

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100522\
 Data File : VY010821.D
 Acq On : 05 Oct 2022 15:38
 Operator : KP/MD
 Sample : N5004-01
 Misc : 6.53g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22011-8.5

Quant Time: Oct 06 09:20:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

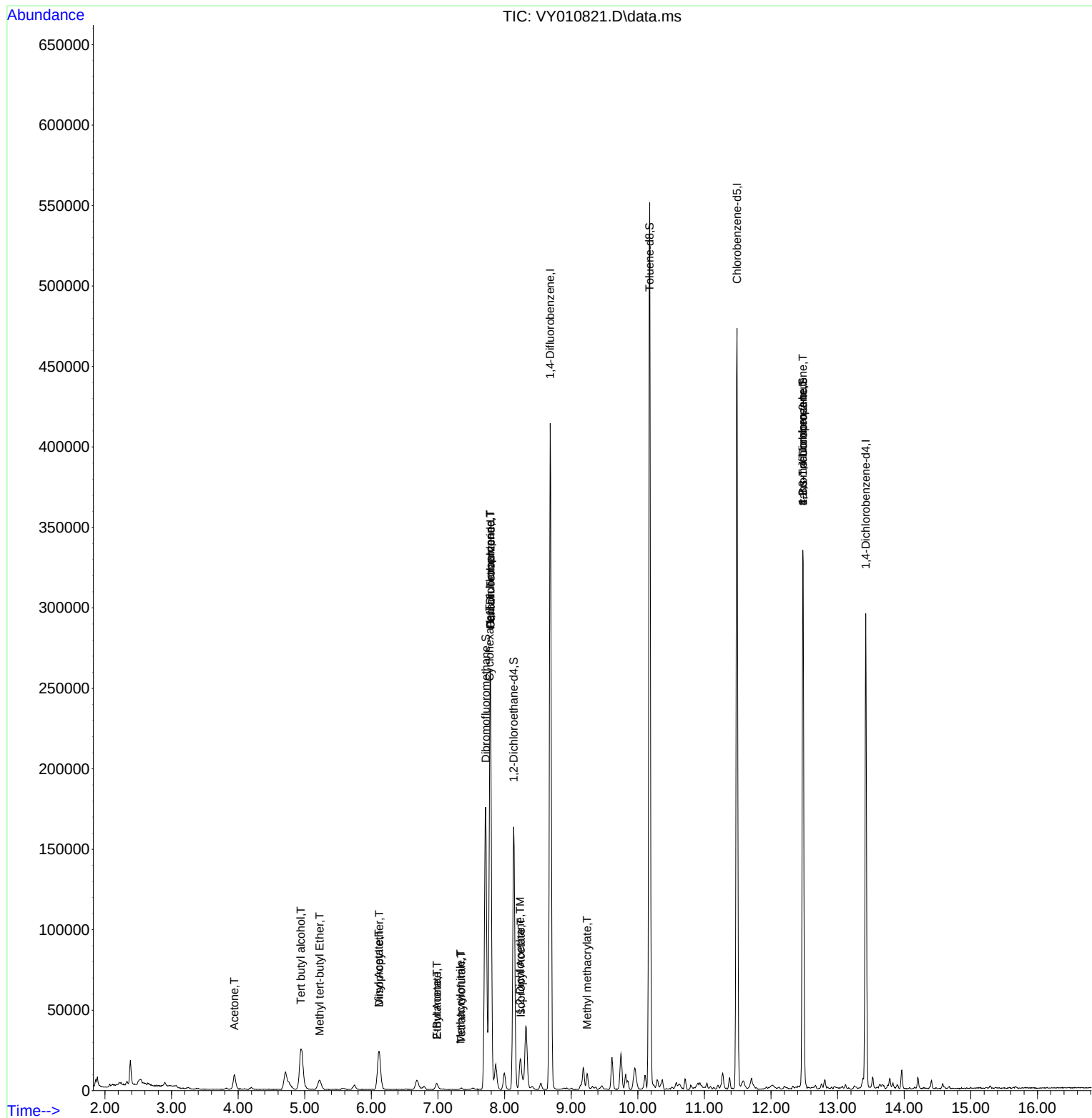
Internal Standards						
1) Pentafluorobenzene	7.789	168	201095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	346534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	258768	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	73913	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	122865	60.277	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.560%	
35) Dibromofluoromethane	7.716	113	125007	54.343	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.680%	
50) Toluene-d8	10.179	98	360269	45.796	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.600%	
62) 4-Bromofluorobenzene	12.477	95	97220	30.173	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 60.340%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.942	59	47731	271.313	ug/l #	94
16) Acetone	3.942	43	15696	30.319	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	6073	1.220	ug/l #	35
20) Methylene Chloride	4.710	84	6979	Below Cal		91
22) Diisopropyl ether	6.119	45	30053	4.815	ug/l #	88
23) Vinyl Acetate	6.112	43	16739	4.427	ug/l #	75
25) 2-Butanone	6.984	43	4312	5.794	ug/l	93
29) Tetrahydrofuran	7.350	42	636	1.453	ug/l #	74
31) Cyclohexane	7.777	56	6714	1.840	ug/l #	39
36) 1,1-Dichloropropene	7.783	75	15656	4.715	ug/l #	51
37) Ethyl Acetate	6.984	43	4312	2.646	ug/l #	73
38) Carbon Tetrachloride	7.789	117	20206	5.842	ug/l #	16
41) Methacrylonitrile	7.338	41	377	2.956	ug/l #	58
42) 1,2-Dichloroethane	8.234	62	4739	1.752	ug/l	93
43) Isopropyl Acetate	8.246	43	5471	1.855	ug/l #	72
48) Methyl methacrylate	9.240	41	2106	1.520	ug/l #	58
76) 1,2,3-Trichloropropane	12.477	75	51166	68.357	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	51166	142.792	ug/l #	7

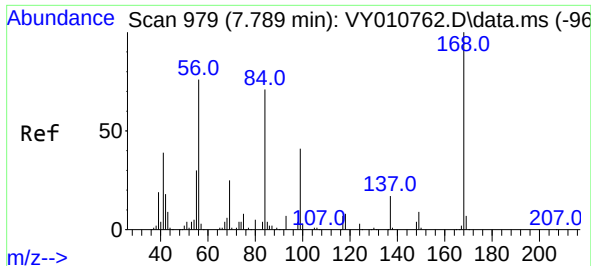
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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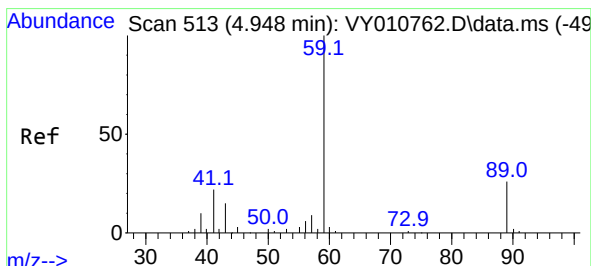
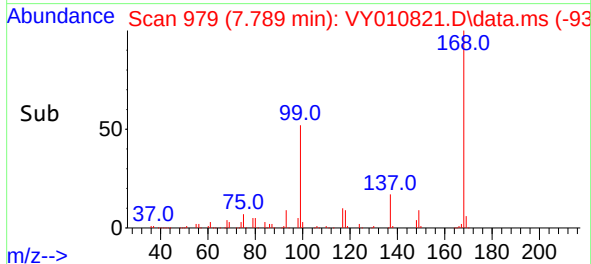
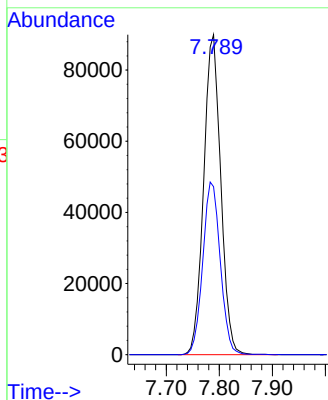
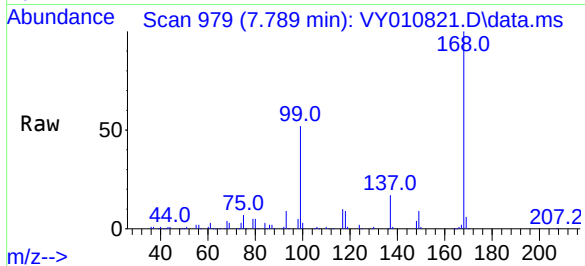




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010821.D
Acq: 05 Oct 2022 15:38

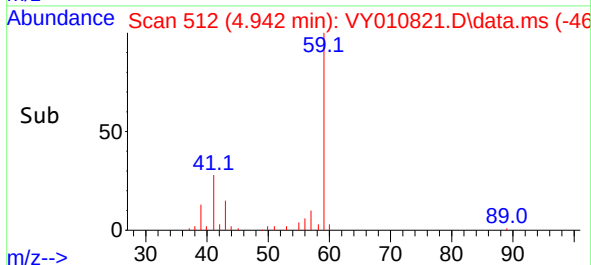
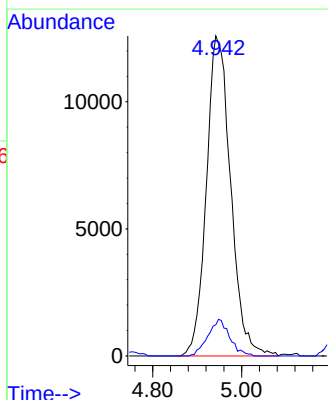
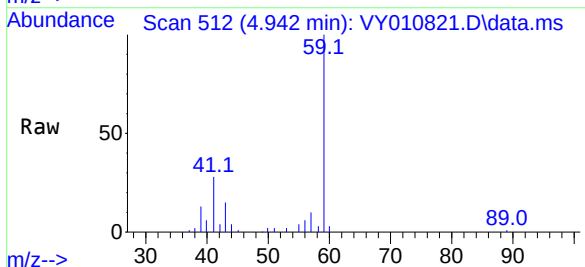
Instrument :
MSVOA_Y
ClientSampleId :
D22011-8.5

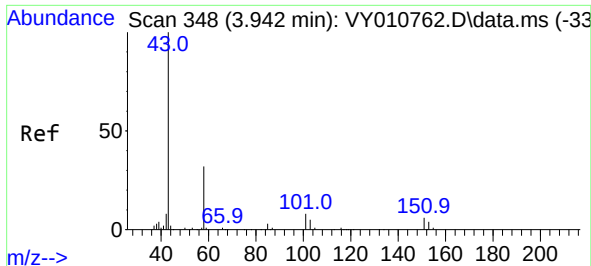
Tgt Ion:168 Resp: 201095
Ion Ratio Lower Upper
168 100
99 52.5 46.9 70.3



#11
Tert butyl alcohol
Concen: 271.313 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY010821.D
Acq: 05 Oct 2022 15:38

Tgt Ion: 59 Resp: 47731
Ion Ratio Lower Upper
59 100
57 10.3 6.4 9.6#

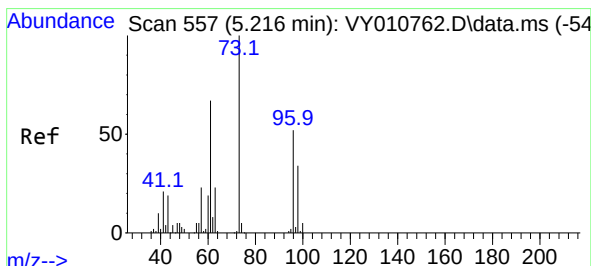
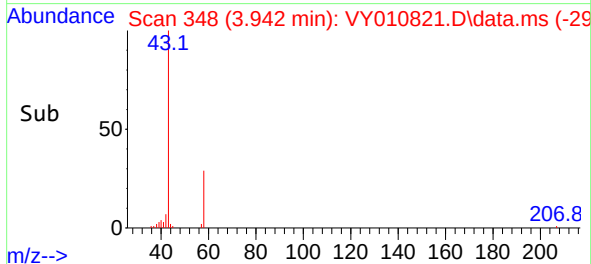
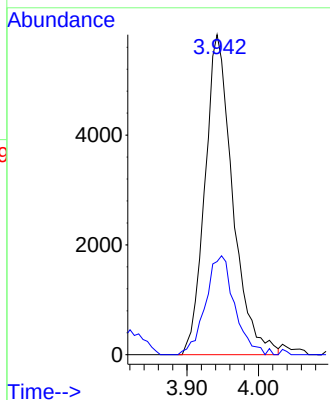
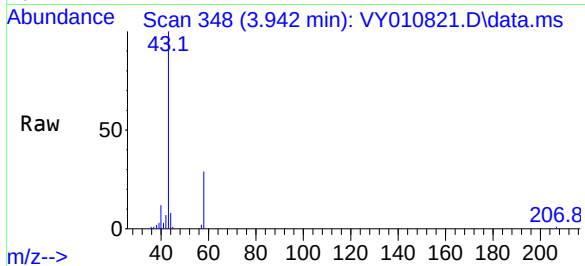




#16
Acetone
Concen: 30.319 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010821.D
Acq: 05 Oct 2022 15:38

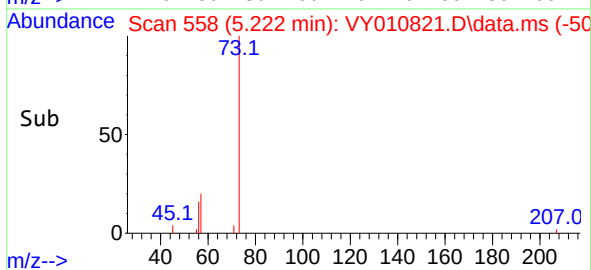
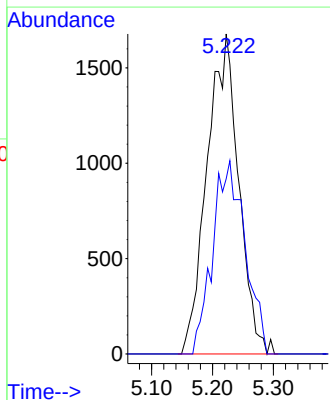
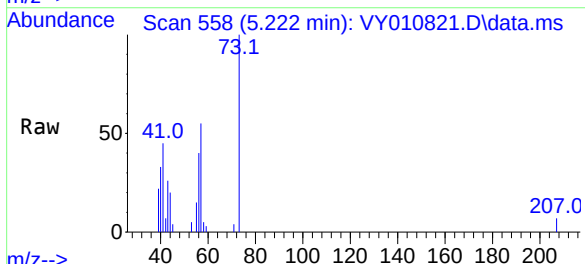
Instrument :
MSVOA_Y
ClientSampleId :
D22011-8.5

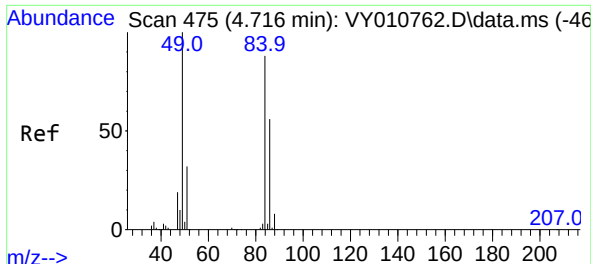
Tgt Ion: 43 Resp: 15696
Ion Ratio Lower Upper
43 100
58 29.1 22.0 33.0



#19
Methyl tert-butyl Ether
Concen: 1.220 ug/l
RT: 5.222 min Scan# 558
Delta R.T. 0.006 min
Lab File: VY010821.D
Acq: 05 Oct 2022 15:38

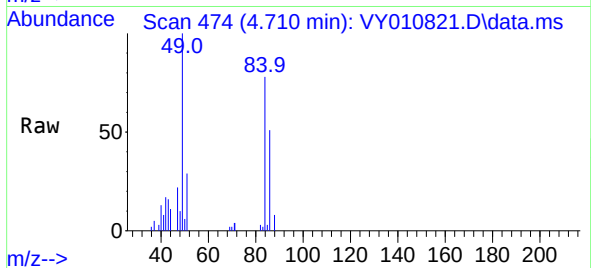
Tgt Ion: 73 Resp: 6073
Ion Ratio Lower Upper
73 100
57 54.8 18.6 27.8#





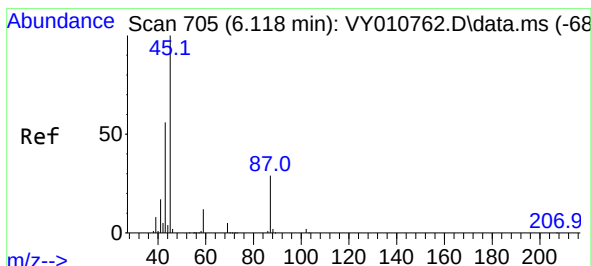
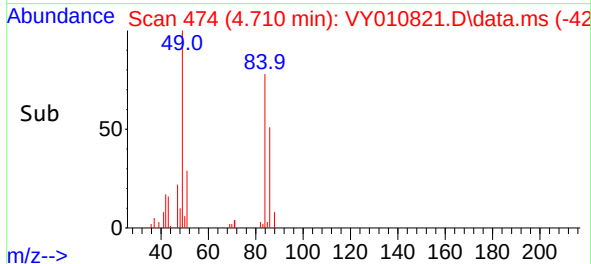
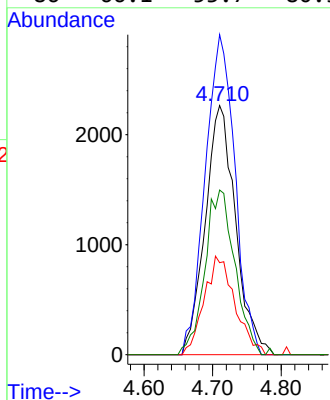
#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY010821.D
Acq: 05 Oct 2022 15:38

Instrument :
MSVOA_Y
ClientSampleId :
D22011-8.5



Tgt Ion: 84 Resp: 6979

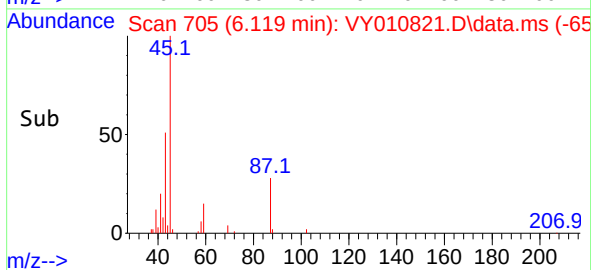
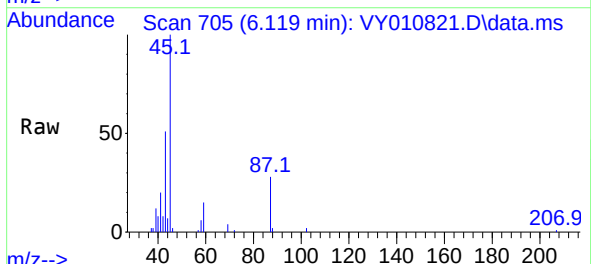
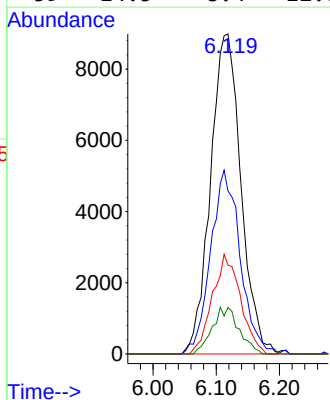
Ion	Ratio	Lower	Upper
84	100		
49	128.4	114.4	171.6
51	36.9	35.3	52.9
86	66.1	53.7	80.5

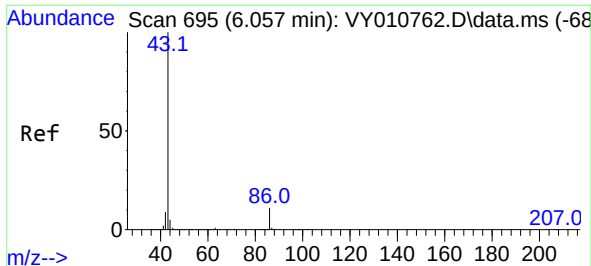


#22
Diisopropyl ether
Concen: 4.815 ug/l
RT: 6.119 min Scan# 705
Delta R.T. 0.001 min
Lab File: VY010821.D
Acq: 05 Oct 2022 15:38

Tgt Ion: 45 Resp: 30053

Ion	Ratio	Lower	Upper
45	100		
43	51.0	49.3	73.9
87	27.7	19.2	28.8
59	14.5	8.4	12.6

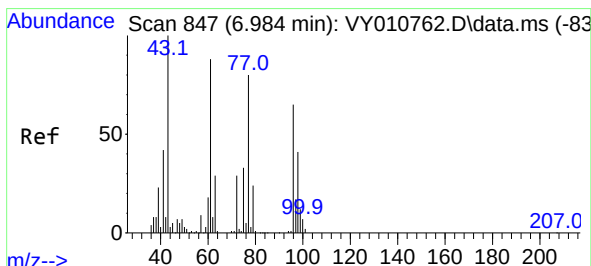
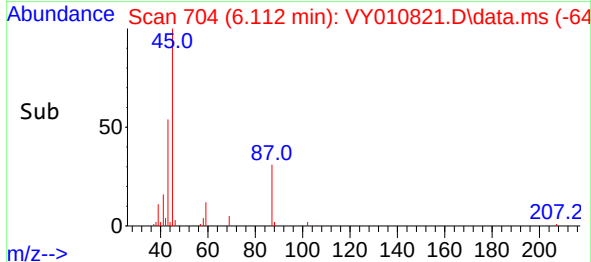
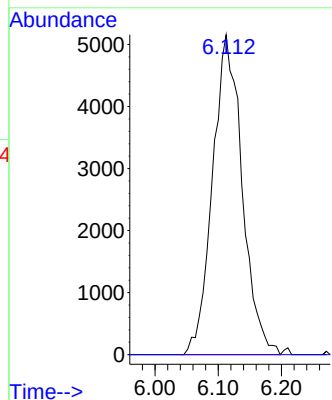
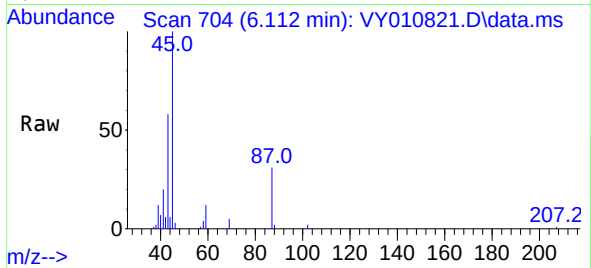




#23
 Vinyl Acetate
 Concen: 4.427 ug/l
 RT: 6.112 min Scan# 704
 Delta R.T. 0.055 min
 Lab File: VY010821.D
 Acq: 05 Oct 2022 15:38

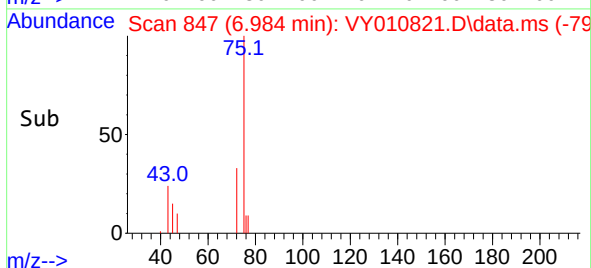
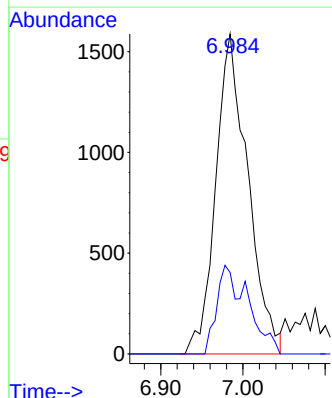
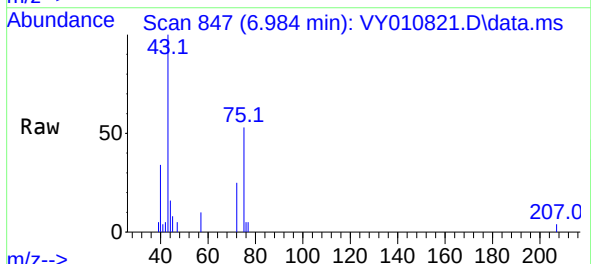
Instrument :
 MSVOA_Y
 ClientSampleId :
 D22011-8.5

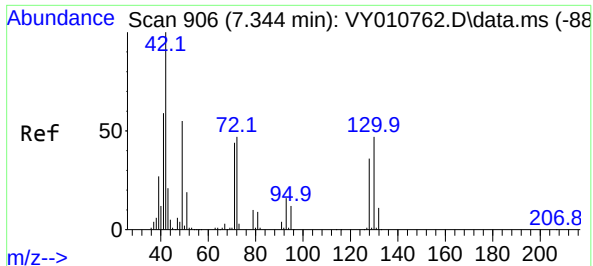
Tgt Ion: 43 Resp: 16739
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 5.794 ug/l
 RT: 6.984 min Scan# 847
 Delta R.T. 0.000 min
 Lab File: VY010821.D
 Acq: 05 Oct 2022 15:38

Tgt Ion: 43 Resp: 4312
 Ion Ratio Lower Upper
 43 100
 72 25.4 17.7 26.5





#29

Tetrahydrofuran

Concen: 1.453 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY010821.D

Acq: 05 Oct 2022 15:38

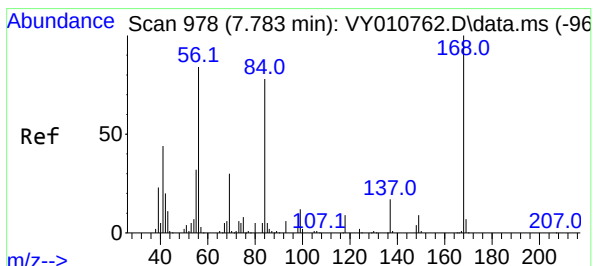
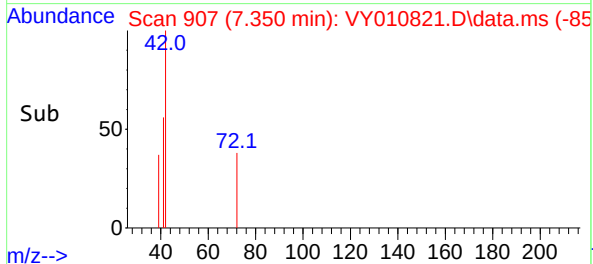
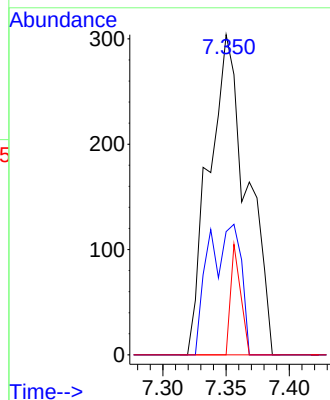
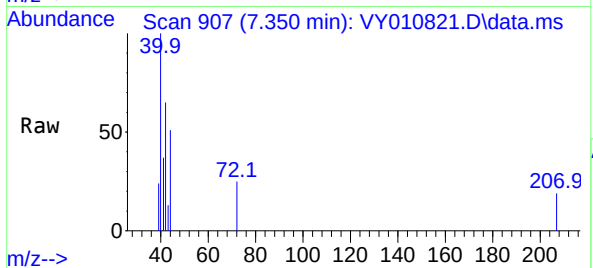
Instrument :

MSVOA_Y

ClientSampleId :

D22011-8.5

Tgt Ion:	42	Resp:	636
Ion	Ratio	Lower	Upper
42	100		
72	34.4	30.3	45.5
71	9.0	29.0	43.4



#31

Cyclohexane

Concen: 1.840 ug/l

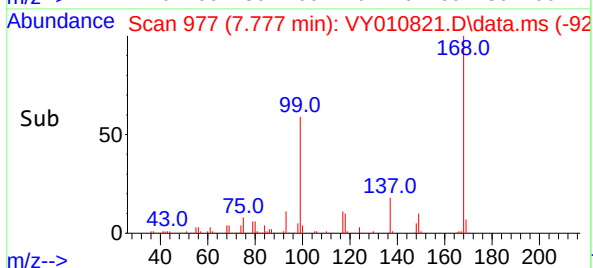
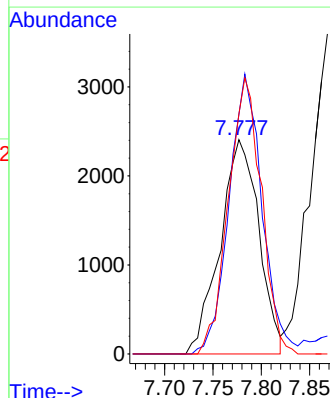
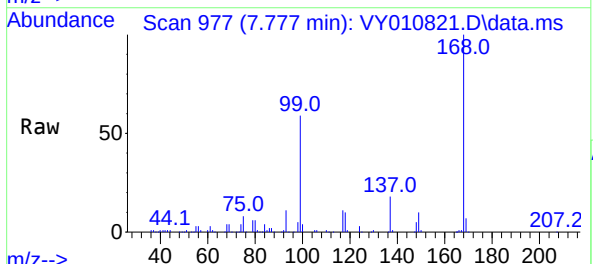
RT: 7.777 min Scan# 977

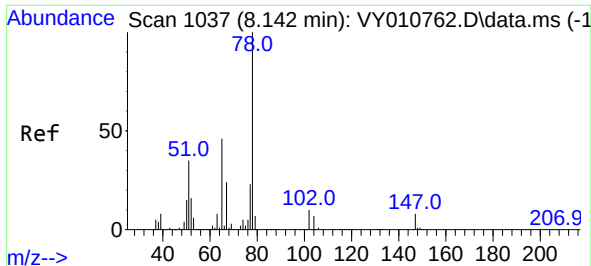
Delta R.T. -0.006 min

Lab File: VY010821.D

Acq: 05 Oct 2022 15:38

Tgt Ion:	56	Resp:	6714
Ion	Ratio	Lower	Upper
56	100		
69	111.8	26.7	40.1
84	112.1	67.2	100.8





#33

1,2-Dichloroethane-d4

Concen: 60.277 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY010821.D

Acq: 05 Oct 2022 15:38

Instrument :

MSVOA_Y

ClientSampleId :

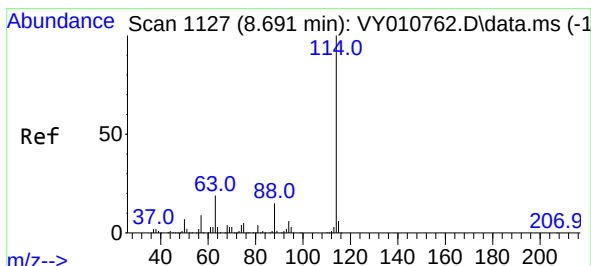
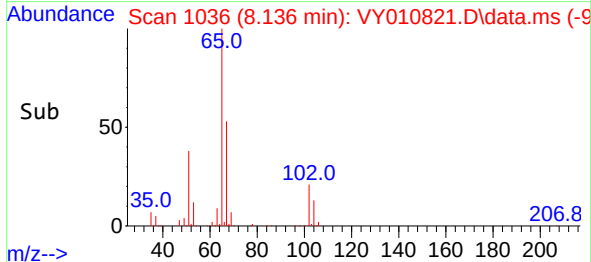
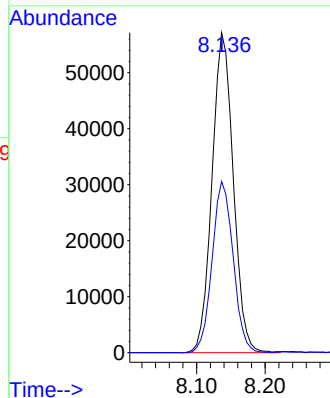
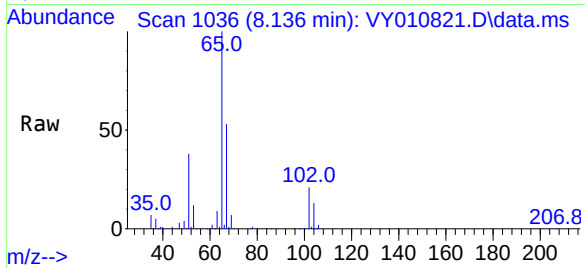
D22011-8.5

Tgt Ion: 65 Resp: 122865

Ion Ratio Lower Upper

65 100

67 53.0 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY010821.D

Acq: 05 Oct 2022 15:38

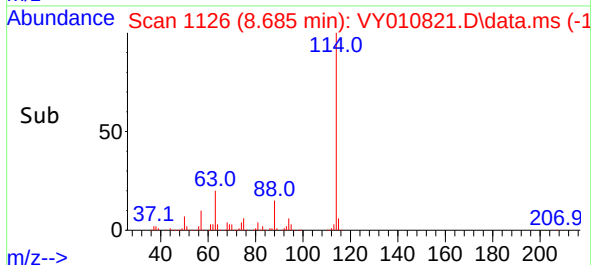
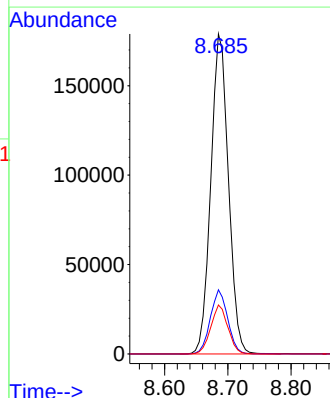
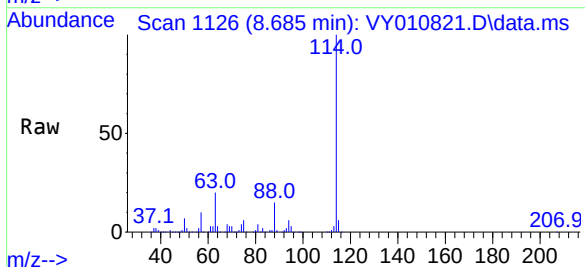
Tgt Ion: 114 Resp: 346534

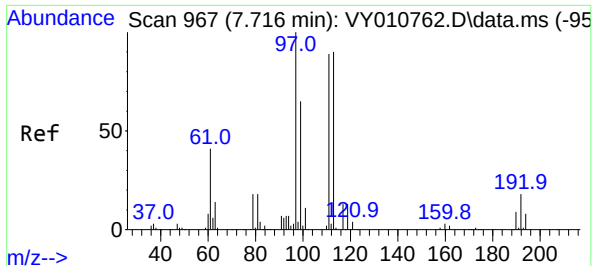
Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

88 15.3 0.0 31.8

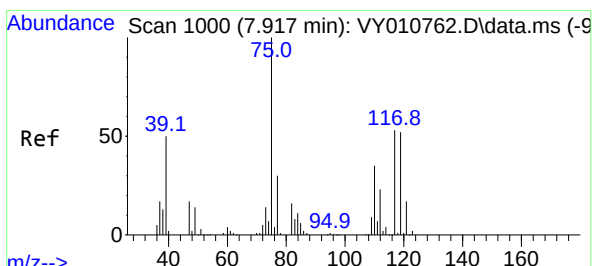
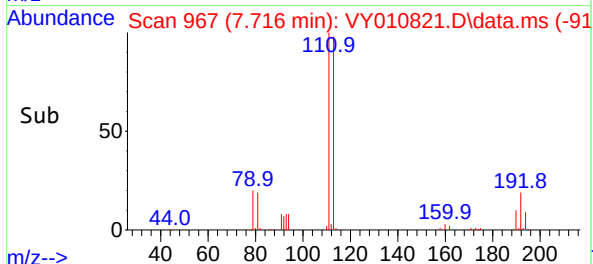
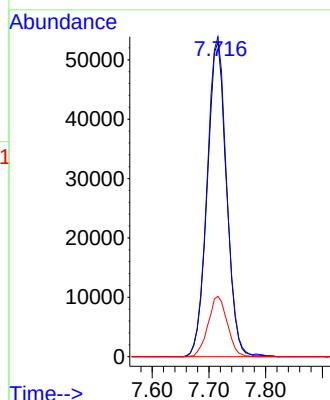
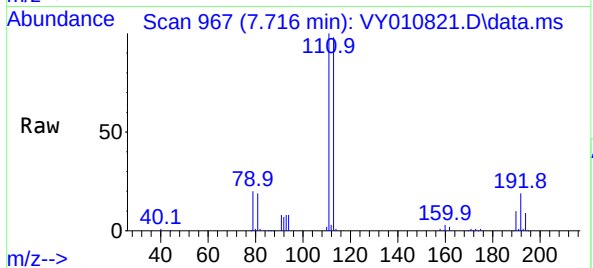




#35
Dibromofluoromethane
Concen: 54.343 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY010821.D
Acq: 05 Oct 2022 15:38

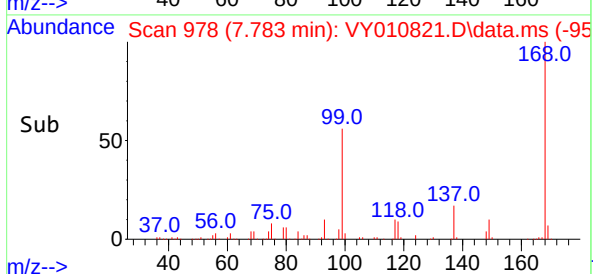
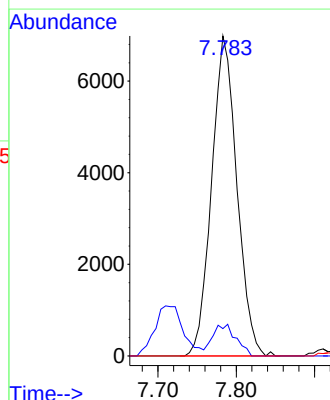
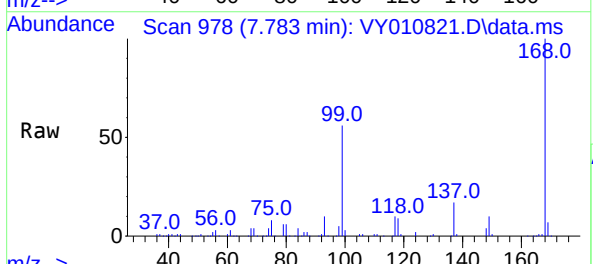
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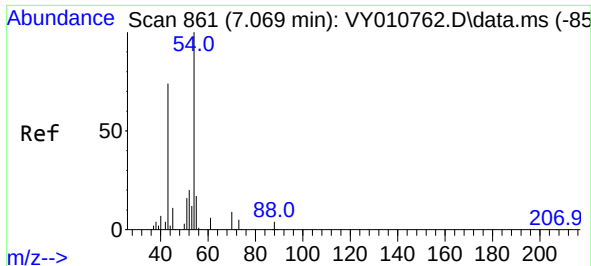
Tgt Ion:113 Resp: 125007
Ion Ratio Lower Upper
113 100
111 103.3 82.6 124.0
192 19.1 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.715 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY010821.D
Acq: 05 Oct 2022 15:38

Tgt Ion: 75 Resp: 15656
Ion Ratio Lower Upper
75 100
110 9.0 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.646 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY010821.D

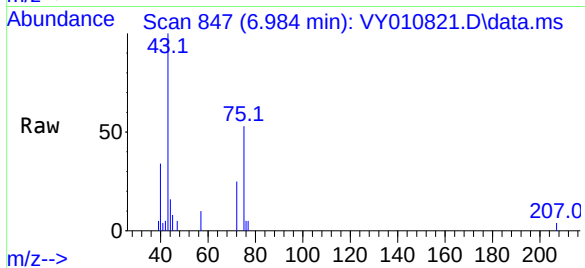
Acq: 05 Oct 2022 15:38

Instrument :

MSVOA_Y

ClientSampleId :

D22011-8.5



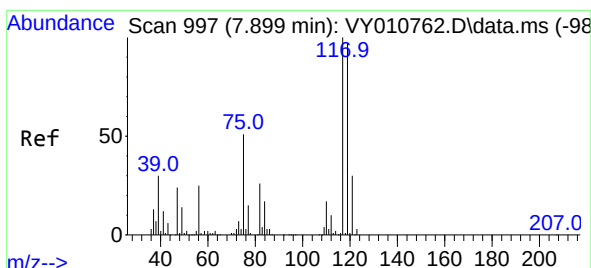
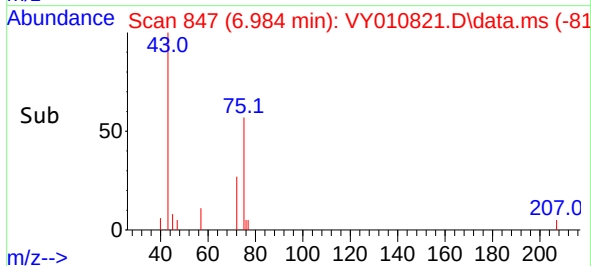
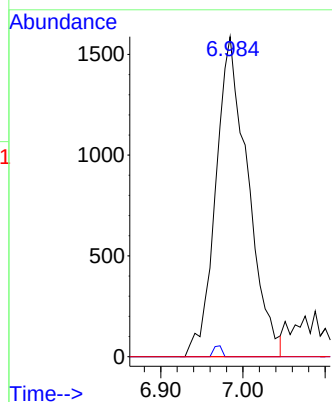
Tgt Ion: 43 Resp: 4312

Ion Ratio Lower Upper

43 100

61 0.9 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.842 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY010821.D

Acq: 05 Oct 2022 15:38

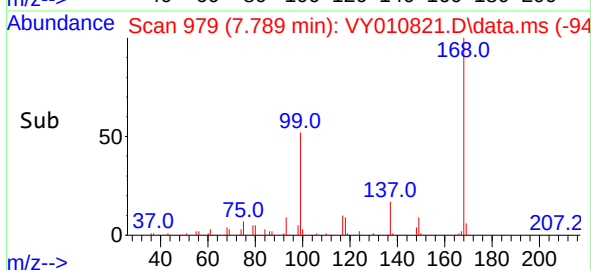
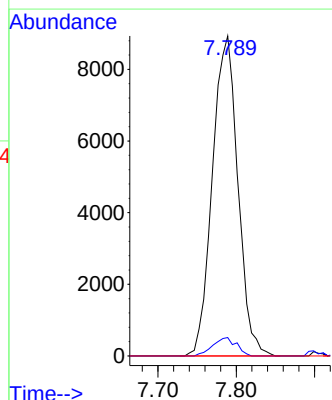
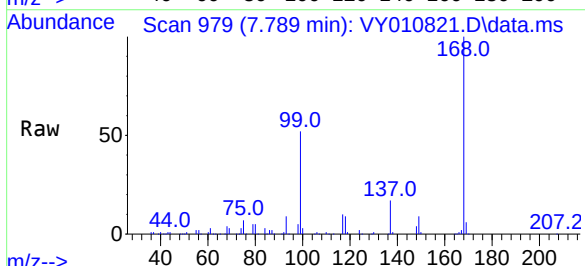
Tgt Ion: 117 Resp: 20206

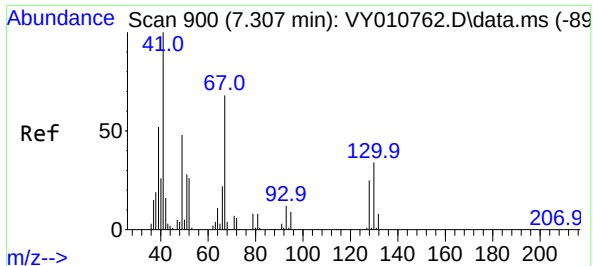
Ion Ratio Lower Upper

117 100

119 5.7 77.9 116.9#

121 0.0 24.8 37.2#

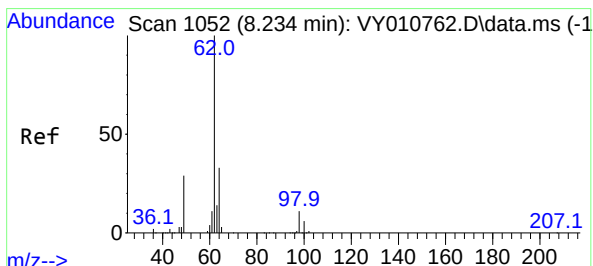
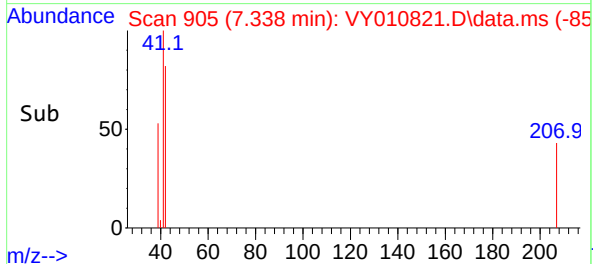
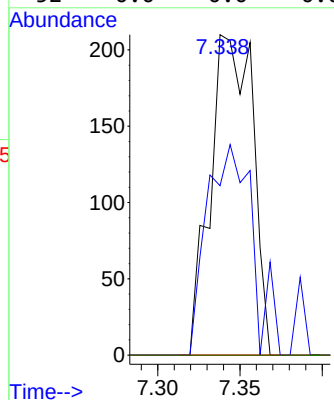
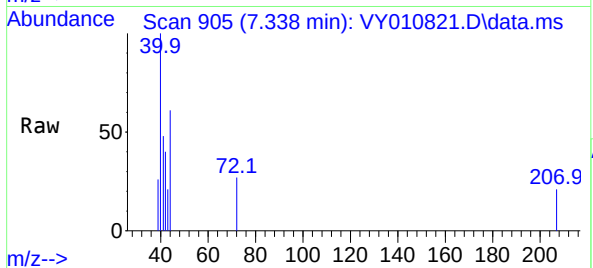




#41
Methacrylonitrile
Concen: 2.956 ug/l
RT: 7.338 min Scan# 905
Delta R.T. 0.031 min
Lab File: VY010821.D
Acq: 05 Oct 2022 15:38

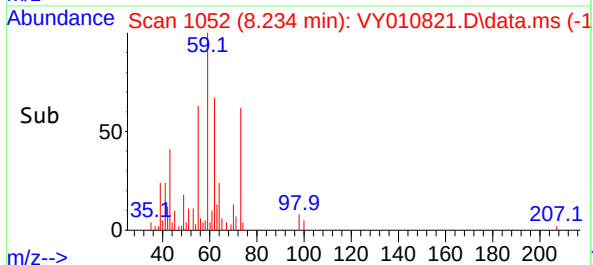
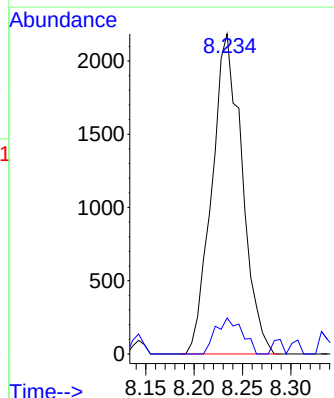
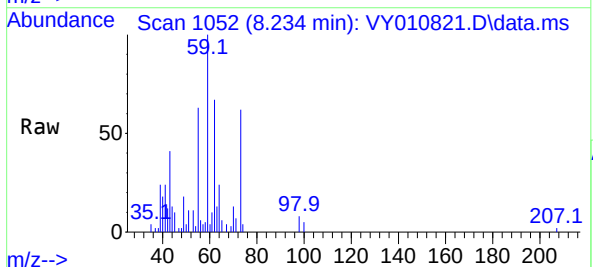
Instrument :
MSVOA_Y
ClientSampleId :
D22011-8.5

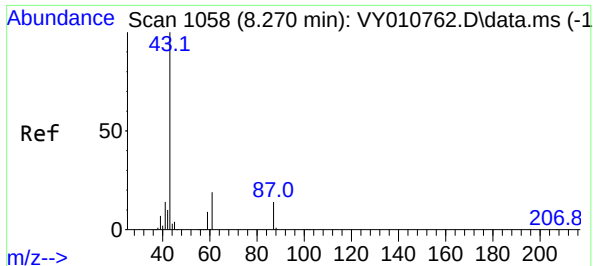
Tgt Ion: 41	Resp: 377
Ion Ratio	Lower Upper
41 100	
39 70.6	92.9 139.3#
67 0.0	0.0 0.0
52 0.0	0.0 0.0



#42
1,2-Dichloroethane
Concen: 1.752 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. 0.000 min
Lab File: VY010821.D
Acq: 05 Oct 2022 15:38

Tgt Ion: 62	Resp: 4739
Ion Ratio	Lower Upper
62 100	
98 9.8	0.0 14.8

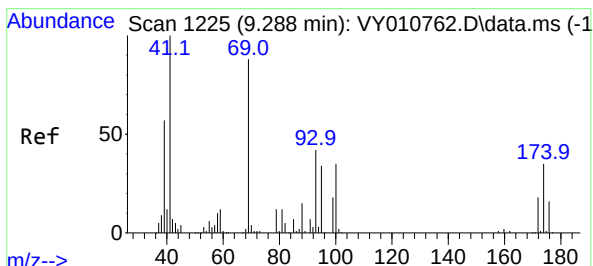
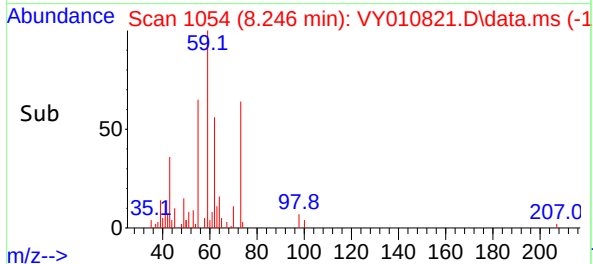
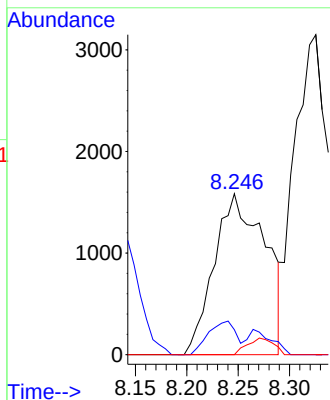
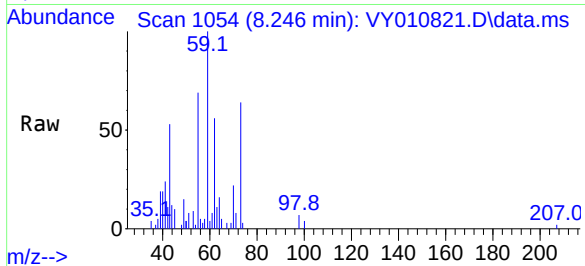




#43
Isopropyl Acetate
Concen: 1.855 ug/l
RT: 8.246 min Scan# 11
Delta R.T. -0.024 min
Lab File: VY010821.D
Acq: 05 Oct 2022 15:38

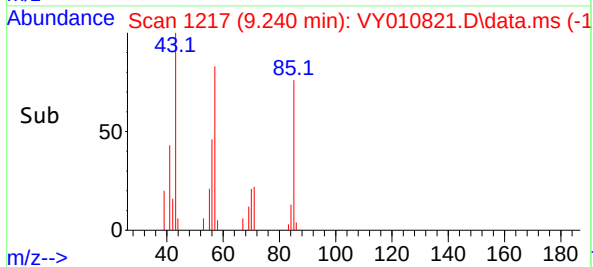
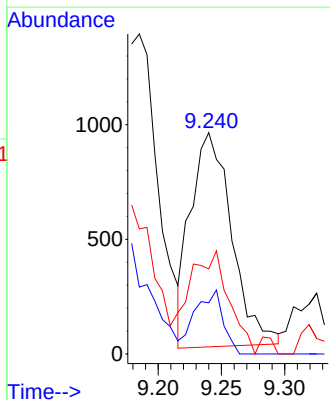
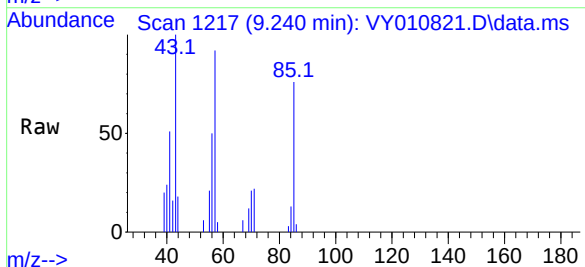
Instrument :
MSVOA_Y
ClientSampleId :
D22011-8.5

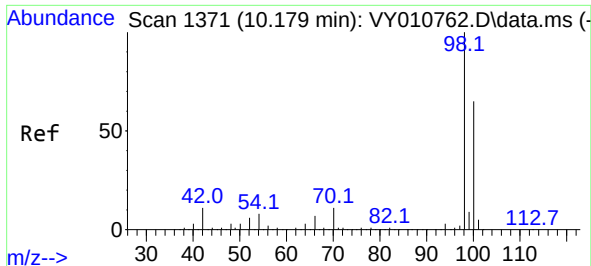
Tgt Ion: 43 Resp: 5471
Ion Ratio Lower Upper
43 100
61 11.4 20.2 30.2#
87 0.0 8.9 13.3#



#48
Methyl methacrylate
Concen: 1.520 ug/l
RT: 9.240 min Scan# 1217
Delta R.T. -0.048 min
Lab File: VY010821.D
Acq: 05 Oct 2022 15:38

Tgt Ion: 41 Resp: 2106
Ion Ratio Lower Upper
41 100
69 20.4 58.2 87.2#
39 47.0 47.4 71.0#

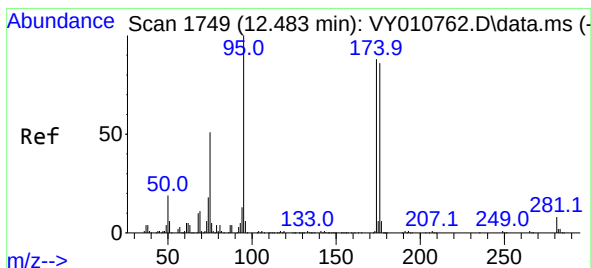
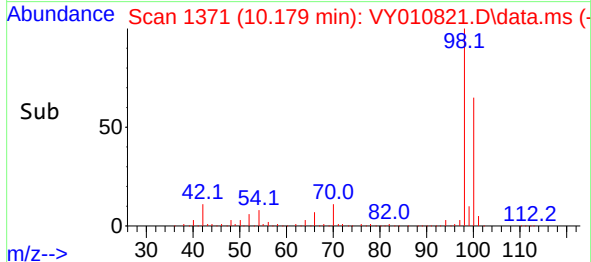
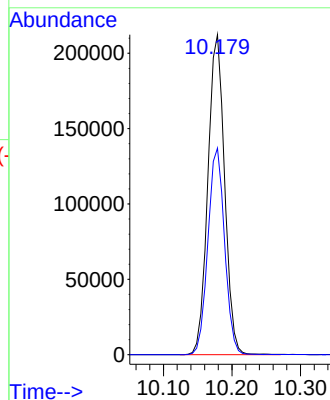
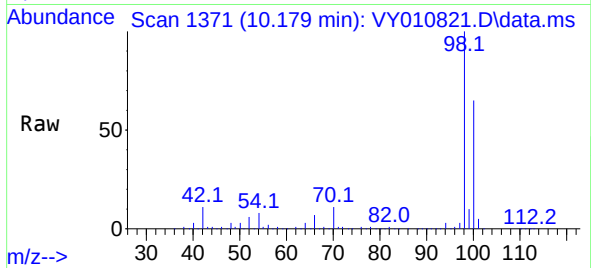




#50
Toluene-d8
Concen: 45.796 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010821.D
Acq: 05 Oct 2022 15:38

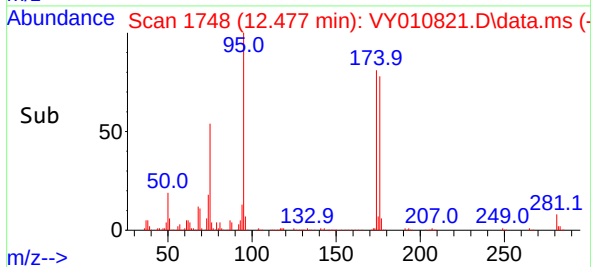
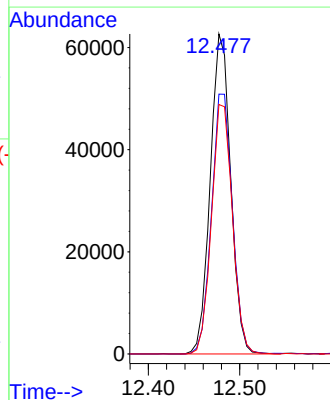
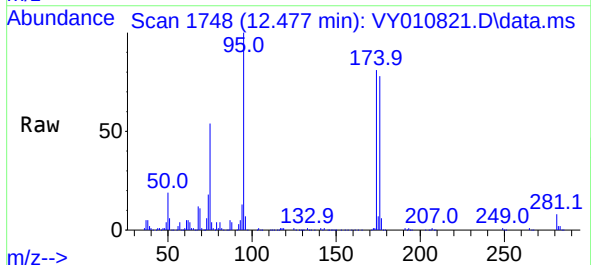
Instrument :
MSVOA_Y
ClientSampleId :
D22011-8.5

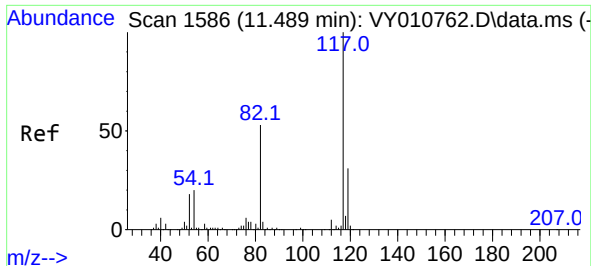
Tgt Ion: 98 Resp: 360269
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 30.173 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010821.D
Acq: 05 Oct 2022 15:38

Tgt Ion: 95 Resp: 97220
Ion Ratio Lower Upper
95 100
174 83.1 0.0 177.0
176 79.8 0.0 175.8

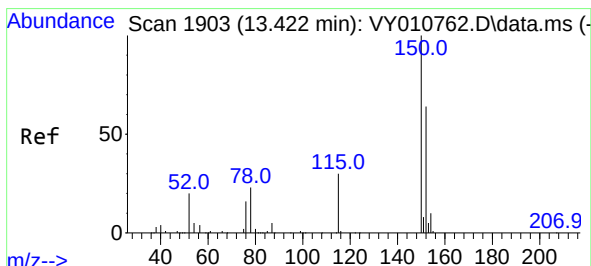
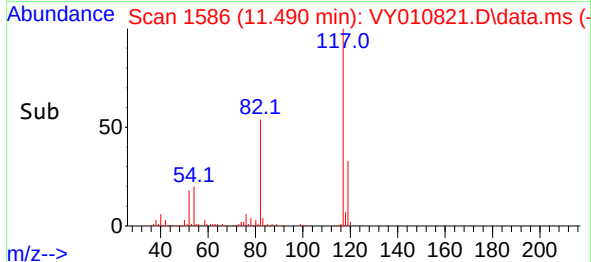
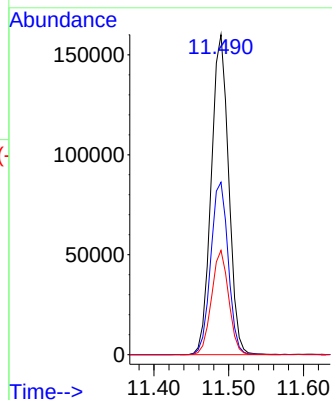
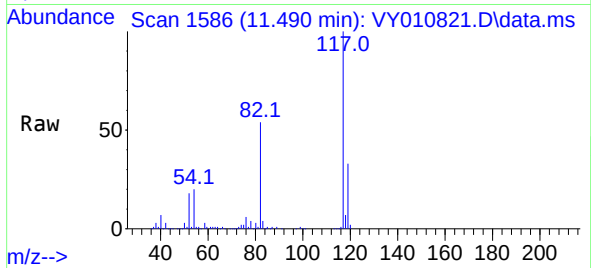




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY010821.D
Acq: 05 Oct 2022 15:38

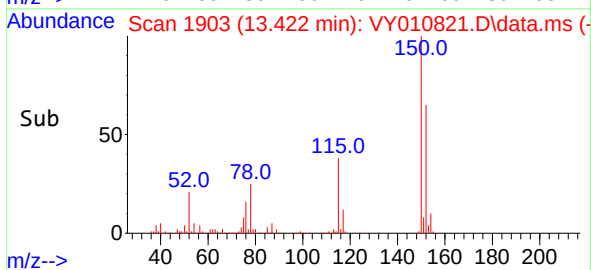
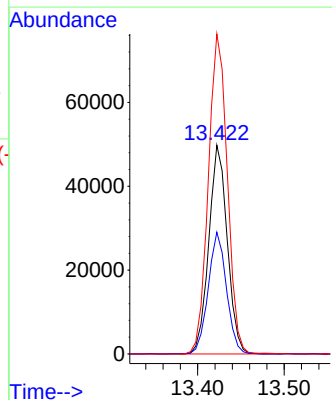
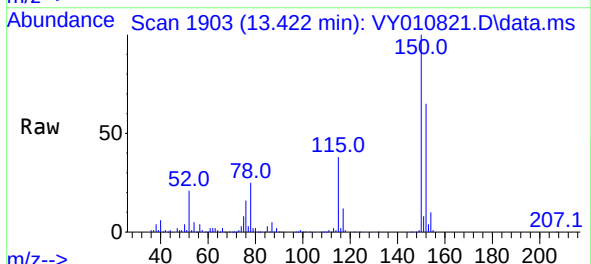
Instrument :
MSVOA_Y
ClientSampleId :
D22011-8.5

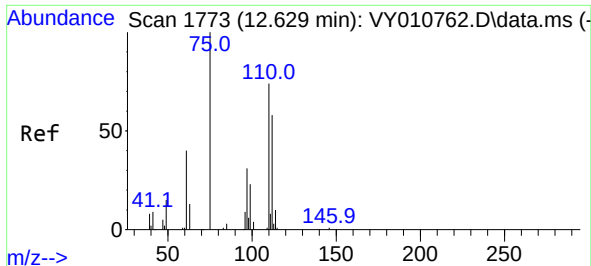
Tgt Ion:117 Resp: 258768
Ion Ratio Lower Upper
117 100
82 53.9 43.0 64.4
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010821.D
Acq: 05 Oct 2022 15:38

Tgt Ion:152 Resp: 73913
Ion Ratio Lower Upper
152 100
115 57.6 28.2 84.7
150 157.5 0.0 347.6

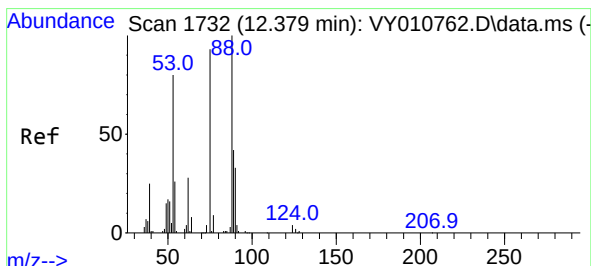
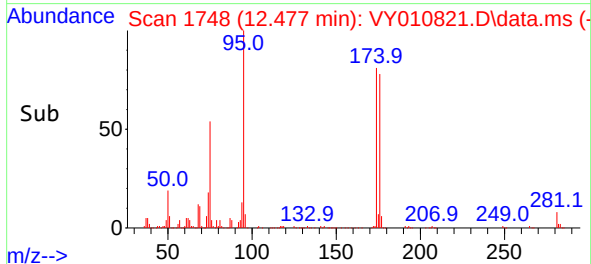
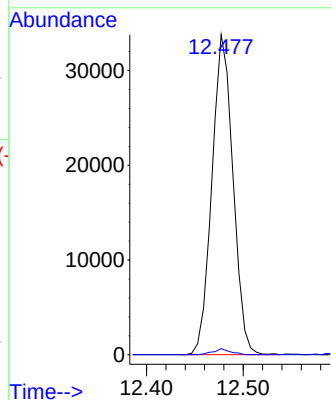
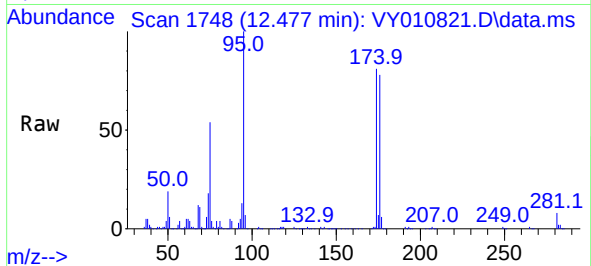




#76
1,2,3-Trichloropropane
Concen: 68.357 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010821.D
Acq: 05 Oct 2022 15:38

Instrument :
MSVOA_Y
ClientSampleId :
D22011-8.5

Tgt Ion: 75 Resp: 51166
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 142.792 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY010821.D
Acq: 05 Oct 2022 15:38

Tgt Ion: 75 Resp: 51166
Ion Ratio Lower Upper
75 100
53 0.4 85.3 127.9#
89 0.0 37.0 55.4#

