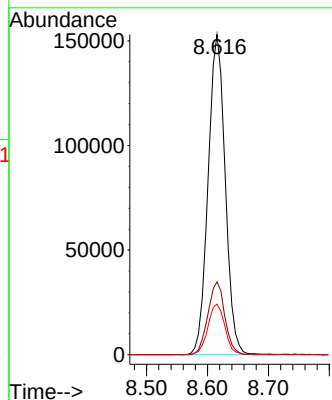


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

Instrument :
MSVOA_Y
ClientSampleId :

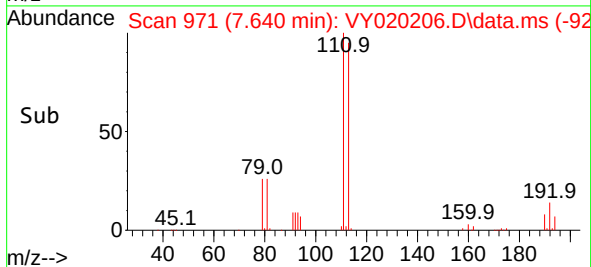
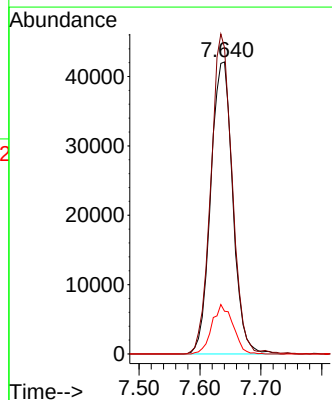
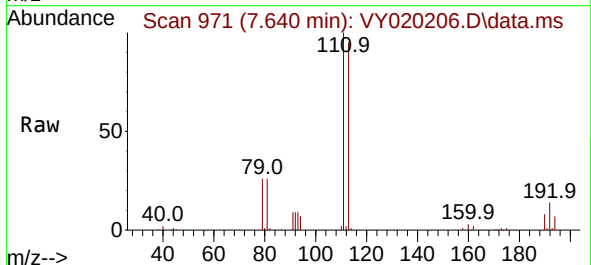


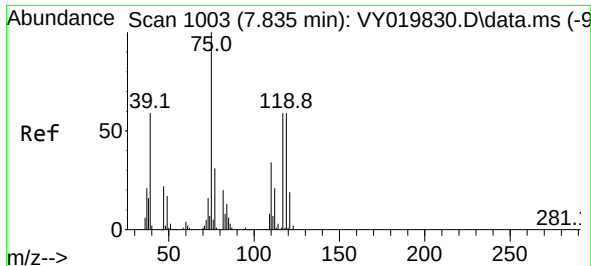
Tgt Ion:114 Resp: 298274
Ion Ratio Lower Upper
114 100
63 22.8 0.0 35.0
88 15.8 0.0 27.2



#35
Dibromofluoromethane
Concen: 55.641 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

Tgt Ion:113 Resp: 105518
Ion Ratio Lower Upper
113 100
111 106.2 82.2 123.4
192 16.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.046 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

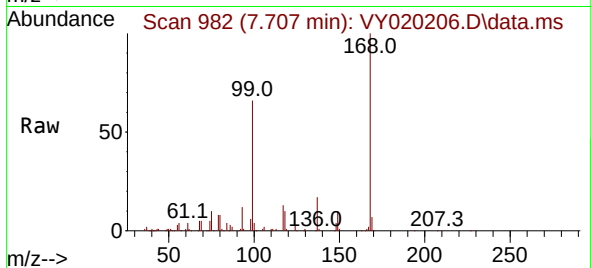
Lab File: VY020206.D

Acq: 07 Nov 2024 14:57

Instrument :

MSVOA_Y

ClientSampleId :



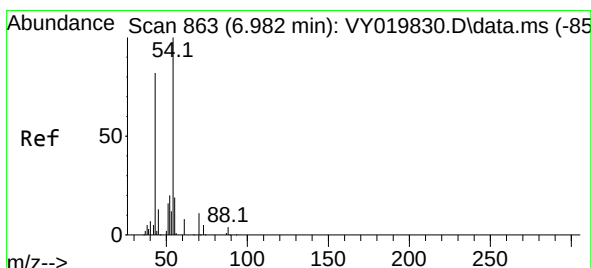
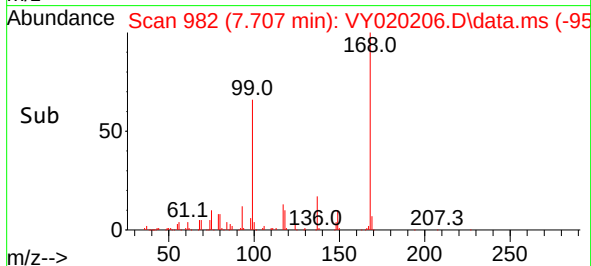
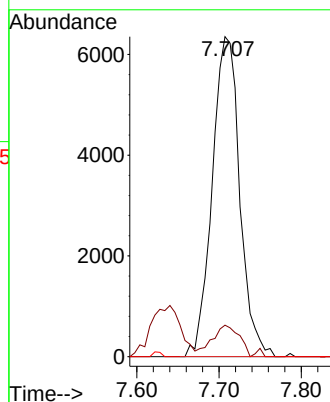
Tgt Ion: 75 Resp: 14783

Ion Ratio Lower Upper

75 100

110 9.8 19.0 57.0#

77 0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: 16.382 ug/l

RT: 6.902 min Scan# 850

Delta R.T. -0.079 min

Lab File: VY020206.D

Acq: 07 Nov 2024 14:57

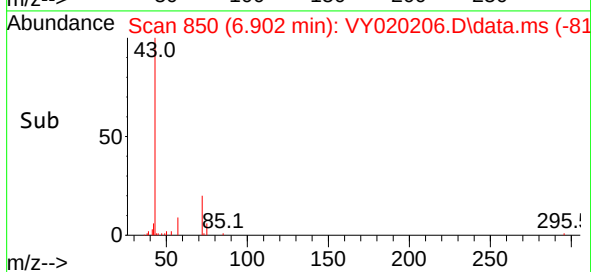
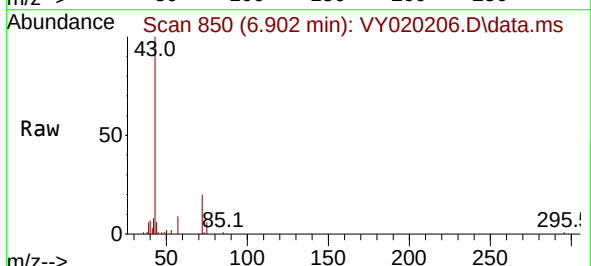
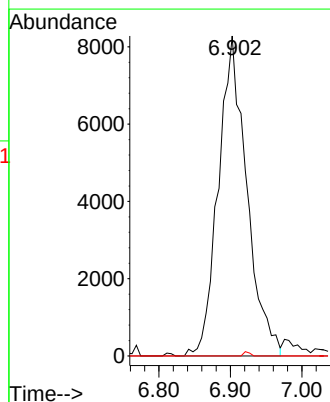
Tgt Ion: 43 Resp: 22880

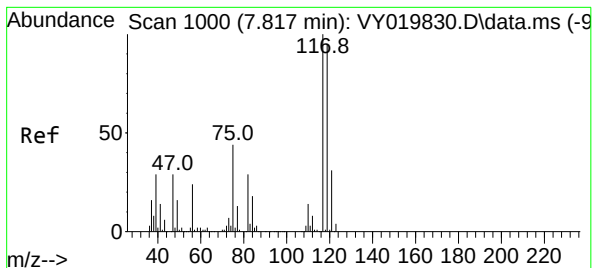
Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

70 0.3 7.8 11.8#





#38

Carbon Tetrachloride

Concen: 5.569 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.109 min

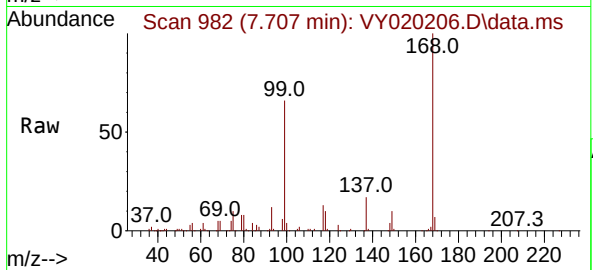
Lab File: VY020206.D

Acq: 07 Nov 2024 14:57

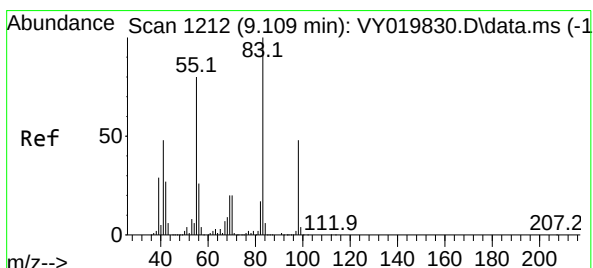
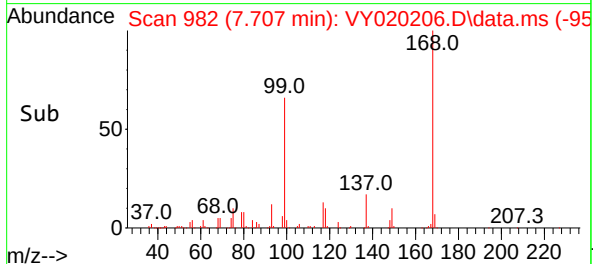
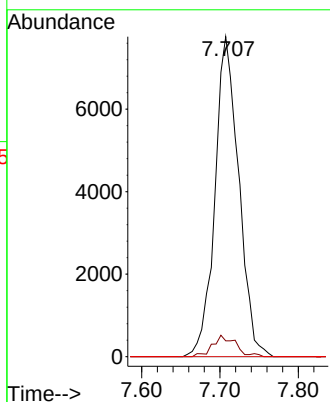
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:117	Resp:	16406
Ion	Ratio	Lower Upper
117	100	
119	4.9	75.8 113.6#
121	0.0	24.0 36.0#



#39

Methylcyclohexane

Concen: 1.371 ug/l

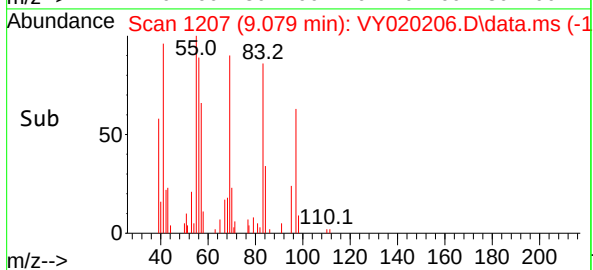
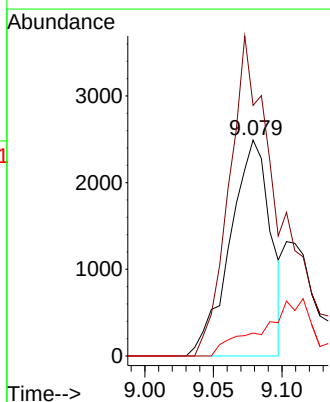
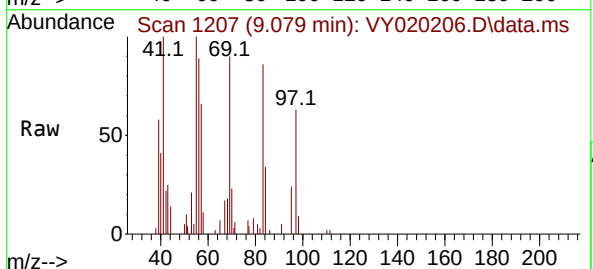
RT: 9.079 min Scan# 1207

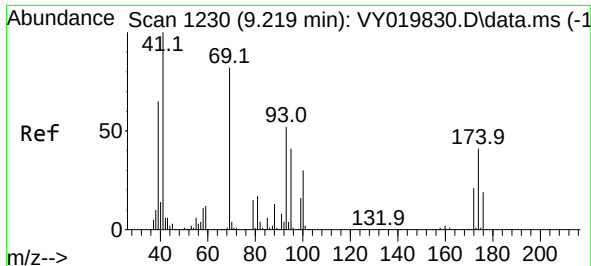
Delta R.T. -0.030 min

Lab File: VY020206.D

Acq: 07 Nov 2024 14:57

Tgt Ion: 83	Resp:	5099
Ion	Ratio	Lower Upper
83	100	
55	116.0	51.5 77.3#
98	10.6	40.5 60.7#

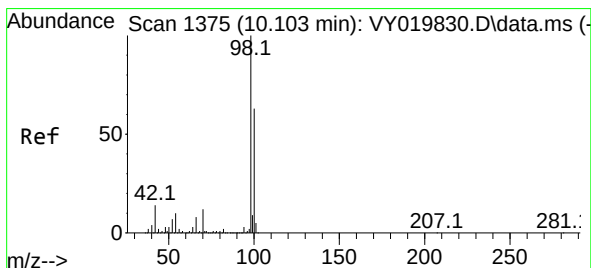
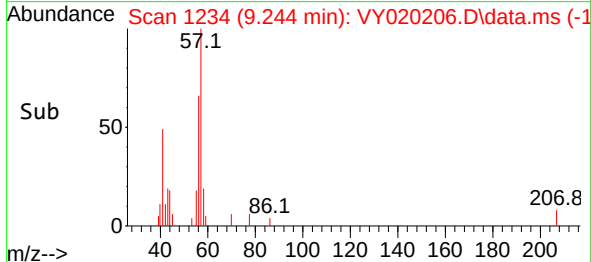
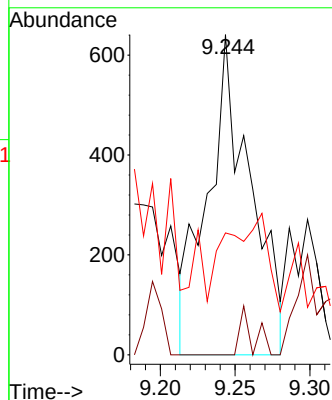
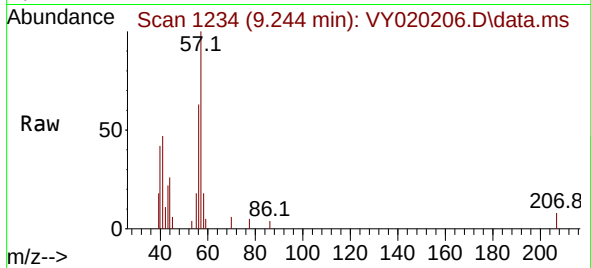




#48
Methyl methacrylate
Concen: 1.026 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

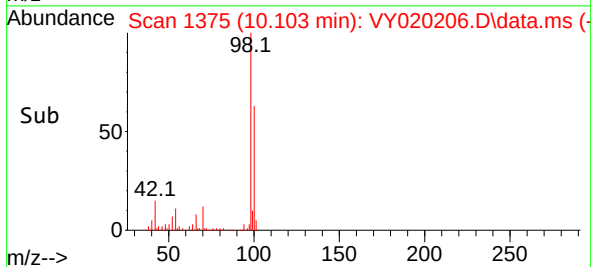
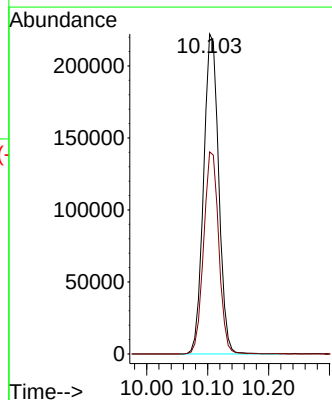
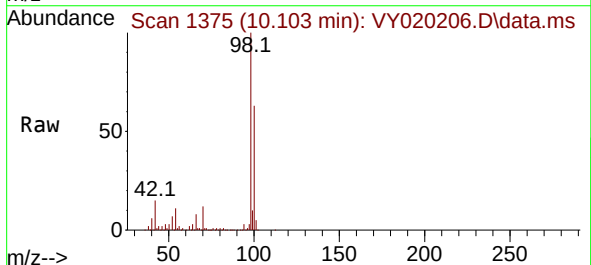
Instrument :
MSVOA_Y
ClientSampleId :

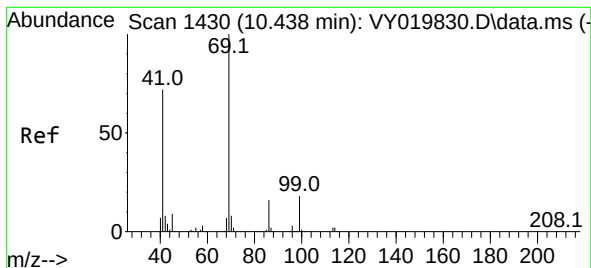
Tgt Ion: 41 Resp: 1276
Ion Ratio Lower Upper
41 100
69 0.0 84.1 126.1#
39 0.0 43.6 65.4#



#50
Toluene-d8
Concen: 50.963 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

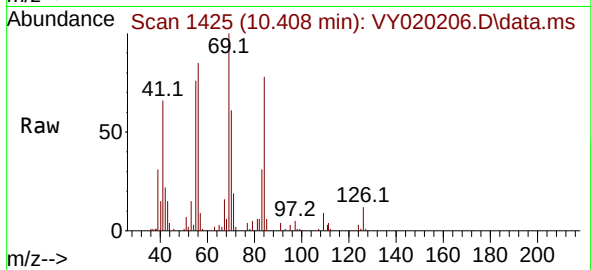
Tgt Ion: 98 Resp: 384700
Ion Ratio Lower Upper
98 100
100 63.0 52.0 78.0



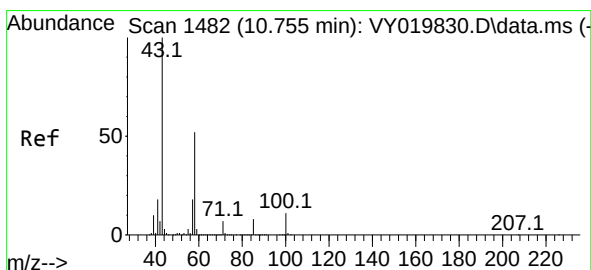
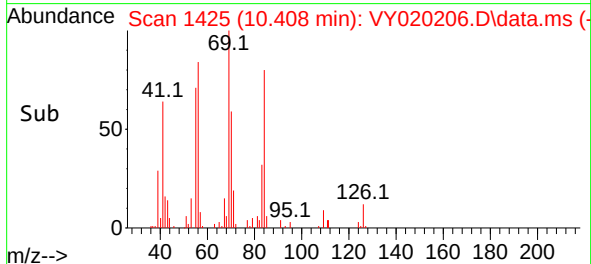
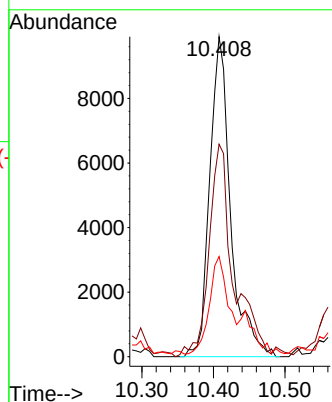


#56
Ethyl methacrylate
Concen: 10.184 ug/l
RT: 10.408 min Scan# 14
Delta R.T. -0.030 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

Instrument :
MSVOA_Y
ClientSampleId :

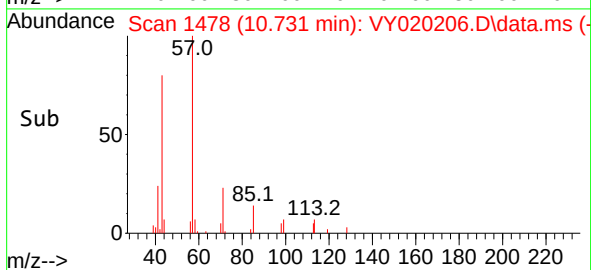
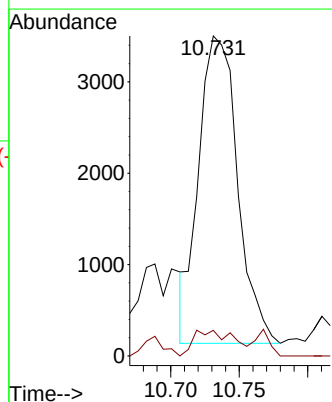
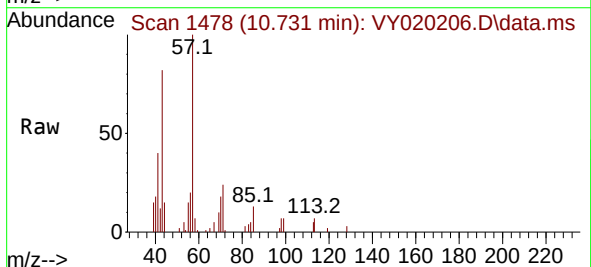


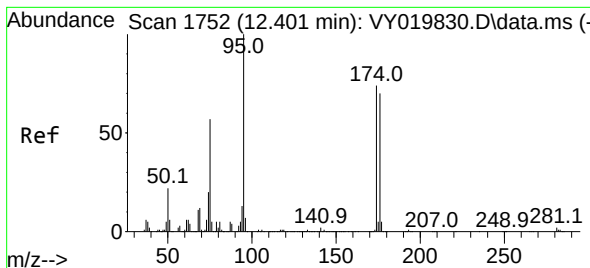
Tgt Ion: 69 Resp: 20135
Ion Ratio Lower Upper
69 100
41 77.3 42.3 63.5#
39 27.6 22.9 34.3



#59
2-Hexanone
Concen: 6.679 ug/l
RT: 10.731 min Scan# 1478
Delta R.T. -0.030 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

Tgt Ion: 43 Resp: 6627
Ion Ratio Lower Upper
43 100
58 8.6 31.4 94.0#





#62

4-Bromofluorobenzene

Concen: 60.697 ug/l

RT: 12.402 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020206.D

Acq: 07 Nov 2024 14:57

Instrument :

MSVOA_Y

ClientSampleId :

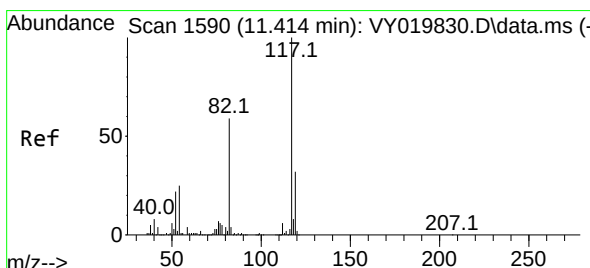
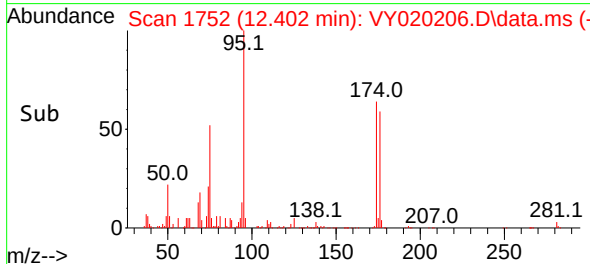
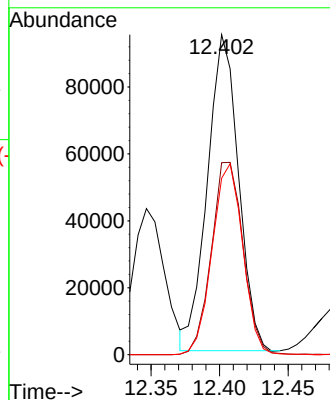
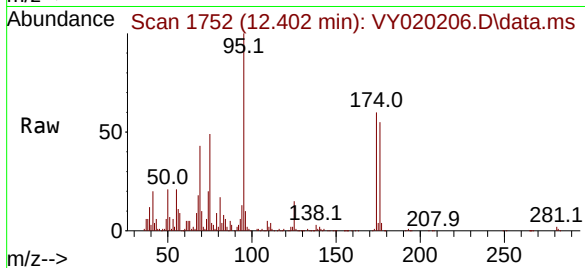
Tgt Ion: 95 Resp: 148823

Ion Ratio Lower Upper

95 100

174 62.4 0.0 175.6

176 59.6 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: VY020206.D

Acq: 07 Nov 2024 14:57

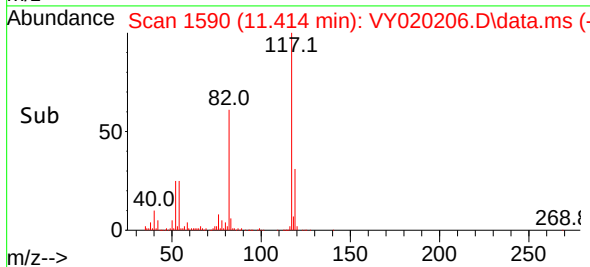
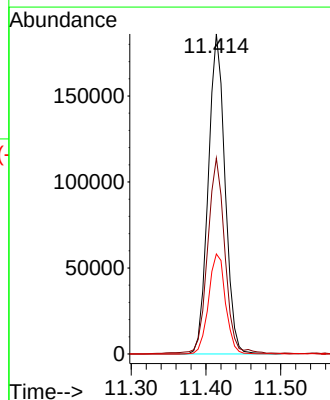
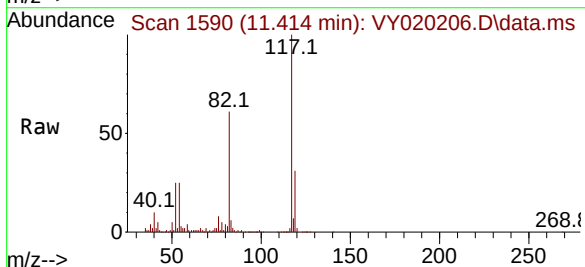
Tgt Ion: 117 Resp: 289563

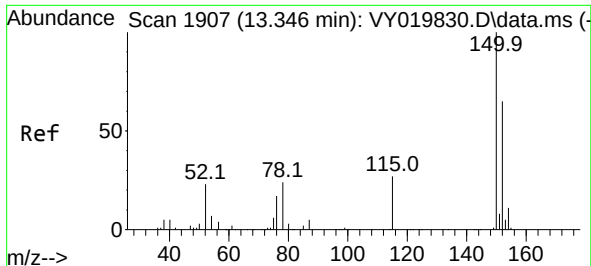
Ion Ratio Lower Upper

117 100

82 61.0 42.4 63.6

119 31.2 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020206.D

Acq: 07 Nov 2024 14:57

Instrument :

MSVOA_Y

ClientSampleId :

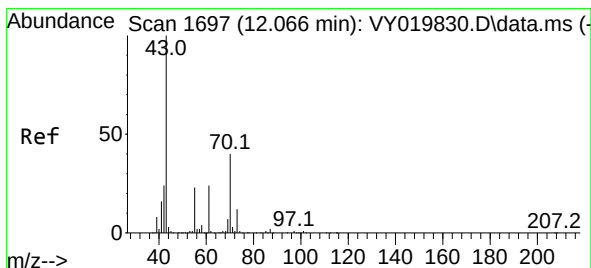
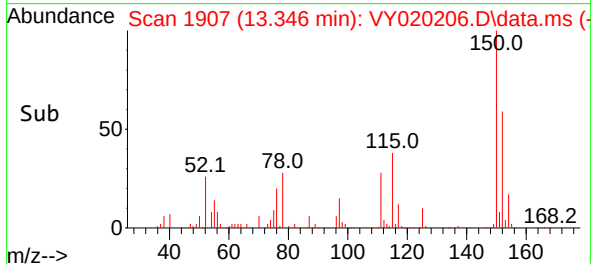
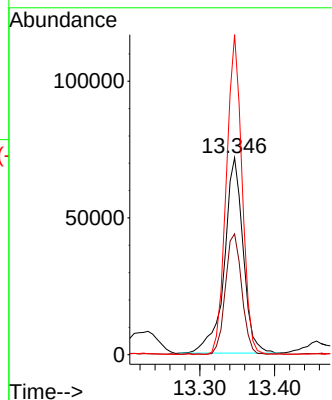
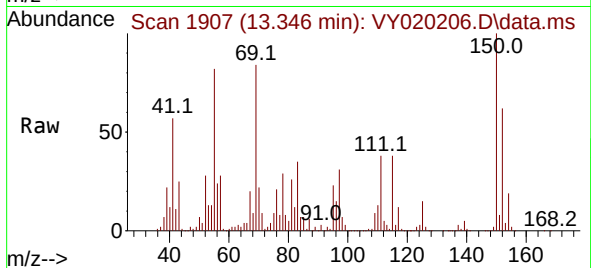
Tgt Ion:152 Resp: 125008

Ion Ratio Lower Upper

152 100

115 53.5 28.2 84.7

150 137.6 0.0 345.6



#74

N-ethyl acetate

Concen: 9.717 ug/l

RT: 12.017 min Scan# 1689

Delta R.T. -0.055 min

Lab File: VY020206.D

Acq: 07 Nov 2024 14:57

Tgt Ion: 43 Resp: 24257

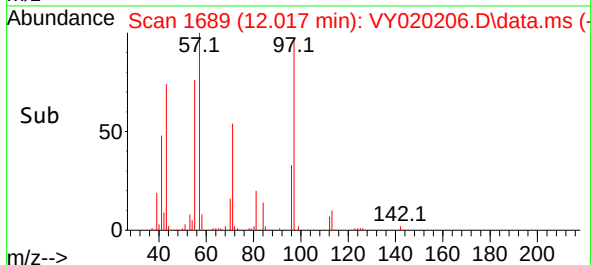
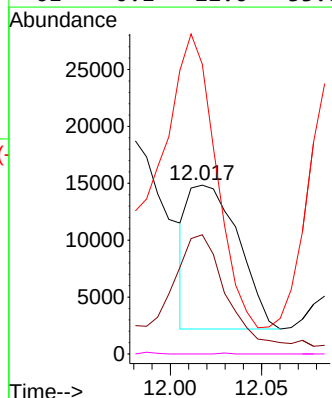
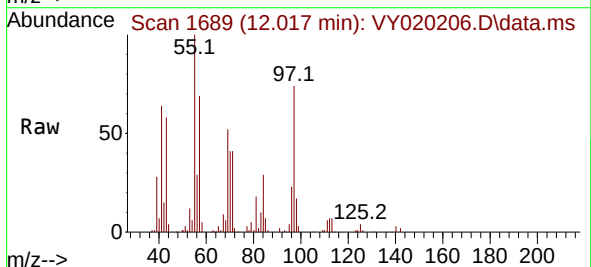
Ion Ratio Lower Upper

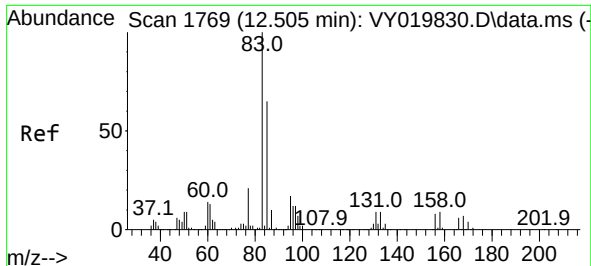
43 100

70 86.4 41.4 62.2#

55 248.5 23.3 34.9#

61 0.1 22.6 33.8#

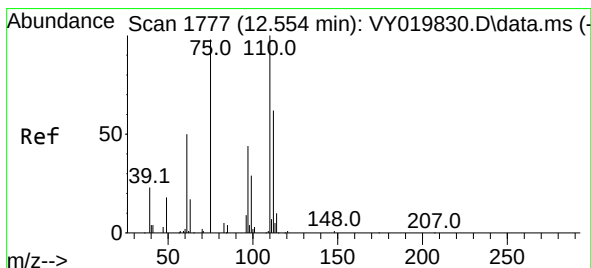
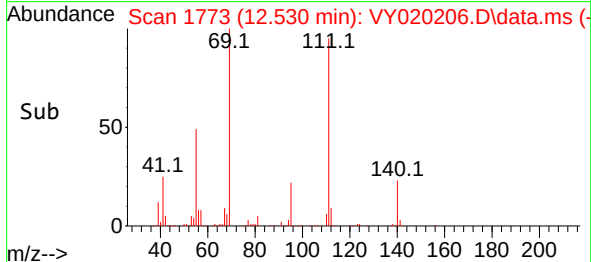
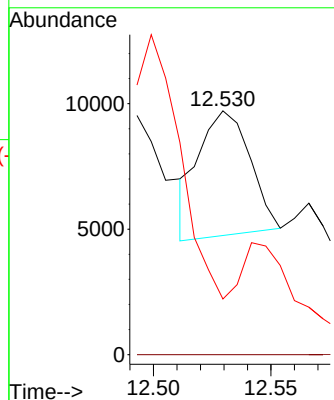
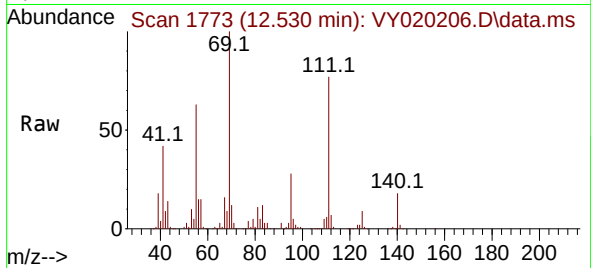




#75
 1,1,2-Tetrachloroethane
 Concen: 4.314 ug/l
 RT: 12.530 min Scan# 1773
 Delta R.T. 0.019 min
 Lab File: VY020206.D
 Acq: 07 Nov 2024 14:57

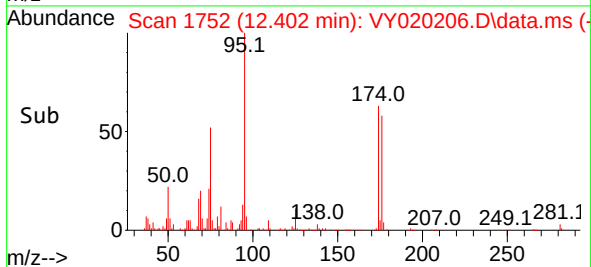
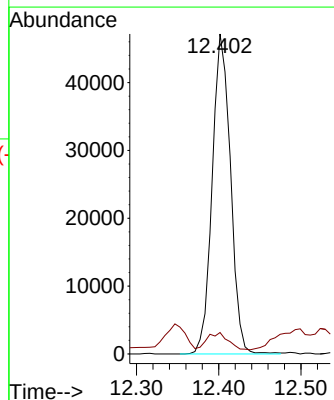
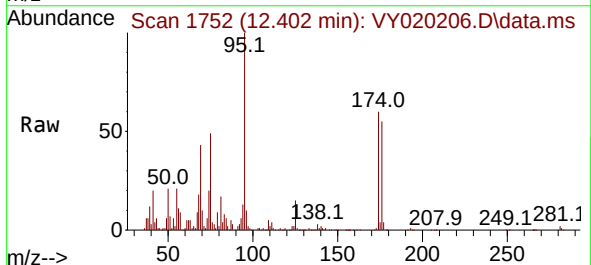
Instrument :
 MSVOA_Y
 ClientSampleId :

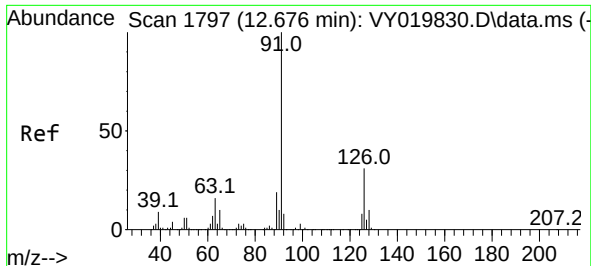
Tgt Ion: 83 Resp: 7535
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 14.9#
 85 100.1 32.0 96.0#



#76
 1,2,3-Trichloropropane
 Concen: 62.239 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.158 min
 Lab File: VY020206.D
 Acq: 07 Nov 2024 14:57

Tgt Ion: 75 Resp: 72933
 Ion Ratio Lower Upper
 75 100
 77 6.1 0.0 0.0#

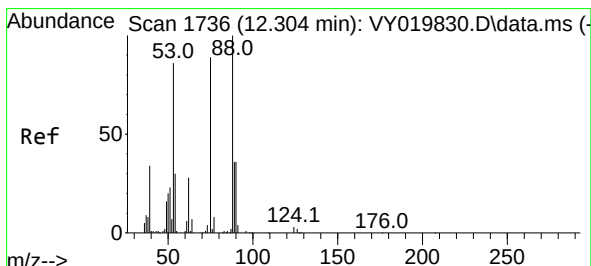
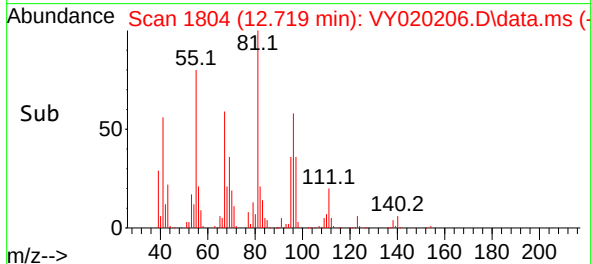
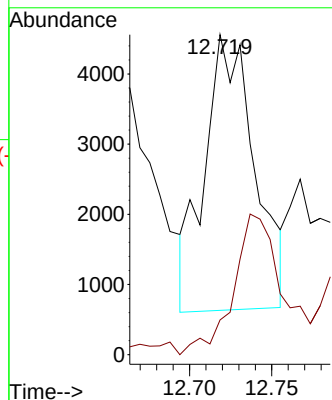
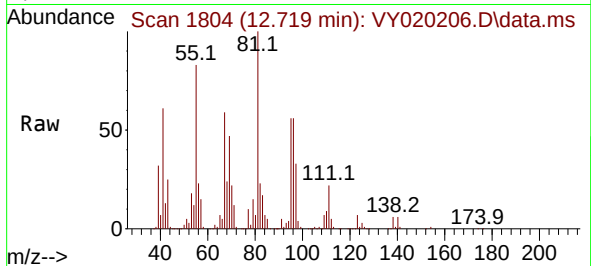




#79
2-Chlorotoluene
Concen: 1.203 ug/l
RT: 12.719 min Scan# 1752
Delta R.T. 0.037 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

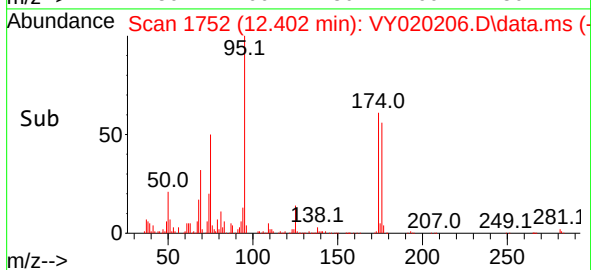
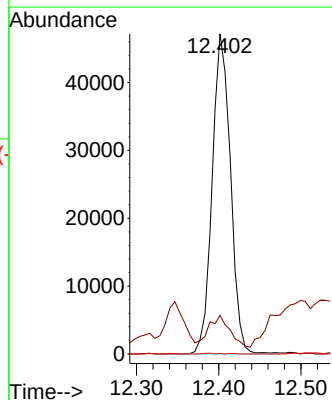
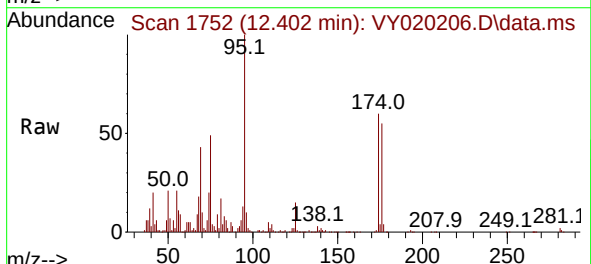
Instrument :
MSVOA_Y
ClientSampleId :

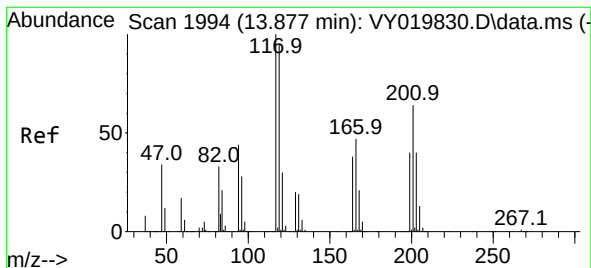
Tgt Ion: 91 Resp: 8301
Ion Ratio Lower Upper
91 100
126 49.5 17.8 53.5



#81
trans-1,4-Dichloro-2-butene
Concen: 133.874 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY020206.D
Acq: 07 Nov 2024 14:57

Tgt Ion: 75 Resp: 72933
Ion Ratio Lower Upper
75 100
53 11.4 66.8 100.2#
89 0.1 35.8 53.6#





#90

Hexachloroethane

Concen: 1.008 ug/l

RT: 13.889 min Scan# 1996

Delta R.T. 0.006 min

Lab File: VY020206.D

Acq: 07 Nov 2024 14:57

Instrument :

MSVOA_Y

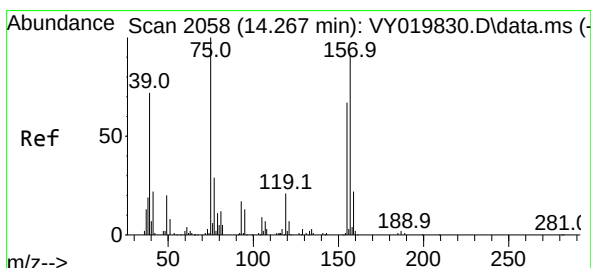
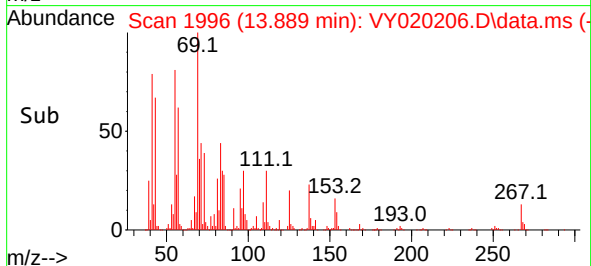
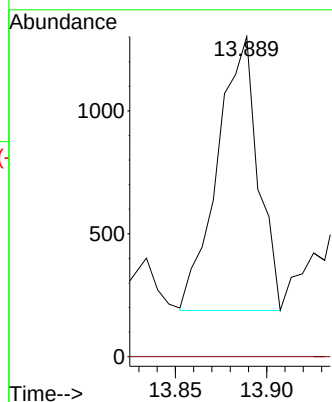
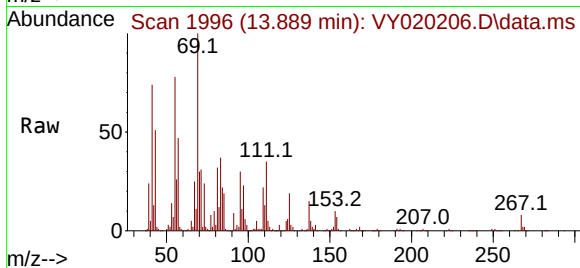
ClientSampleId :

Tgt Ion:117 Resp: 1722

Ion Ratio Lower Upper

117 100

201 0.0 37.4 112.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.102 ug/l

RT: 14.291 min Scan# 2062

Delta R.T. 0.019 min

Lab File: VY020206.D

Acq: 07 Nov 2024 14:57

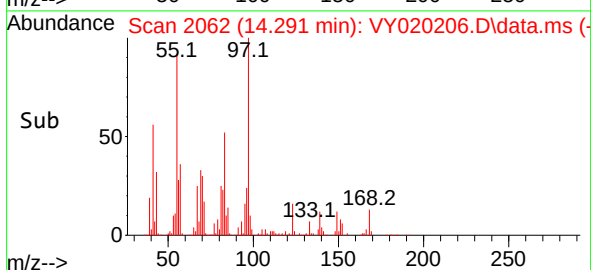
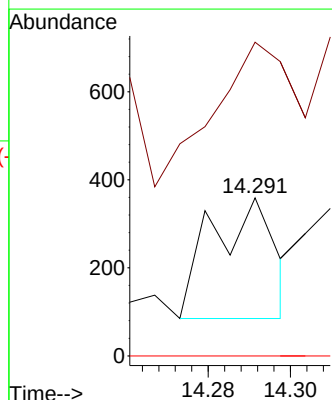
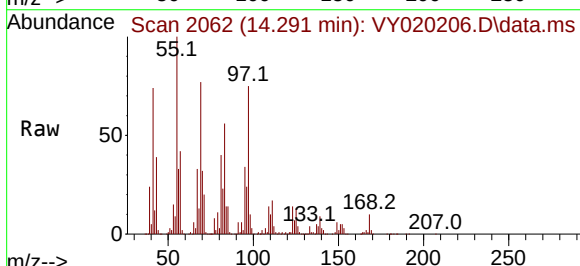
Tgt Ion: 75 Resp: 292

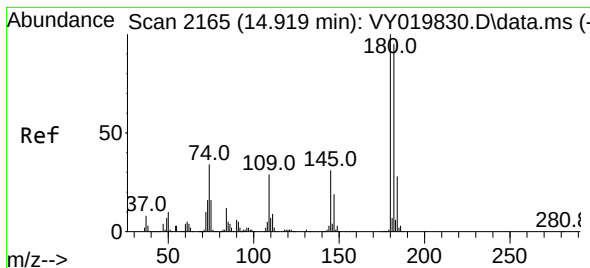
Ion Ratio Lower Upper

75 100

155 0.0 48.6 145.8#

157 0.0 62.7 188.2#





#93

1,2,4-Trichlorobenzene

Concen: 3.115 ug/l

RT: 14.932 min Scan# 2167

Delta R.T. 0.013 min

Lab File: VY020206.D

Acq: 07 Nov 2024 14:57

Instrument :

MSVOA_Y

ClientSampleId :

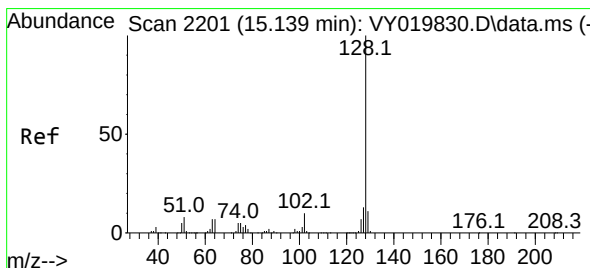
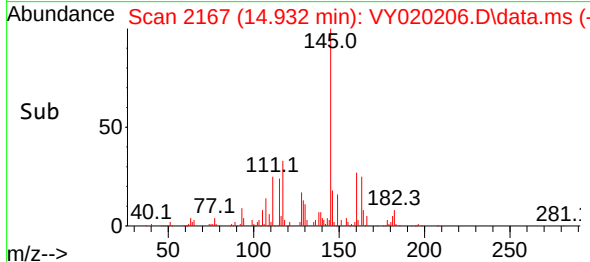
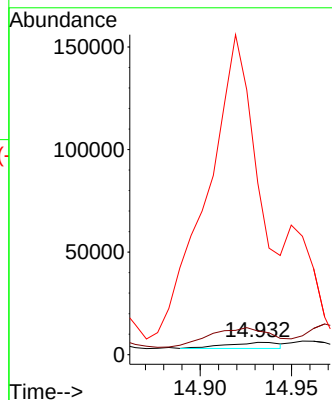
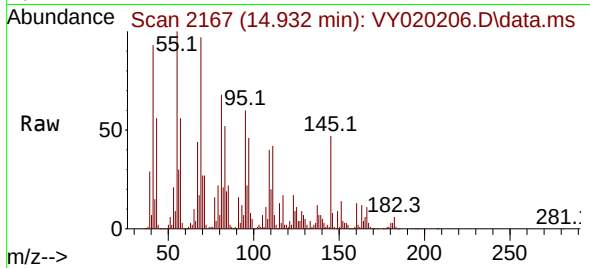
Tgt Ion:180 Resp: 5968

Ion Ratio Lower Upper

180 100

182 397.0 47.9 143.8#

145 4847.4 14.2 42.6#



#95

Naphthalene

Concen: 5.895 ug/l

RT: 15.108 min Scan# 2196

Delta R.T. -0.036 min

Lab File: VY020206.D

Acq: 07 Nov 2024 14:57

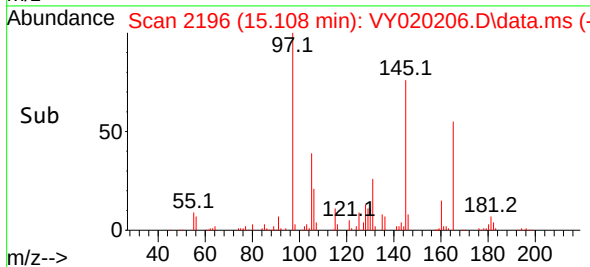
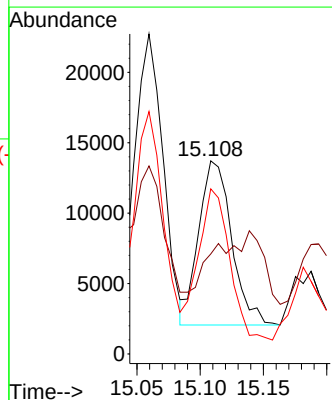
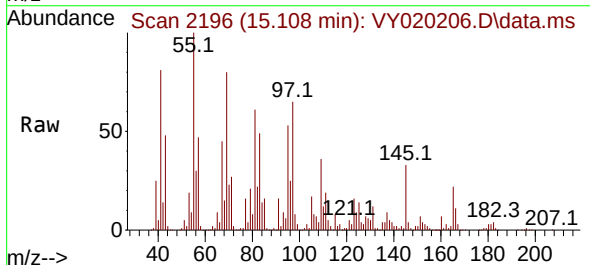
Tgt Ion:128 Resp: 21111

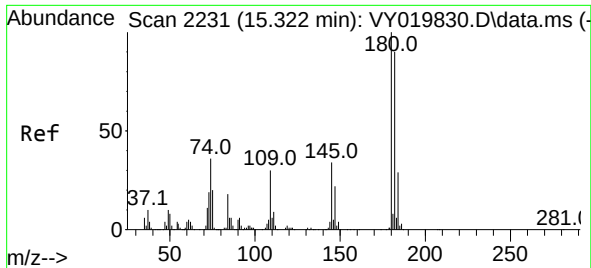
Ion Ratio Lower Upper

128 100

127 19.7 10.6 16.0#

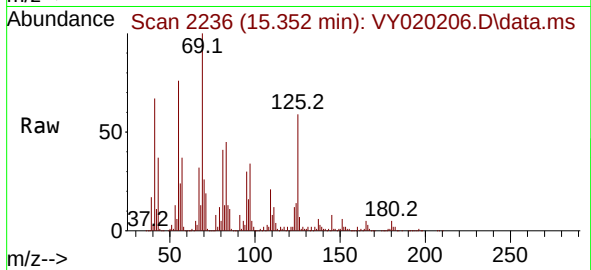
129 87.6 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 13.123 ug/l
 RT: 15.352 min Scan# 21
 Delta R.T. 0.025 min
 Lab File: VY020206.D
 Acq: 07 Nov 2024 14:57

Instrument :
 MSVOA_Y
 ClientSampleId :



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

