

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111122\
 Data File : VY011427.D
 Acq On : 11 Nov 2022 18:26
 Operator : KP/MD
 Sample : N5521-02
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Nov 14 05:54:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111022S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 10 17:47:26 2022
 Response via : Initial Calibration

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

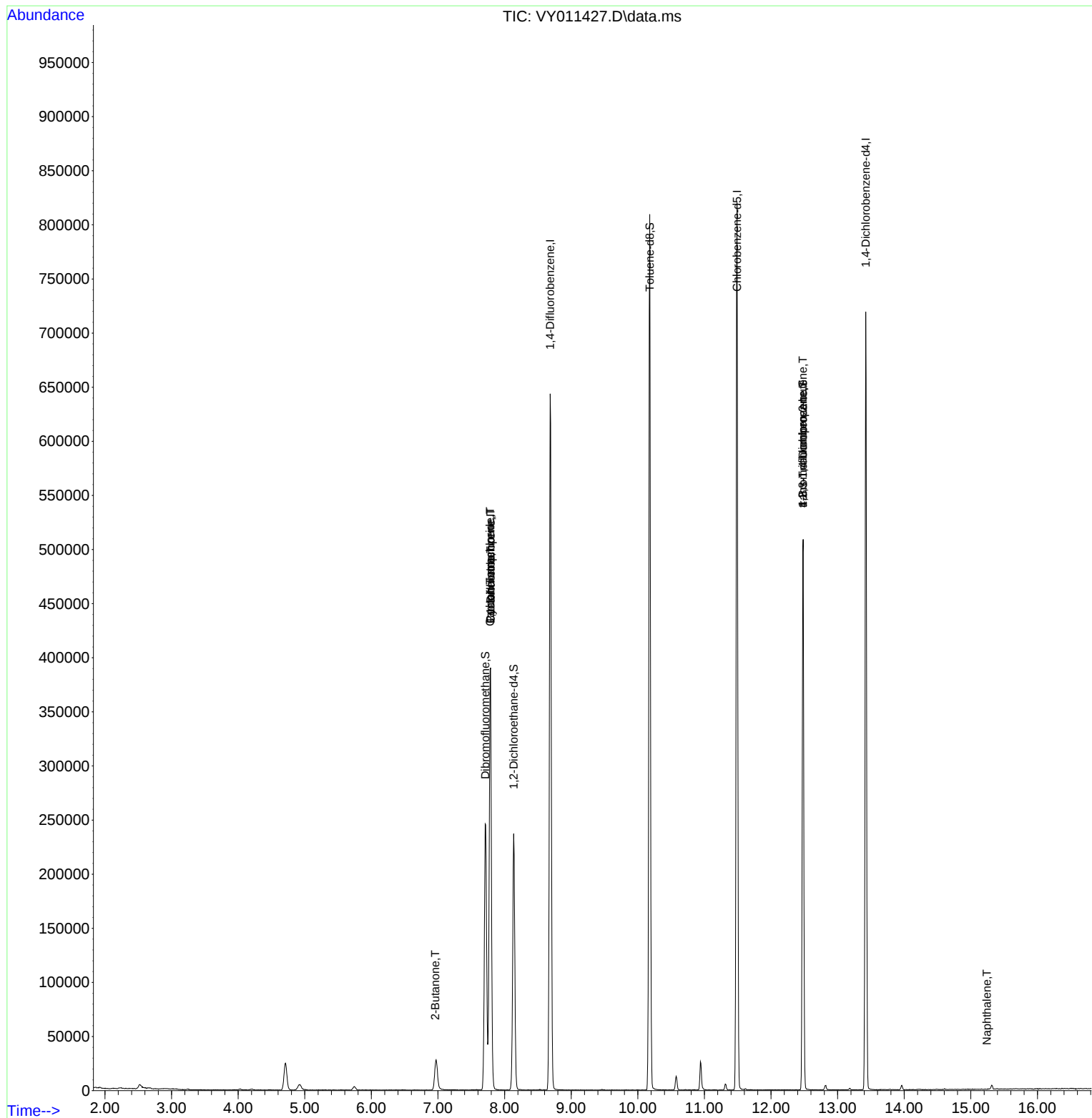
Internal Standards						
1) Pentafluorobenzene	7.789	168	319700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	579509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	481703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	195760	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	179265	66.915	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.840%	
35) Dibromofluoromethane	7.710	113	179524	55.277	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.560%	
50) Toluene-d8	10.179	98	540321	43.549	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 87.100%	
62) 4-Bromofluorobenzene	12.477	95	159134	36.773	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 73.540%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	133	Below Cal	#	43
11) Tert butyl alcohol	4.911	59	2770	Below Cal	#	77
18) Methyl Acetate	4.485	43	482	Below Cal	#	56
20) Methylene Chloride	4.710	84	20543	Below Cal	#	78
25) 2-Butanone	6.960	43	1248	1.239	ug/l #	54
31) Cyclohexane	7.789	56	5137	1.067	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	21522	4.270	ug/l #	51
38) Carbon Tetrachloride	7.783	117	30196	5.507	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	76626	33.816	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	76626	81.283	ug/l #	7
95) Naphthalene	15.239	128	63	3.283	ug/l #	69

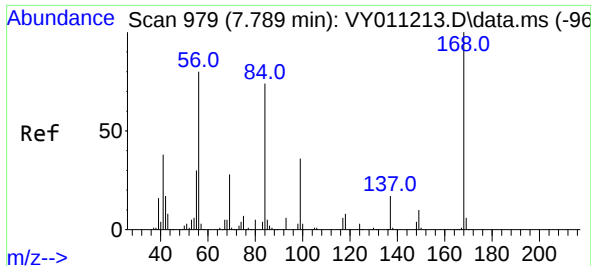
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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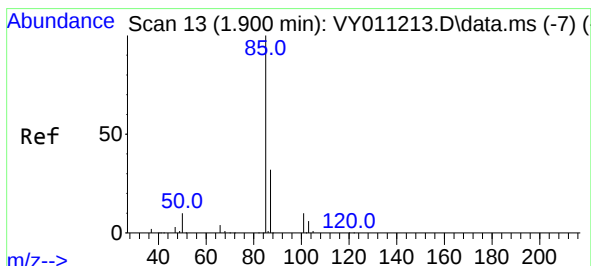
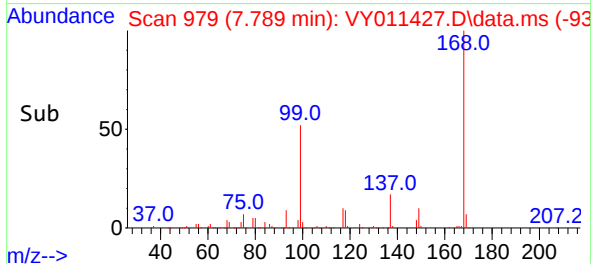
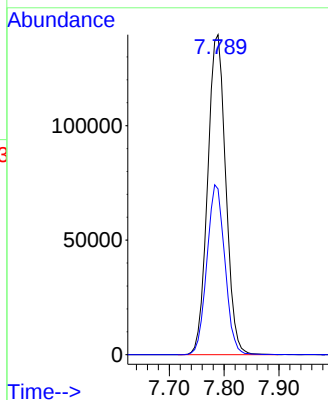
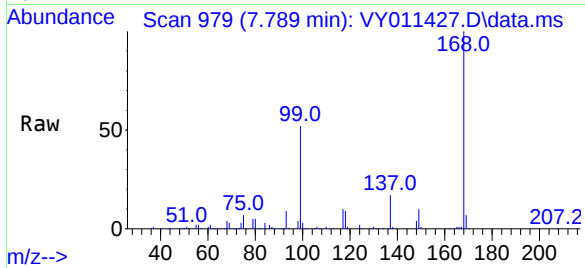




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011427.D
Acq: 11 Nov 2022 18:26

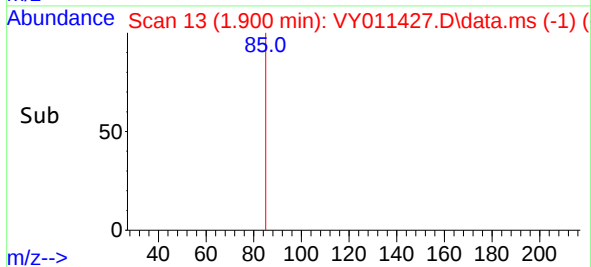
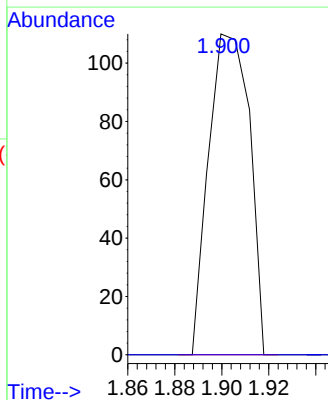
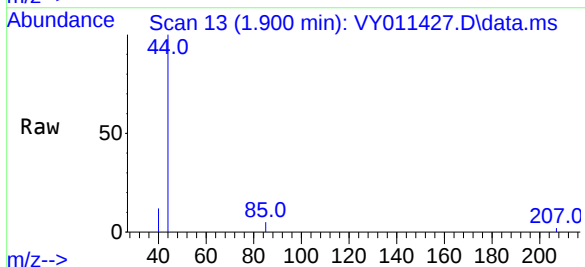
Instrument :
MSVOA_Y
ClientSampleId :
VOC

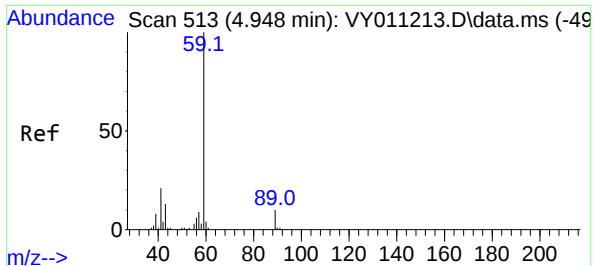
Tgt Ion:168 Resp: 319700
Ion Ratio Lower Upper
168 100
99 51.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY011427.D
Acq: 11 Nov 2022 18:26

Tgt Ion: 85 Resp: 133
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.911 min Scan# 50

Delta R.T. -0.043 min

Lab File: VY011427.D

Acq: 11 Nov 2022 18:26

Instrument :

MSVOA_Y

ClientSampleId :

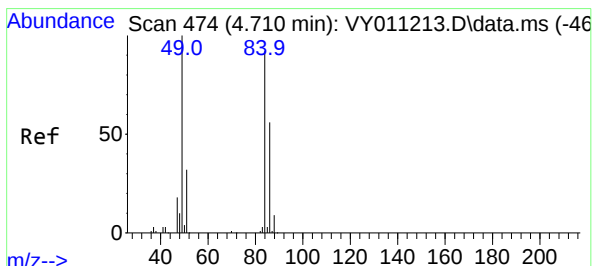
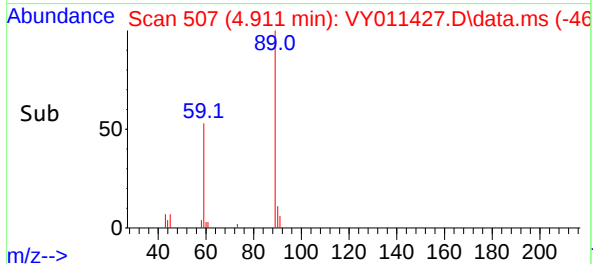
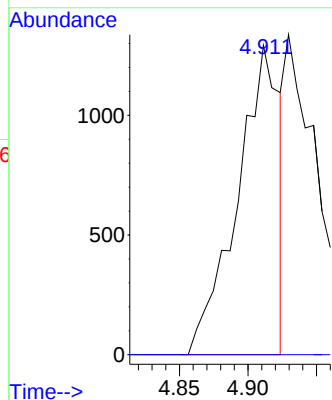
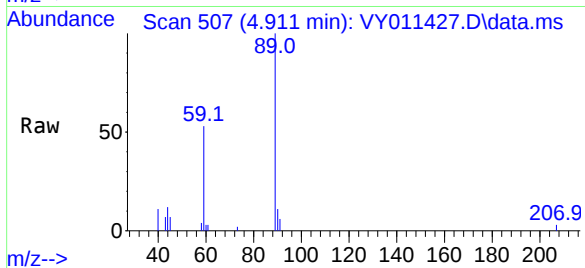
VOC

Tgt Ion: 59 Resp: 2770

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY011427.D

Acq: 11 Nov 2022 18:26

Tgt Ion: 84 Resp: 20543

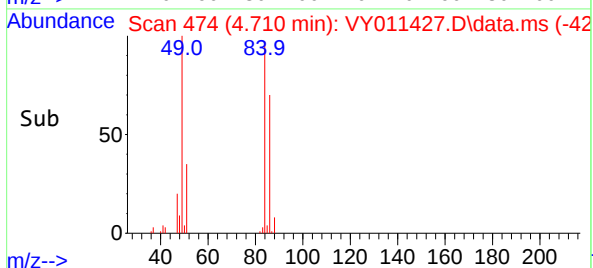
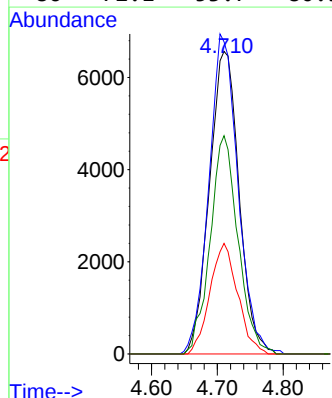
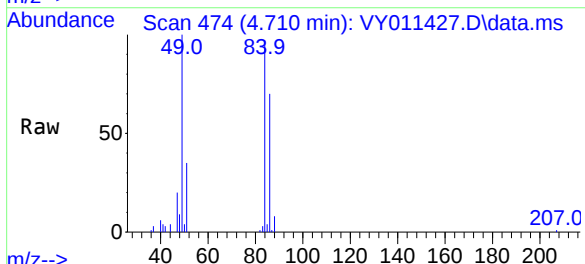
Ion Ratio Lower Upper

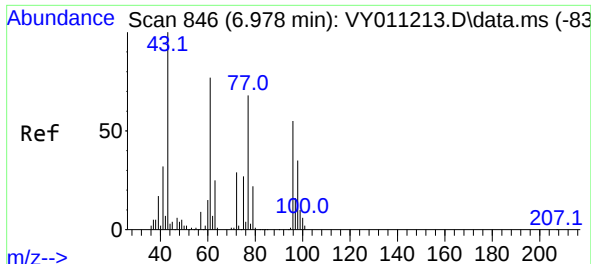
84 100

49 103.2 114.4 171.6#

51 36.5 35.3 52.9

86 72.1 53.7 80.5





#25

2-Butanone

Concen: 1.239 ug/l

RT: 6.960 min Scan# 846

Delta R.T. -0.018 min

Lab File: VY011427.D

Acq: 11 Nov 2022 18:26

Instrument :

MSVOA_Y

ClientSampleId :

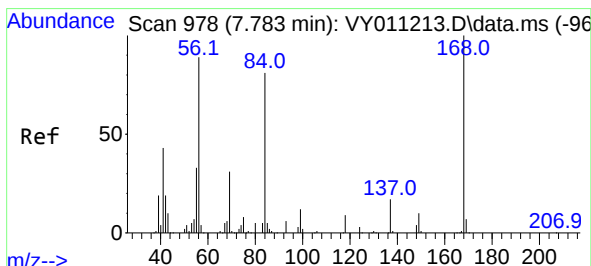
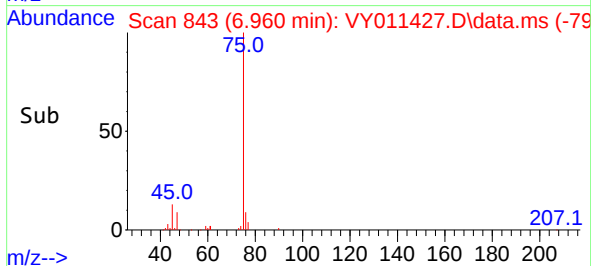
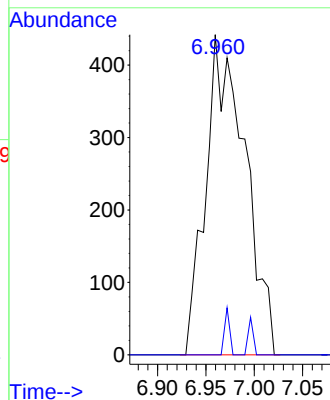
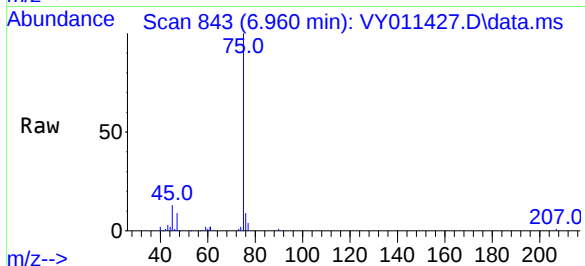
VOC

Tgt Ion: 43 Resp: 1248

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.067 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY011427.D

Acq: 11 Nov 2022 18:26

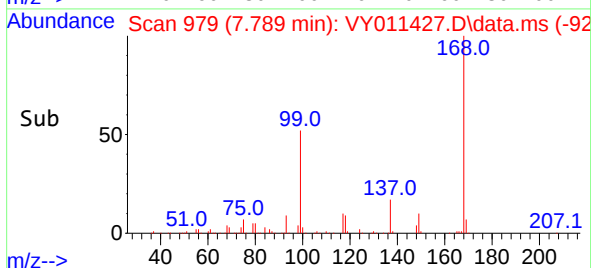
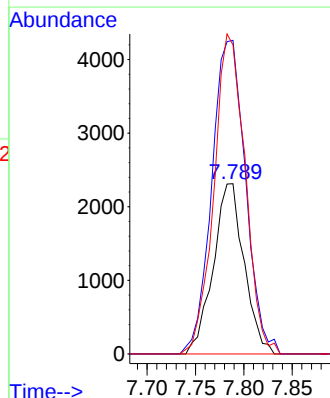
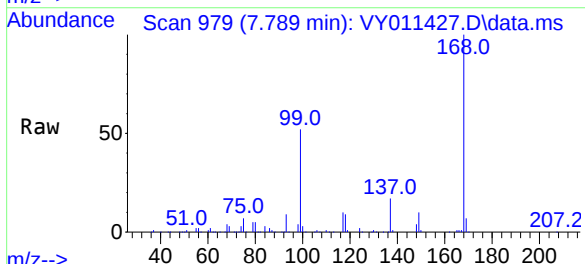
Tgt Ion: 56 Resp: 5137

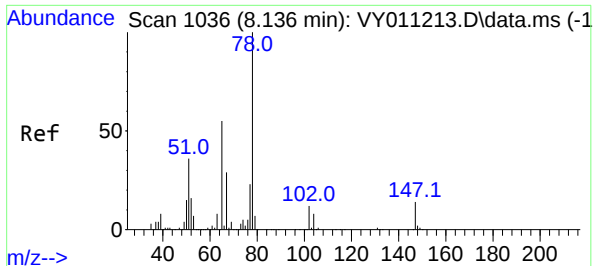
Ion Ratio Lower Upper

56 100

69 184.2 26.7 40.1#

84 181.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 66.915 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY011427.D

Acq: 11 Nov 2022 18:26

Instrument :

MSVOA_Y

ClientSampleId :

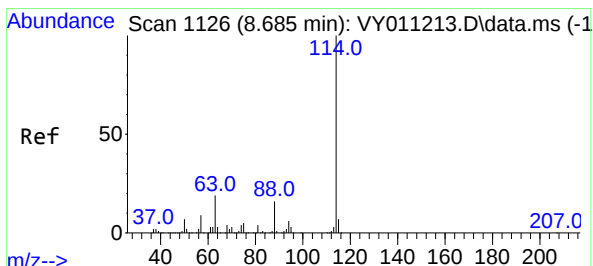
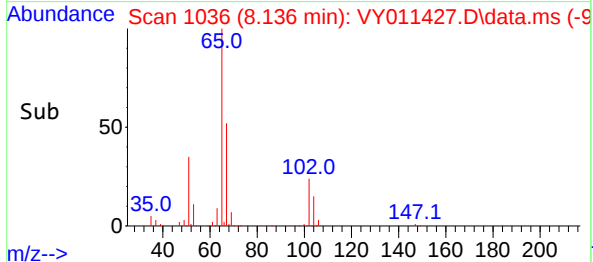
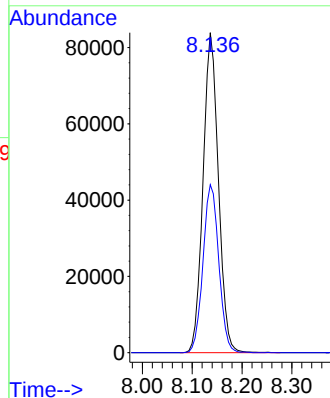
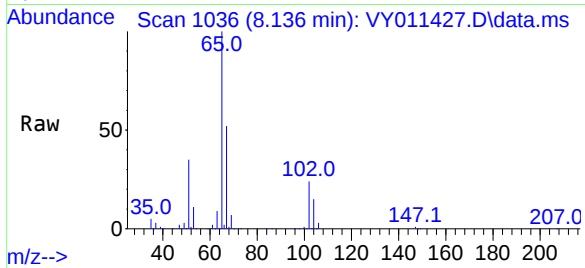
VOC

Tgt Ion: 65 Resp: 179265

Ion Ratio Lower Upper

65 100

67 54.0 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY011427.D

Acq: 11 Nov 2022 18:26

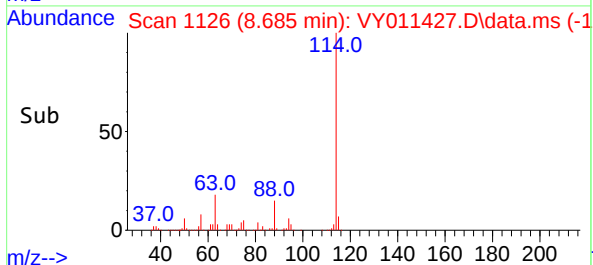
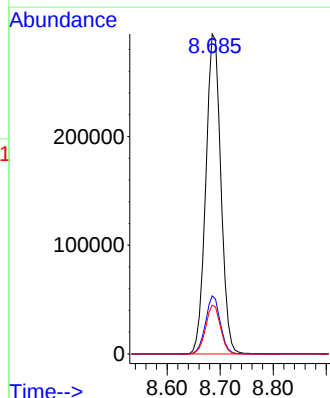
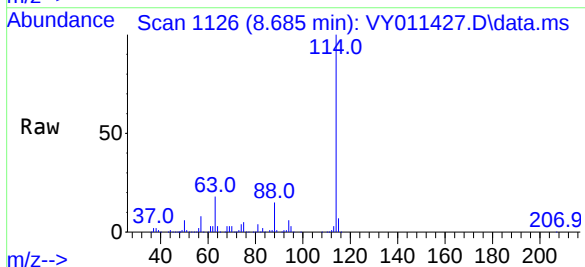
Tgt Ion: 114 Resp: 579509

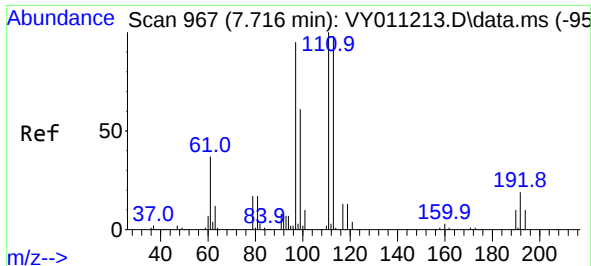
Ion Ratio Lower Upper

114 100

63 18.2 0.0 43.2

88 15.2 0.0 31.8

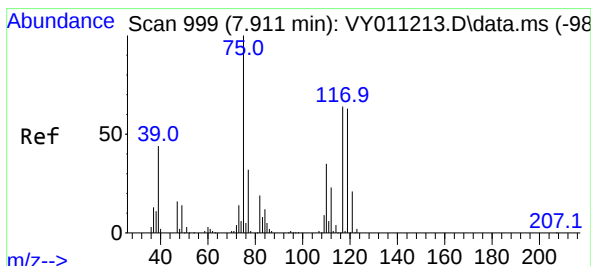
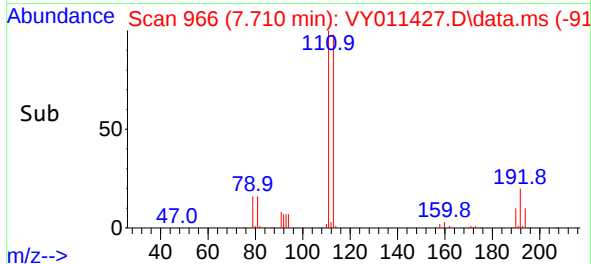
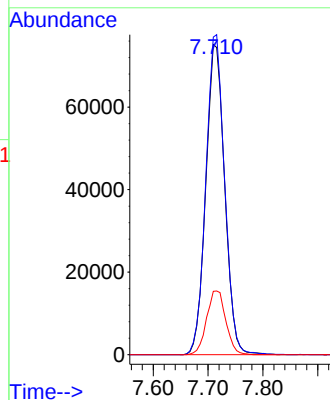
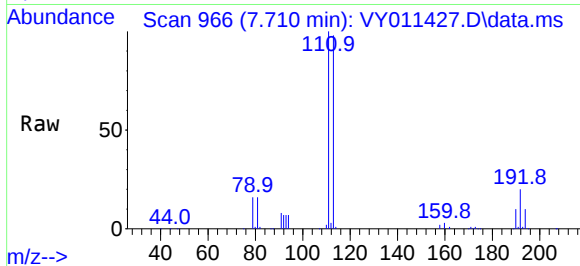




#35
Dibromofluoromethane
Concen: 55.277 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011427.D
Acq: 11 Nov 2022 18:26

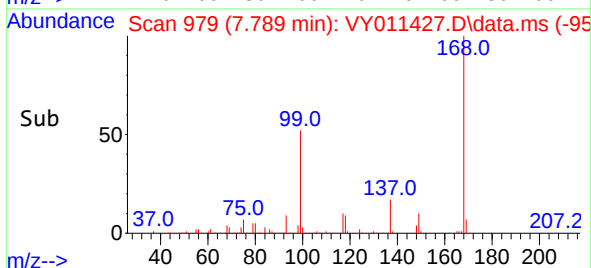
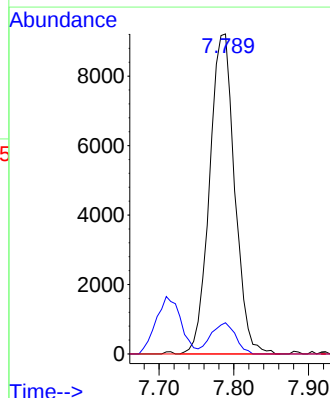
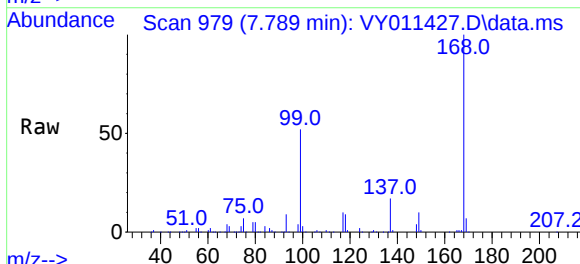
Instrument :
MSVOA_Y
ClientSampleId :
VOC

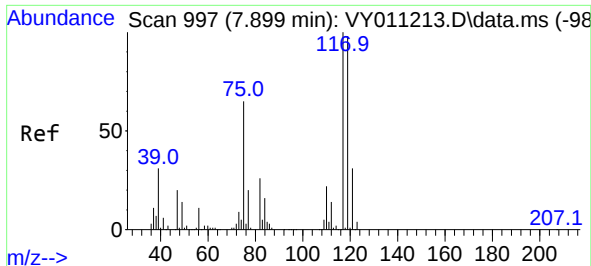
Tgt Ion:113 Resp: 179524
Ion Ratio Lower Upper
113 100
111 102.5 82.6 124.0
192 20.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.270 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011427.D
Acq: 11 Nov 2022 18:26

Tgt Ion: 75 Resp: 21522
Ion Ratio Lower Upper
75 100
110 9.5 17.1 51.2#
77 0.0 24.4 36.6#

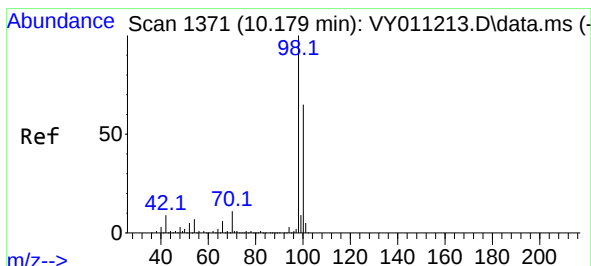
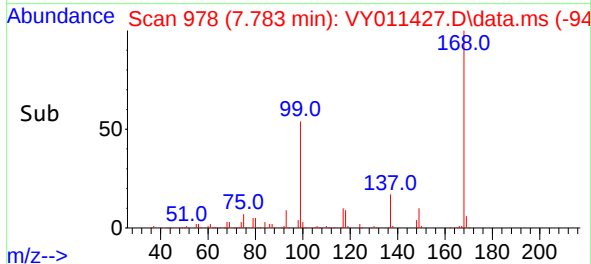
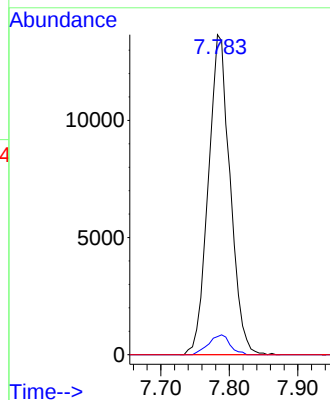
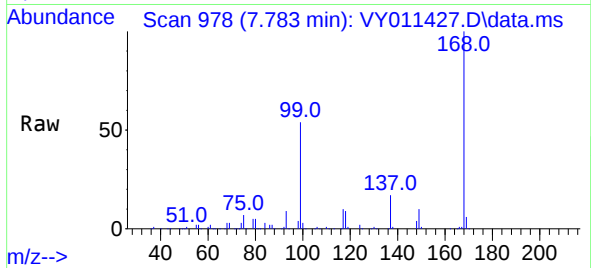




#38
Carbon Tetrachloride
Concen: 5.507 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011427.D
Acq: 11 Nov 2022 18:26

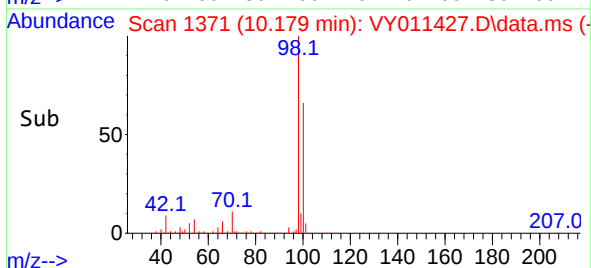
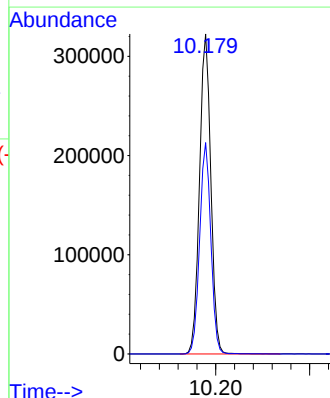
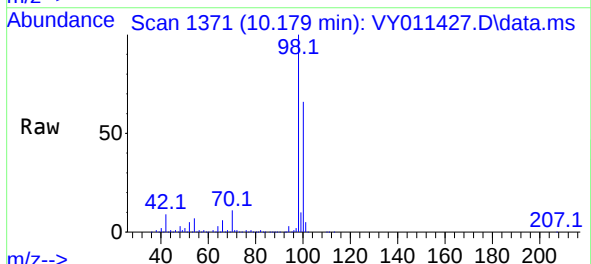
Instrument :
MSVOA_Y
ClientSampleId :
VOC

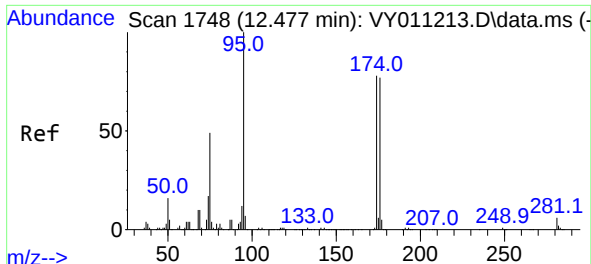
Tgt Ion:117 Resp: 30196
Ion Ratio Lower Upper
117 100
119 5.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 43.549 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011427.D
Acq: 11 Nov 2022 18:26

Tgt Ion: 98 Resp: 540321
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2

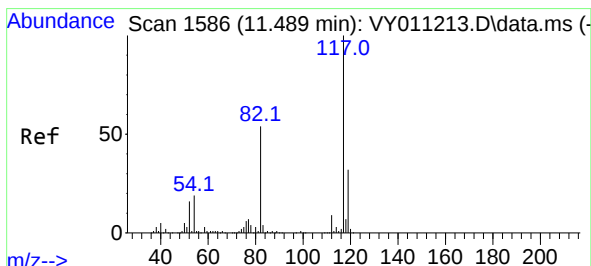
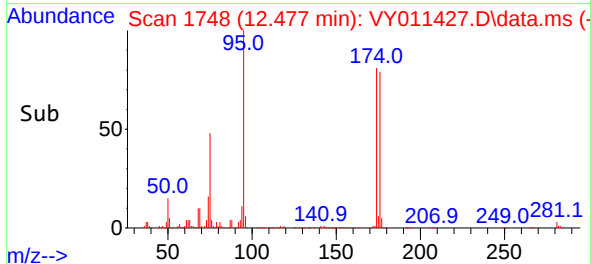
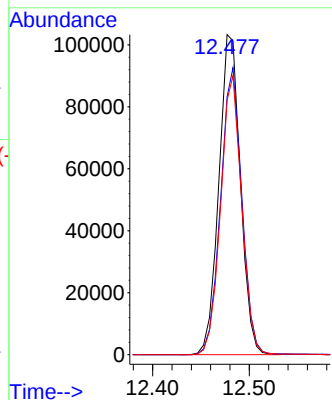
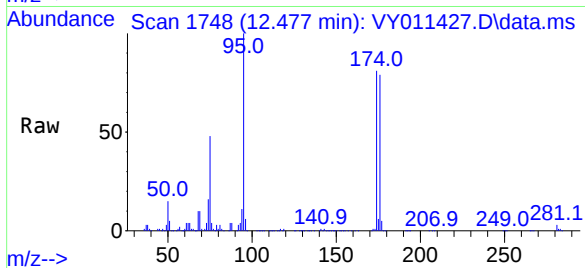




#62
4-Bromofluorobenzene
Concen: 36.773 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011427.D
Acq: 11 Nov 2022 18:26

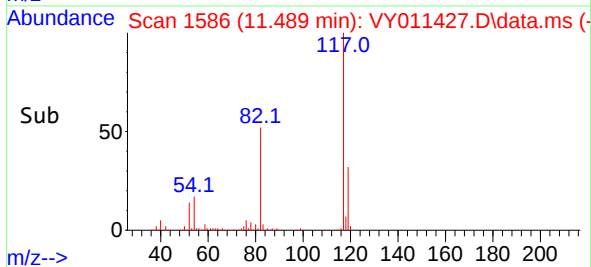
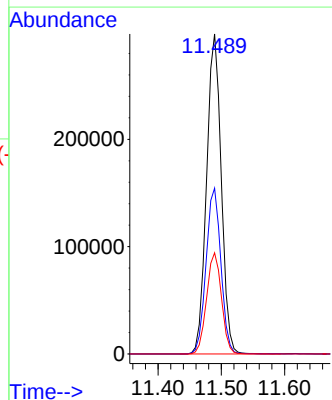
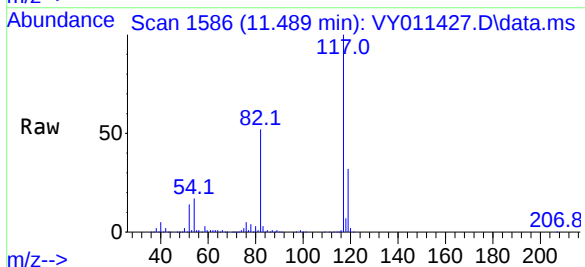
Instrument :
MSVOA_Y
ClientSampleId :
VOC

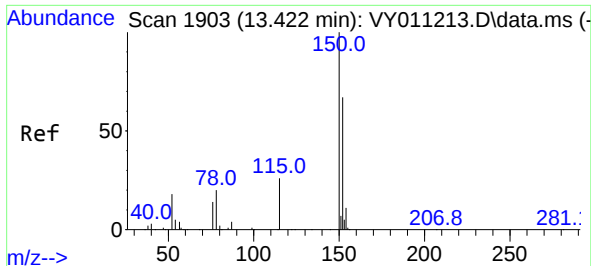
Tgt Ion: 95 Resp: 159134
Ion Ratio Lower Upper
95 100
174 88.4 0.0 177.0
176 85.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011427.D
Acq: 11 Nov 2022 18:26

Tgt Ion: 117 Resp: 481703
Ion Ratio Lower Upper
117 100
82 51.8 43.0 64.4
119 31.6 25.4 38.0

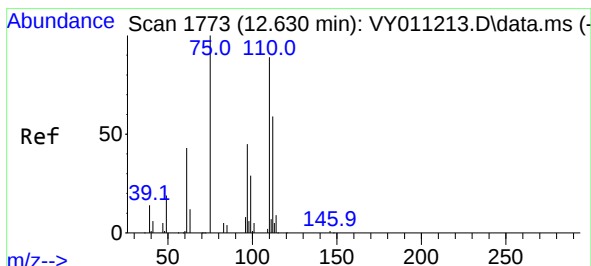
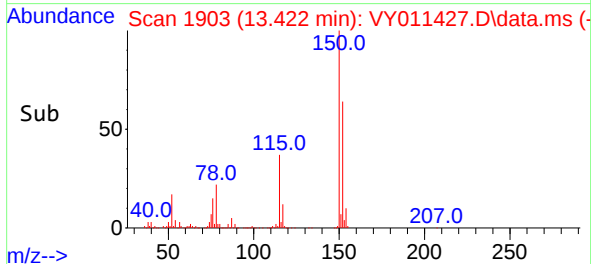
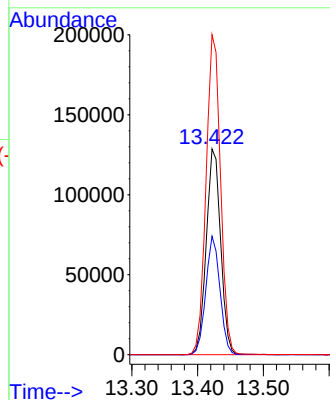
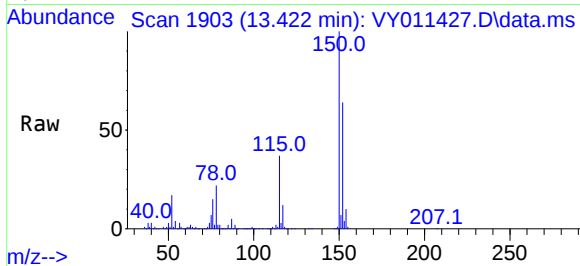




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY011427.D
 Acq: 11 Nov 2022 18:26

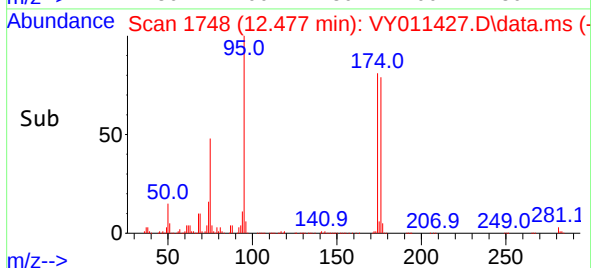
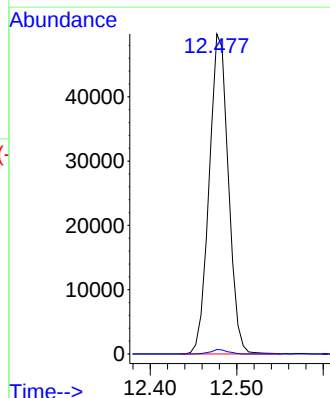
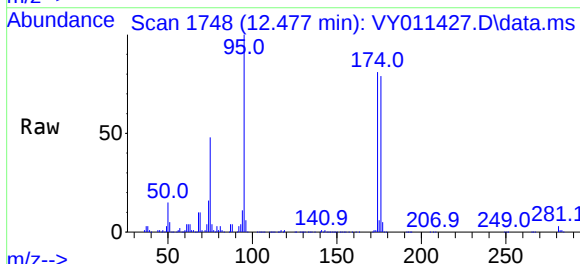
Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

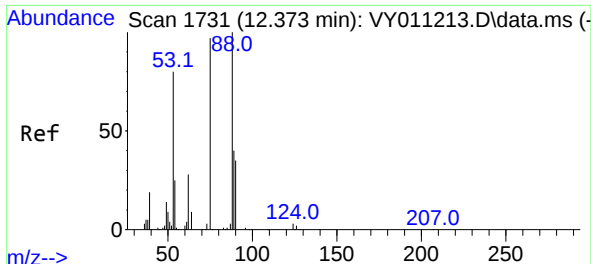
Tgt Ion:152 Resp: 195760
 Ion Ratio Lower Upper
 152 100
 115 56.7 28.2 84.7
 150 156.1 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 33.816 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY011427.D
 Acq: 11 Nov 2022 18:26

Tgt Ion: 75 Resp: 76626
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

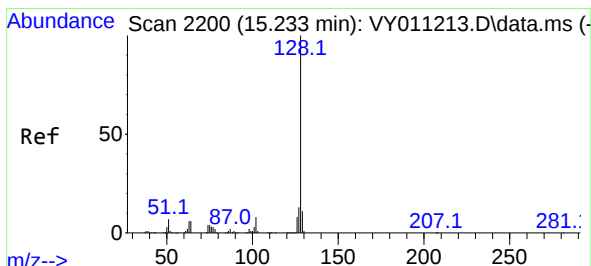
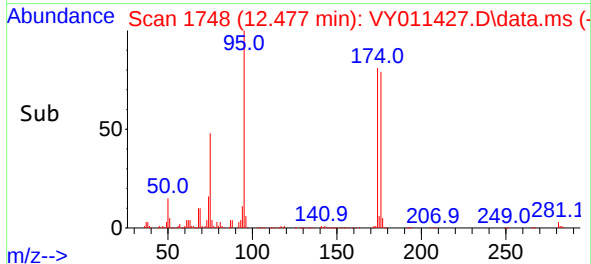
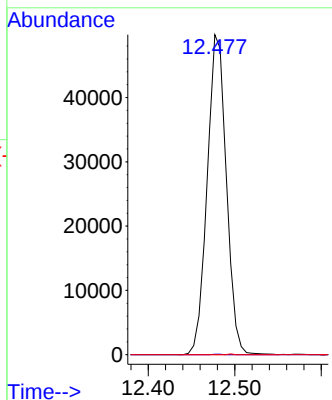
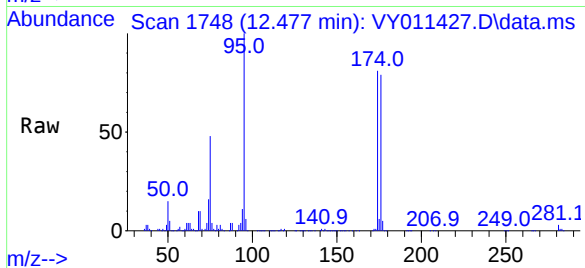




#81
trans-1,4-Dichloro-2-butene
Concen: 81.283 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011427.D
Acq: 11 Nov 2022 18:26

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 75 Resp: 76626
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 3.283 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY011427.D
Acq: 11 Nov 2022 18:26

Tgt Ion:128 Resp: 63
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

