

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022322\
 Data File : VY007607.D
 Acq On : 23 Feb 2022 18:53
 Operator : SY/MD
 Sample : N1584-06
 Misc : 5.77g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D12-12.5

Quant Time: Feb 24 08:25:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 24 07:13:58 2022
 Response via : Initial Calibration

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

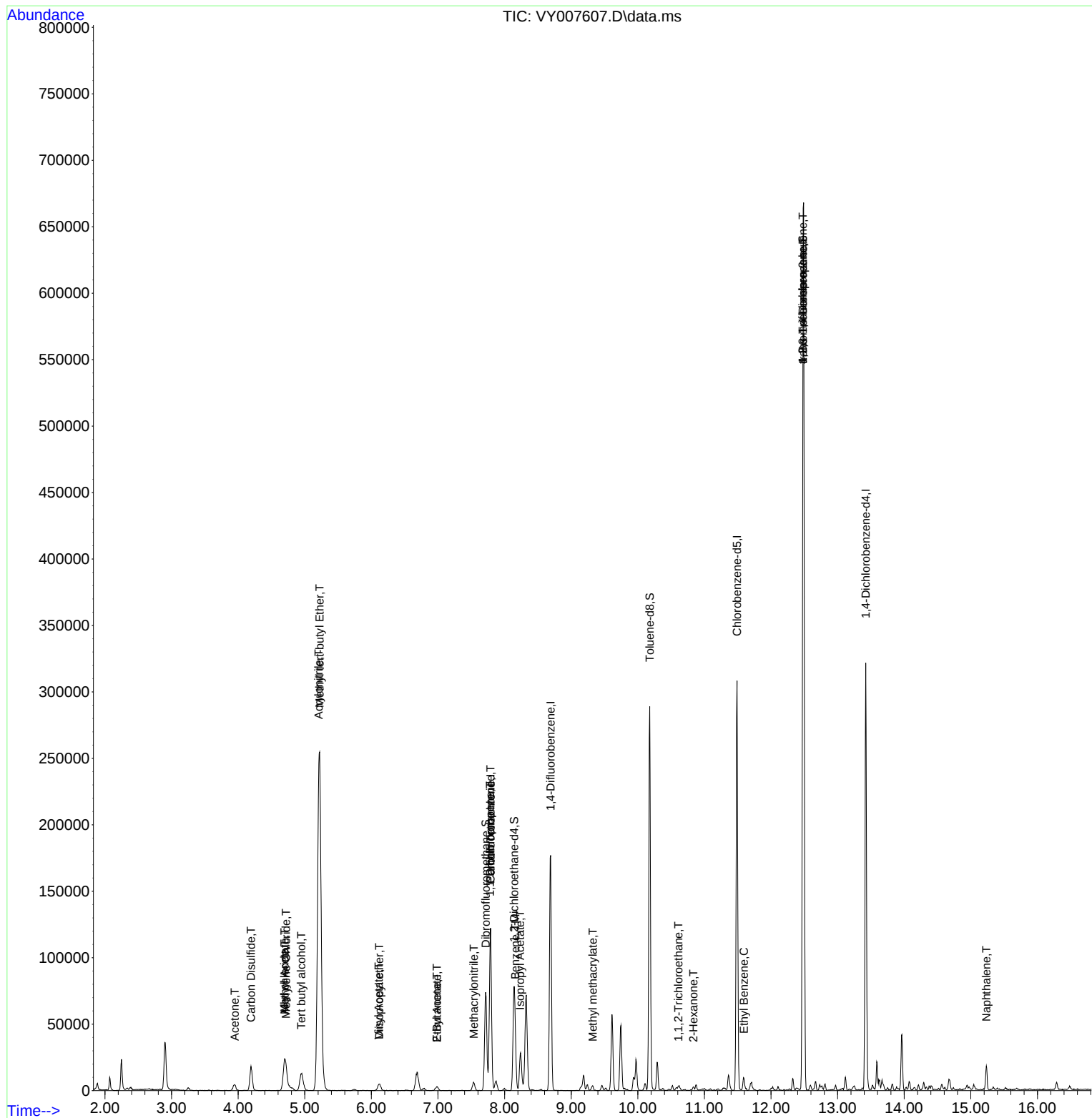
Internal Standards						
1) Pentafluorobenzene	7.789	168	90542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	157127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	157115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	76953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	53389	53.005	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.020%			
35) Dibromofluoromethane	7.715	113	47863	48.276	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.560%			
50) Toluene-d8	10.178	98	184821	50.356	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.720%			
62) 4-Bromofluorobenzene	12.477	95	70767	56.449	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 112.900%			
Target Compounds					Qvalue	
5) Bromomethane	2.655	94	241	Below Cal	#	69
11) Tert butyl alcohol	4.948	59	26787	264.050	ug/l #	93
14) Allyl chloride	4.698	41	10204	10.792	ug/l #	74
15) Acrylonitrile	5.210	53	4961	22.003	ug/l #	30
16) Acetone	3.948	43	4943	21.548	ug/l	95
17) Carbon Disulfide	4.192	76	35166	13.836	ug/l	99
18) Methyl Acetate	4.698	43	18977	38.710	ug/l #	56
19) Methyl tert-butyl Ether	5.222	73	487080	177.203	ug/l #	88
20) Methylene Chloride	4.716	84	5320	2.333	ug/l #	78
22) Diisopropyl ether	6.118	45	5843	2.941	ug/l #	87
23) Vinyl Acetate	6.112	43	3664	2.556	ug/l #	75
25) 2-Butanone	6.984	43	2163	8.317	ug/l #	66
31) Cyclohexane	7.783	56	2572	Below Cal	#	39
36) 1,1-Dichloropropene	7.783	75	6204	4.342	ug/l #	54
37) Ethyl Acetate	6.984	43	2163	3.363	ug/l #	72
38) Carbon Tetrachloride	7.789	117	9383	4.485	ug/l #	15
39) Methylcyclohexane	9.185	83	1819	Below Cal		98
40) Benzene	8.161	78	24892	6.106	ug/l	97
41) Methacrylonitrile	7.539	41	2166	6.106	ug/l #	51
43) Isopropyl Acetate	8.234	43	6903	5.254	ug/l #	56
48) Methyl methacrylate	9.325	41	1102	1.989	ug/l #	46
55) 1,1,2-Trichloroethane	10.611	97	1425	1.487	ug/l #	15
59) 2-Hexanone	10.837	43	606	1.286	ug/l	67
67) Ethyl Benzene	11.593	91	5951	1.036	ug/l #	76
76) 1,2,3-Trichloropropane	12.477	75	45805	59.515	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	45805	127.966	ug/l #	9
95) Naphthalene	15.232	128	15041	3.854	ug/l	98

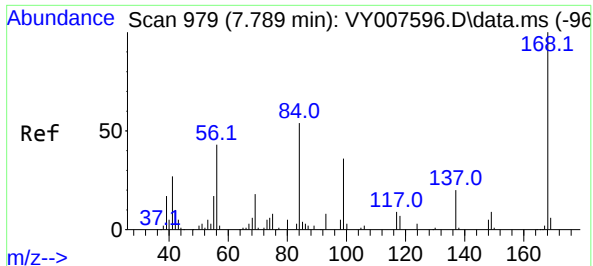
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
D12-12.5

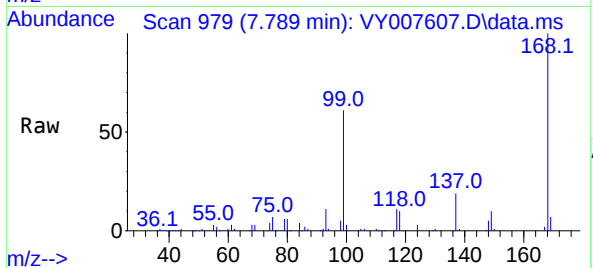
Quant Time: Feb 24 08:25:09 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
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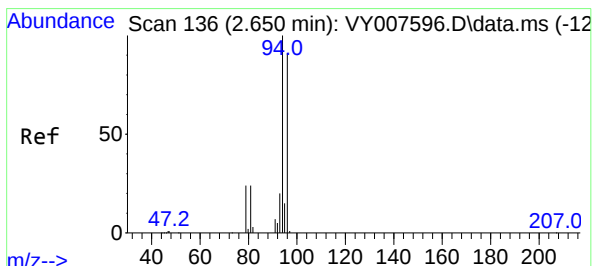
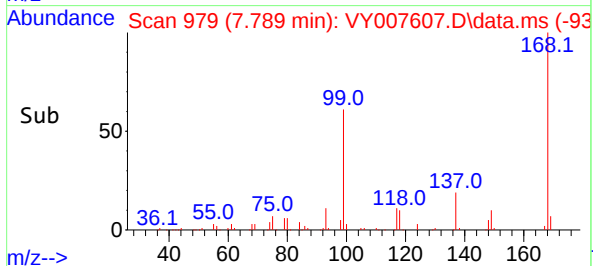
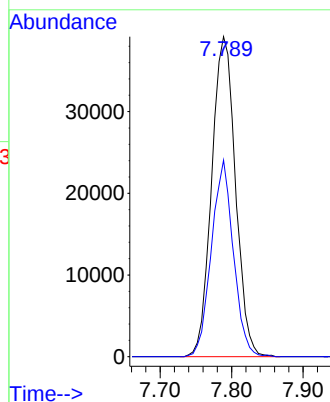


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007607.D
Acq: 23 Feb 2022 18:53

Instrument :
MSVOA_Y
ClientSampleId :
D12-12.5

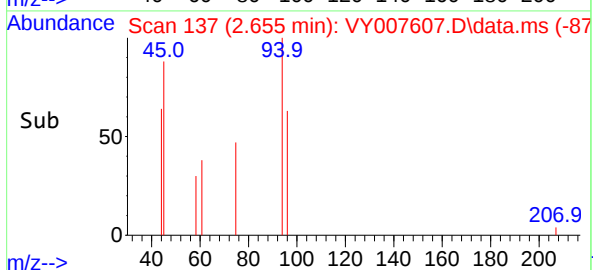
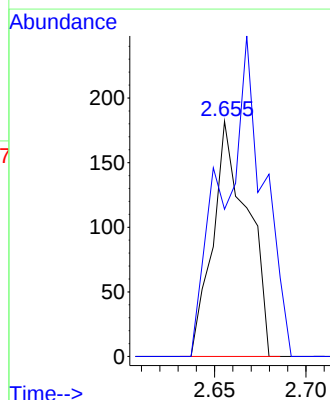
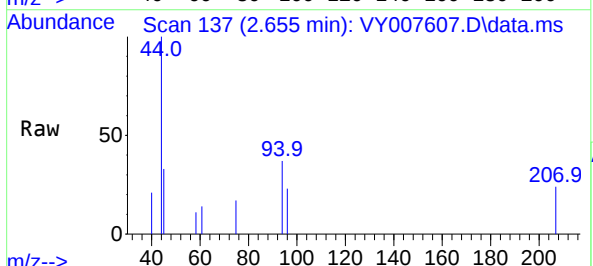


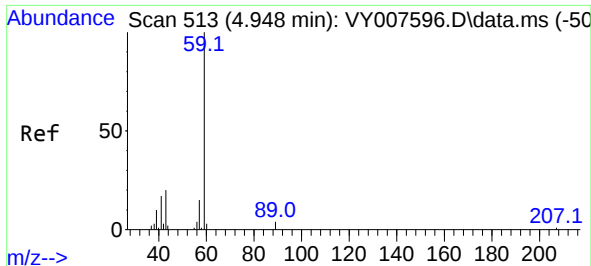
Tgt Ion:168 Resp: 90542
Ion Ratio Lower Upper
168 100
99 61.4 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.655 min Scan# 137
Delta R.T. 0.005 min
Lab File: VY007607.D
Acq: 23 Feb 2022 18:53

Tgt Ion: 94 Resp: 241
Ion Ratio Lower Upper
94 100
96 62.6 73.5 110.3#

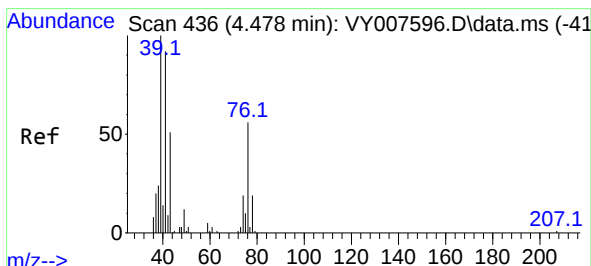
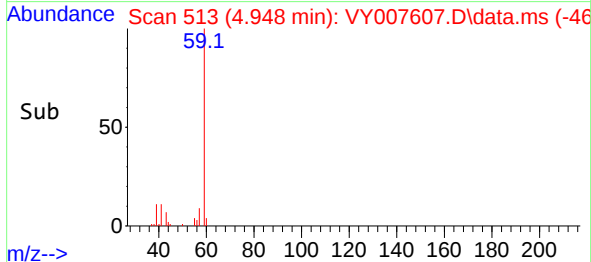
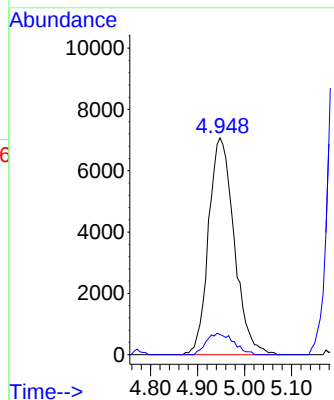
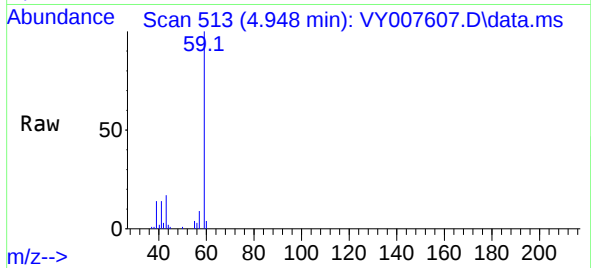




#11
Tert butyl alcohol
Concen: 264.050 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY007607.D
Acq: 23 Feb 2022 18:53

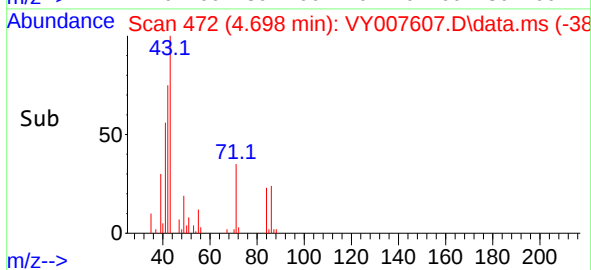
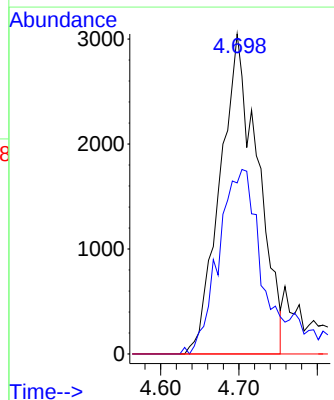
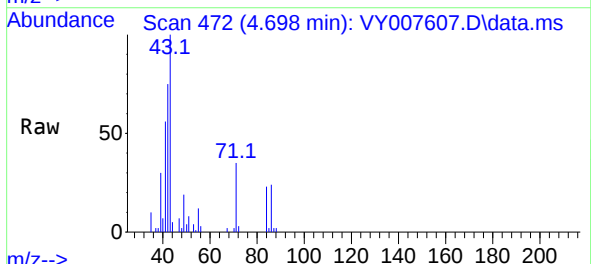
Instrument :
MSVOA_Y
ClientSampleId :
D12-12.5

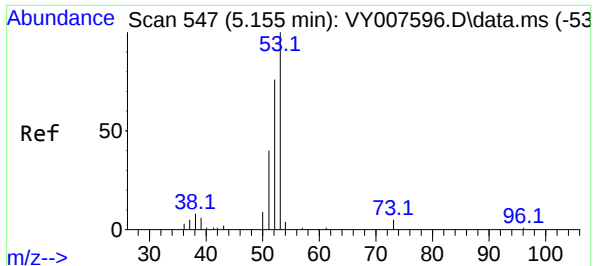
Tgt Ion: 59 Resp: 26787
Ion Ratio Lower Upper
59 100
57 10.5 6.4 9.6#



#14
Allyl chloride
Concen: 10.792 ug/l
RT: 4.698 min Scan# 472
Delta R.T. 0.220 min
Lab File: VY007607.D
Acq: 23 Feb 2022 18:53

Tgt Ion: 41 Resp: 10204
Ion Ratio Lower Upper
41 100
39 62.5 58.8 88.2
76 0.0 25.1 37.7#

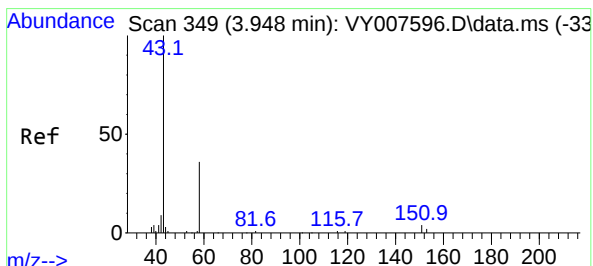
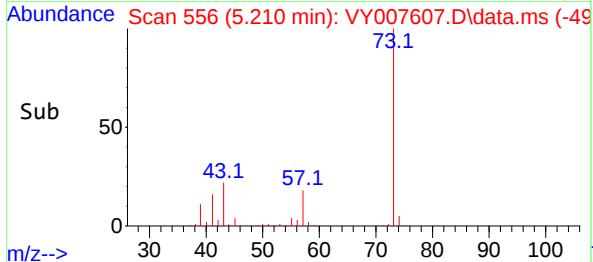
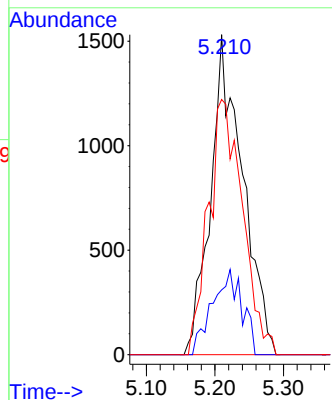
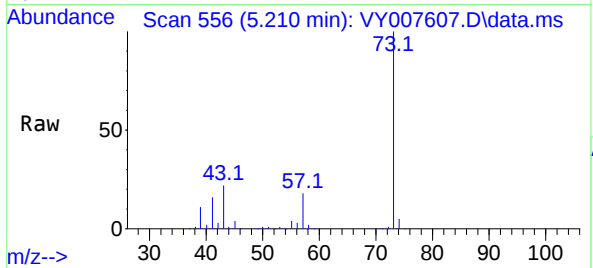




#15
Acrylonitrile
Concen: 22.003 ug/l
RT: 5.210 min Scan# 51
Delta R.T. 0.055 min
Lab File: VY007607.D
Acq: 23 Feb 2022 18:53

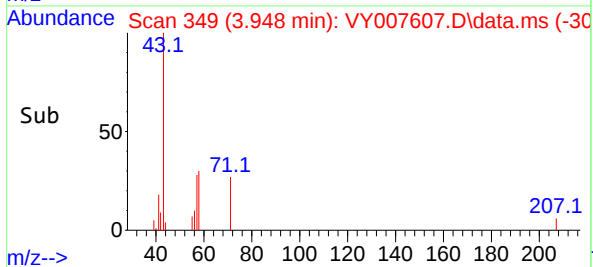
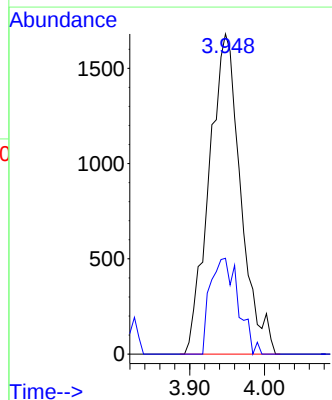
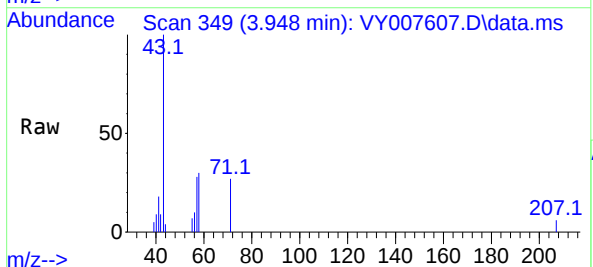
Instrument :
MSVOA_Y
ClientSampleId :
D12-12.5

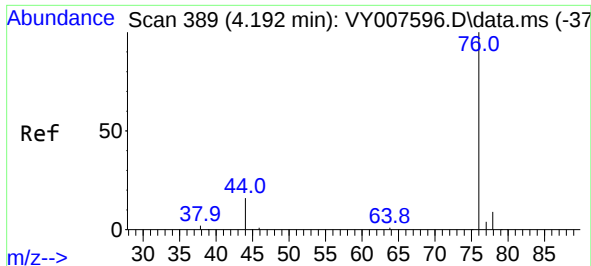
Tgt Ion: 53 Resp: 4961
Ion Ratio Lower Upper
53 100
52 24.5 67.0 100.4#
51 85.1 29.8 44.6#



#16
Acetone
Concen: 21.548 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY007607.D
Acq: 23 Feb 2022 18:53

Tgt Ion: 43 Resp: 4943
Ion Ratio Lower Upper
43 100
58 29.9 22.0 33.0

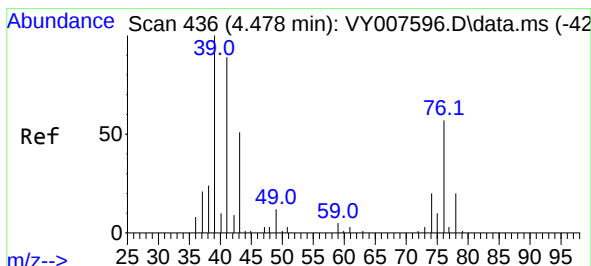
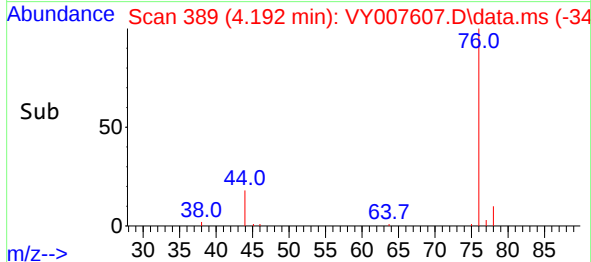
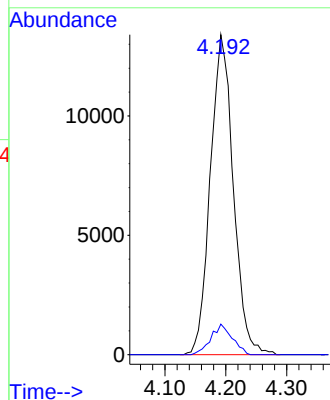
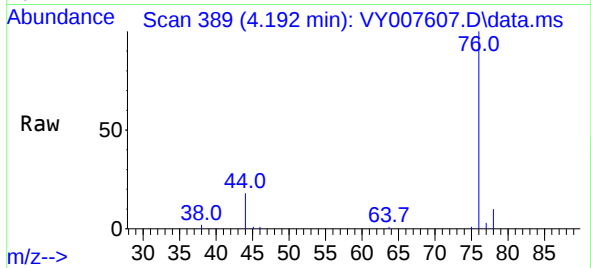




#17
Carbon Disulfide
Concen: 13.836 ug/l
RT: 4.192 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY007607.D
Acq: 23 Feb 2022 18:53

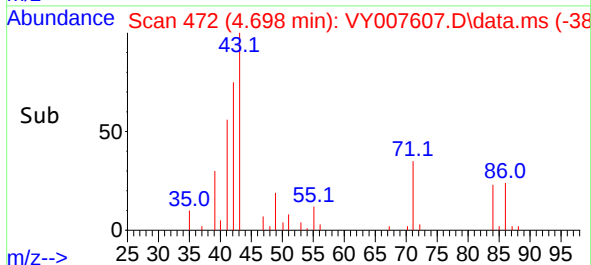
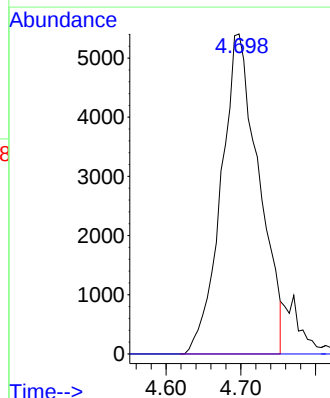
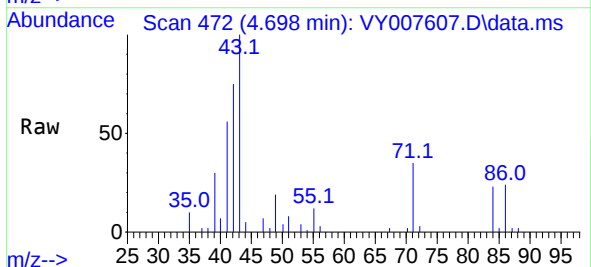
Instrument :
MSVOA_Y
ClientSampleId :
D12-12.5

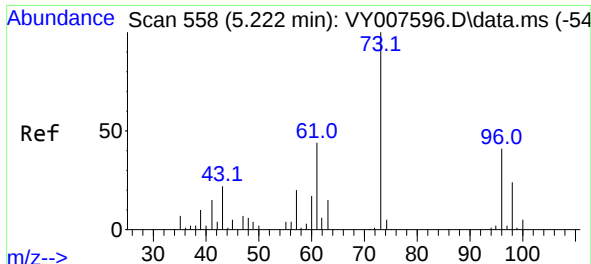
Tgt Ion: 76 Resp: 35166
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0



#18
Methyl Acetate
Concen: 38.710 ug/l
RT: 4.698 min Scan# 472
Delta R.T. 0.220 min
Lab File: VY007607.D
Acq: 23 Feb 2022 18:53

Tgt Ion: 43 Resp: 18977
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#19

Methyl tert-butyl Ether

Concen: 177.203 ug/l

RT: 5.222 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY007607.D

Acq: 23 Feb 2022 18:53

Instrument :

MSVOA_Y

ClientSampleId :

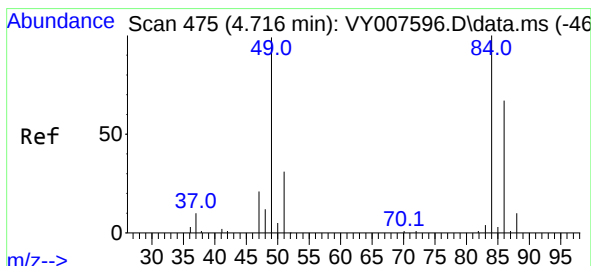
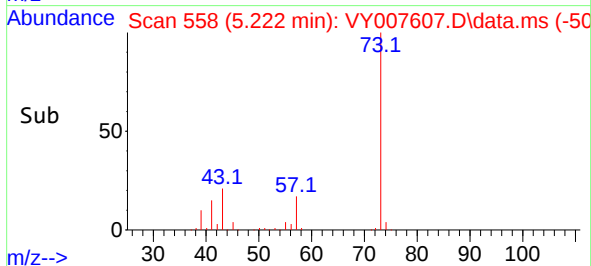
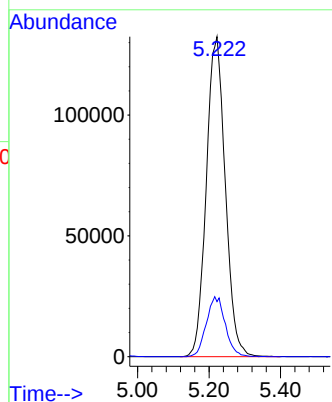
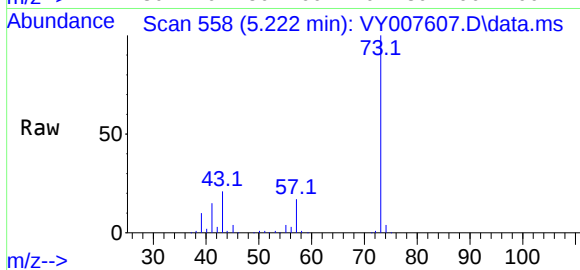
D12-12.5

Tgt Ion: 73 Resp: 487080

Ion Ratio Lower Upper

73 100

57 17.2 18.6 27.8#



#20

Methylene Chloride

Concen: 2.333 ug/l

RT: 4.716 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY007607.D

Acq: 23 Feb 2022 18:53

Tgt Ion: 84 Resp: 5320

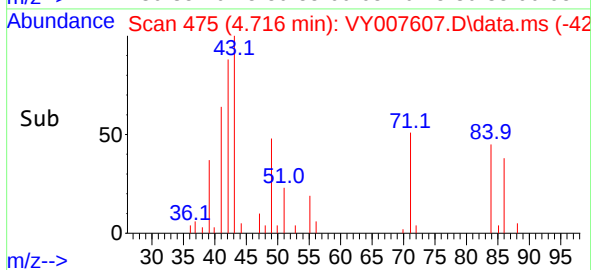
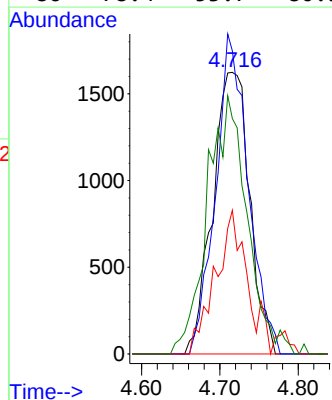
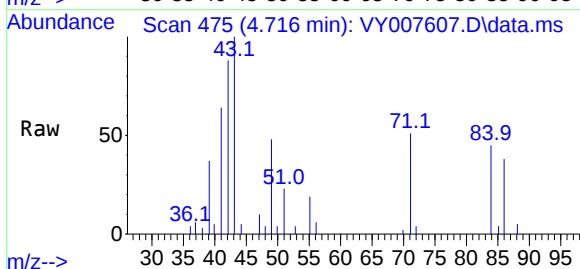
Ion Ratio Lower Upper

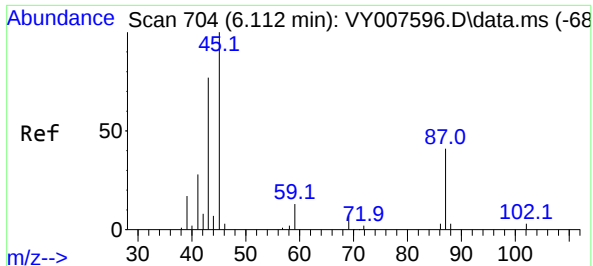
84 100

49 107.6 114.4 171.6#

51 51.0 35.3 52.9

86 78.4 53.7 80.5





#22

Diisopropyl ether

Concen: 2.941 ug/l

RT: 6.118 min Scan# 704

Delta R.T. 0.006 min

Lab File: VY007607.D

Acq: 23 Feb 2022 18:53

Instrument :

MSVOA_Y

ClientSampleId :

D12-12.5

Tgt Ion: 45 Resp: 5843

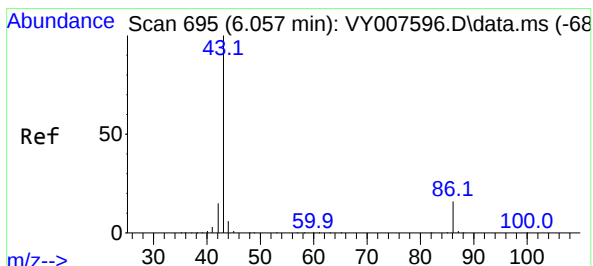
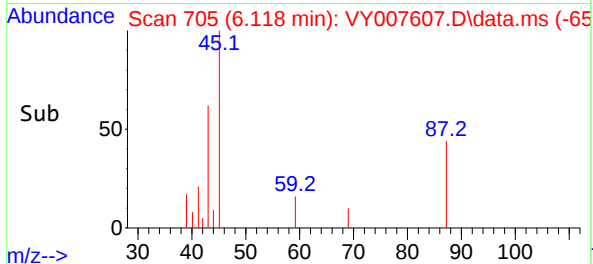
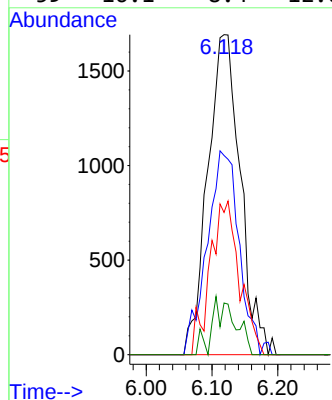
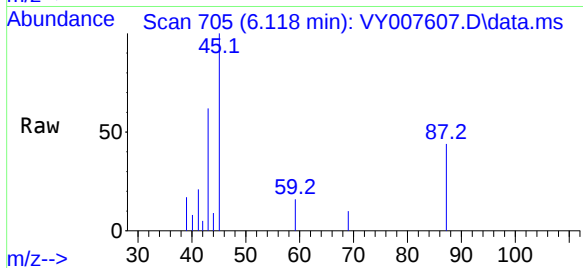
Ion Ratio Lower Upper

45 100

43 62.2 49.3 73.9

87 44.4 19.2 28.8#

59 16.1 8.4 12.6#



#23

Vinyl Acetate

Concen: 2.556 ug/l

RT: 6.112 min Scan# 704

Delta R.T. 0.055 min

Lab File: VY007607.D

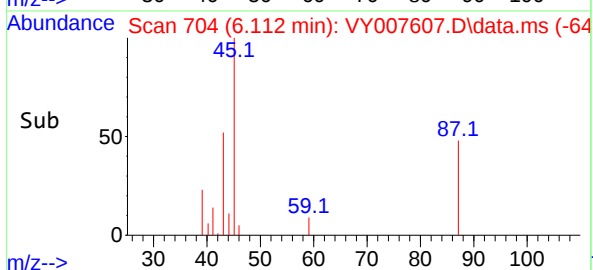
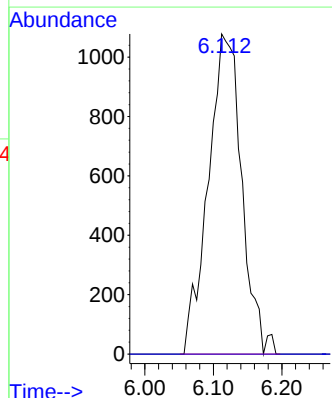
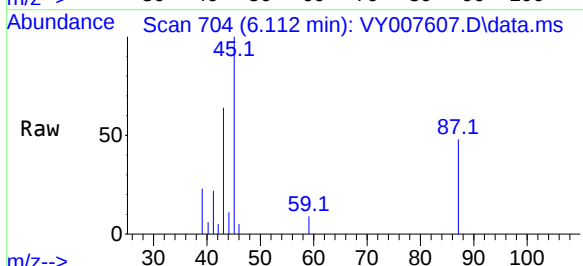
Acq: 23 Feb 2022 18:53

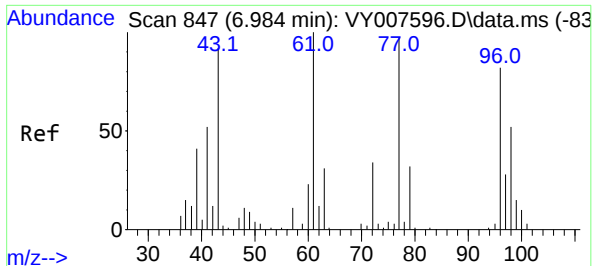
Tgt Ion: 43 Resp: 3664

Ion Ratio Lower Upper

43 100

86 0.0 7.1 10.7#

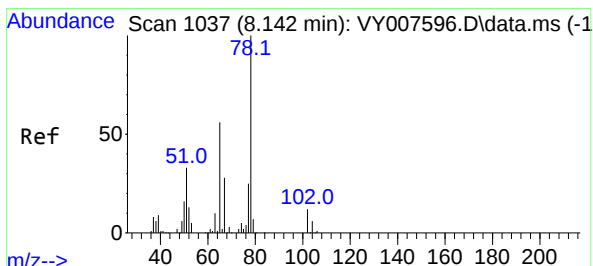
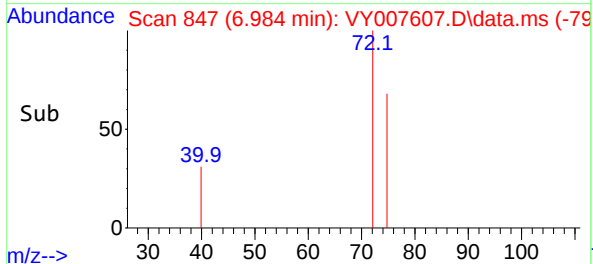
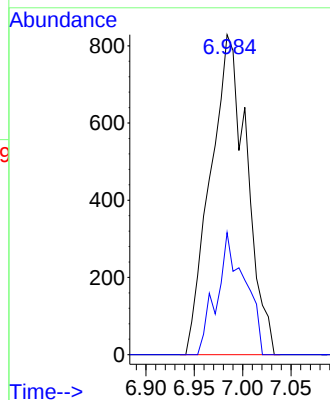
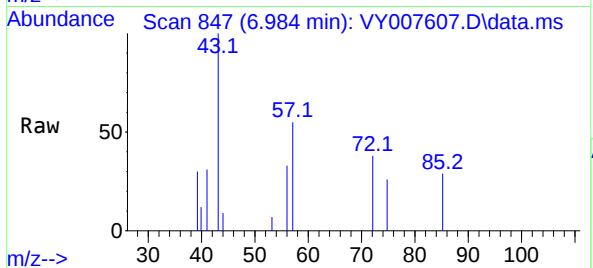




#25
2-Butanone
Concen: 8.317 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY007607.D
Acq: 23 Feb 2022 18:53

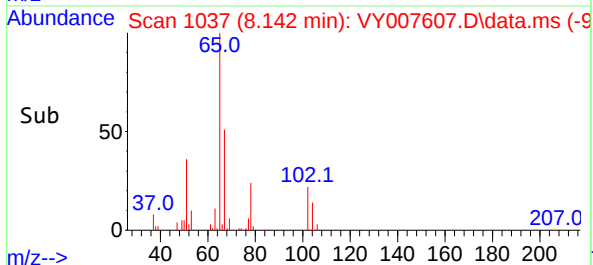
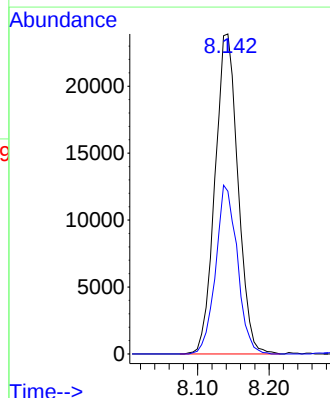
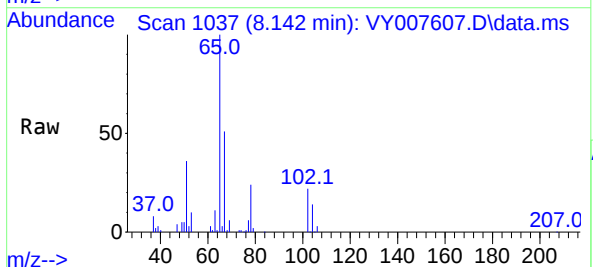
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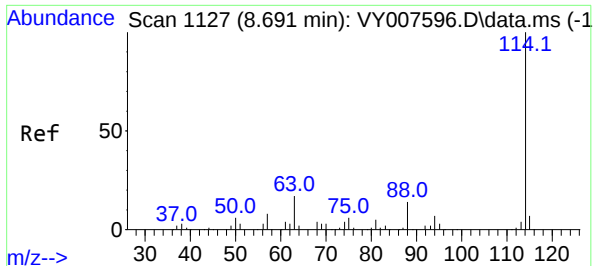
Tgt Ion: 43 Resp: 2163
Ion Ratio Lower Upper
43 100
72 38.1 17.7 26.5#



#33
1,2-Dichloroethane-d4
Concen: 53.005 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY007607.D
Acq: 23 Feb 2022 18:53

Tgt Ion: 65 Resp: 53389
Ion Ratio Lower Upper
65 100
67 49.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007607.D

Acq: 23 Feb 2022 18:53

Instrument :

MSVOA_Y

ClientSampleId :

D12-12.5

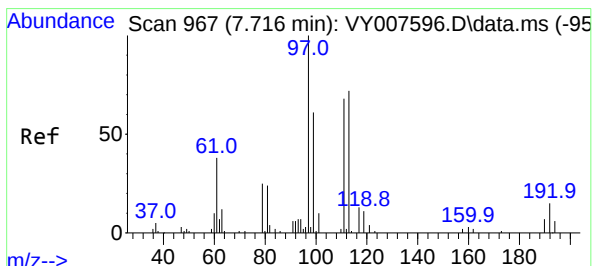
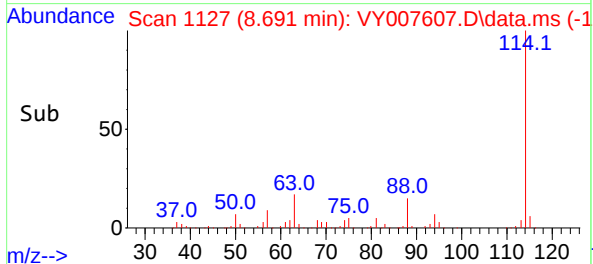
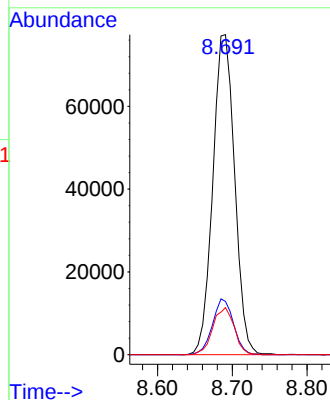
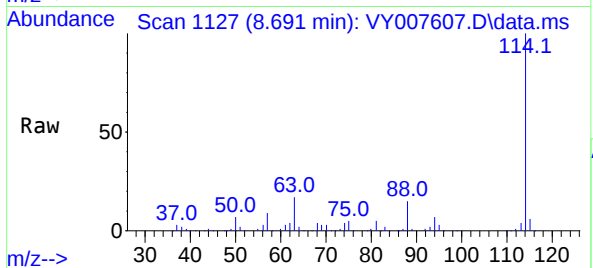
Tgt Ion:114 Resp: 157127

Ion Ratio Lower Upper

114 100

63 16.6 0.0 43.2

88 14.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.276 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.001 min

Lab File: VY007607.D

Acq: 23 Feb 2022 18:53

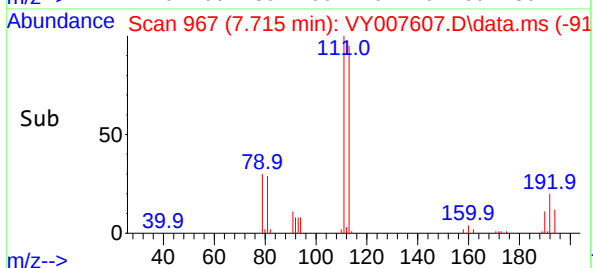
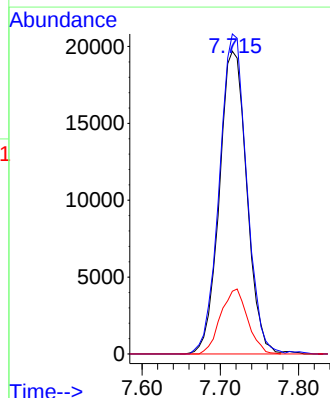
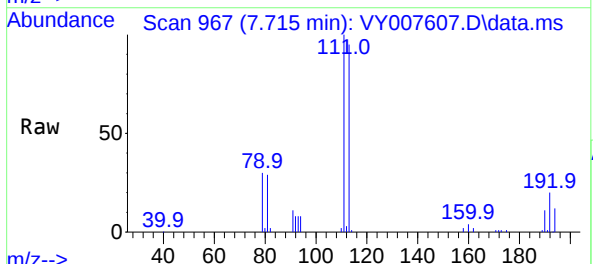
Tgt Ion:113 Resp: 47863

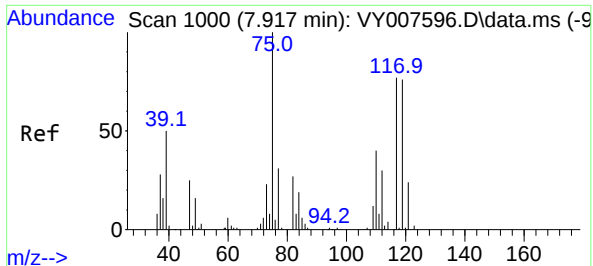
Ion Ratio Lower Upper

113 100

111 105.5 82.6 124.0

192 21.1 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.342 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY007607.D

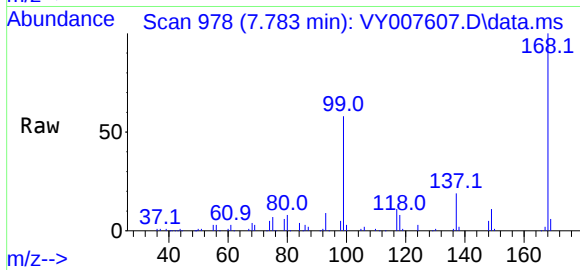
Acq: 23 Feb 2022 18:53

Instrument :

MSVOA_Y

ClientSampleId :

D12-12.5



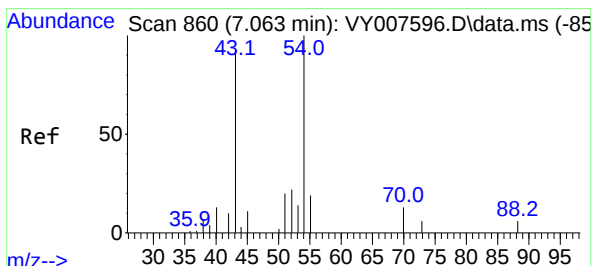
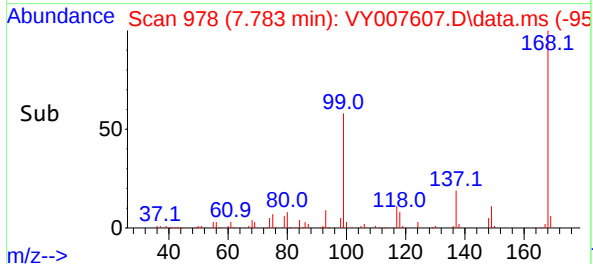
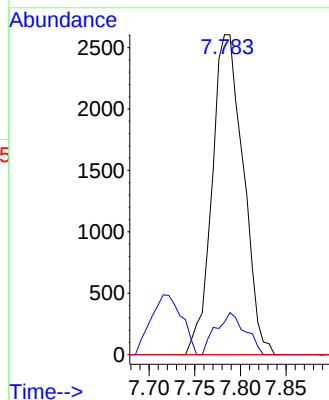
Tgt Ion: 75 Resp: 6204

Ion Ratio Lower Upper

75 100

110 12.4 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 3.363 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.079 min

Lab File: VY007607.D

Acq: 23 Feb 2022 18:53

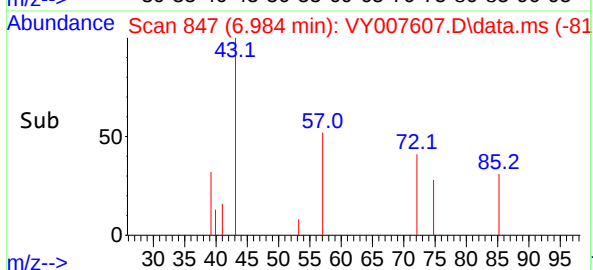
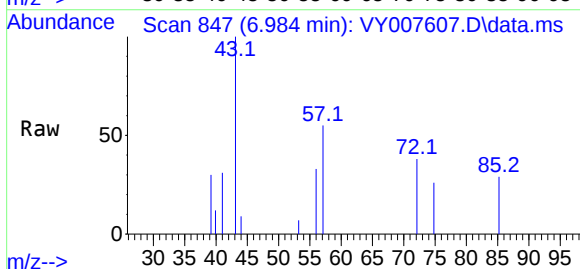
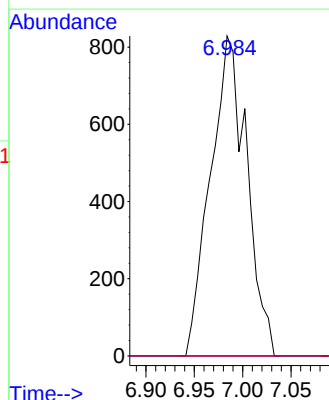
Tgt Ion: 43 Resp: 2163

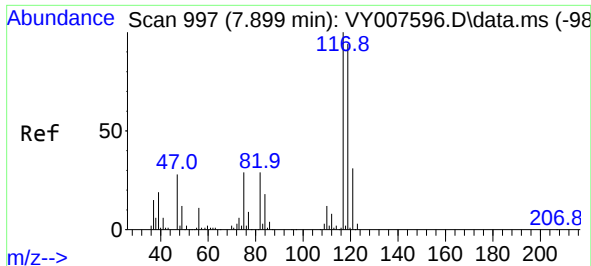
Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

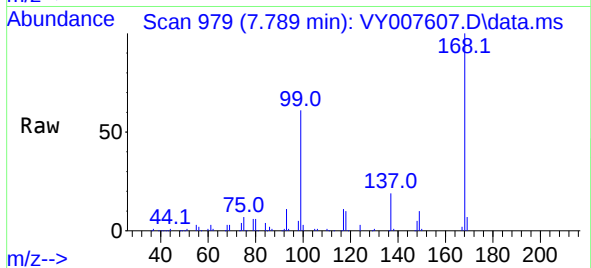
70 0.0 7.1 10.7#



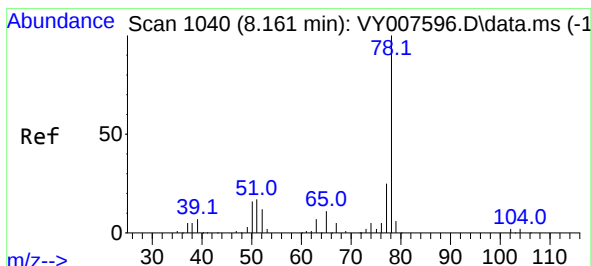
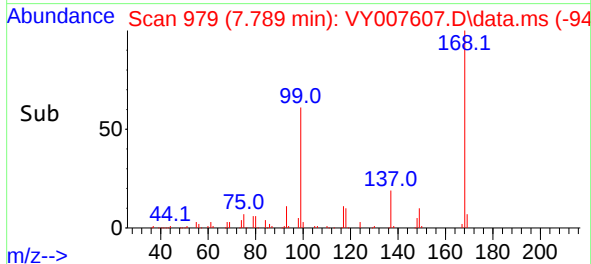
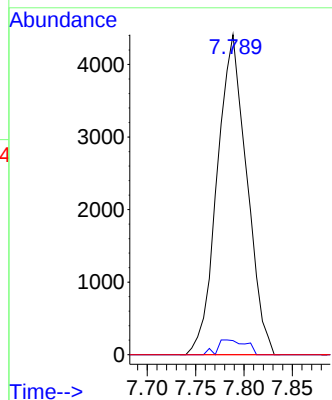


#38
Carbon Tetrachloride
Concen: 4.485 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007607.D
Acq: 23 Feb 2022 18:53

Instrument :
MSVOA_Y
ClientSampleId :
D12-12.5

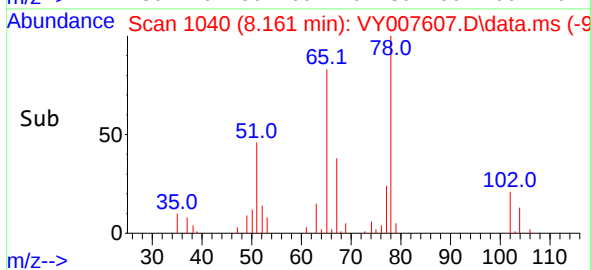
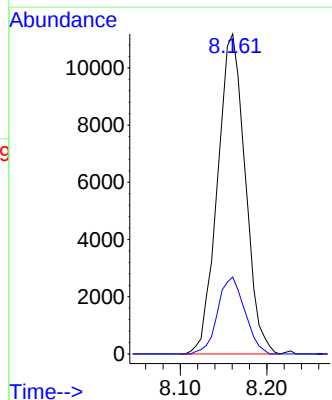
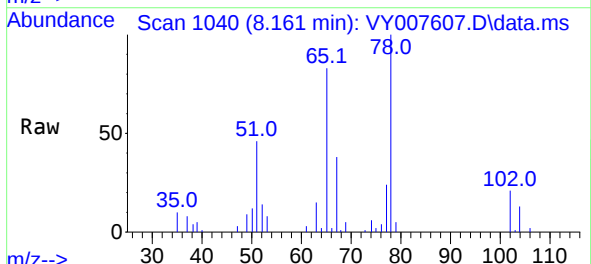


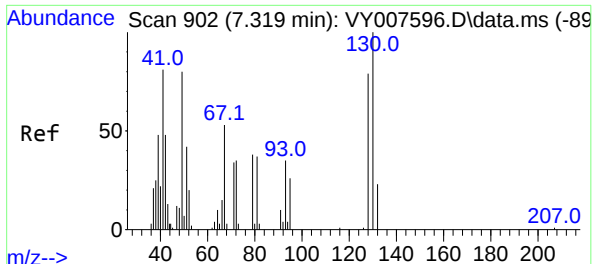
Tgt Ion:117 Resp: 9383
Ion Ratio Lower Upper
117 100
119 4.4 77.9 116.9#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 6.106 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY007607.D
Acq: 23 Feb 2022 18:53

Tgt Ion: 78 Resp: 24892
Ion Ratio Lower Upper
78 100
77 24.1 20.4 30.6

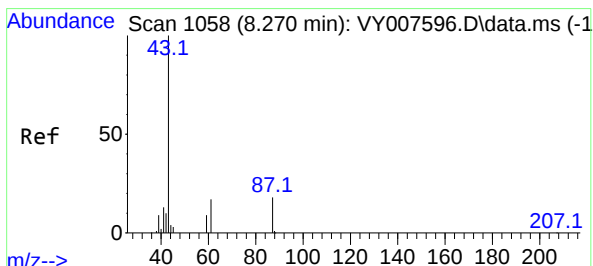
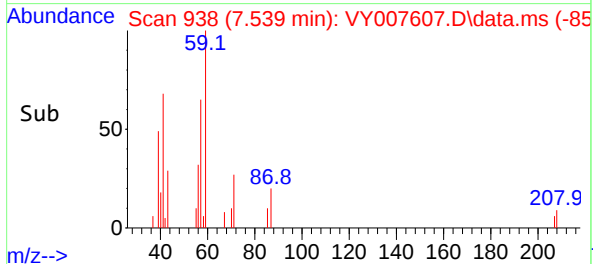
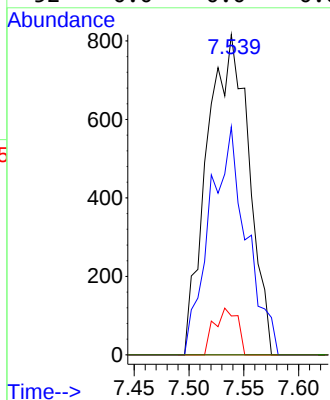
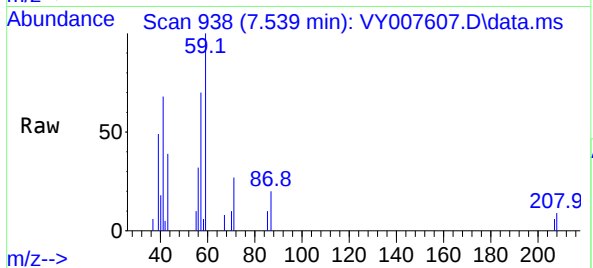




#41
Methacrylonitrile
Concen: 6.106 ug/l
RT: 7.539 min Scan# 91
Delta R.T. 0.220 min
Lab File: VY007607.D
Acq: 23 Feb 2022 18:53

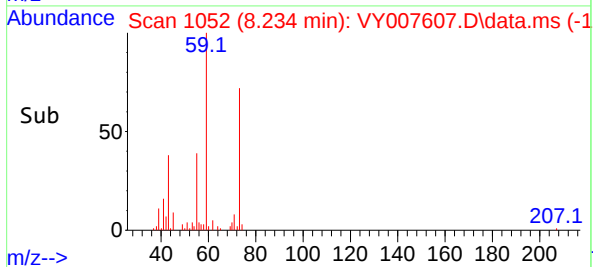
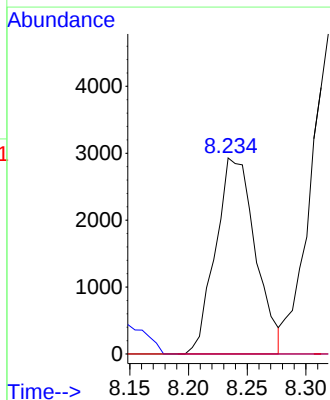
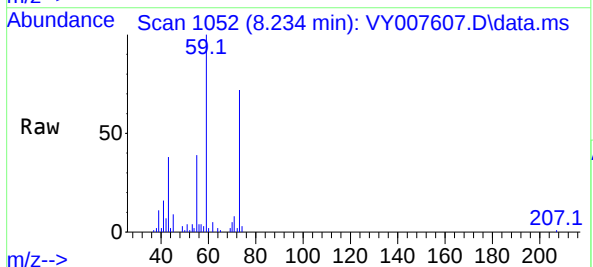
Instrument :
MSVOA_Y
ClientSampleId :
D12-12.5

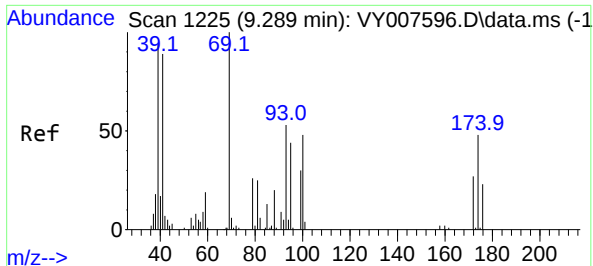
Tgt Ion:	41	Resp:	2166
Ion	Ratio	Lower	Upper
41	100		
39	63.0	92.9	139.3#
67	8.0	0.0	0.0#
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 5.254 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. -0.036 min
Lab File: VY007607.D
Acq: 23 Feb 2022 18:53

Tgt Ion:	43	Resp:	6903
Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.2	30.2#
87	0.0	8.9	13.3#





#48

Methyl methacrylate

Concen: 1.989 ug/l

RT: 9.325 min Scan# 11

Delta R.T. 0.036 min

Lab File: VY007607.D

Acq: 23 Feb 2022 18:53

Instrument :

MSVOA_Y

ClientSampleId :

D12-12.5

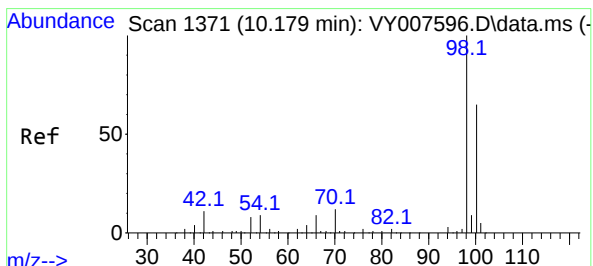
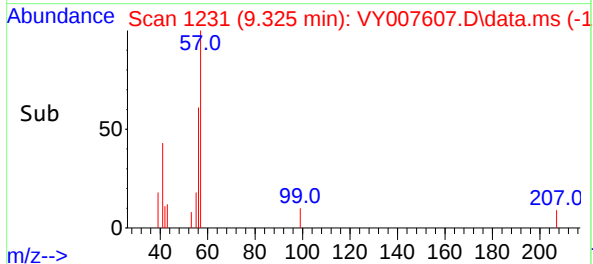
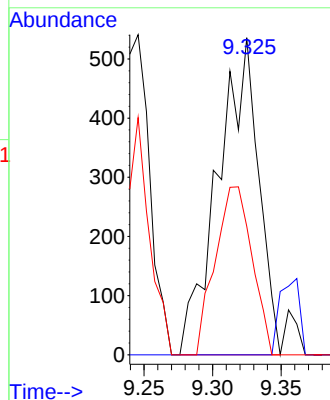
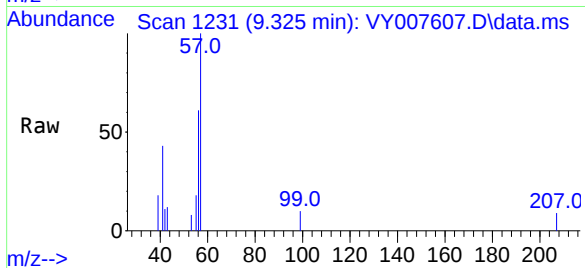
Tgt Ion: 41 Resp: 1102

Ion Ratio Lower Upper

41 100

69 0.0 58.2 87.2#

39 48.2 47.4 71.0



#50

Toluene-d8

Concen: 50.356 ug/l

RT: 10.178 min Scan# 1371

Delta R.T. -0.001 min

Lab File: VY007607.D

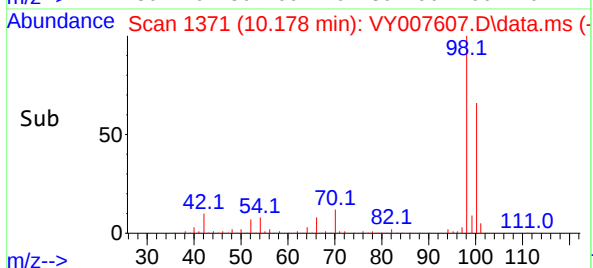
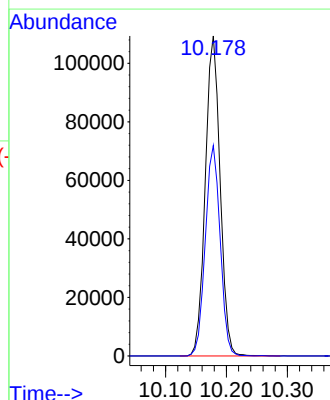
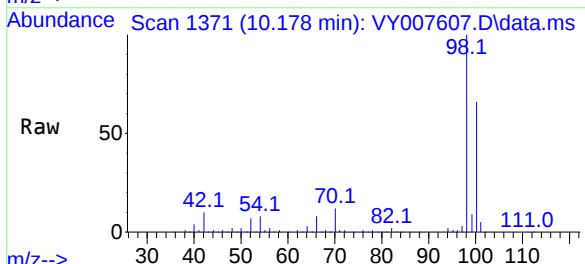
Acq: 23 Feb 2022 18:53

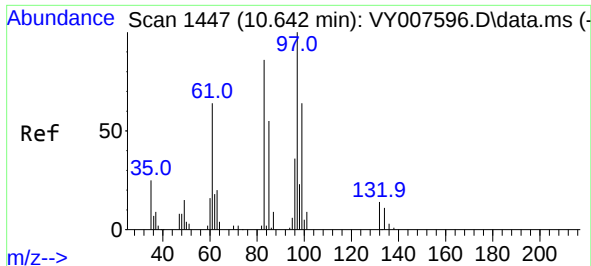
Tgt Ion: 98 Resp: 184821

Ion Ratio Lower Upper

98 100

100 65.8 50.2 75.2

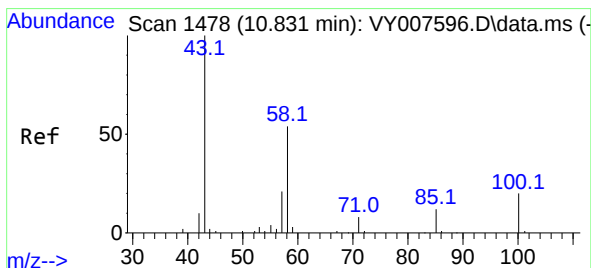
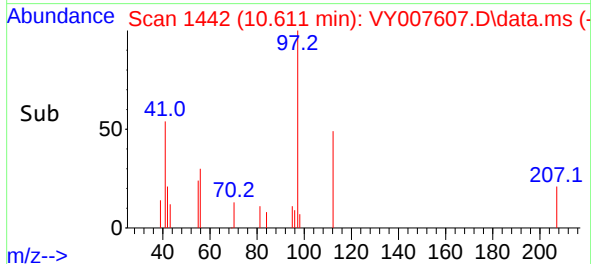
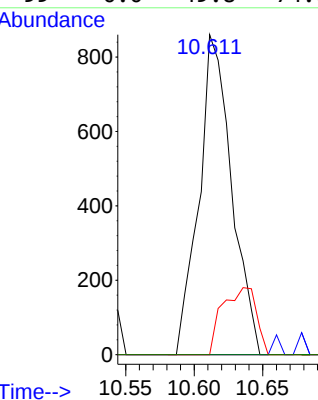
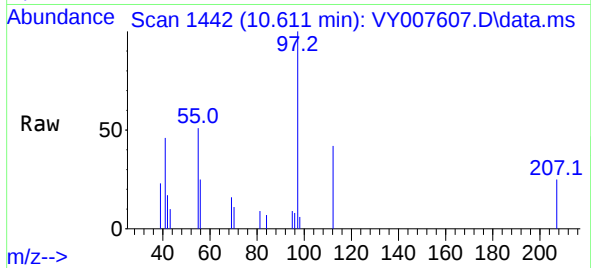




#55
1,1,2-Trichloroethane
Concen: 1.487 ug/l
RT: 10.611 min Scan# 1442
Delta R.T. -0.031 min
Lab File: VY007607.D
Acq: 23 Feb 2022 18:53

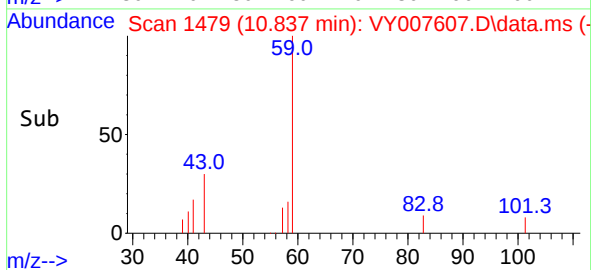
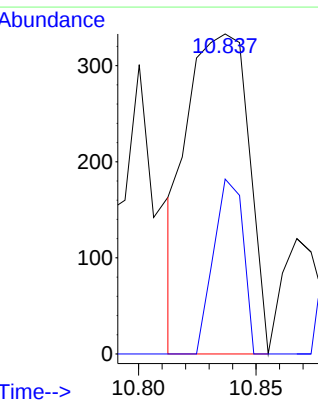
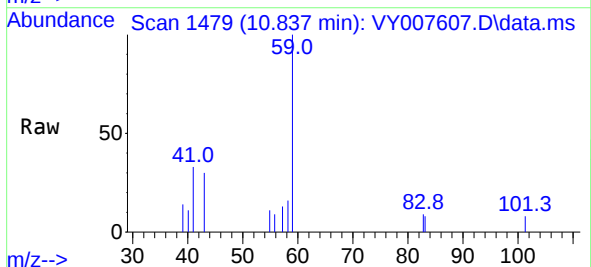
Instrument :
MSVOA_Y
ClientSampleId :
D12-12.5

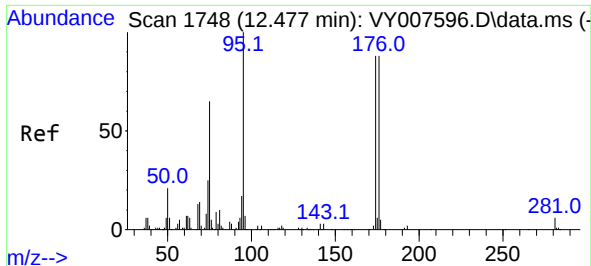
Tgt Ion: 97	Resp:	1425
Ion	Ratio	Lower Upper
97	100	
83	0.0	69.8 104.8#
85	0.0	44.3 66.5#
99	0.0	49.8 74.6#



#59
2-Hexanone
Concen: 1.286 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VY007607.D
Acq: 23 Feb 2022 18:53

Tgt Ion: 43	Resp:	606
Ion	Ratio	Lower Upper
43	100	
58	26.4	24.4 73.4

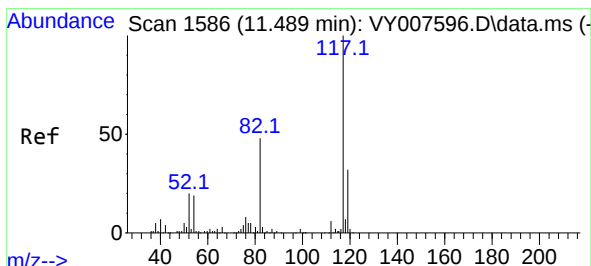
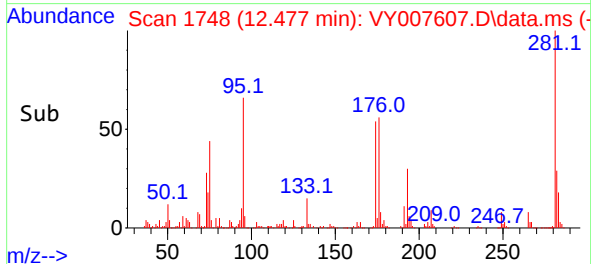
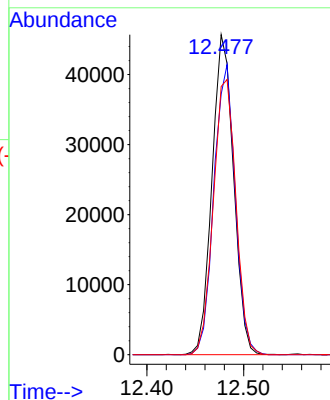
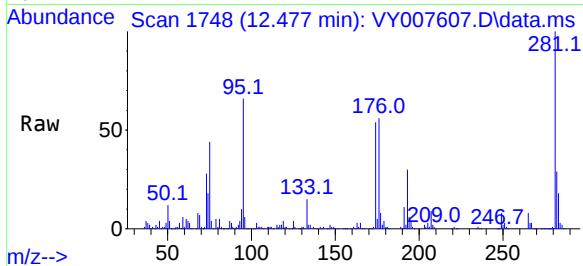




#62
4-Bromofluorobenzene
Concen: 56.449 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY007607.D
Acq: 23 Feb 2022 18:53

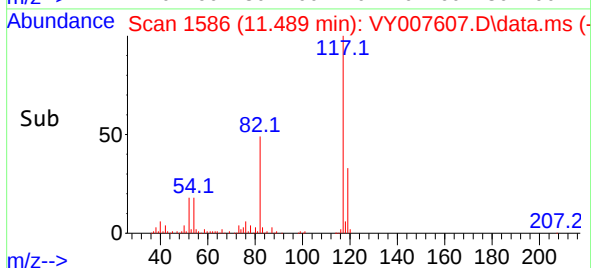
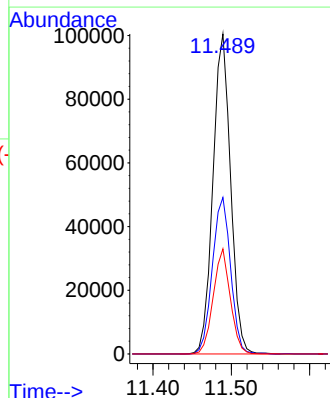
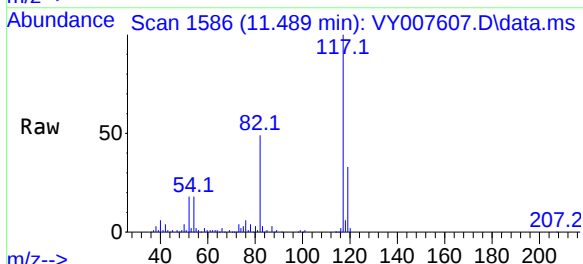
Instrument :
MSVOA_Y
ClientSampleId :
D12-12.5

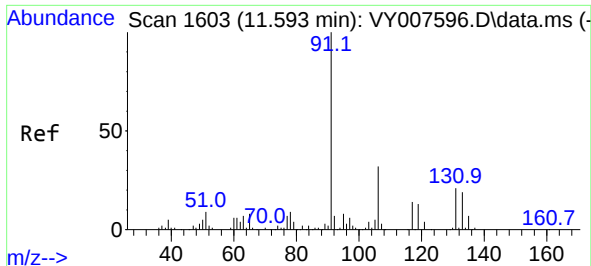
Tgt Ion:	95	Resp:	70767
Ion Ratio	Lower	Upper	
95	100		
174	89.6	0.0	177.0
176	90.0	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY007607.D
Acq: 23 Feb 2022 18:53

Tgt Ion:	117	Resp:	157115
Ion Ratio	Lower	Upper	
117	100		
82	48.9	43.0	64.4
119	32.8	25.4	38.0

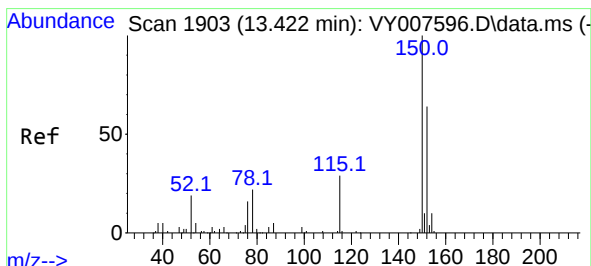
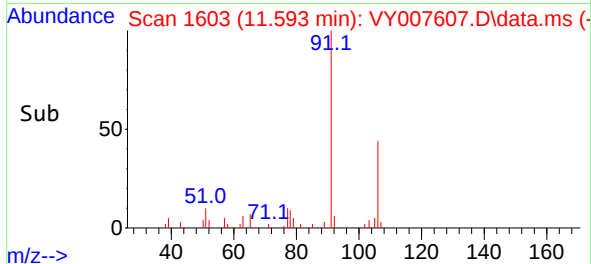
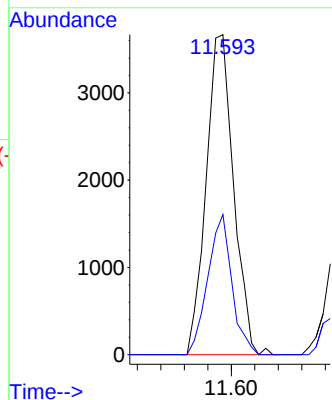
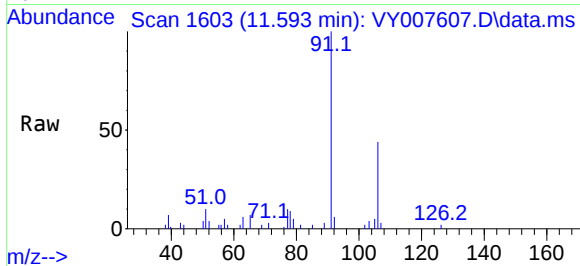




#67
Ethyl Benzene
Concen: 1.036 ug/l
RT: 11.593 min Scan# 11593
Delta R.T. -0.000 min
Lab File: VY007607.D
Acq: 23 Feb 2022 18:53

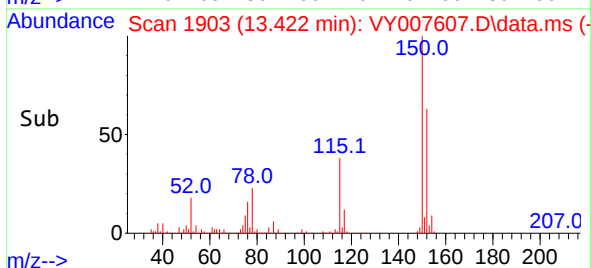
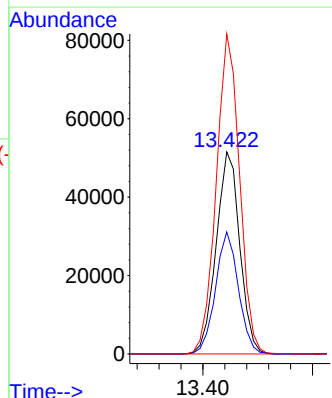
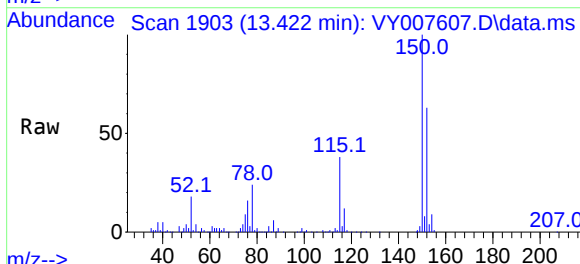
Instrument :
MSVOA_Y
ClientSampleId :
D12-12.5

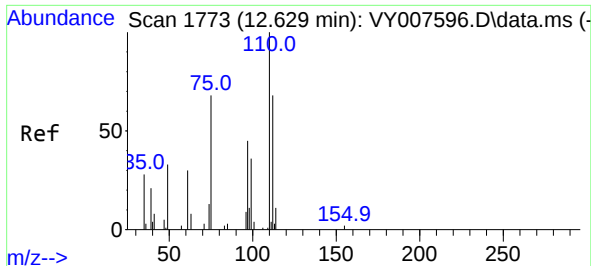
Tgt Ion: 91 Resp: 5951
Ion Ratio Lower Upper
91 100
106 43.8 24.5 36.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY007607.D
Acq: 23 Feb 2022 18:53

Tgt Ion:152 Resp: 76953
Ion Ratio Lower Upper
152 100
115 58.7 28.2 84.7
150 156.7 0.0 347.6

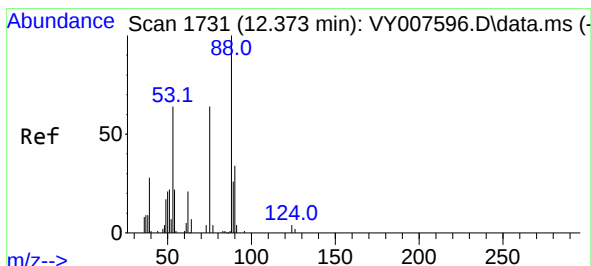
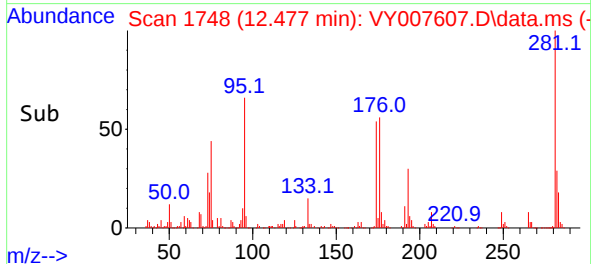
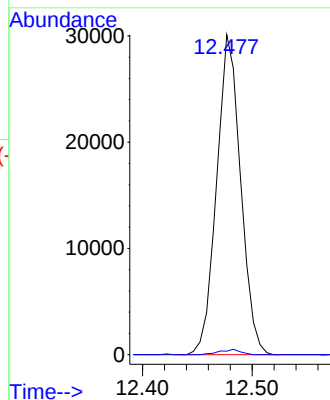
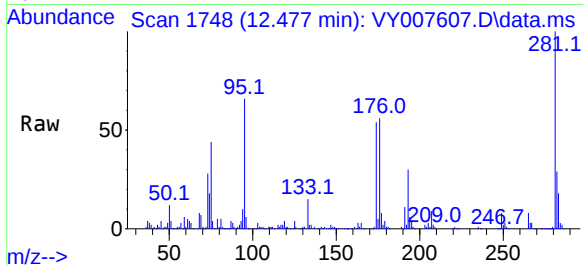




#76
1,2,3-Trichloropropane
Concen: 59.515 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY007607.D
Acq: 23 Feb 2022 18:53

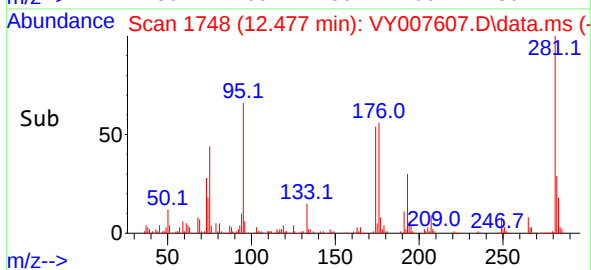
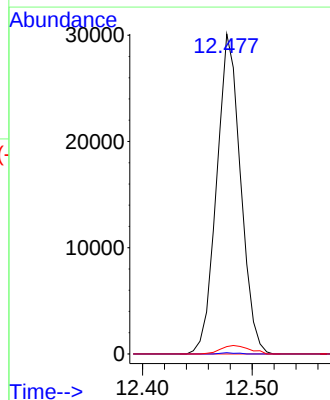
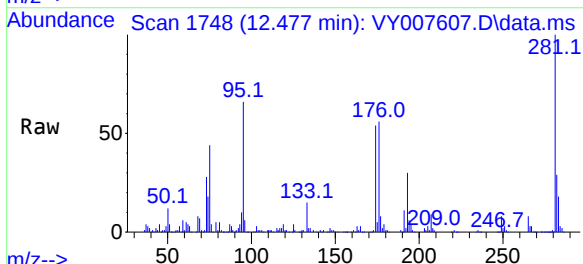
Instrument :
MSVOA_Y
ClientSampleId :
D12-12.5

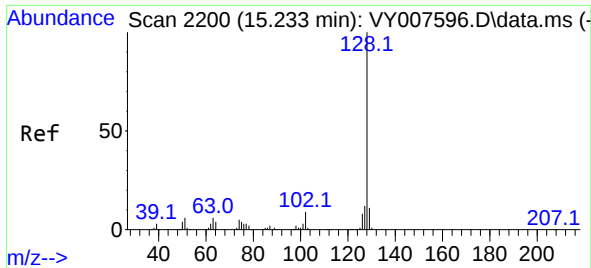
Tgt Ion: 75 Resp: 45805
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.966 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY007607.D
Acq: 23 Feb 2022 18:53

Tgt Ion: 75 Resp: 45805
Ion Ratio Lower Upper
75 100
53 0.3 85.3 127.9#
89 3.2 37.0 55.4#





#95

Naphthalene

Concen: 3.854 ug/l

RT: 15.232 min Scan# 21

Delta R.T. -0.001 min

Lab File: VY007607.D

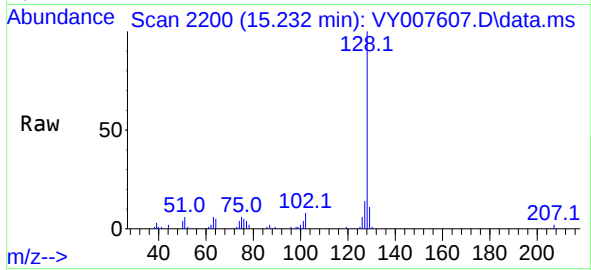
Acq: 23 Feb 2022 18:53

Instrument :

MSVOA_Y

ClientSampleId :

D12-12.5



Tgt Ion:128 Resp: 15041

Ion Ratio Lower Upper

128 100

127 12.5 11.0 16.4

129 10.8 8.4 12.6

