

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100722\
 Data File : VY010878.D
 Acq On : 07 Oct 2022 17:35
 Operator : KP/MD
 Sample : N5046-08
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 R-8

Quant Time: Oct 08 04:48:13 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)

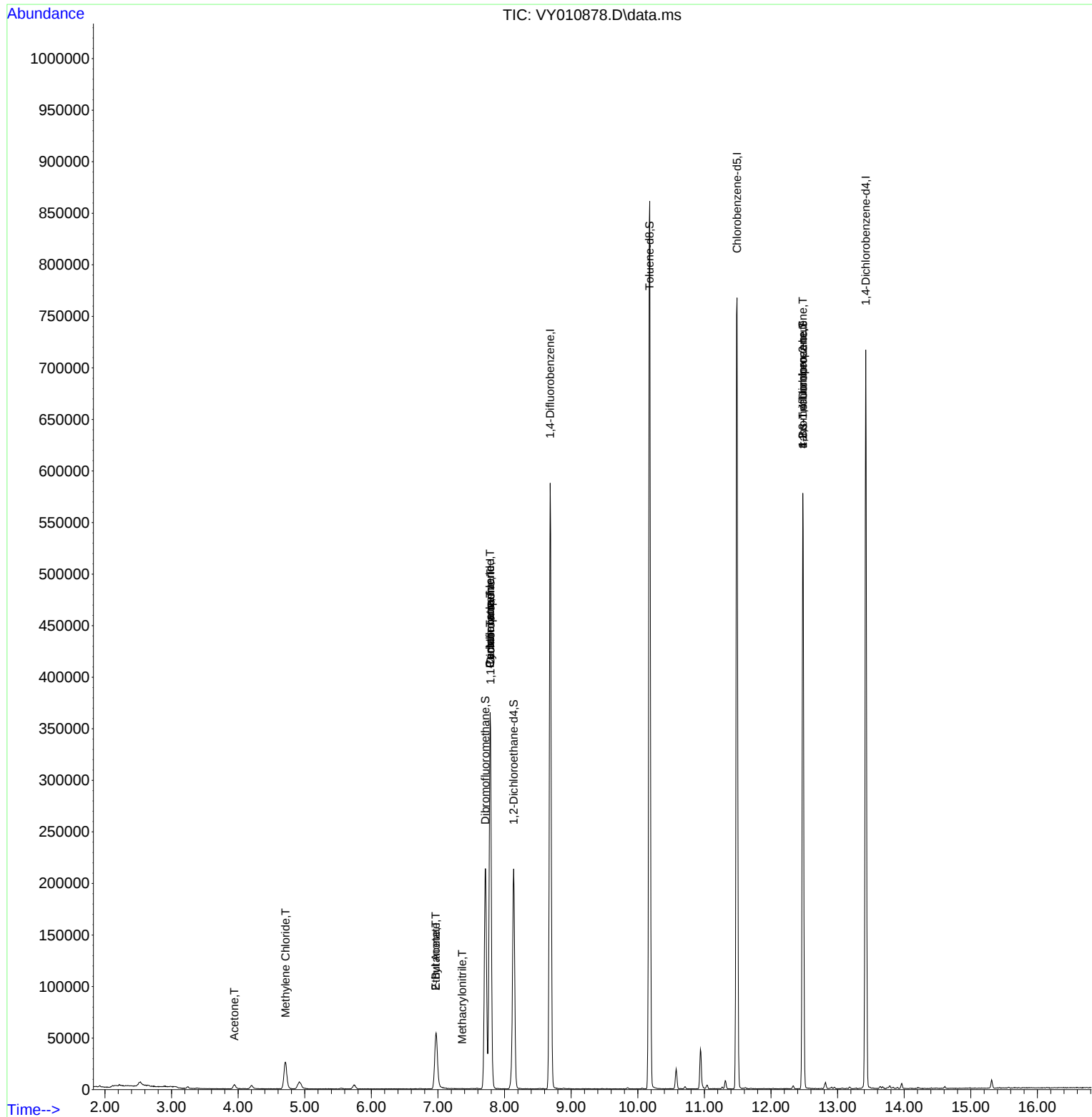
Internal Standards						
1) Pentafluorobenzene	7.783	168	279258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	492534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	423497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	180309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	157194	55.533	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.060%
35) Dibromofluoromethane	7.710	113	153783	47.036	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.080%
50) Toluene-d8	10.179	98	576322	51.544	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.080%
62) 4-Bromofluorobenzene	12.477	95	170412	38.138	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	76.280%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.918	59	7175	Below Cal	#	78
16) Acetone	3.942	43	7184	9.993	ug/l #	82
20) Methylene Chloride	4.710	84	19788	1.185	ug/l #	84
25) 2-Butanone	6.966	43	3529	3.414	ug/l #	78
31) Cyclohexane	7.783	56	5924	1.169	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	22658	4.801	ug/l #	50
37) Ethyl Acetate	6.966	43	3529	1.524	ug/l #	1
38) Carbon Tetrachloride	7.783	117	27951	5.686	ug/l #	16
41) Methacrylonitrile	7.362	41	63	2.625	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	87374	47.851	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	87374	99.956	ug/l #	7

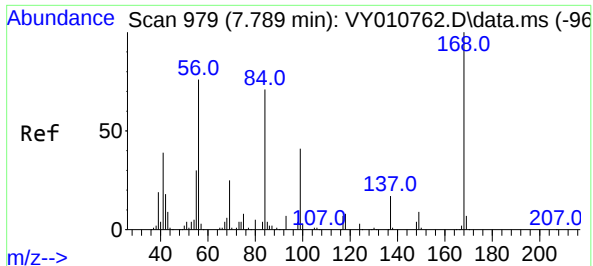
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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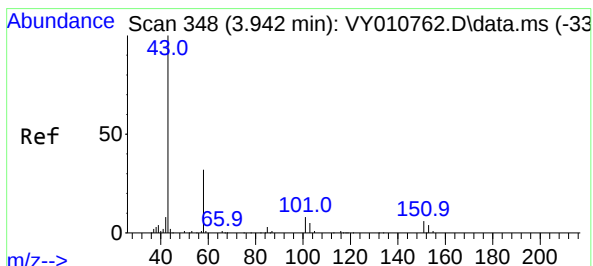
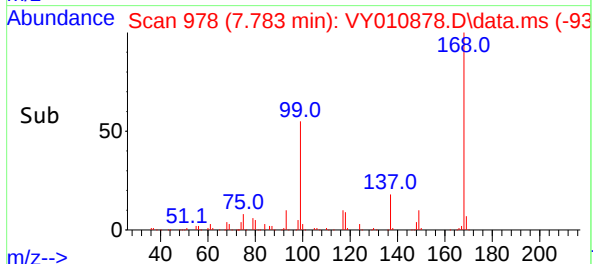
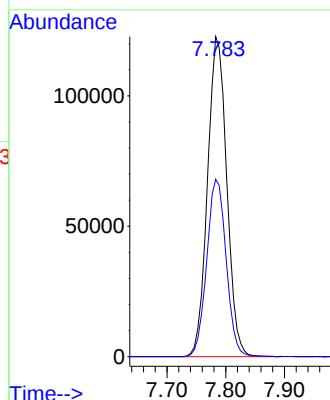
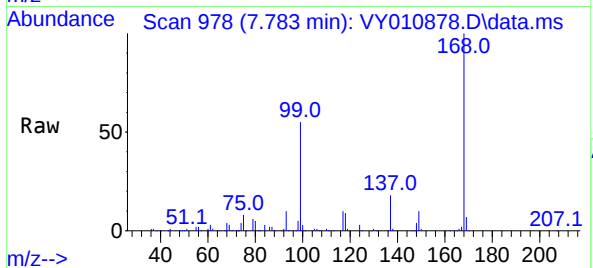




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY010878.D
Acq: 07 Oct 2022 17:35

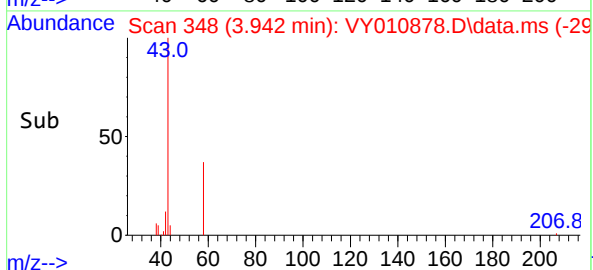
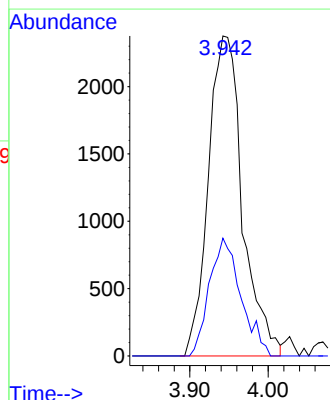
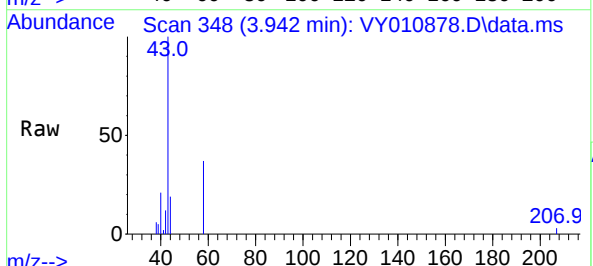
Instrument :
MSVOA_Y
ClientSampleId :
R-8

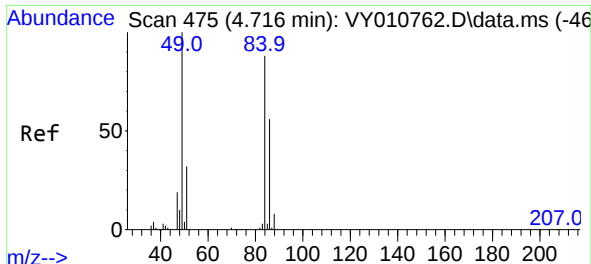
Tgt Ion:168 Resp: 279258
Ion Ratio Lower Upper
168 100
99 55.4 46.9 70.3



#16
Acetone
Concen: 9.993 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010878.D
Acq: 07 Oct 2022 17:35

Tgt Ion: 43 Resp: 7184
Ion Ratio Lower Upper
43 100
58 36.8 22.0 33.0#



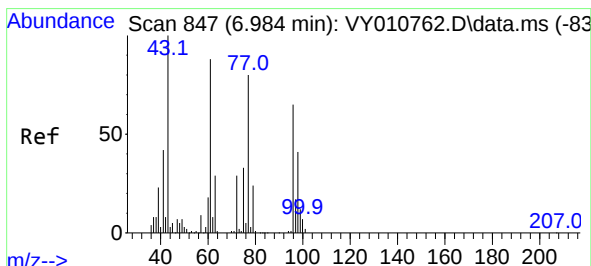
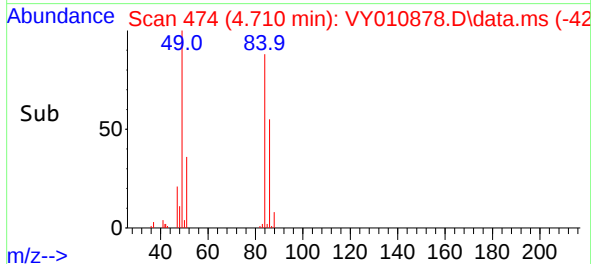
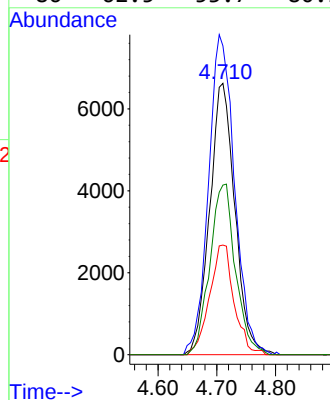
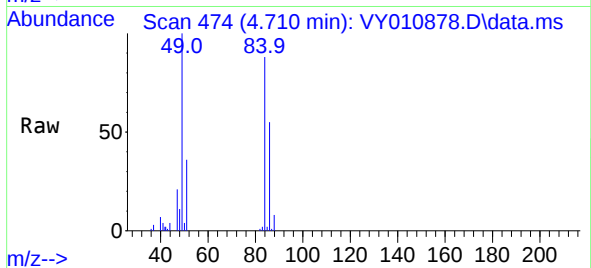


#20
Methylene Chloride
Concen: 1.185 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010878.D
Acq: 07 Oct 2022 17:35

Instrument :
MSVOA_Y
ClientSampleId :
R-8

Tgt Ion: 84 Resp: 19788

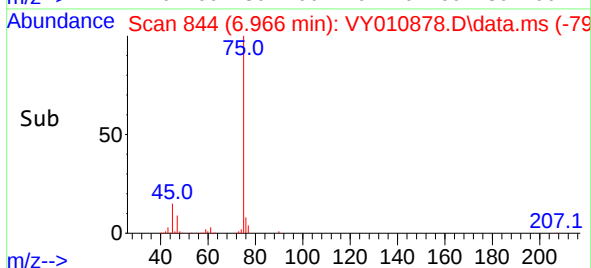
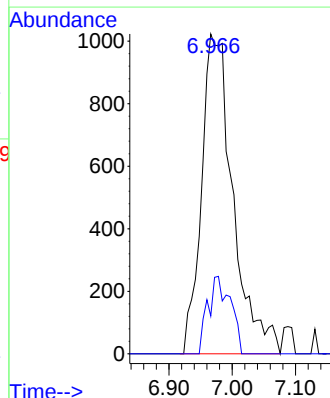
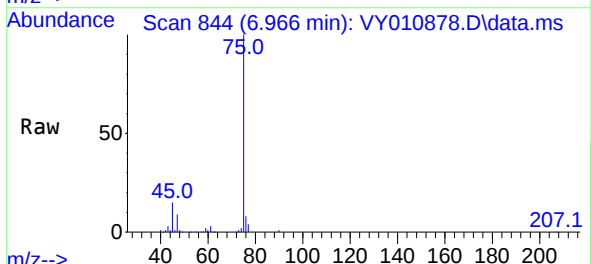
Ion	Ratio	Lower	Upper
84	100		
49	113.8	114.4	171.6#
51	40.4	35.3	52.9
86	62.5	53.7	80.5

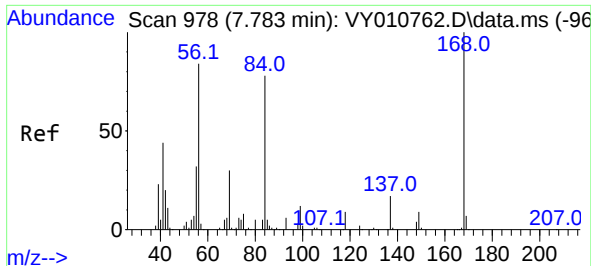


#25
2-Butanone
Concen: 3.414 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.018 min
Lab File: VY010878.D
Acq: 07 Oct 2022 17:35

Tgt Ion: 43 Resp: 3529

Ion	Ratio	Lower	Upper
43	100		
72	11.8	17.7	26.5#

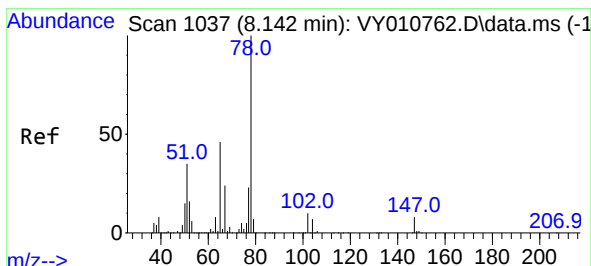
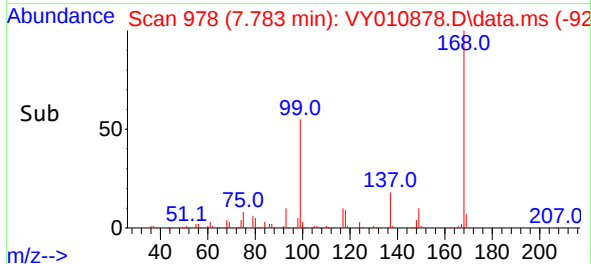
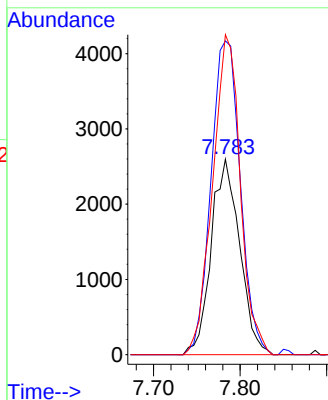
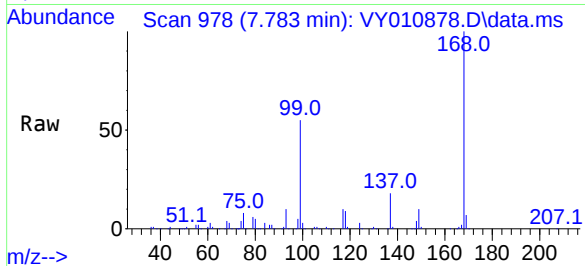




#31
Cyclohexane
Concen: 1.169 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010878.D
Acq: 07 Oct 2022 17:35

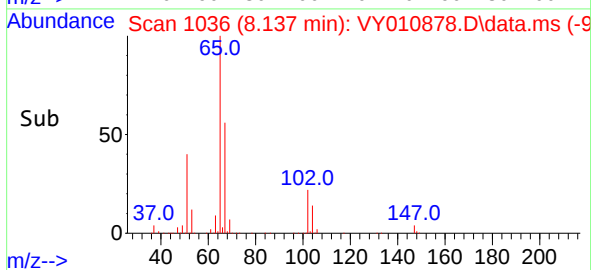
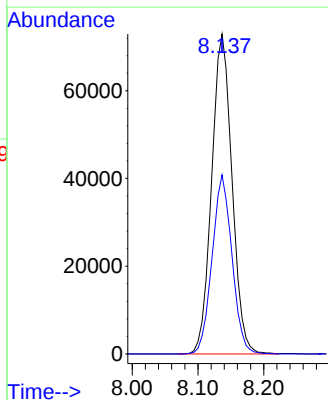
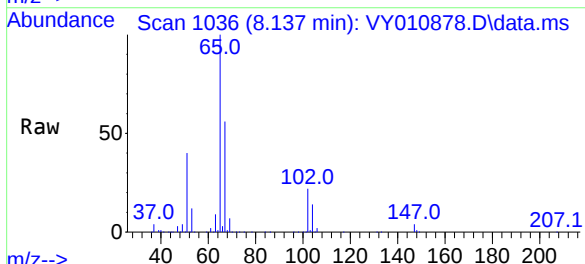
Instrument :
MSVOA_Y
ClientSampleId :
R-8

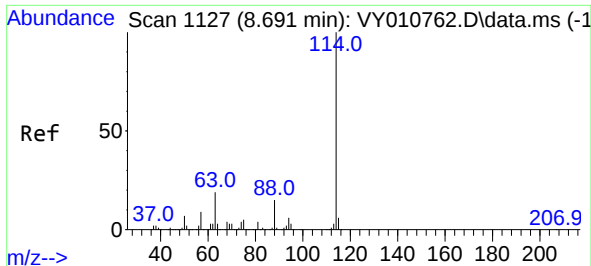
Tgt Ion: 56 Resp: 5924
Ion Ratio Lower Upper
56 100
69 160.5 26.7 40.1#
84 163.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 55.533 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY010878.D
Acq: 07 Oct 2022 17:35

Tgt Ion: 65 Resp: 157194
Ion Ratio Lower Upper
65 100
67 54.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY010878.D

Acq: 07 Oct 2022 17:35

Instrument :

MSVOA_Y

ClientSampleId :

R-8

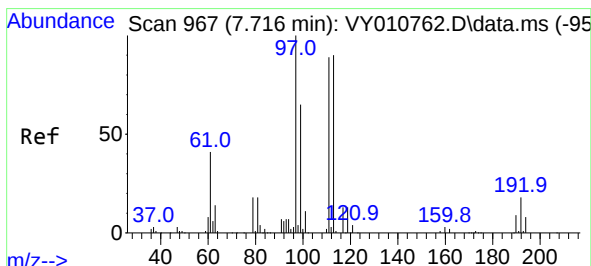
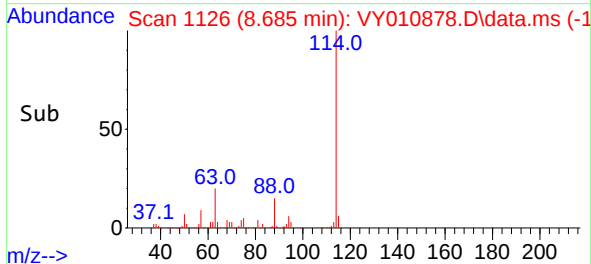
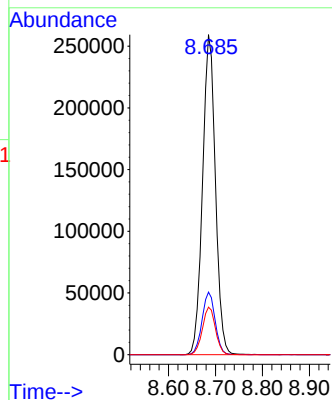
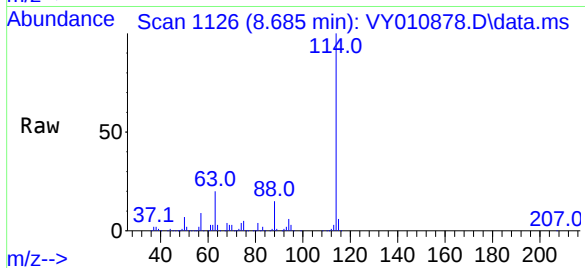
Tgt Ion:114 Resp: 492534

Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

88 14.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.036 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY010878.D

Acq: 07 Oct 2022 17:35

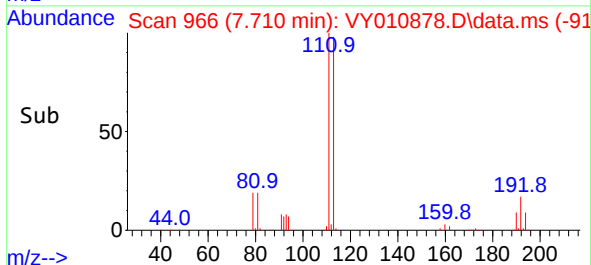
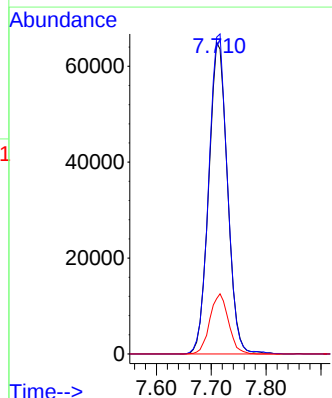
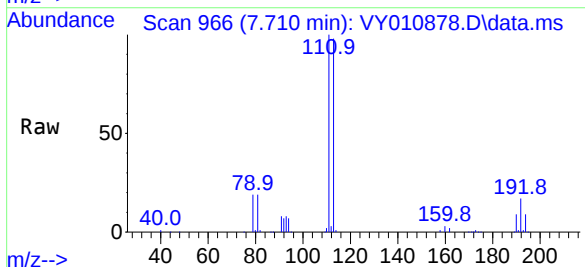
Tgt Ion:113 Resp: 153783

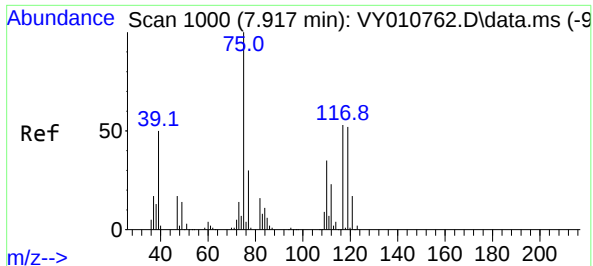
Ion Ratio Lower Upper

113 100

111 102.1 82.6 124.0

192 19.2 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.801 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010878.D

Acq: 07 Oct 2022 17:35

Instrument :

MSVOA_Y

ClientSampleId :

R-8

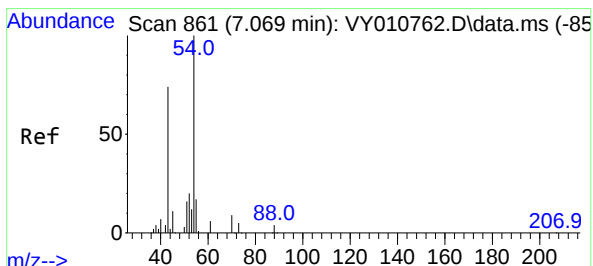
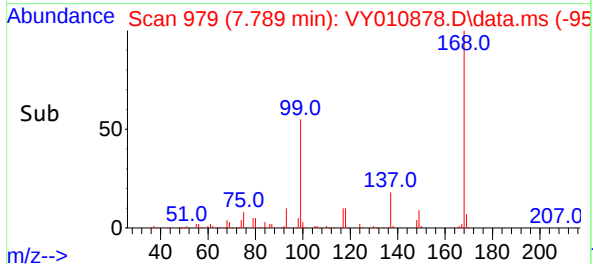
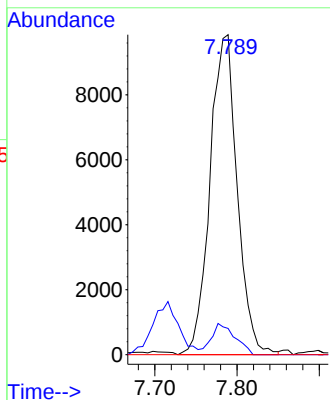
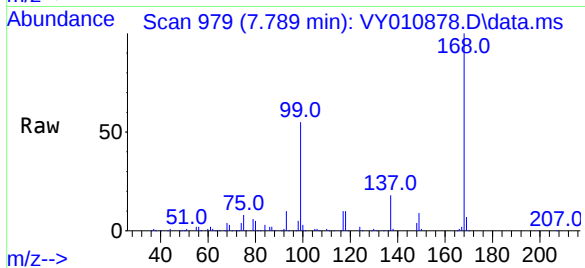
Tgt Ion: 75 Resp: 22658

Ion Ratio Lower Upper

75 100

110 8.6 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.524 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.103 min

Lab File: VY010878.D

Acq: 07 Oct 2022 17:35

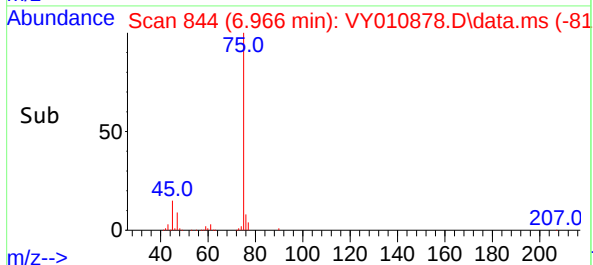
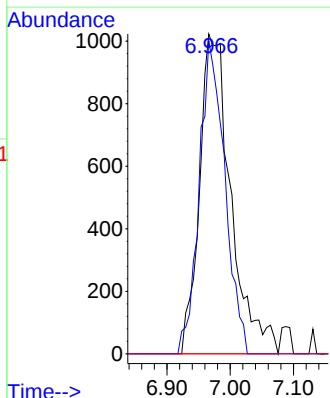
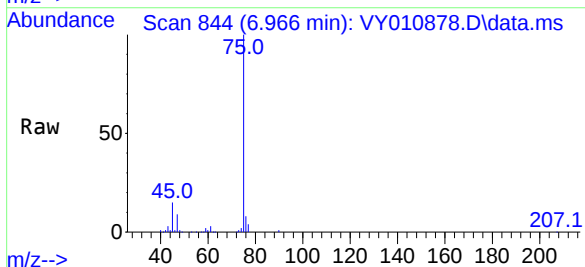
Tgt Ion: 43 Resp: 3529

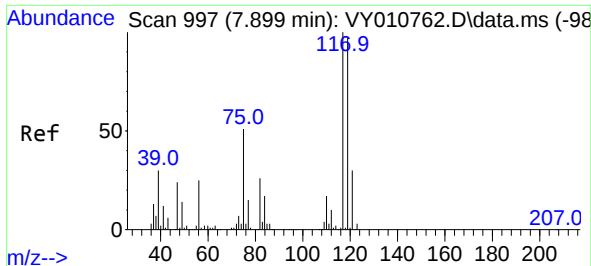
Ion Ratio Lower Upper

43 100

61 79.7 9.7 14.5#

70 0.0 7.1 10.7#

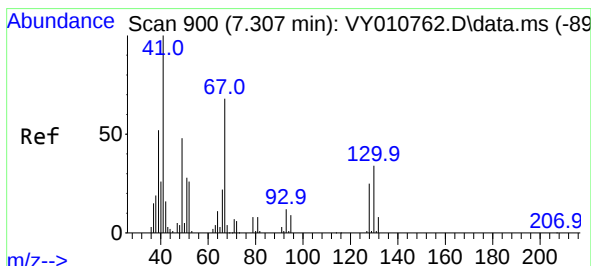
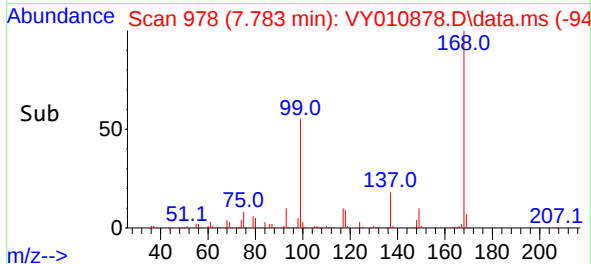
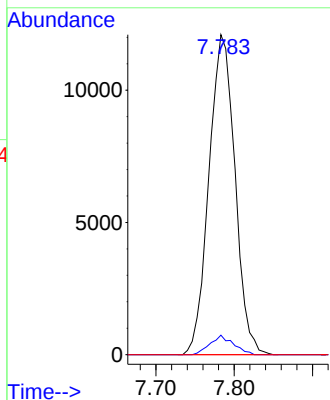
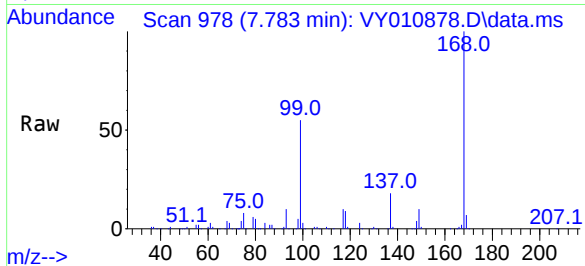




#38
Carbon Tetrachloride
Concen: 5.686 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010878.D
Acq: 07 Oct 2022 17:35

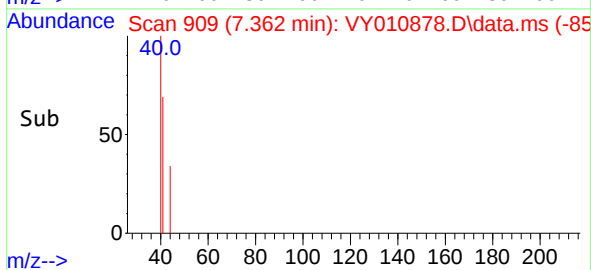
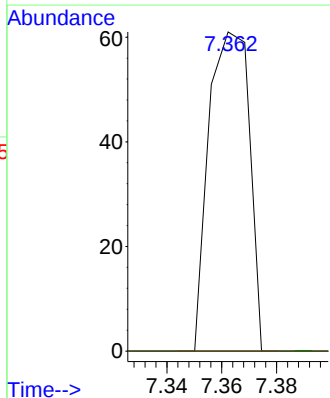
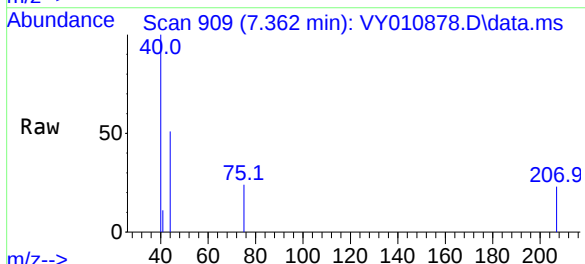
Instrument :
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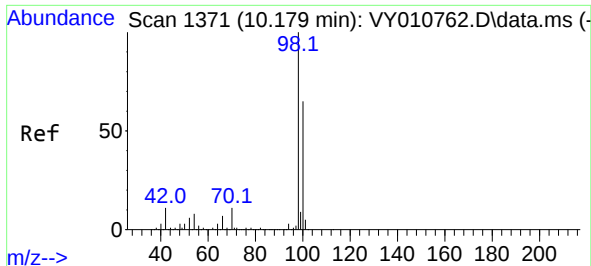
Tgt Ion:117 Resp: 27951
Ion Ratio Lower Upper
117 100
119 6.1 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 2.625 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.055 min
Lab File: VY010878.D
Acq: 07 Oct 2022 17:35

Tgt Ion: 41 Resp: 63
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

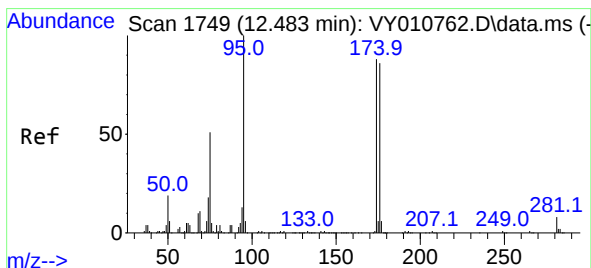
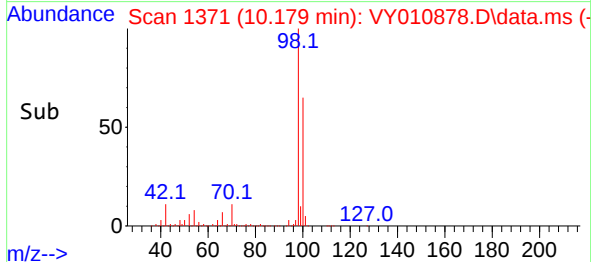
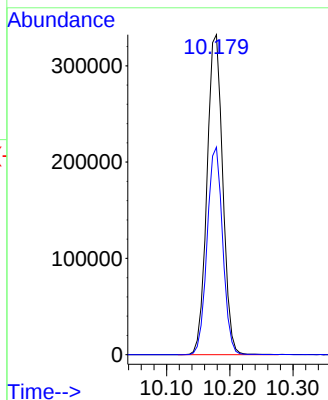
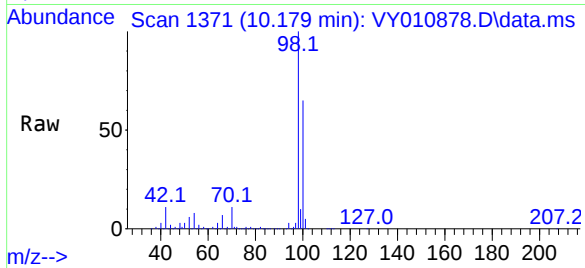




#50
Toluene-d8
Concen: 51.544 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010878.D
Acq: 07 Oct 2022 17:35

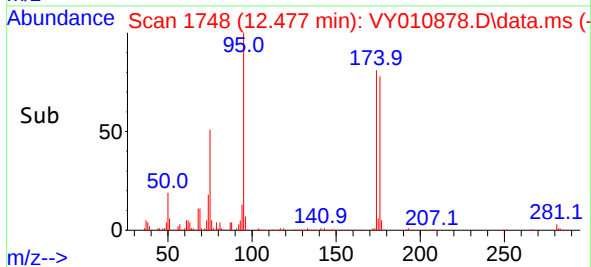
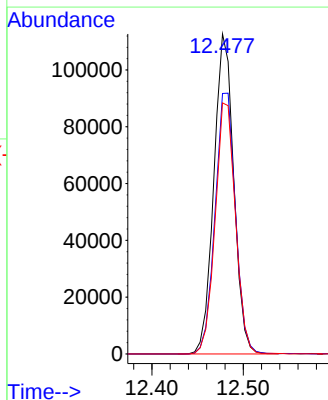
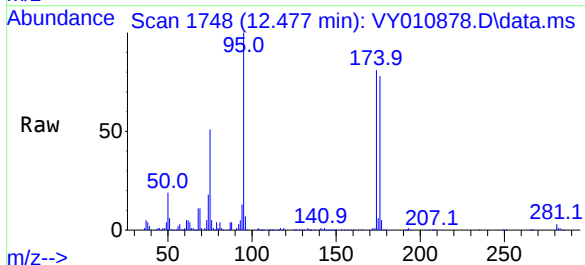
Instrument :
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ClientSampleId :
R-8

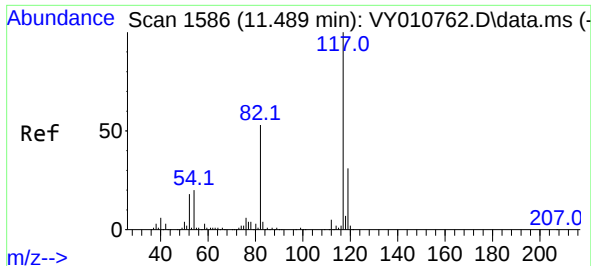
Tgt Ion: 98 Resp: 576322
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 38.138 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010878.D
Acq: 07 Oct 2022 17:35

Tgt Ion: 95 Resp: 170412
Ion Ratio Lower Upper
95 100
174 83.9 0.0 177.0
176 80.1 0.0 175.8

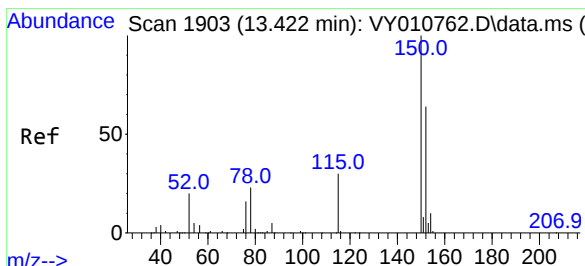
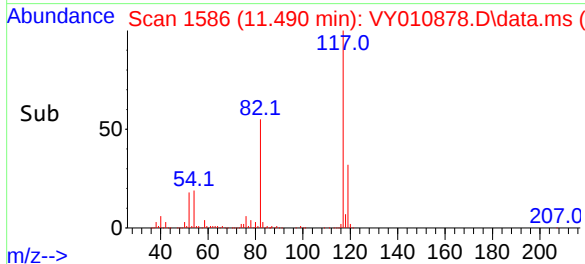
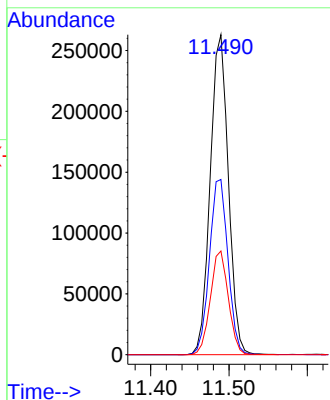
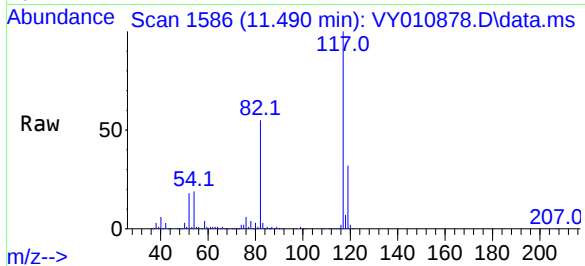




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY010878.D
Acq: 07 Oct 2022 17:35

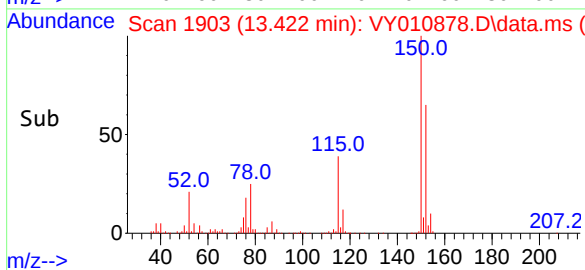
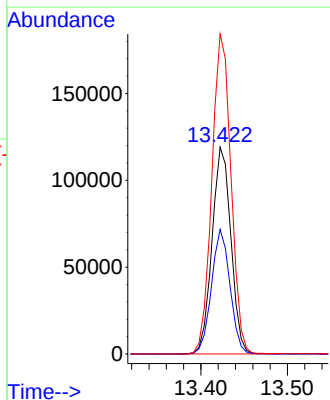
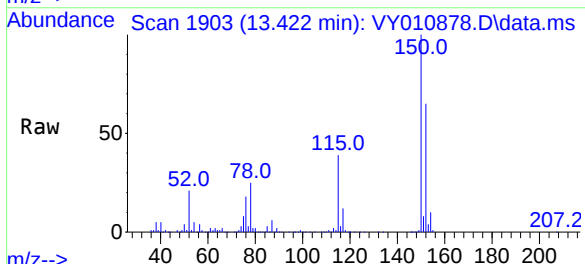
Instrument :
MSVOA_Y
ClientSampleId :
R-8

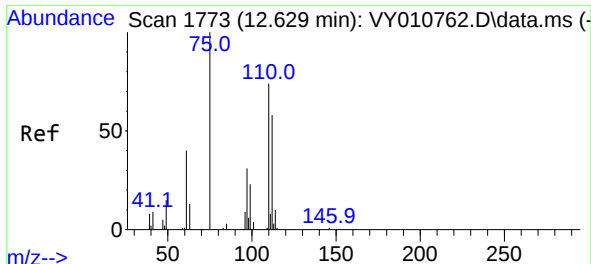
Tgt Ion:	117	Resp:	423497
Ion	Ratio	Lower	Upper
117	100		
82	54.7	43.0	64.4
119	32.4	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010878.D
Acq: 07 Oct 2022 17:35

Tgt Ion:	152	Resp:	180309
Ion	Ratio	Lower	Upper
152	100		
115	59.1	28.2	84.7
150	156.8	0.0	347.6

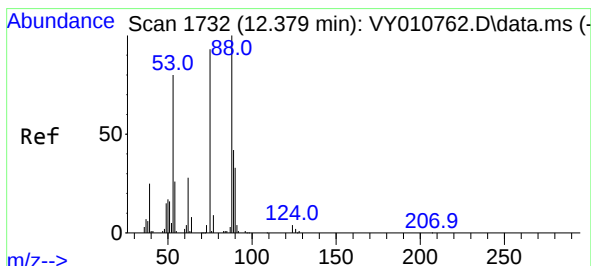
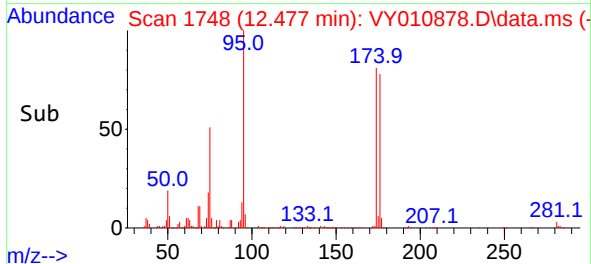
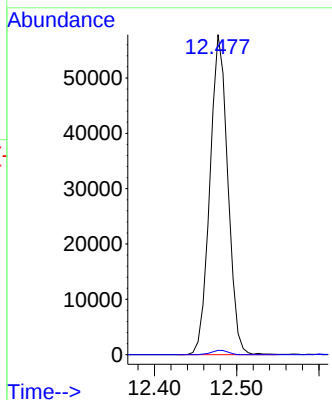
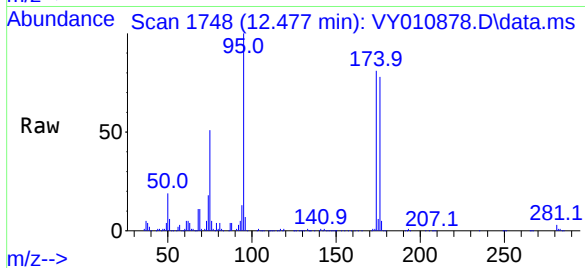




#76
1,2,3-Trichloropropane
Concen: 47.851 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010878.D
Acq: 07 Oct 2022 17:35

Instrument :
MSVOA_Y
ClientSampleId :
R-8

Tgt Ion: 75 Resp: 87374
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.956 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY010878.D
Acq: 07 Oct 2022 17:35

Tgt Ion: 75 Resp: 87374
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#

