

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092822\
 Data File : VY010711.D
 Acq On : 28 Sep 2022 13:13
 Operator : KP/MD
 Sample : N4738-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1675

Quant Time: Sep 29 01:12:37 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)

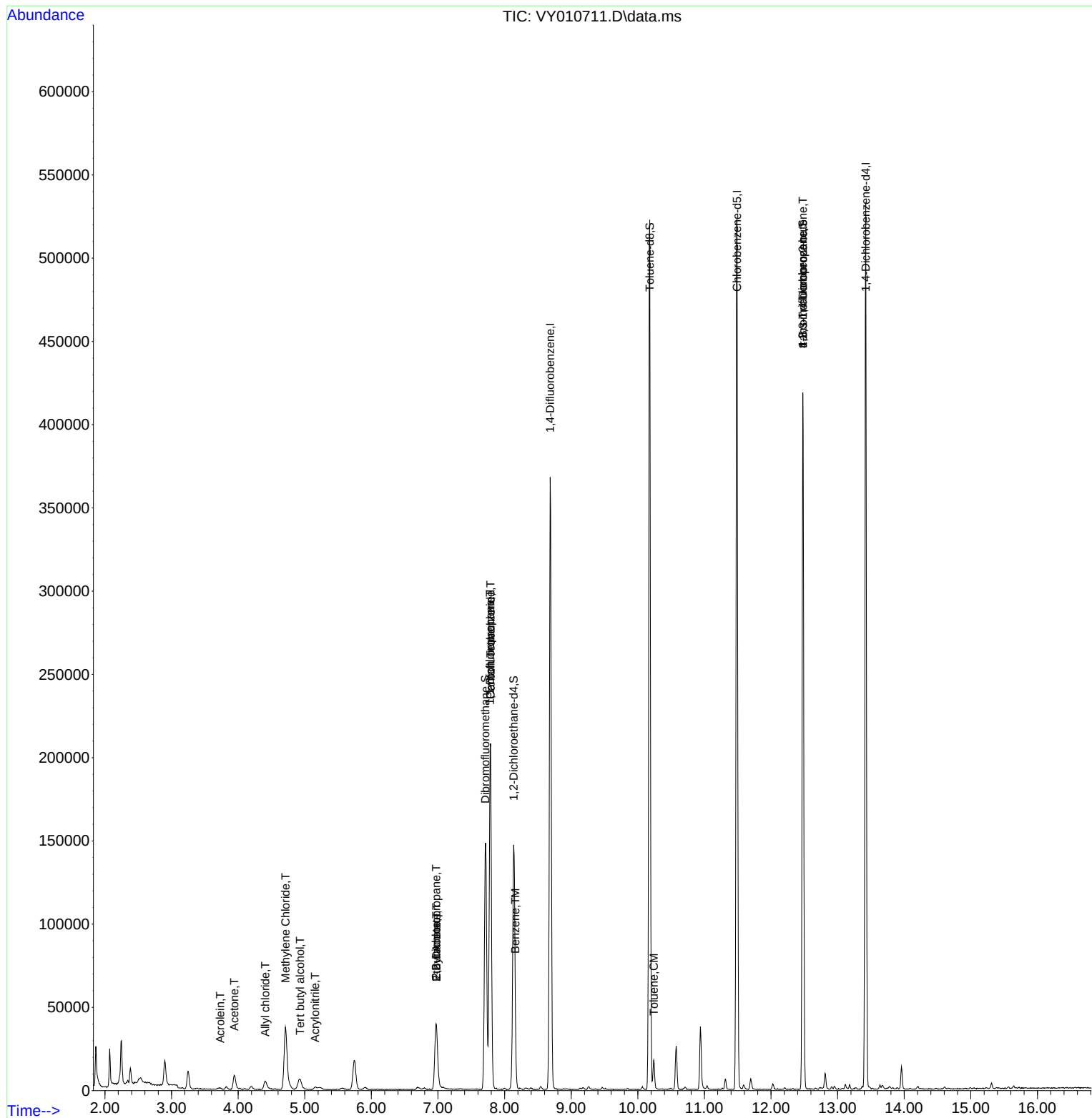
Internal Standards						
1) Pentafluorobenzene	7.789	168	159401	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	310466	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	288737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	129262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	111452	73.101	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 146.200%	
35) Dibromofluoromethane	7.710	113	106972	53.988	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.980%	
50) Toluene-d8	10.179	98	341282	46.817	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.640%	
62) 4-Bromofluorobenzene	12.477	95	117084	42.687	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.380%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	1704	Below Cal		99
3) Chloromethane	2.119	50	637	Below Cal		96
4) Vinyl Chloride	2.400	62	58	Below Cal	#	43
5) Bromomethane	2.656	94	329	Below Cal		86
11) Tert butyl alcohol	4.930	59	7593	46.570	ug/l #	77
13) Acrolein	3.729	56	938	13.225	ug/l #	54
14) Allyl chloride	4.405	41	9486	5.590	ug/l #	40
15) Acrylonitrile	5.155	53	2054	5.511	ug/l	99
16) Acetone	3.942	43	14860	47.795	ug/l	90
17) Carbon Disulfide	4.192	76	1942	Below Cal		100
18) Methyl Acetate	4.466	43	223	Below Cal	#	56
20) Methylene Chloride	4.710	84	27794	6.468	ug/l	87
25) 2-Butanone	6.978	43	6474	13.312	ug/l	92
26) 2,2-Dichloropropane	6.972	77	3095	1.339	ug/l #	55
31) Cyclohexane	7.783	56	3909	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	13030	5.902	ug/l #	50
37) Ethyl Acetate	6.978	43	6474	5.077	ug/l #	64
38) Carbon Tetrachloride	7.789	117	16312	6.426	ug/l #	16
40) Benzene	8.161	78	11607	1.764	ug/l	98
52) Toluene	10.240	92	6827	1.585	ug/l	94
76) 1,2,3-Trichloropropane	12.477	75	62850	50.944	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	62850	113.270	ug/l #	7

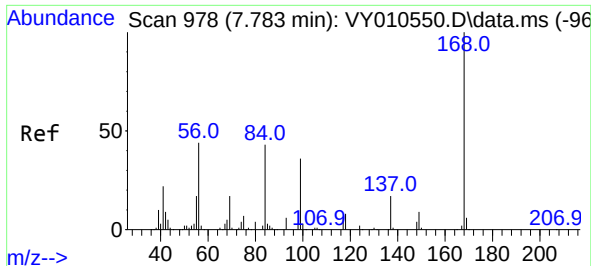
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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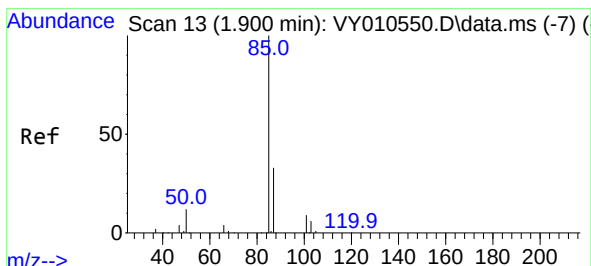
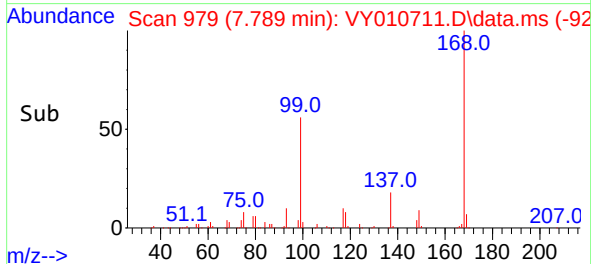
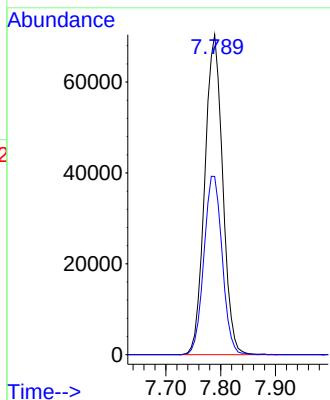
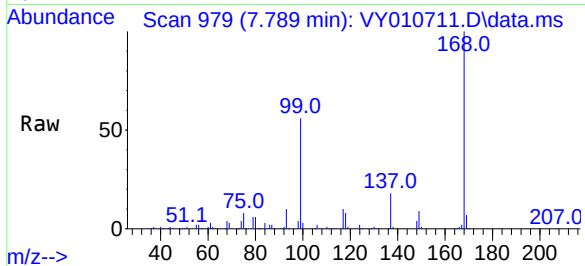




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

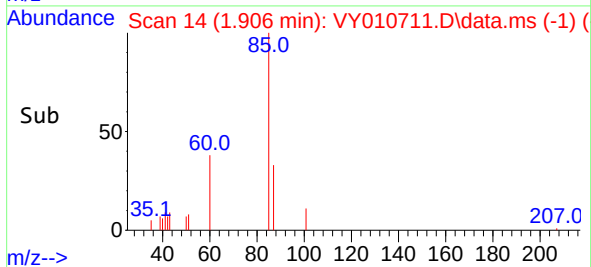
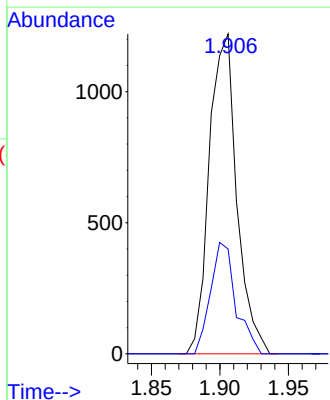
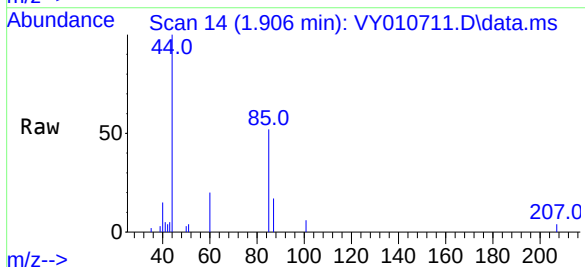
Instrument :
MSVOA_Y
ClientSampleId :
1675

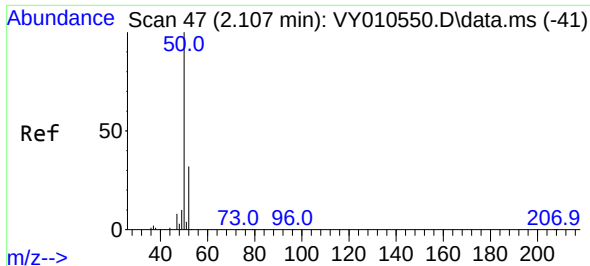
Tgt Ion:168 Resp: 159401
Ion Ratio Lower Upper
168 100
99 55.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

Tgt Ion: 85 Resp: 1704
Ion Ratio Lower Upper
85 100
87 32.8 16.1 48.2

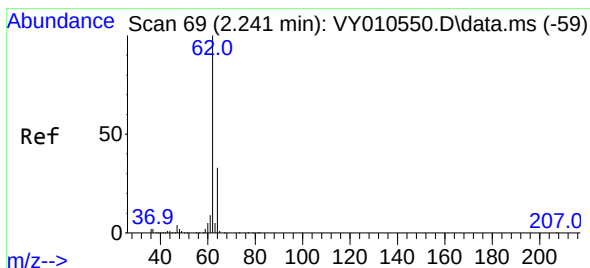
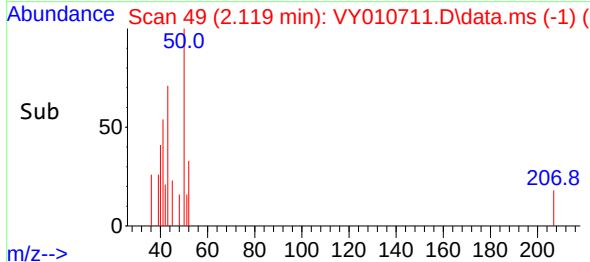
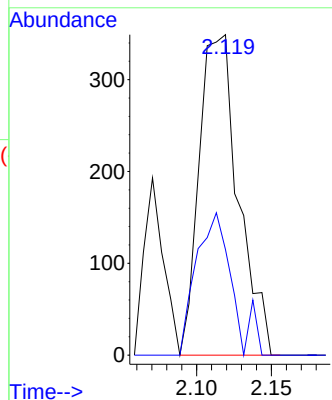
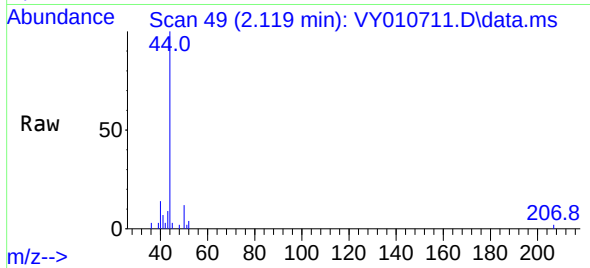




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.012 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

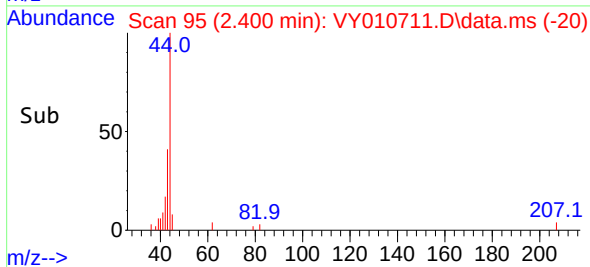
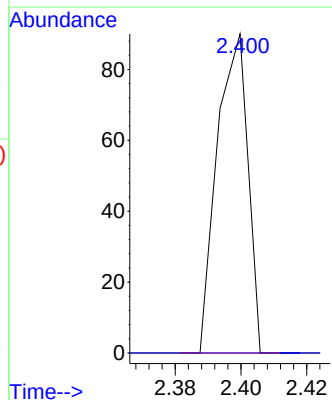
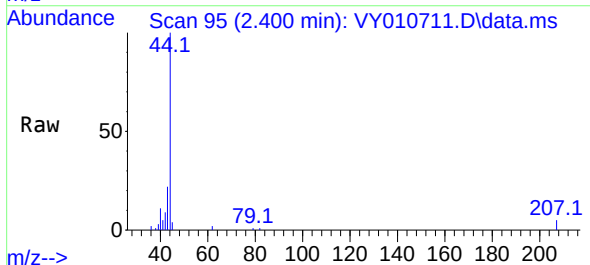
Instrument :
MSVOA_Y
ClientSampleId :
1675

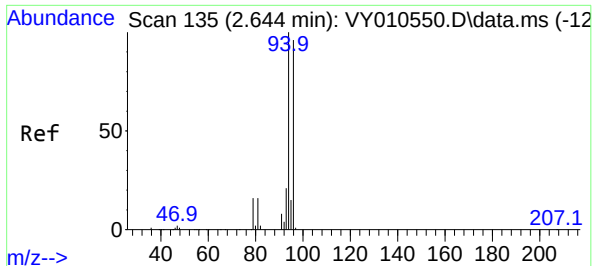
Tgt Ion: 50 Resp: 637
Ion Ratio Lower Upper
50 100
52 33.0 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.400 min Scan# 95
Delta R.T. 0.159 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

Tgt Ion: 62 Resp: 58
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

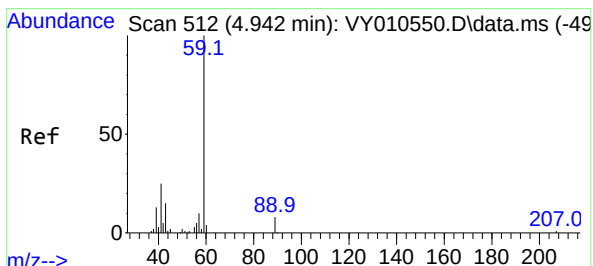
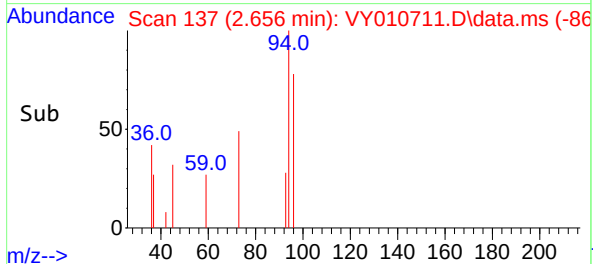
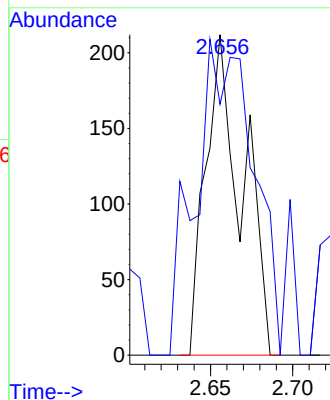
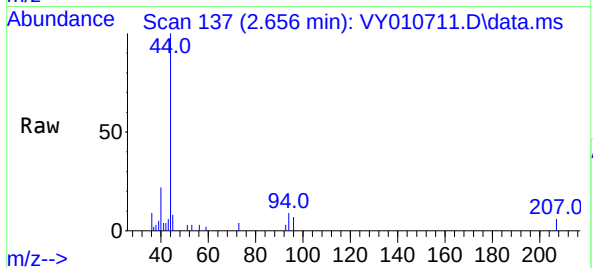




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

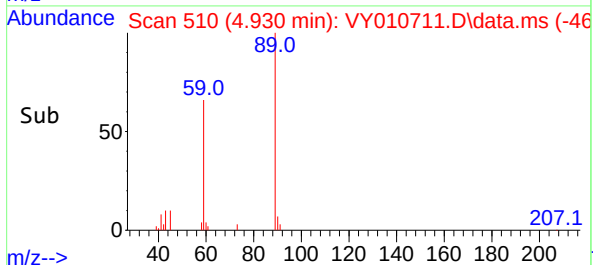
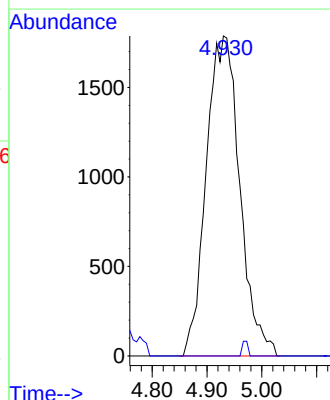
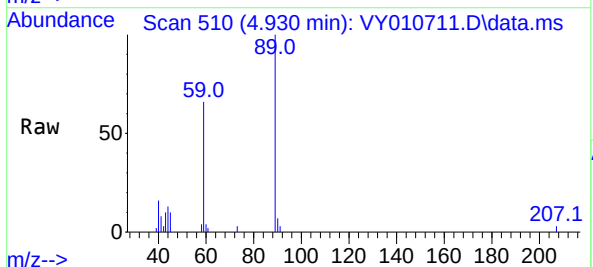
Instrument :
MSVOA_Y
ClientSampleId :
1675

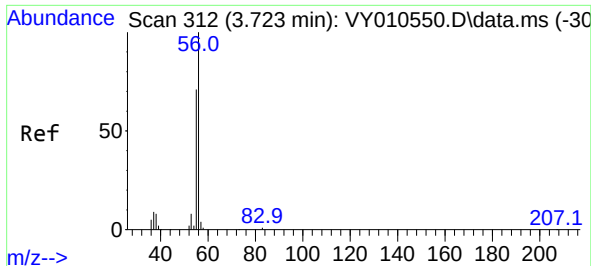
Tgt Ion: 94 Resp: 329
Ion Ratio Lower Upper
94 100
96 78.3 73.5 110.3



#11
Tert butyl alcohol
Concen: 46.570 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.012 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

Tgt Ion: 59 Resp: 7593
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#13

Acrolein

Concen: 13.225 ug/l

RT: 3.729 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY010711.D

Acq: 28 Sep 2022 13:13

Instrument :

MSVOA_Y

ClientSampleId :

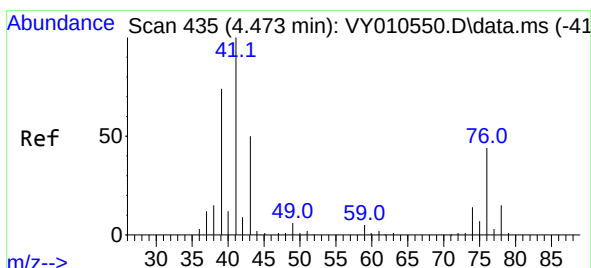
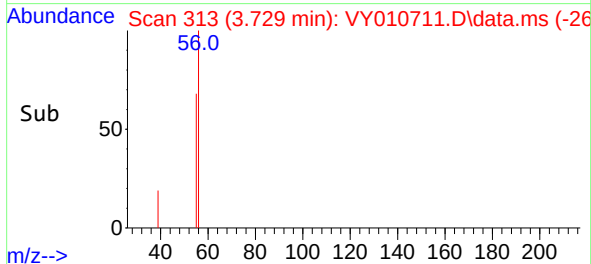
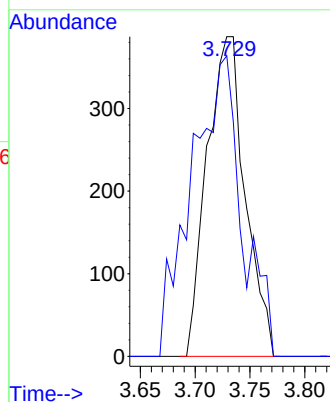
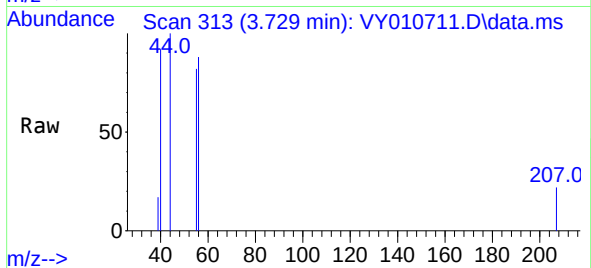
1675

Tgt Ion: 56 Resp: 938

Ion Ratio Lower Upper

56 100

55 110.1 57.6 86.4#



#14

Allyl chloride

Concen: 5.590 ug/l

RT: 4.405 min Scan# 424

Delta R.T. -0.068 min

Lab File: VY010711.D

Acq: 28 Sep 2022 13:13

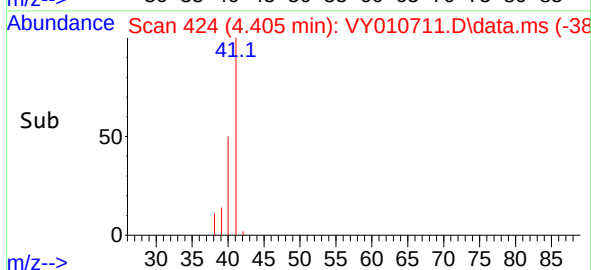
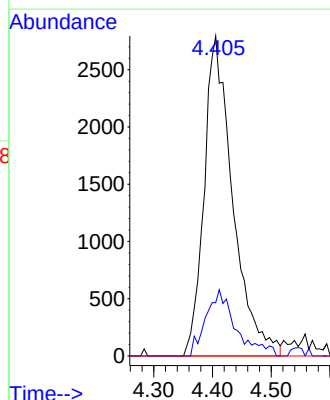
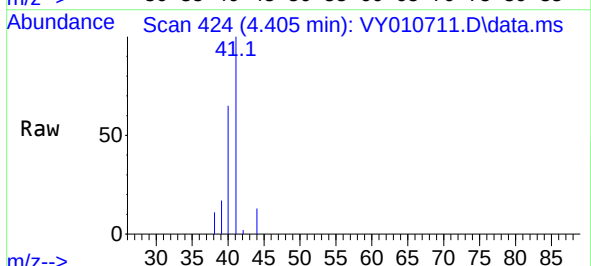
Tgt Ion: 41 Resp: 9486

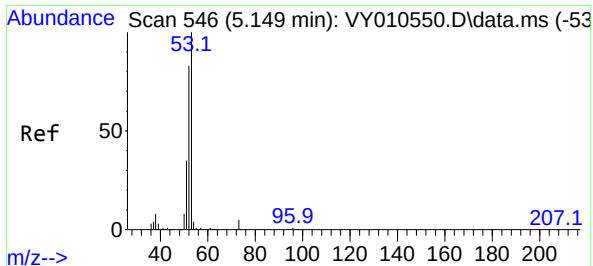
Ion Ratio Lower Upper

41 100

39 21.4 58.8 88.2#

76 0.0 25.1 37.7#

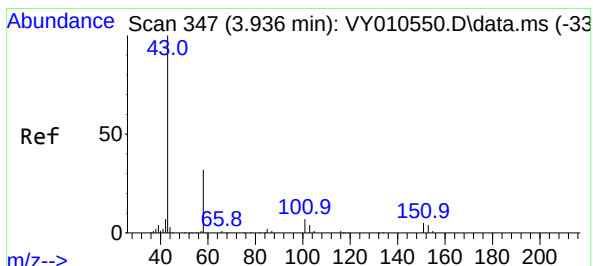
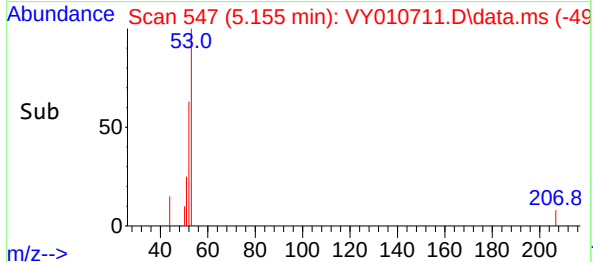
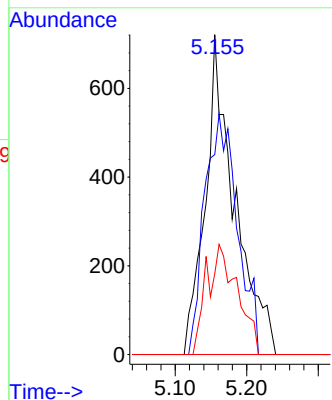
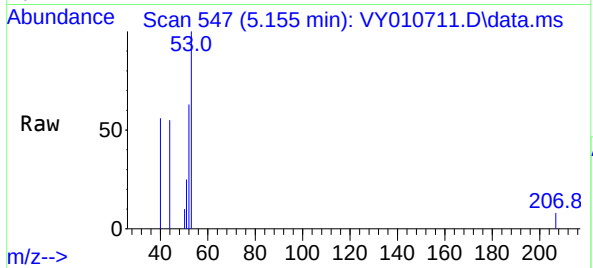




#15
Acrylonitrile
Concen: 5.511 ug/l
RT: 5.155 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

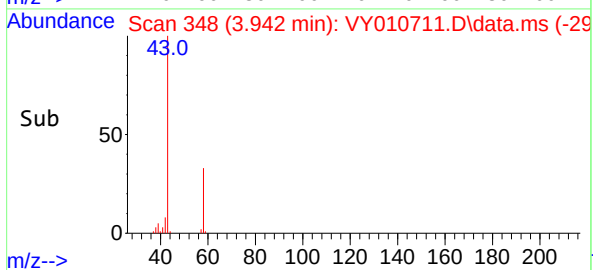
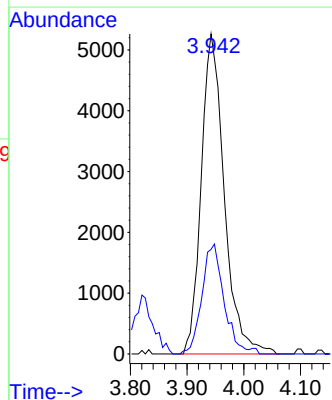
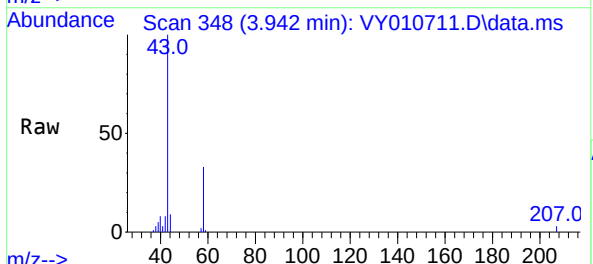
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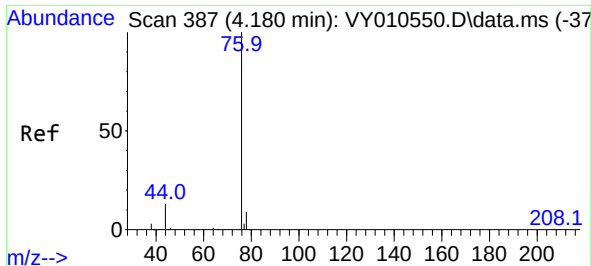
Tgt Ion: 53	Resp: 2054
Ion Ratio	Lower Upper
53 100	
52 83.8	67.0 100.4
51 36.0	29.8 44.6



#16
Acetone
Concen: 47.795 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

Tgt Ion: 43	Resp: 14860		
Ion Ratio	Lower	Upper	
43 100			
58 32.7	22.0	33.0	

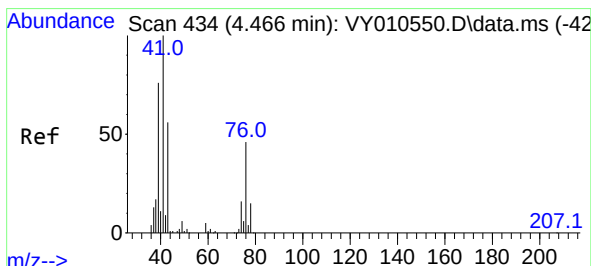
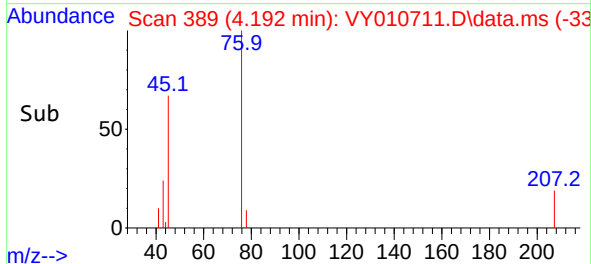
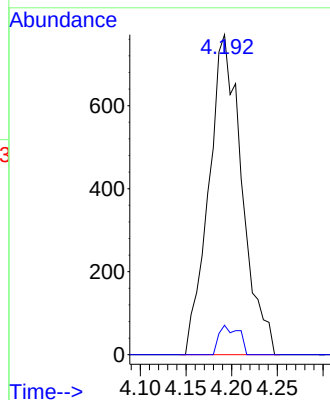
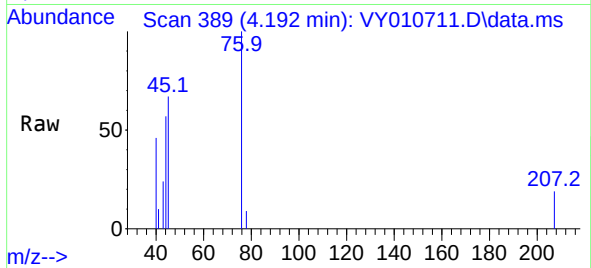




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. 0.012 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

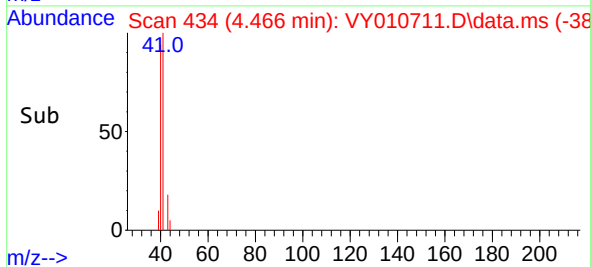
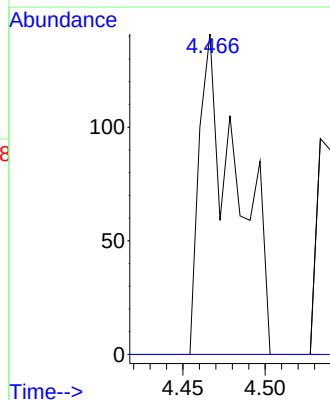
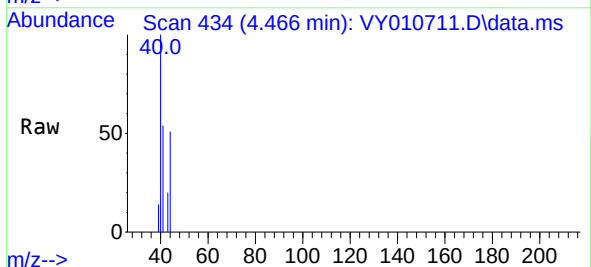
Instrument :
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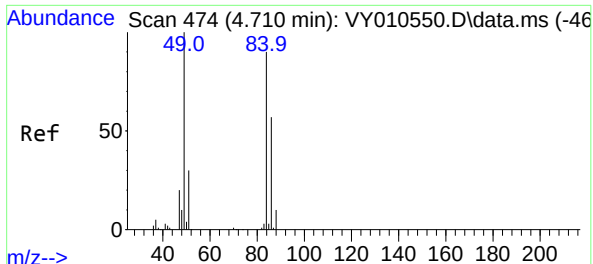
Tgt Ion: 76 Resp: 1942
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 434
Delta R.T. 0.000 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

Tgt Ion: 43 Resp: 223
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



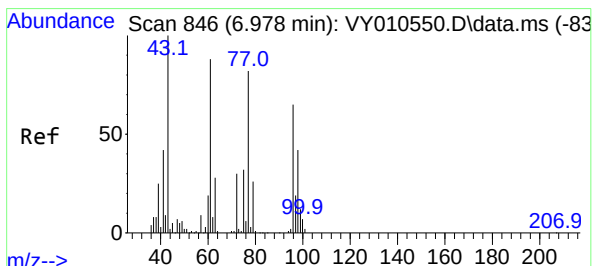
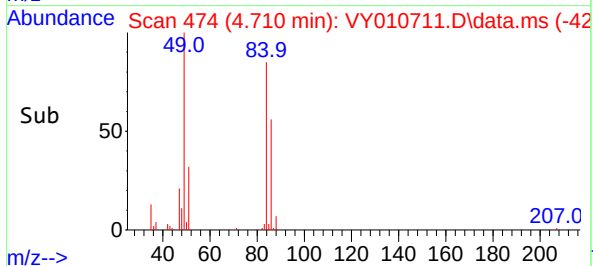
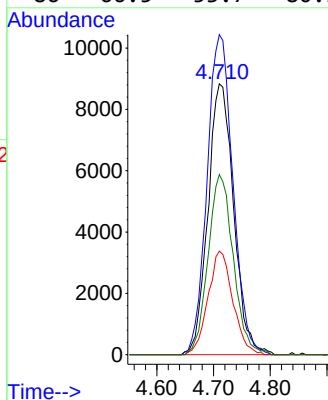
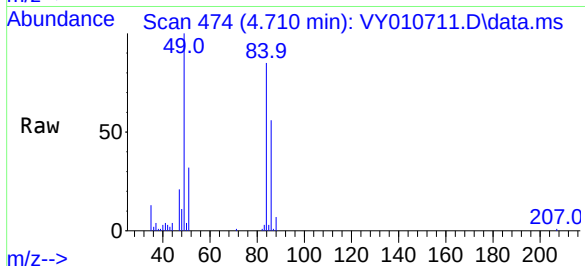


#20
Methylene Chloride
Concen: 6.468 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

Instrument :
MSVOA_Y
ClientSampleId :
1675

Tgt Ion: 84 Resp: 27794

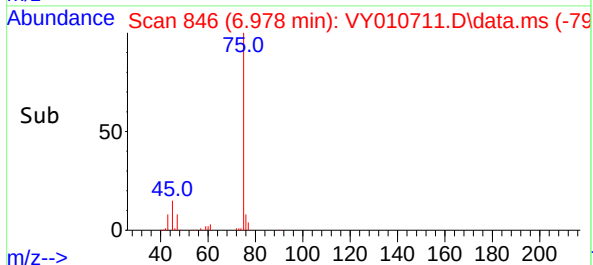
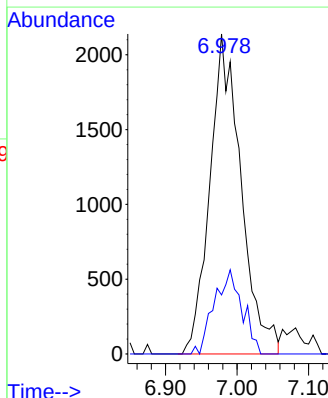
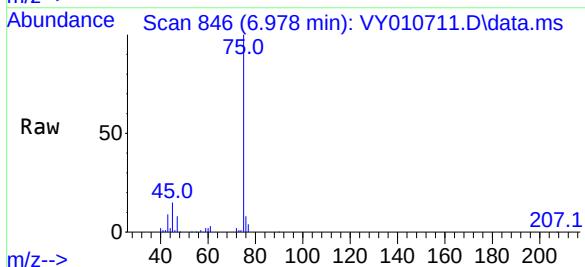
Ion	Ratio	Lower	Upper
84	100		
49	118.1	114.4	171.6
51	38.2	35.3	52.9
86	66.5	53.7	80.5

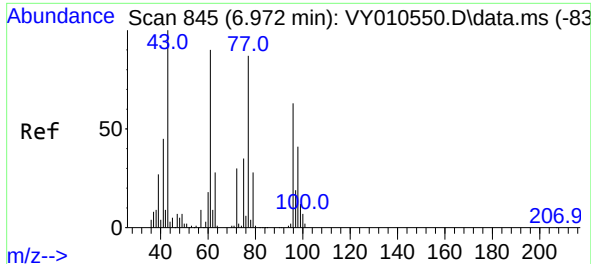


#25
2-Butanone
Concen: 13.312 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

Tgt Ion: 43 Resp: 6474

Ion	Ratio	Lower	Upper
43	100		
72	18.5	17.7	26.5

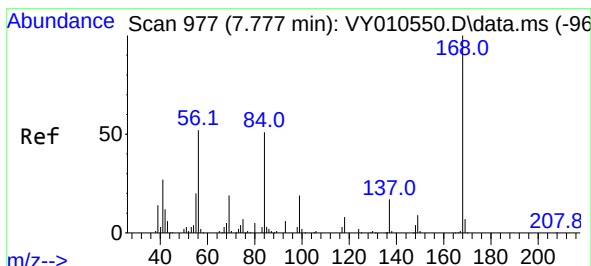
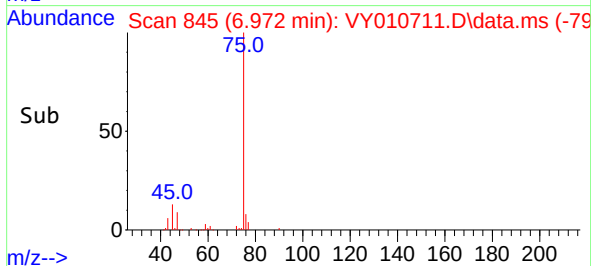
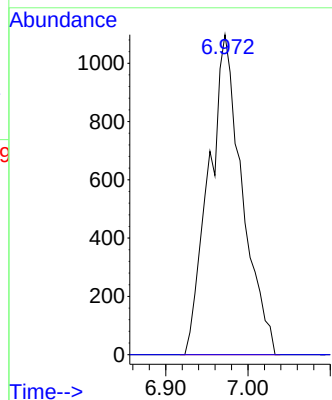
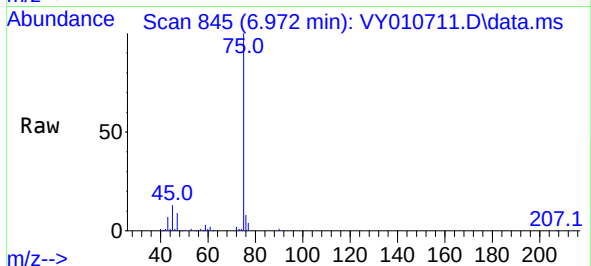




#26
2,2-Dichloropropane
Concen: 1.339 ug/l
RT: 6.972 min Scan# 845
Delta R.T. 0.000 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

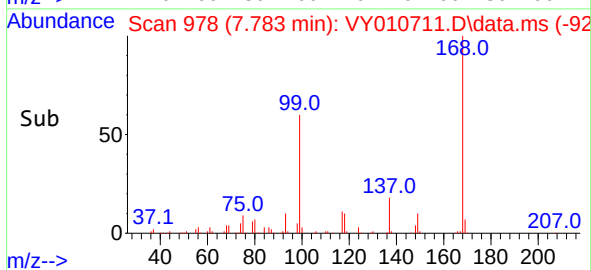
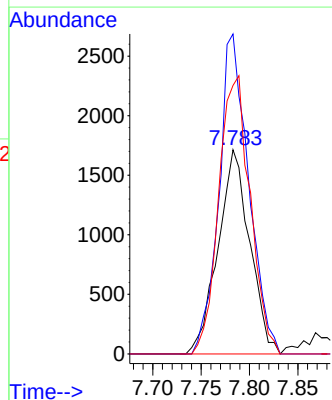
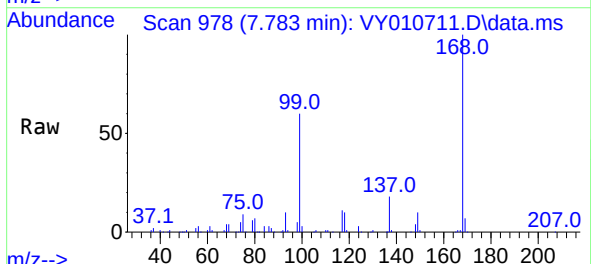
Instrument :
MSVOA_Y
ClientSampleId :
1675

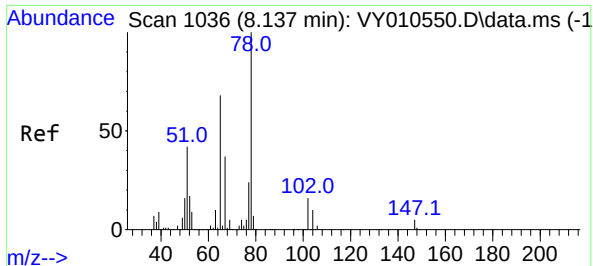
Tgt Ion: 77 Resp: 3095
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

Tgt Ion: 56 Resp: 3909
Ion Ratio Lower Upper
56 100
69 156.8 26.7 40.1#
84 131.6 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 73.101 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.001 min

Lab File: VY010711.D

Acq: 28 Sep 2022 13:13

Instrument :

MSVOA_Y

ClientSampleId :

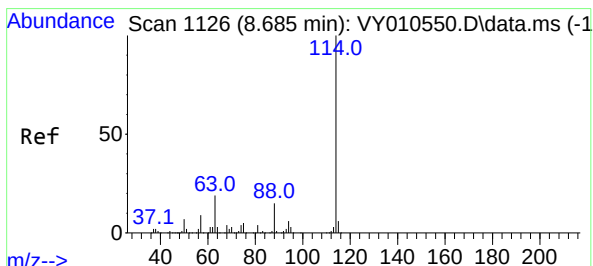
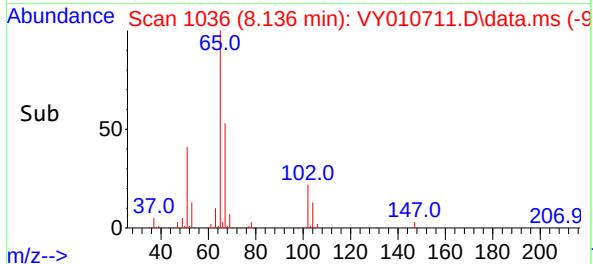
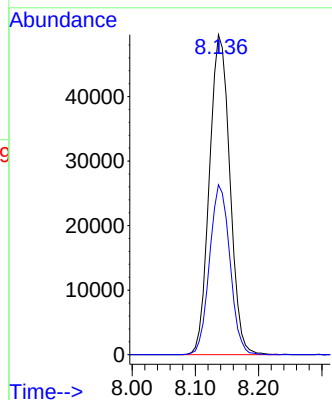
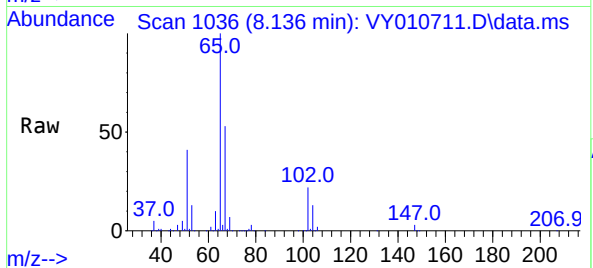
1675

Tgt Ion: 65 Resp: 111452

Ion Ratio Lower Upper

65 100

67 52.8 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: VY010711.D

Acq: 28 Sep 2022 13:13

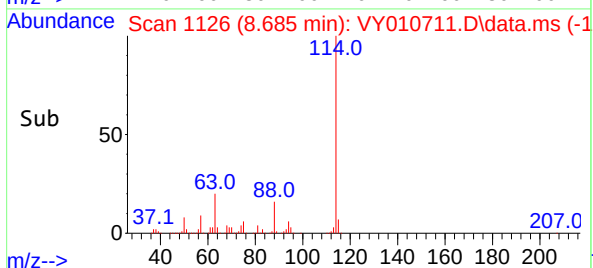
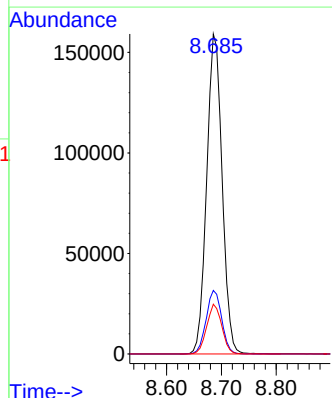
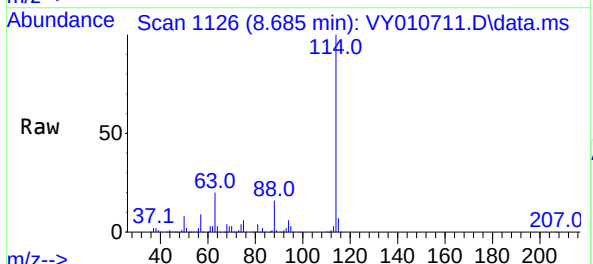
Tgt Ion:114 Resp: 310466

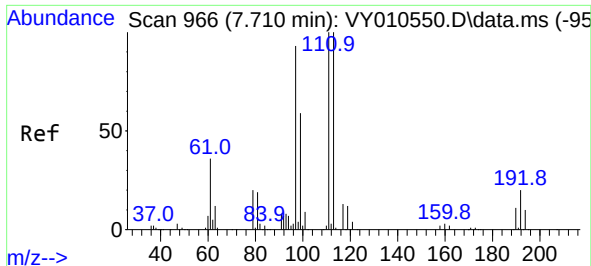
Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.2

88 15.6 0.0 31.8

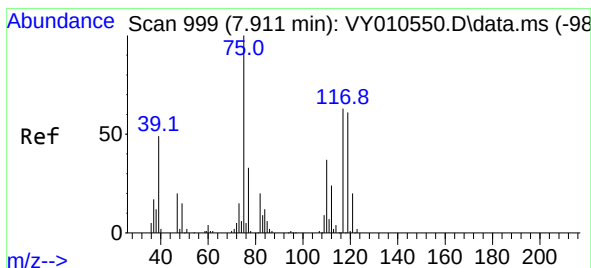
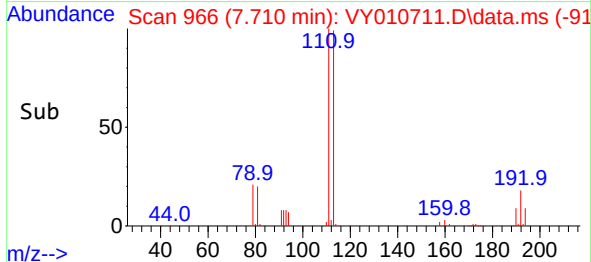
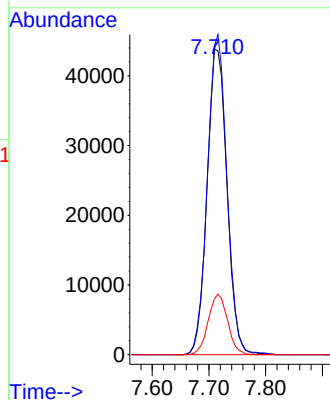
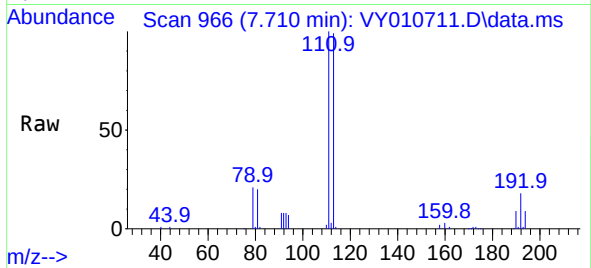




#35
Dibromofluoromethane
Concen: 53.988 ug/l
RT: 7.710 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

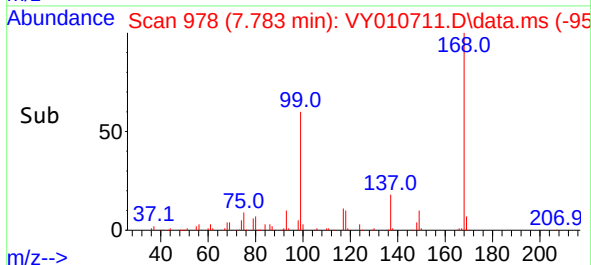
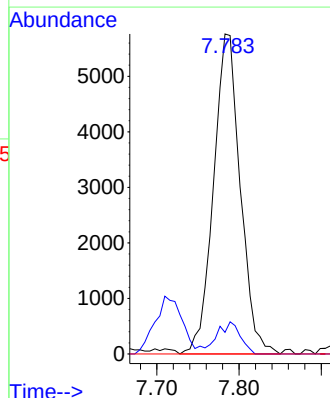
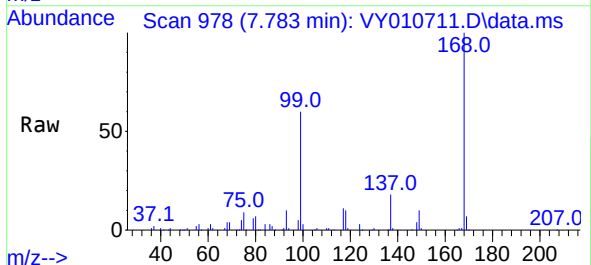
Instrument :
MSVOA_Y
ClientSampleId :
1675

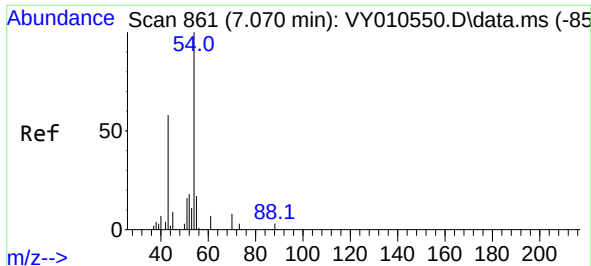
Tgt Ion:113 Resp: 106972
Ion Ratio Lower Upper
113 100
111 102.9 82.6 124.0
192 19.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.902 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

Tgt Ion: 75 Resp: 13030
Ion Ratio Lower Upper
75 100
110 8.4 17.1 51.2#
77 0.0 24.4 36.6#

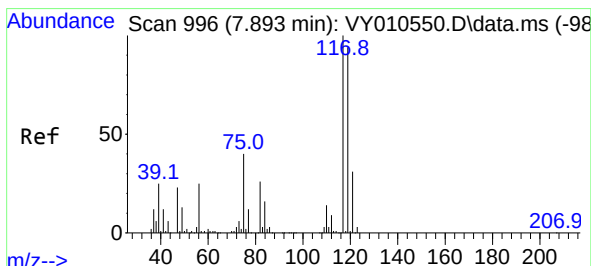
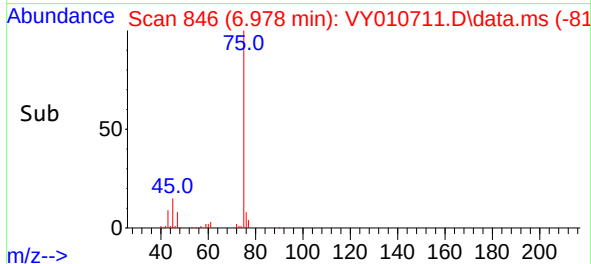
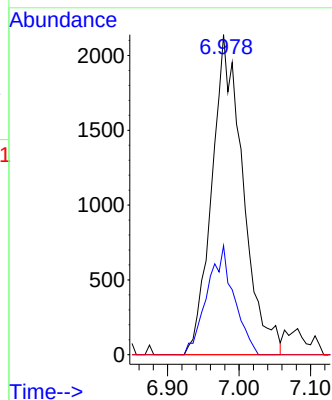
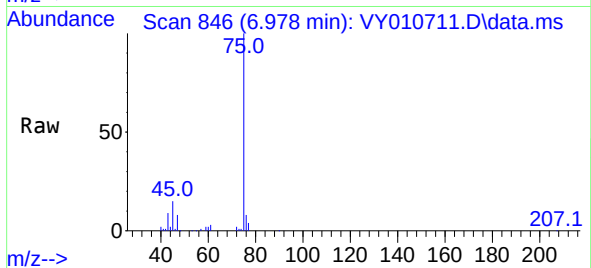




#37
Ethyl Acetate
Concen: 5.077 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.092 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

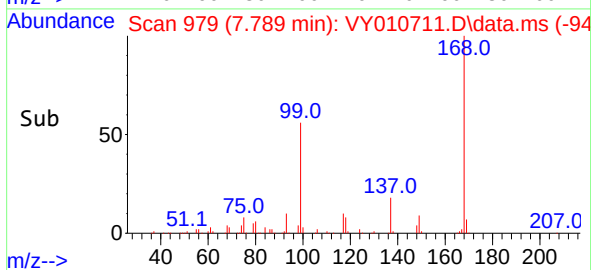
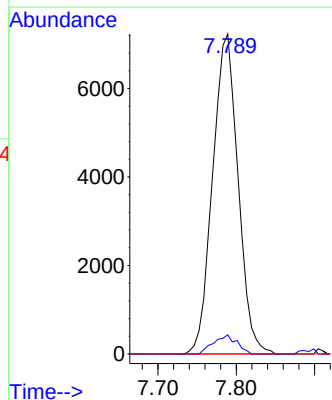
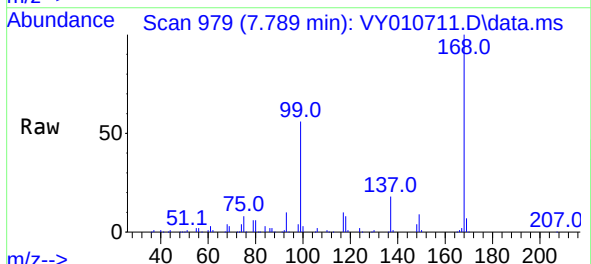
Instrument :
MSVOA_Y
ClientSampleId :
1675

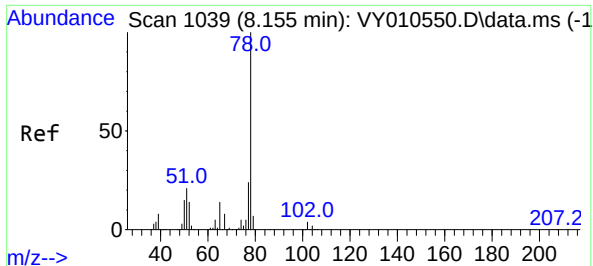
Tgt Ion: 43 Resp: 6474
Ion Ratio Lower Upper
43 100
61 29.4 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.426 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.104 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

Tgt Ion: 117 Resp: 16312
Ion Ratio Lower Upper
117 100
119 5.9 77.9 116.9#
121 0.0 24.8 37.2#

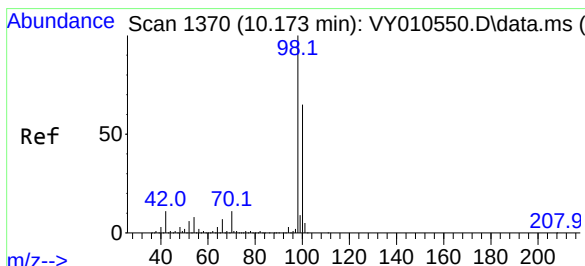
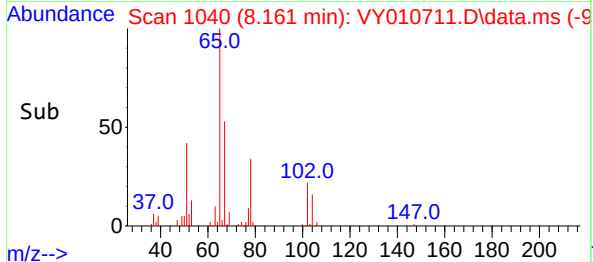
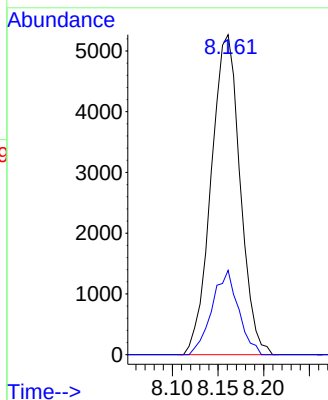
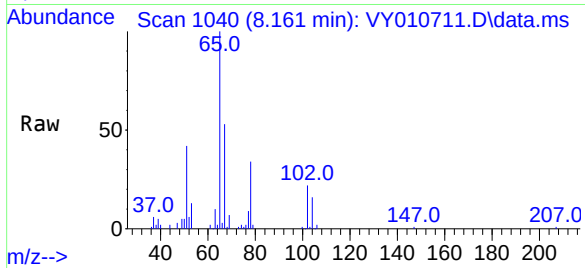




#40
Benzene
Concen: 1.764 ug/l
RT: 8.161 min Scan# 11607
Delta R.T. 0.006 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

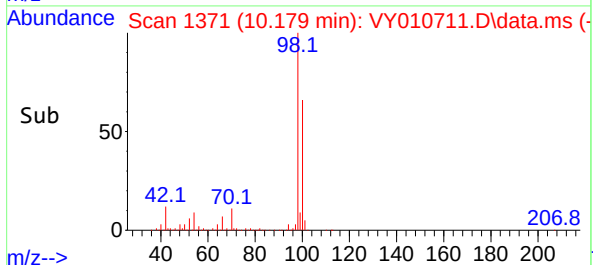
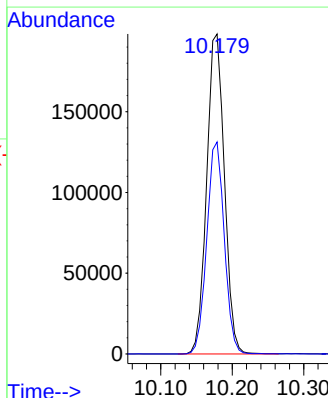
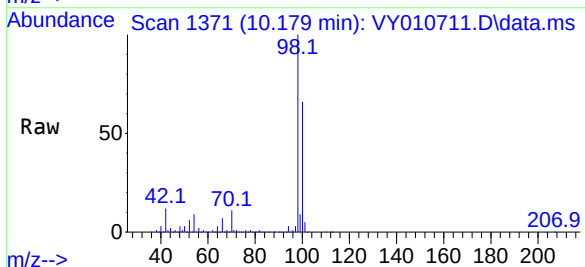
Instrument :
MSVOA_Y
ClientSampleId :
1675

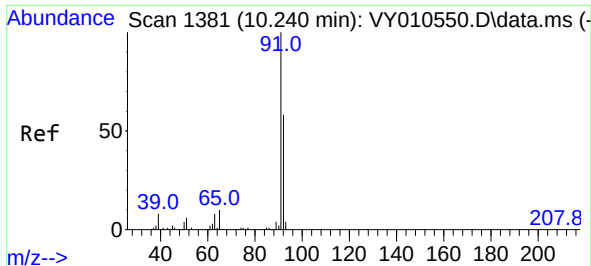
Tgt Ion: 78 Resp: 11607
Ion Ratio Lower Upper
78 100
77 26.3 20.4 30.6



#50
Toluene-d8
Concen: 46.817 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

Tgt Ion: 98 Resp: 341282
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2

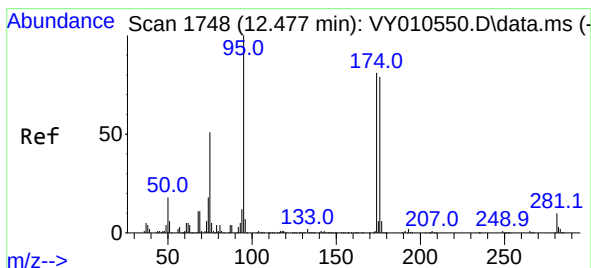
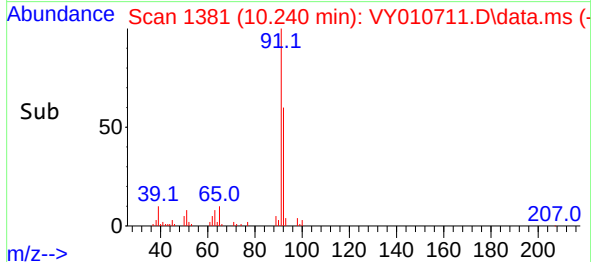
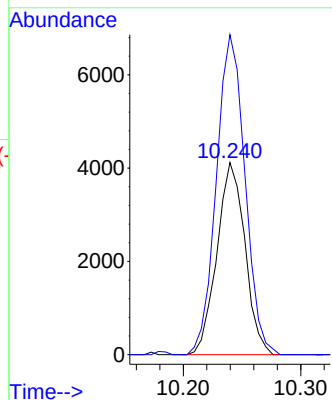
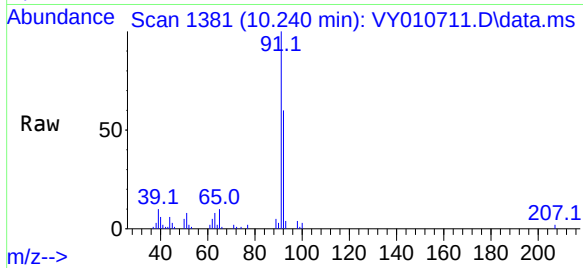




#52
Toluene
Concen: 1.585 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

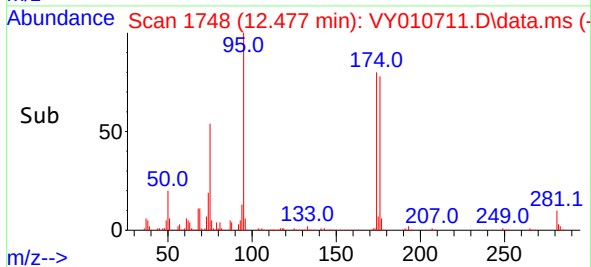
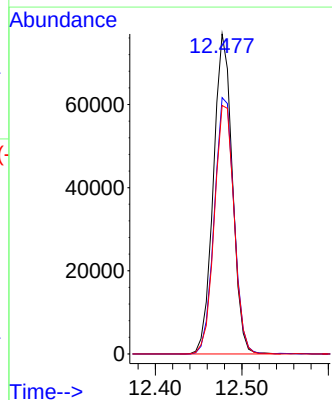
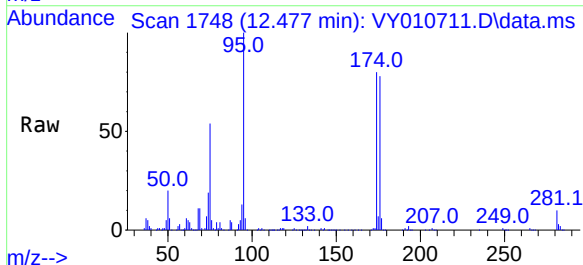
Instrument :
MSVOA_Y
ClientSampleId :
1675

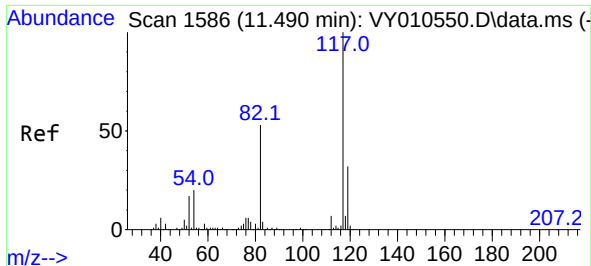
Tgt Ion: 92 Resp: 6827
Ion Ratio Lower Upper
92 100
91 170.2 142.6 213.8



#62
4-Bromofluorobenzene
Concen: 42.687 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

Tgt Ion: 95 Resp: 117084
Ion Ratio Lower Upper
95 100
174 82.9 0.0 177.0
176 80.9 0.0 175.8

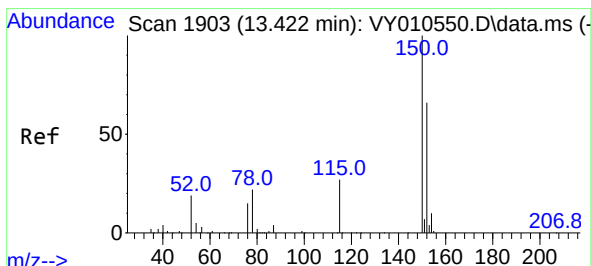
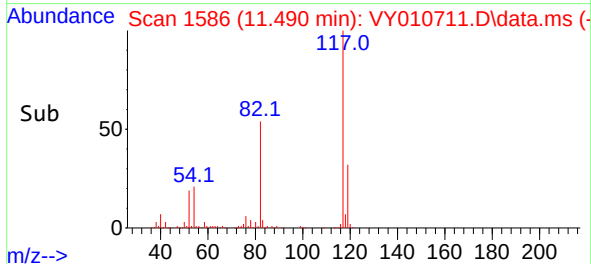
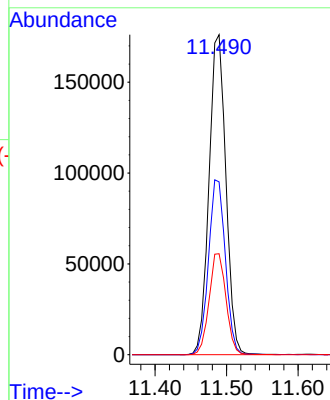
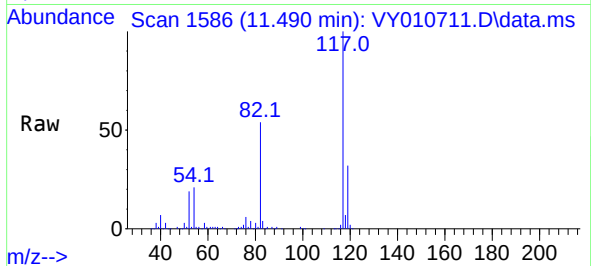




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

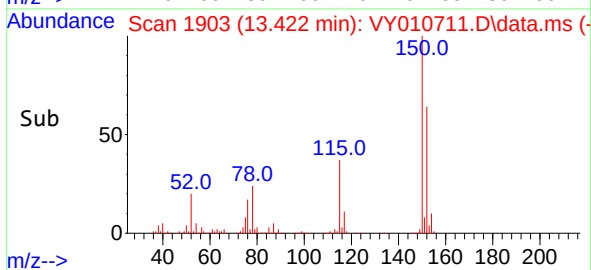
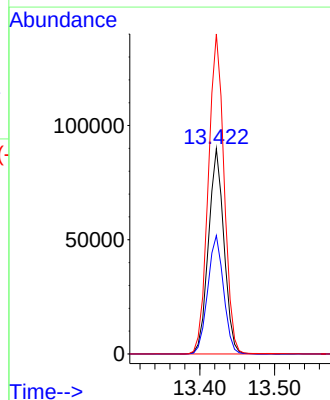
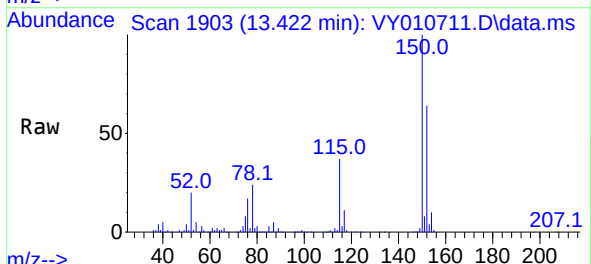
Instrument :
MSVOA_Y
ClientSampleId :
1675

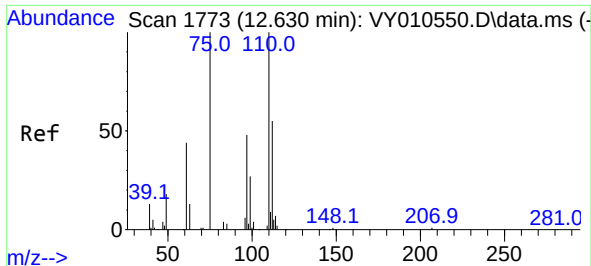
Tgt Ion:117 Resp: 288737
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.4
119 31.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

Tgt Ion:152 Resp: 129262
Ion Ratio Lower Upper
152 100
115 58.8 28.2 84.7
150 159.1 0.0 347.6

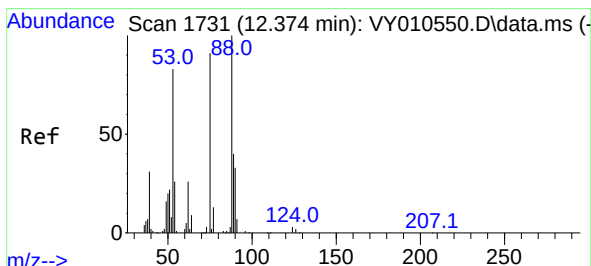
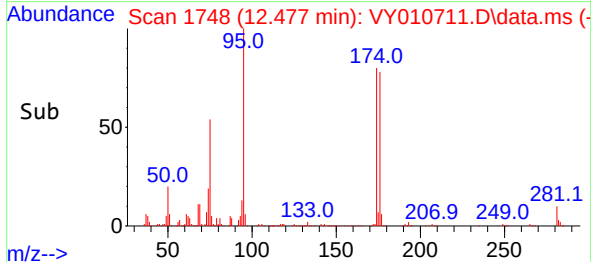
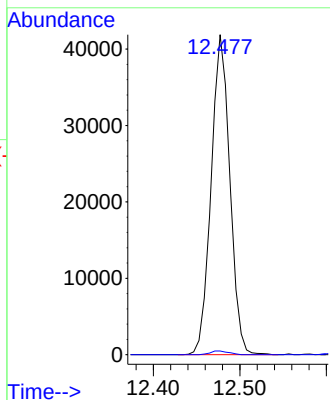
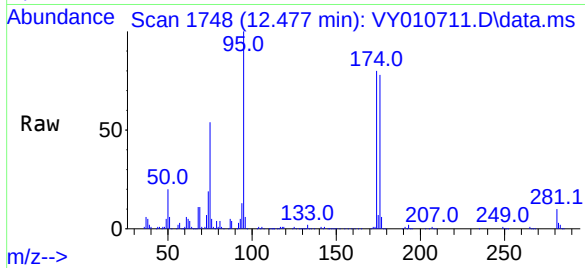




#76
1,2,3-Trichloropropane
Concen: 50.944 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

Instrument :
MSVOA_Y
ClientSampleId :
1675

Tgt Ion: 75 Resp: 62850
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.270 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

Tgt Ion: 75 Resp: 62850
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

