

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072423\
 Data File : VY014785.D
 Acq On : 24 Jul 2023 20:15
 Operator : SY/MD
 Sample : 03694-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1

Quant Time: Jul 25 01:33:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

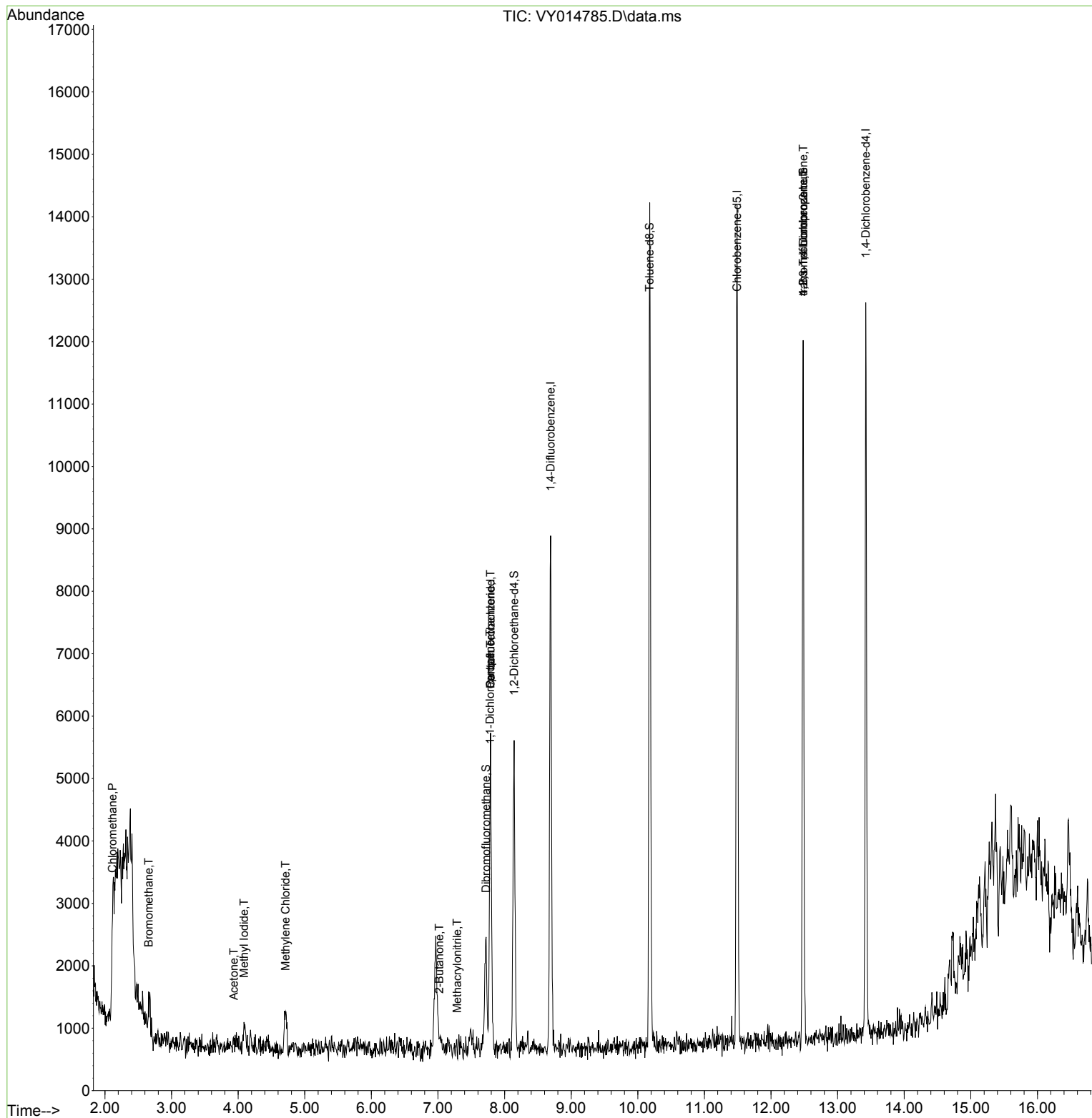
Internal Standards						
1) Pentafluorobenzene	7.789	168	4000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	7645	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	7665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	3115	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	3780	82.928	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 165.860%#	
35) Dibromofluoromethane	7.722	113	1523	31.295	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 62.580%	
50) Toluene-d8	10.178	98	9400	52.390	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.780%	
62) 4-Bromofluorobenzene	12.483	95	3733	54.261	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.520%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	458	12.502	ug/l #	84
5) Bromomethane	2.655	94	283	10.460	ug/l #	35
10) Methyl Iodide	4.088	142	598	15.120	ug/l #	82
16) Acetone	3.936	43	169	11.700	ug/l #	46
20) Methylene Chloride	4.710	84	384	4.326	ug/l #	66
25) 2-Butanone	7.021	43	22	1.041	ug/l #	49
36) 1,1-Dichloropropene	7.783	75	385	5.290	ug/l #	41
38) Carbon Tetrachloride	7.789	117	370	4.809	ug/l #	12
41) Methacrylonitrile	7.289	41	26	1.009	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	1848	46.973	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1848	90.949	ug/l #	10

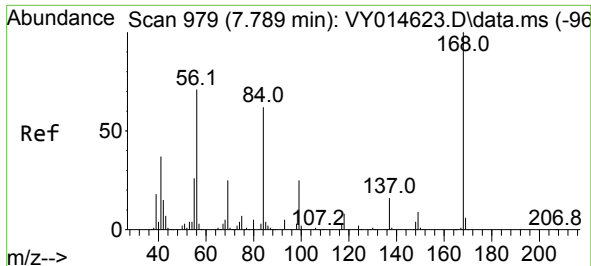
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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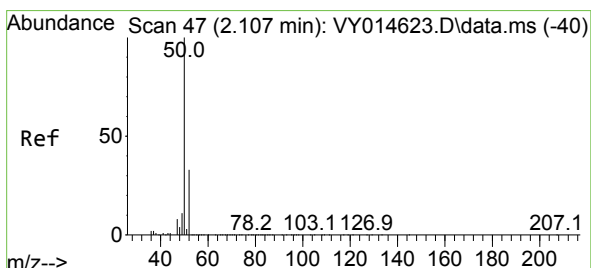
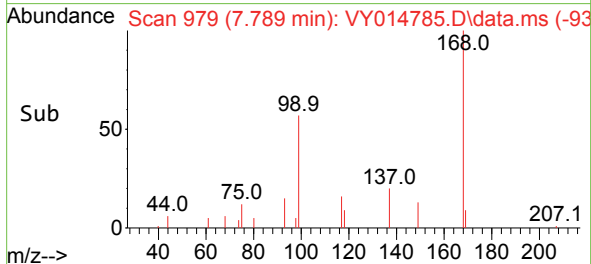
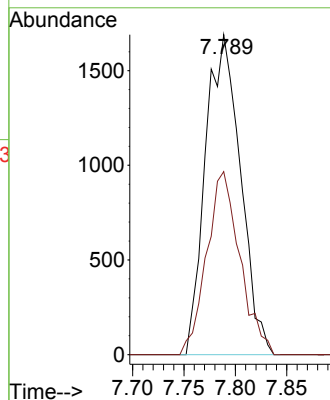
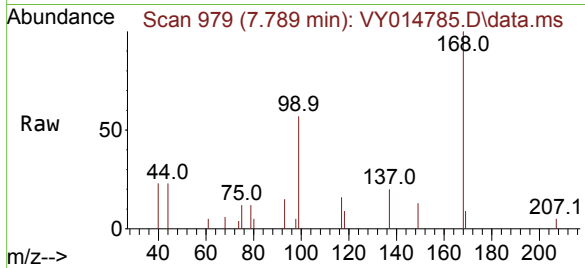




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014785.D
Acq: 24 Jul 2023 20:15

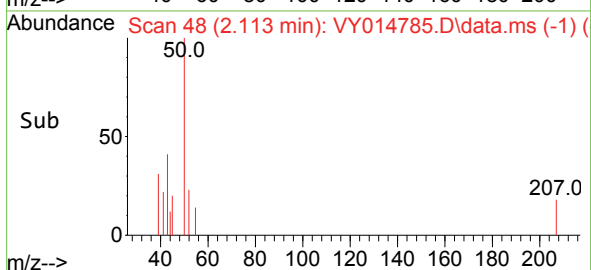
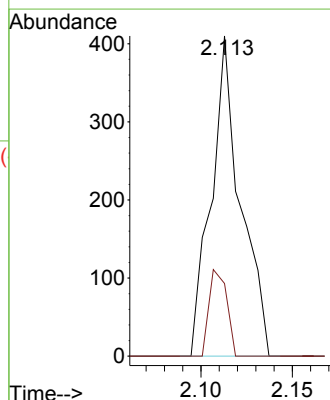
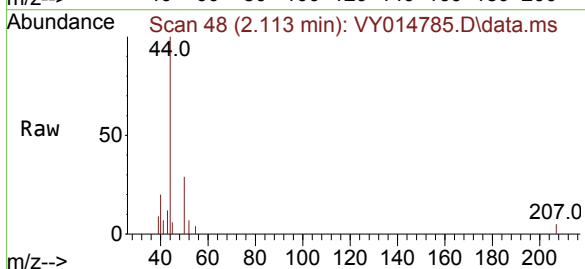
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

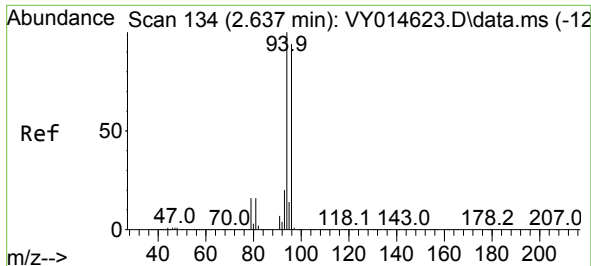
Tgt Ion:168 Resp: 4000
Ion Ratio Lower Upper
168 100
99 57.2 43.4 65.0



#3
Chloromethane
Concen: 12.502 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY014785.D
Acq: 24 Jul 2023 20:15

Tgt Ion: 50 Resp: 458
Ion Ratio Lower Upper
50 100
52 22.7 25.4 38.2#

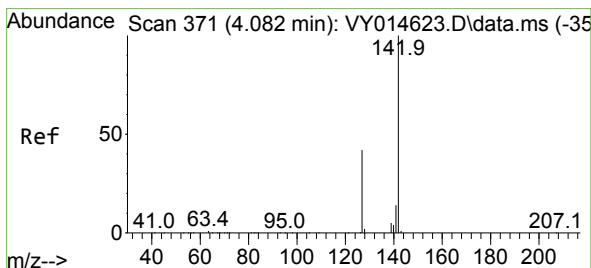
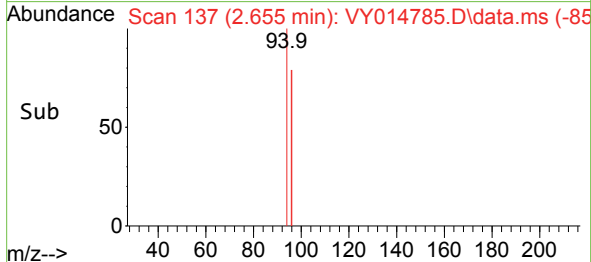
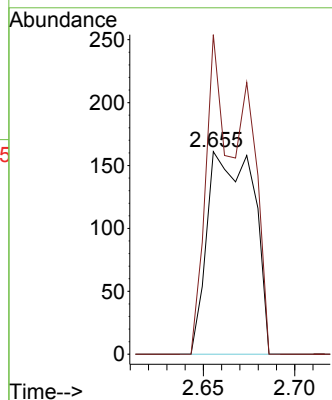
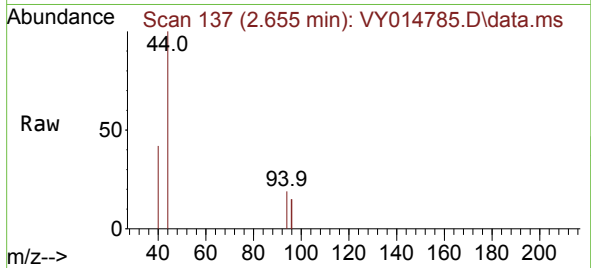




#5
Bromomethane
Concen: 10.460 ug/l
RT: 2.655 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY014785.D
Acq: 24 Jul 2023 20:15

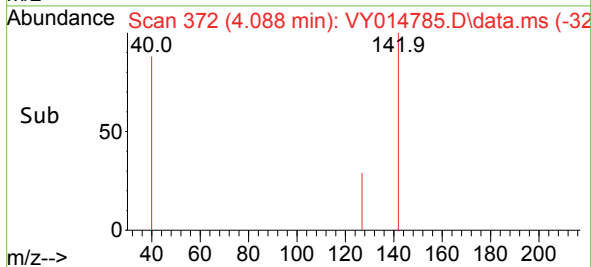
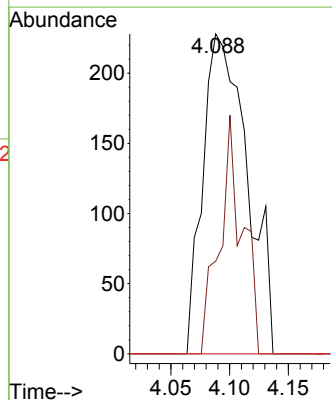
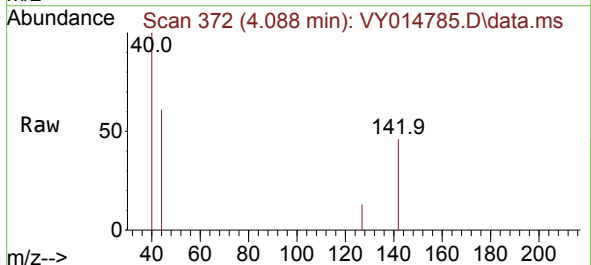
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

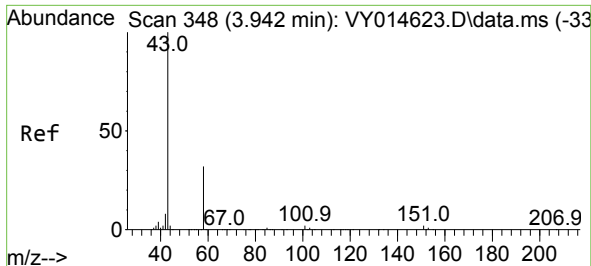
Tgt Ion: 94 Resp: 283
Ion Ratio Lower Upper
94 100
96 157.8 75.8 113.6#



#10
Methyl Iodide
Concen: 15.120 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY014785.D
Acq: 24 Jul 2023 20:15

Tgt Ion:142 Resp: 598
Ion Ratio Lower Upper
142 100
127 38.5 37.6 56.4
141 0.0 11.8 17.8#





#16

Acetone

Concen: 11.700 ug/l

RT: 3.936 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY014785.D

Acq: 24 Jul 2023 20:15

Instrument :

MSVOA_Y

ClientSampleId :

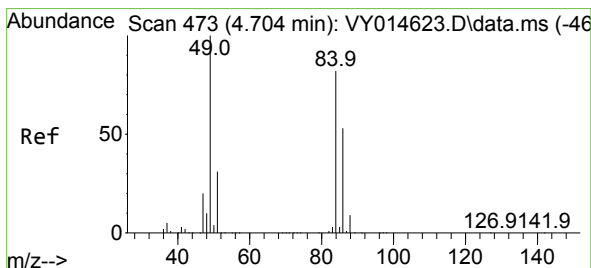
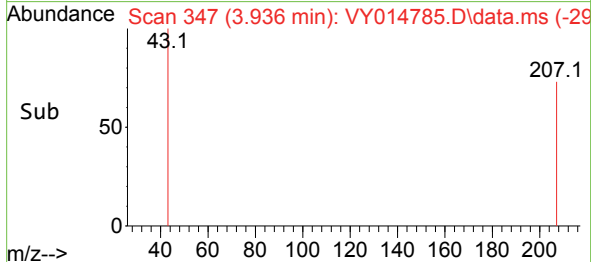
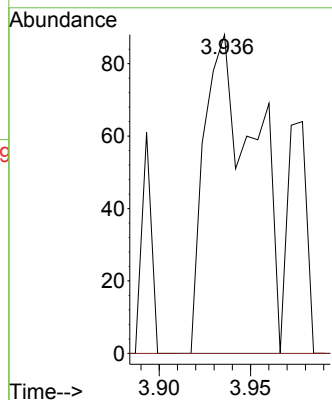
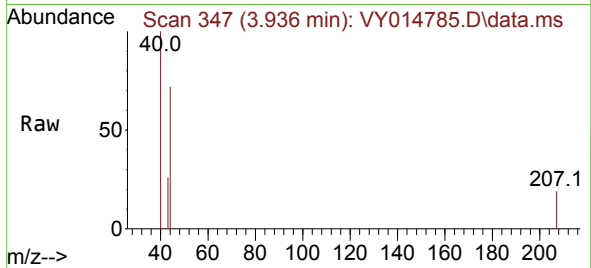
WC-1

Tgt Ion: 43 Resp: 169

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



#20

Methylene Chloride

Concen: 4.326 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY014785.D

Acq: 24 Jul 2023 20:15

Tgt Ion: 84 Resp: 384

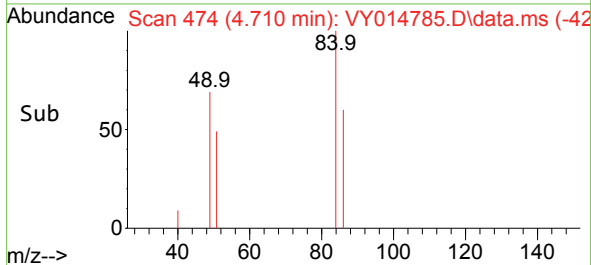
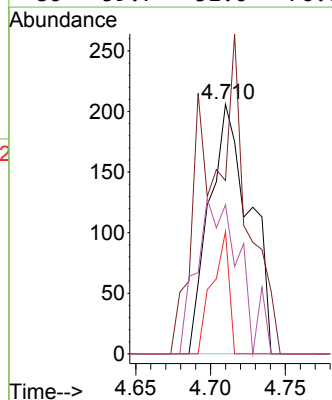
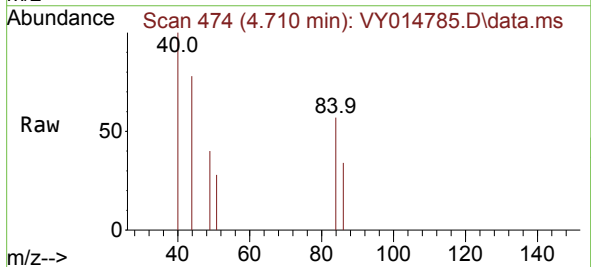
Ion Ratio Lower Upper

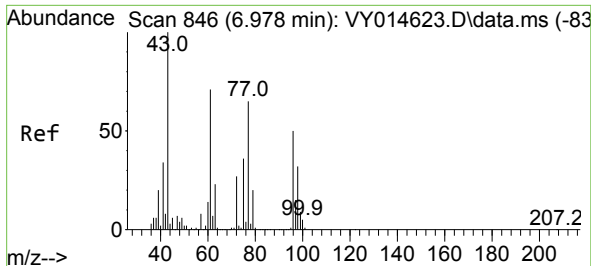
84 100

49 69.4 106.9 160.3#

51 49.0 33.2 49.8

86 59.7 51.0 76.6

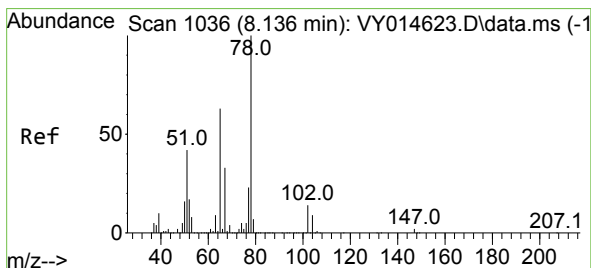
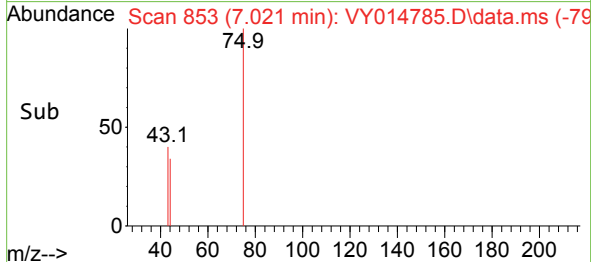
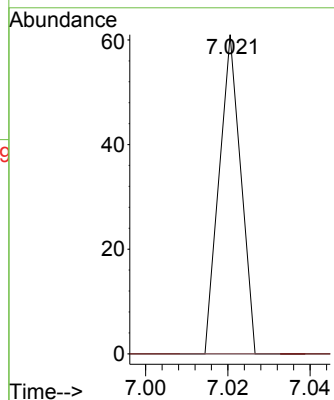
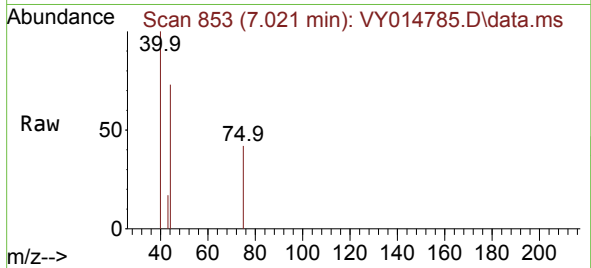




#25
2-Butanone
Concen: 1.041 ug/l
RT: 7.021 min Scan# 81
Delta R.T. 0.043 min
Lab File: VY014785.D
Acq: 24 Jul 2023 20:15

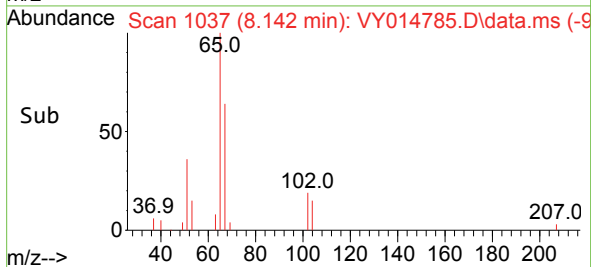
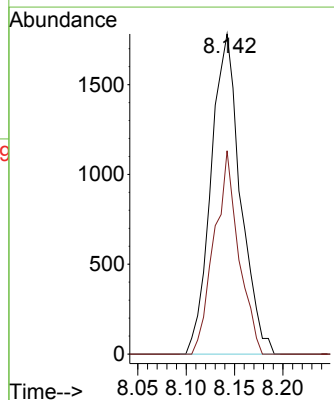
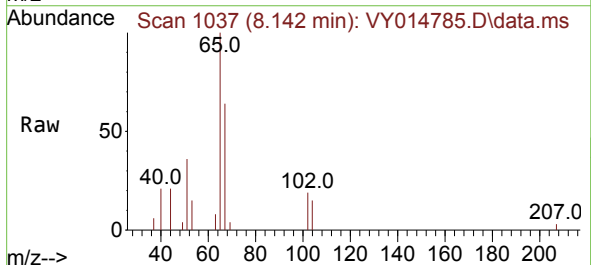
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

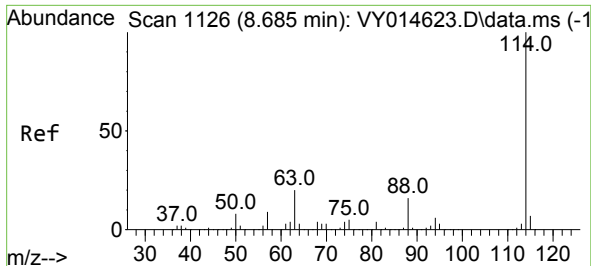
Tgt Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#33
1,2-Dichloroethane-d4
Concen: 82.928 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY014785.D
Acq: 24 Jul 2023 20:15

Tgt Ion: 65 Resp: 3780
Ion Ratio Lower Upper
65 100
67 52.8 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY014785.D

Acq: 24 Jul 2023 20:15

Instrument :

MSVOA_Y

ClientSampleId :

WC-1

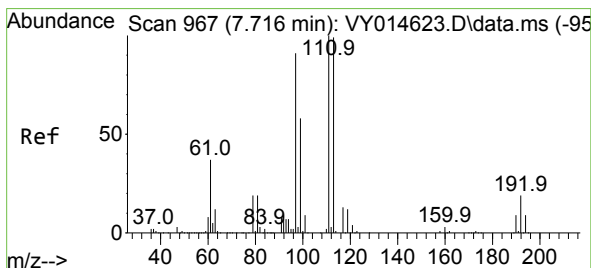
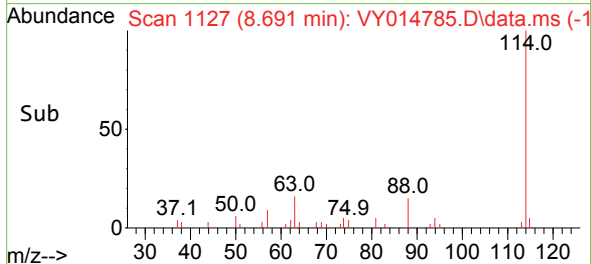
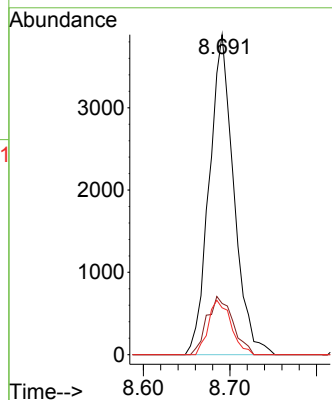
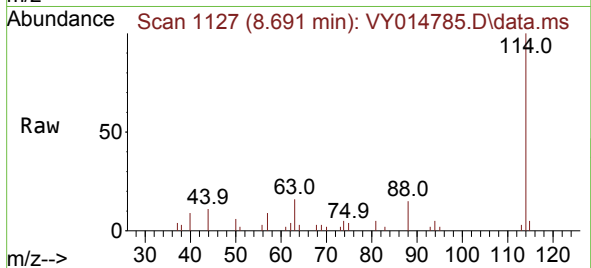
Tgt Ion:114 Resp: 7645

Ion Ratio Lower Upper

114 100

63 16.0 0.0 42.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 31.295 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY014785.D

Acq: 24 Jul 2023 20:15

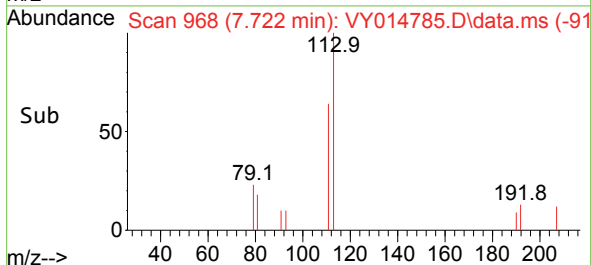
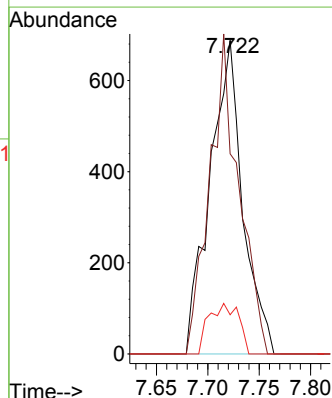
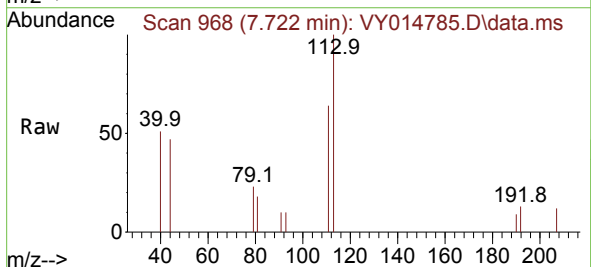
Tgt Ion:113 Resp: 1523

Ion Ratio Lower Upper

113 100

111 90.9 81.3 121.9

192 14.6 16.9 25.3#

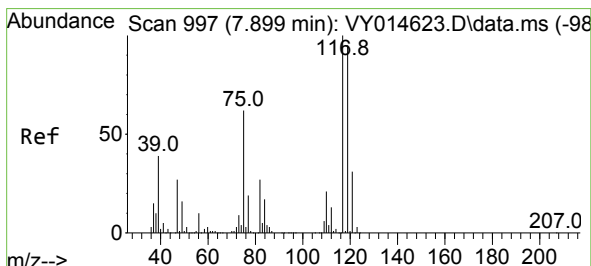
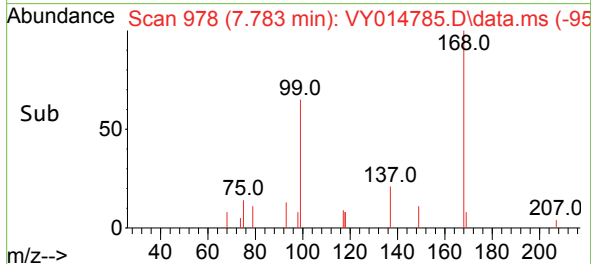
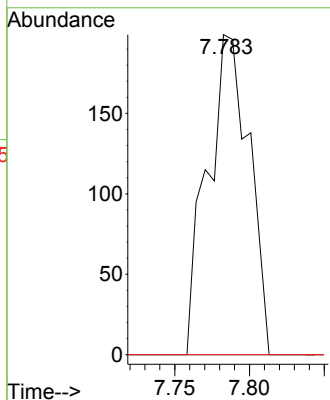
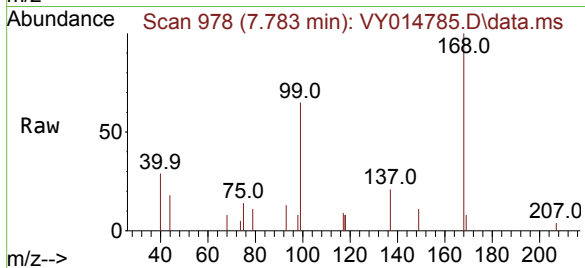




#36
1,1-Dichloropropene
Concen: 5.290 ug/l
RT: 7.783 min Scan# 911
Delta R.T. -0.128 min
Lab File: VY014785.D
Acq: 24 Jul 2023 20:15

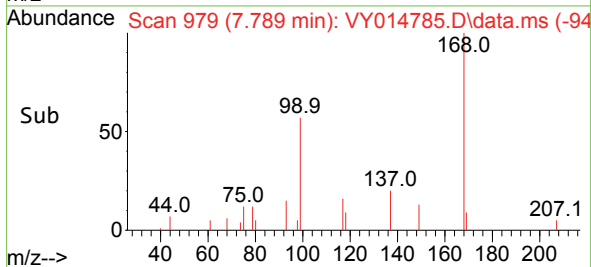
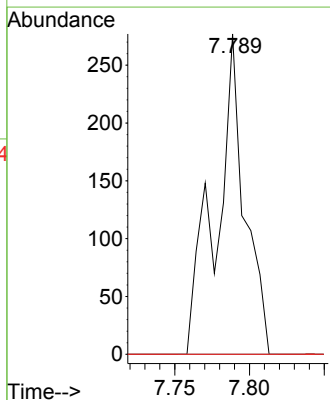
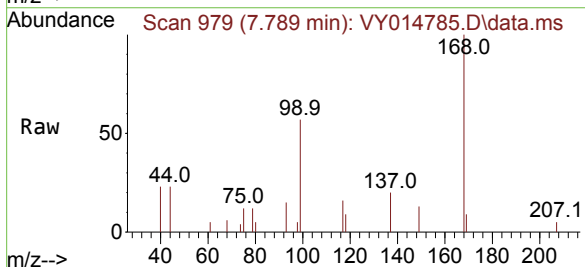
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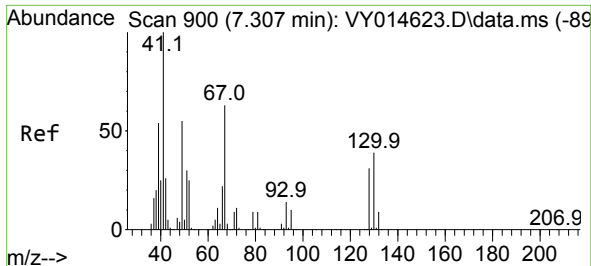
Tgt Ion: 75 Resp: 385
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.809 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY014785.D
Acq: 24 Jul 2023 20:15

Tgt Ion: 117 Resp: 370
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#

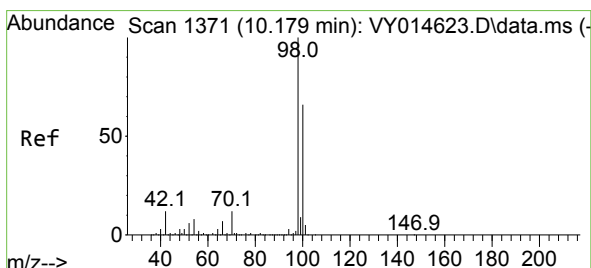
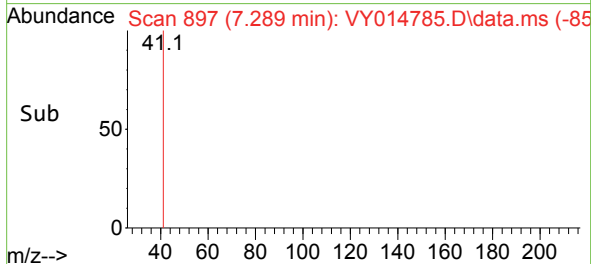
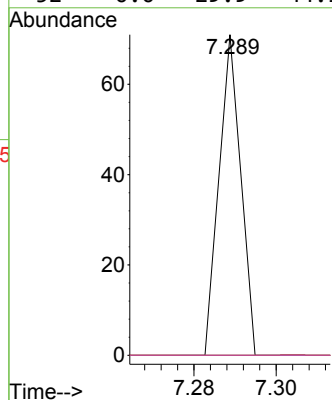
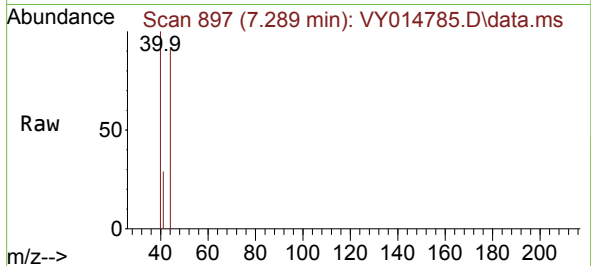




#41
Methacrylonitrile
Concen: 1.009 ug/l
RT: 7.289 min Scan# 89
Delta R.T. -0.018 min
Lab File: VY014785.D
Acq: 24 Jul 2023 20:15

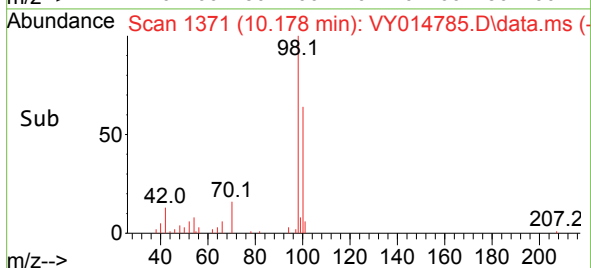
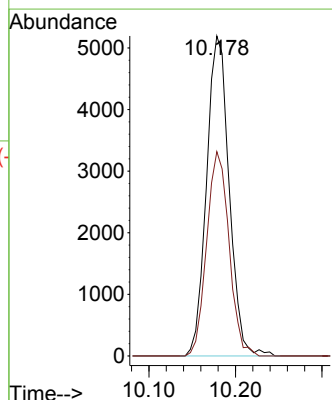
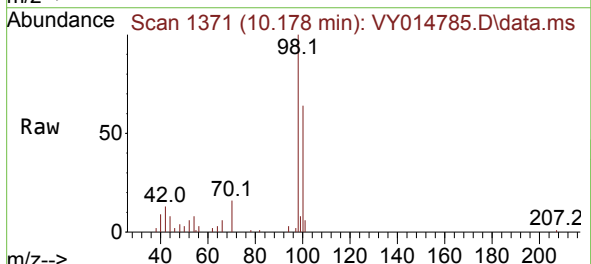
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

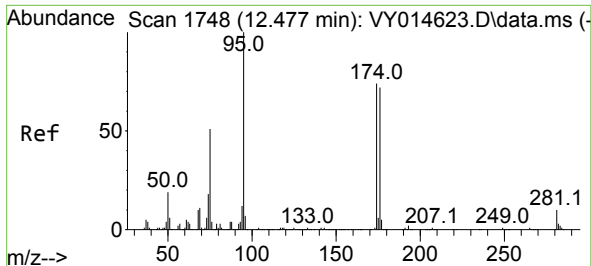
Tgt Ion:	41	Resp:	26
Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.1	78.1#
67	0.0	66.2	99.2#
52	0.0	29.9	44.9#



#50
Toluene-d8
Concen: 52.390 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY014785.D
Acq: 24 Jul 2023 20:15

Tgt Ion:	98	Resp:	9400
Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.1	75.1

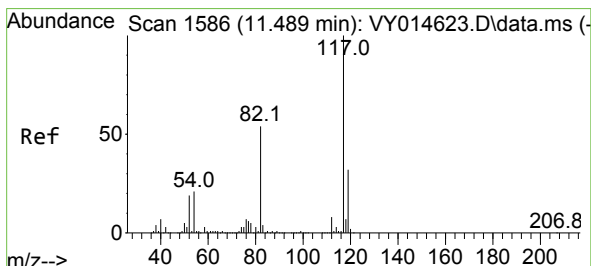
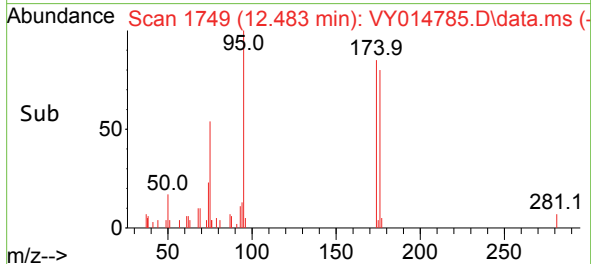
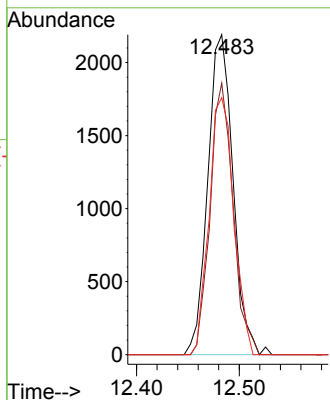
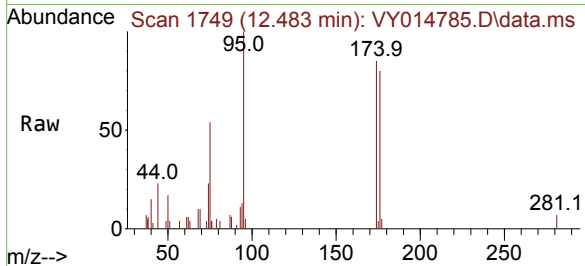




#62
4-Bromofluorobenzene
Concen: 54.261 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014785.D
Acq: 24 Jul 2023 20:15

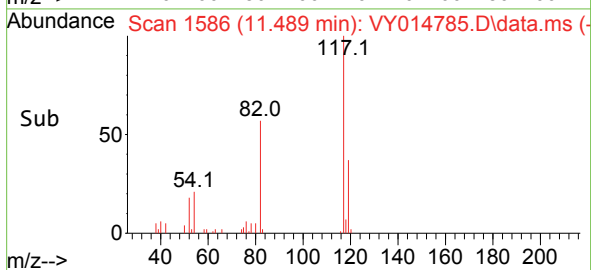
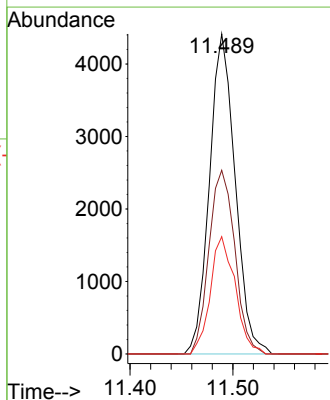
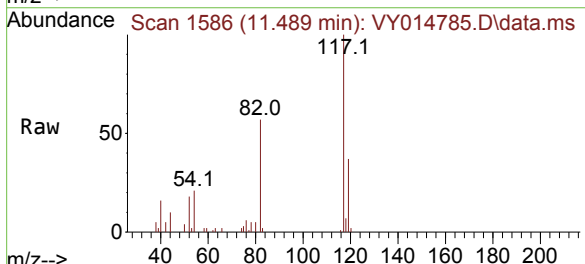
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

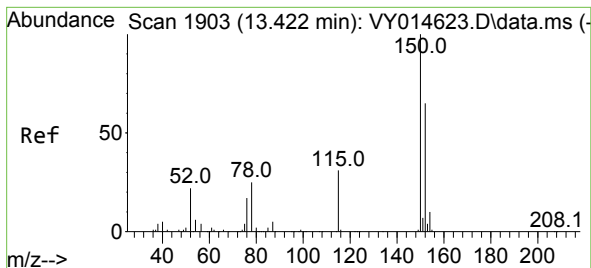
Tgt Ion: 95 Resp: 3733
Ion Ratio Lower Upper
95 100
174 77.2 0.0 178.2
176 78.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014785.D
Acq: 24 Jul 2023 20:15

Tgt Ion: 117 Resp: 7665
Ion Ratio Lower Upper
117 100
82 57.4 43.4 65.0
119 36.7 26.3 39.5

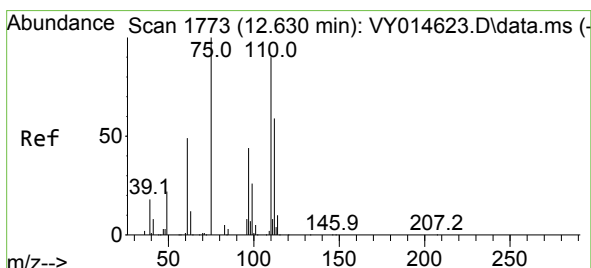
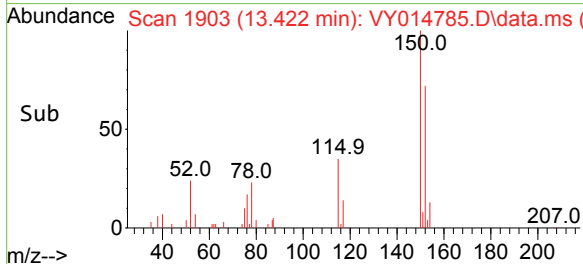
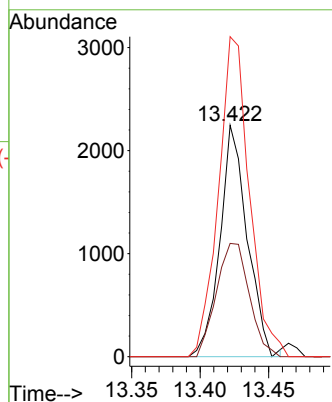
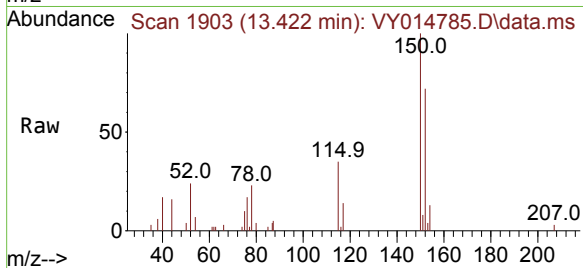




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY014785.D
Acq: 24 Jul 2023 20:15

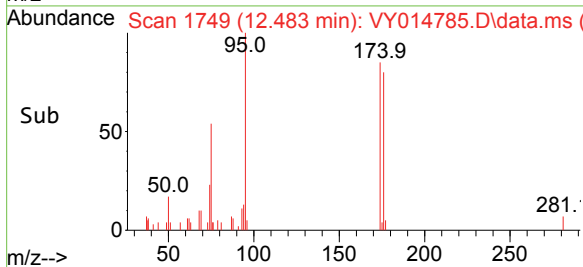
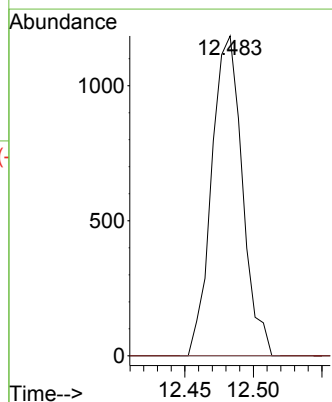
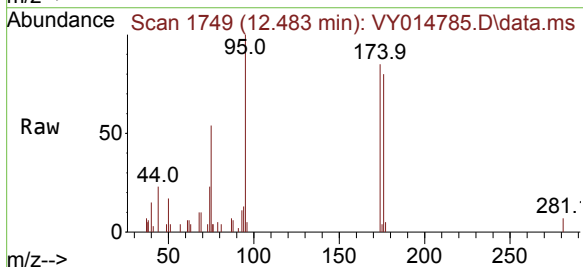
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

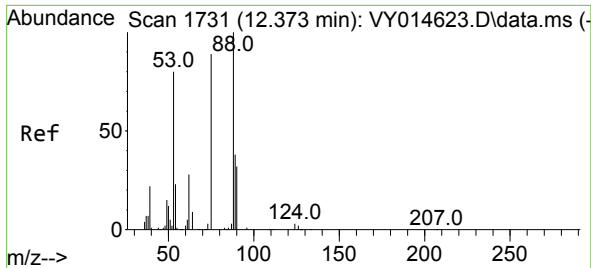
Tgt Ion:152 Resp: 3115
Ion Ratio Lower Upper
152 100
115 59.0 28.8 86.5
150 156.7 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 46.973 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY014785.D
Acq: 24 Jul 2023 20:15

Tgt Ion: 75 Resp: 1848
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.949 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY014785.D
 Acq: 24 Jul 2023 20:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1

Tgt Ion: 75 Resp: 1848
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

