

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101322\
 Data File : VY010955.D
 Acq On : 13 Oct 2022 13:49
 Operator : KP/MD
 Sample : N5105-01
 Misc : 5.81g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-01-101122

Quant Time: Oct 14 02:10:45 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)

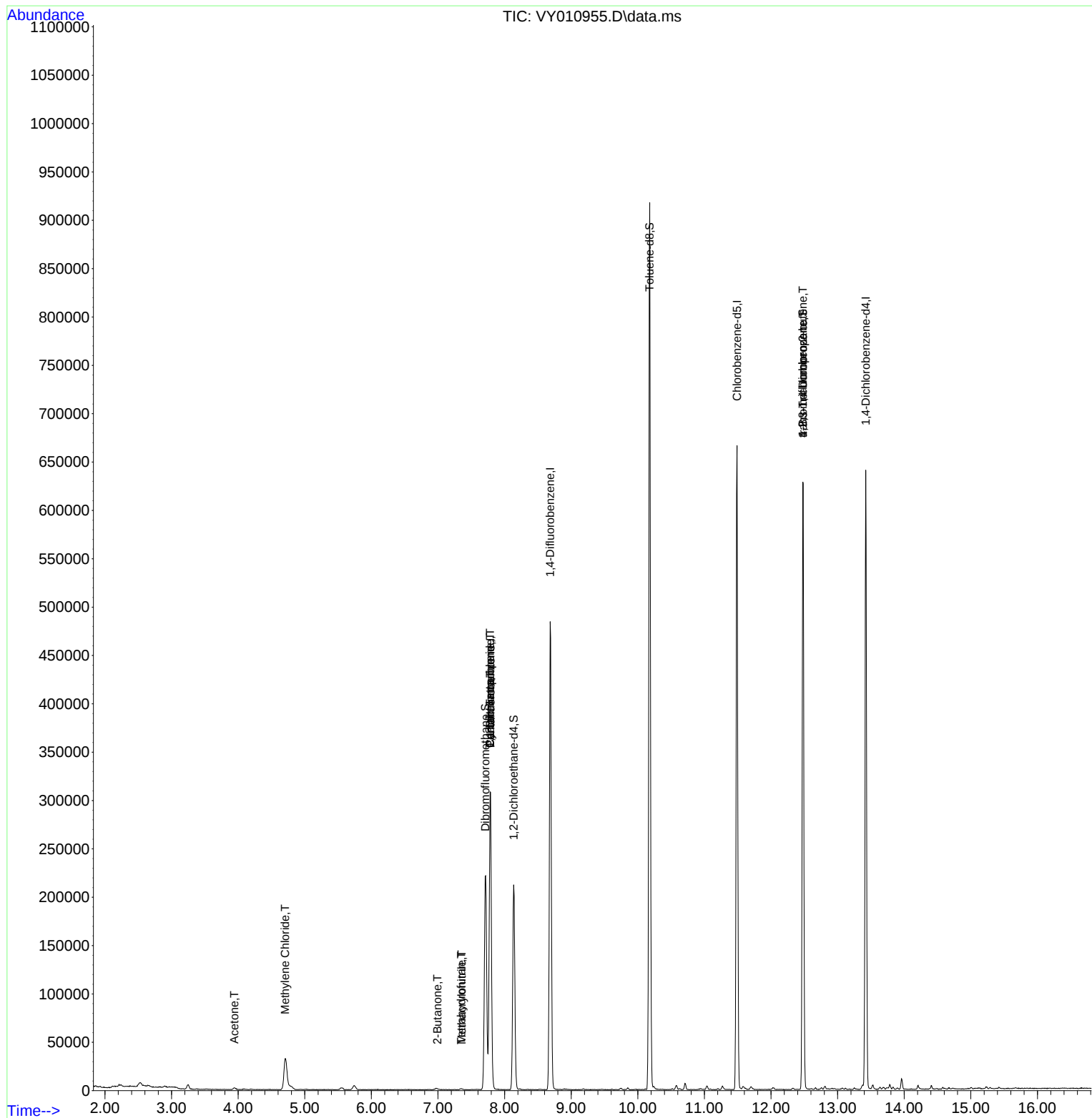
Internal Standards						
1) Pentafluorobenzene	7.789	168	241202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	414758	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	364898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	164746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	163092	66.707	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.420%	
35) Dibromofluoromethane	7.710	113	164099	59.603	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.200%	
50) Toluene-d8	10.179	98	596337	63.335	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 126.660%	
62) 4-Bromofluorobenzene	12.477	95	193177	52.714	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.420%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.918	59	270	Below Cal	#	77
16) Acetone	3.942	43	3172	5.108	ug/l #	78
20) Methylene Chloride	4.704	84	25549	4.656	ug/l #	81
25) 2-Butanone	6.990	43	905	1.014	ug/l #	54
29) Tetrahydrofuran	7.350	42	901	1.716	ug/l #	85
31) Cyclohexane	7.783	56	4914	1.123	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	18685	4.701	ug/l #	51
38) Carbon Tetrachloride	7.783	117	23748	5.737	ug/l #	15
41) Methacrylonitrile	7.356	41	533	3.024	ug/l #	20
76) 1,2,3-Trichloropropane	12.477	75	97784	58.611	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	97784	122.433	ug/l #	7

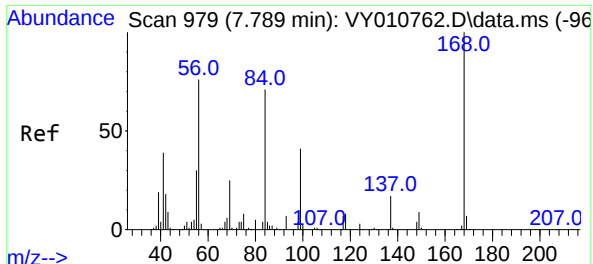
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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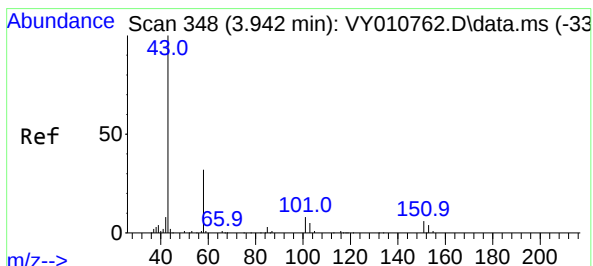
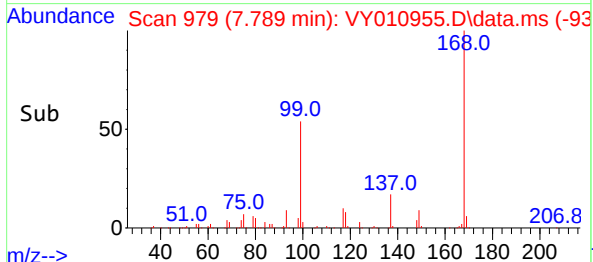
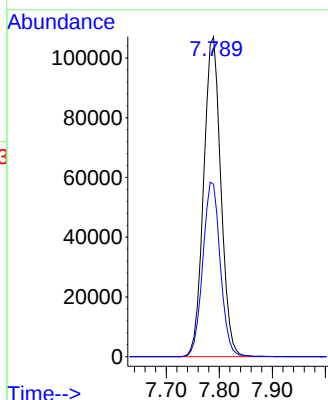
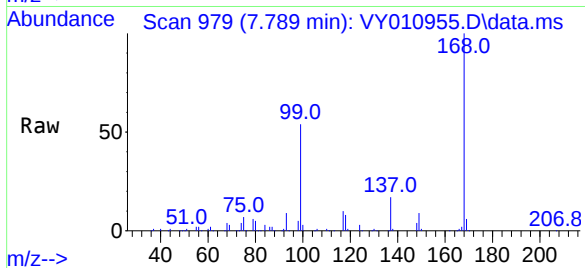




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010955.D
Acq: 13 Oct 2022 13:49

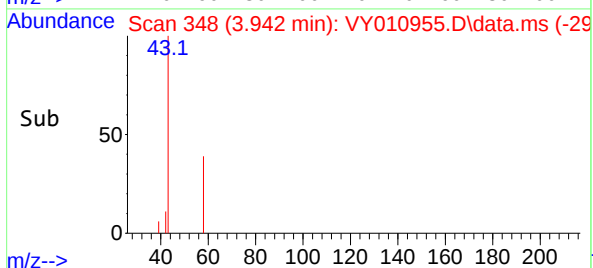
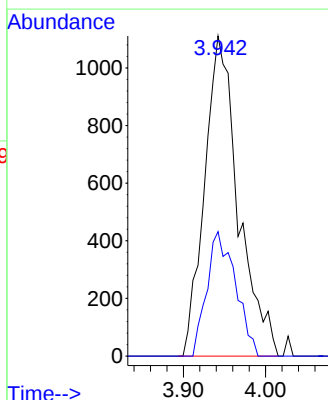
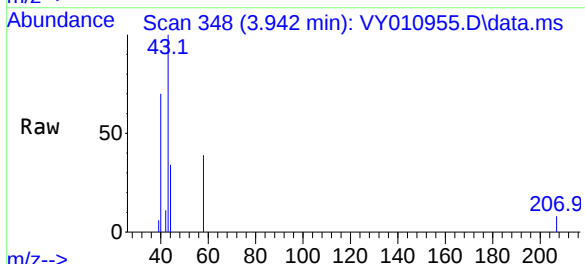
Instrument :
MSVOA_Y
ClientSampleId :
PL-01-101122

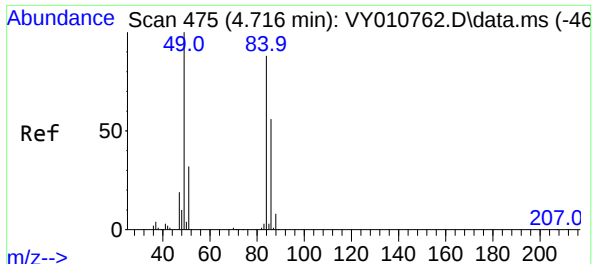
Tgt Ion:168 Resp: 241202
Ion Ratio Lower Upper
168 100
99 53.9 46.9 70.3



#16
Acetone
Concen: 5.108 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010955.D
Acq: 13 Oct 2022 13:49

Tgt Ion: 43 Resp: 3172
Ion Ratio Lower Upper
43 100
58 38.9 22.0 33.0#

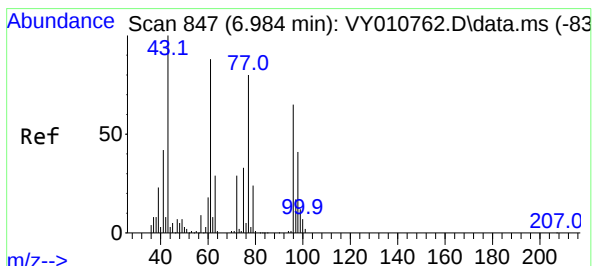
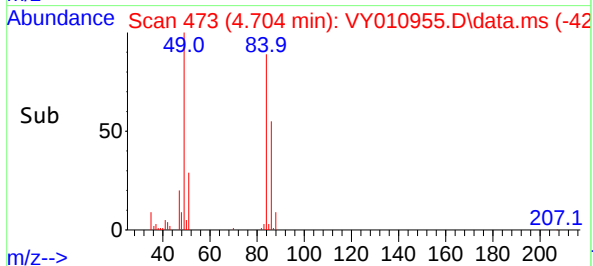
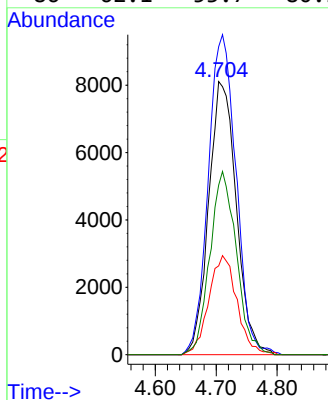
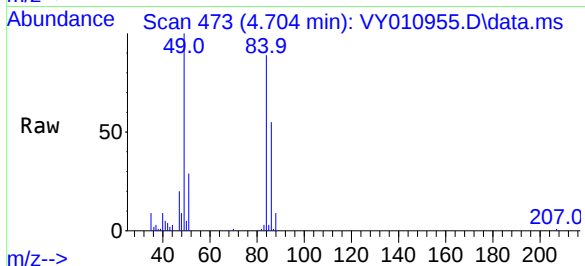




#20
Methylene Chloride
Concen: 4.656 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY010955.D
Acq: 13 Oct 2022 13:49

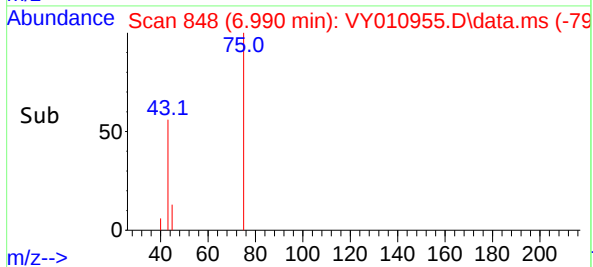
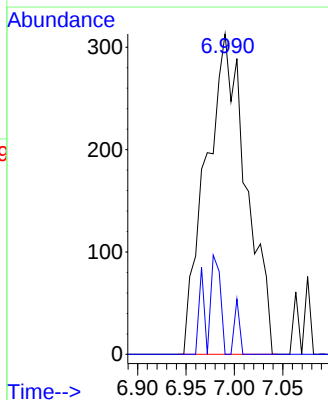
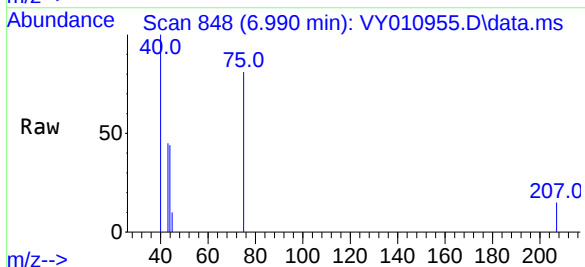
Instrument :
MSVOA_Y
ClientSampleId :
PL-01-101122

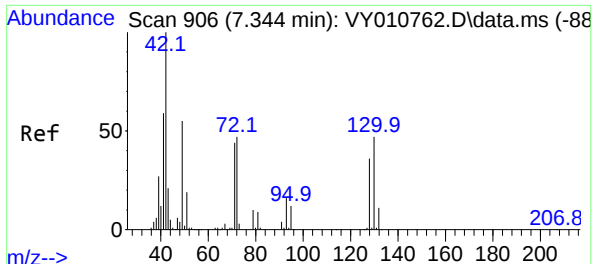
Tgt Ion: 84 Resp: 25549
Ion Ratio Lower Upper
84 100
49 112.8 114.4 171.6#
51 32.5 35.3 52.9#
86 62.1 53.7 80.5



#25
2-Butanone
Concen: 1.014 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY010955.D
Acq: 13 Oct 2022 13:49

Tgt Ion: 43 Resp: 905
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#





#29

Tetrahydrofuran

Concen: 1.716 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY010955.D

Acq: 13 Oct 2022 13:49

Instrument :

MSVOA_Y

ClientSampleId :

PL-01-101122

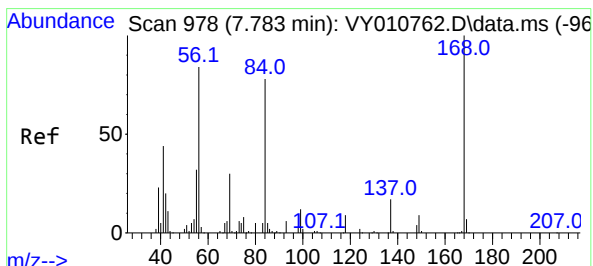
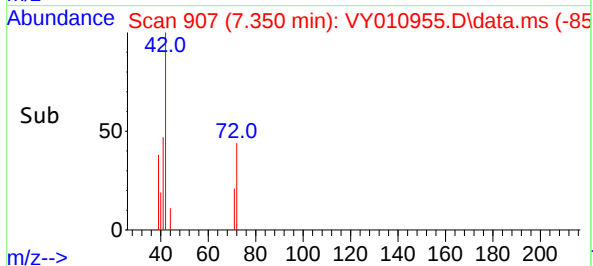
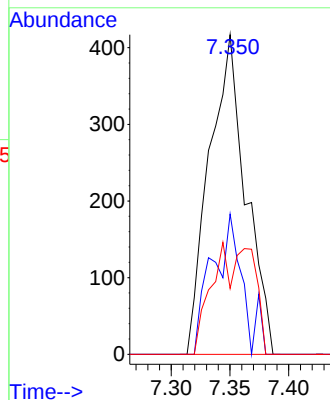
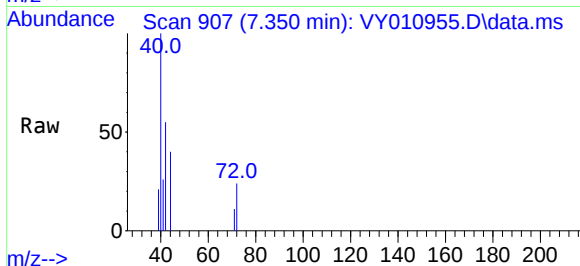
Tgt Ion: 42 Resp: 901

Ion Ratio Lower Upper

42 100

72 36.7 30.3 45.5

71 19.1 29.0 43.4#



#31

Cyclohexane

Concen: 1.123 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY010955.D

Acq: 13 Oct 2022 13:49

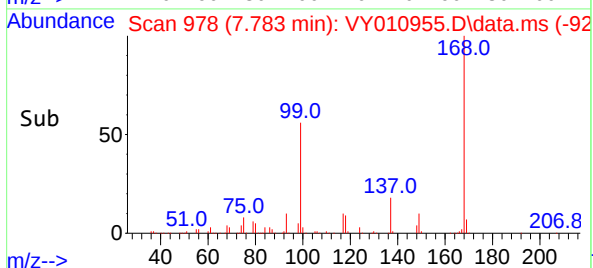
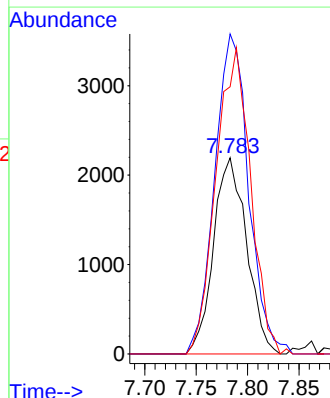
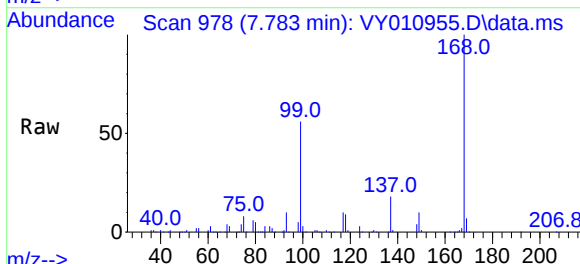
Tgt Ion: 56 Resp: 4914

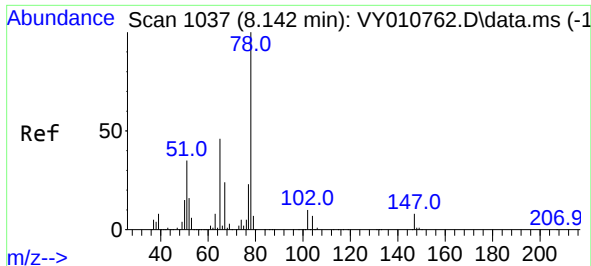
Ion Ratio Lower Upper

56 100

69 163.1 26.7 40.1#

84 136.2 67.2 100.8#

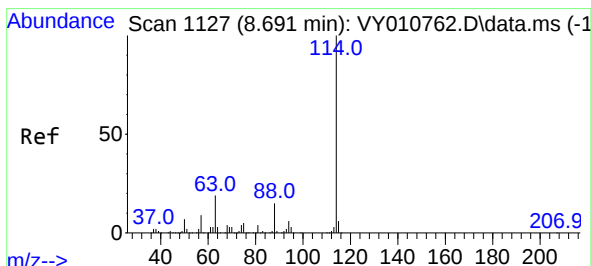
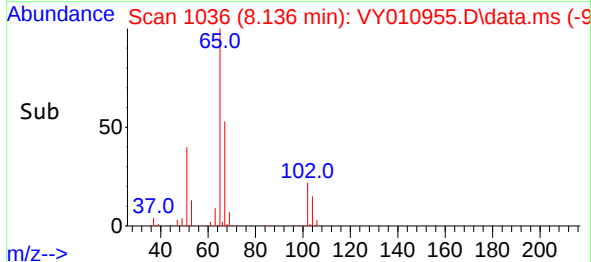
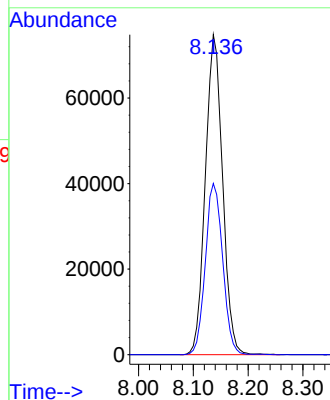
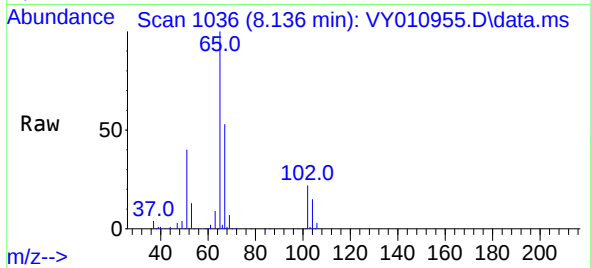




#33
1,2-Dichloroethane-d4
Concen: 66.707 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY010955.D
Acq: 13 Oct 2022 13:49

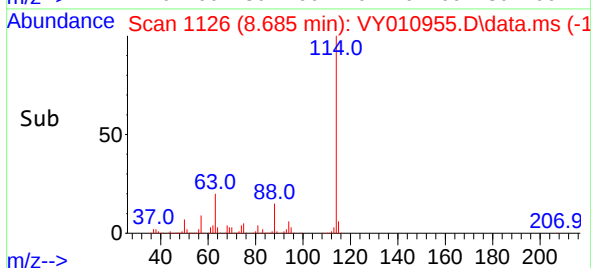
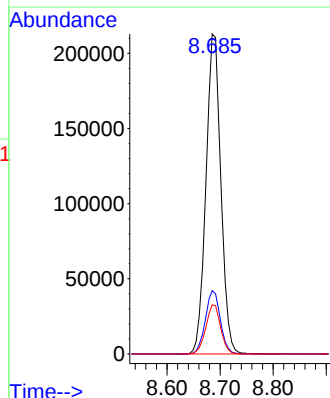
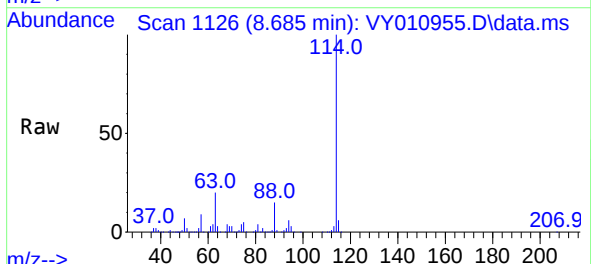
Instrument :
MSVOA_Y
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PL-01-101122

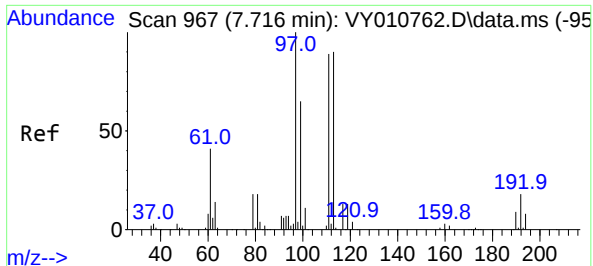
Tgt Ion: 65 Resp: 163092
Ion Ratio Lower Upper
65 100
67 53.8 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY010955.D
Acq: 13 Oct 2022 13:49

Tgt Ion: 114 Resp: 414758
Ion Ratio Lower Upper
114 100
63 19.8 0.0 43.2
88 15.3 0.0 31.8

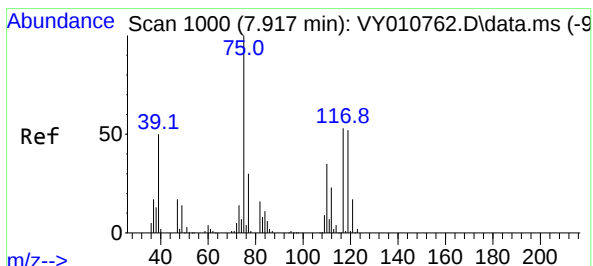
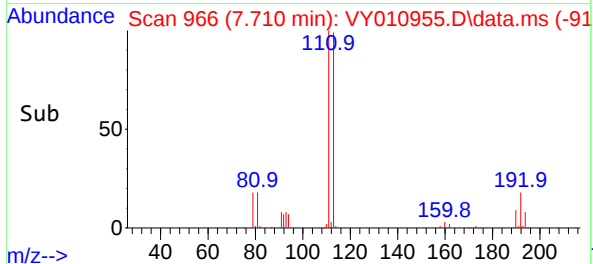
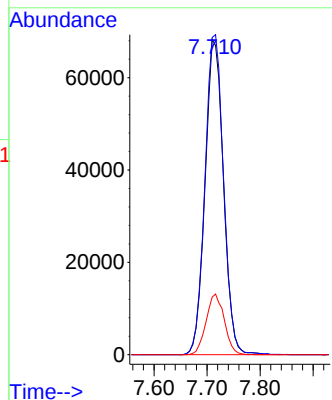
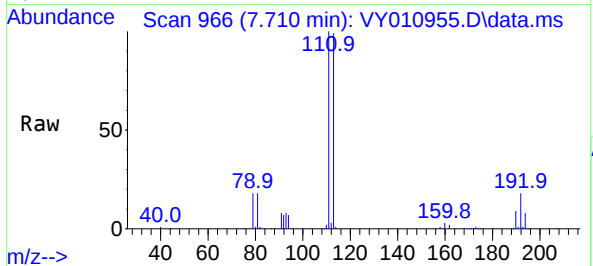




#35
Dibromofluoromethane
Concen: 59.603 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY010955.D
Acq: 13 Oct 2022 13:49

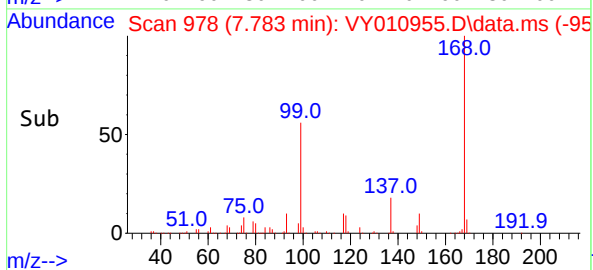
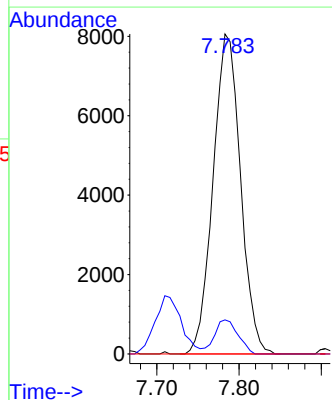
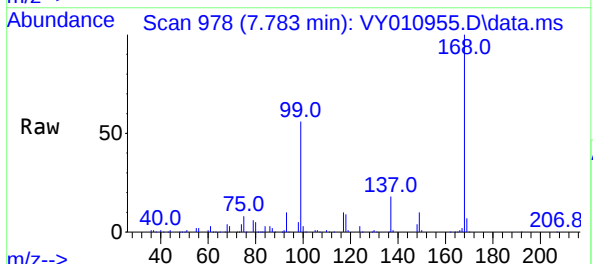
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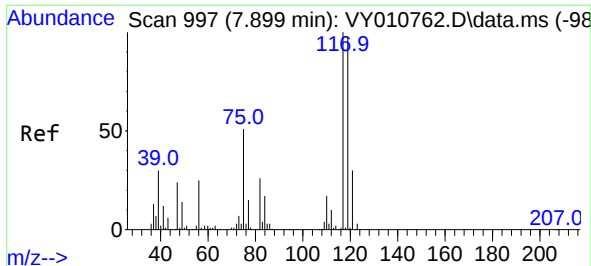
Tgt Ion:113 Resp: 164099
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 19.1 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.701 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY010955.D
Acq: 13 Oct 2022 13:49

Tgt Ion: 75 Resp: 18685
Ion Ratio Lower Upper
75 100
110 9.2 17.1 51.2#
77 0.0 24.4 36.6#

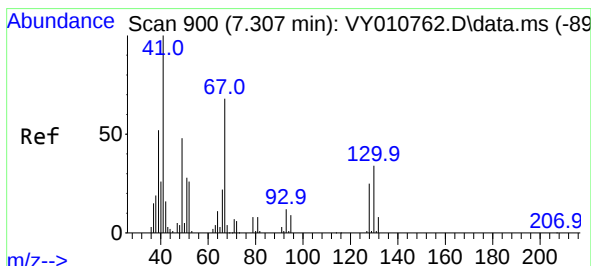
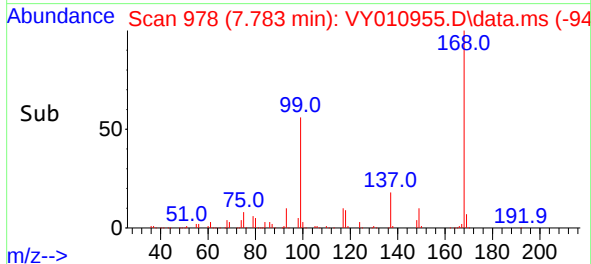
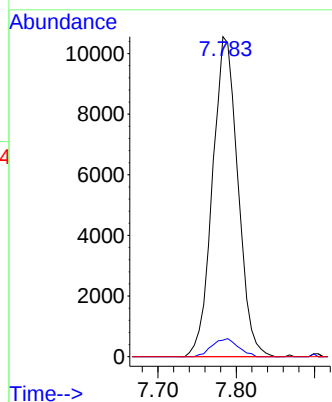
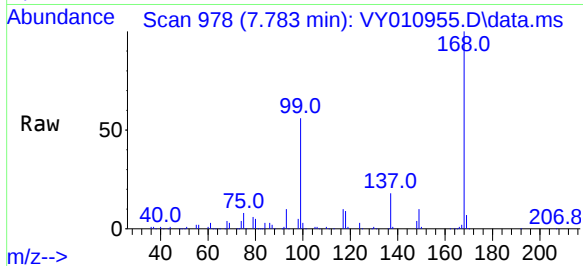




#38
Carbon Tetrachloride
Concen: 5.737 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010955.D
Acq: 13 Oct 2022 13:49

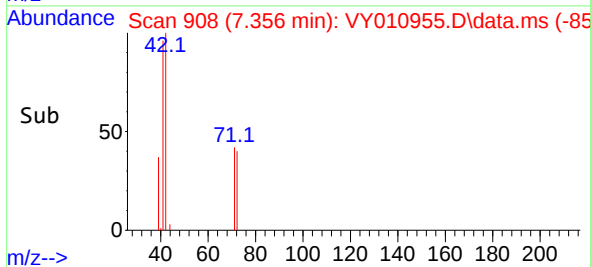
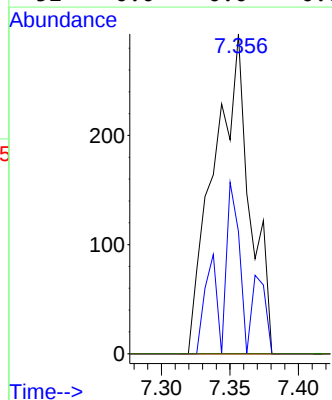
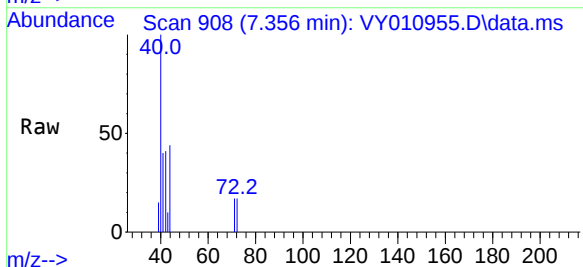
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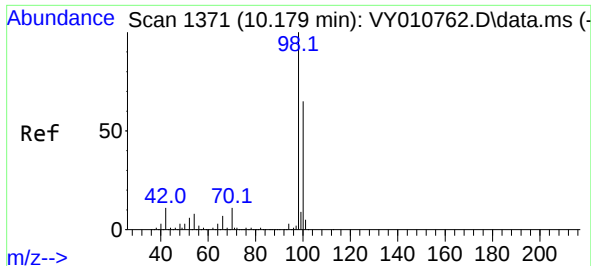
Tgt Ion:117 Resp: 23748
Ion Ratio Lower Upper
117 100
119 5.1 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 3.024 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.049 min
Lab File: VY010955.D
Acq: 13 Oct 2022 13:49

Tgt Ion: 41 Resp: 533
Ion Ratio Lower Upper
41 100
39 28.9 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

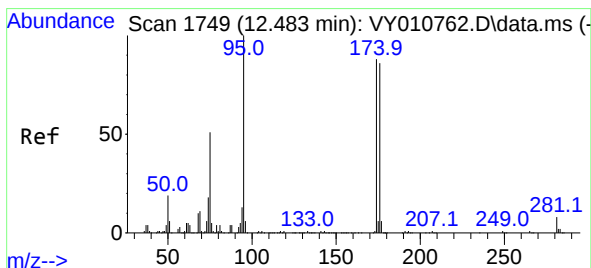
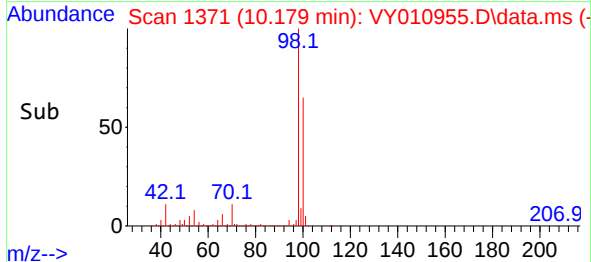
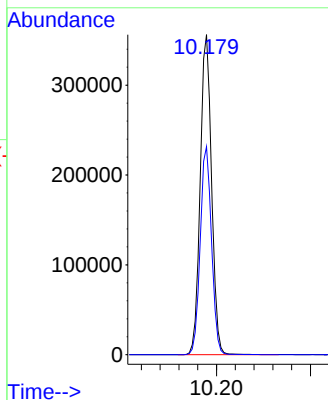
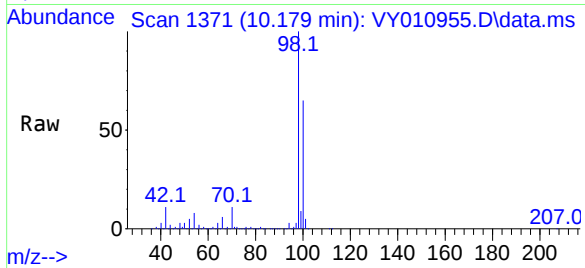




#50
Toluene-d8
Concen: 63.335 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010955.D
Acq: 13 Oct 2022 13:49

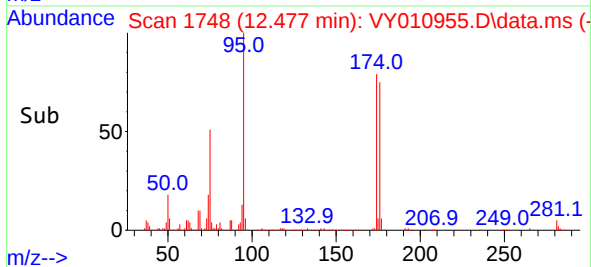
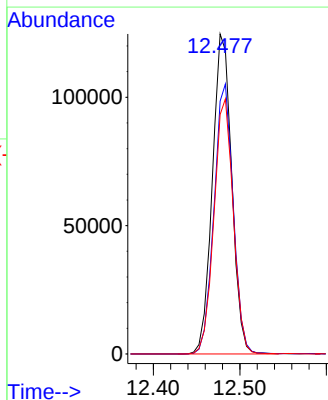
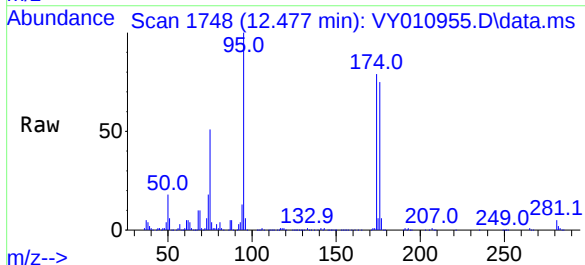
Instrument :
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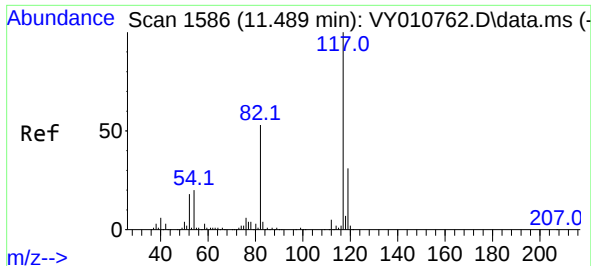
Tgt Ion: 98 Resp: 596337
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 52.714 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010955.D
Acq: 13 Oct 2022 13:49

Tgt Ion: 95 Resp: 193177
Ion Ratio Lower Upper
95 100
174 83.9 0.0 177.0
176 79.7 0.0 175.8

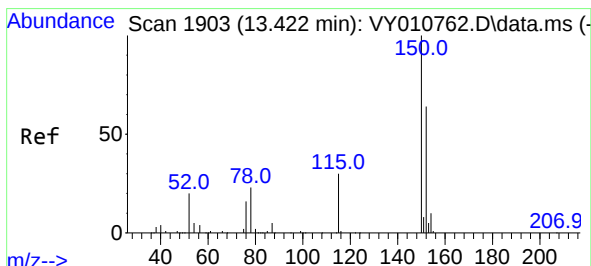
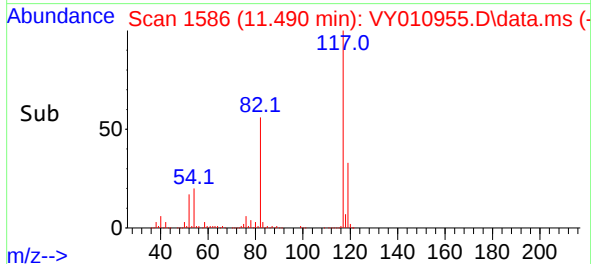
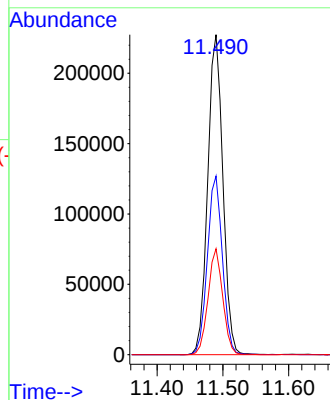
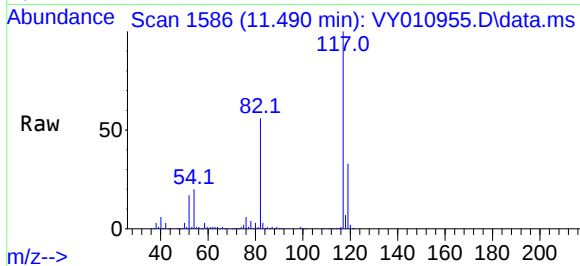




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY010955.D
Acq: 13 Oct 2022 13:49

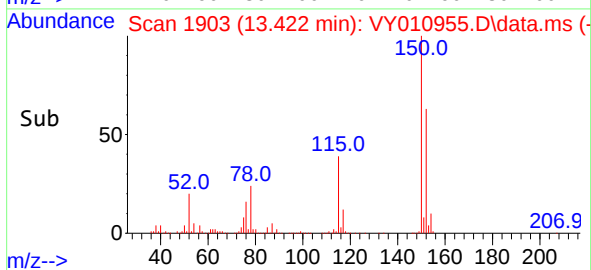
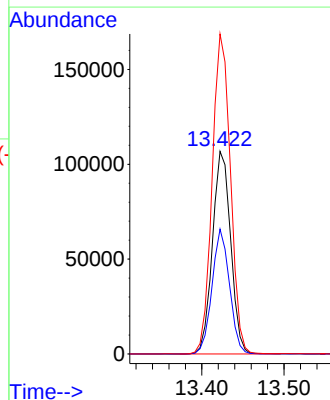
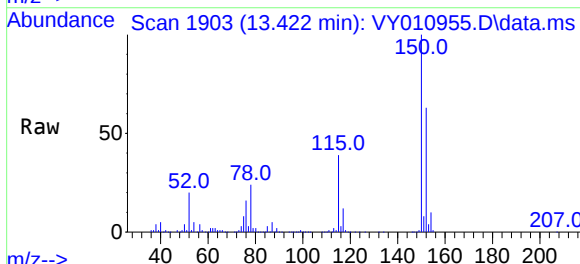
Instrument :
MSVOA_Y
ClientSampleId :
PL-01-101122

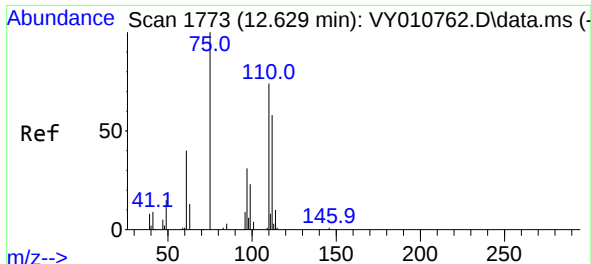
Tgt Ion:	117	Resp:	364898
Ion	Ratio	Lower	Upper
117	100		
82	55.8	43.0	64.4
119	33.1	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010955.D
Acq: 13 Oct 2022 13:49

Tgt Ion:	152	Resp:	164746
Ion	Ratio	Lower	Upper
152	100		
115	59.0	28.2	84.7
150	158.2	0.0	347.6

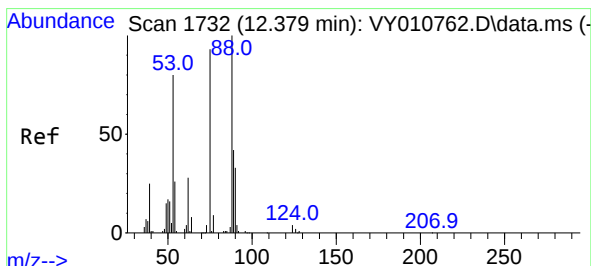
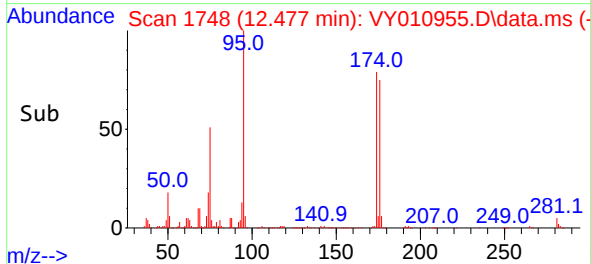
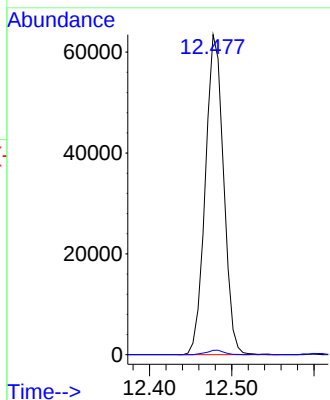
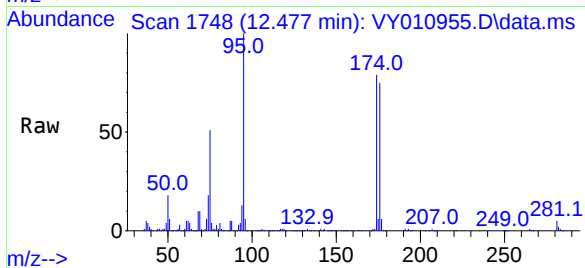




#76
1,2,3-Trichloropropane
Concen: 58.611 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY010955.D
Acq: 13 Oct 2022 13:49

Instrument :
MSVOA_Y
ClientSampleId :
PL-01-101122

Tgt Ion: 75 Resp: 97784
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.433 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY010955.D
Acq: 13 Oct 2022 13:49

Tgt Ion: 75 Resp: 97784
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.3 37.0 55.4#

