

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092722\
 Data File : VY010693.D
 Acq On : 27 Sep 2022 13:21
 Operator : KP/MD
 Sample : N4781-02
 Misc : 6.55g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 28 01:25:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

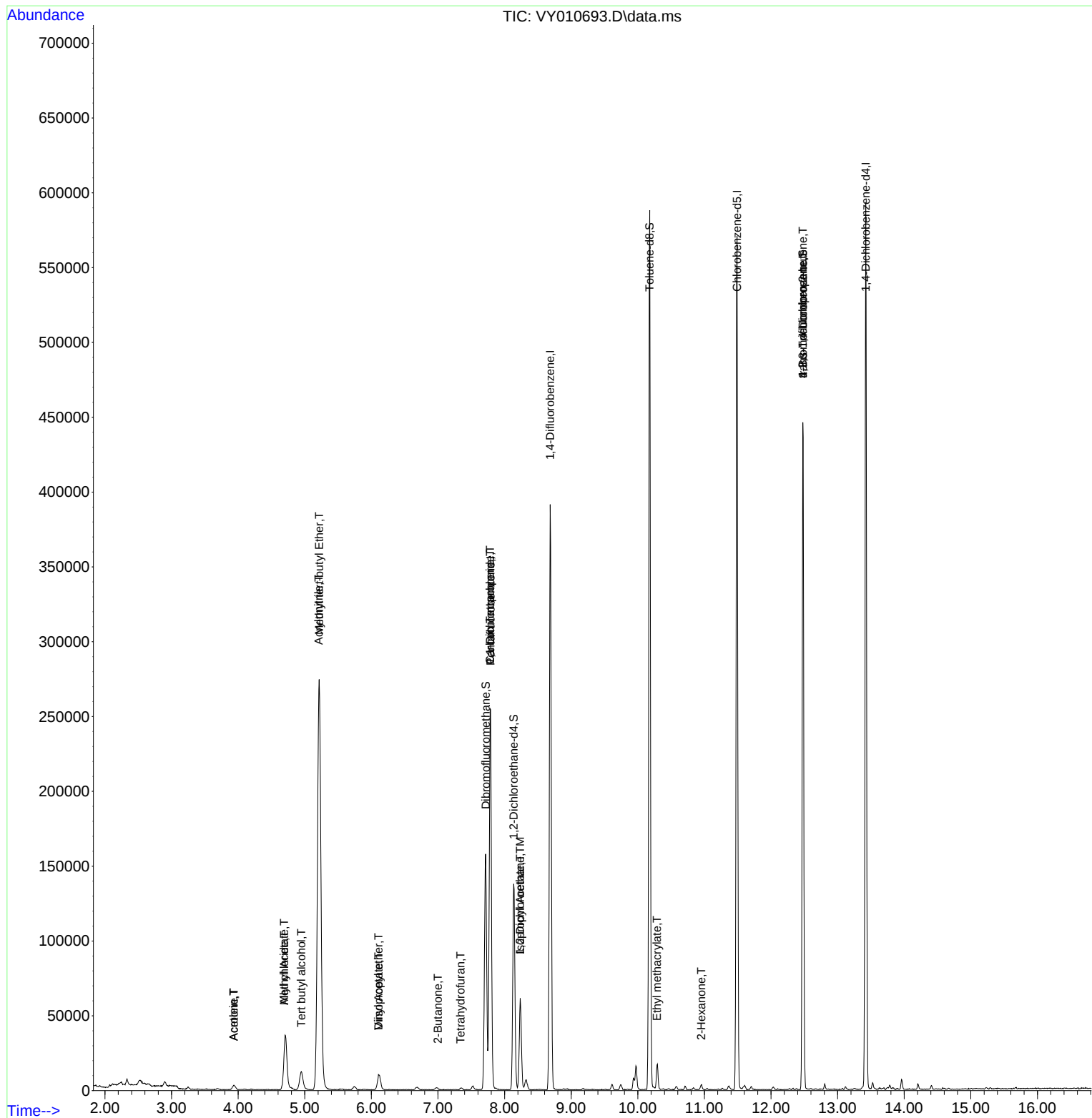
Internal Standards						
1) Pentafluorobenzene	7.789	168	198676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	332719	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	305064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	149213	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	106605	56.099	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.200%	
35) Dibromofluoromethane	7.716	113	109468	51.553	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.100%	
50) Toluene-d8	10.179	98	377619	48.236	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.480%	
62) 4-Bromofluorobenzene	12.477	95	133868	45.733	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.460%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	26	Below Cal	#	43
3) Chloromethane	2.107	50	626	Below Cal		89
4) Vinyl Chloride	2.509	62	66	Below Cal	#	43
5) Bromomethane	2.656	94	450	Below Cal		84
11) Tert butyl alcohol	4.948	59	22134	124.563	ug/l #	93
13) Acrolein	3.930	56	555	6.278	ug/l	88
14) Allyl chloride	4.692	41	4494	2.125	ug/l #	51
15) Acrylonitrile	5.210	53	5650	12.162	ug/l #	28
16) Acetone	3.936	43	2796	7.215	ug/l #	74
17) Carbon Disulfide	4.192	76	110	Below Cal	#	75
18) Methyl Acetate	4.692	43	7308	4.801	ug/l #	56
19) Methyl tert-butyl Ether	5.216	73	475996	108.826	ug/l	96
20) Methylene Chloride	4.710	84	23366	Below Cal	#	87
22) Diisopropyl ether	6.106	45	13025	2.609	ug/l #	92
23) Vinyl Acetate	6.106	43	7569	2.566	ug/l #	75
25) 2-Butanone	6.996	43	1263	2.084	ug/l	96
29) Tetrahydrofuran	7.338	42	886	2.380	ug/l #	89
31) Cyclohexane	7.789	56	4434	Below Cal	#	20
36) 1,1-Dichloropropene	7.783	75	15539	6.568	ug/l #	51
38) Carbon Tetrachloride	7.783	117	19779	7.271	ug/l #	15
42) 1,2-Dichloroethane	8.234	62	9323	4.293	ug/l	96
43) Isopropyl Acetate	8.234	43	10552	4.212	ug/l #	72
56) Ethyl methacrylate	10.289	69	2197	1.076	ug/l #	70
59) 2-Hexanone	10.953	43	988	1.031	ug/l	80
76) 1,2,3-Trichloropropane	12.477	75	69655	48.910	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	69655	108.749	ug/l #	7

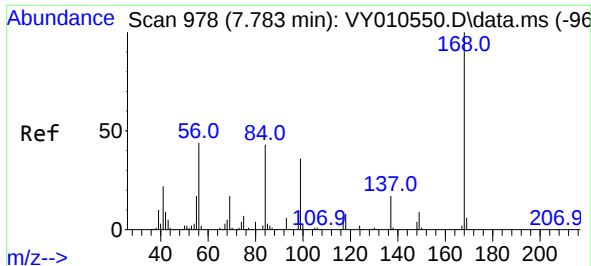
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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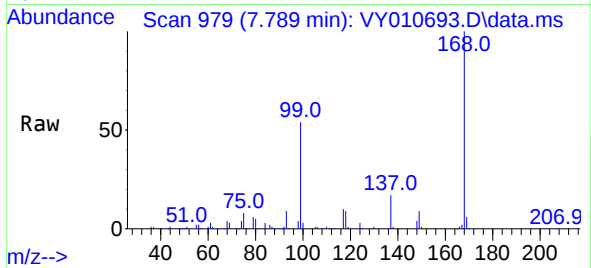
Quant Time: Sep 28 01:25:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 20 01:02:44 2022
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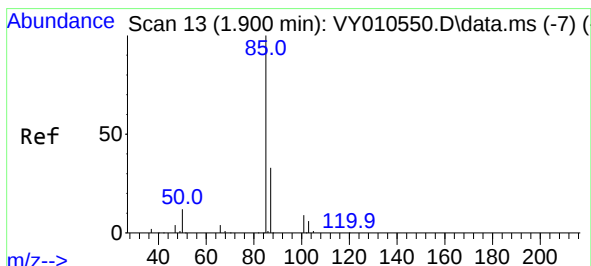
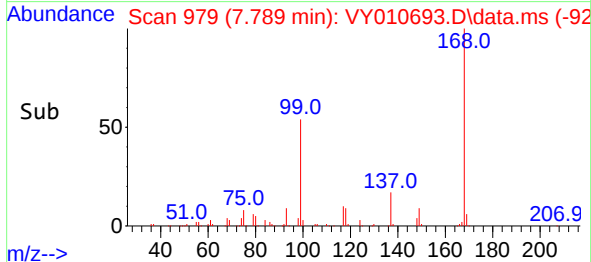
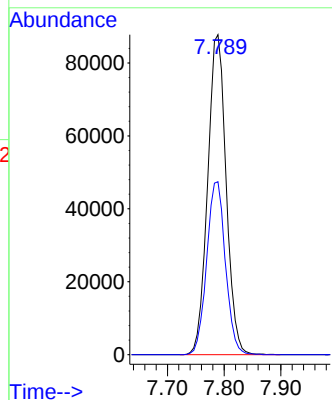


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

Instrument :
MSVOA_Y
ClientSampleId :

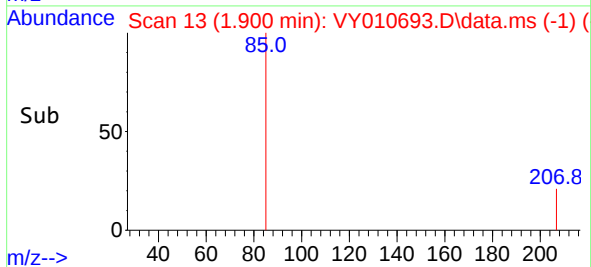
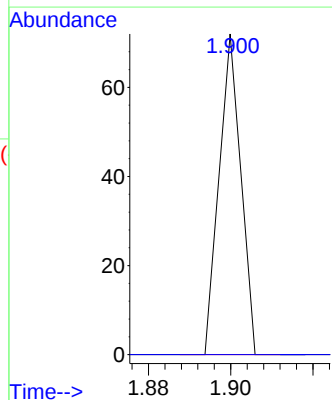
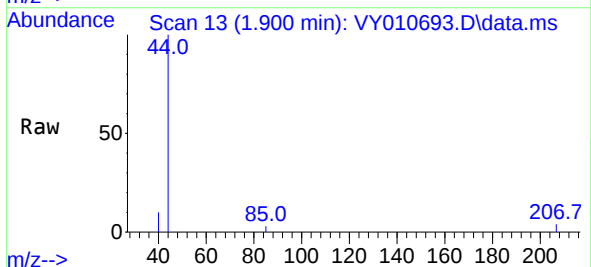


Tgt Ion:168 Resp: 198676
Ion Ratio Lower Upper
168 100
99 54.1 46.9 70.3

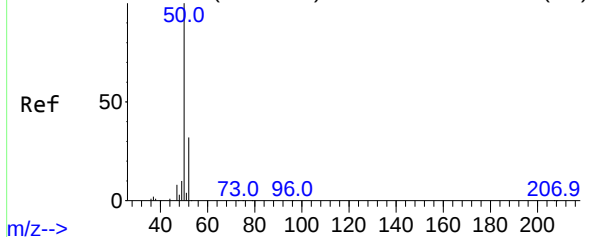


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

Tgt Ion: 85 Resp: 26
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



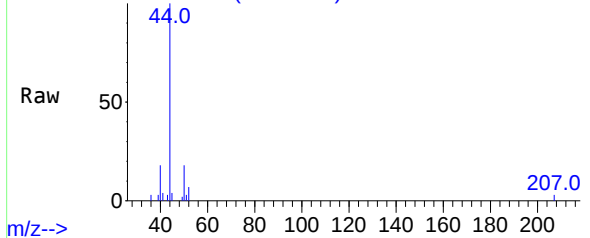
Abundance Scan 47 (2.107 min): VY010550.D\data.ms (-41)



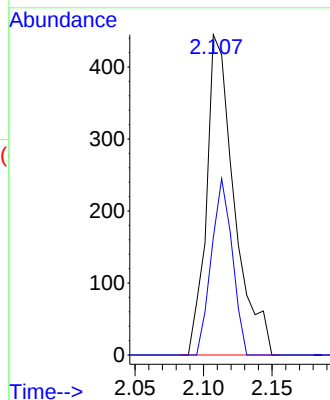
#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

Instrument :
MSVOA_Y
ClientSampleId :

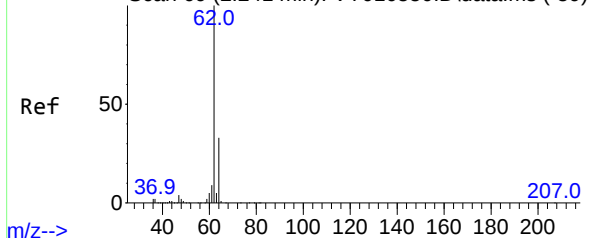
Abundance Scan 47 (2.107 min): VY010693.D\data.ms



Tgt Ion: 50 Resp: 626
Ion Ratio Lower Upper
50 100
52 36.6 24.6 37.0



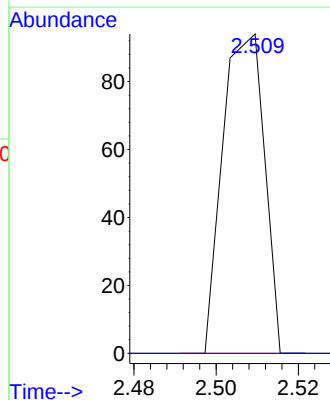
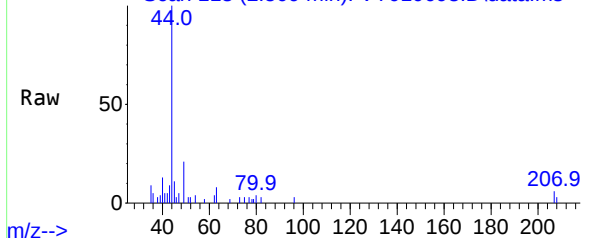
Abundance Scan 69 (2.241 min): VY010550.D\data.ms (-59)



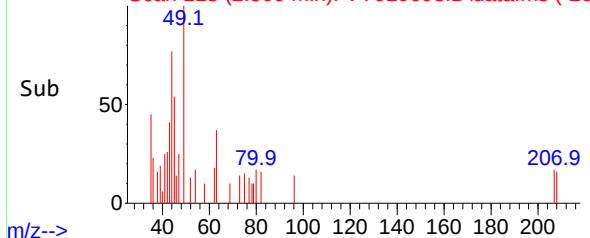
#4
Vinyl Chloride
Concen: Below Cal
RT: 2.509 min Scan# 113
Delta R.T. 0.268 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

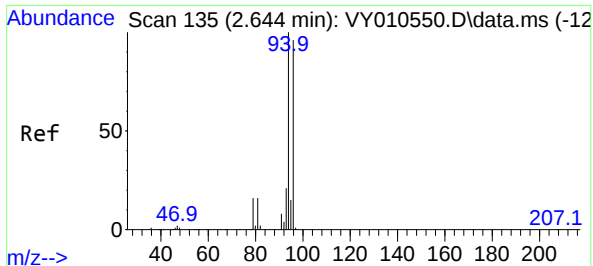
Tgt Ion: 62 Resp: 66
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

Abundance Scan 113 (2.509 min): VY010693.D\data.ms



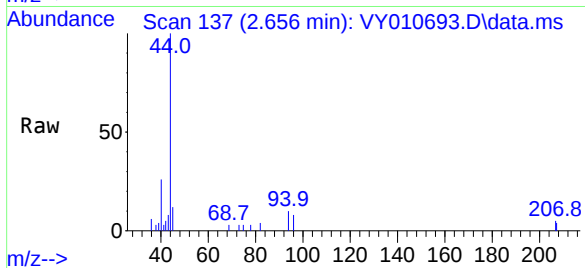
Abundance Scan 113 (2.509 min): VY010693.D\data.ms (-20)



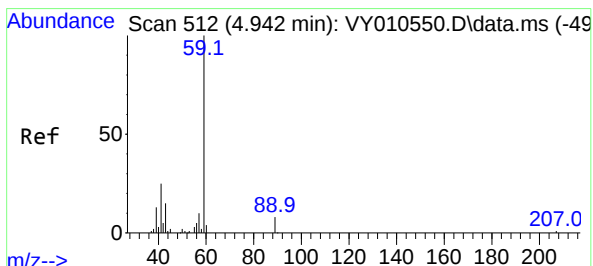
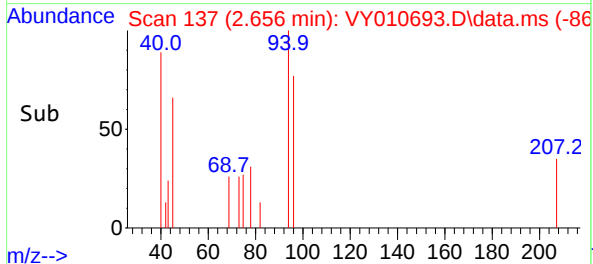
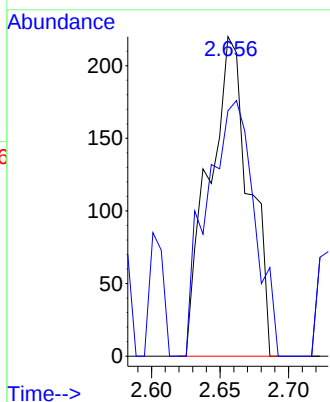


#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

Instrument :
MSVOA_Y
ClientSampleId :

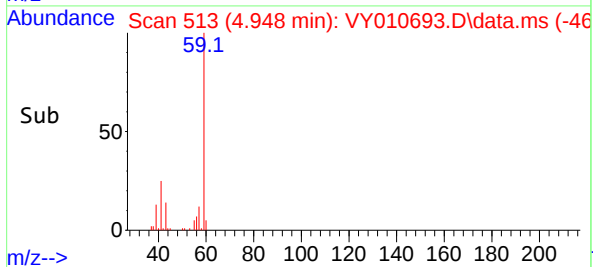
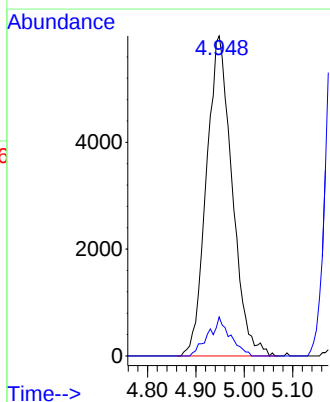
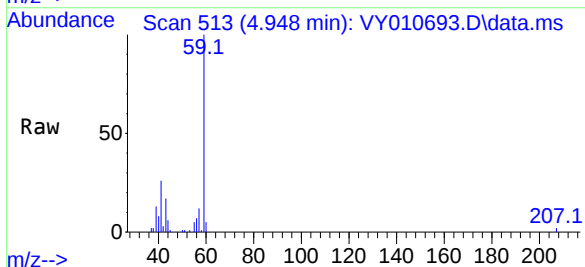


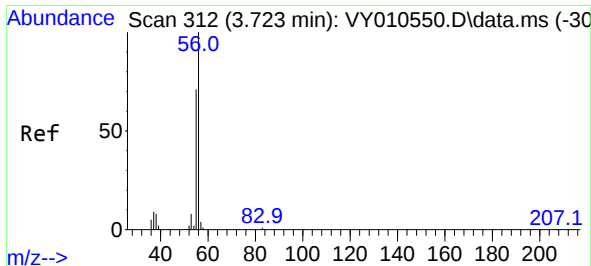
Tgt Ion: 94 Resp: 450
Ion Ratio Lower Upper
94 100
96 76.8 73.5 110.3



#11
Tert butyl alcohol
Concen: 124.563 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

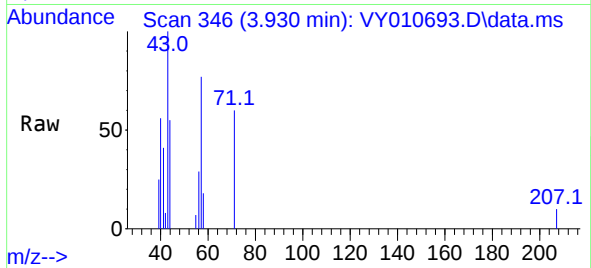
Tgt Ion: 59 Resp: 22134
Ion Ratio Lower Upper
59 100
57 10.3 6.4 9.6#



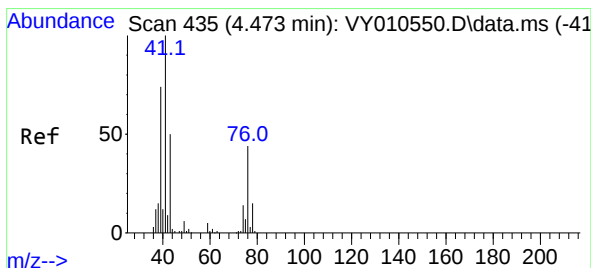
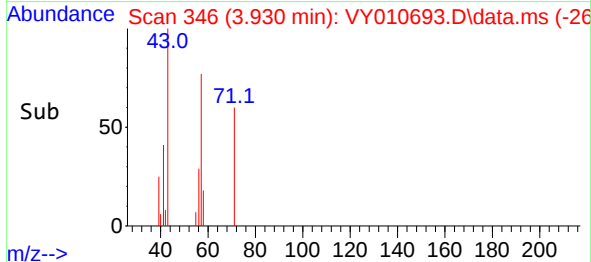
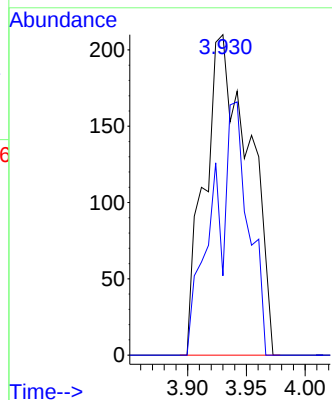


#13
Acrolein
Concen: 6.278 ug/l
RT: 3.930 min Scan# 346
Delta R.T. 0.207 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

Instrument :
MSVOA_Y
ClientSampleId :

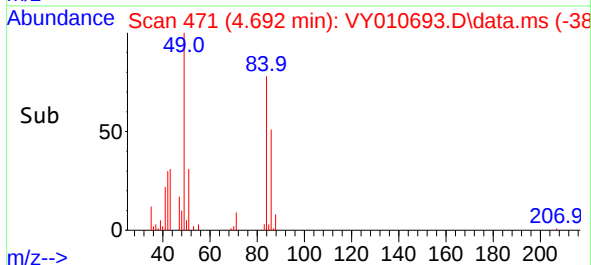
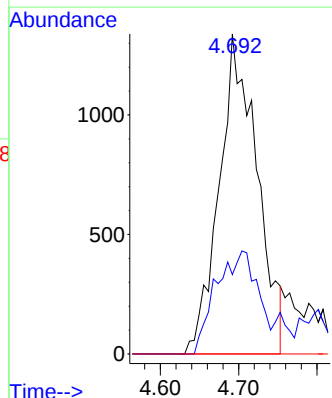
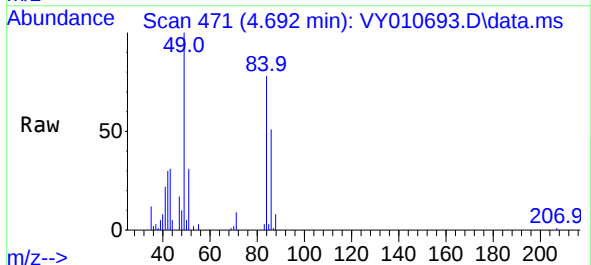


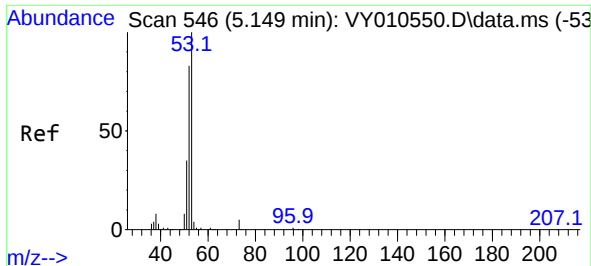
Tgt Ion: 56 Resp: 555
Ion Ratio Lower Upper
56 100
55 61.6 57.6 86.4



#14
Allyl chloride
Concen: 2.125 ug/l
RT: 4.692 min Scan# 471
Delta R.T. 0.219 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

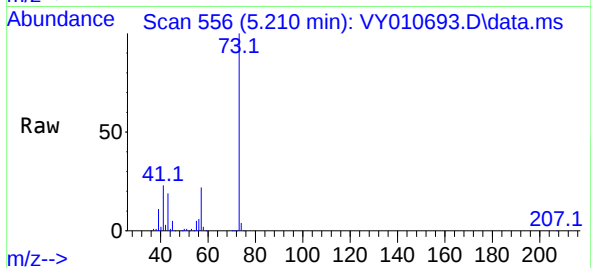
Tgt Ion: 41 Resp: 4494
Ion Ratio Lower Upper
41 100
39 35.6 58.8 88.2#
76 0.0 25.1 37.7#



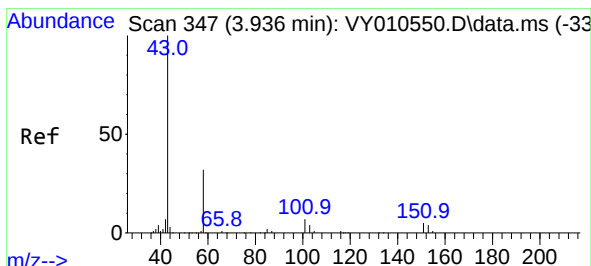
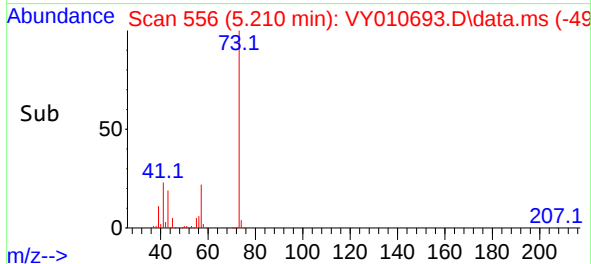
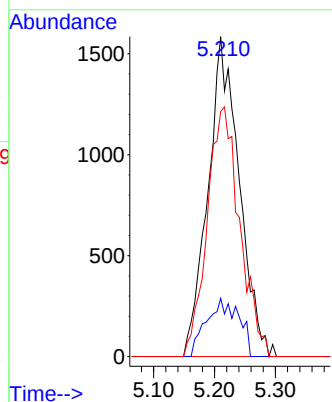


#15
Acrylonitrile
Concen: 12.162 ug/l
RT: 5.210 min Scan# 51
Delta R.T. 0.061 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

Instrument :
MSVOA_Y
ClientSampleId :

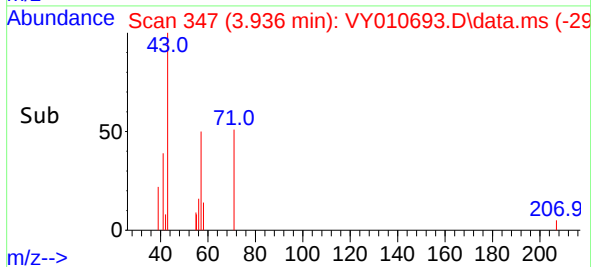
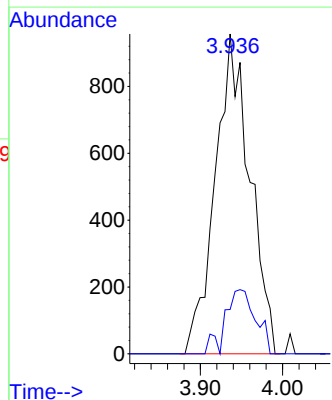
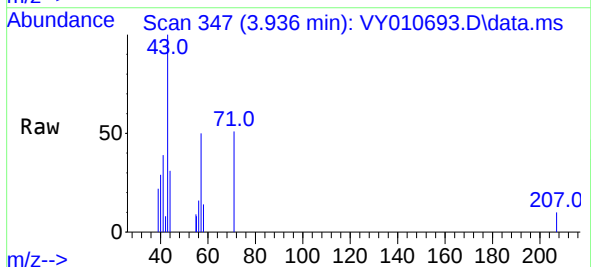


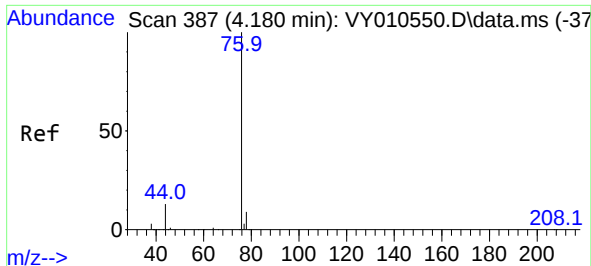
Tgt Ion: 53 Resp: 5650
Ion Ratio Lower Upper
53 100
52 18.5 67.0 100.4#
51 81.1 29.8 44.6#



#16
Acetone
Concen: 7.215 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.000 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

Tgt Ion: 43 Resp: 2796
Ion Ratio Lower Upper
43 100
58 13.9 22.0 33.0#

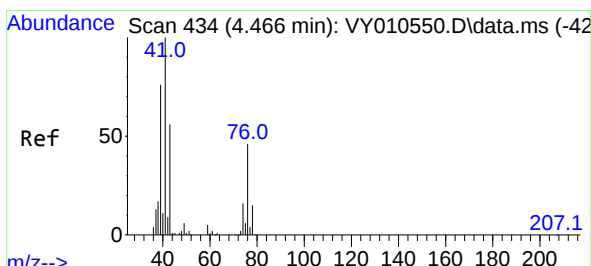
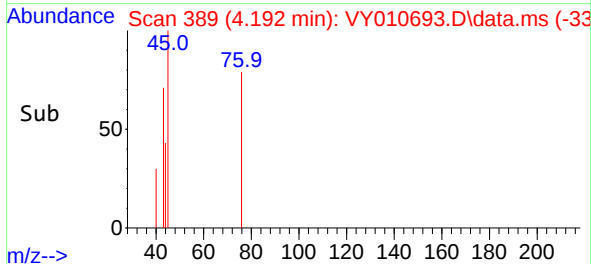
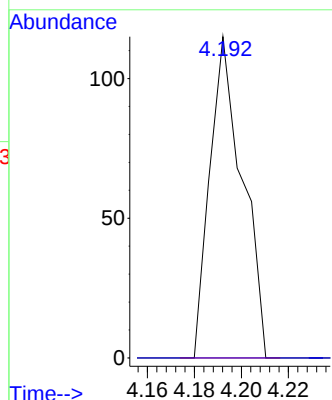
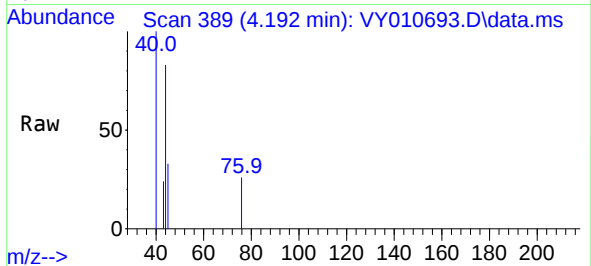




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

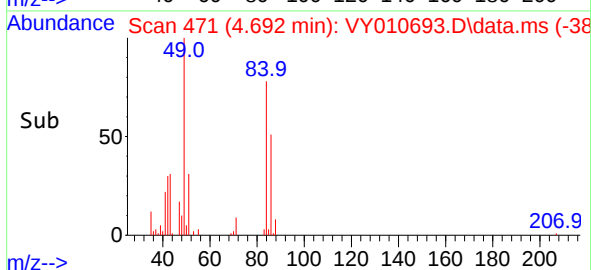
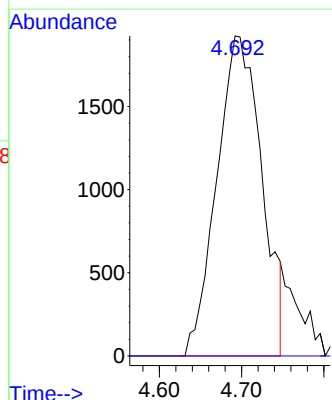
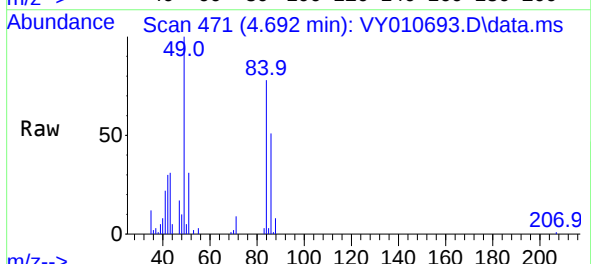
Instrument :
MSVOA_Y
ClientSampleId :

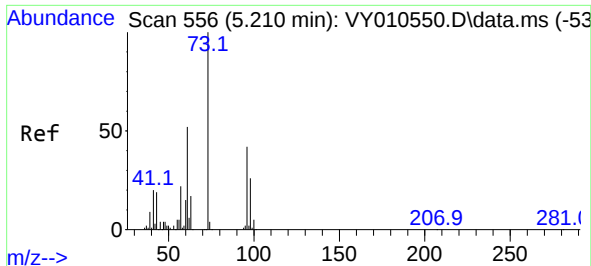
Tgt Ion: 76 Resp: 110
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 4.801 ug/l
RT: 4.692 min Scan# 471
Delta R.T. 0.226 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

Tgt Ion: 43 Resp: 7308
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#19

Methyl tert-butyl Ether

Concen: 108.826 ug/l

RT: 5.216 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY010693.D

Acq: 27 Sep 2022 13:21

Instrument :

MSVOA_Y

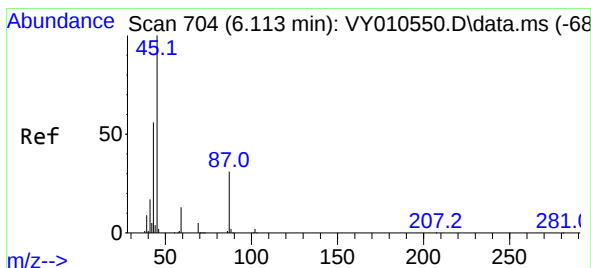
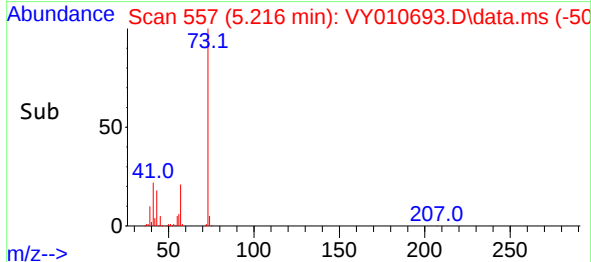
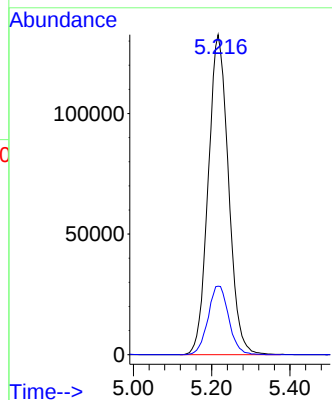
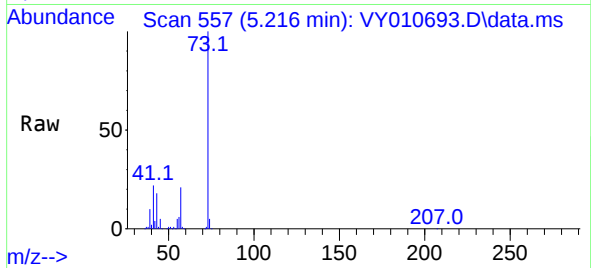
ClientSampleId :

Tgt Ion: 73 Resp: 475996

Ion Ratio Lower Upper

73 100

57 21.4 18.6 27.8



#22

Diisopropyl ether

Concen: 2.609 ug/l

RT: 6.106 min Scan# 703

Delta R.T. -0.007 min

Lab File: VY010693.D

Acq: 27 Sep 2022 13:21

Tgt Ion: 45 Resp: 13025

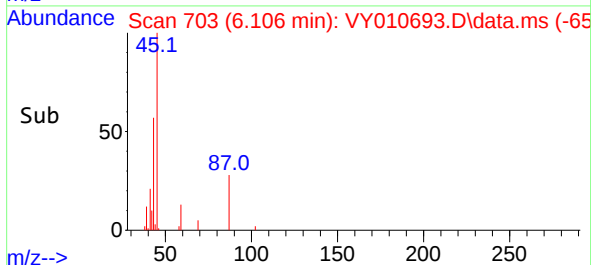
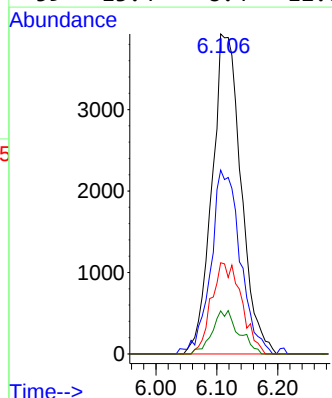
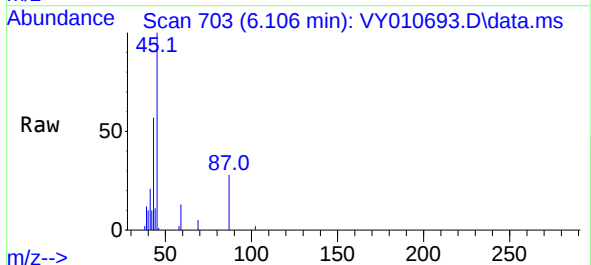
Ion Ratio Lower Upper

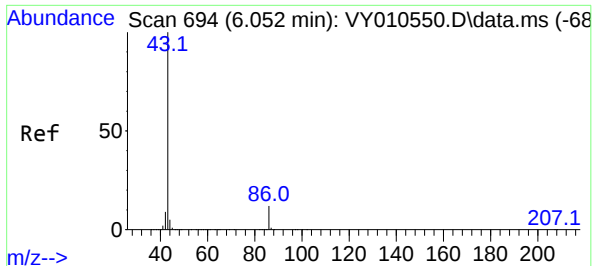
45 100

43 55.8 49.3 73.9

87 28.5 19.2 28.8

59 13.4 8.4 12.6#

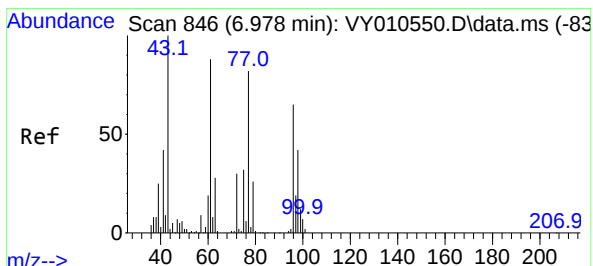
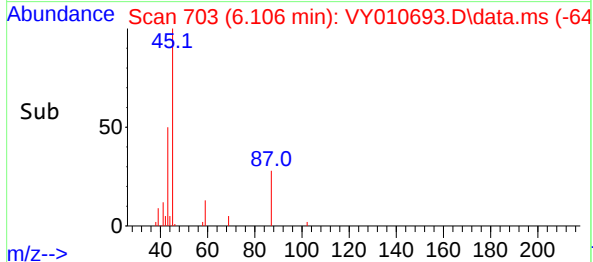
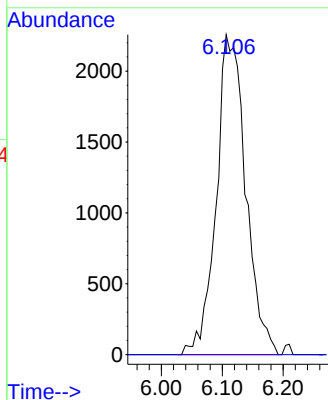
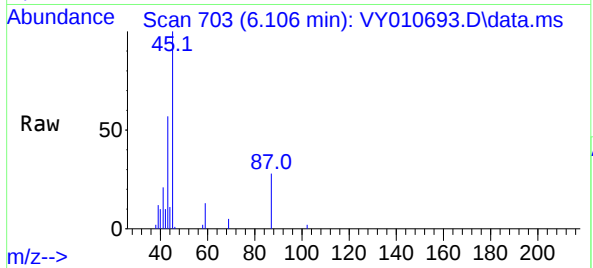




#23
 Vinyl Acetate
 Concen: 2.566 ug/l
 RT: 6.106 min Scan# 703
 Delta R.T. 0.054 min
 Lab File: VY010693.D
 Acq: 27 Sep 2022 13:21

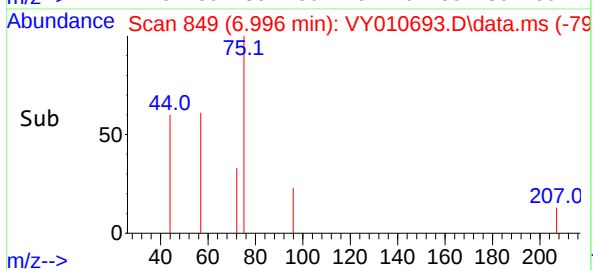
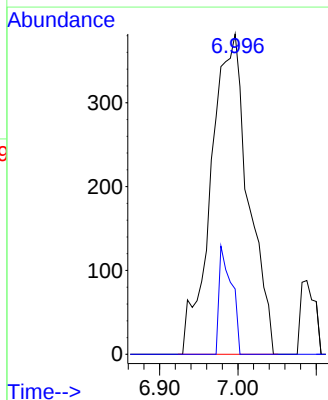
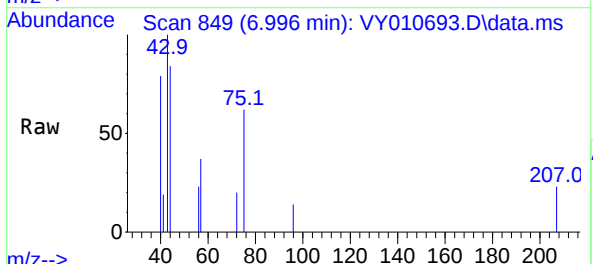
Instrument :
 MSVOA_Y
 ClientSampleId :

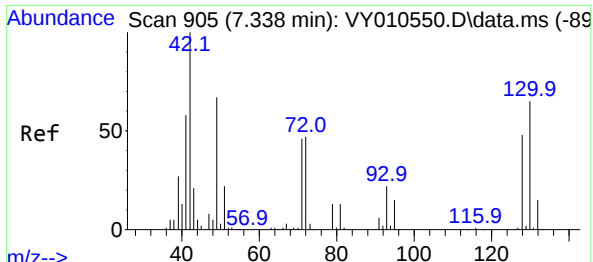
Tgt Ion: 43 Resp: 7569
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 2.084 ug/l
 RT: 6.996 min Scan# 849
 Delta R.T. 0.018 min
 Lab File: VY010693.D
 Acq: 27 Sep 2022 13:21

Tgt Ion: 43 Resp: 1263
 Ion Ratio Lower Upper
 43 100
 72 20.4 17.7 26.5

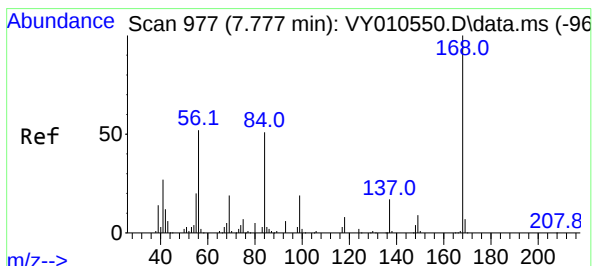
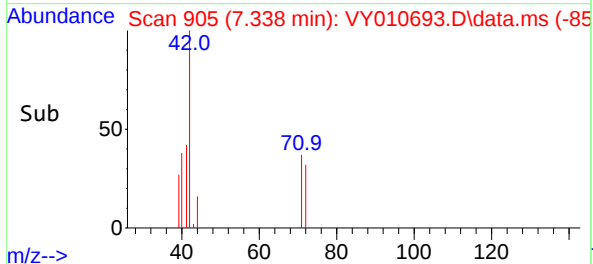
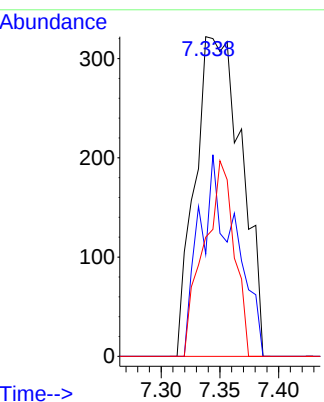
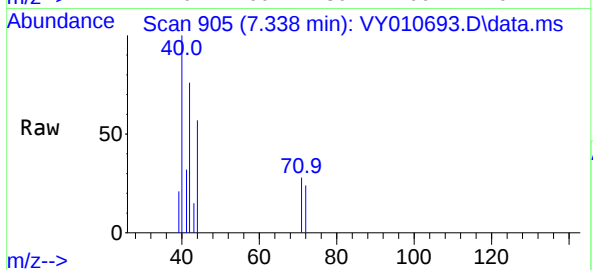




#29
Tetrahydrofuran
Concen: 2.380 ug/l
RT: 7.338 min Scan# 905
Delta R.T. -0.000 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

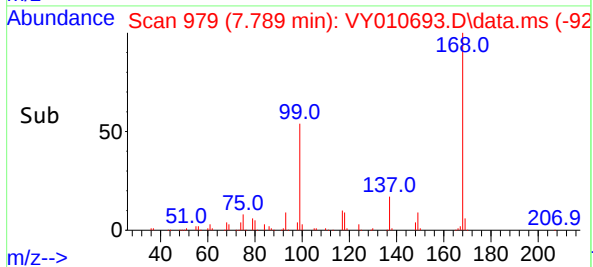
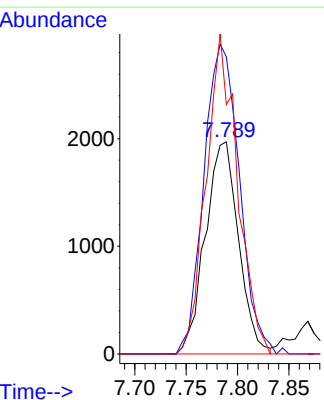
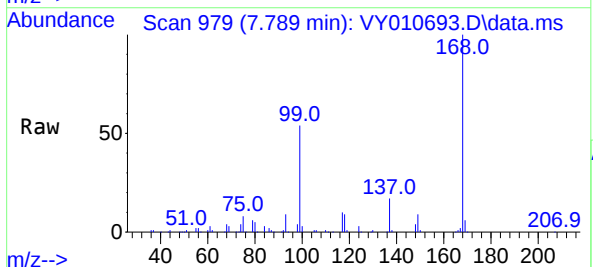
Instrument :
MSVOA_Y
ClientSampleId :

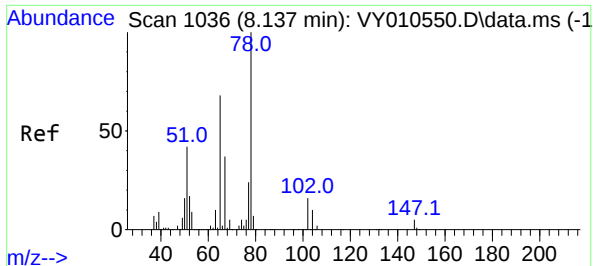
Tgt Ion:	42	Resp:	886
Ion	Ratio	Lower	Upper
42	100		
72	47.5	30.3	45.5#
71	39.7	29.0	43.4



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

Tgt Ion:	56	Resp:	4434
Ion	Ratio	Lower	Upper
56	100		
69	140.1	26.7	40.1#
84	117.6	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 56.099 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY010693.D

Acq: 27 Sep 2022 13:21

Instrument :

MSVOA_Y

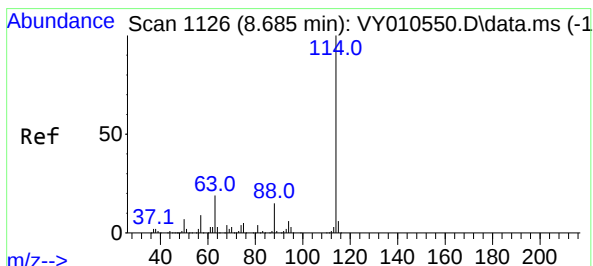
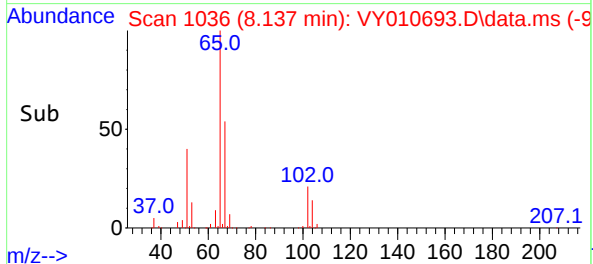
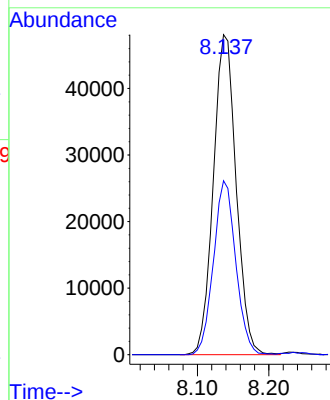
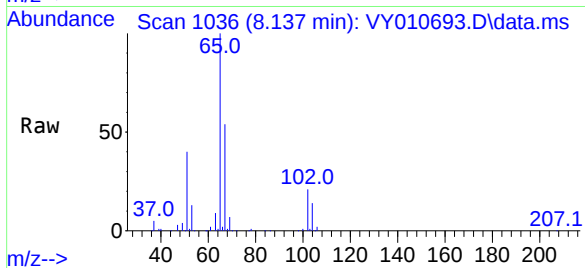
ClientSampleId :

Tgt Ion: 65 Resp: 106605

Ion Ratio Lower Upper

65 100

67 53.1 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010693.D

Acq: 27 Sep 2022 13:21

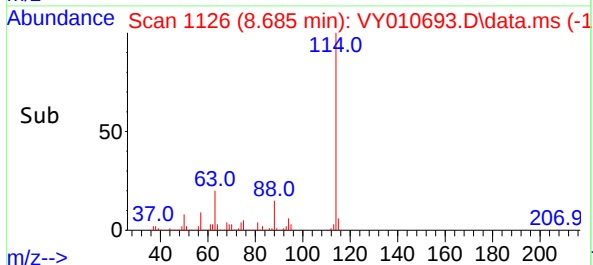
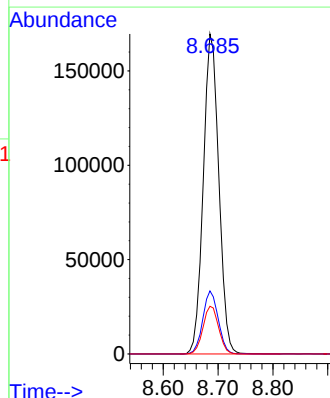
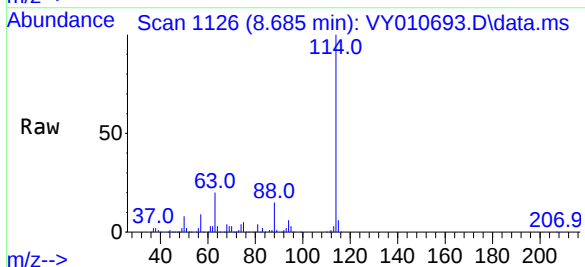
Tgt Ion: 114 Resp: 332719

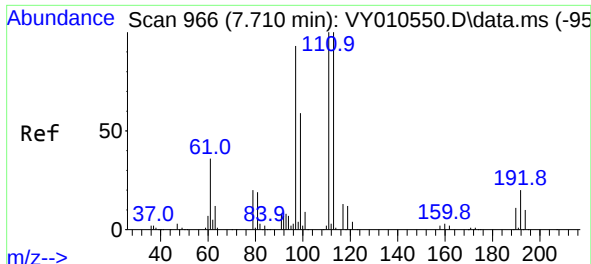
Ion Ratio Lower Upper

114 100

63 19.7 0.0 43.2

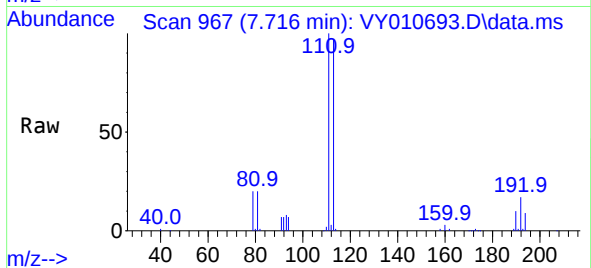
88 14.9 0.0 31.8



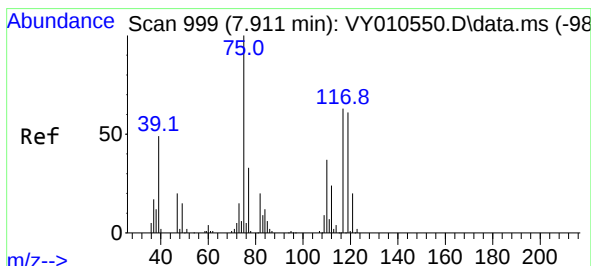
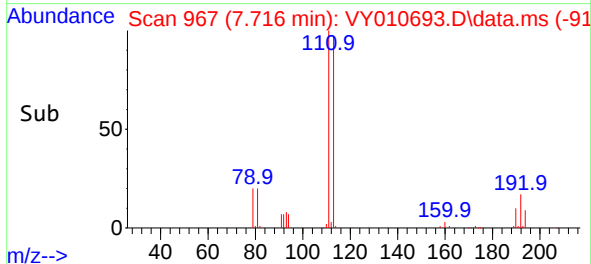
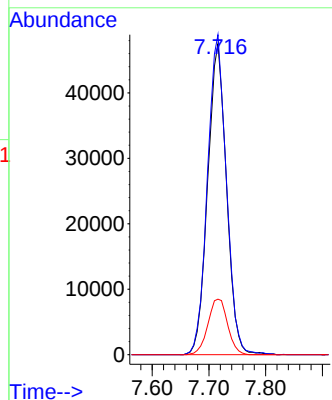


#35
Dibromofluoromethane
Concen: 51.553 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

Instrument :
MSVOA_Y
ClientSampleId :

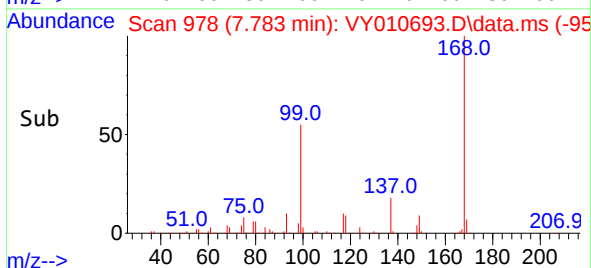
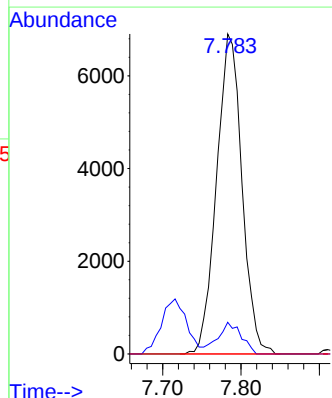
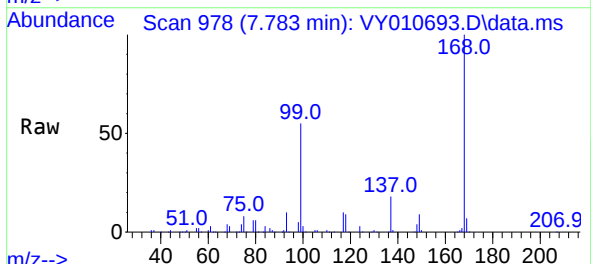


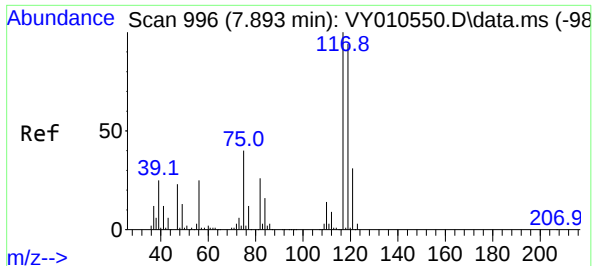
Tgt Ion:113 Resp: 109468
Ion Ratio Lower Upper
113 100
111 103.5 82.6 124.0
192 18.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 6.568 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

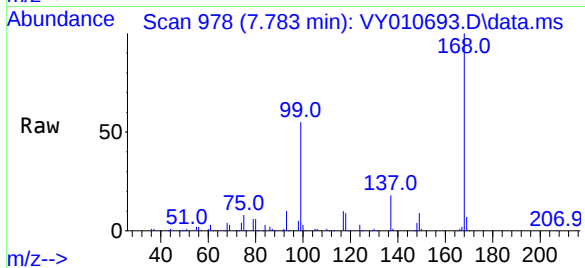
Tgt Ion: 75 Resp: 15539
Ion Ratio Lower Upper
75 100
110 9.0 17.1 51.2#
77 0.0 24.4 36.6#



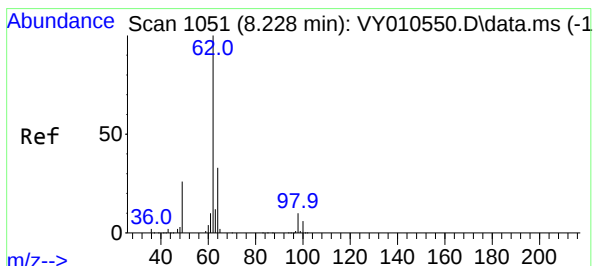
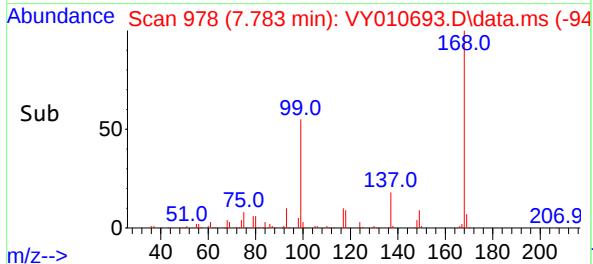
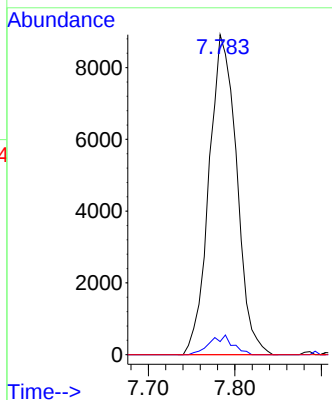


#38
Carbon Tetrachloride
Concen: 7.271 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

Instrument :
MSVOA_Y
ClientSampleId :

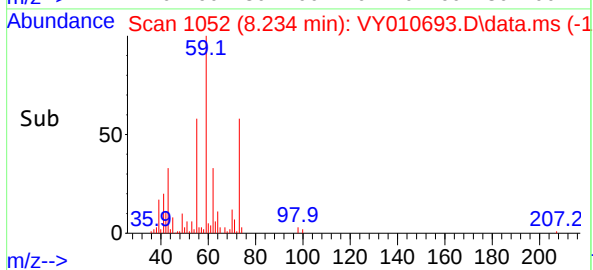
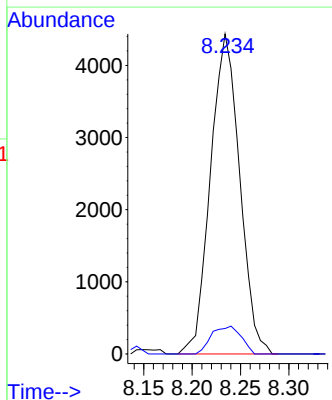
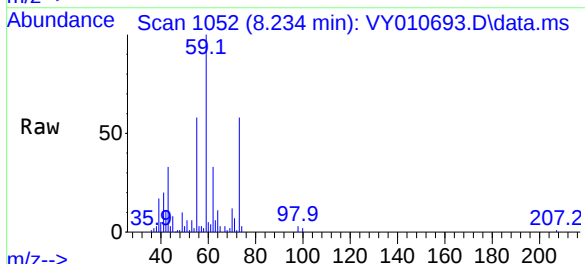


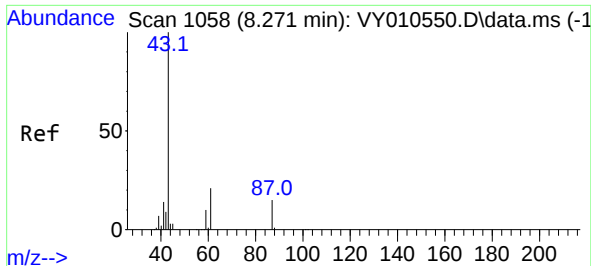
Tgt Ion:117 Resp: 19779
Ion Ratio Lower Upper
117 100
119 4.1 77.9 116.9#
121 0.0 24.8 37.2#



#42
1,2-Dichloroethane
Concen: 4.293 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. 0.006 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

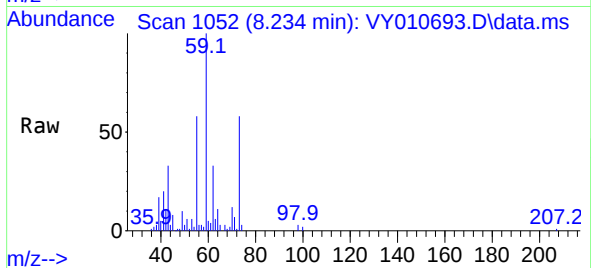
Tgt Ion: 62 Resp: 9323
Ion Ratio Lower Upper
62 100
98 8.8 0.0 14.8



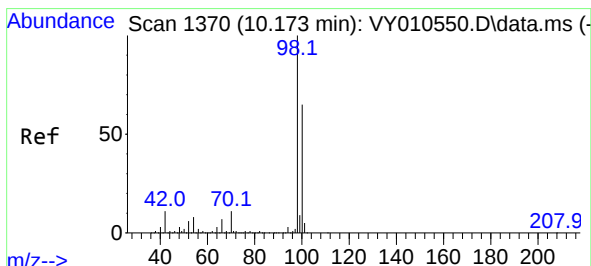
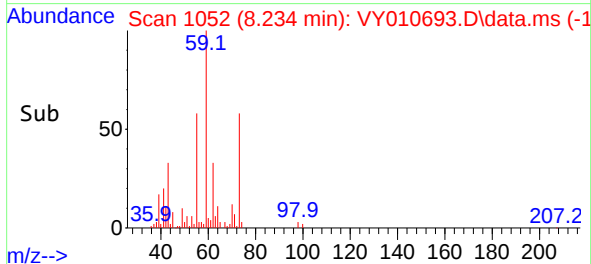
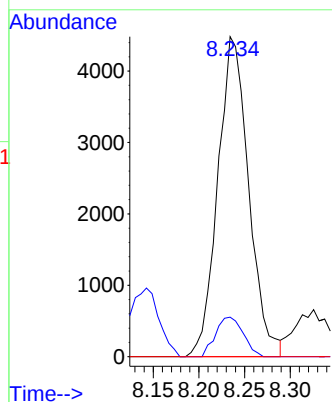


#43
Isopropyl Acetate
Concen: 4.212 ug/l
RT: 8.234 min Scan# 10552
Delta R.T. -0.037 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

Instrument :
MSVOA_Y
ClientSampleId :

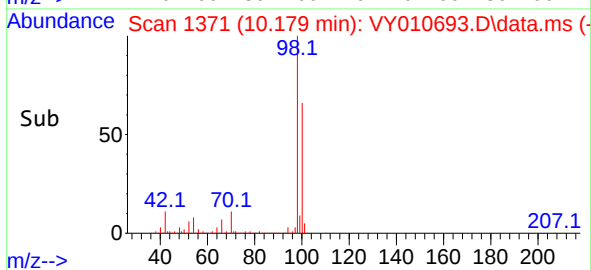
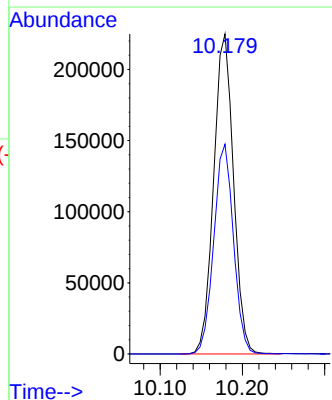
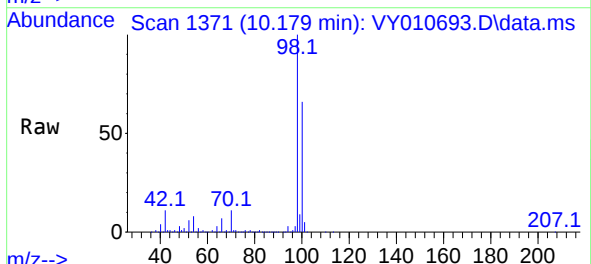


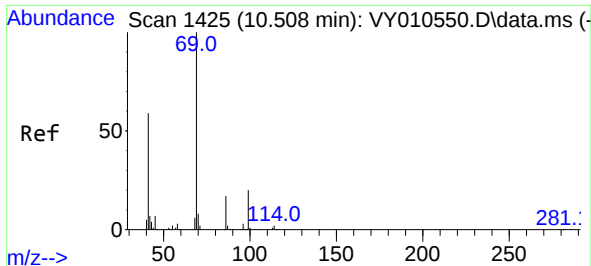
Tgt Ion: 43 Resp: 10552
Ion Ratio Lower Upper
43 100
61 11.0 20.2 30.2#
87 0.0 8.9 13.3#



#50
Toluene-d8
Concen: 48.236 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

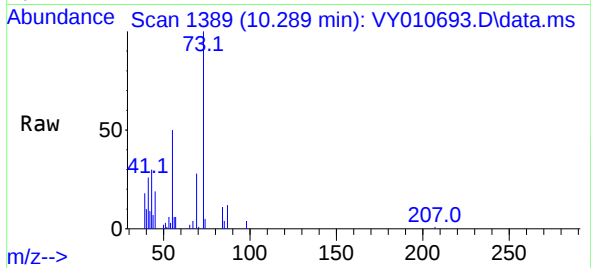
Tgt Ion: 98 Resp: 377619
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2



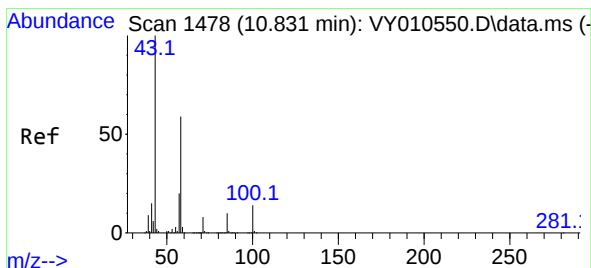
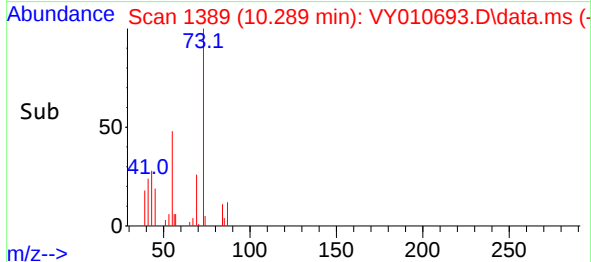
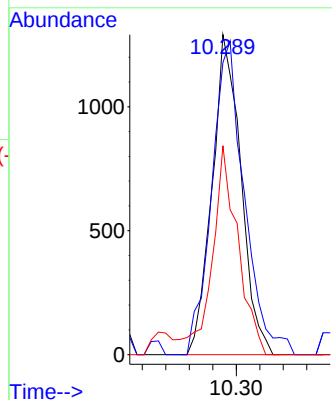


#56
Ethyl methacrylate
Concen: 1.076 ug/l
RT: 10.289 min Scan# 11
Delta R.T. -0.219 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

Instrument :
MSVOA_Y
ClientSampleId :

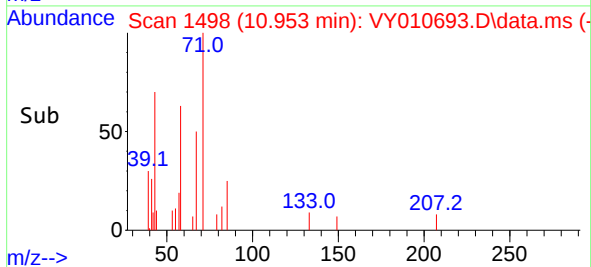
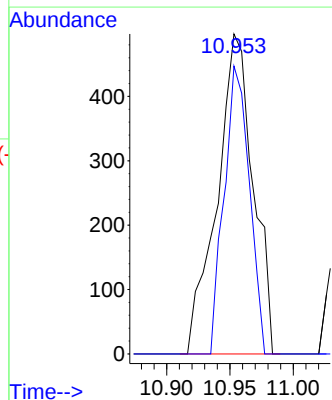
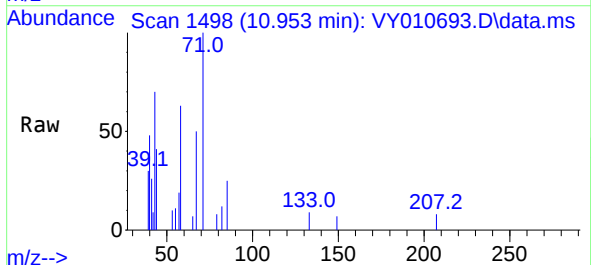


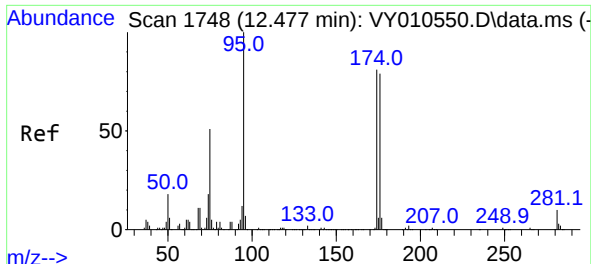
Tgt Ion: 69 Resp: 2197
Ion Ratio Lower Upper
69 100
41 110.8 63.4 95.0#
39 57.7 35.8 53.8#



#59
2-Hexanone
Concen: 1.031 ug/l
RT: 10.953 min Scan# 1498
Delta R.T. 0.122 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

Tgt Ion: 43 Resp: 988
Ion Ratio Lower Upper
43 100
58 62.7 24.4 73.4

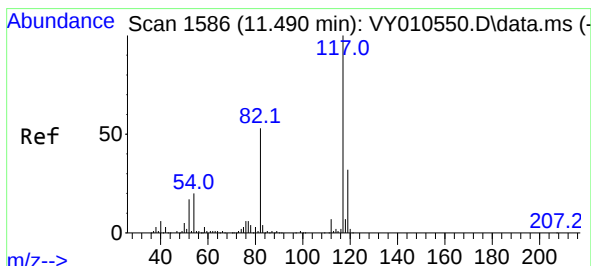
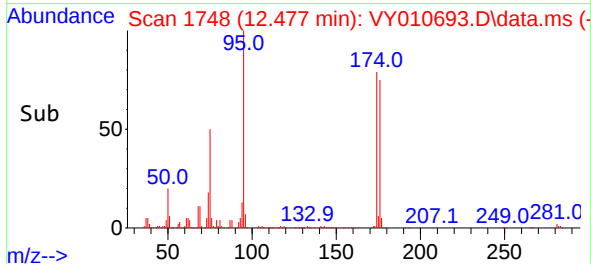
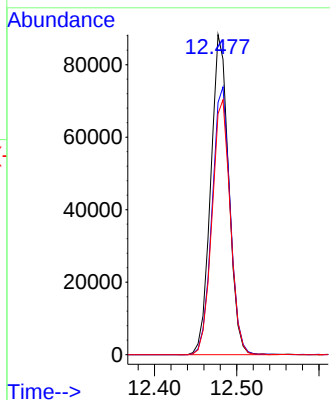
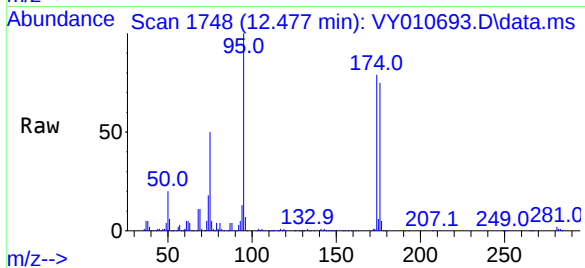




#62
4-Bromofluorobenzene
Concen: 45.733 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

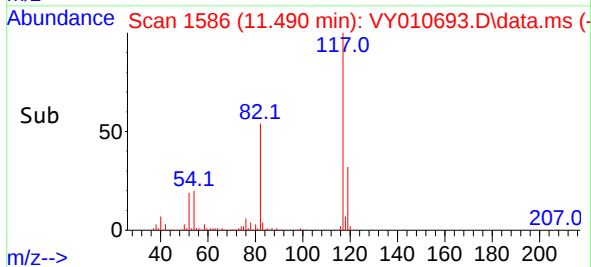
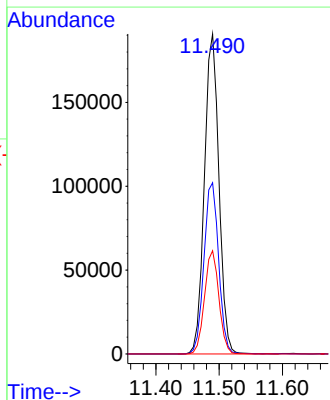
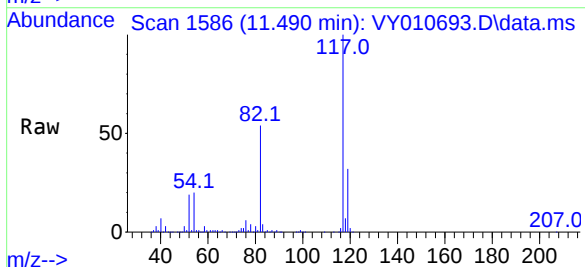
Instrument :
MSVOA_Y
ClientSampleId :

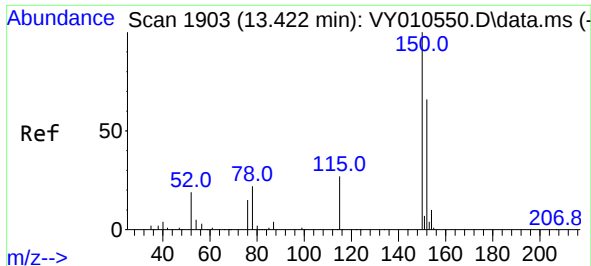
Tgt Ion: 95 Resp: 133868
Ion Ratio Lower Upper
95 100
174 84.5 0.0 177.0
176 80.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

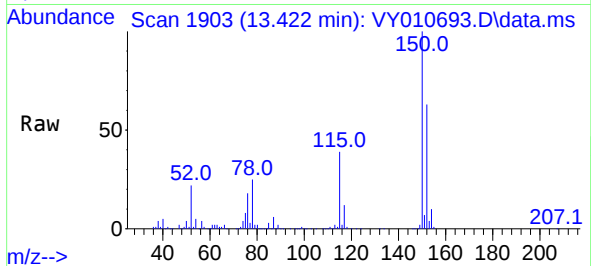
Tgt Ion: 117 Resp: 305064
Ion Ratio Lower Upper
117 100
82 53.5 43.0 64.4
119 32.3 25.4 38.0



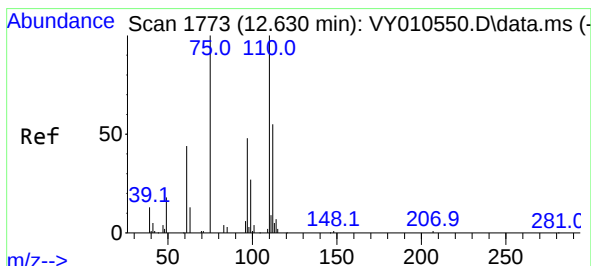
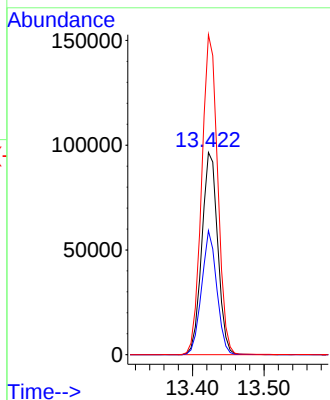
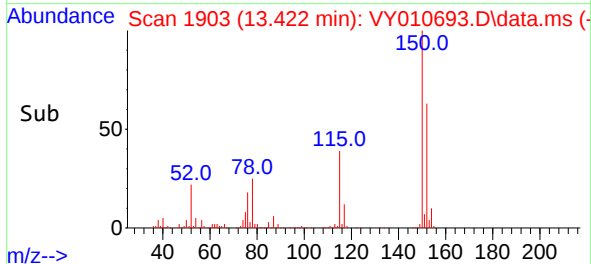


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21

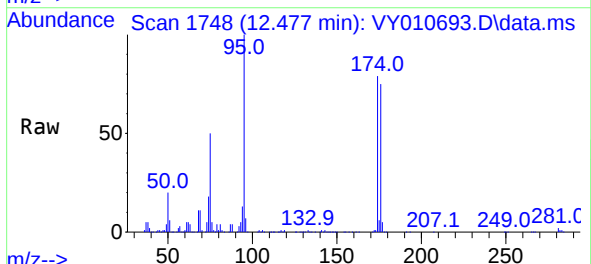
Instrument :
MSVOA_Y
ClientSampleId :



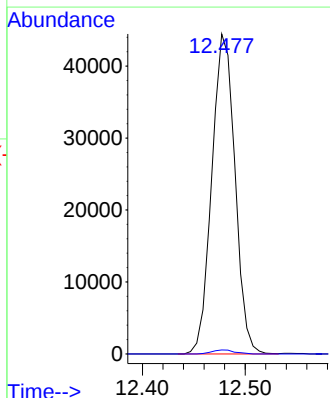
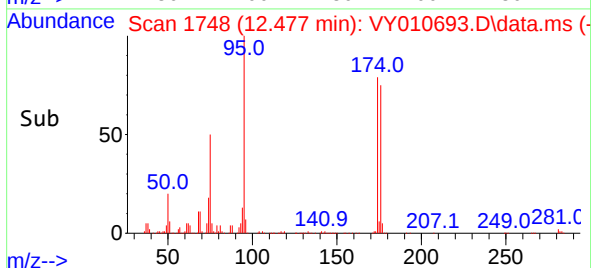
Tgt Ion:152 Resp: 149213
Ion Ratio Lower Upper
152 100
115 58.6 28.2 84.7
150 159.3 0.0 347.6

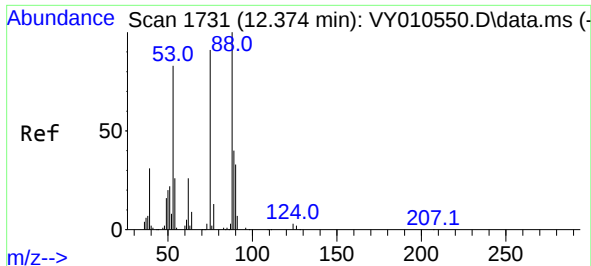


#76
1,2,3-Trichloropropane
Concen: 48.910 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010693.D
Acq: 27 Sep 2022 13:21



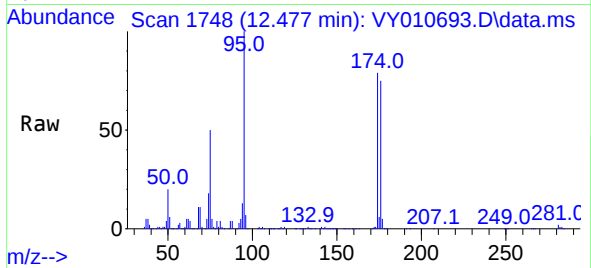
Tgt Ion: 75 Resp: 69655
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.749 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010693.D
 Acq: 27 Sep 2022 13:21

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 69655
 Ion Ratio Lower Upper
 75 100
 53 0.2 85.3 127.9#
 89 0.0 37.0 55.4#

