

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011023\
 Data File : VY012138.D
 Acq On : 10 Jan 2023 13:46
 Operator : KP/MD
 Sample : 01093-03
 Misc : 5.24g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TT-214-IDWSO-20230109-3

Quant Time: Jan 11 03:08:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

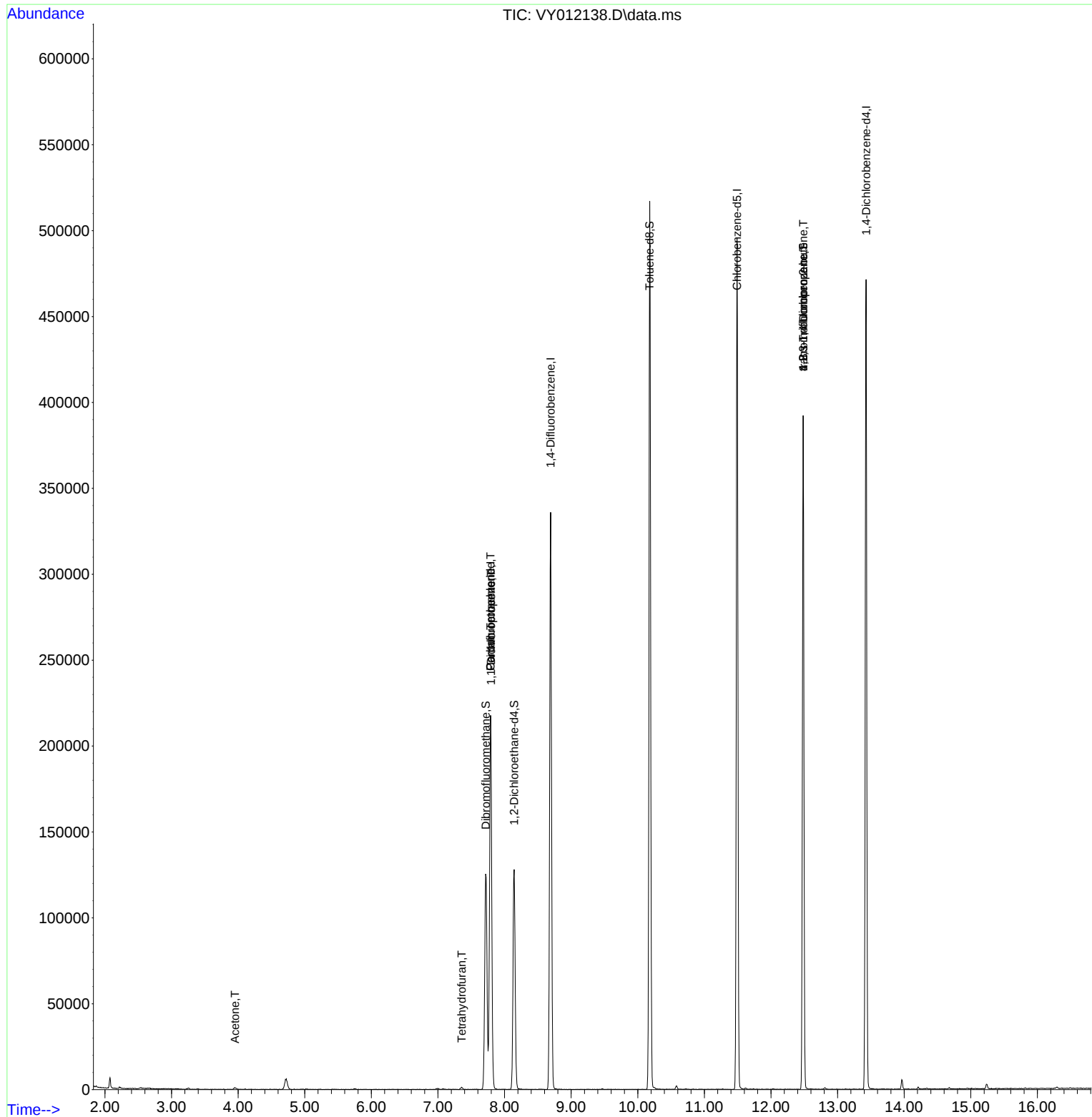
Internal Standards						
1) Pentafluorobenzene	7.789	168	172535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	289417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	277734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	128979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	108995	56.220	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.440%			
35) Dibromofluoromethane	7.716	113	88188	46.359	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.720%			
50) Toluene-d8	10.179	98	347982	46.346	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 92.700%			
62) 4-Bromofluorobenzene	12.483	95	114484	43.621	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 87.240%			
Target Compounds						Qvalue
3) Chloromethane	2.107	50	105	Below Cal	#	23
5) Bromomethane	2.674	94	157	Below Cal	#	75
11) Tert butyl alcohol	4.942	59	345	Below Cal	#	74
16) Acetone	3.954	43	1641	3.598	ug/l	93
20) Methylene Chloride	4.723	84	4908	Below Cal	#	93
29) Tetrahydrofuran	7.356	42	774	2.204	ug/l	93
31) Cyclohexane	7.783	56	3110	Below Cal	#	33
36) 1,1-Dichloropropene	7.795	75	11765	4.076	ug/l #	50
38) Carbon Tetrachloride	7.789	117	17095	4.667	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	60925	41.370	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	60925	91.877	ug/l #	13

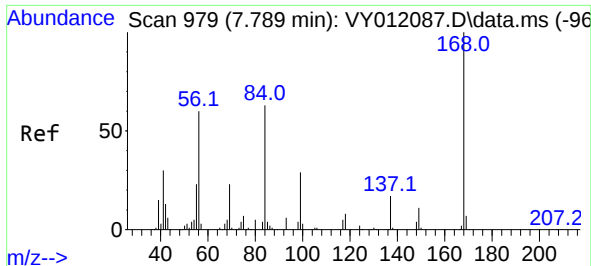
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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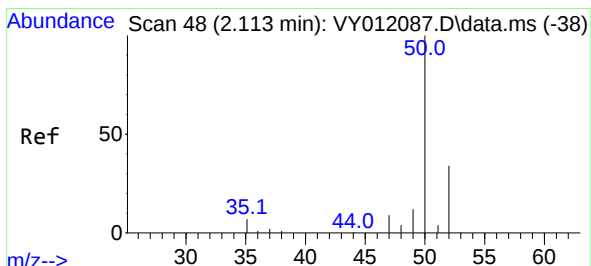
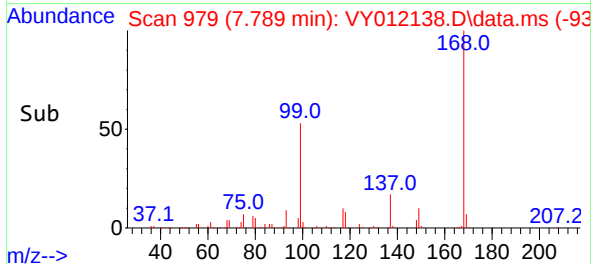
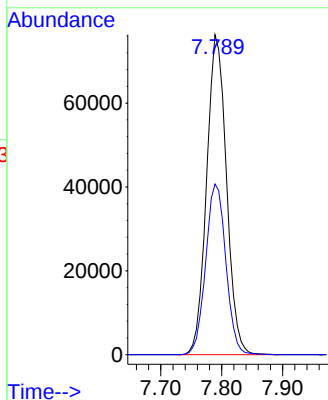
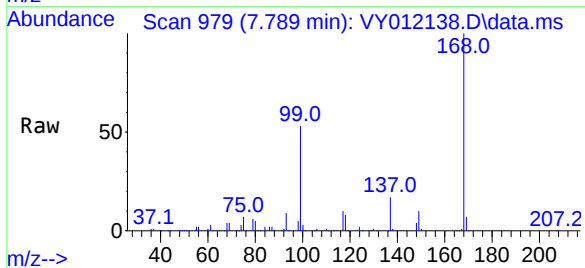




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012138.D
Acq: 10 Jan 2023 13:46

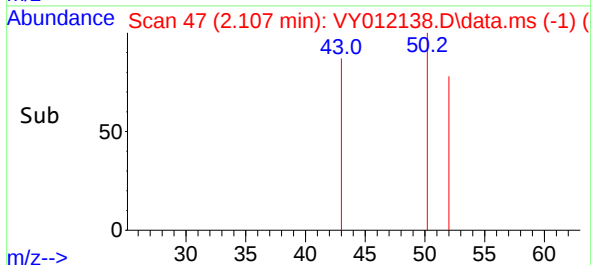
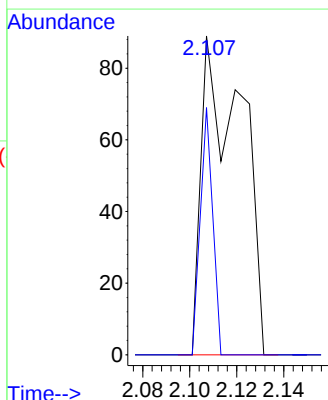
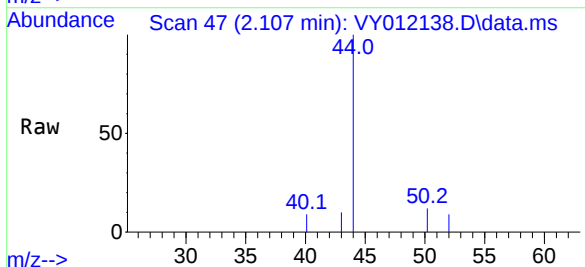
Instrument :
MSVOA_Y
ClientSampleId :
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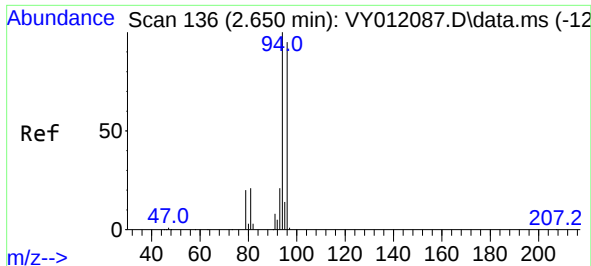
Tgt Ion:168 Resp: 172535
Ion Ratio Lower Upper
168 100
99 53.3 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY012138.D
Acq: 10 Jan 2023 13:46

Tgt Ion: 50 Resp: 105
Ion Ratio Lower Upper
50 100
52 77.5 26.8 40.2#

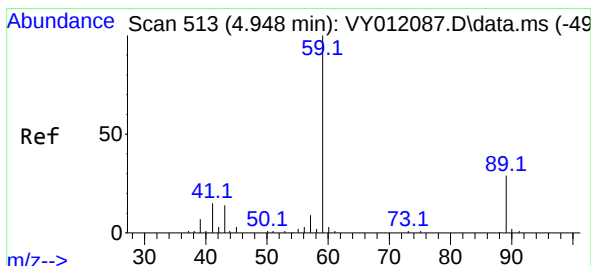
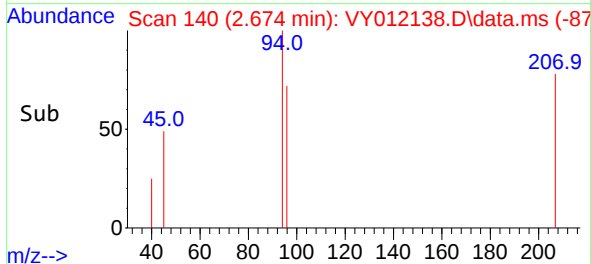
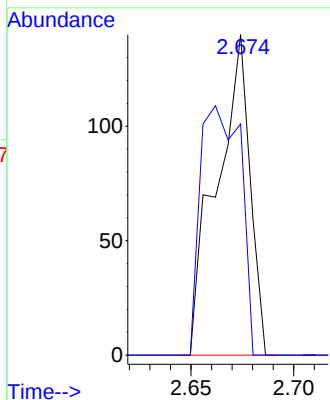
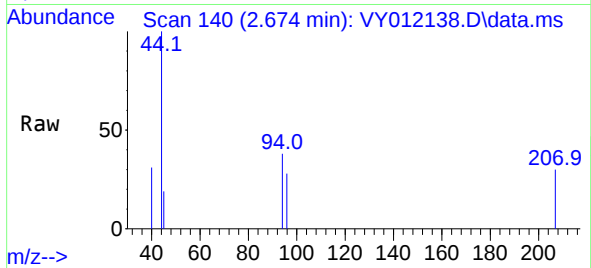




#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 14
Delta R.T. 0.024 min
Lab File: VY012138.D
Acq: 10 Jan 2023 13:46

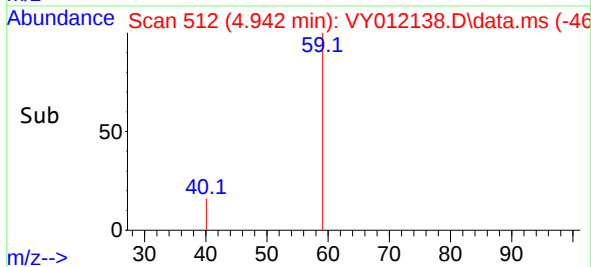
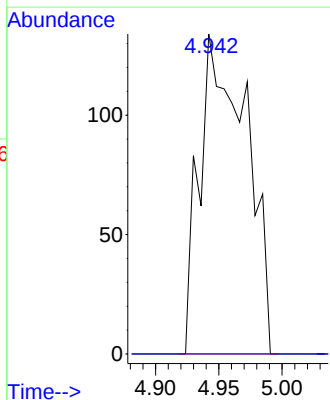
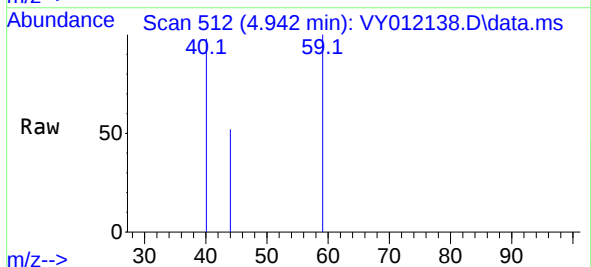
Instrument :
MSVOA_Y
ClientSampleId :
TT-214-IDWSO-20230109-3

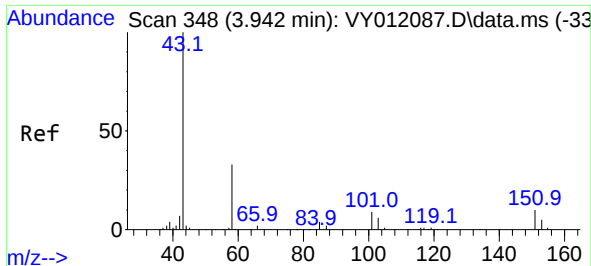
Tgt Ion: 94 Resp: 157
Ion Ratio Lower Upper
94 100
96 72.1 77.4 116.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY012138.D
Acq: 10 Jan 2023 13:46

Tgt Ion: 59 Resp: 345
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

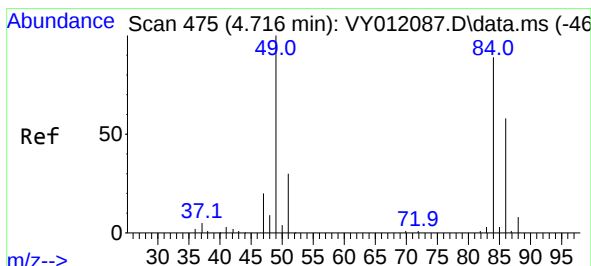
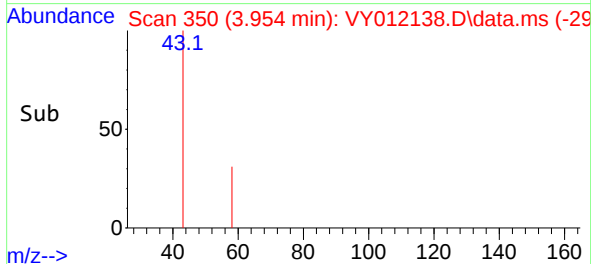
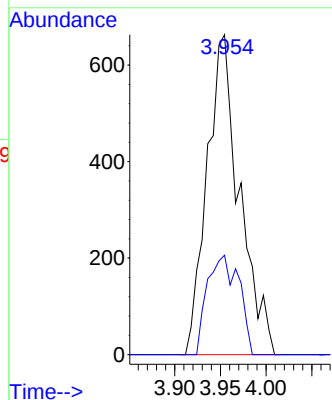
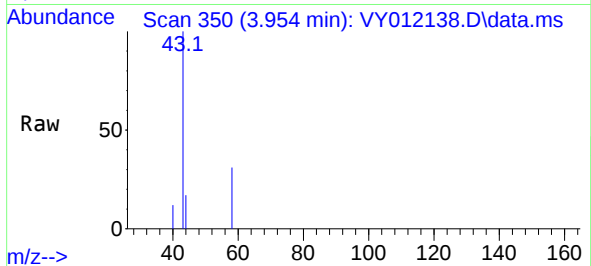




#16
Acetone
Concen: 3.598 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY012138.D
Acq: 10 Jan 2023 13:46

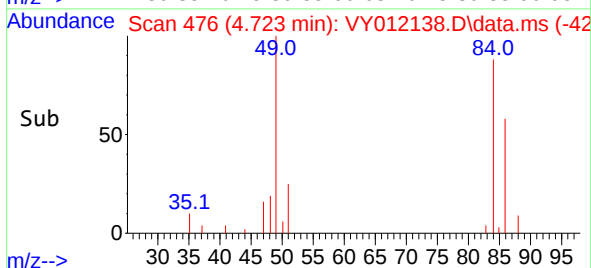
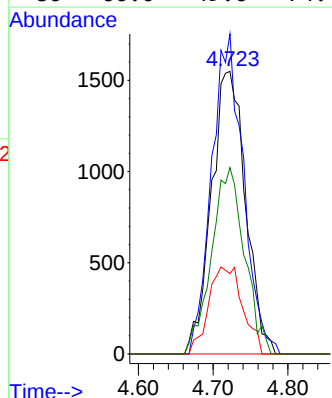
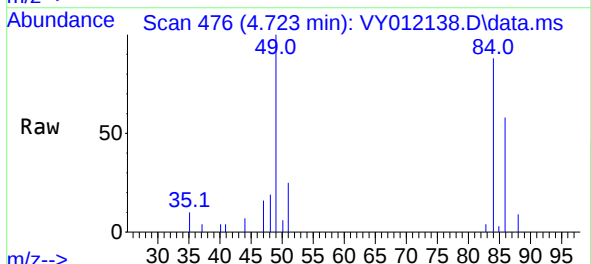
Instrument :
MSVOA_Y
ClientSampleId :
TT-214-IDWSO-20230109-3

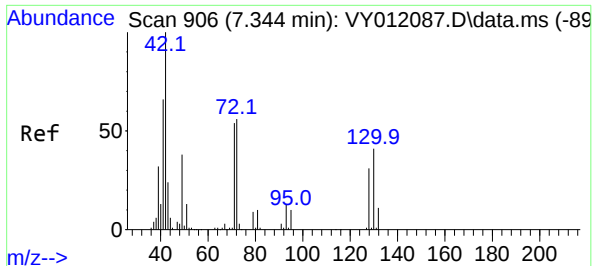
Tgt Ion: 43 Resp: 1641
Ion Ratio Lower Upper
43 100
58 31.1 27.9 41.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.723 min Scan# 476
Delta R.T. 0.007 min
Lab File: VY012138.D
Acq: 10 Jan 2023 13:46

Tgt Ion: 84 Resp: 4908
Ion Ratio Lower Upper
84 100
49 113.2 95.4 143.2
51 28.4 29.9 44.9#
86 66.0 49.6 74.4

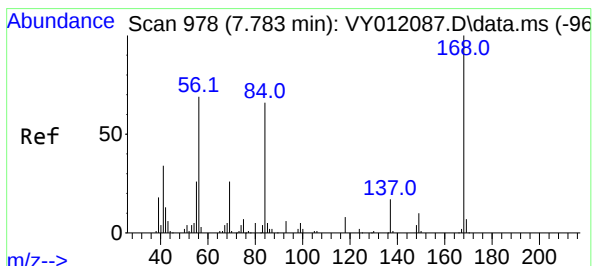
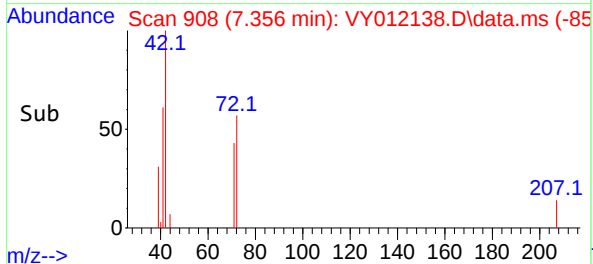
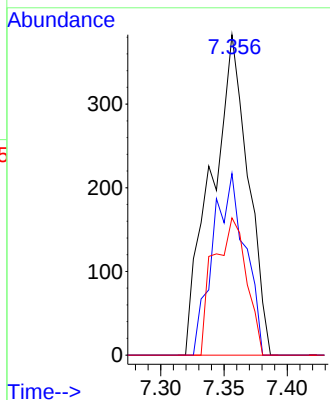
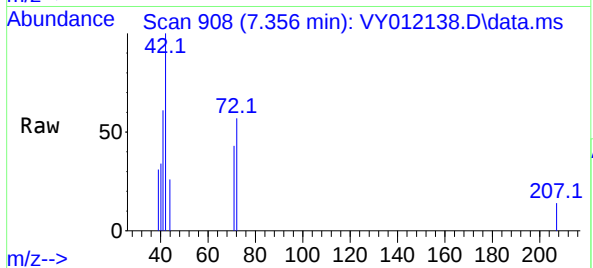




#29
Tetrahydrofuran
Concen: 2.204 ug/l
RT: 7.356 min Scan# 906
Delta R.T. 0.012 min
Lab File: VY012138.D
Acq: 10 Jan 2023 13:46

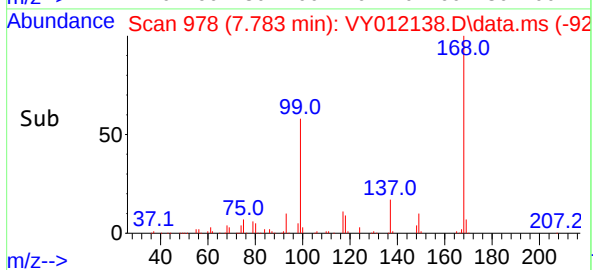
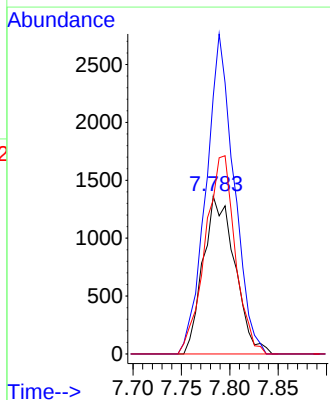
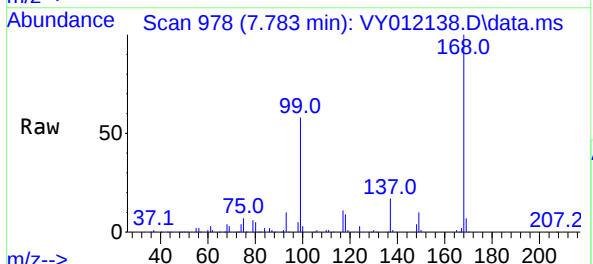
Instrument :
MSVOA_Y
ClientSampleId :
TT-214-IDWSO-20230109-3

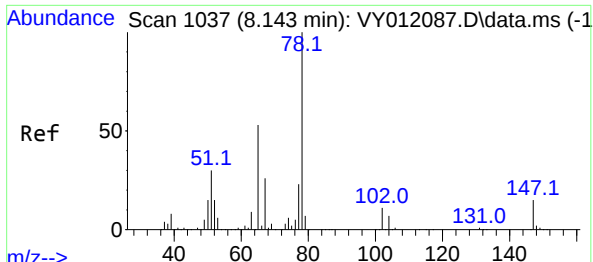
Tgt Ion:	42	Resp:	774
Ion	Ratio	Lower	Upper
42	100		
72	49.9	37.0	55.6
71	38.0	34.9	52.3



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY012138.D
Acq: 10 Jan 2023 13:46

Tgt Ion:	56	Resp:	3110
Ion	Ratio	Lower	Upper
56	100		
69	163.1	29.2	43.8#
84	97.9	72.6	108.8

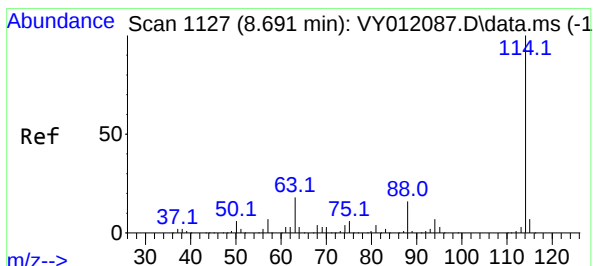
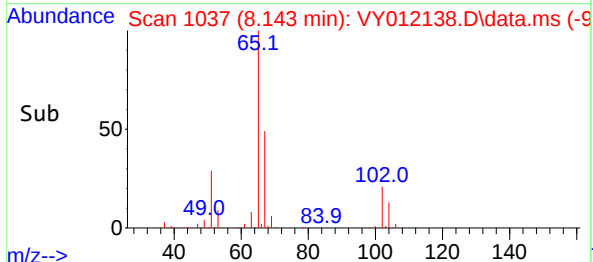
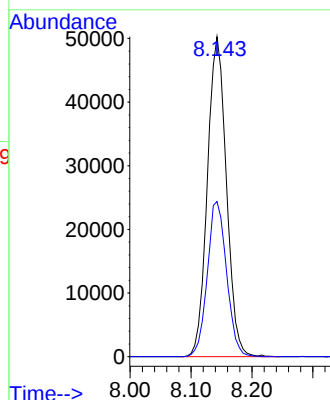
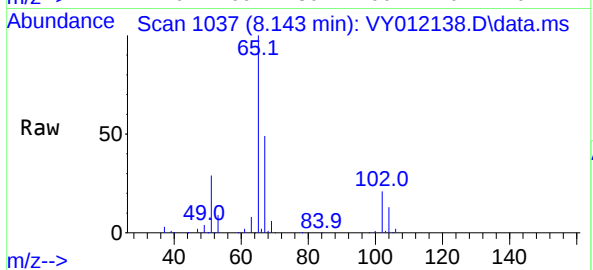




#33
1,2-Dichloroethane-d4
Concen: 56.220 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012138.D
Acq: 10 Jan 2023 13:46

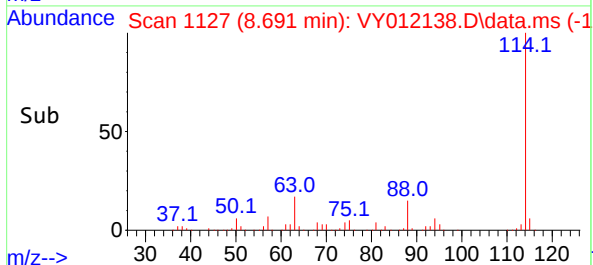
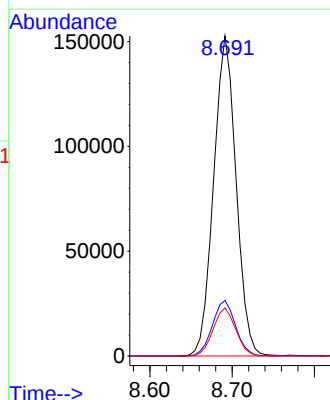
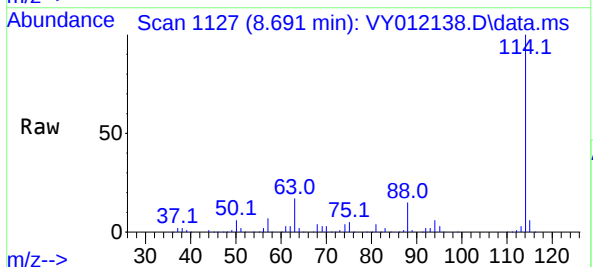
Instrument : MSVOA_Y
ClientSampleId : TT-214-IDWSO-20230109-3

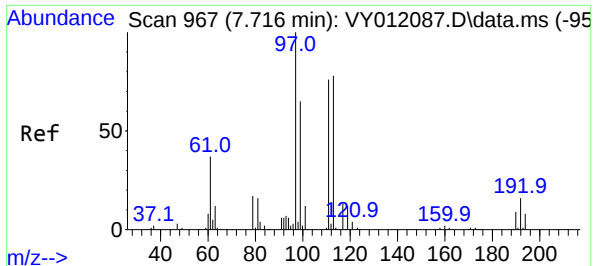
Tgt Ion: 65 Resp: 108995
Ion Ratio Lower Upper
65 100
67 49.1 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012138.D
Acq: 10 Jan 2023 13:46

Tgt Ion: 114 Resp: 289417
Ion Ratio Lower Upper
114 100
63 17.4 0.0 39.6
88 15.0 0.0 32.2

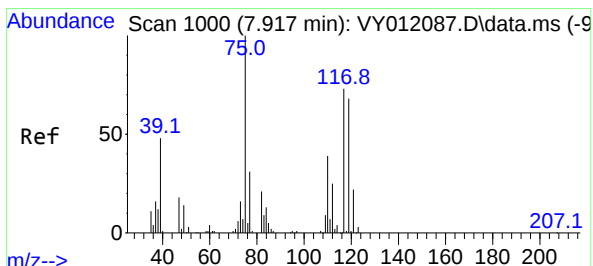
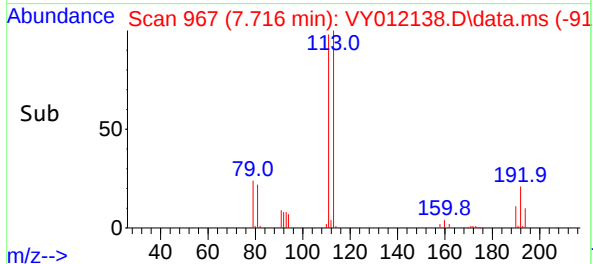
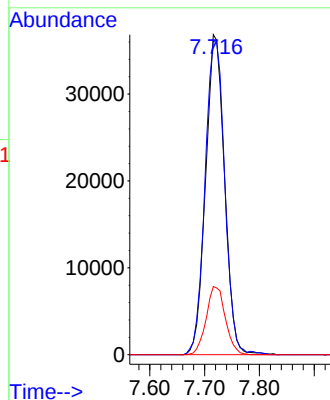
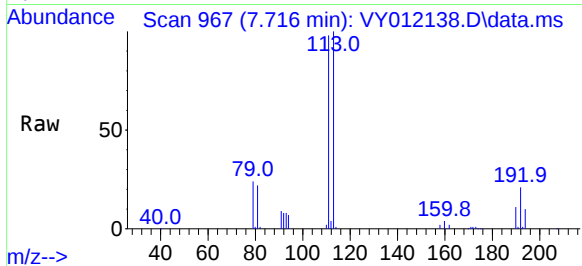




#35
Dibromofluoromethane
Concen: 46.359 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012138.D
Acq: 10 Jan 2023 13:46

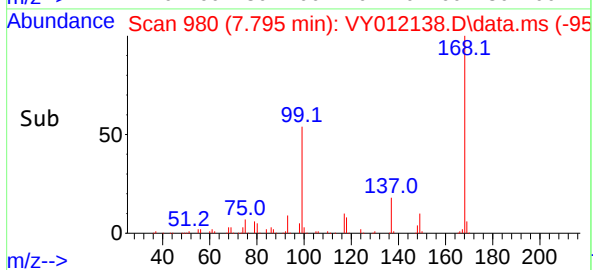
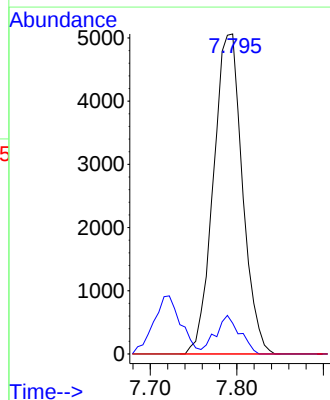
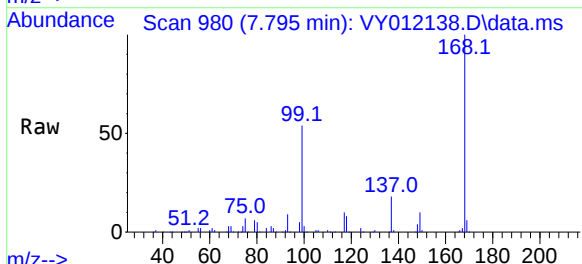
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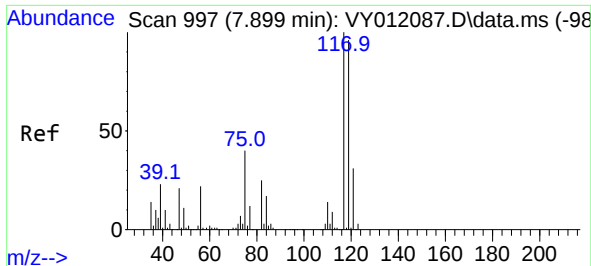
Tgt Ion:	113	Resp:	88188
Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.0	124.4
192	21.5	16.0	24.0



#36
1,1-Dichloropropene
Concen: 4.076 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY012138.D
Acq: 10 Jan 2023 13:46

Tgt Ion:	75	Resp:	11765
Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.1	54.1#
77	0.0	25.1	37.7#

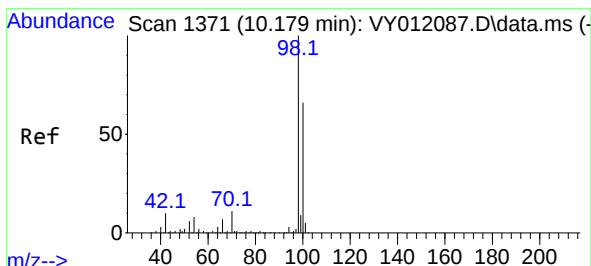
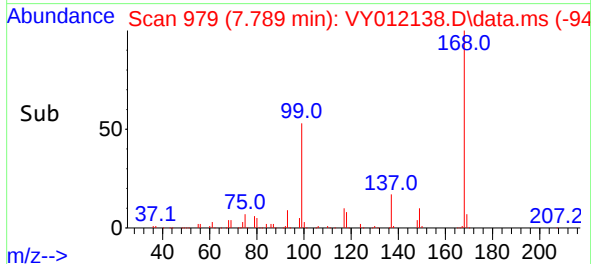
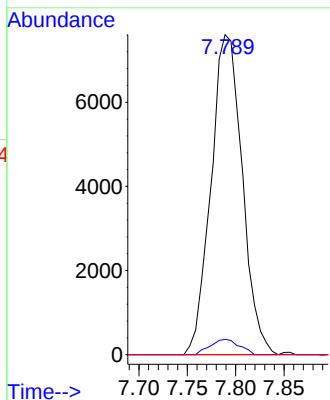
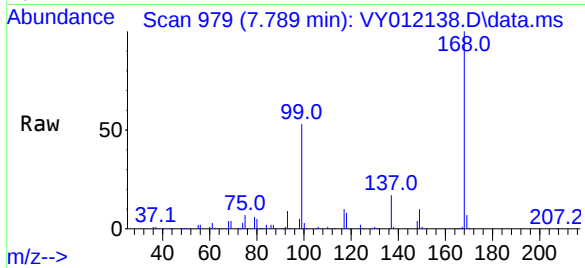




#38
Carbon Tetrachloride
Concen: 4.667 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012138.D
Acq: 10 Jan 2023 13:46

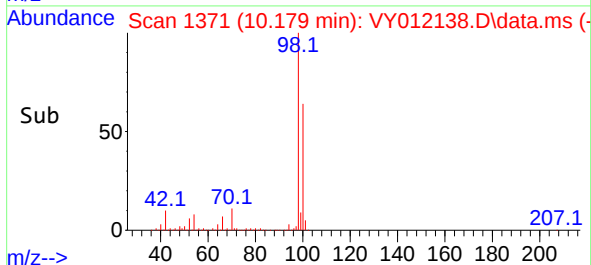
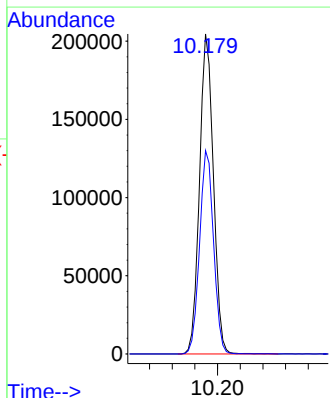
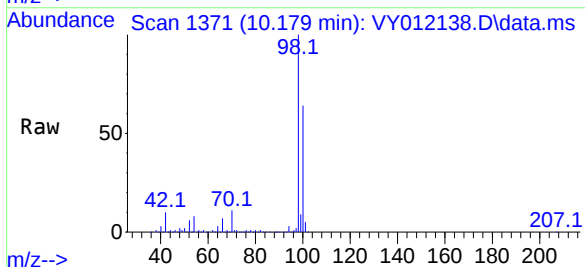
Instrument :
MSVOA_Y
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TT-214-IDWSO-20230109-3

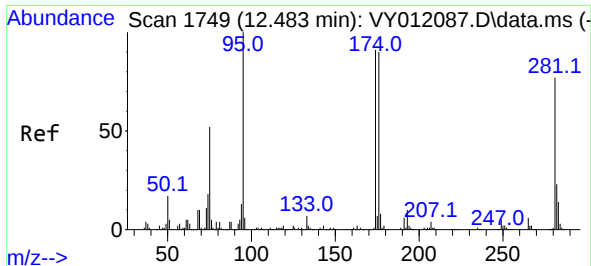
Tgt Ion:117 Resp: 17095
Ion Ratio Lower Upper
117 100
119 4.8 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 46.346 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012138.D
Acq: 10 Jan 2023 13:46

Tgt Ion: 98 Resp: 347982
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9

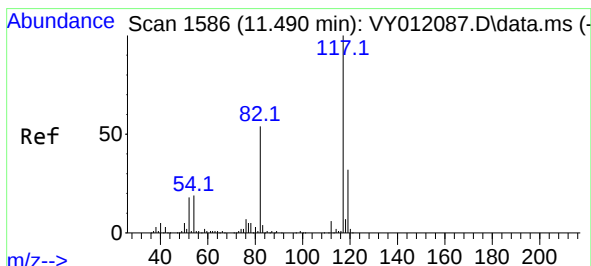
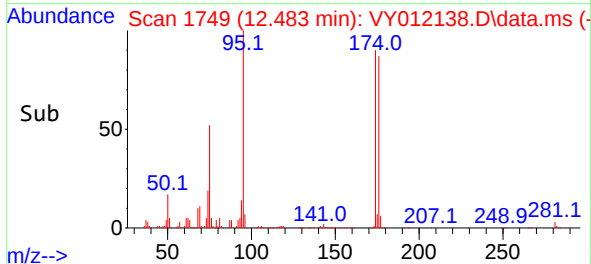
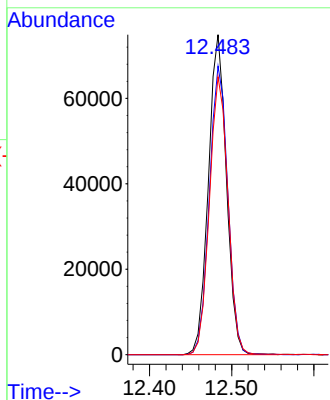
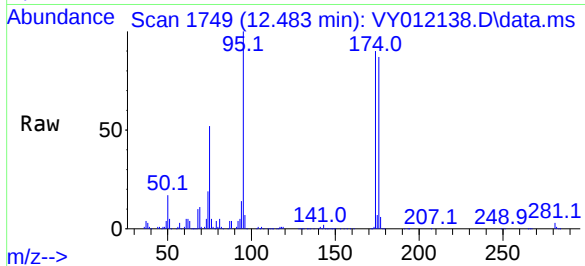




#62
4-Bromofluorobenzene
Concen: 43.621 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012138.D
Acq: 10 Jan 2023 13:46

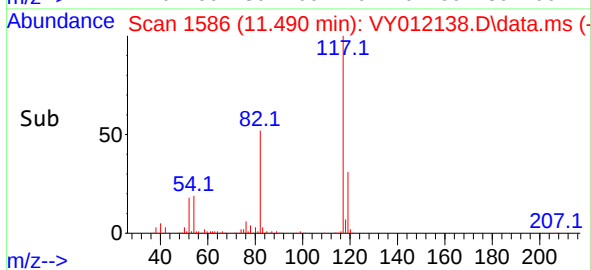
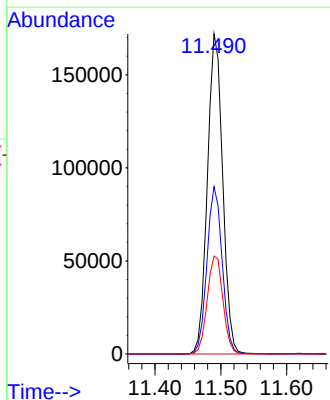
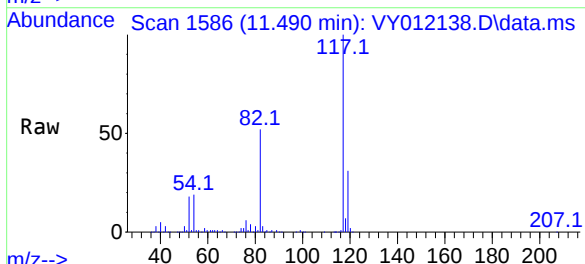
Instrument :
MSVOA_Y
ClientSampleId :
TT-214-IDWSO-20230109-3

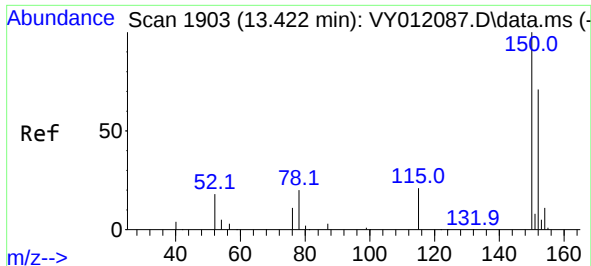
Tgt Ion: 95 Resp: 114484
Ion Ratio Lower Upper
95 100
174 92.3 0.0 172.0
176 88.8 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012138.D
Acq: 10 Jan 2023 13:46

Tgt Ion: 117 Resp: 277734
Ion Ratio Lower Upper
117 100
82 52.3 44.8 67.2
119 30.6 25.4 38.2

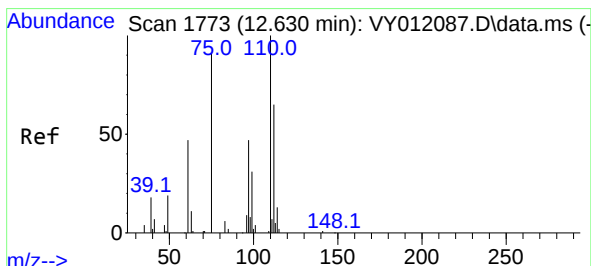
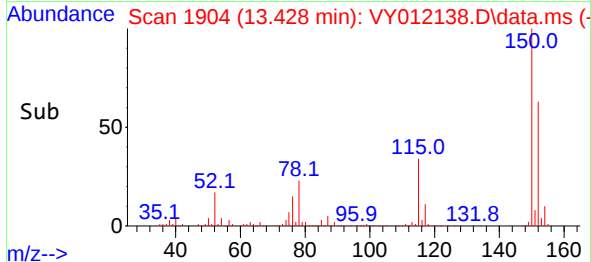
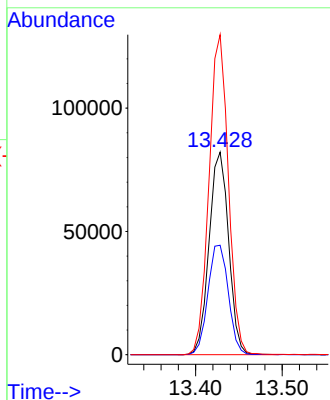
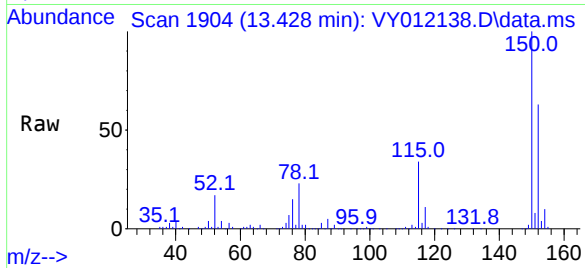




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY012138.D
Acq: 10 Jan 2023 13:46

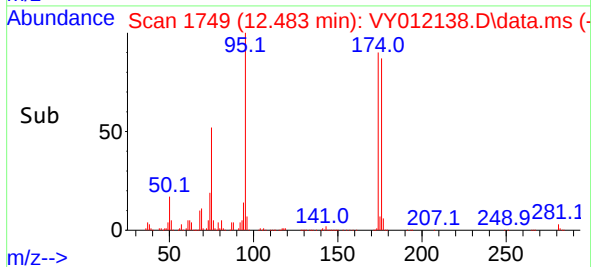
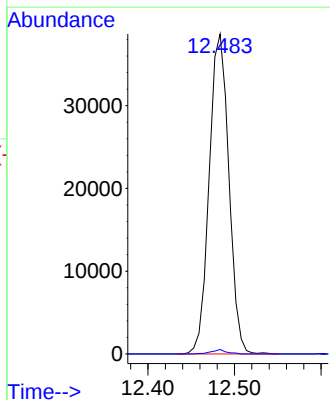
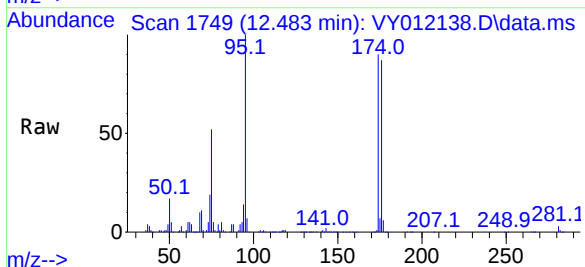
Instrument :
MSVOA_Y
ClientSampleId :
TT-214-IDWSO-20230109-3

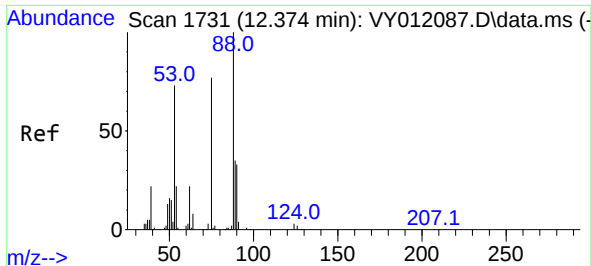
Tgt Ion:152 Resp: 128979
Ion Ratio Lower Upper
152 100
115 56.5 29.1 87.3
150 156.1 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 41.370 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012138.D
Acq: 10 Jan 2023 13:46

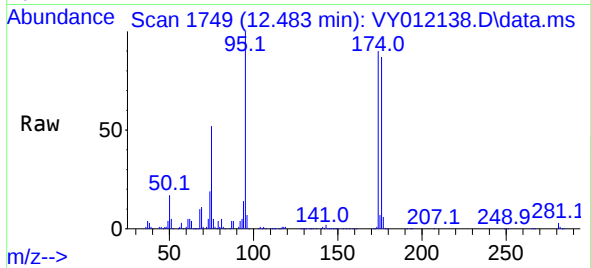
Tgt Ion: 75 Resp: 60925
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.877 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012138.D
 Acq: 10 Jan 2023 13:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 TT-214-IDWSO-20230109-3



Tgt Ion: 75 Resp: 60925
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.0 37.0 55.4#

