

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083122\
 Data File : VY010249.D
 Acq On : 31 Aug 2022 16:41
 Operator : KP/MD
 Sample : N4375-02
 Misc : 5.64g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-2

Quant Time: Aug 31 23:41:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 02:23:17 2022
 Response via : Initial Calibration

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

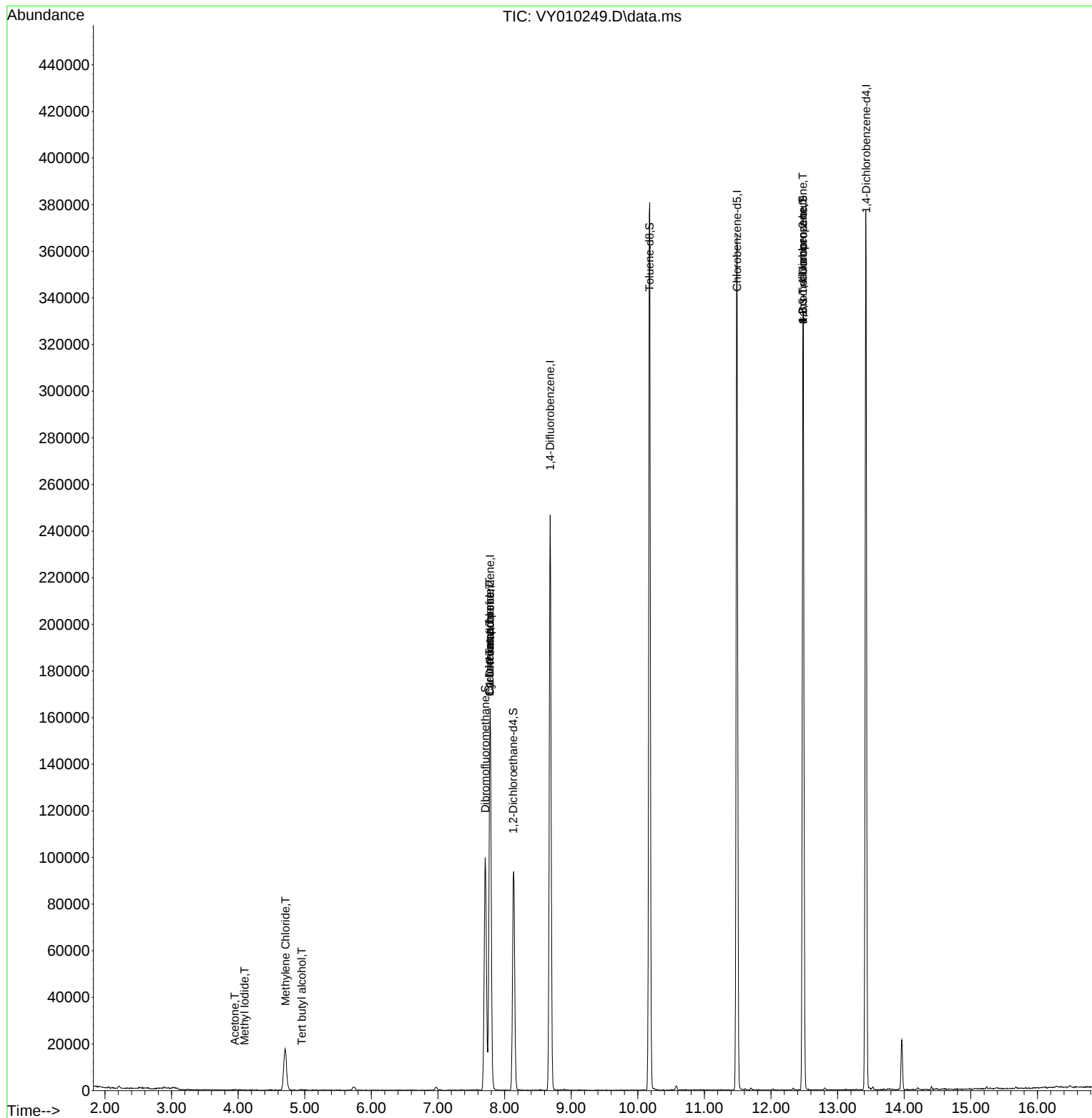
Internal Standards						
1) Pentafluorobenzene	7.783	168	137960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	220768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	215385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	77730	66.582	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.160%			
35) Dibromofluoromethane	7.710	113	70181	55.230	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.460%			
50) Toluene-d8	10.179	98	258723	54.772	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.540%			
62) 4-Bromofluorobenzene	12.477	95	88540	50.338	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.680%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.094	142	151	1.533	ug/l #	35
11) Tert butyl alcohol	4.954	59	717	6.170	ug/l #	77
16) Acetone	3.948	43	403	1.650	ug/l #	47
20) Methylene Chloride	4.710	84	14590	10.146	ug/l #	78
31) Cyclohexane	7.777	56	2164	1.043	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	8115	4.215	ug/l #	52
38) Carbon Tetrachloride	7.777	117	12881	5.831	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	43684	41.720	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	43684	87.042	ug/l #	7

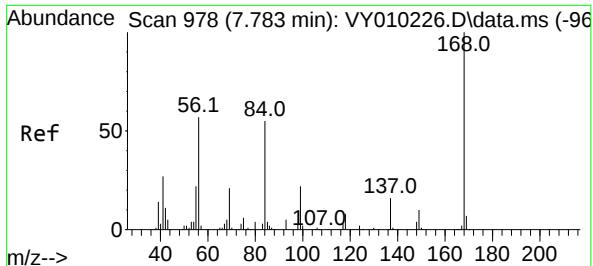
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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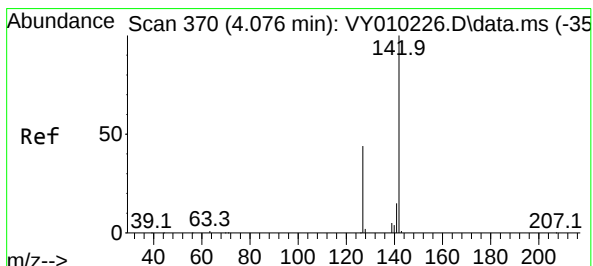
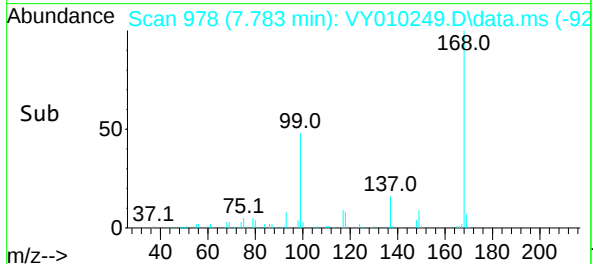
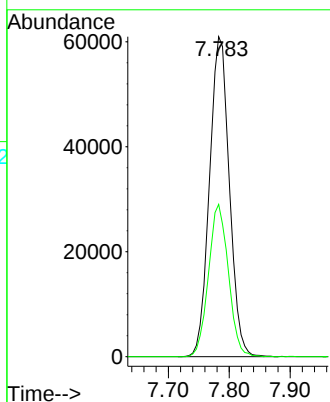
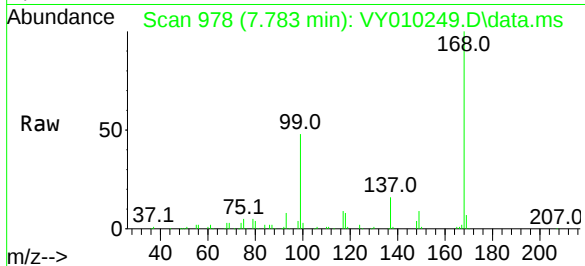




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010249.D
Acq: 31 Aug 2022 16:41

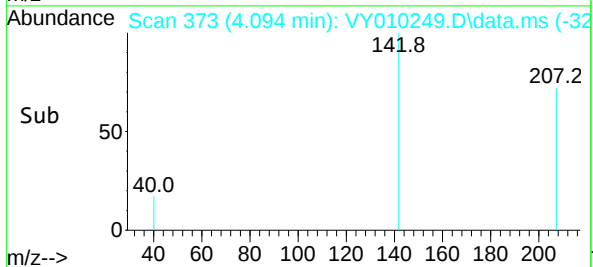
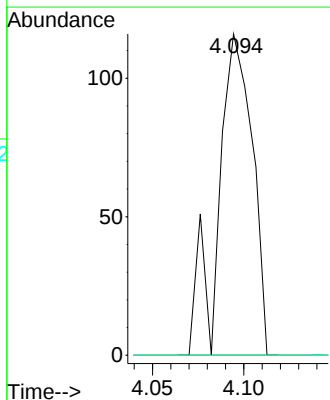
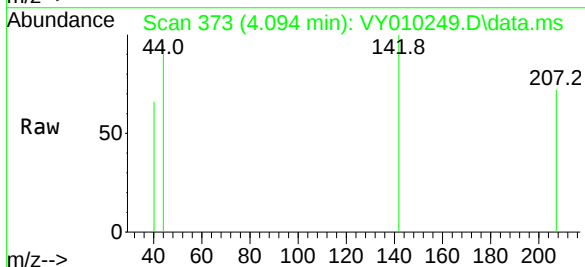
Instrument :
MSVOA_Y
ClientSampleId :
WC-2

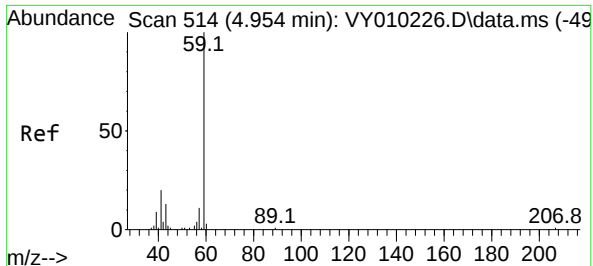
Tgt Ion:168 Resp: 137960
Ion Ratio Lower Upper
168 100
99 47.6 46.9 70.3



#10
Methyl Iodide
Concen: 1.533 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.018 min
Lab File: VY010249.D
Acq: 31 Aug 2022 16:41

Tgt Ion:142 Resp: 151
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: 6.170 ug/l

RT: 4.954 min Scan# 514

Delta R.T. -0.000 min

Lab File: VY010249.D

Acq: 31 Aug 2022 16:41

Instrument :

MSVOA_Y

ClientSampleId :

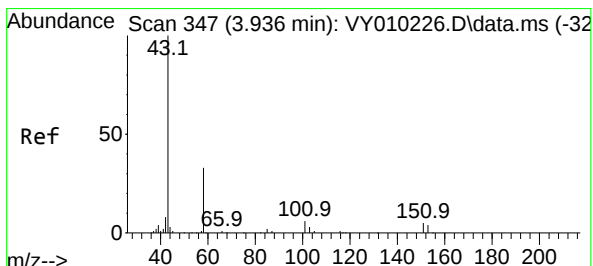
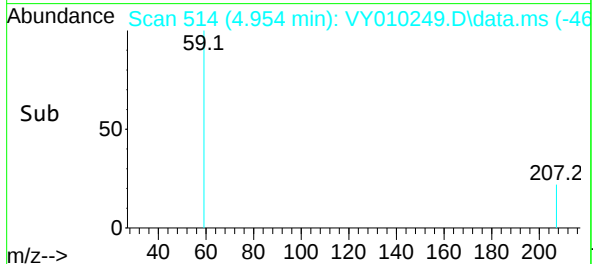
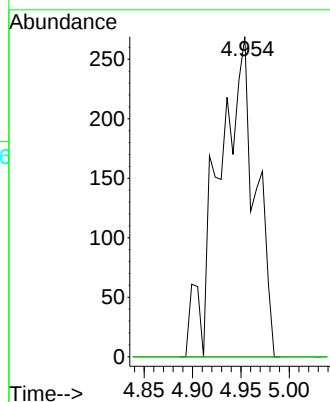
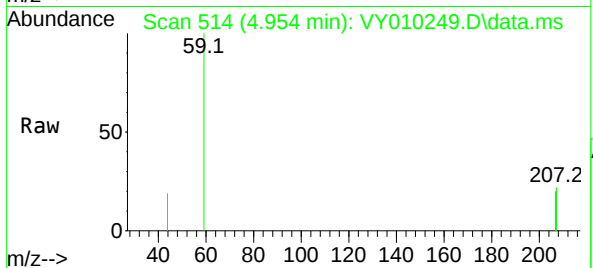
WC-2

Tgt Ion: 59 Resp: 717

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 1.650 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.012 min

Lab File: VY010249.D

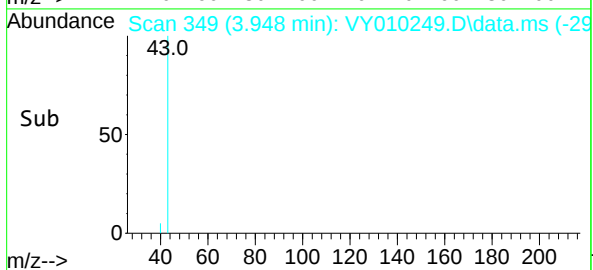
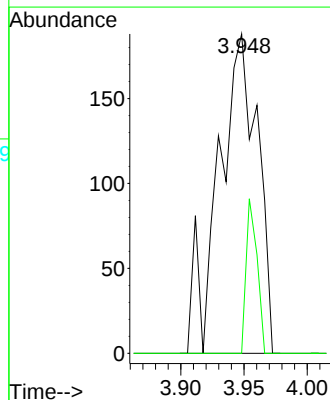
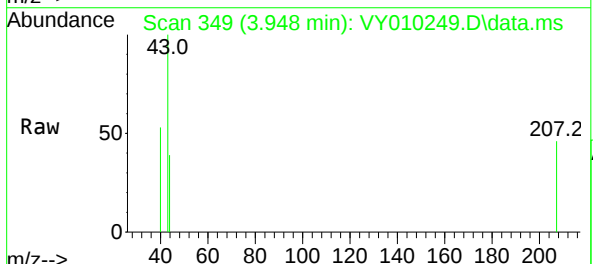
Acq: 31 Aug 2022 16:41

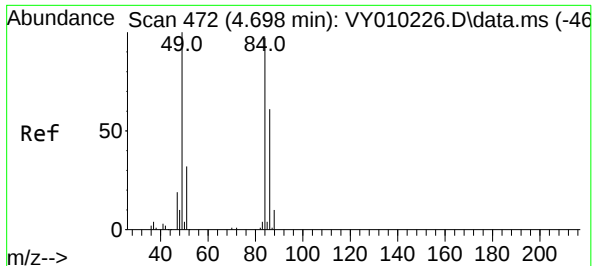
Tgt Ion: 43 Resp: 403

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#

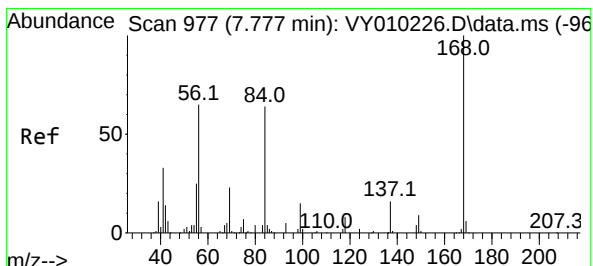
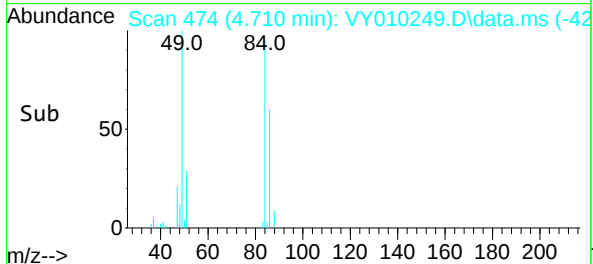
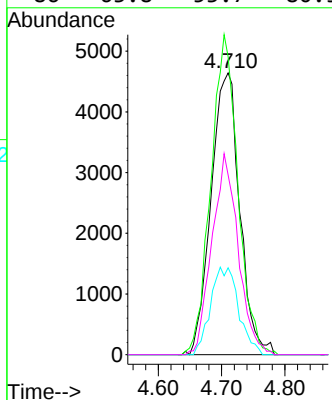
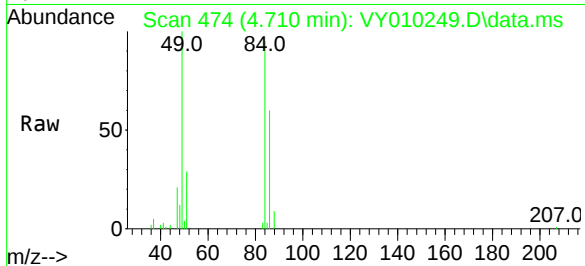




#20
Methylene Chloride
Concen: 10.146 ug/l
RT: 4.710 min Scan# 472
Delta R.T. 0.012 min
Lab File: VY010249.D
Acq: 31 Aug 2022 16:41

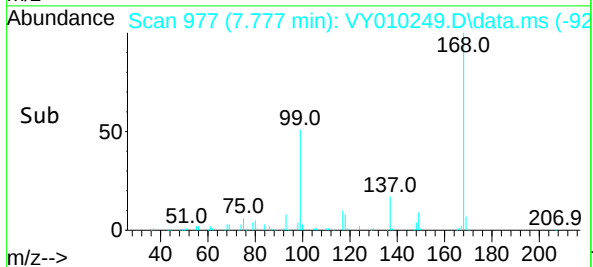
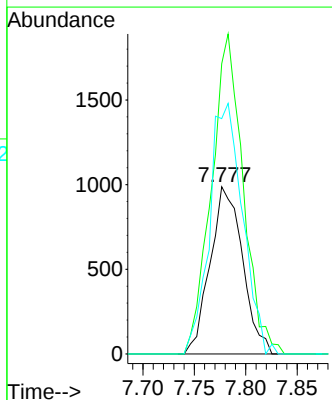
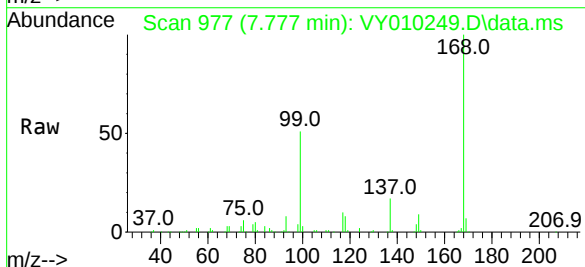
Instrument :
MSVOA_Y
ClientSampleId :
WC-2

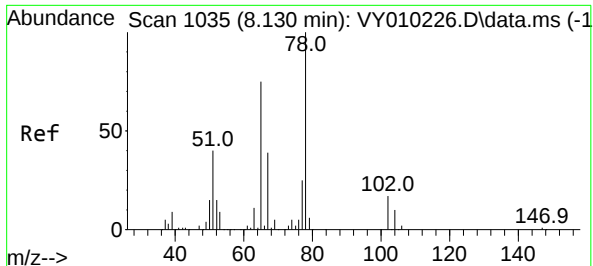
Tgt Ion: 84 Resp: 14590
Ion Ratio Lower Upper
84 100
49 105.8 114.4 171.6#
51 30.8 35.3 52.9#
86 63.8 53.7 80.5



#31
Cyclohexane
Concen: 1.043 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.000 min
Lab File: VY010249.D
Acq: 31 Aug 2022 16:41

Tgt Ion: 56 Resp: 2164
Ion Ratio Lower Upper
56 100
69 173.7 26.7 40.1#
84 140.8 67.2 100.8#

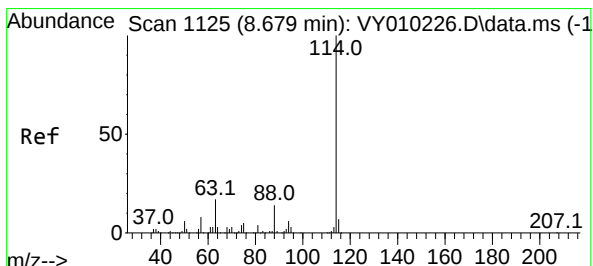
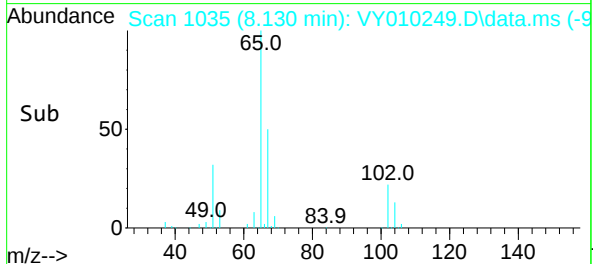
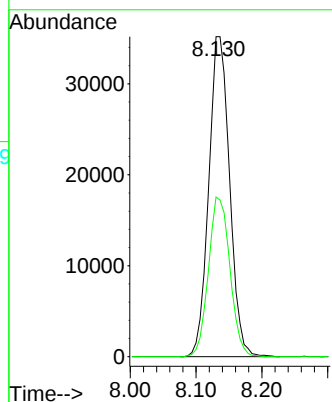
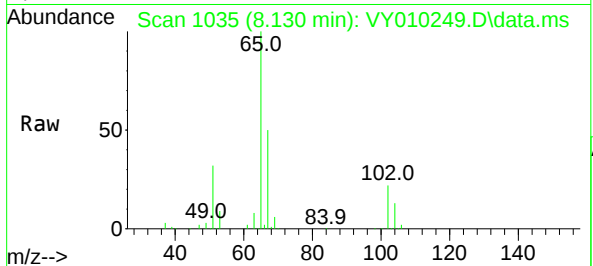




#33
 1,2-Dichloroethane-d4
 Concen: 66.582 ug/l
 RT: 8.130 min Scan# 1103
 Delta R.T. 0.000 min
 Lab File: VY010249.D
 Acq: 31 Aug 2022 16:41

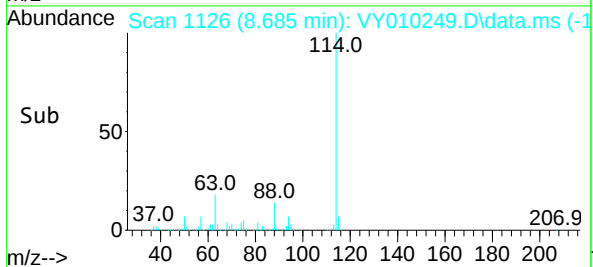
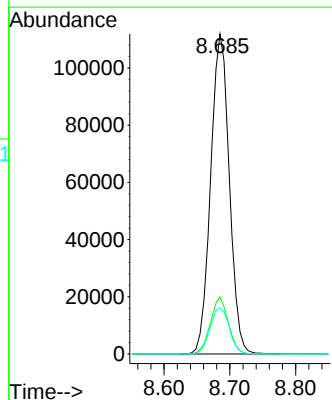
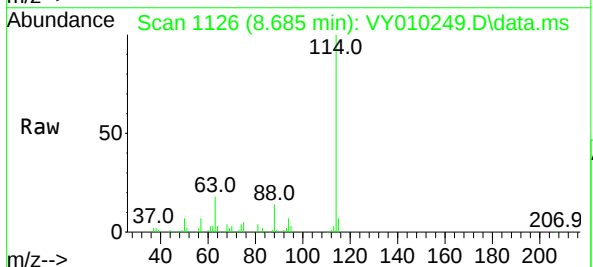
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-2

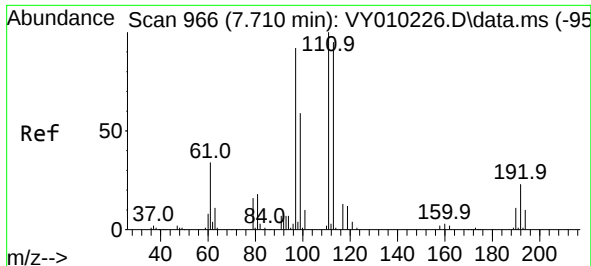
Tgt Ion: 65 Resp: 77730
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.006 min
 Lab File: VY010249.D
 Acq: 31 Aug 2022 16:41

Tgt Ion: 114 Resp: 220768
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 43.2
 88 14.4 0.0 31.8

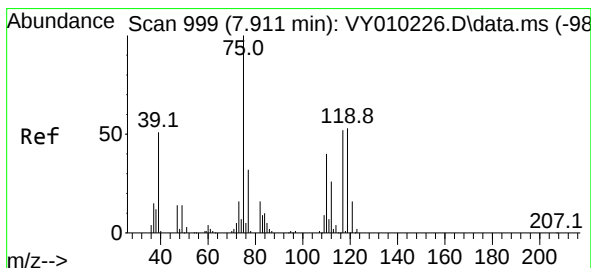
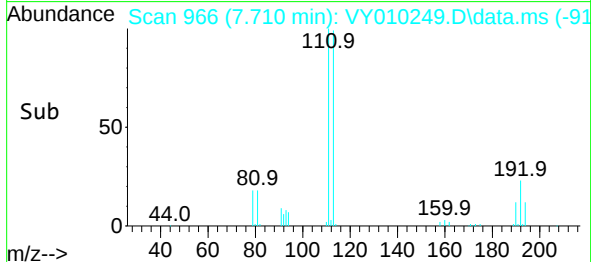
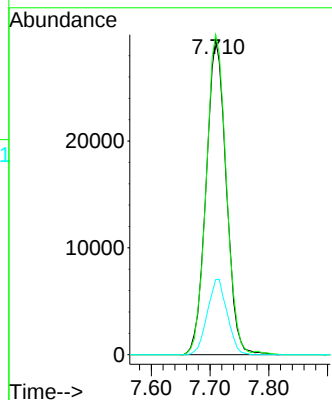
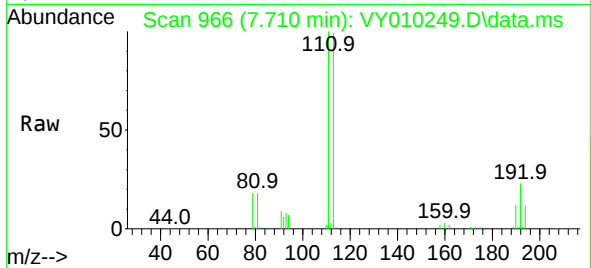




#35
Dibromofluoromethane
Concen: 55.230 ug/l
RT: 7.710 min Scan# 901
Delta R.T. -0.000 min
Lab File: VY010249.D
Acq: 31 Aug 2022 16:41

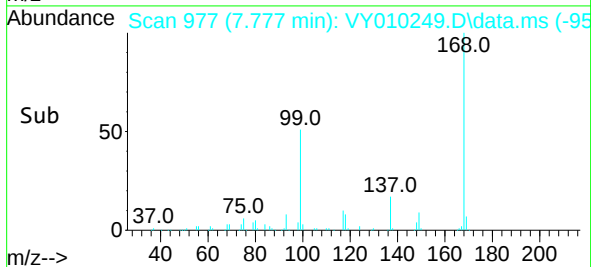
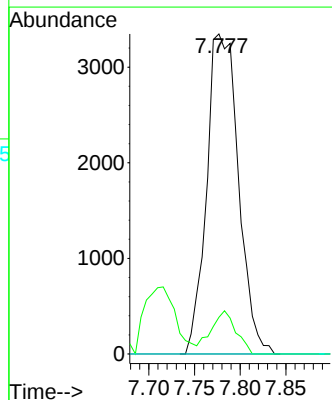
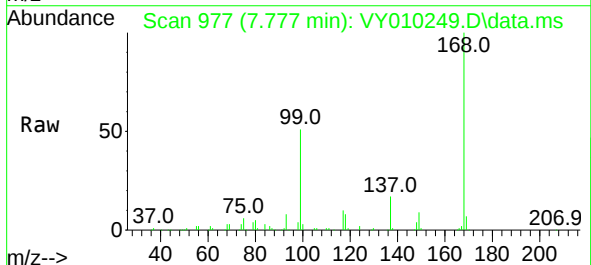
Instrument :
MSVOA_Y
ClientSampleId :
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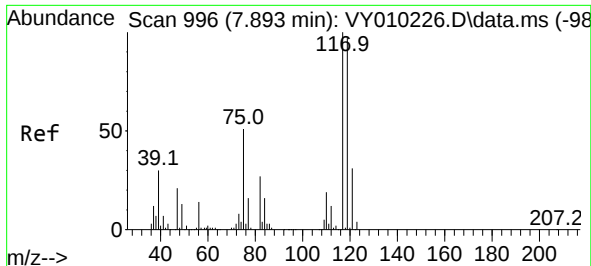
Tgt Ion:113 Resp: 70181
Ion Ratio Lower Upper
113 100
111 101.1 82.6 124.0
192 23.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.215 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY010249.D
Acq: 31 Aug 2022 16:41

Tgt Ion: 75 Resp: 8115
Ion Ratio Lower Upper
75 100
110 10.6 17.1 51.2#
77 0.0 24.4 36.6#

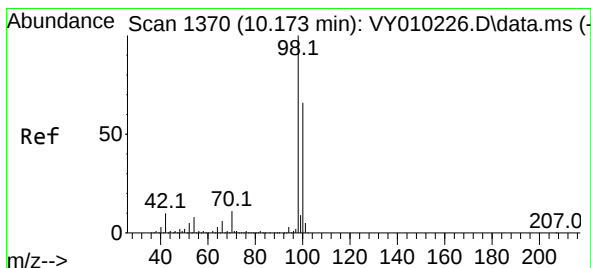
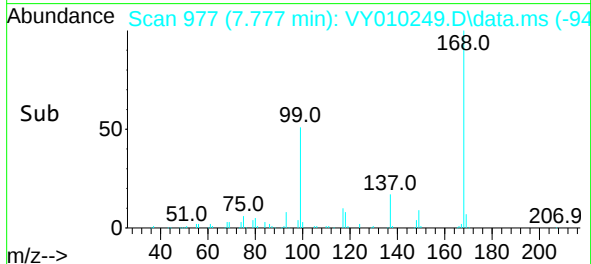
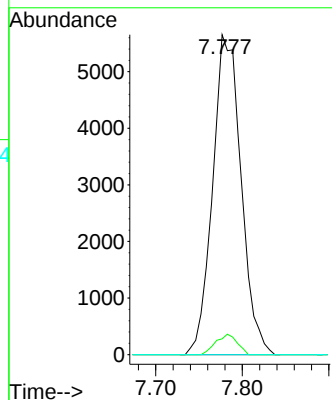
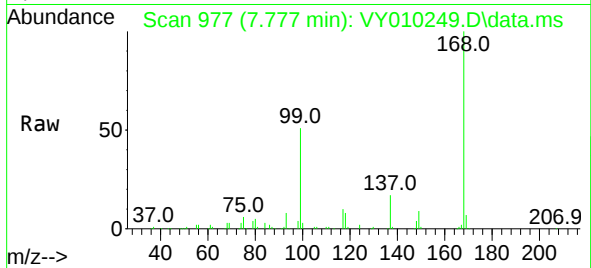




#38
Carbon Tetrachloride
Concen: 5.831 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010249.D
Acq: 31 Aug 2022 16:41

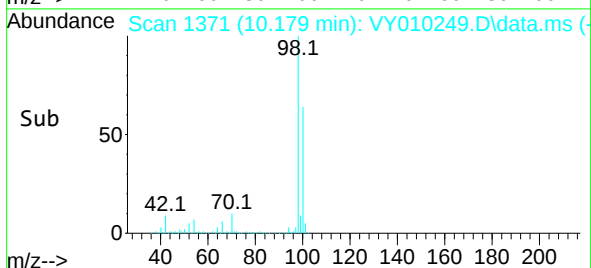
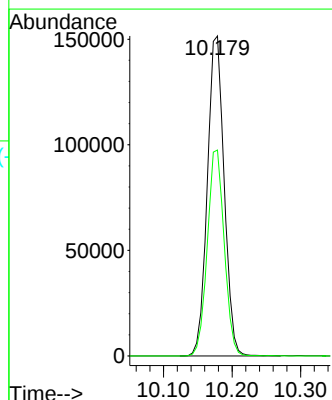
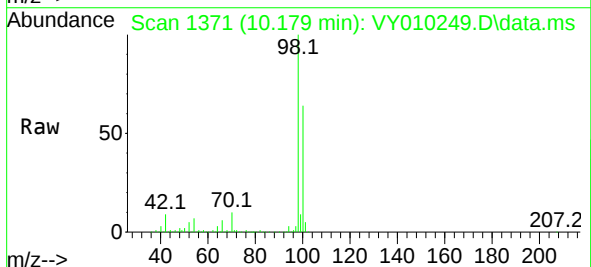
Instrument :
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ClientSampleId :
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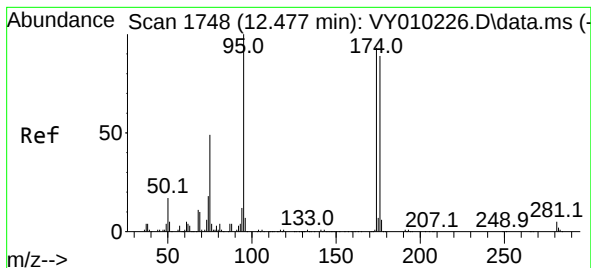
Tgt Ion:117 Resp: 12881
Ion Ratio Lower Upper
117 100
119 4.9 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.772 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010249.D
Acq: 31 Aug 2022 16:41

Tgt Ion: 98 Resp: 258723
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2

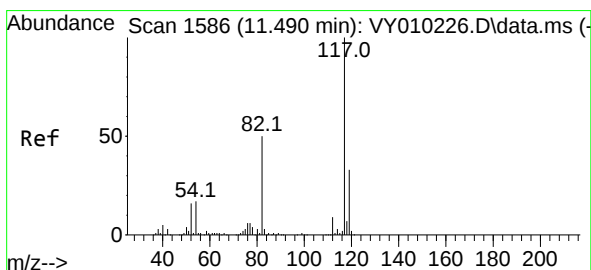
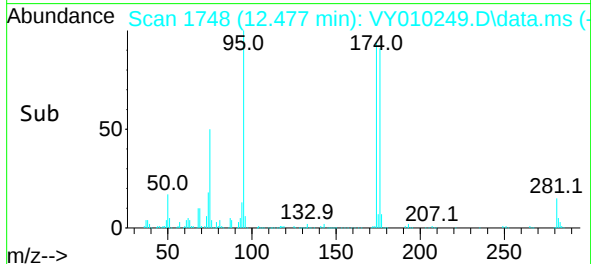
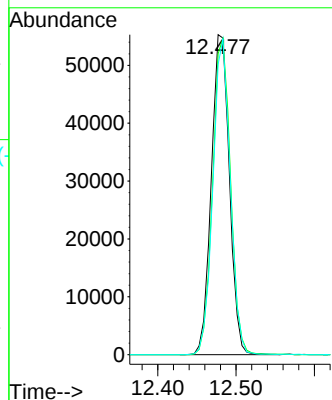
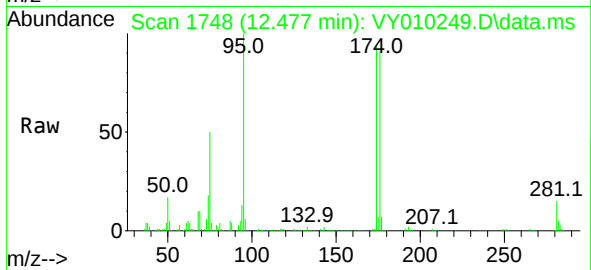




#62
4-Bromofluorobenzene
Concen: 50.338 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY010249.D
Acq: 31 Aug 2022 16:41

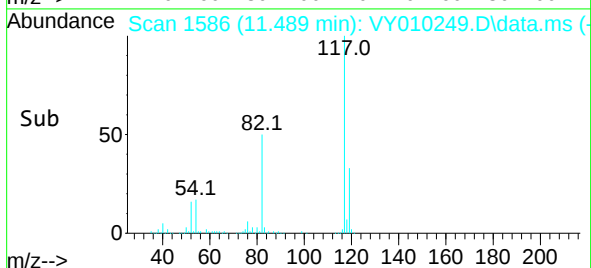
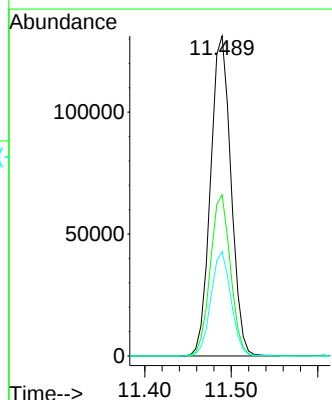
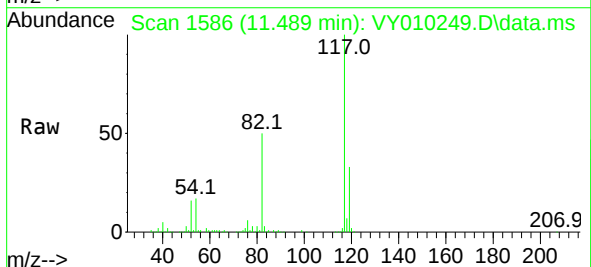
Instrument :
MSVOA_Y
ClientSampleId :
WC-2

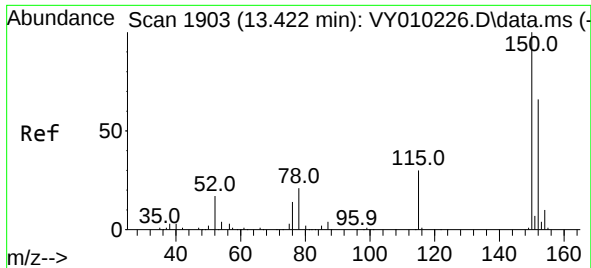
Tgt Ion: 95 Resp: 88540
Ion Ratio Lower Upper
95 100
174 97.8 0.0 177.0
176 94.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010249.D
Acq: 31 Aug 2022 16:41

Tgt Ion: 117 Resp: 215385
Ion Ratio Lower Upper
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82 50.4 43.0 64.4
119 32.6 25.4 38.0

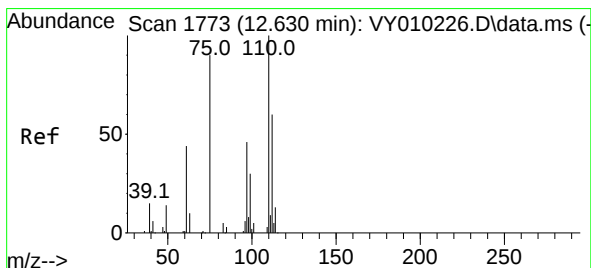
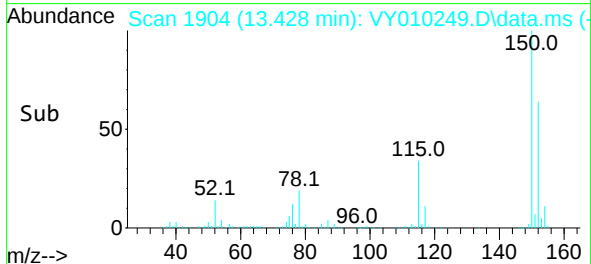
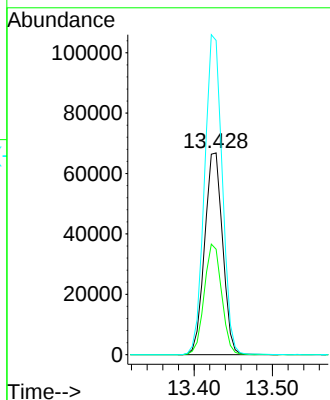
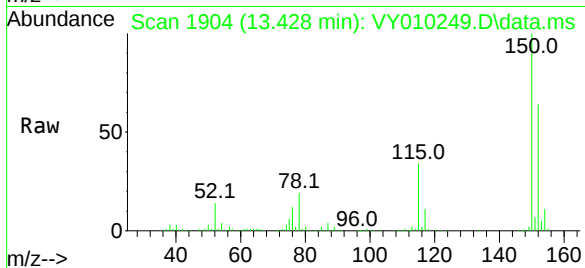




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY010249.D
 Acq: 31 Aug 2022 16:41

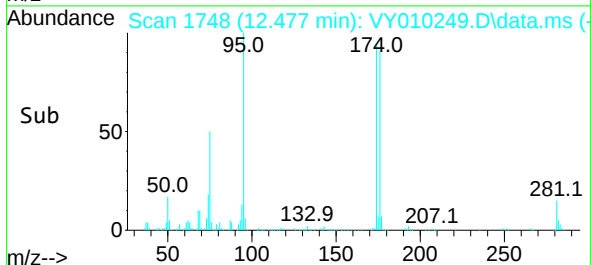
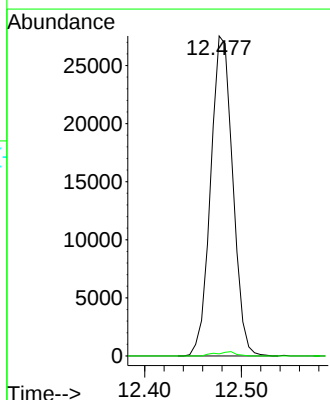
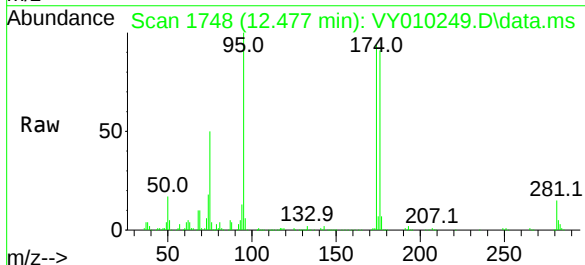
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-2

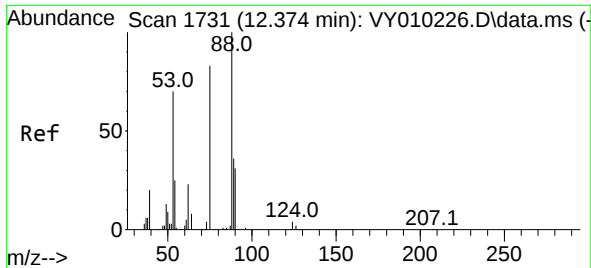
Tgt Ion:152 Resp: 106485
 Ion Ratio Lower Upper
 152 100
 115 52.9 28.2 84.7
 150 156.2 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 41.720 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY010249.D
 Acq: 31 Aug 2022 16:41

Tgt Ion: 75 Resp: 43684
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.042 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010249.D
 Acq: 31 Aug 2022 16:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-2

Tgt Ion: 75 Resp: 43684
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.3 37.0 55.4#

