

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022322\
 Data File : VY007609.D
 Acq On : 23 Feb 2022 19:40
 Operator : SY/MD
 Sample : N1584-12
 Misc : 6.26g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D15-10.5

Quant Time: Feb 24 08:25:33 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)

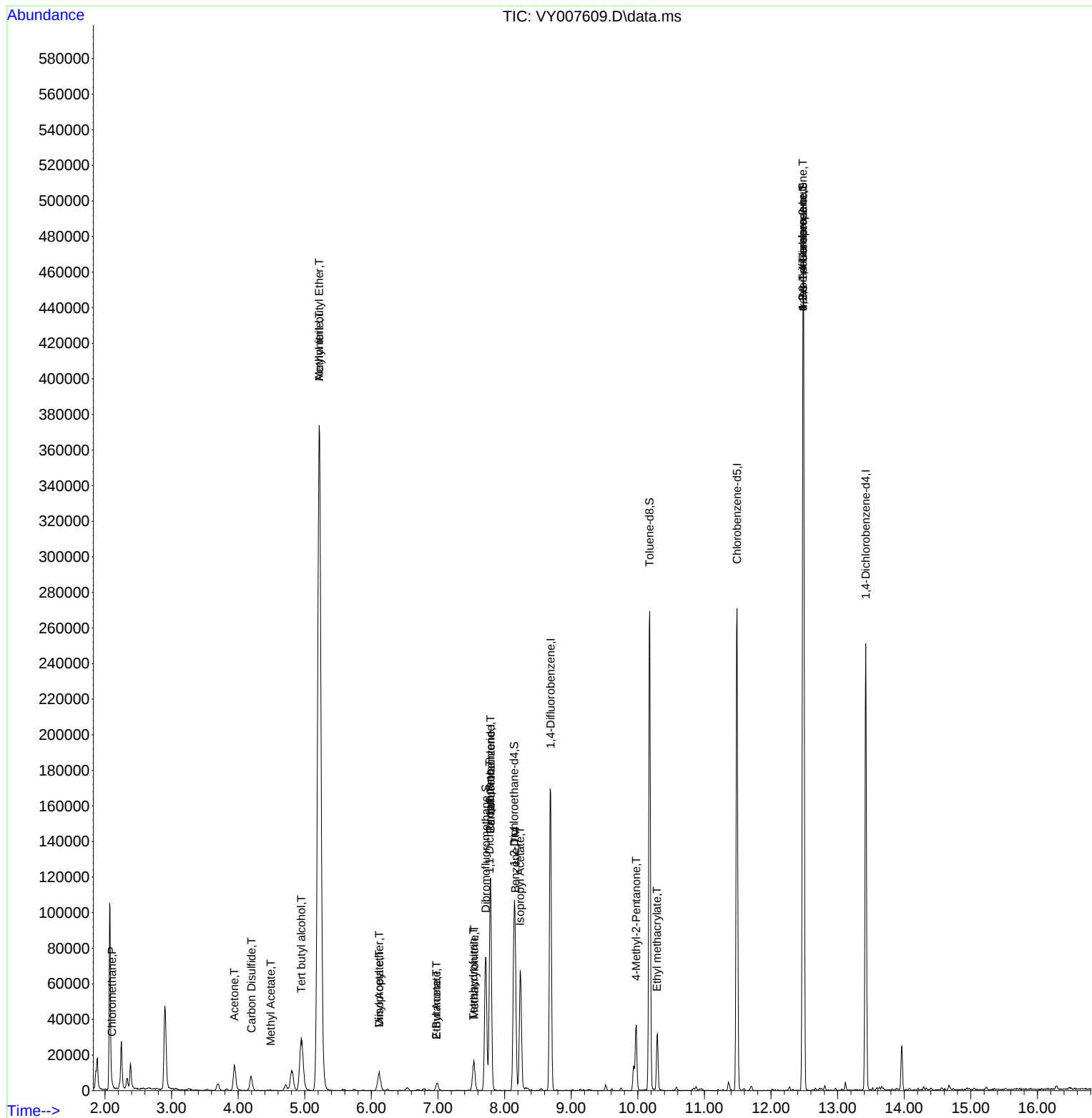
Internal Standards						
1) Pentafluorobenzene	7.789	168	90772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	154009	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	146980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	62357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	51646	51.145	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.280%			
35) Dibromofluoromethane	7.716	113	50571	52.040	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.080%			
50) Toluene-d8	10.179	98	181263	50.384	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.760%			
62) 4-Bromofluorobenzene	12.477	95	62830	51.133	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.260%			
Target Compounds						Qvalue
3) Chloromethane	2.107	50	588	1.276	ug/l	97
5) Bromomethane	2.656	94	273	Below Cal		84
11) Tert butyl alcohol	4.948	59	62108	610.673	ug/l #	91
15) Acrylonitrile	5.216	53	7368	32.596	ug/l #	20
16) Acetone	3.942	43	22995	99.989	ug/l #	77
17) Carbon Disulfide	4.198	76	16184	6.351	ug/l #	92
18) Methyl Acetate	4.491	43	334	1.900	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	712632	258.604	ug/l	91
20) Methylene Chloride	4.716	84	2429	Below Cal	#	64
22) Diisopropyl ether	6.119	45	10596	5.320	ug/l	91
23) Vinyl Acetate	6.119	43	6123	4.261	ug/l #	75
25) 2-Butanone	6.978	43	6838	26.226	ug/l #	87
29) Tetrahydrofuran	7.533	42	660	4.349	ug/l #	38
31) Cyclohexane	7.783	56	3298	Below Cal	#	36
36) 1,1-Dichloropropene	7.777	75	6419	4.584	ug/l #	55
37) Ethyl Acetate	6.978	43	6838	10.846	ug/l #	72
38) Carbon Tetrachloride	7.789	117	9261	4.516	ug/l #	14
40) Benzene	8.161	78	68151	17.057	ug/l	97
41) Methacrylonitrile	7.545	41	6456	18.568	ug/l #	1
43) Isopropyl Acetate	8.234	43	15531	12.061	ug/l #	59
51) 4-Methyl-2-Pentanone	9.978	43	7572	11.683	ug/l #	67
56) Ethyl methacrylate	10.289	69	2392	2.161	ug/l #	74
76) 1,2,3-Trichloropropane	12.477	75	39211	62.872	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	39211	135.185	ug/l #	9

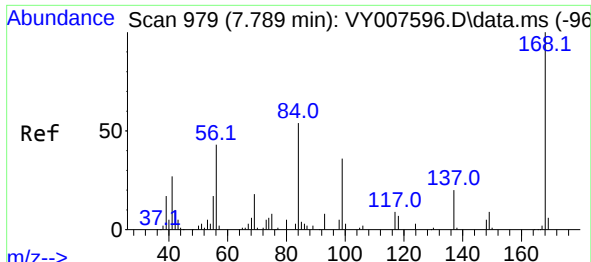
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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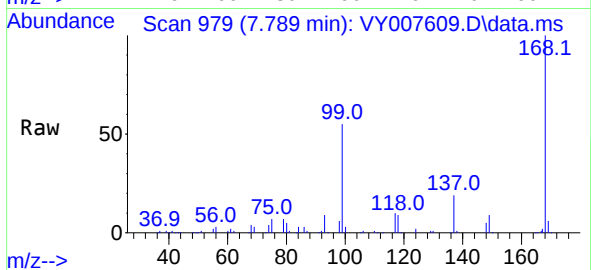
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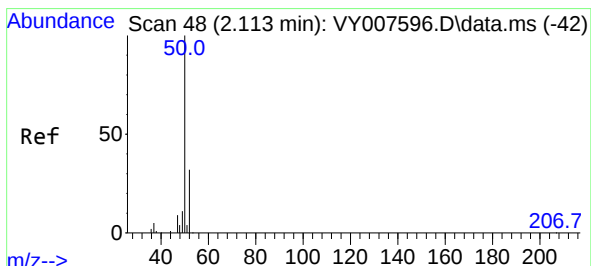
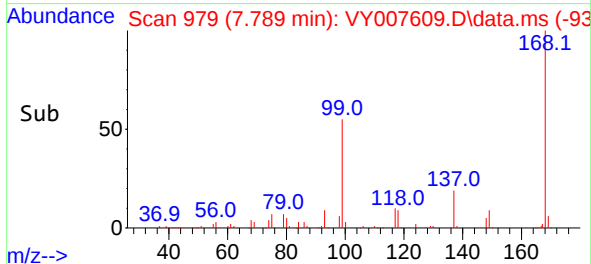
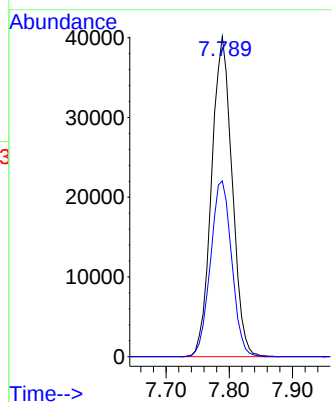


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007609.D
Acq: 23 Feb 2022 19:40

Instrument :
MSVOA_Y
ClientSampleId :
D15-10.5

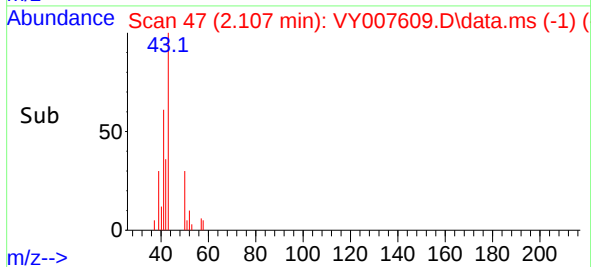
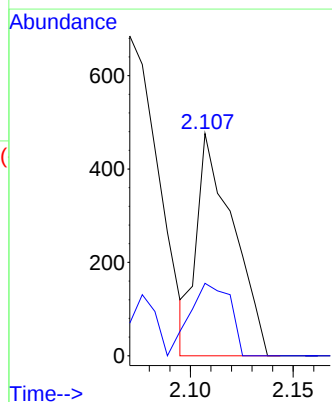
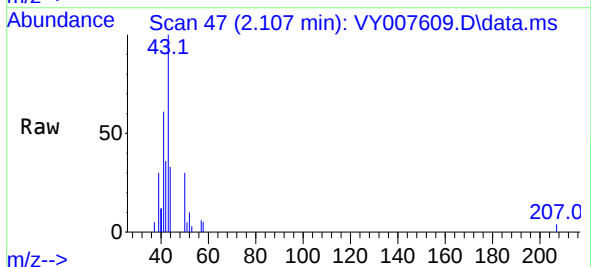


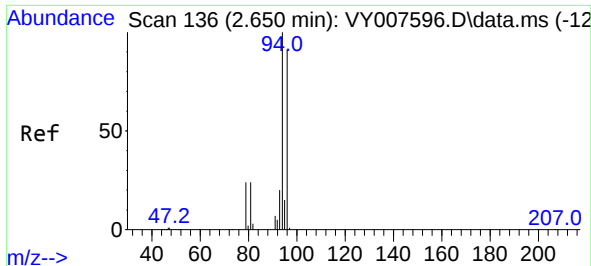
Tgt Ion:168 Resp: 90772
Ion Ratio Lower Upper
168 100
99 55.0 46.9 70.3



#3
Chloromethane
Concen: 1.276 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY007609.D
Acq: 23 Feb 2022 19:40

Tgt Ion: 50 Resp: 588
Ion Ratio Lower Upper
50 100
52 32.6 24.6 37.0

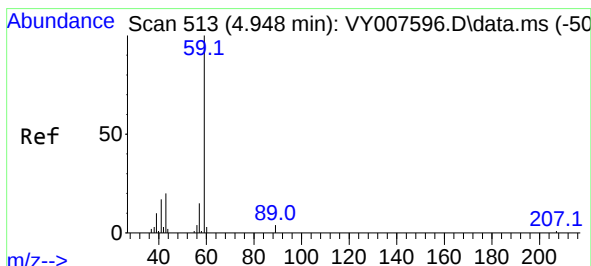
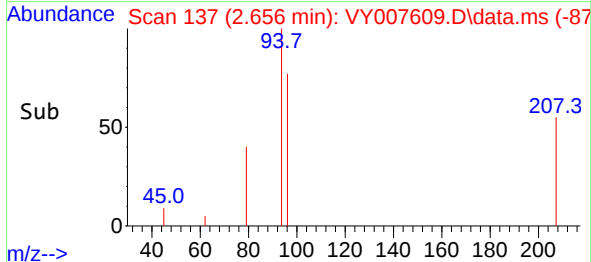
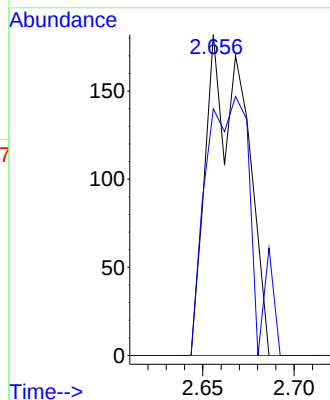
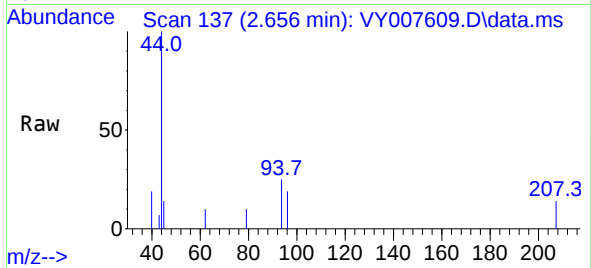




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007609.D
Acq: 23 Feb 2022 19:40

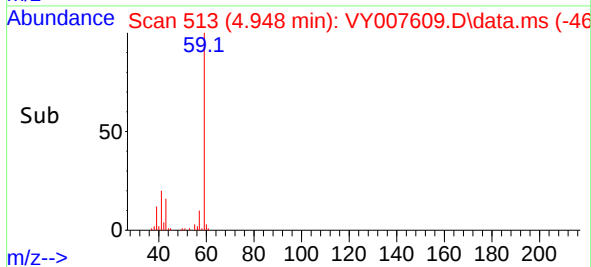
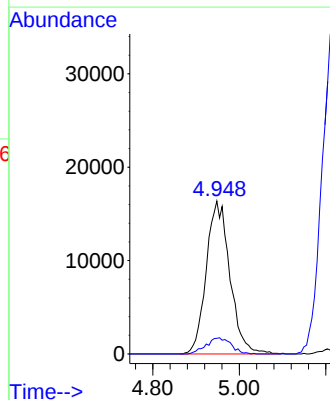
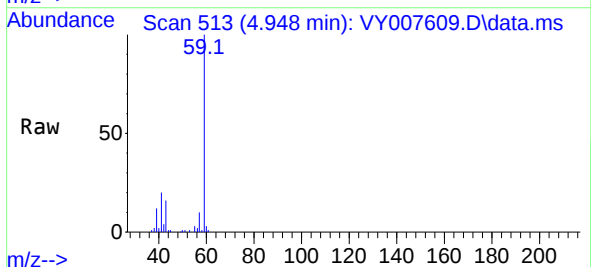
Instrument :
MSVOA_Y
ClientSampleId :
D15-10.5

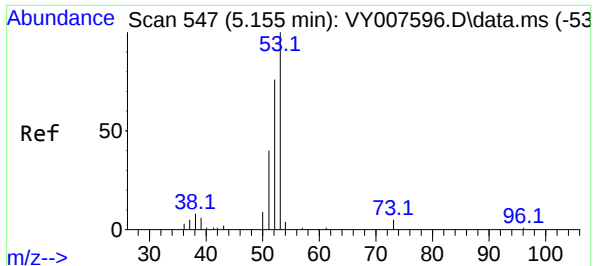
Tgt Ion: 94 Resp: 273
Ion Ratio Lower Upper
94 100
96 76.9 73.5 110.3



#11
Tert butyl alcohol
Concen: 610.673 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY007609.D
Acq: 23 Feb 2022 19:40

Tgt Ion: 59 Resp: 62108
Ion Ratio Lower Upper
59 100
57 11.1 6.4 9.6#

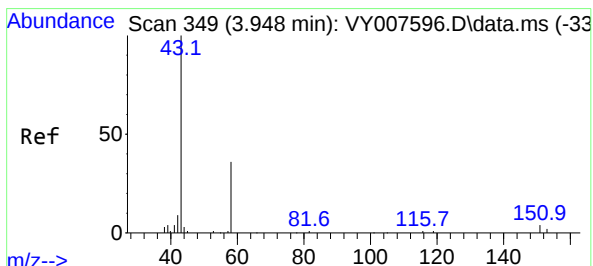
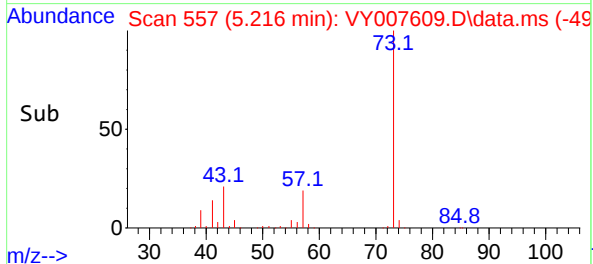
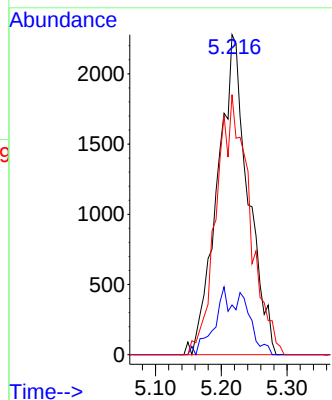
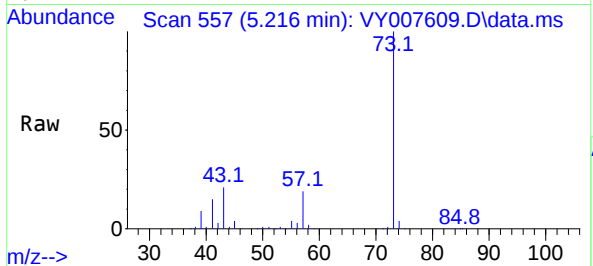




#15
Acrylonitrile
Concen: 32.596 ug/l
RT: 5.216 min Scan# 51
Delta R.T. 0.061 min
Lab File: VY007609.D
Acq: 23 Feb 2022 19:40

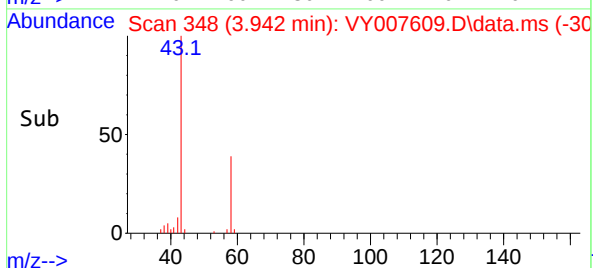
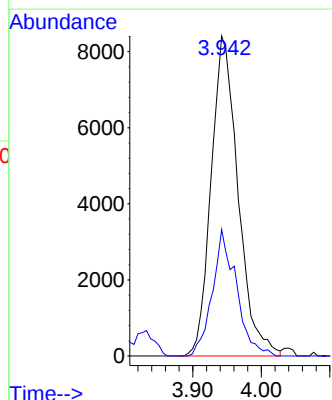
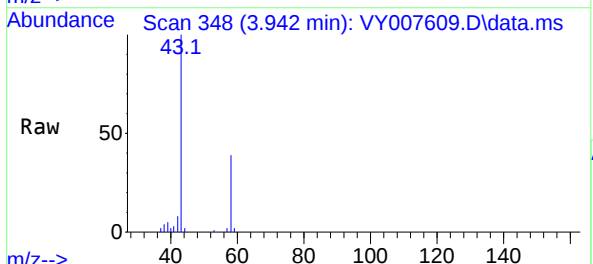
Instrument :
MSVOA_Y
ClientSampleId :
D15-10.5

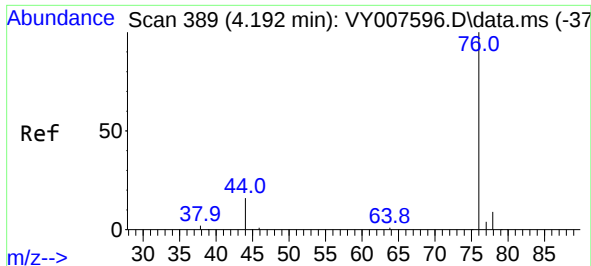
Tgt Ion: 53 Resp: 7368
Ion Ratio Lower Upper
53 100
52 13.1 67.0 100.4#
51 88.5 29.8 44.6#



#16
Acetone
Concen: 99.989 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY007609.D
Acq: 23 Feb 2022 19:40

Tgt Ion: 43 Resp: 22995
Ion Ratio Lower Upper
43 100
58 39.5 22.0 33.0#





#17

Carbon Disulfide

Concen: 6.351 ug/l

RT: 4.198 min Scan# 389

Delta R.T. 0.006 min

Lab File: VY007609.D

Acq: 23 Feb 2022 19:40

Instrument :

MSVOA_Y

ClientSampleId :

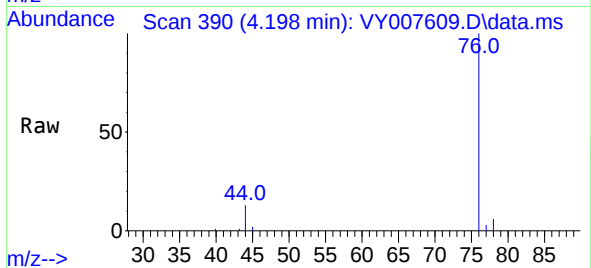
D15-10.5

Tgt Ion: 76 Resp: 16184

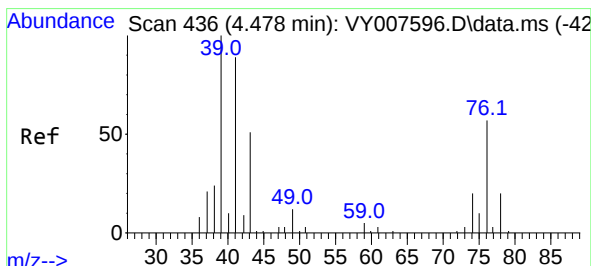
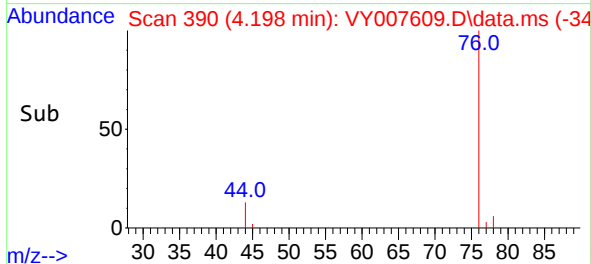
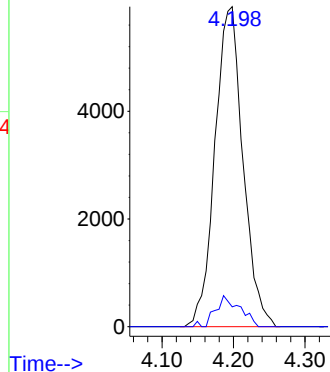
Ion Ratio Lower Upper

76 100

78 6.2 7.4 11.0#



Abundance



#18

Methyl Acetate

Concen: 1.900 ug/l

RT: 4.491 min Scan# 438

Delta R.T. 0.013 min

Lab File: VY007609.D

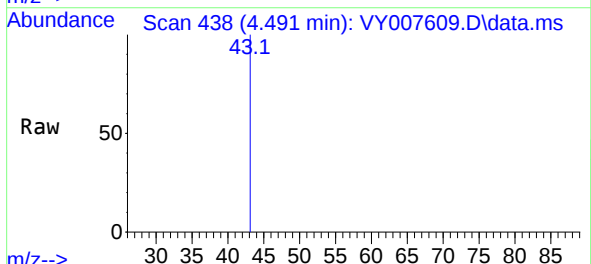
Acq: 23 Feb 2022 19:40

Tgt Ion: 43 Resp: 334

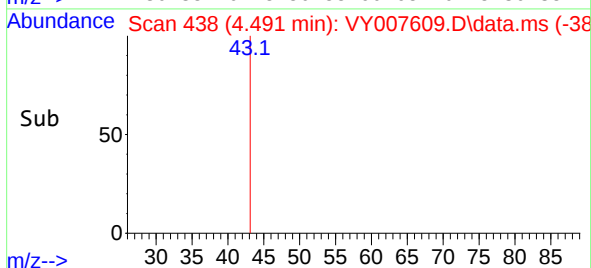
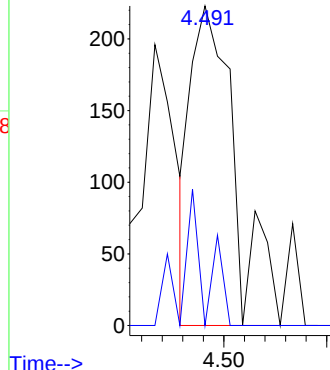
Ion Ratio Lower Upper

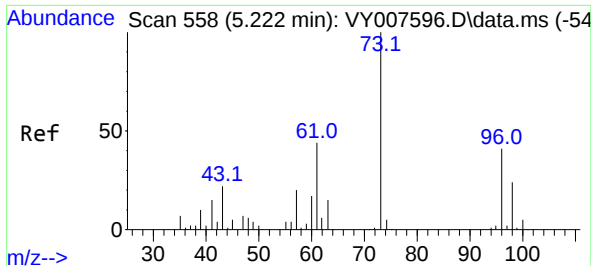
43 100

74 22.8 16.6 24.8



Abundance

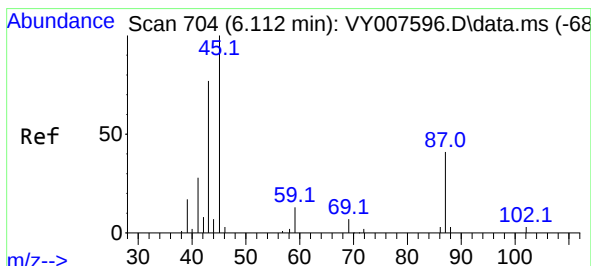
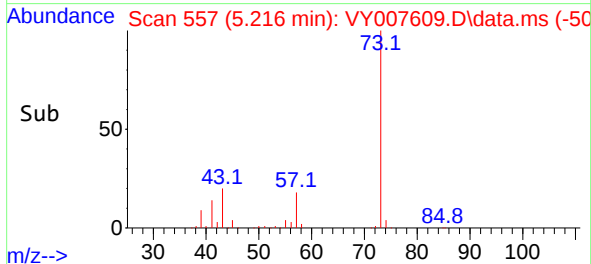
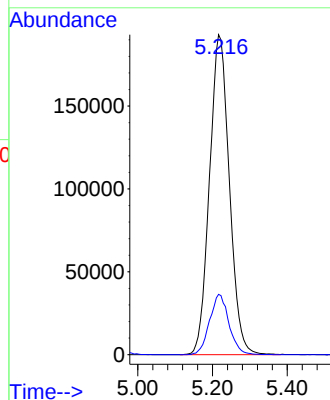
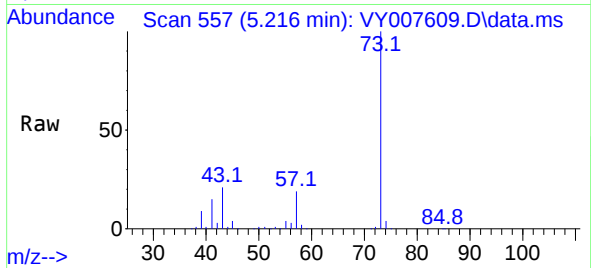




#19
Methyl tert-butyl Ether
Concen: 258.604 ug/l
RT: 5.216 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY007609.D
Acq: 23 Feb 2022 19:40

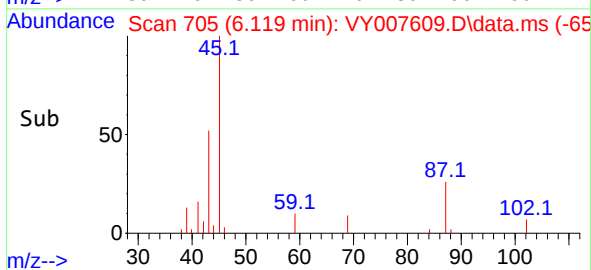
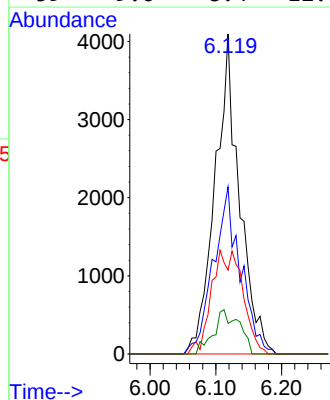
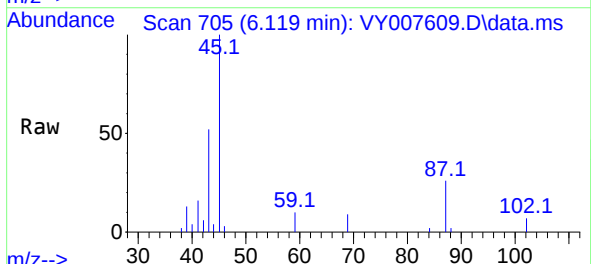
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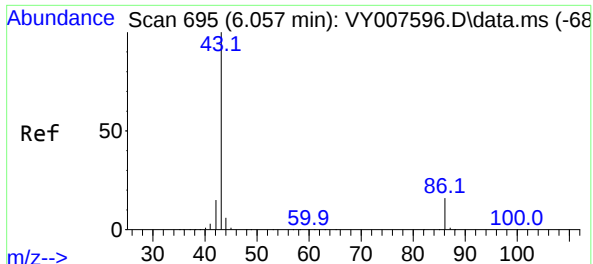
Tgt Ion: 73 Resp: 712632
Ion Ratio Lower Upper
73 100
57 18.9 18.6 27.8



#22
Diisopropyl ether
Concen: 5.320 ug/l
RT: 6.119 min Scan# 705
Delta R.T. 0.007 min
Lab File: VY007609.D
Acq: 23 Feb 2022 19:40

Tgt Ion: 45 Resp: 10596
Ion Ratio Lower Upper
45 100
43 52.2 49.3 73.9
87 26.2 19.2 28.8
59 9.6 8.4 12.6

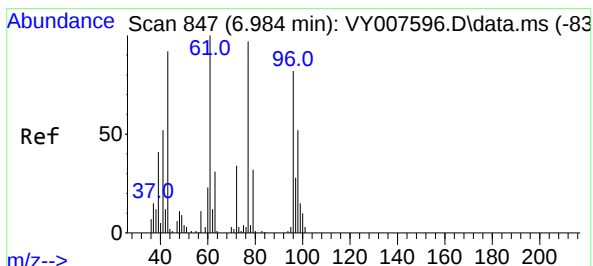
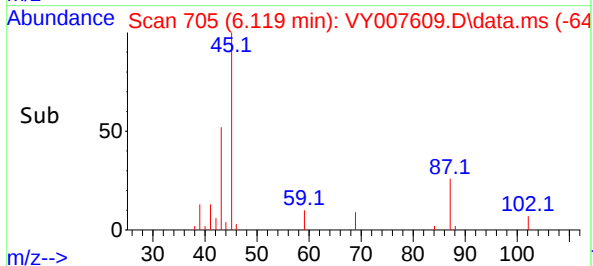
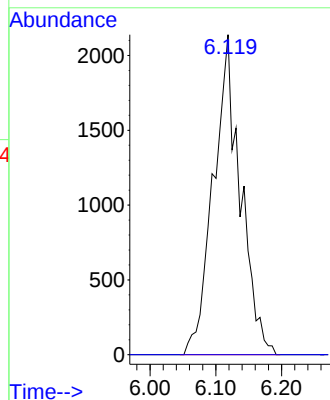
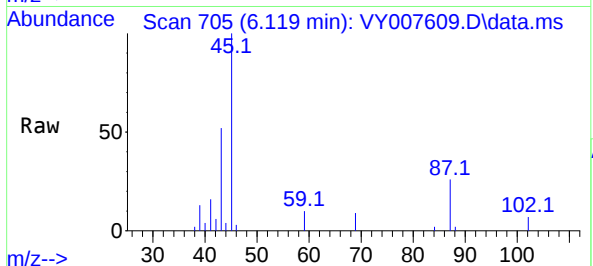




#23
 Vinyl Acetate
 Concen: 4.261 ug/l
 RT: 6.119 min Scan# 705
 Delta R.T. 0.062 min
 Lab File: VY007609.D
 Acq: 23 Feb 2022 19:40

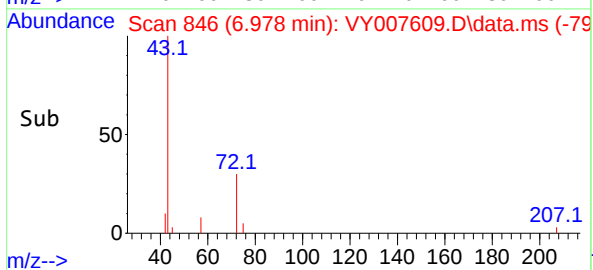
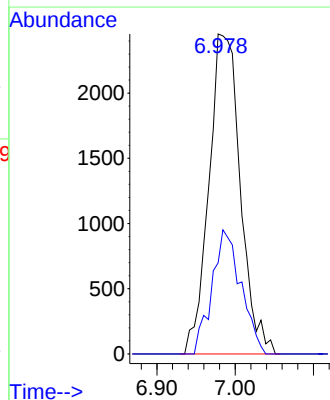
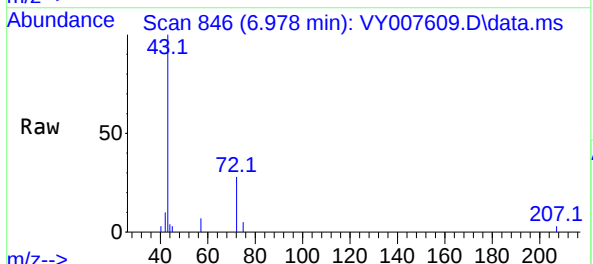
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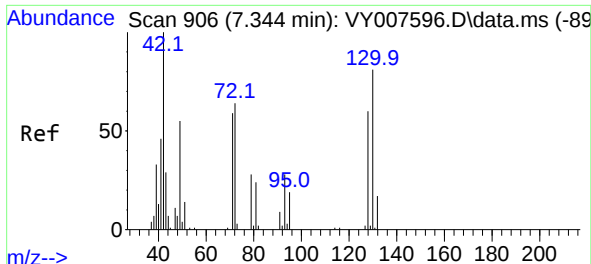
Tgt Ion: 43 Resp: 6123
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 26.226 ug/l
 RT: 6.978 min Scan# 846
 Delta R.T. -0.006 min
 Lab File: VY007609.D
 Acq: 23 Feb 2022 19:40

Tgt Ion: 43 Resp: 6838
 Ion Ratio Lower Upper
 43 100
 72 28.4 17.7 26.5#





#29

Tetrahydrofuran

Concen: 4.349 ug/l

RT: 7.533 min Scan# 91

Delta R.T. 0.189 min

Lab File: VY007609.D

Acq: 23 Feb 2022 19:40

Instrument :

MSVOA_Y

ClientSampleId :

D15-10.5

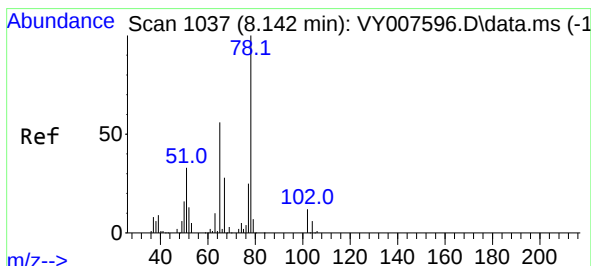
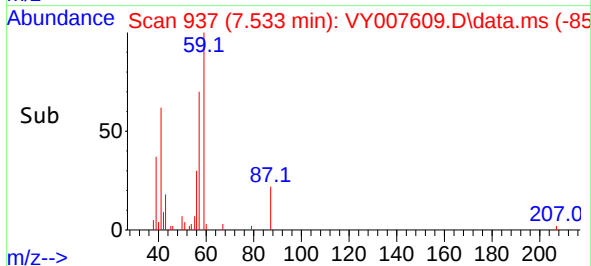
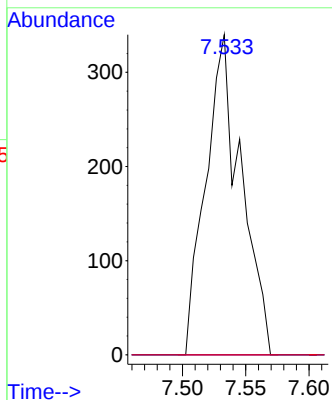
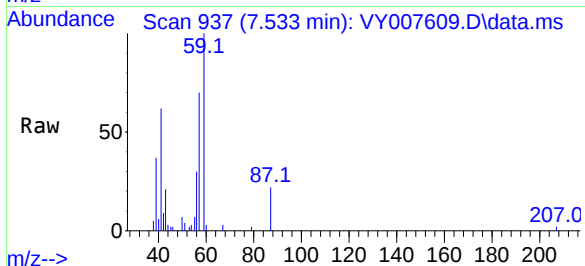
Tgt Ion: 42 Resp: 660

Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

71 0.0 29.0 43.4#



#33

1,2-Dichloroethane-d4

Concen: 51.145 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY007609.D

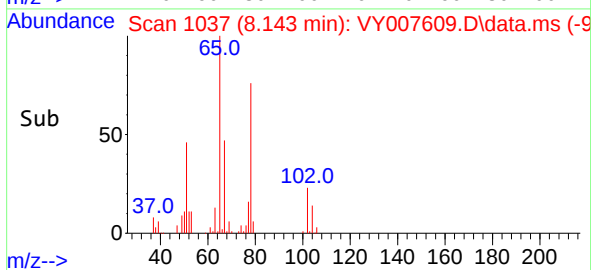
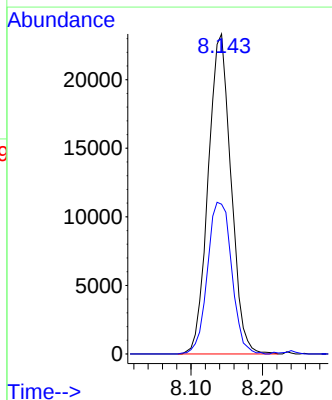
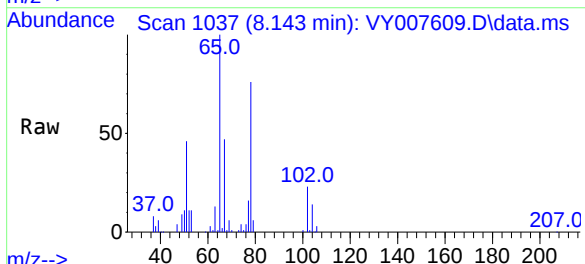
Acq: 23 Feb 2022 19:40

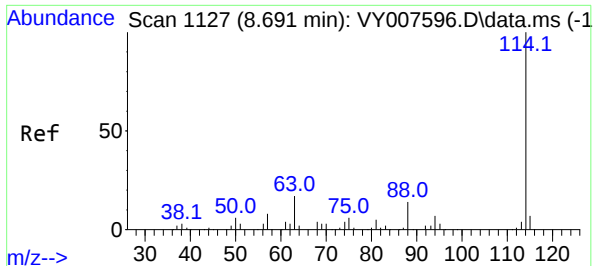
Tgt Ion: 65 Resp: 51646

Ion Ratio Lower Upper

65 100

67 50.4 0.0 99.4

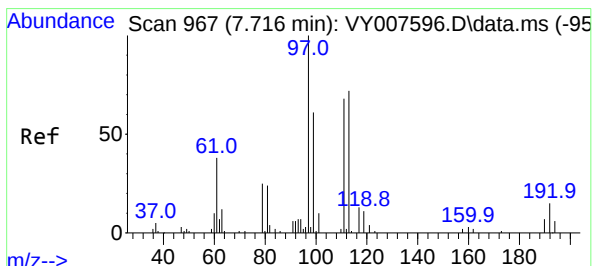
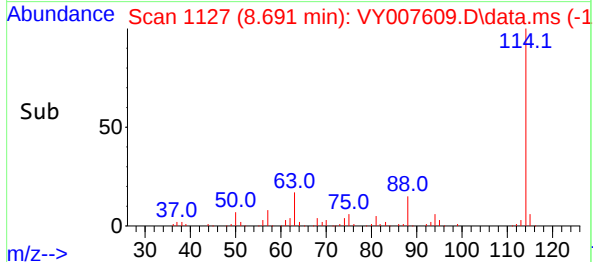
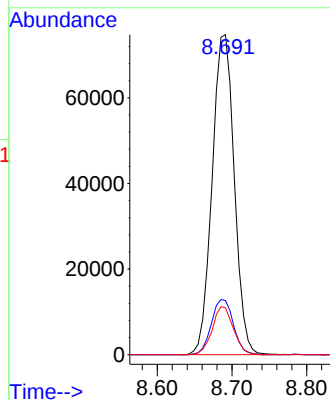
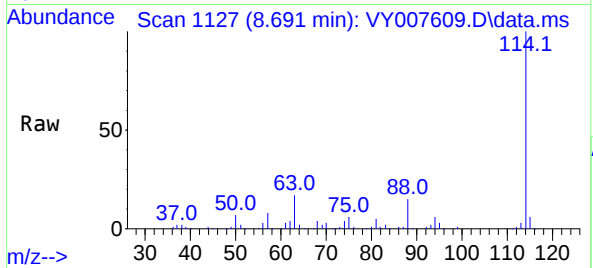




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY007609.D
Acq: 23 Feb 2022 19:40

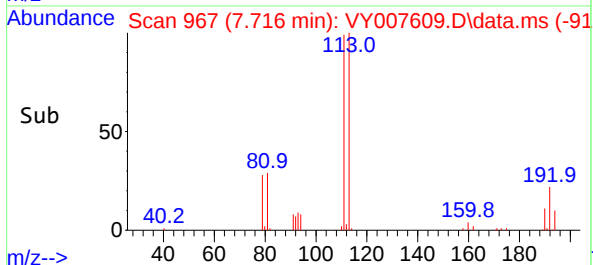
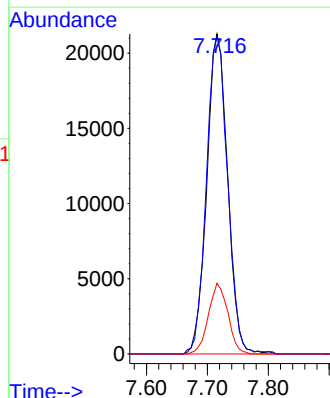
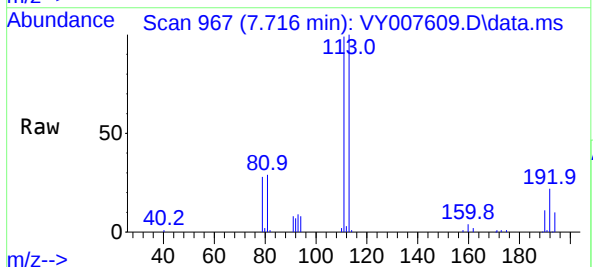
Instrument :
MSVOA_Y
ClientSampleId :
D15-10.5

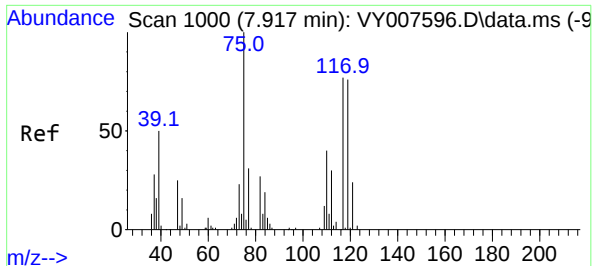
Tgt Ion:114 Resp: 154009
Ion Ratio Lower Upper
114 100
63 16.9 0.0 43.2
88 14.7 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.040 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY007609.D
Acq: 23 Feb 2022 19:40

Tgt Ion:113 Resp: 50571
Ion Ratio Lower Upper
113 100
111 100.9 82.6 124.0
192 20.7 17.6 26.4

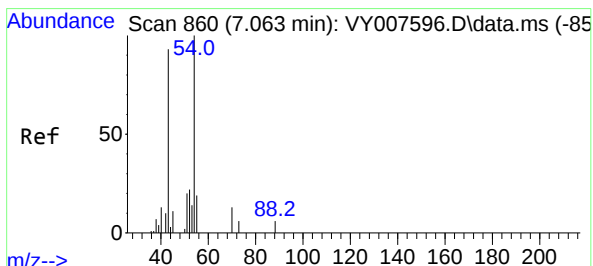
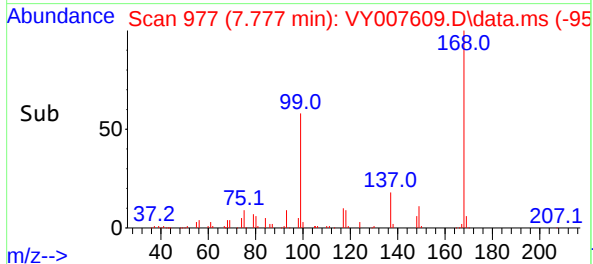
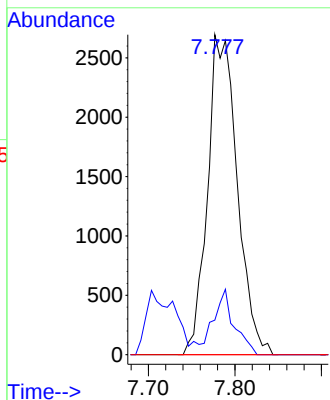
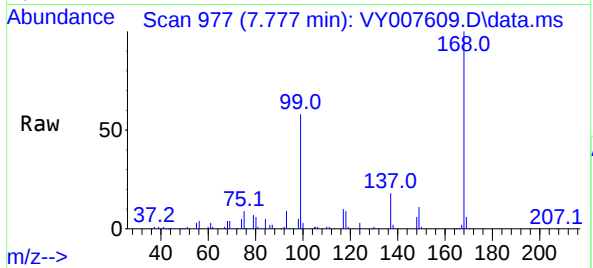




#36
1,1-Dichloropropene
Concen: 4.584 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY007609.D
Acq: 23 Feb 2022 19:40

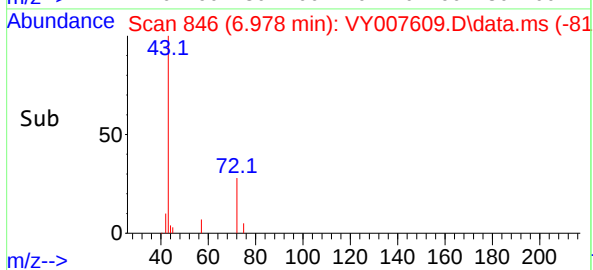
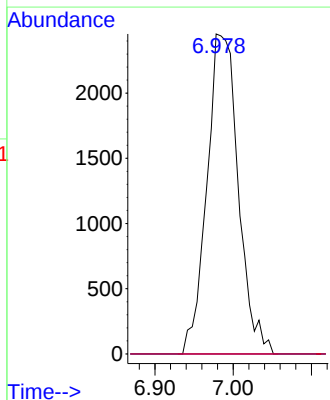
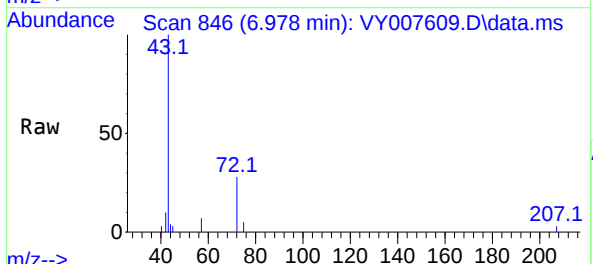
Instrument :
MSVOA_Y
ClientSampleId :
D15-10.5

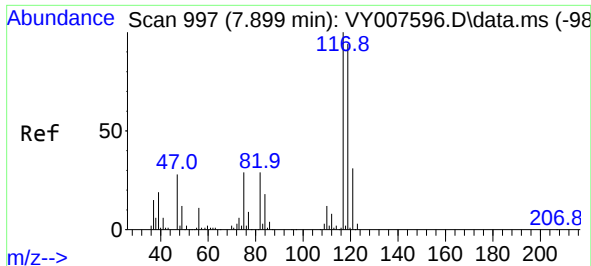
Tgt Ion: 75 Resp: 6419
Ion Ratio Lower Upper
75 100
110 14.2 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 10.846 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.085 min
Lab File: VY007609.D
Acq: 23 Feb 2022 19:40

Tgt Ion: 43 Resp: 6838
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.1 10.7#

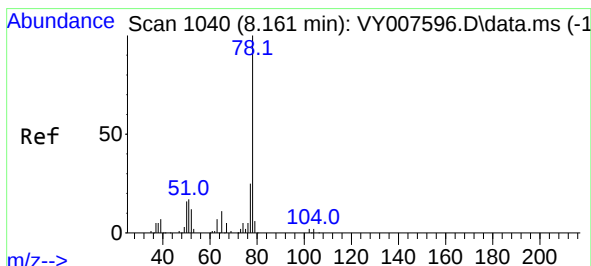
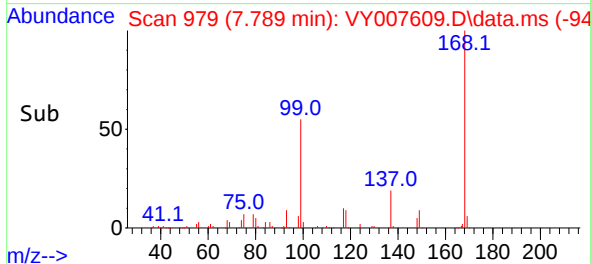
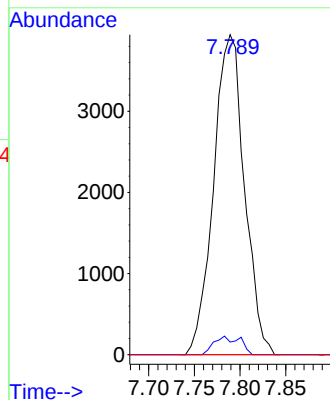
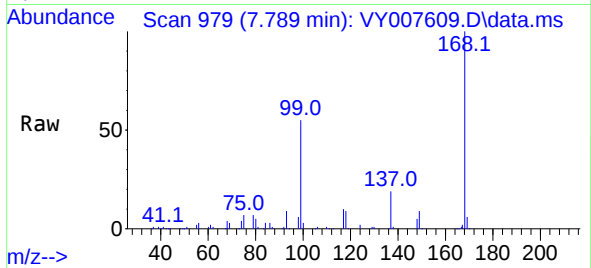




#38
Carbon Tetrachloride
Concen: 4.516 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007609.D
Acq: 23 Feb 2022 19:40

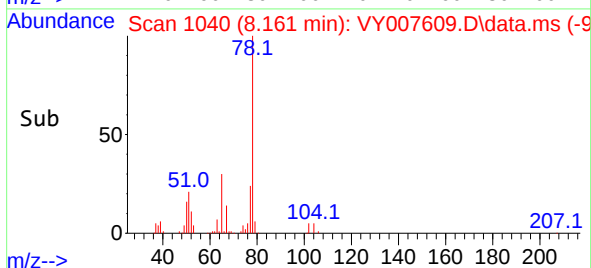
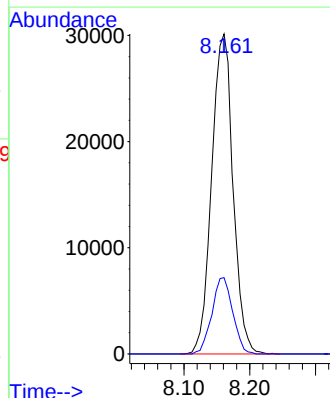
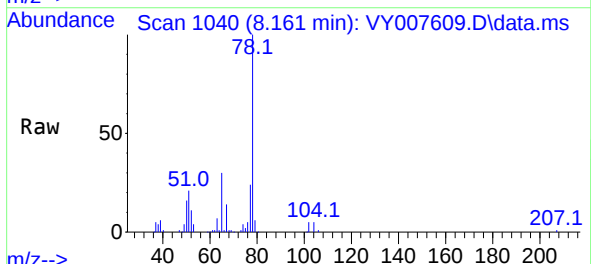
Instrument :
MSVOA_Y
ClientSampleId :
D15-10.5

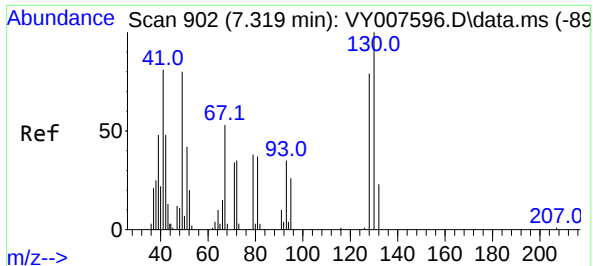
Tgt Ion:117 Resp: 9261
Ion Ratio Lower Upper
117 100
119 4.0 77.9 116.9#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 17.057 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY007609.D
Acq: 23 Feb 2022 19:40

Tgt Ion: 78 Resp: 68151
Ion Ratio Lower Upper
78 100
77 23.8 20.4 30.6

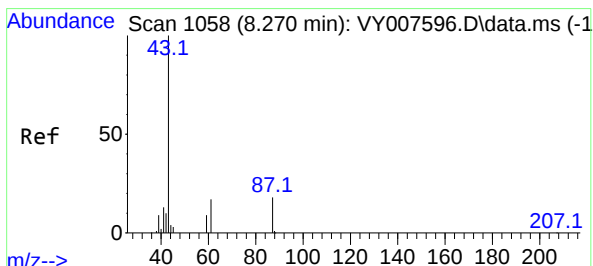
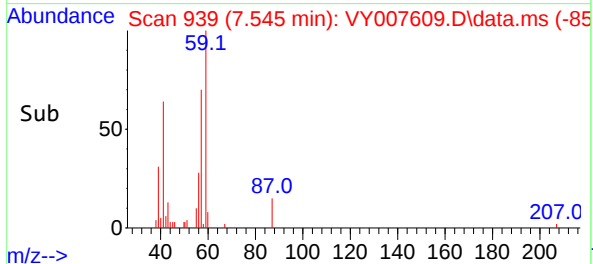
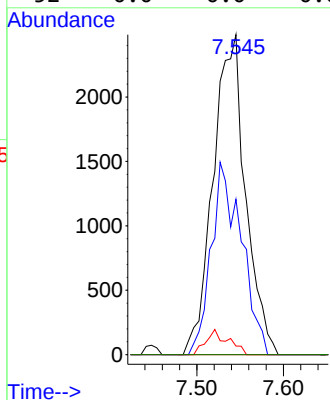
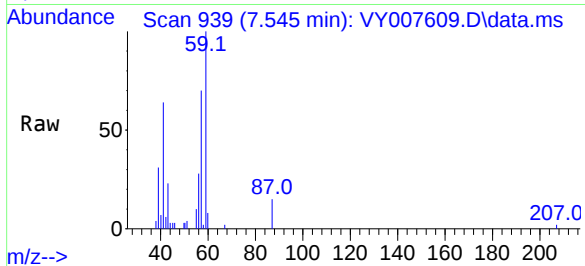




#41
Methacrylonitrile
Concen: 18.568 ug/l
RT: 7.545 min Scan# 91
Delta R.T. 0.226 min
Lab File: VY007609.D
Acq: 23 Feb 2022 19:40

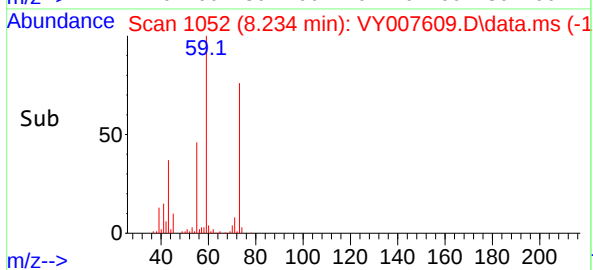
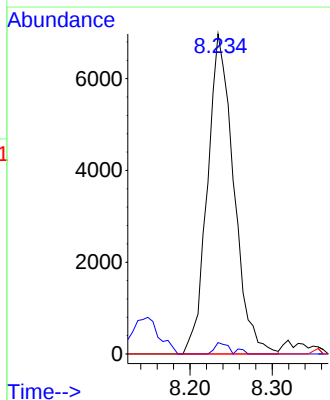
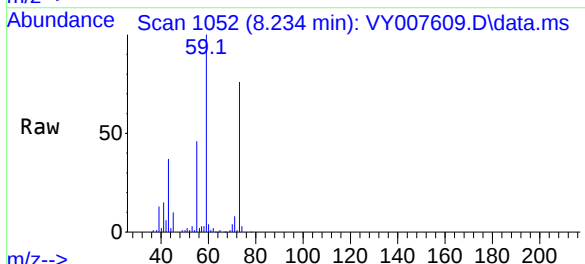
Instrument :
MSVOA_Y
ClientSampleId :
D15-10.5

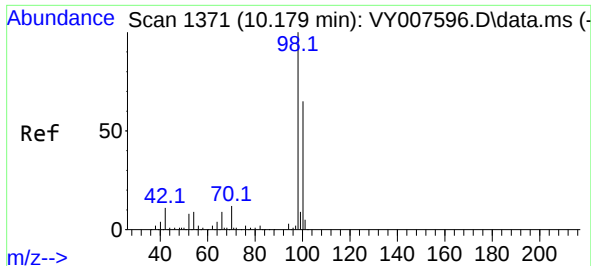
Tgt Ion: 41 Resp: 6456
Ion Ratio Lower Upper
41 100
39 0.0 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#43
Isopropyl Acetate
Concen: 12.061 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. -0.036 min
Lab File: VY007609.D
Acq: 23 Feb 2022 19:40

Tgt Ion: 43 Resp: 15531
Ion Ratio Lower Upper
43 100
61 2.2 20.2 30.2#
87 0.0 8.9 13.3#

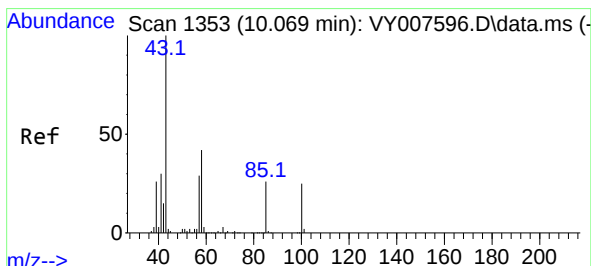
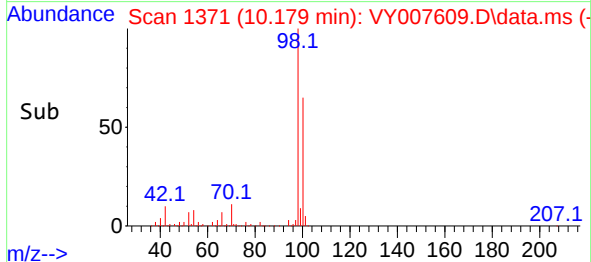
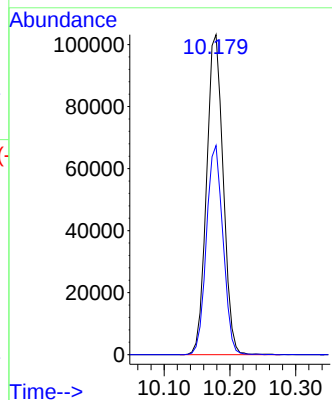
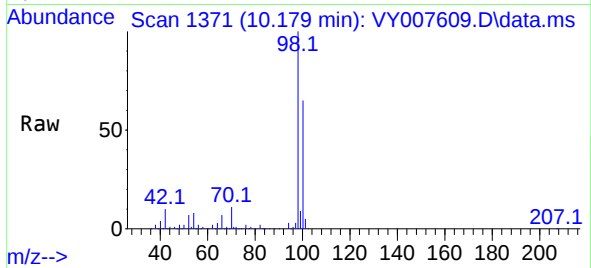




#50
Toluene-d8
Concen: 50.384 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007609.D
Acq: 23 Feb 2022 19:40

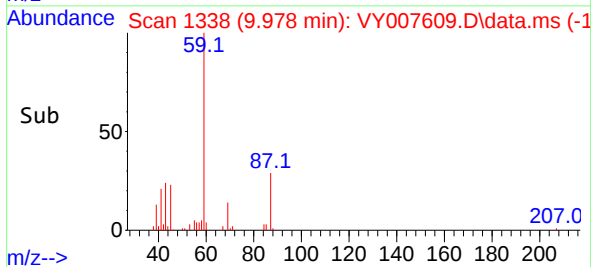
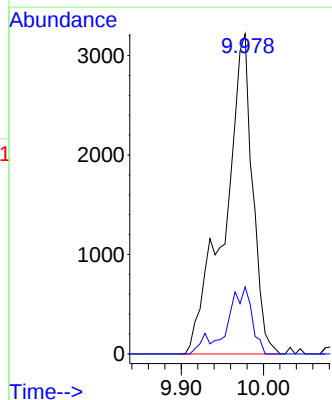
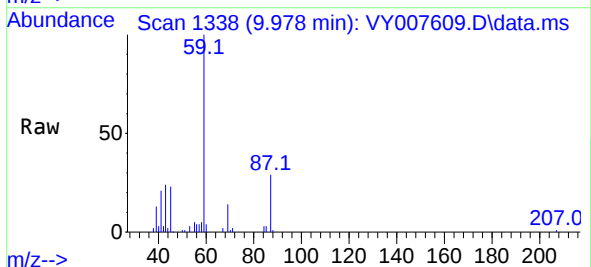
Instrument :
MSVOA_Y
ClientSampleId :
D15-10.5

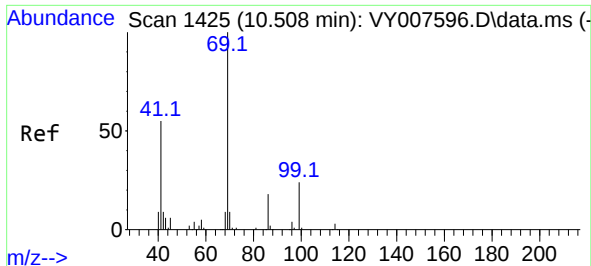
Tgt Ion: 98 Resp: 181263
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 11.683 ug/l
RT: 9.978 min Scan# 1338
Delta R.T. -0.091 min
Lab File: VY007609.D
Acq: 23 Feb 2022 19:40

Tgt Ion: 43 Resp: 7572
Ion Ratio Lower Upper
43 100
58 16.2 28.1 42.1#

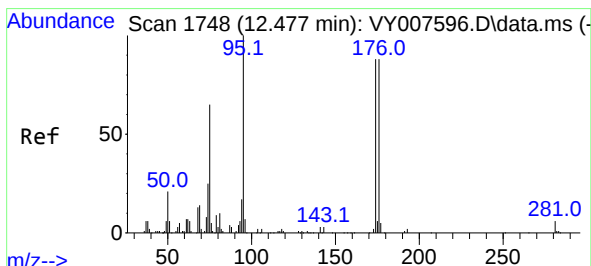
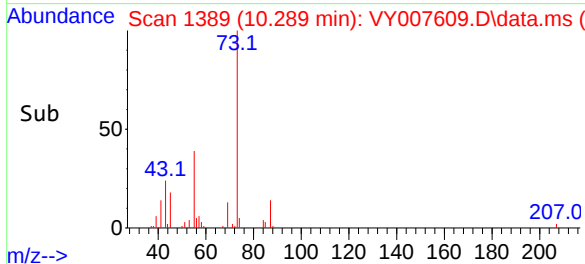
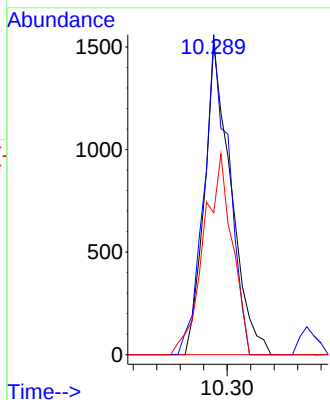
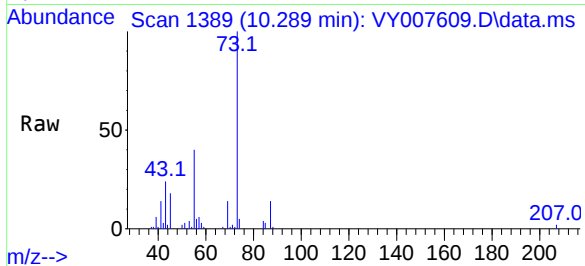




#56
Ethyl methacrylate
Concen: 2.161 ug/l
RT: 10.289 min Scan# 11
Delta R.T. -0.219 min
Lab File: VY007609.D
Acq: 23 Feb 2022 19:40

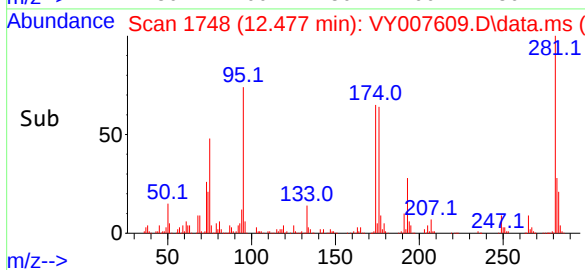
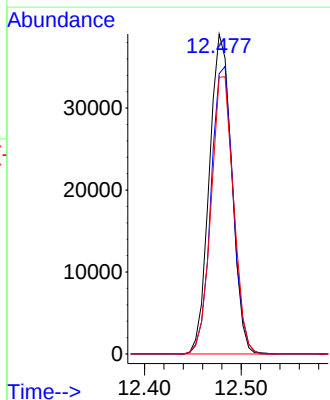
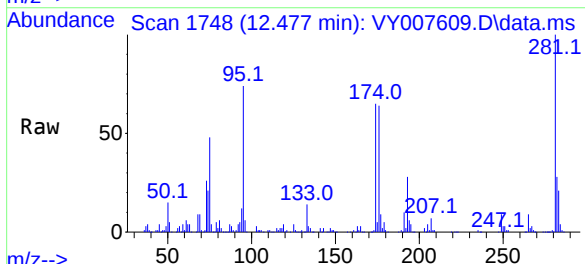
Instrument :
MSVOA_Y
ClientSampleId :
D15-10.5

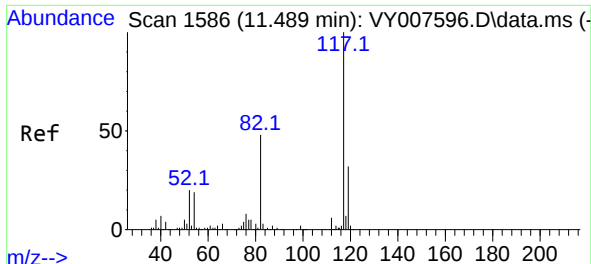
Tgt Ion: 69 Resp: 2392
Ion Ratio Lower Upper
69 100
41 96.4 63.4 95.0#
39 68.8 35.8 53.8#



#62
4-Bromofluorobenzene
Concen: 51.133 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY007609.D
Acq: 23 Feb 2022 19:40

Tgt Ion: 95 Resp: 62830
Ion Ratio Lower Upper
95 100
174 88.7 0.0 177.0
176 86.8 0.0 175.8

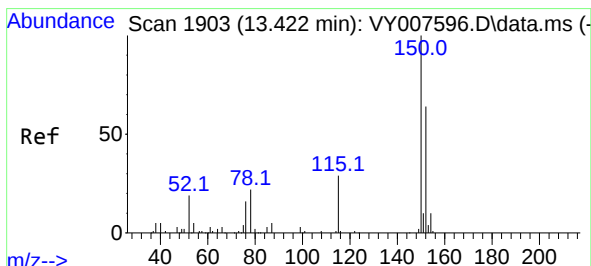
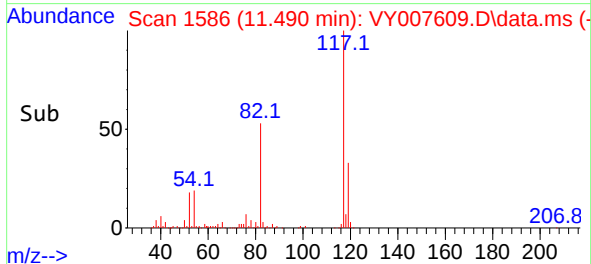
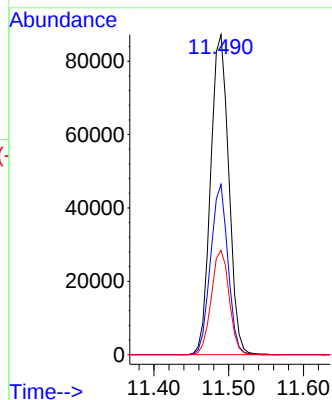
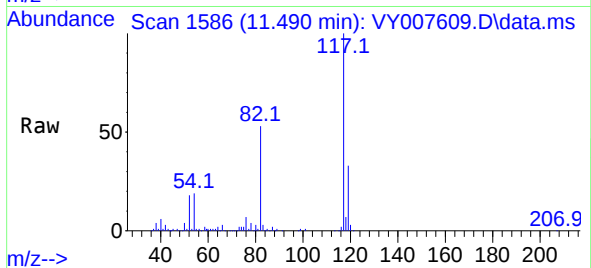




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY007609.D
Acq: 23 Feb 2022 19:40

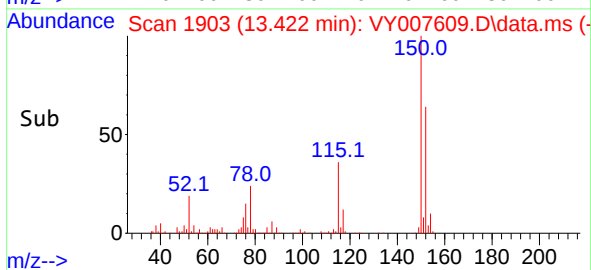
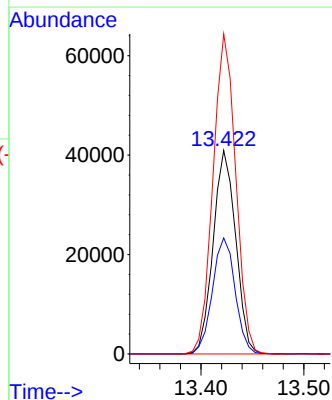
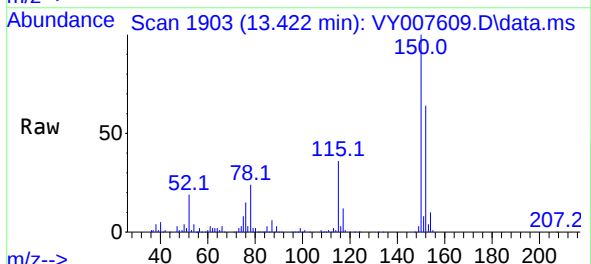
Instrument :
MSVOA_Y
ClientSampleId :
D15-10.5

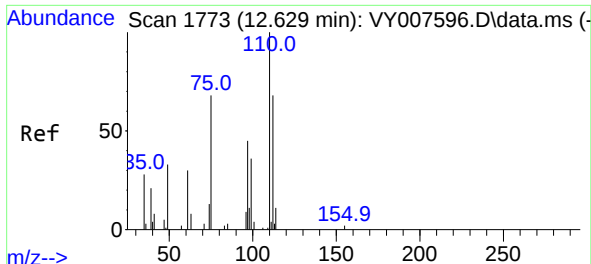
Tgt Ion:117 Resp: 146980
Ion Ratio Lower Upper
117 100
82 53.2 43.0 64.4
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY007609.D
Acq: 23 Feb 2022 19:40

Tgt Ion:152 Resp: 62357
Ion Ratio Lower Upper
152 100
115 57.6 28.2 84.7
150 158.5 0.0 347.6

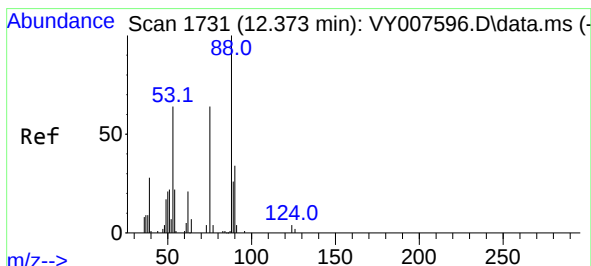
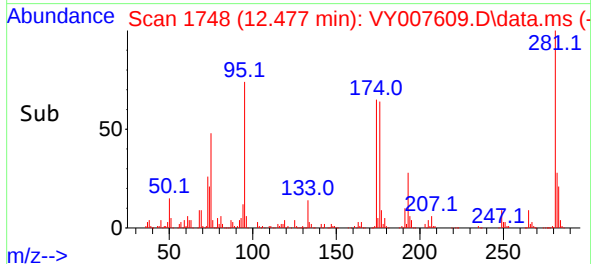
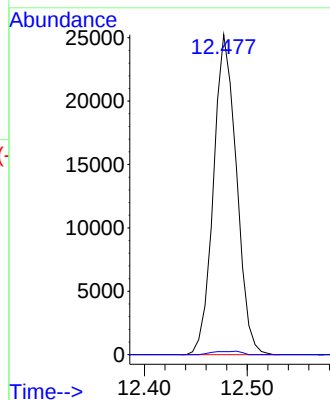
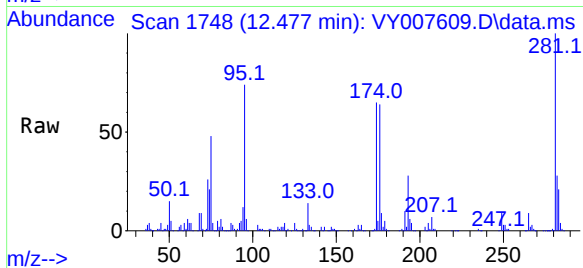




#76
1,2,3-Trichloropropane
Concen: 62.872 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY007609.D
Acq: 23 Feb 2022 19:40

Instrument :
MSVOA_Y
ClientSampleId :
D15-10.5

Tgt Ion: 75 Resp: 39211
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.185 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY007609.D
Acq: 23 Feb 2022 19:40

Tgt Ion: 75 Resp: 39211
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 2.9 37.0 55.4#

