

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100722\
 Data File : VY010881.D
 Acq On : 07 Oct 2022 18:43
 Operator : KP/MD
 Sample : N5046-12
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 R-12

Quant Time: Oct 08 04:48:40 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)

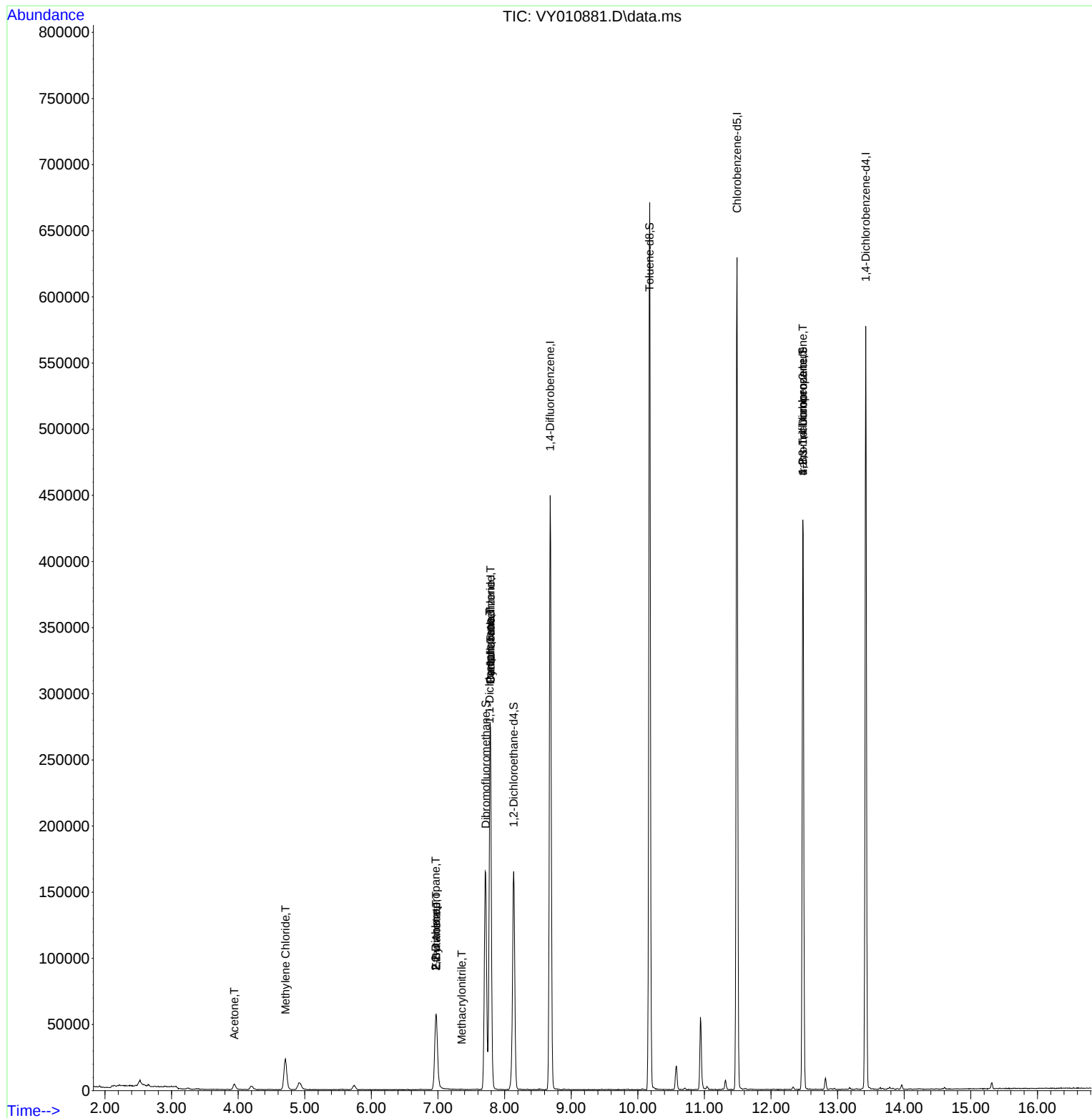
Internal Standards						
1) Pentafluorobenzene	7.789	168	212506	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	381204	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	335679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	141275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	123446	57.310	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.620%			
35) Dibromofluoromethane	7.716	113	119296	47.144	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.280%			
50) Toluene-d8	10.179	98	433962	50.147	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.300%			
62) 4-Bromofluorobenzene	12.477	95	129779	37.463	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 74.920%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.924	59	6006	Below Cal #		77
16) Acetone	3.942	43	7401	13.529 ug/l #		89
20) Methylene Chloride	4.710	84	17259	2.210 ug/l #		83
25) 2-Butanone	6.972	43	3532	4.491 ug/l #		81
26) 2,2-Dichloropropane	6.966	77	4285	1.124 ug/l #		55
31) Cyclohexane	7.789	56	4403	1.142 ug/l #		1
36) 1,1-Dichloropropene	7.777	75	16638	4.555 ug/l #		51
37) Ethyl Acetate	6.972	43	3532	1.970 ug/l #		1
38) Carbon Tetrachloride	7.789	117	21466	5.642 ug/l #		14
41) Methacrylonitrile	7.356	41	100	2.672 ug/l #		30
76) 1,2,3-Trichloropropane	12.477	75	67746	47.352 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.477	75	67746	98.915 ug/l #		7

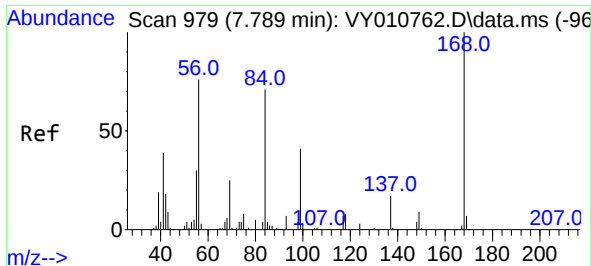
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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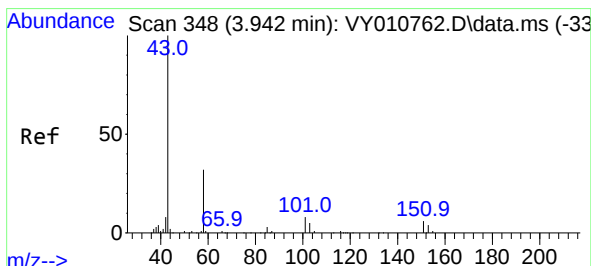
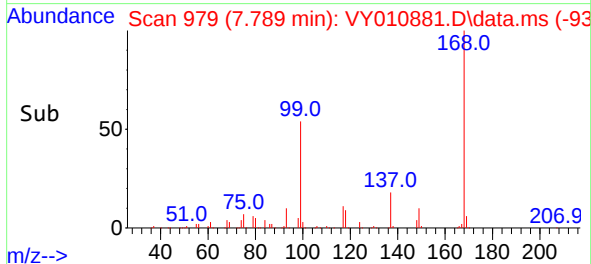
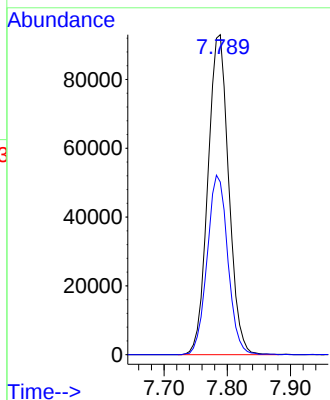
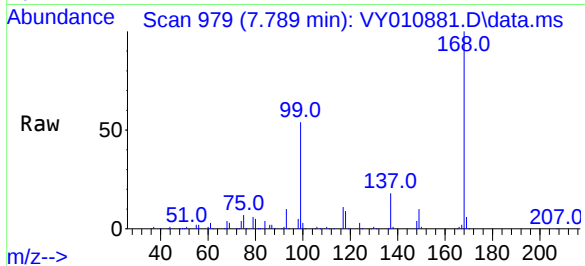




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010881.D
Acq: 07 Oct 2022 18:43

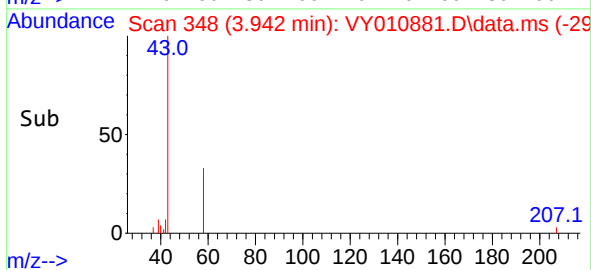
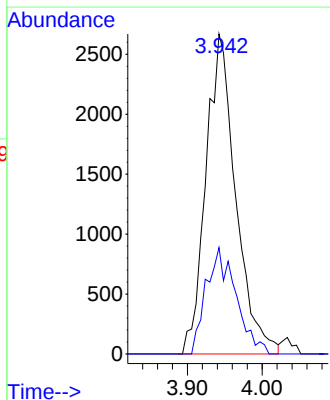
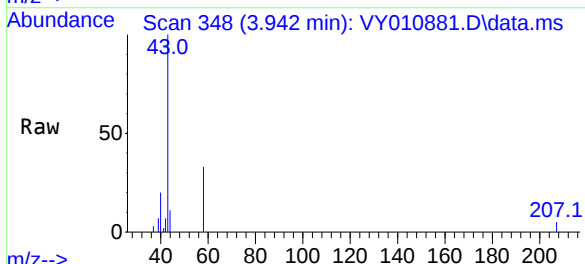
Instrument :
MSVOA_Y
ClientSampleId :
R-12

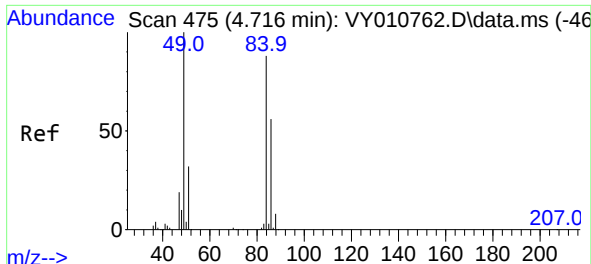
Tgt Ion:168 Resp: 212506
Ion Ratio Lower Upper
168 100
99 53.9 46.9 70.3



#16
Acetone
Concen: 13.529 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010881.D
Acq: 07 Oct 2022 18:43

Tgt Ion: 43 Resp: 7401
Ion Ratio Lower Upper
43 100
58 33.3 22.0 33.0#

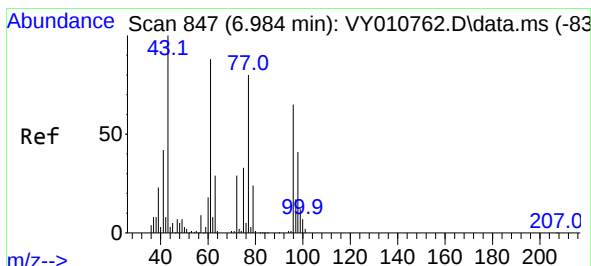
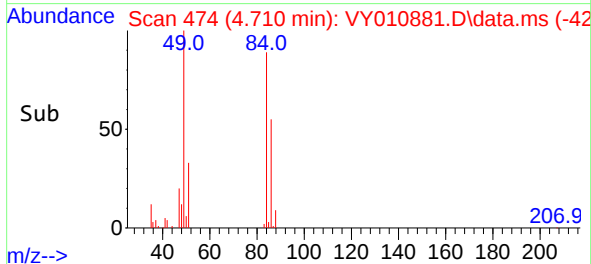
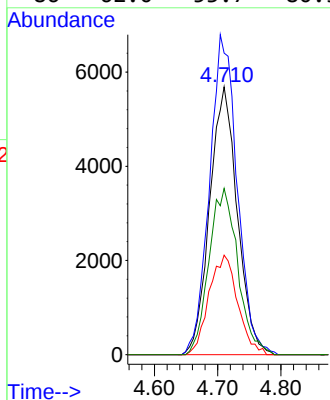
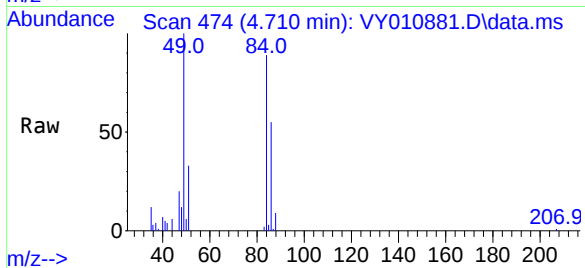




#20
Methylene Chloride
Concen: 2.210 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010881.D
Acq: 07 Oct 2022 18:43

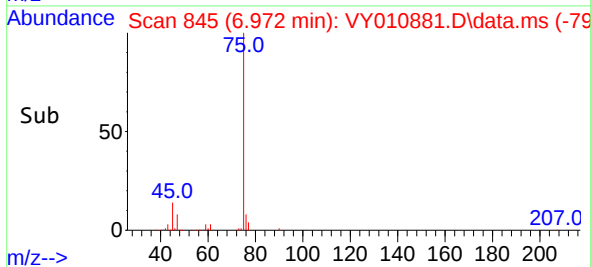
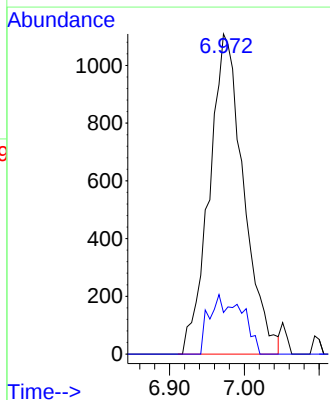
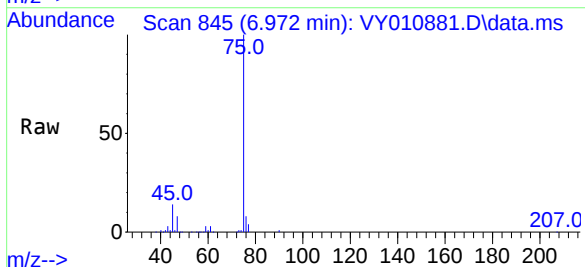
Instrument :
MSVOA_Y
ClientSampleId :
R-12

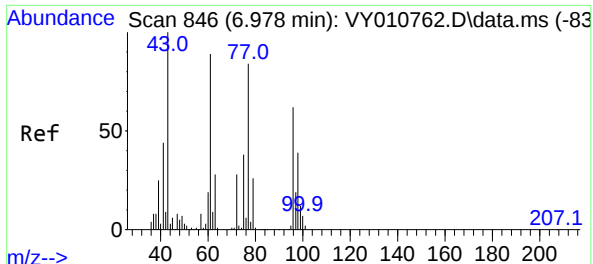
Tgt Ion: 84 Resp: 17259
Ion Ratio Lower Upper
84 100
49 112.6 114.4 171.6#
51 37.2 35.3 52.9
86 62.0 53.7 80.5



#25
2-Butanone
Concen: 4.491 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY010881.D
Acq: 07 Oct 2022 18:43

Tgt Ion: 43 Resp: 3532
Ion Ratio Lower Upper
43 100
72 13.0 17.7 26.5#





#26

2,2-Dichloropropane

Concen: 1.124 ug/l

RT: 6.966 min Scan# 846

Delta R.T. -0.012 min

Lab File: VY010881.D

Acq: 07 Oct 2022 18:43

Instrument :

MSVOA_Y

ClientSampleId :

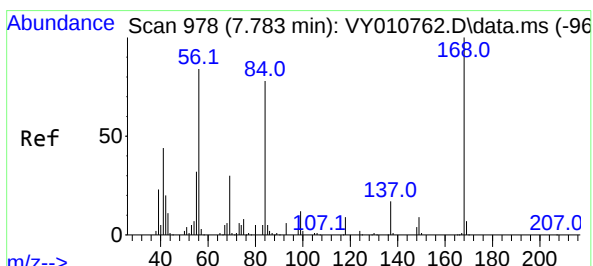
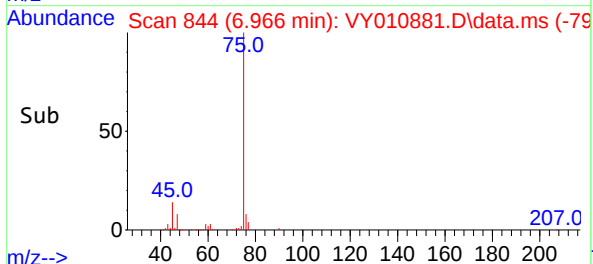
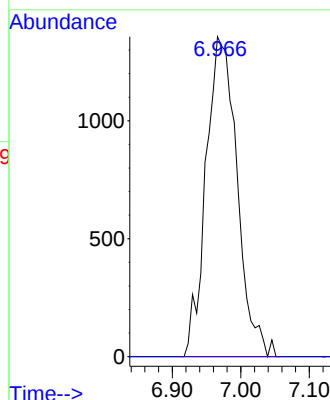
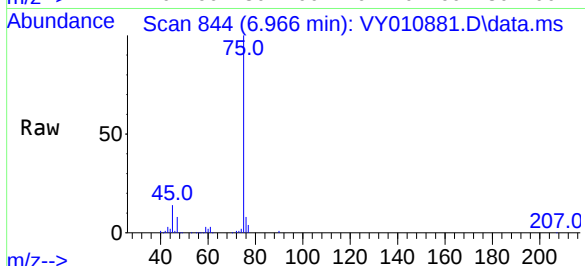
R-12

Tgt Ion: 77 Resp: 4285

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.142 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY010881.D

Acq: 07 Oct 2022 18:43

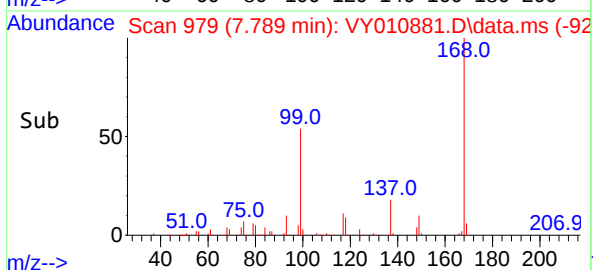
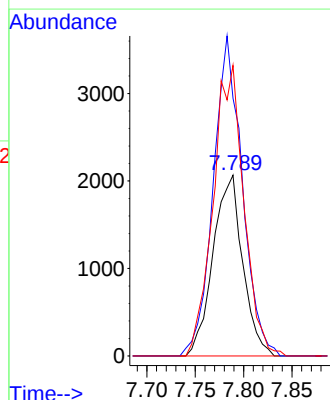
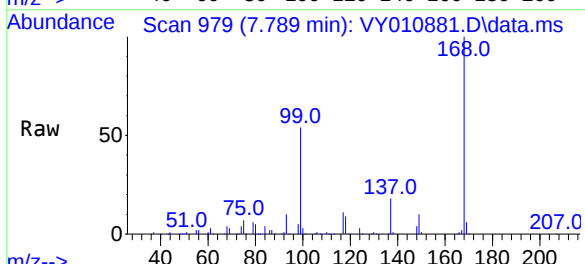
Tgt Ion: 56 Resp: 4403

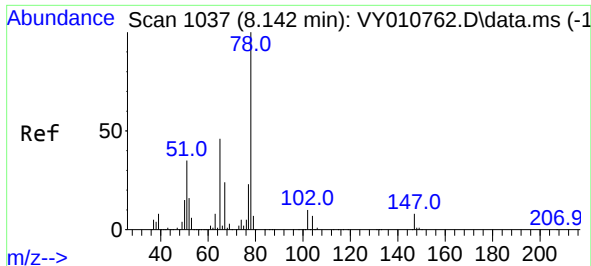
Ion Ratio Lower Upper

56 100

69 142.6 26.7 40.1#

84 160.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 57.310 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY010881.D

Acq: 07 Oct 2022 18:43

Instrument :

MSVOA_Y

ClientSampleId :

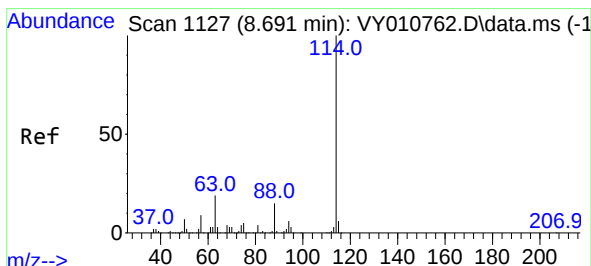
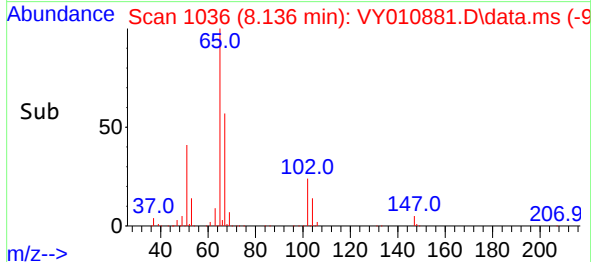
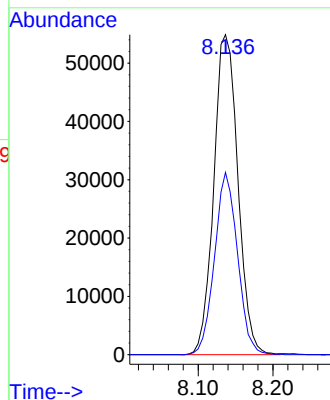
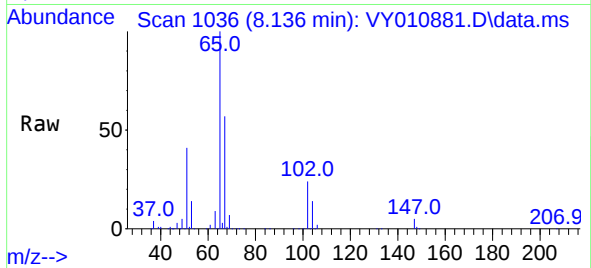
R-12

Tgt Ion: 65 Resp: 123446

Ion Ratio Lower Upper

65 100

67 54.1 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: VY010881.D

Acq: 07 Oct 2022 18:43

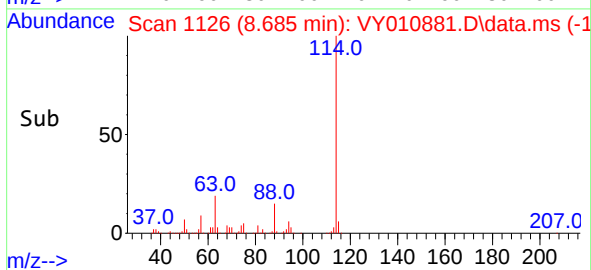
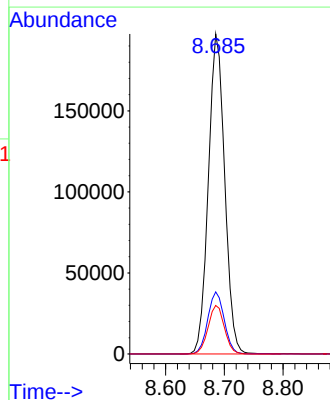
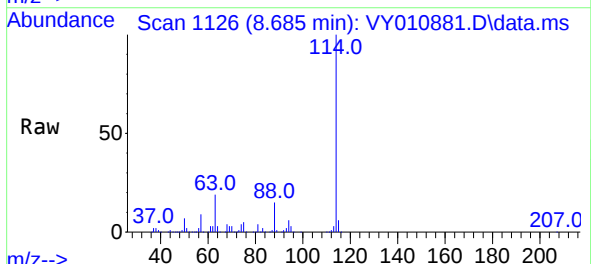
Tgt Ion: 114 Resp: 381204

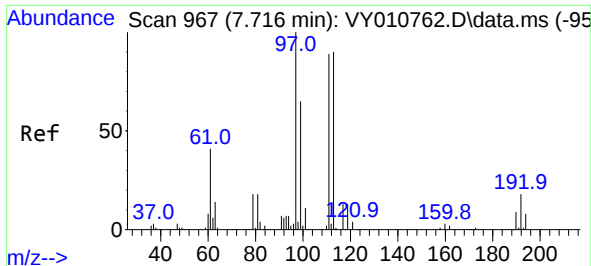
Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 15.1 0.0 31.8

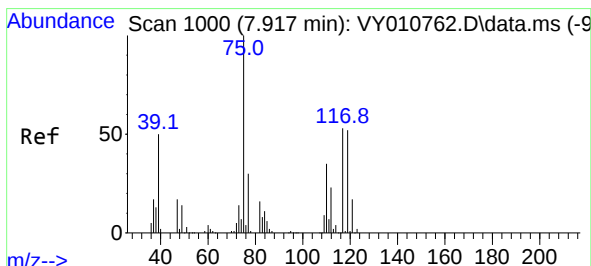
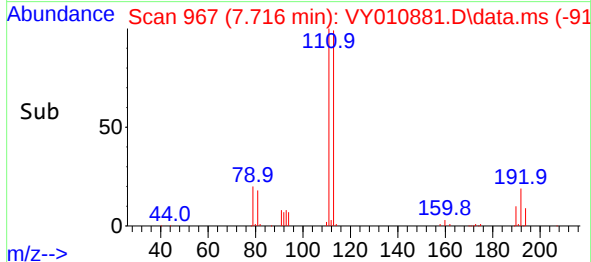
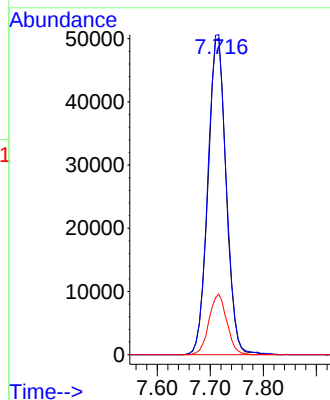
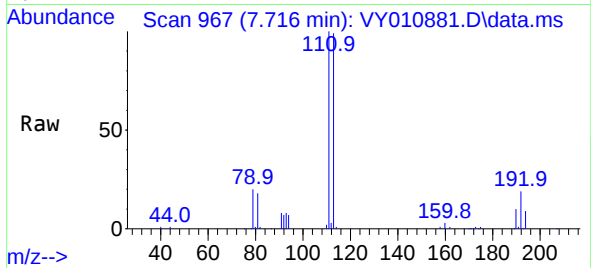




#35
Dibromofluoromethane
Concen: 47.144 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY010881.D
Acq: 07 Oct 2022 18:43

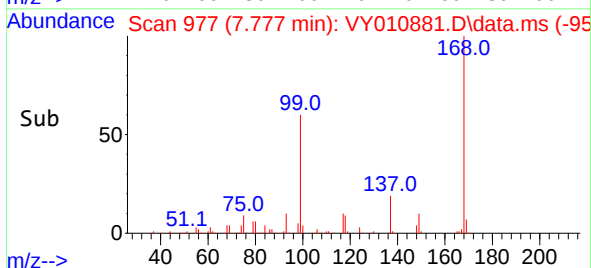
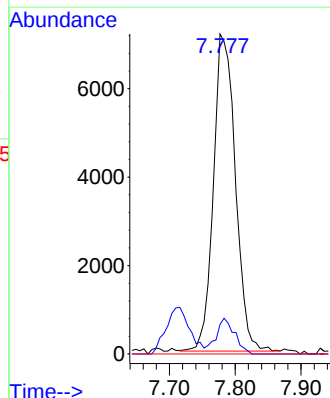
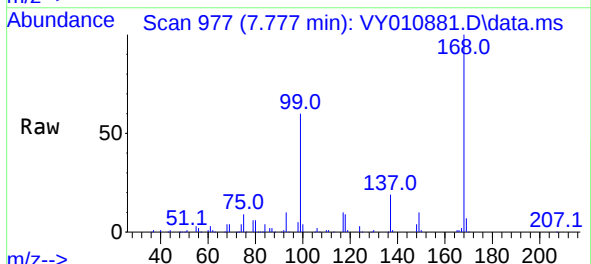
Instrument :
MSVOA_Y
ClientSampleId :
R-12

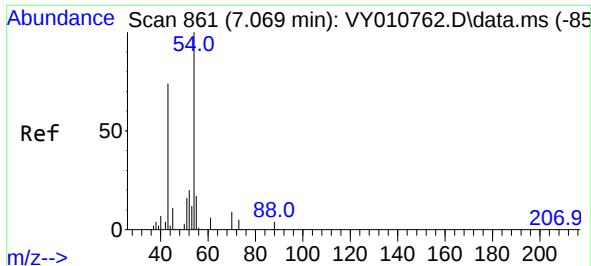
Tgt Ion:113 Resp: 119296
Ion Ratio Lower Upper
113 100
111 102.1 82.6 124.0
192 18.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.555 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.140 min
Lab File: VY010881.D
Acq: 07 Oct 2022 18:43

Tgt Ion: 75 Resp: 16638
Ion Ratio Lower Upper
75 100
110 9.6 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.970 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.097 min

Lab File: VY010881.D

Acq: 07 Oct 2022 18:43

Instrument :

MSVOA_Y

ClientSampleId :

R-12

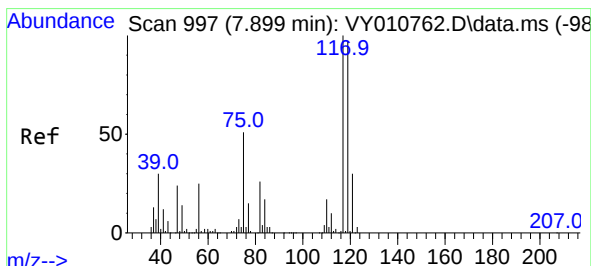
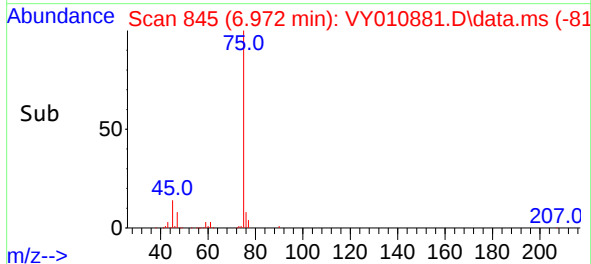
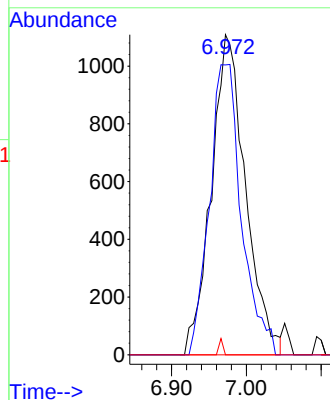
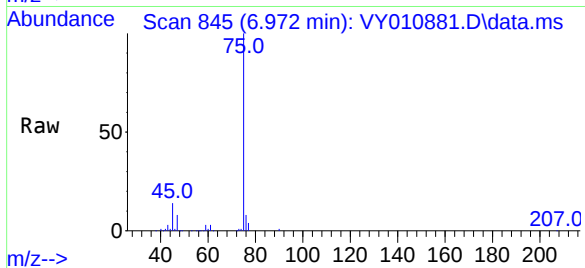
Tgt Ion: 43 Resp: 3532

Ion Ratio Lower Upper

43 100

61 84.9 9.7 14.5#

70 0.6 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.642 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY010881.D

Acq: 07 Oct 2022 18:43

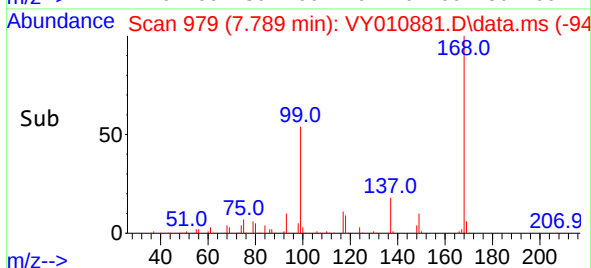
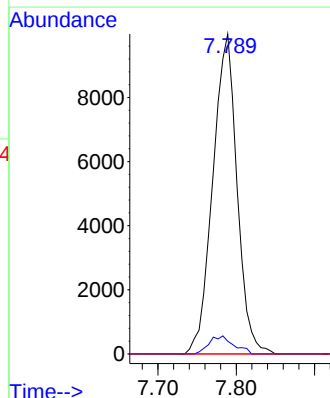
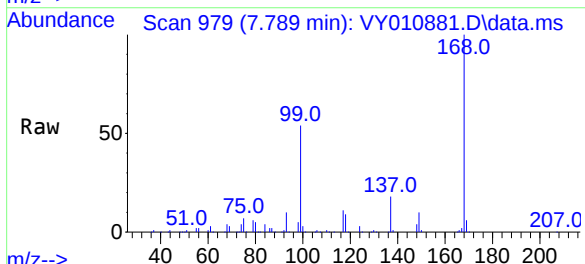
Tgt Ion: 117 Resp: 21466

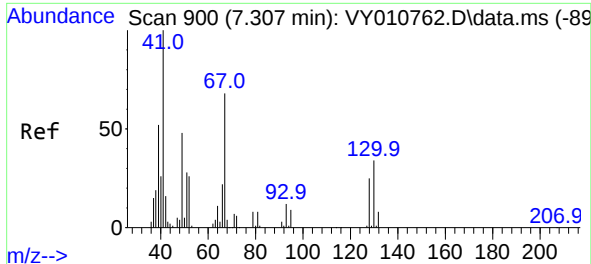
Ion Ratio Lower Upper

117 100

119 4.0 77.9 116.9#

121 0.0 24.8 37.2#

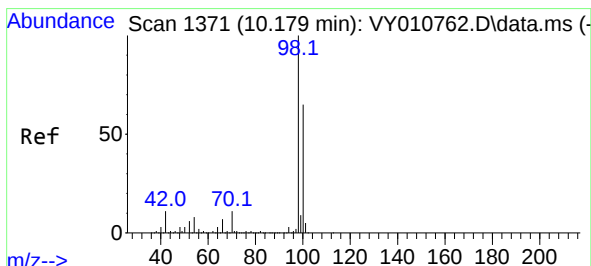
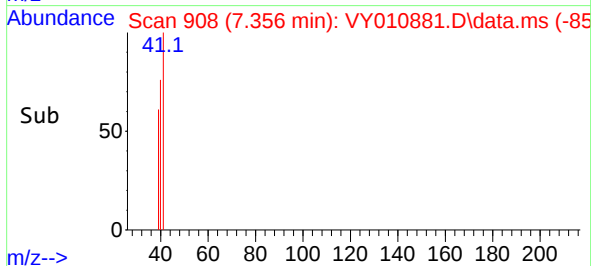
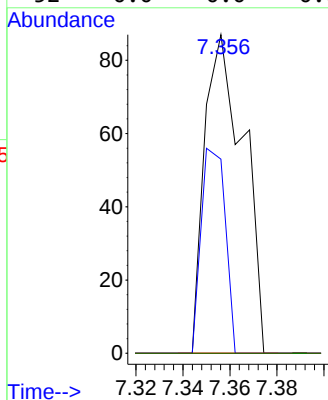
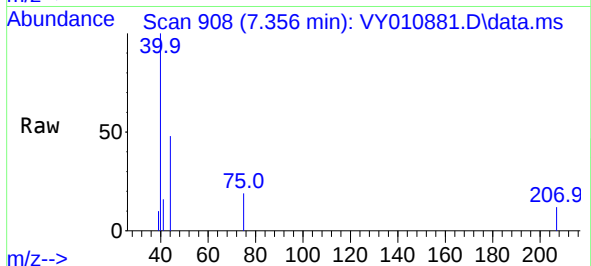




#41
Methacrylonitrile
Concen: 2.672 ug/l
RT: 7.356 min Scan# 900
Delta R.T. 0.049 min
Lab File: VY010881.D
Acq: 07 Oct 2022 18:43

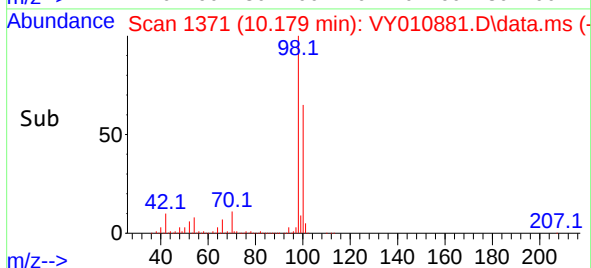
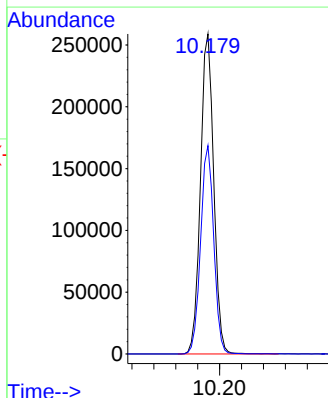
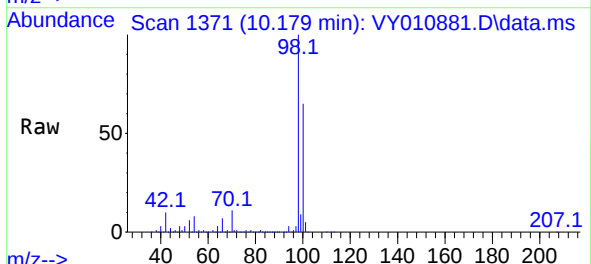
Instrument :
MSVOA_Y
ClientSampleId :
R-12

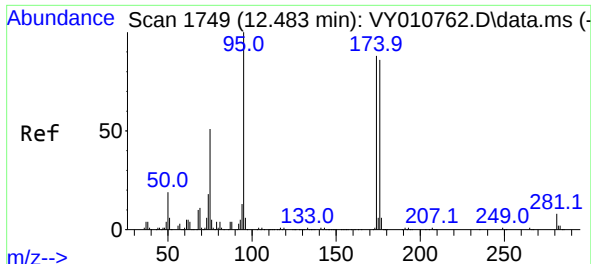
Tgt Ion: 41	Resp: 100
Ion Ratio	Lower Upper
41	100
39	40.0 92.9 139.3#
67	0.0 0.0 0.0
52	0.0 0.0 0.0



#50
Toluene-d8
Concen: 50.147 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010881.D
Acq: 07 Oct 2022 18:43

Tgt Ion: 98	Resp: 433962
Ion Ratio	Lower Upper
98	100
100	64.6 50.2 75.2

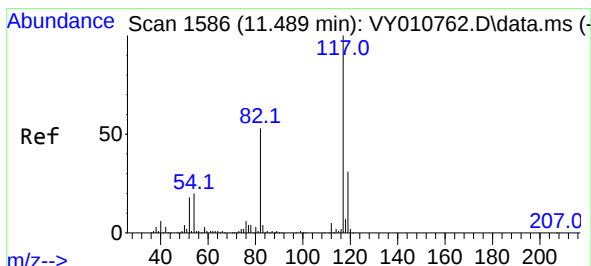
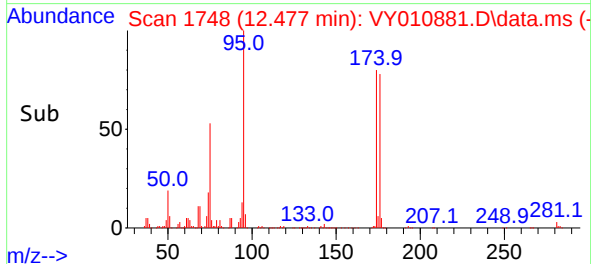
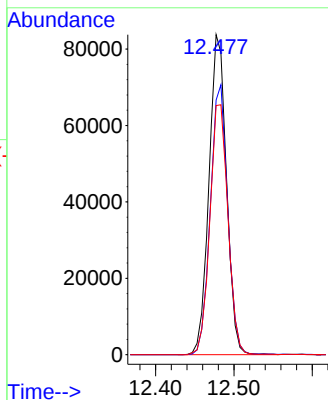
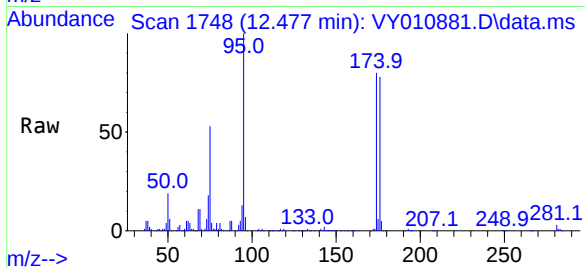




#62
4-Bromofluorobenzene
Concen: 37.463 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010881.D
Acq: 07 Oct 2022 18:43

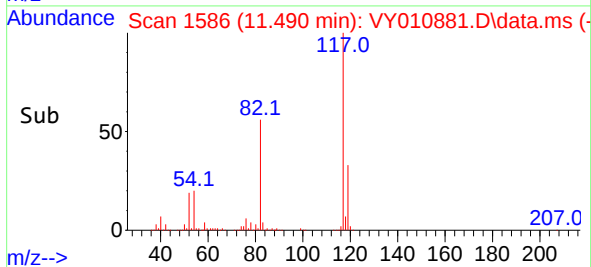
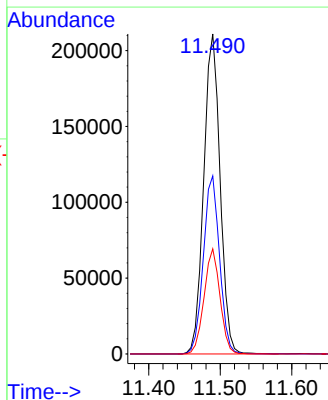
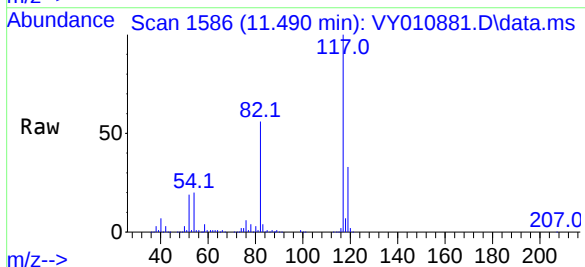
Instrument :
MSVOA_Y
ClientSampleId :
R-12

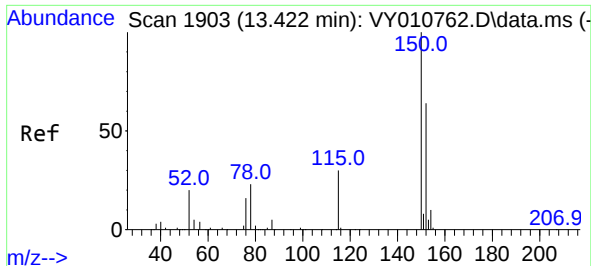
Tgt Ion: 95 Resp: 129779
Ion Ratio Lower Upper
95 100
174 83.8 0.0 177.0
176 80.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY010881.D
Acq: 07 Oct 2022 18:43

Tgt Ion: 117 Resp: 335679
Ion Ratio Lower Upper
117 100
82 55.7 43.0 64.4
119 32.8 25.4 38.0

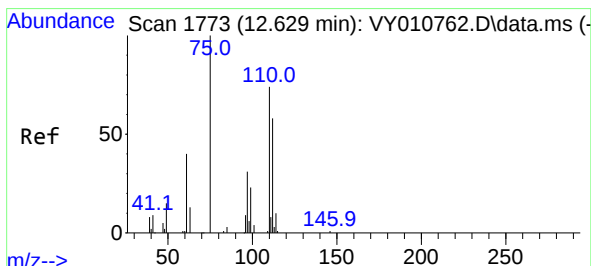
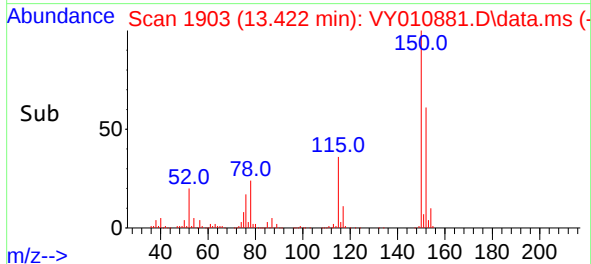
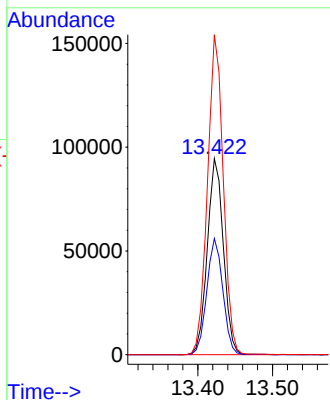
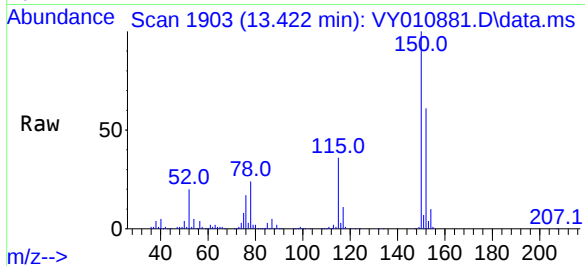




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010881.D
Acq: 07 Oct 2022 18:43

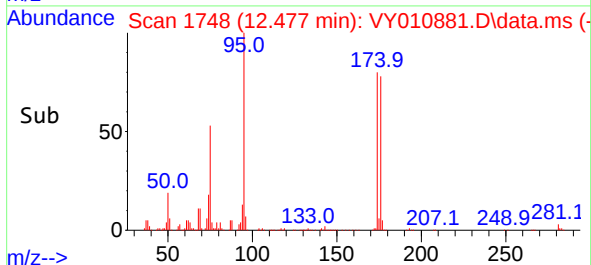
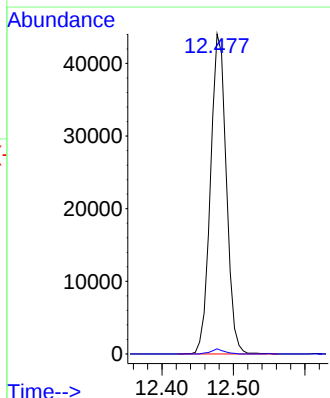
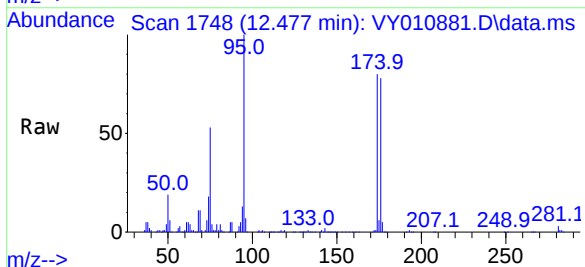
Instrument :
MSVOA_Y
ClientSampleId :
R-12

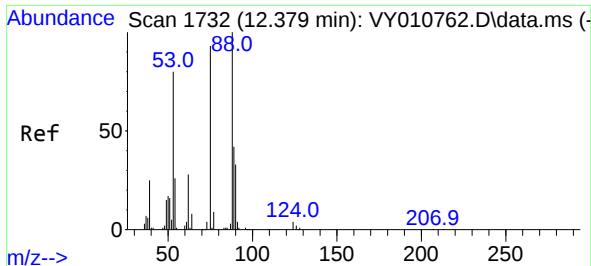
Tgt Ion:152 Resp: 141275
Ion Ratio Lower Upper
152 100
115 59.1 28.2 84.7
150 160.4 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 47.352 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010881.D
Acq: 07 Oct 2022 18:43

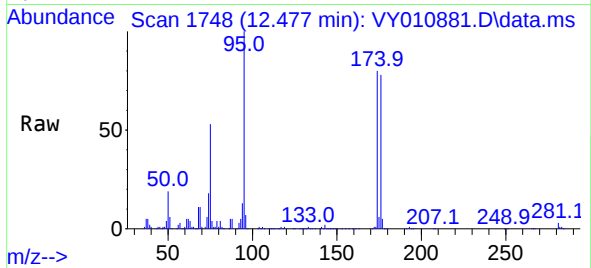
Tgt Ion: 75 Resp: 67746
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 98.915 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY010881.D
Acq: 07 Oct 2022 18:43

Instrument :
MSVOA_Y
ClientSampleId :
R-12



Tgt Ion: 75 Resp: 67746
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#

