

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081624\
 Data File : VY019088.D
 Acq On : 16 Aug 2024 12:57
 Operator : SY/MD
 Sample : P3613-02
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 16 23:12:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

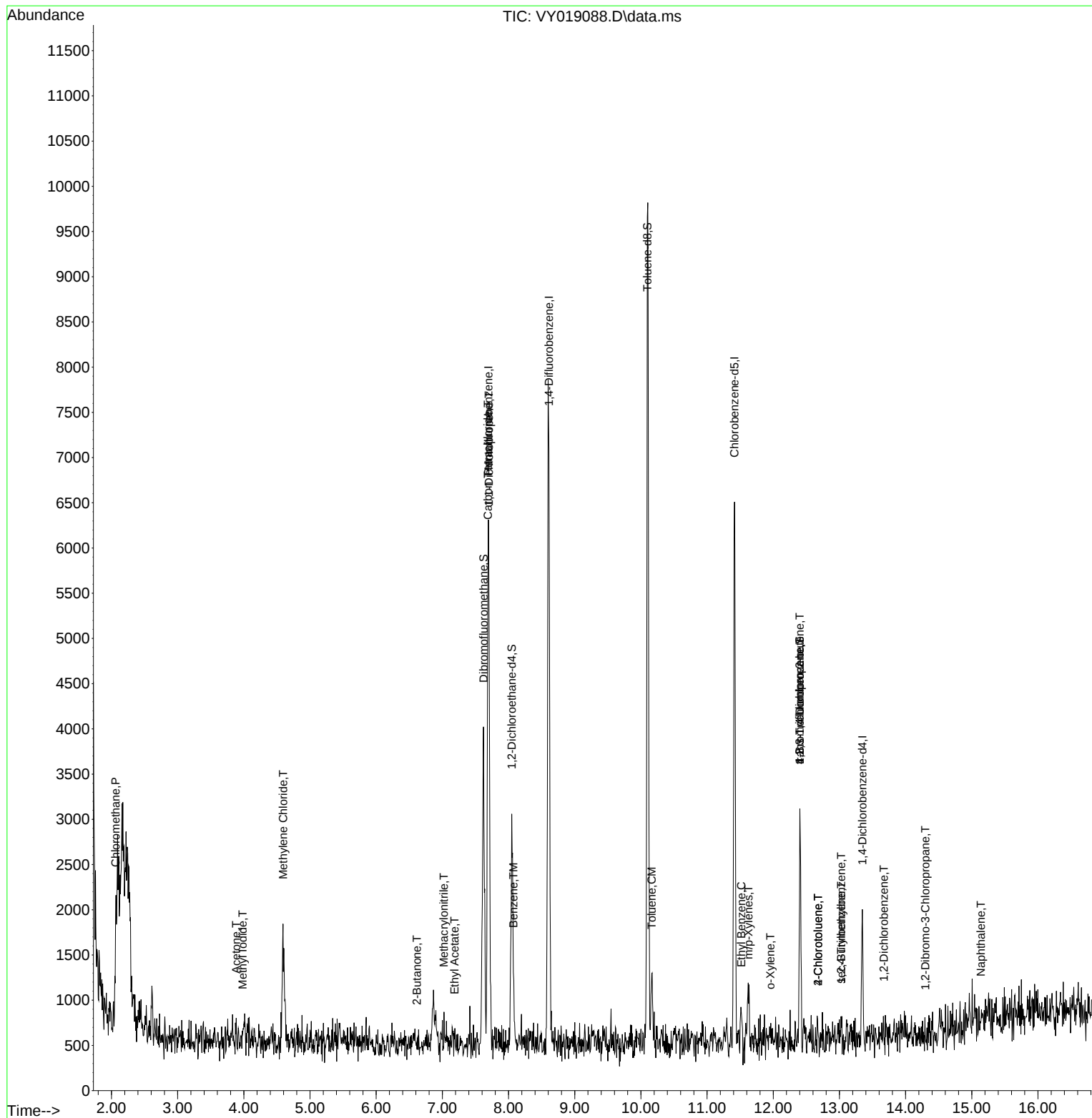
Internal Standards						
1) Pentafluorobenzene	7.695	168	4760	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.610	114	6873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	3707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	1887	39.547	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.100%
35) Dibromofluoromethane	7.622	113	2350	52.292	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.580%
50) Toluene-d8	10.097	98	6396	39.549	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	79.100%
62) 4-Bromofluorobenzene	12.402	95	958	17.377	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	34.760%
Target Compounds						
						Qvalue
3) Chloromethane	2.062	50	142	2.256	ug/l	# 43
10) Methyl Iodide	3.982	142	102	1.991	ug/l	# 41
16) Acetone	3.885	43	44	4.972	ug/l	# 36
20) Methylene Chloride	4.592	84	836	6.267	ug/l	# 88
25) 2-Butanone	6.616	43	19	1.333	ug/l	# 41
31) Cyclohexane	7.701	56	56	Below Cal		# 1
36) 1,1-Dichloropropene	7.701	75	439	7.114	ug/l	# 40
37) Ethyl Acetate	7.183	43	33	1.207	ug/l	# 67
38) Carbon Tetrachloride	7.689	117	557	7.788	ug/l	# 13
40) Benzene	8.073	78	244	1.289	ug/l	# 51
41) Methacrylonitrile	7.025	41	21	1.407	ug/l	# 23
52) Toluene	10.164	92	282	2.270	ug/l	# 47
67) Ethyl Benzene	11.518	91	433	2.923	ug/l	# 44
68) m/p-Xylenes	11.627	106	304	5.171	ug/l	# 84
69) o-Xylene	11.957	106	86	1.580	ug/l	# 1
76) 1,2,3-Trichloropropane	12.402	75	506	110.105	ug/l	# 100
79) 2-Chlorotoluene	12.676	91	26	1.086	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	12.402	75	506	271.923	ug/l	# 16
82) 4-Chlorotoluene	12.676	91	26	1.044	ug/l	# 39
84) 1,2,4-Trimethylbenzene	13.030	105	65	2.241	ug/l	# 30
85) sec-Butylbenzene	13.030	105	65	1.660	ug/l	# 56
91) 1,2-Dichlorobenzene	13.670	146	42	2.823	ug/l	# 25
92) 1,2-Dibromo-3-Chloropr...	14.298	75	25	26.726	ug/l	# 1
95) Naphthalene	15.139	128	37	2.471	ug/l	# 69

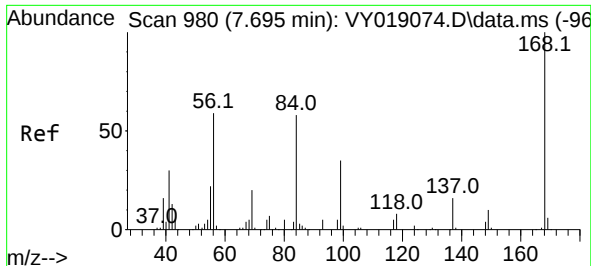
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 16 05:10:30 2024
Response via : Initial Calibration

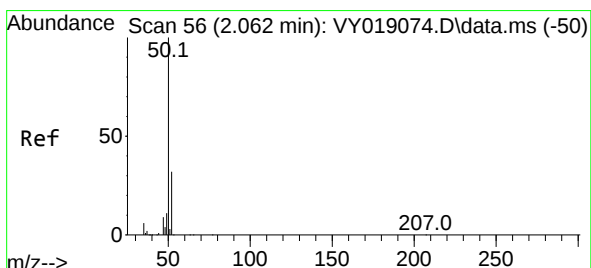
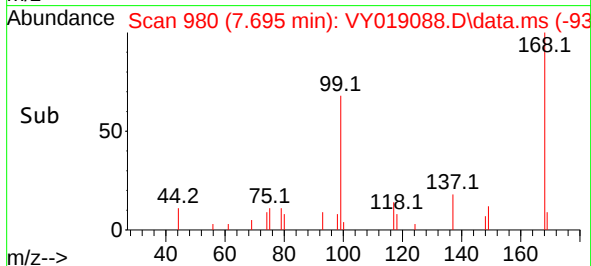
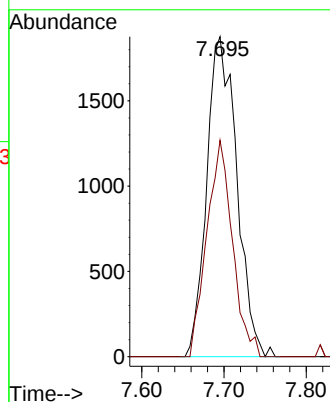
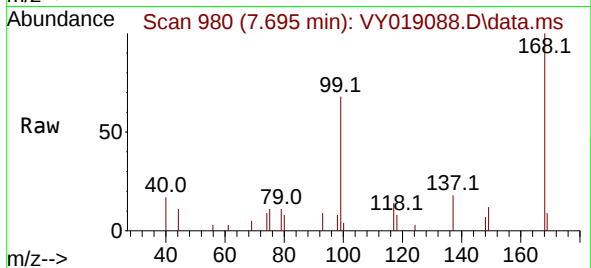




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019088.D
Acq: 16 Aug 2024 12:57

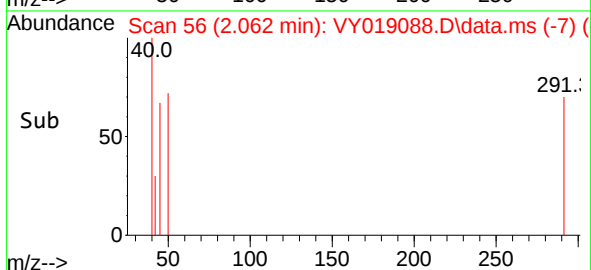
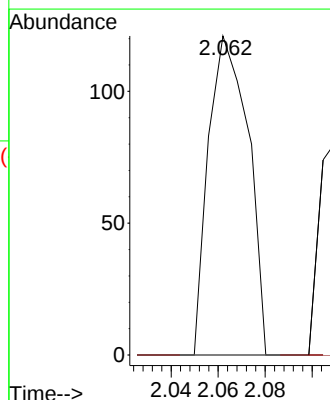
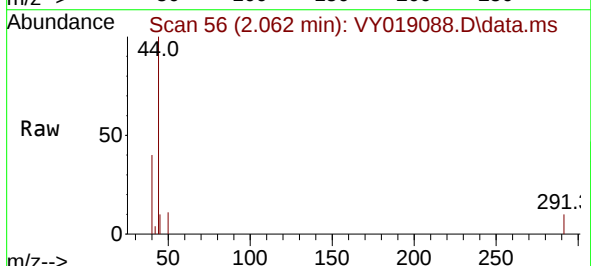
Instrument :
MSVOA_Y
ClientSampleId :

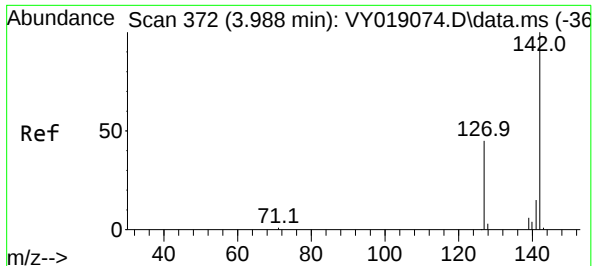
Tgt Ion:168 Resp: 4760
Ion Ratio Lower Upper
168 100
99 67.6 39.1 58.7#



#3
Chloromethane
Concen: 2.256 ug/l
RT: 2.062 min Scan# 56
Delta R.T. 0.000 min
Lab File: VY019088.D
Acq: 16 Aug 2024 12:57

Tgt Ion: 50 Resp: 142
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#





#10

Methyl Iodide

Concen: 1.991 ug/l

RT: 3.982 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY019088.D

Acq: 16 Aug 2024 12:57

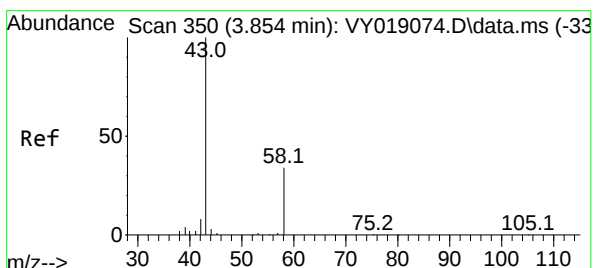
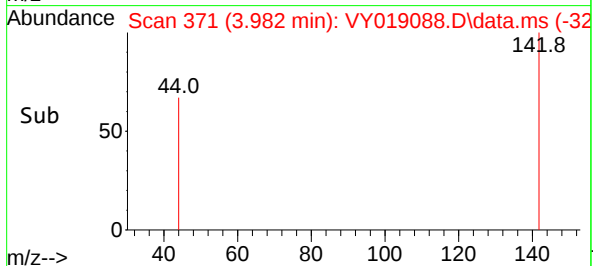
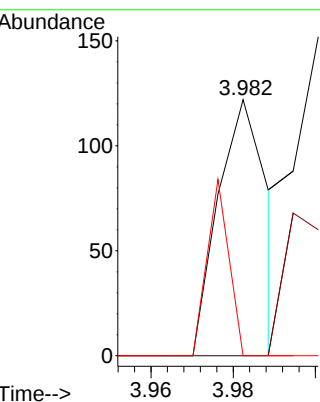
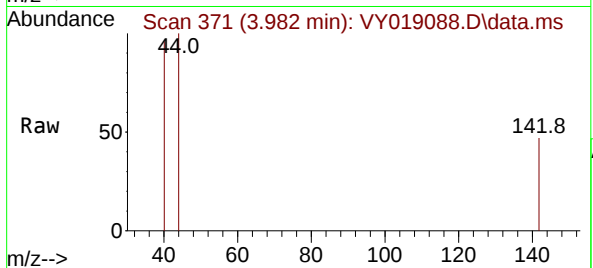
Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:142 Resp: 102

Ion	Ratio	Lower	Upper
142	100		
127	0.0	32.8	49.2#
141	30.4	11.4	17.2#



#16

Acetone

Concen: 4.972 ug/l

RT: 3.885 min Scan# 355

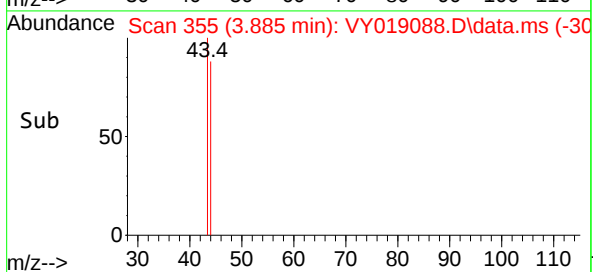
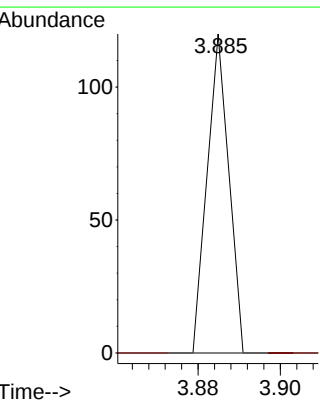
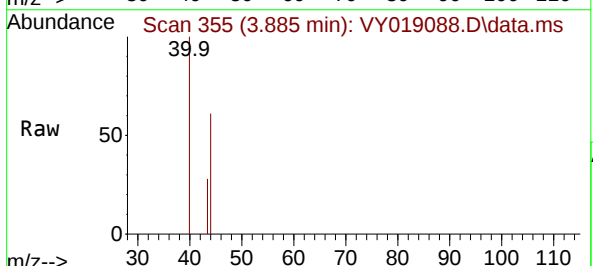
Delta R.T. 0.031 min

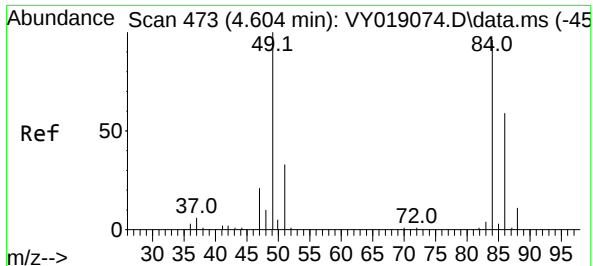
Lab File: VY019088.D

Acq: 16 Aug 2024 12:57

Tgt Ion: 43 Resp: 44

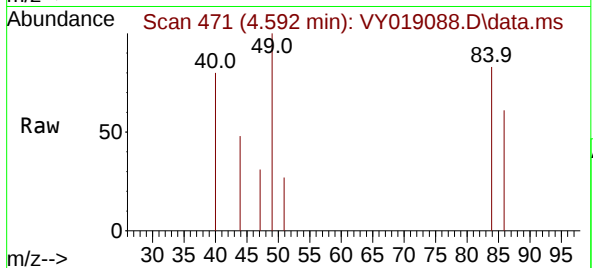
Ion	Ratio	Lower	Upper
43	100		
58	0.0	31.7	47.5#



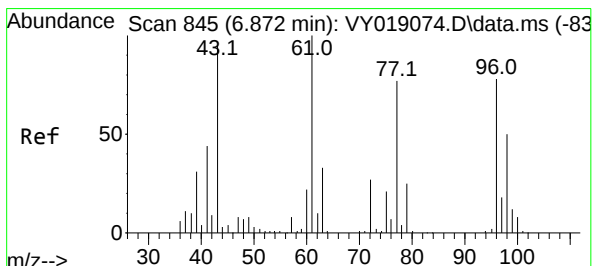
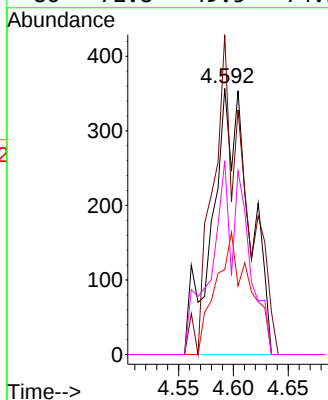
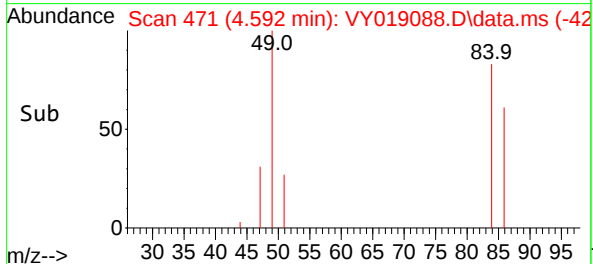


#20
Methylene Chloride
Concen: 6.267 ug/l
RT: 4.592 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY019088.D
Acq: 16 Aug 2024 12:57

Instrument :
MSVOA_Y
ClientSampleId :

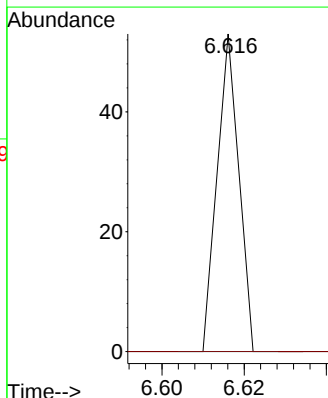
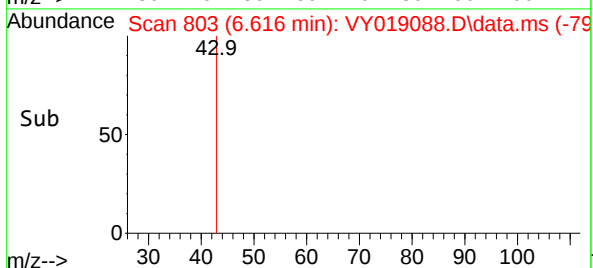
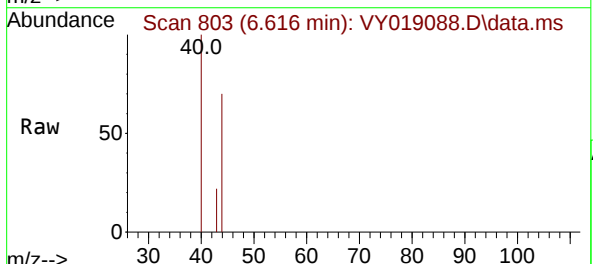


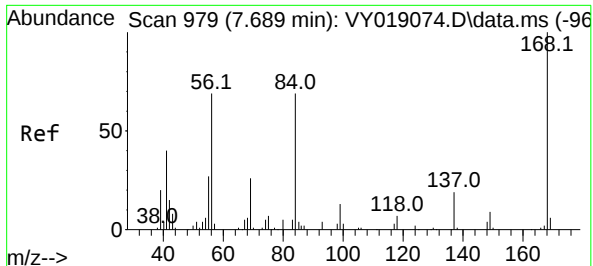
Tgt Ion:	84	Resp:	836
Ion	Ratio	Lower	Upper
84	100		
49	120.2	84.4	126.6
51	31.9	26.0	39.0
86	72.8	49.5	74.3



#25
2-Butanone
Concen: 1.333 ug/l
RT: 6.616 min Scan# 803
Delta R.T. -0.256 min
Lab File: VY019088.D
Acq: 16 Aug 2024 12:57

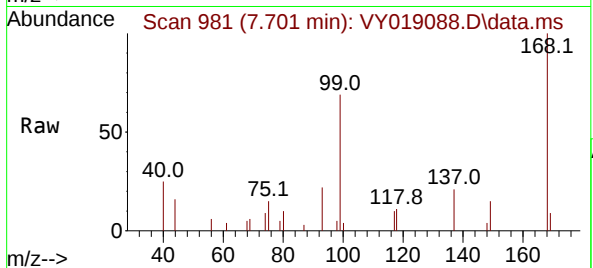
Tgt Ion:	43	Resp:	19
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#



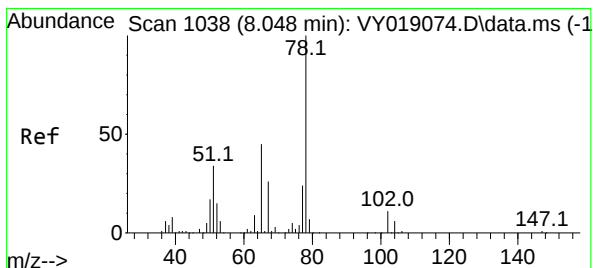
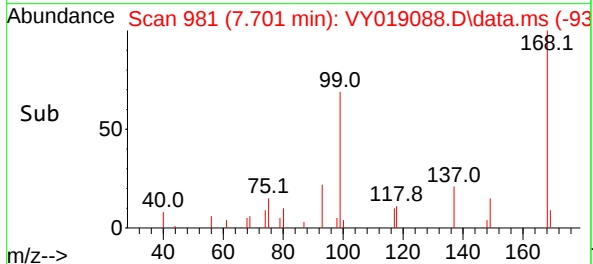
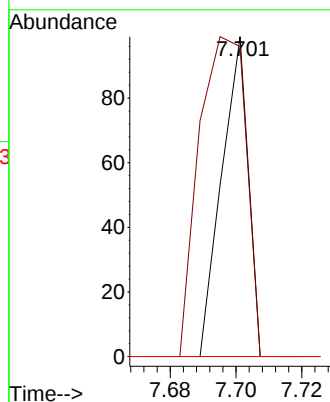


#31
Cyclohexane
Concen: Below Cal
RT: 7.701 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY019088.D
Acq: 16 Aug 2024 12:57

Instrument :
MSVOA_Y
ClientSampleId :

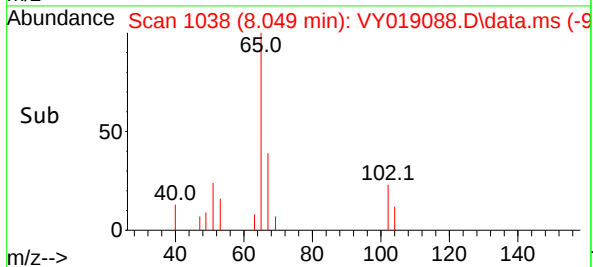
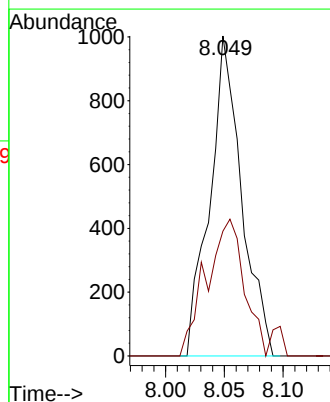
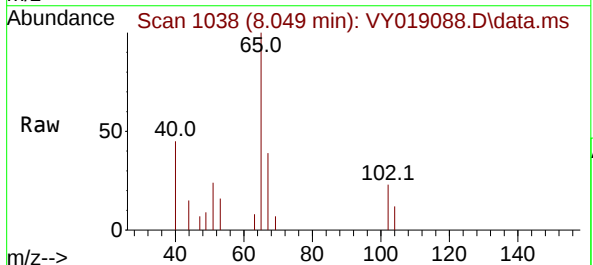


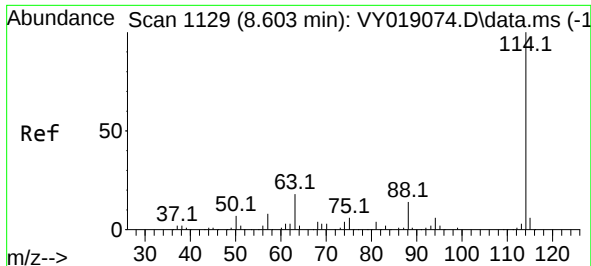
Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
69 97.0 28.7 43.1#
84 0.0 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 39.547 ug/l
RT: 8.049 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY019088.D
Acq: 16 Aug 2024 12:57

Tgt Ion: 65 Resp: 1887
Ion Ratio Lower Upper
65 100
67 51.1 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY019088.D

Acq: 16 Aug 2024 12:57

Instrument :

MSVOA_Y

ClientSampleId :

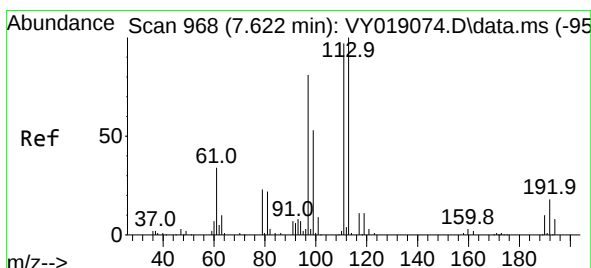
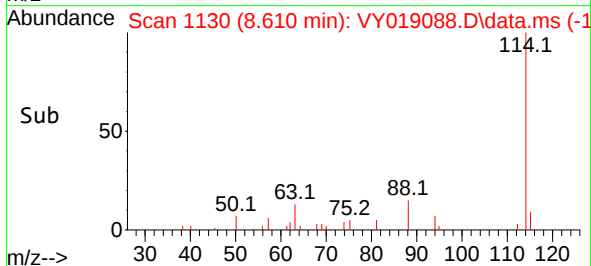
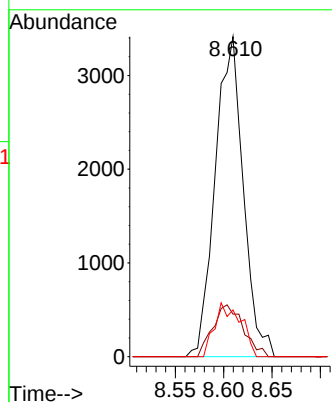
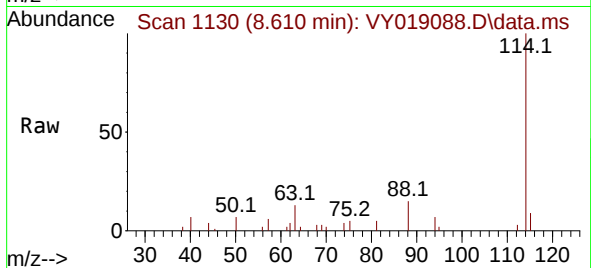
Tgt Ion:114 Resp: 6873

Ion Ratio Lower Upper

114 100

63 13.3 0.0 35.0

88 14.6 0.0 27.2



#35

Dibromofluoromethane

Concen: 52.292 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY019088.D

Acq: 16 Aug 2024 12:57

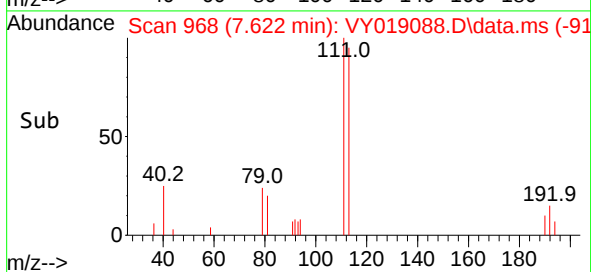
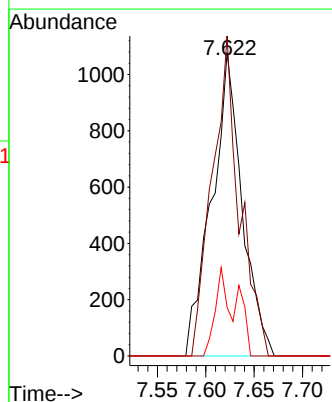
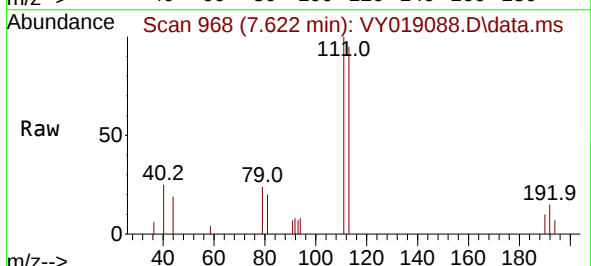
Tgt Ion:113 Resp: 2350

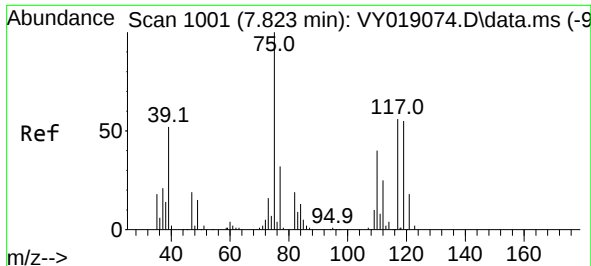
Ion Ratio Lower Upper

113 100

111 95.3 82.2 123.4

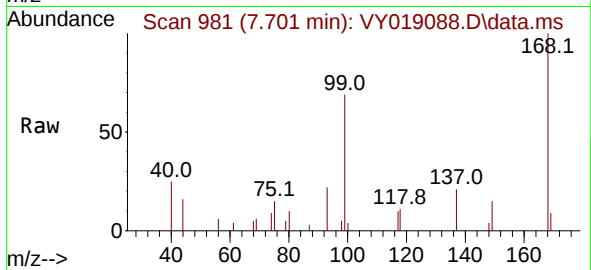
192 12.9 15.9 23.9#



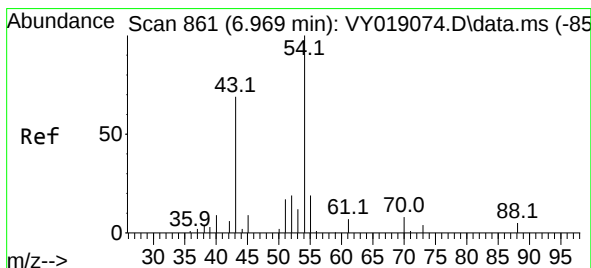
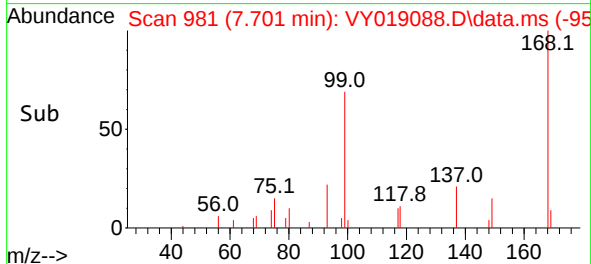
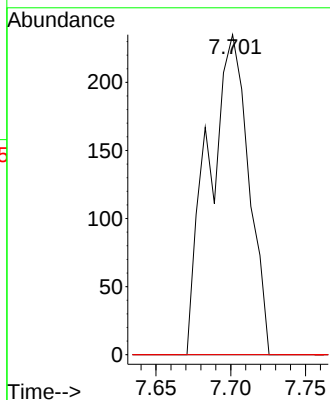


#36
1,1-Dichloropropene
Concen: 7.114 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY019088.D
Acq: 16 Aug 2024 12:57

Instrument :
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ClientSampleId :

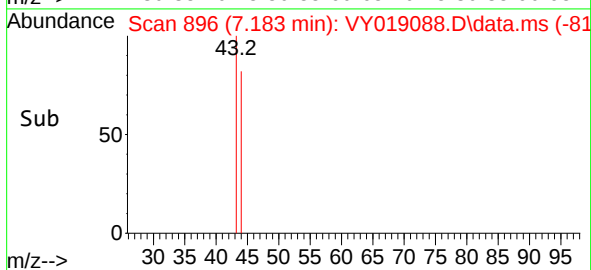
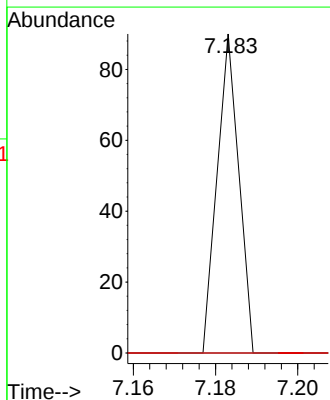
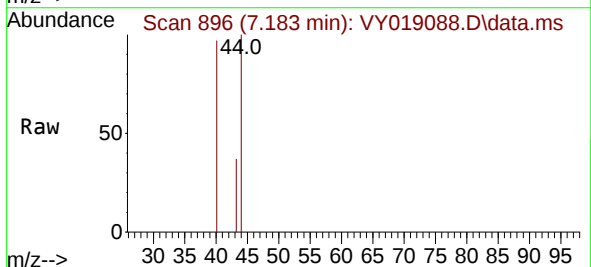


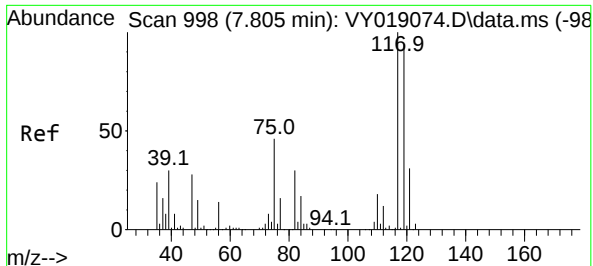
Tgt Ion: 75 Resp: 439
Ion Ratio Lower Upper
75 100
110 0.0 19.0 57.0#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 1.207 ug/l
RT: 7.183 min Scan# 896
Delta R.T. 0.214 min
Lab File: VY019088.D
Acq: 16 Aug 2024 12:57

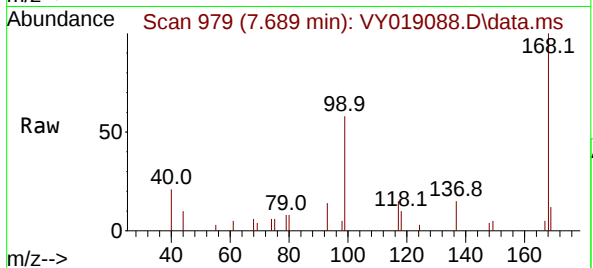
Tgt Ion: 43 Resp: 33
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0#
70 0.0 7.8 11.8#



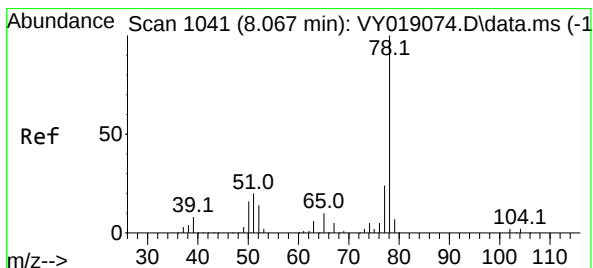
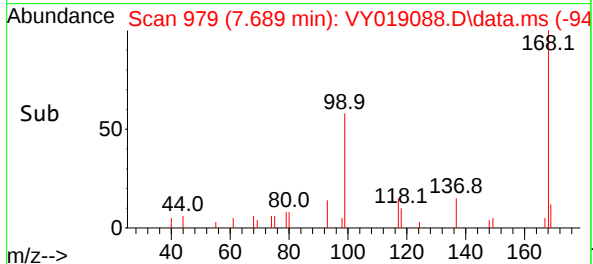
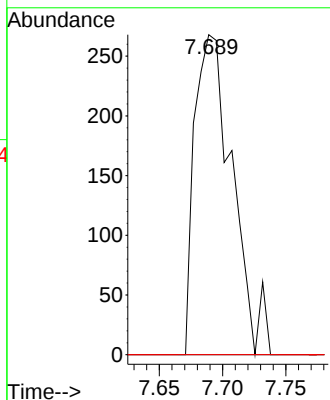


#38
Carbon Tetrachloride
Concen: 7.788 ug/l
RT: 7.689 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY019088.D
Acq: 16 Aug 2024 12:57

Instrument :
MSVOA_Y
ClientSampleId :

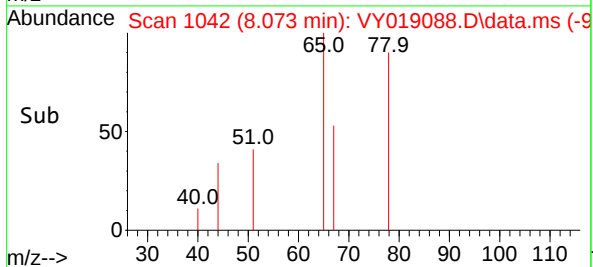
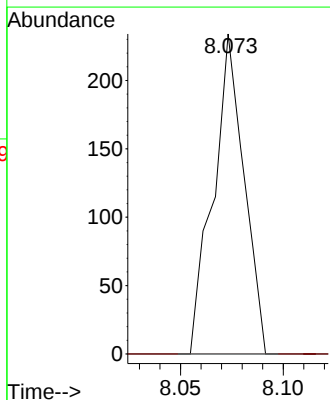
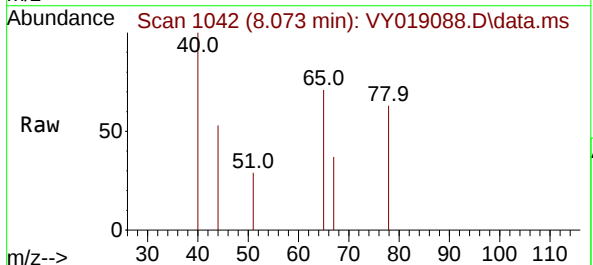


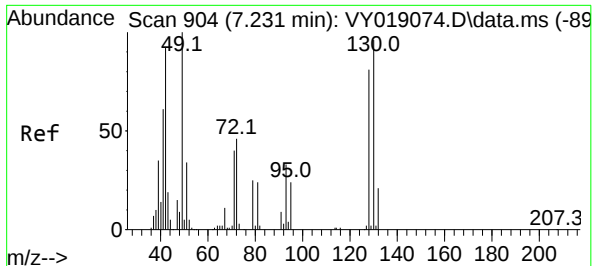
Tgt Ion:117 Resp: 557
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#40
Benzene
Concen: 1.289 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY019088.D
Acq: 16 Aug 2024 12:57

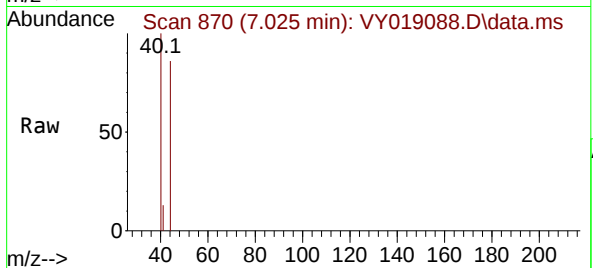
Tgt Ion: 78 Resp: 244
Ion Ratio Lower Upper
78 100
77 0.0 19.5 29.3#



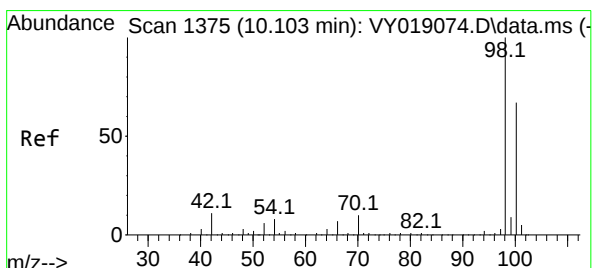
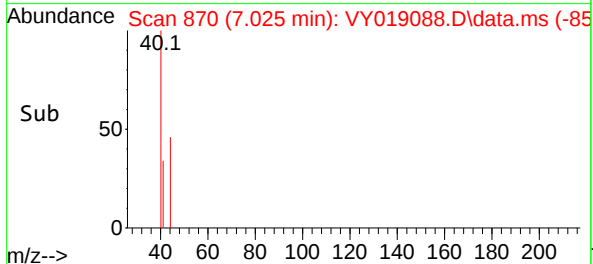
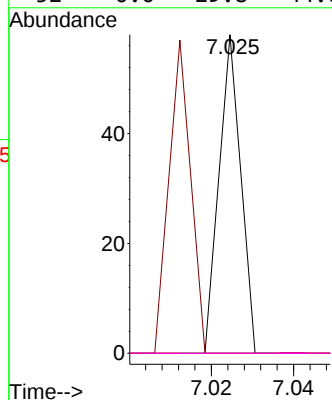


#41
Methacrylonitrile
Concen: 1.407 ug/l
RT: 7.025 min Scan# 81
Delta R.T. -0.207 min
Lab File: VY019088.D
Acq: 16 Aug 2024 12:57

Instrument :
MSVOA_Y
ClientSampleId :

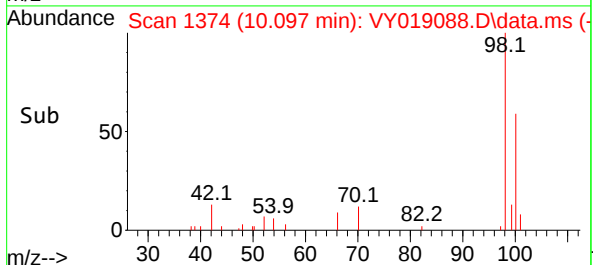
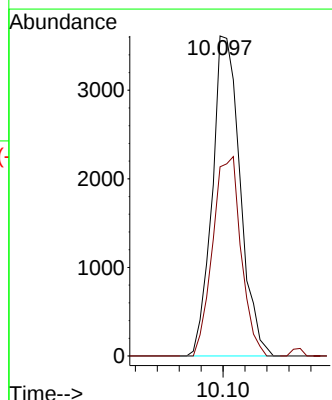
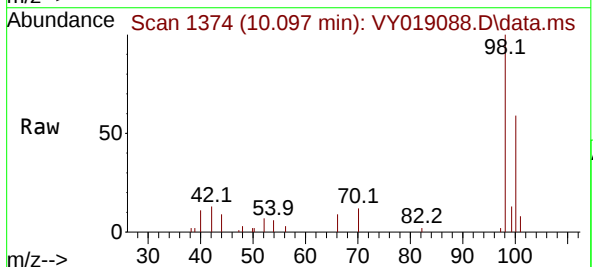


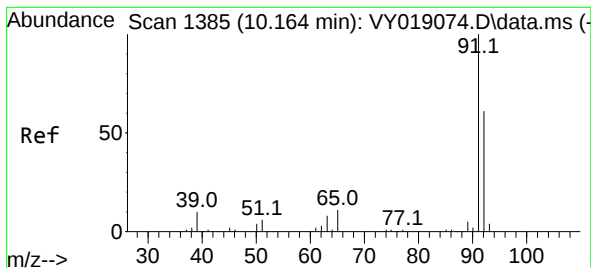
Tgt Ion: 41 Resp: 21
Ion Ratio Lower Upper
41 100
39 100.0 48.0 72.0#
67 0.0 75.1 112.7#
52 0.0 29.8 44.6#



#50
Toluene-d8
Concen: 39.549 ug/l
RT: 10.097 min Scan# 1374
Delta R.T. -0.006 min
Lab File: VY019088.D
Acq: 16 Aug 2024 12:57

Tgt Ion: 98 Resp: 6396
Ion Ratio Lower Upper
98 100
100 63.1 52.0 78.0





#52

Toluene

Concen: 2.270 ug/l

RT: 10.164 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VY019088.D

Acq: 16 Aug 2024 12:57

Instrument :

MSVOA_Y

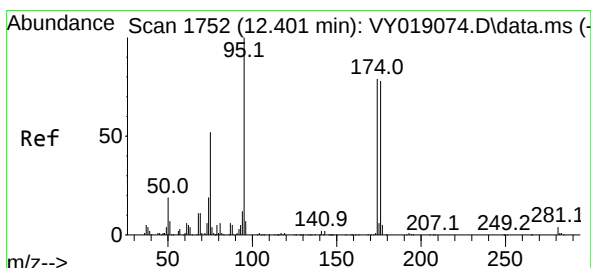
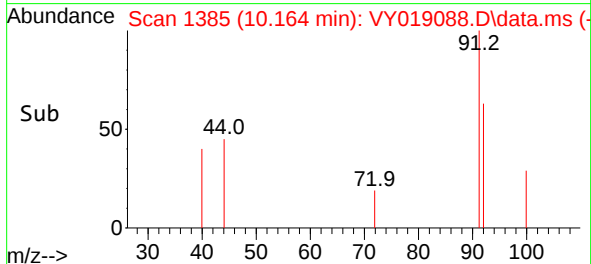
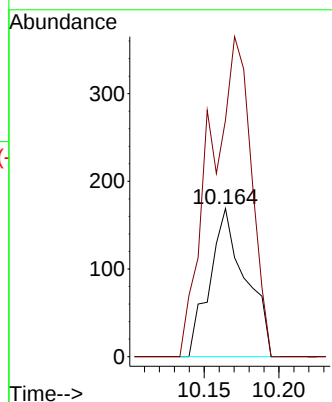
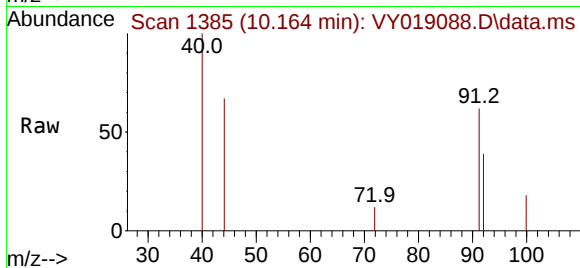
ClientSampleId :

Tgt Ion: 92 Resp: 282

Ion Ratio Lower Upper

92 100

91 247.5 139.0 208.6#



#62

4-Bromofluorobenzene

Concen: 17.377 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY019088.D

Acq: 16 Aug 2024 12:57

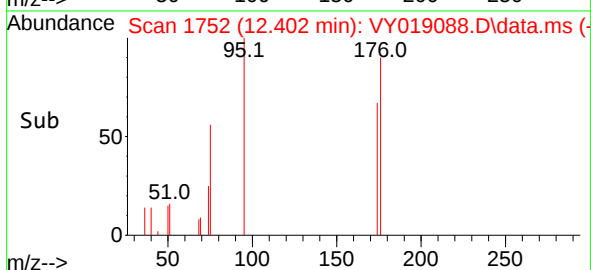
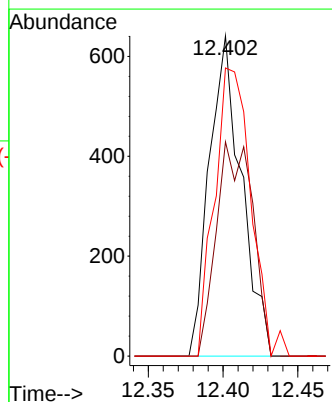
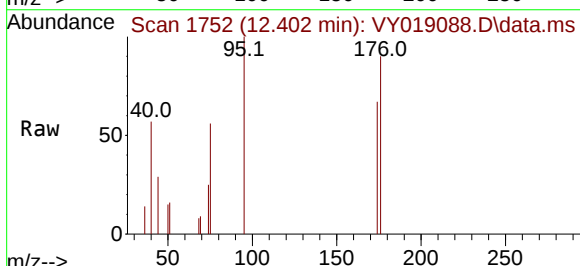
Tgt Ion: 95 Resp: 958

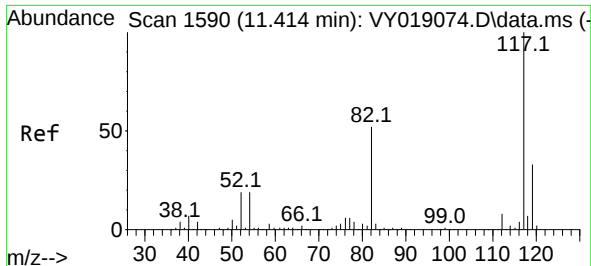
Ion Ratio Lower Upper

95 100

174 75.7 0.0 175.6

176 102.0 0.0 171.4

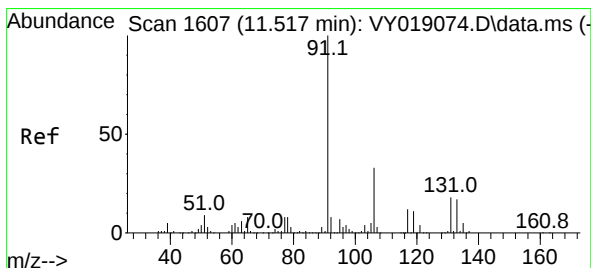
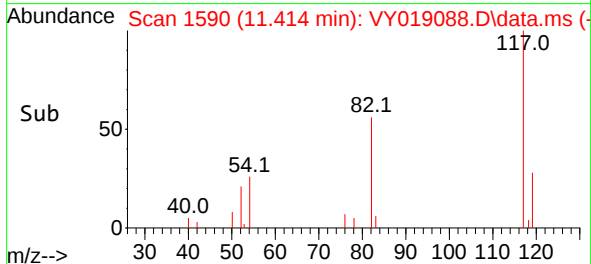
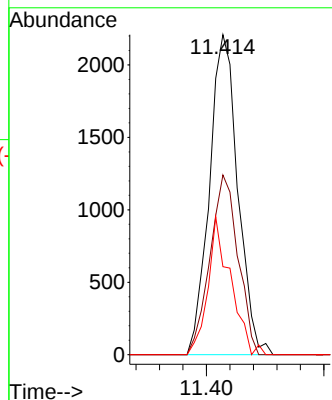
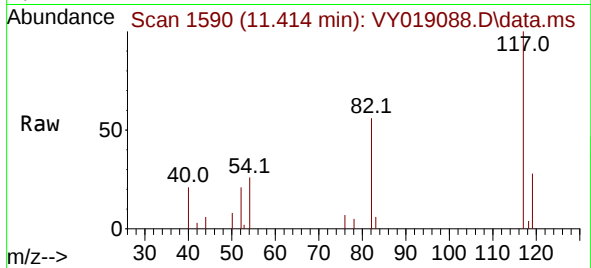




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY019088.D
Acq: 16 Aug 2024 12:57

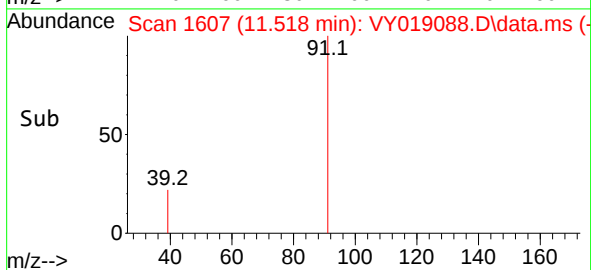
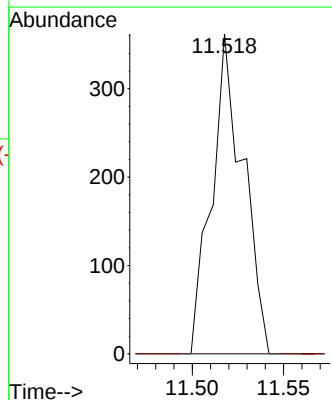
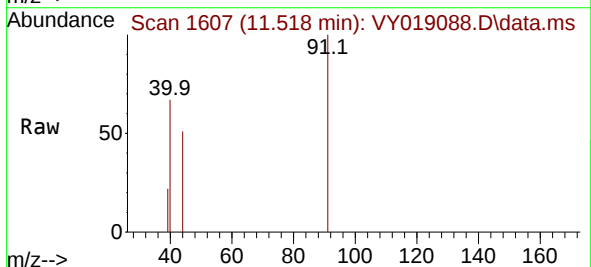
Instrument :
MSVOA_Y
ClientSampleId :

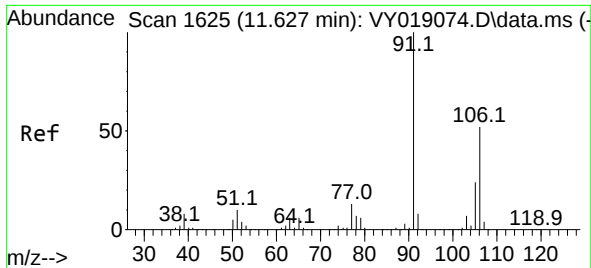
Tgt Ion:117 Resp: 3707
Ion Ratio Lower Upper
117 100
82 56.1 42.4 63.6
119 27.5 25.9 38.9



#67
Ethyl Benzene
Concen: 2.923 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY019088.D
Acq: 16 Aug 2024 12:57

Tgt Ion: 91 Resp: 433
Ion Ratio Lower Upper
91 100
106 0.0 24.5 36.7#

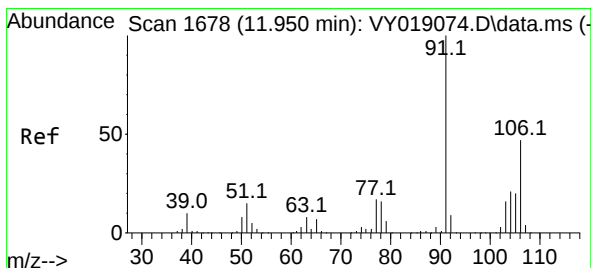
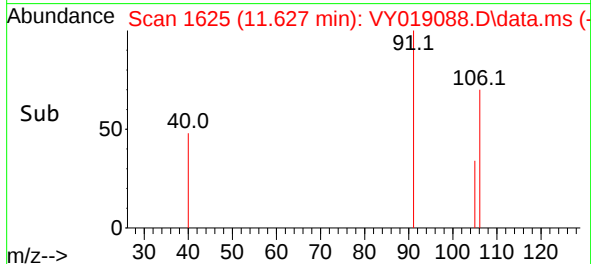
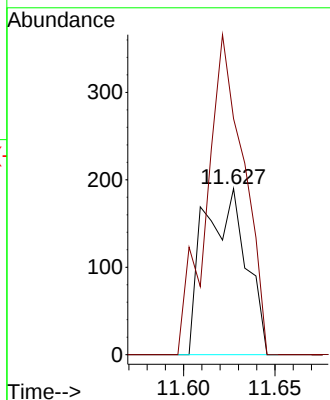
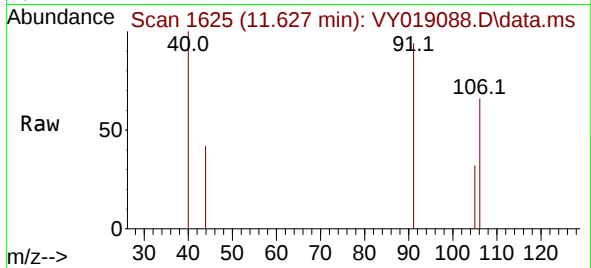




#68
m/p-Xylenes
Concen: 5.171 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY019088.D
Acq: 16 Aug 2024 12:57

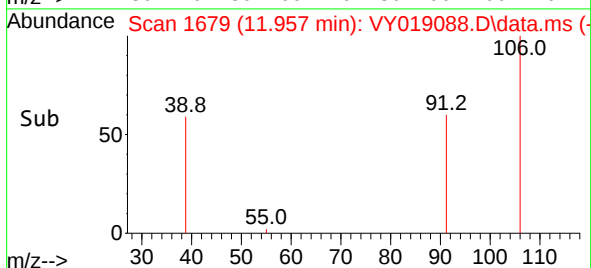
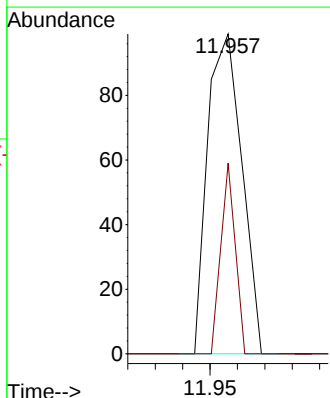
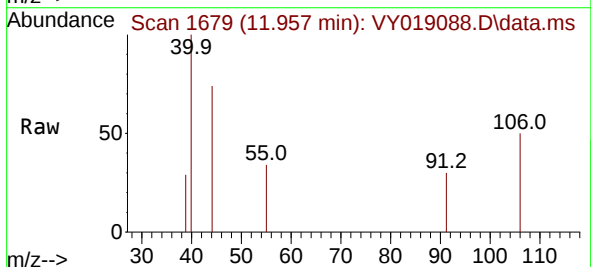
Instrument :
MSVOA_Y
ClientSampleId :

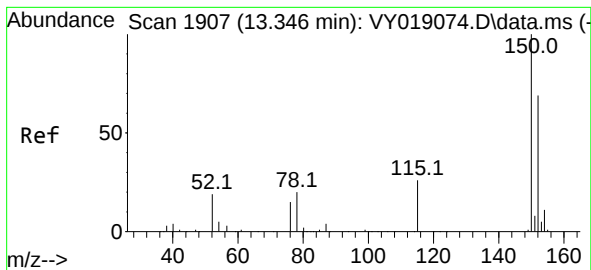
Tgt Ion:106 Resp: 304
Ion Ratio Lower Upper
106 100
91 171.4 156.0 234.0



#69
o-Xylene
Concen: 1.580 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY019088.D
Acq: 16 Aug 2024 12:57

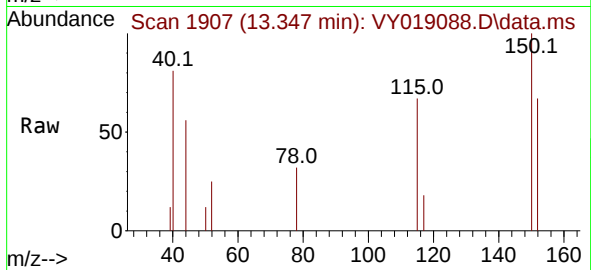
Tgt Ion:106 Resp: 86
Ion Ratio Lower Upper
106 100
91 25.6 103.6 310.8#



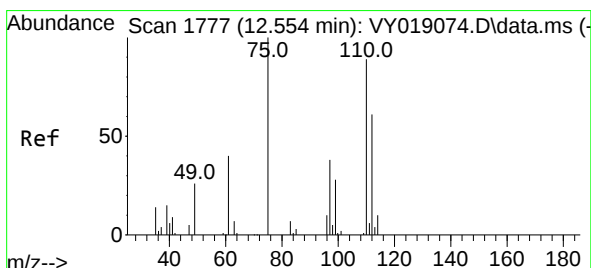
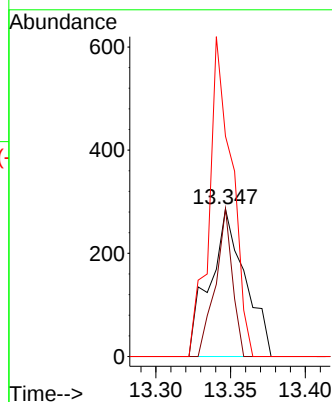
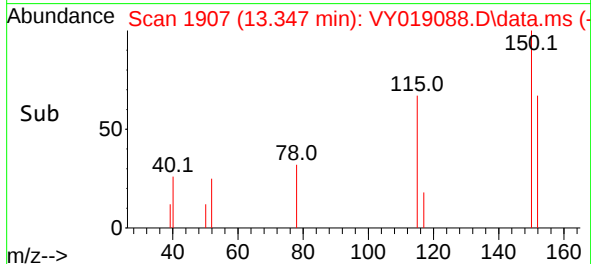


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY019088.D
 Acq: 16 Aug 2024 12:57

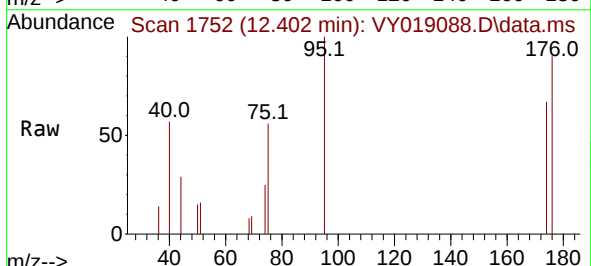
Instrument :
 MSVOA_Y
 ClientSampleId :



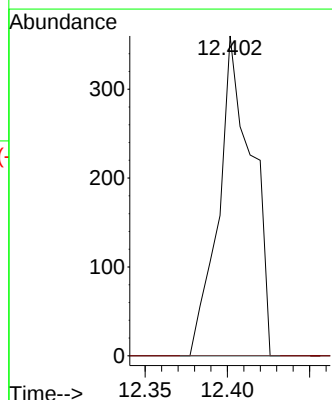
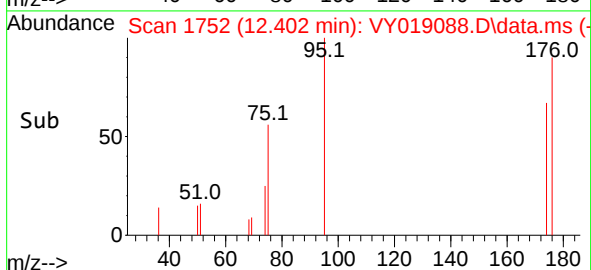
Tgt Ion:152 Resp: 466
 Ion Ratio Lower Upper
 152 100
 115 48.5 28.2 84.7
 150 141.6 0.0 345.6

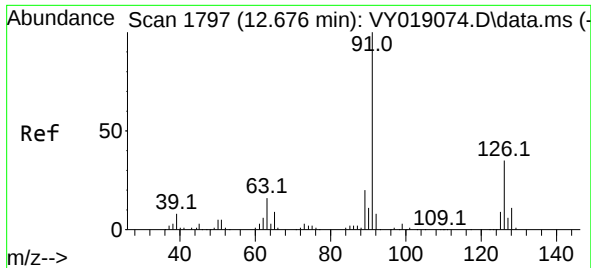


#76
 1,2,3-Trichloropropane
 Concen: 110.105 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY019088.D
 Acq: 16 Aug 2024 12:57



Tgt Ion: 75 Resp: 506
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

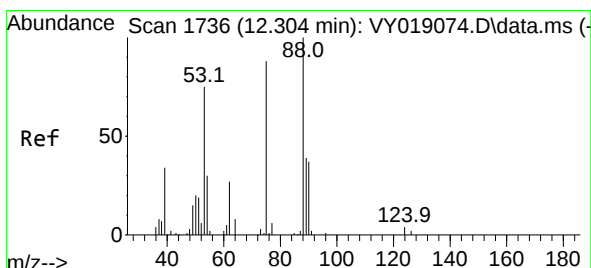
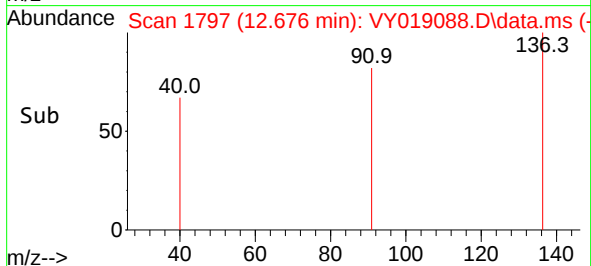
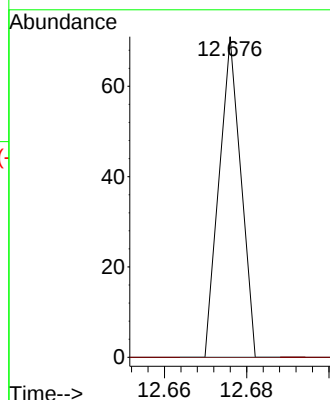
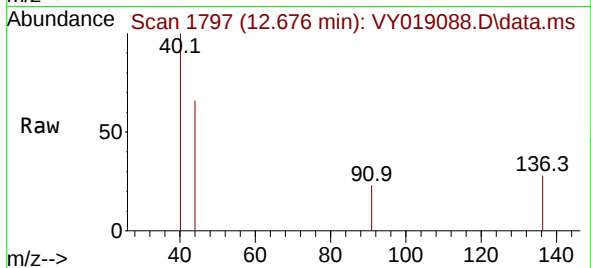




#79
2-Chlorotoluene
Concen: 1.086 ug/l
RT: 12.676 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019088.D
Acq: 16 Aug 2024 12:57

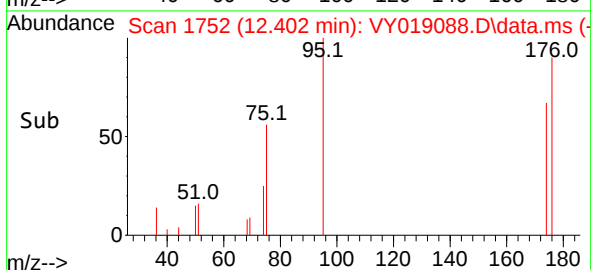
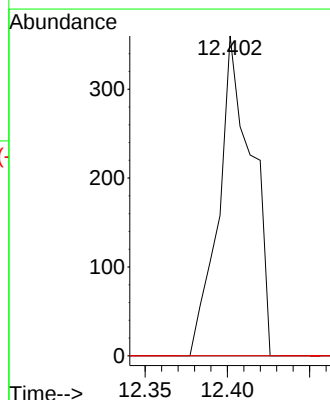
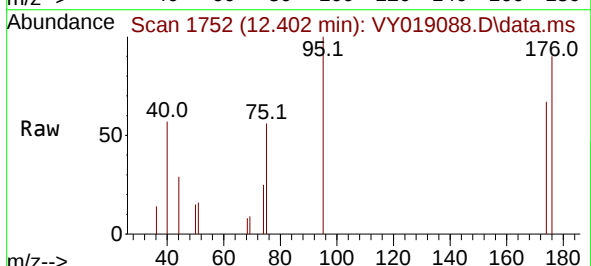
Instrument :
MSVOA_Y
ClientSampleId :

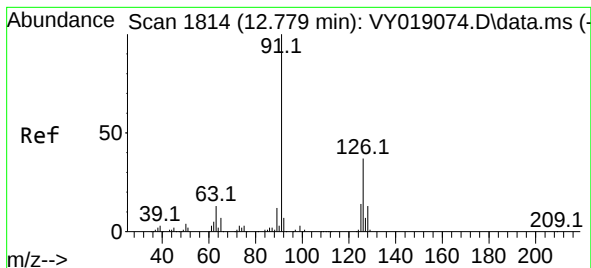
Tgt Ion: 91 Resp: 26
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 271.923 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019088.D
Acq: 16 Aug 2024 12:57

Tgt Ion: 75 Resp: 506
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

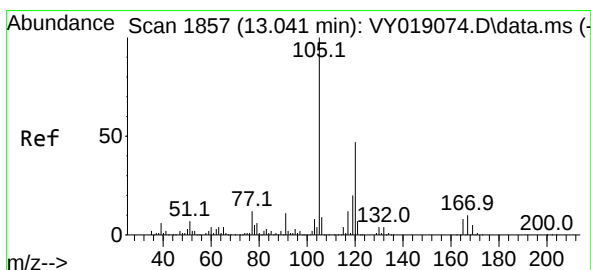
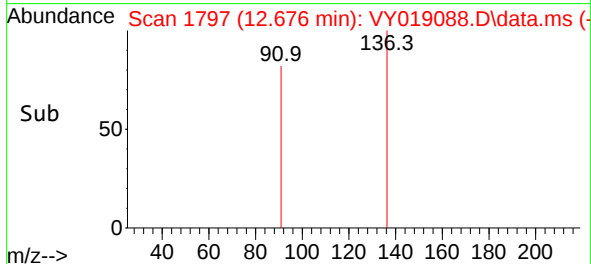
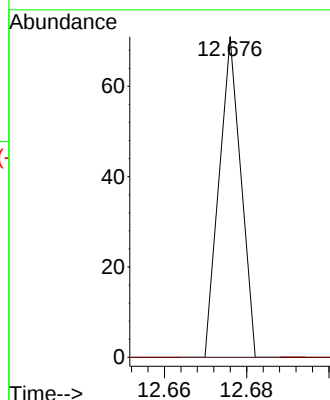
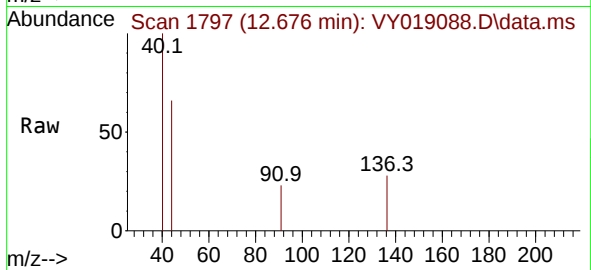




#82
4-Chlorotoluene
Concen: 1.044 ug/l
RT: 12.676 min Scan# 11
Delta R.T. -0.103 min
Lab File: VY019088.D
Acq: 16 Aug 2024 12:57

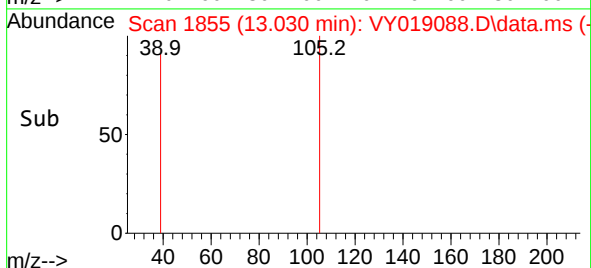
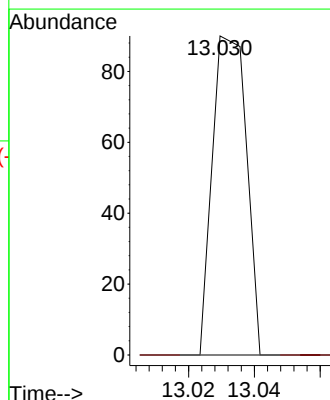
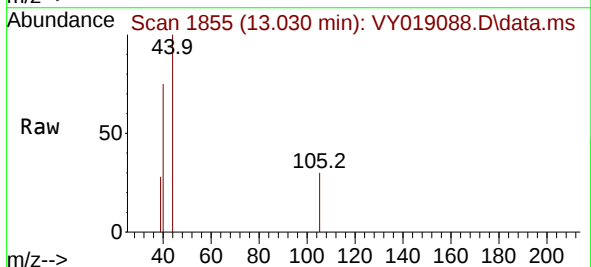
Instrument :
MSVOA_Y
ClientSampleId :

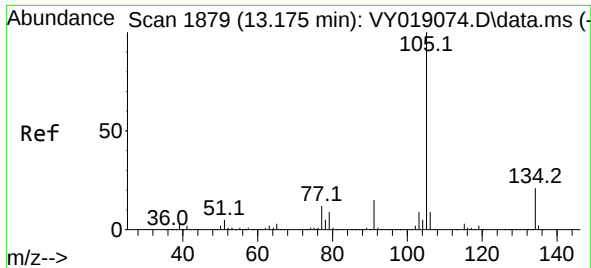
Tgt Ion: 91 Resp: 26
Ion Ratio Lower Upper
91 100
126 0.0 17.6 52.9#



#84
1,2,4-Trimethylbenzene
Concen: 2.241 ug/l
RT: 13.030 min Scan# 1855
Delta R.T. -0.012 min
Lab File: VY019088.D
Acq: 16 Aug 2024 12:57

Tgt Ion: 105 Resp: 65
Ion Ratio Lower Upper
105 100
120 0.0 23.2 69.6#

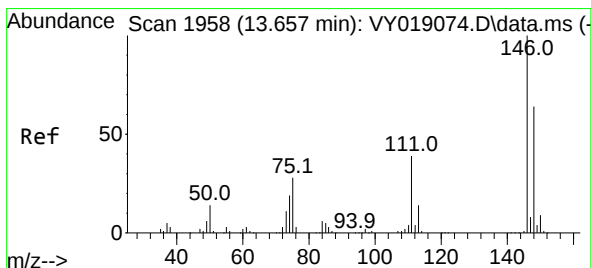
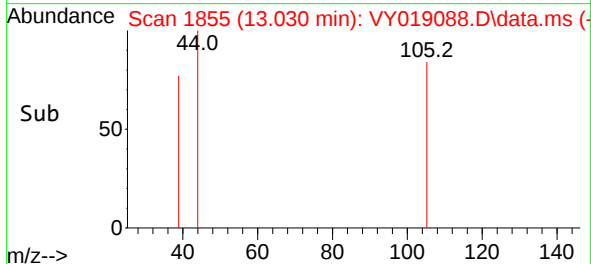
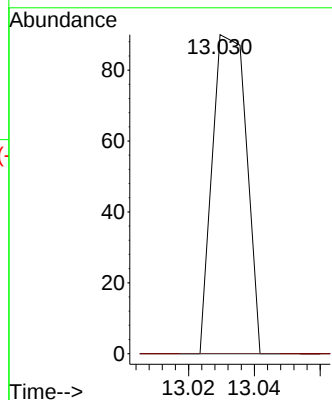
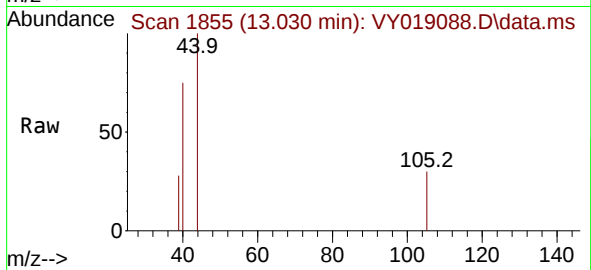




#85
 sec-Butylbenzene
 Concen: 1.660 ug/l
 RT: 13.030 min Scan# 1879
 Delta R.T. -0.146 min
 Lab File: VY019088.D
 Acq: 16 Aug 2024 12:57

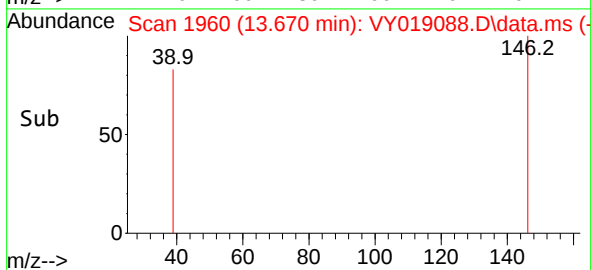
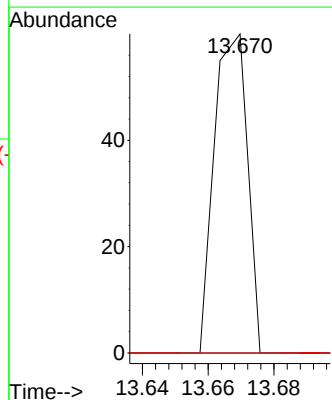
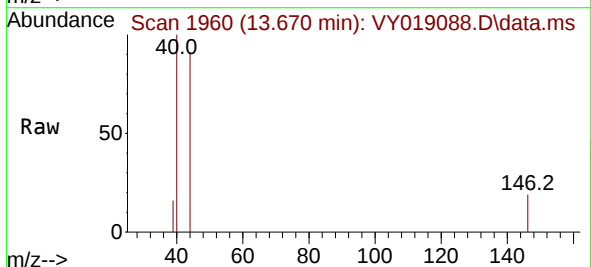
Instrument :
 MSVOA_Y
 ClientSampleId :

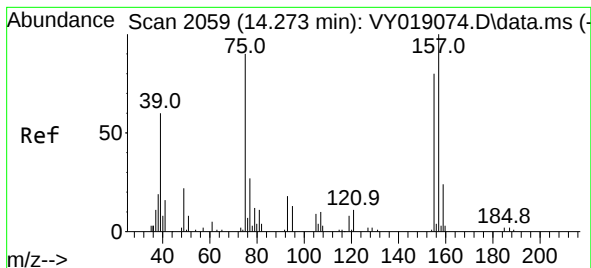
Tgt Ion:105 Resp: 65
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#



#91
 1,2-Dichlorobenzene
 Concen: 2.823 ug/l
 RT: 13.670 min Scan# 1960
 Delta R.T. 0.013 min
 Lab File: VY019088.D
 Acq: 16 Aug 2024 12:57

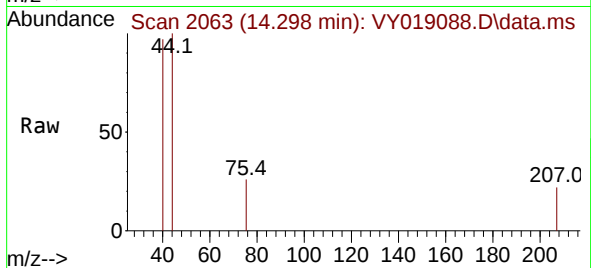
Tgt Ion:146 Resp: 42
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.9 59.7#
 148 0.0 31.8 95.4#



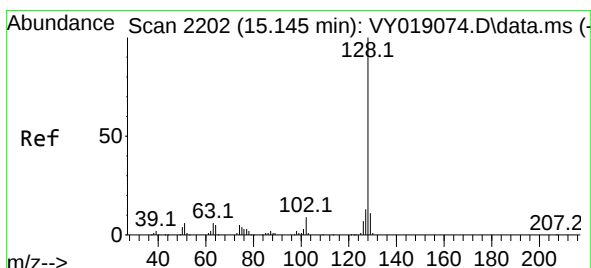
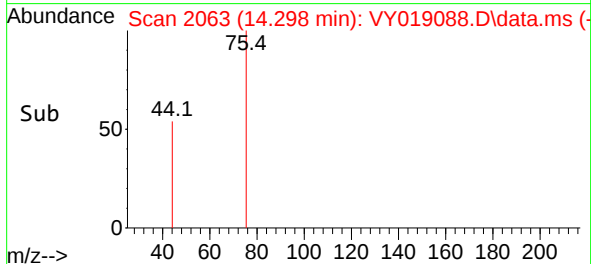
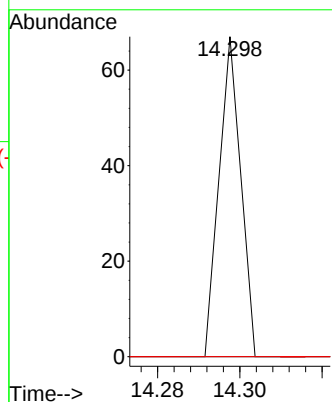


#92
1,2-Dibromo-3-Chloropropane
Concen: 26.726 ug/l
RT: 14.298 min Scan# 2059
Delta R.T. 0.025 min
Lab File: VY019088.D
Acq: 16 Aug 2024 12:57

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 25
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#



#95
Naphthalene
Concen: 2.471 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY019088.D
Acq: 16 Aug 2024 12:57

Tgt Ion: 128 Resp: 37
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

