

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122222\
 Data File : VY011981.D
 Acq On : 22 Dec 2022 17:45
 Operator : KP/MD
 Sample : N6180-03
 Misc : 7.55g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-4-3050

Quant Time: Dec 23 04:33:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

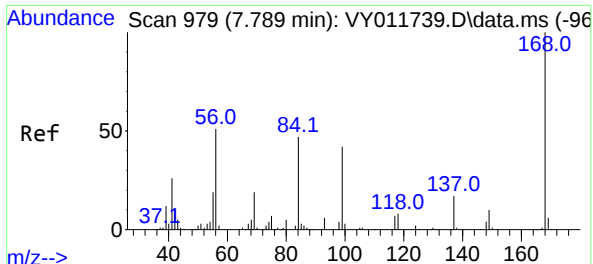
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	209008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	352483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	313237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	137560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	119268	56.640	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.280%			
35) Dibromofluoromethane	7.715	113	107995	50.892	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.780%			
50) Toluene-d8	10.178	98	420816	48.877	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.760%			
62) 4-Bromofluorobenzene	12.483	95	129516	44.728	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 89.460%			
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.912	85	53	2.498	ug/l #	41
11) Tert butyl alcohol	4.936	59	20	Below Cal	#	74
16) Acetone	3.948	43	2282	8.433	ug/l #	80
20) Methylene Chloride	4.722	84	4094	Below Cal	#	85
29) Tetrahydrofuran	7.350	42	3805	9.574	ug/l	91
31) Cyclohexane	7.783	56	3738	1.054	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	15221	4.472	ug/l #	49
38) Carbon Tetrachloride	7.789	117	20754	5.279	ug/l #	18
41) Methacrylonitrile	7.350	41	2262	3.063	ug/l #	100
51) 4-Methyl-2-Pentanone	10.178	43	1618	1.088	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	66973	39.126	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	66973	107.148	ug/l #	13
95) Naphthalene	15.239	128	143	2.805	ug/l #	69

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

Quant Time: Dec 23 04:33:20 2022
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Quant Title : SW846 8260
QLast Update : Tue Dec 20 12:37:37 2022
Response via : Initial Calibration

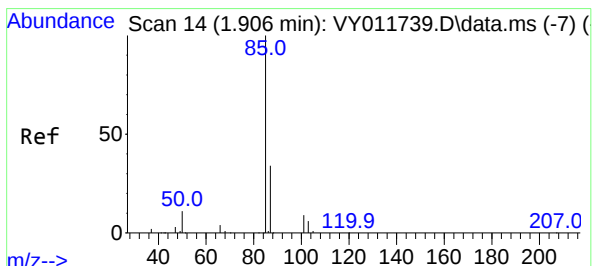
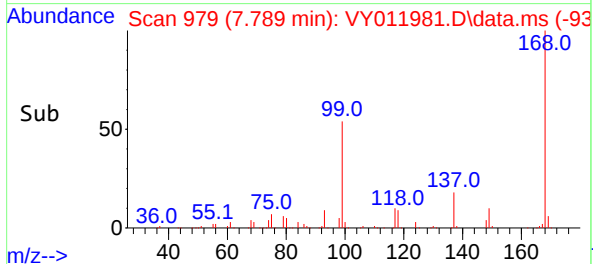
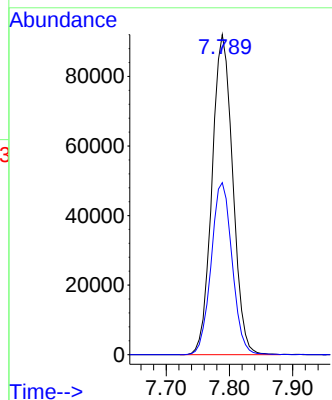
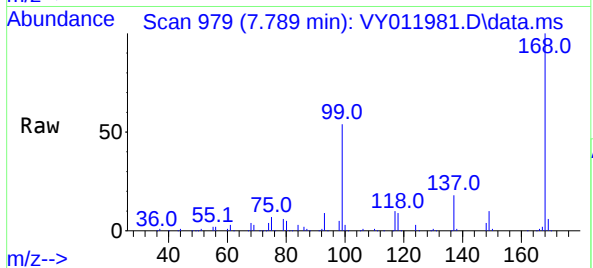




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011981.D
Acq: 22 Dec 2022 17:45

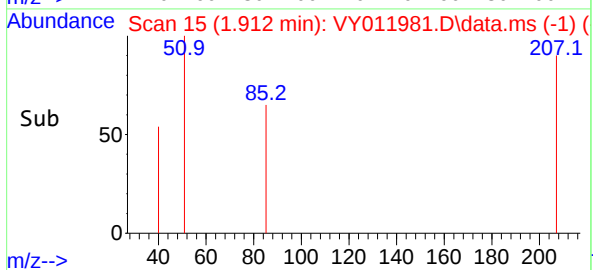
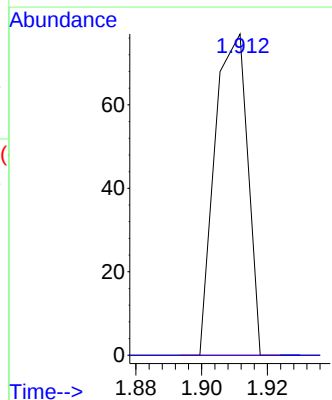
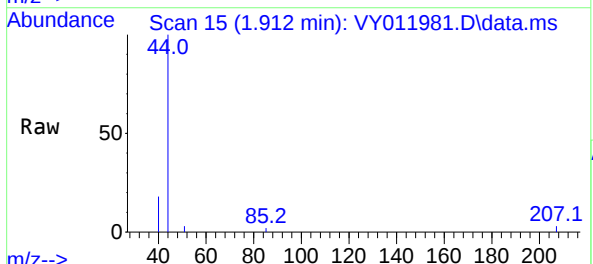
Instrument :
MSVOA_Y
ClientSampleId :
VOC-4-3050

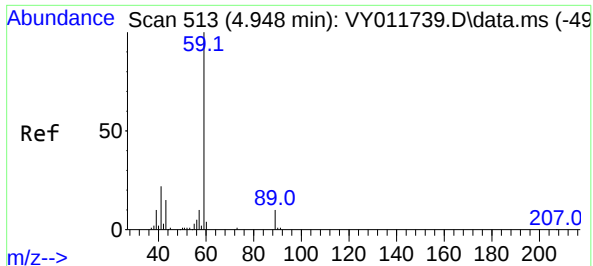
Tgt Ion:168 Resp: 209008
Ion Ratio Lower Upper
168 100
99 53.8 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.498 ug/l
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY011981.D
Acq: 22 Dec 2022 17:45

Tgt Ion: 85 Resp: 53
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

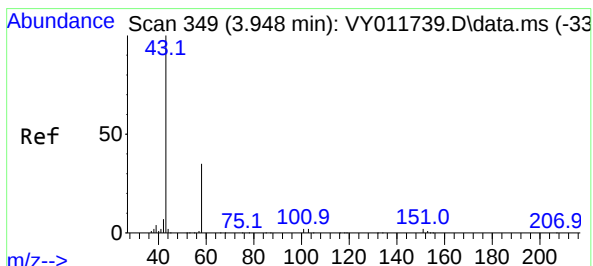
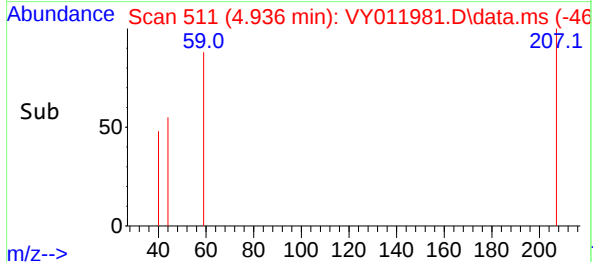
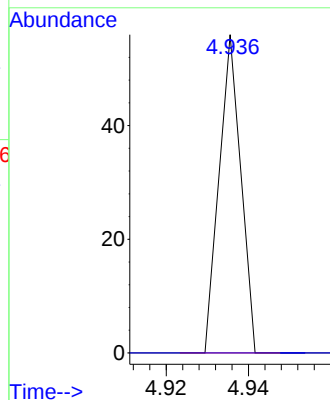
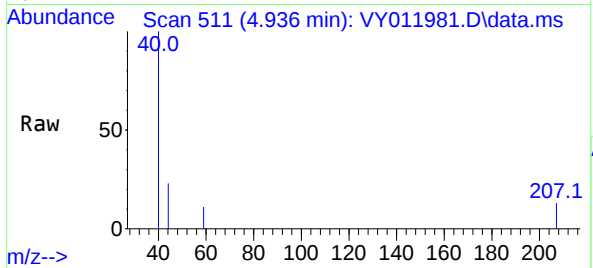




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 51
Delta R.T. -0.012 min
Lab File: VY011981.D
Acq: 22 Dec 2022 17:45

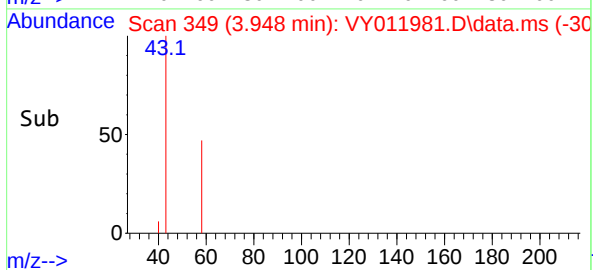
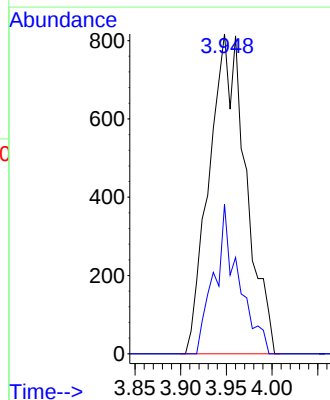
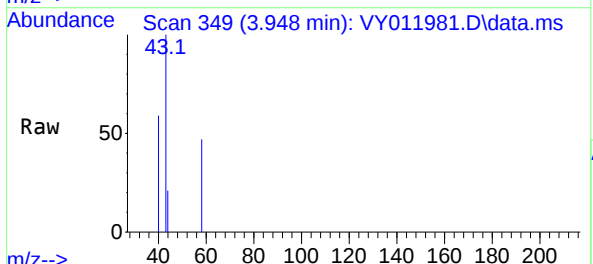
Instrument :
MSVOA_Y
ClientSampleId :
VOC-4-3050

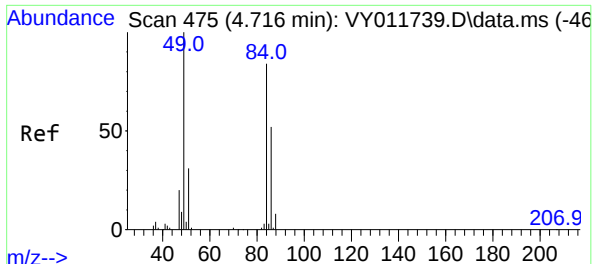
Tgt Ion: 59 Resp: 20
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 8.433 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY011981.D
Acq: 22 Dec 2022 17:45

Tgt Ion: 43 Resp: 2282
Ion Ratio Lower Upper
43 100
58 46.8 27.9 41.9#



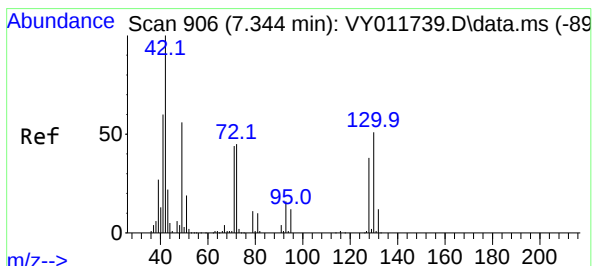
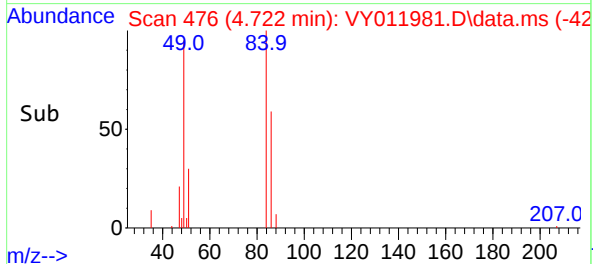
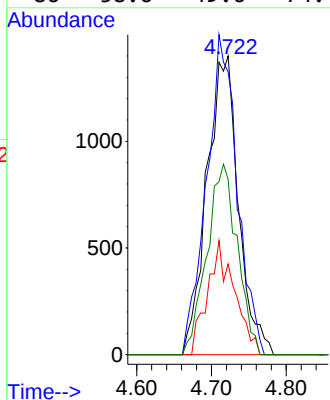
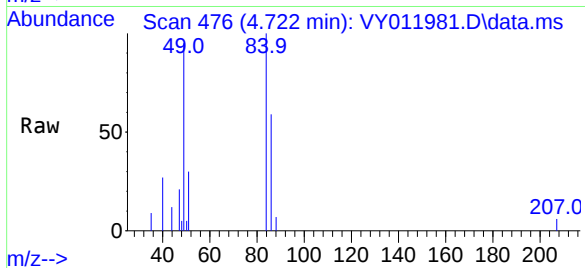


#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011981.D
Acq: 22 Dec 2022 17:45

Instrument :
MSVOA_Y
ClientSampleId :
VOC-4-3050

Tgt Ion: 84 Resp: 4094

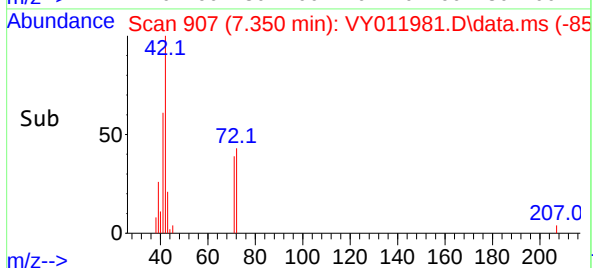
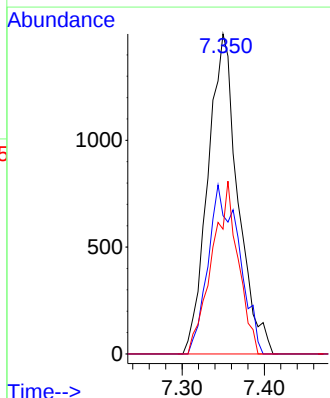
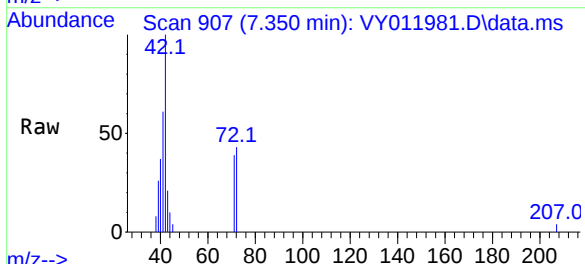
Ion	Ratio	Lower	Upper
84	100		
49	94.6	95.4	143.2#
51	30.4	29.9	44.9
86	58.6	49.6	74.4

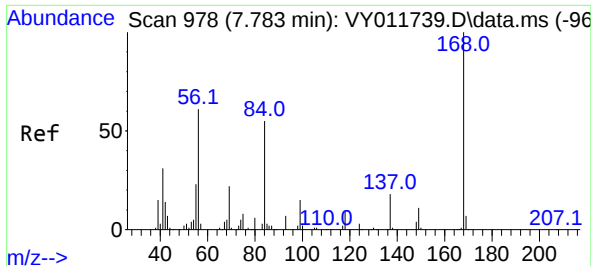


#29
Tetrahydrofuran
Concen: 9.574 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY011981.D
Acq: 22 Dec 2022 17:45

Tgt Ion: 42 Resp: 3805

Ion	Ratio	Lower	Upper
42	100		
72	54.5	37.0	55.6
71	47.0	34.9	52.3

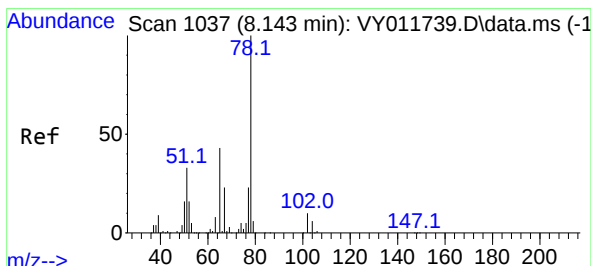
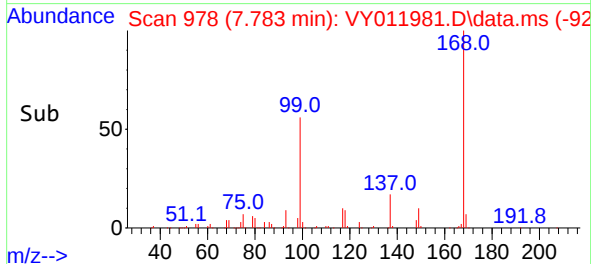
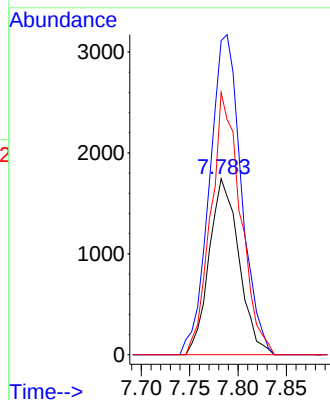
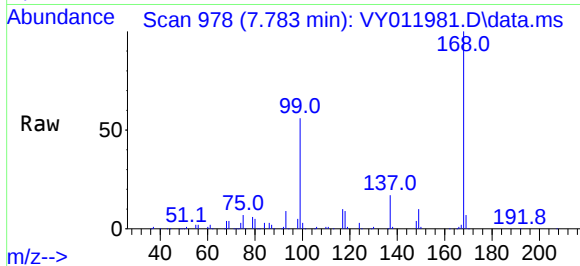




#31
Cyclohexane
Concen: 1.054 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011981.D
Acq: 22 Dec 2022 17:45

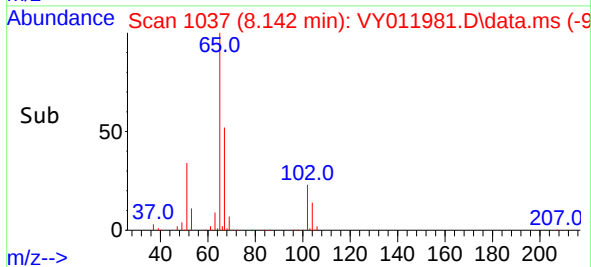
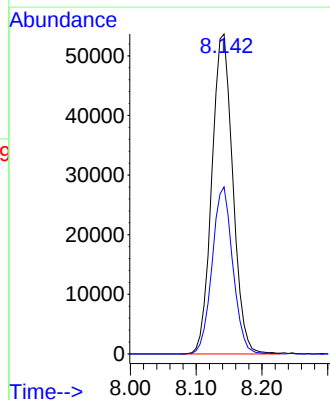
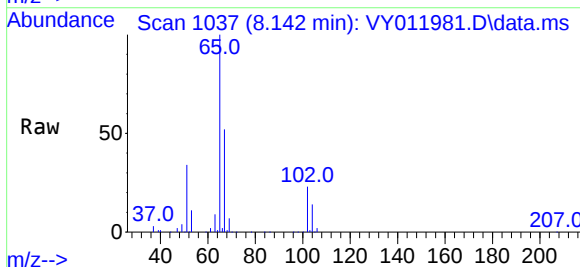
Instrument :
MSVOA_Y
ClientSampleId :
VOC-4-3050

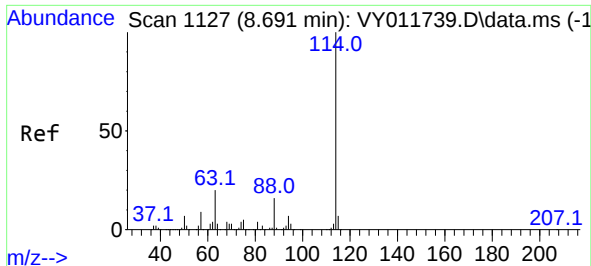
Tgt Ion: 56 Resp: 3738
Ion Ratio Lower Upper
56 100
69 178.6 29.2 43.8#
84 149.0 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 56.640 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011981.D
Acq: 22 Dec 2022 17:45

Tgt Ion: 65 Resp: 119268
Ion Ratio Lower Upper
65 100
67 51.4 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: VY011981.D

Acq: 22 Dec 2022 17:45

Instrument :

MSVOA_Y

ClientSampleId :

VOC-4-3050

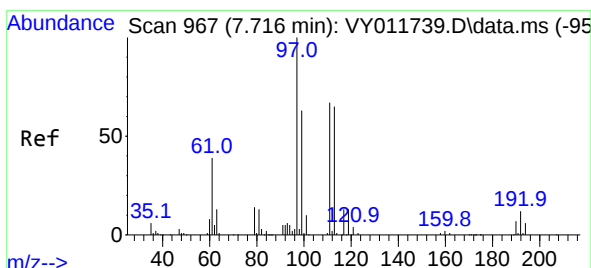
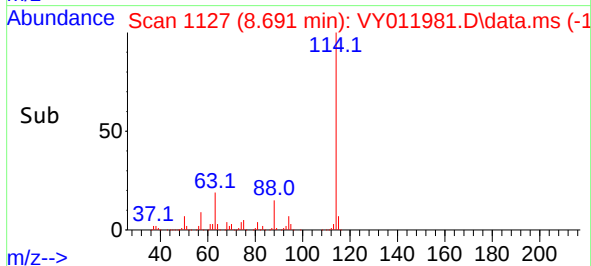
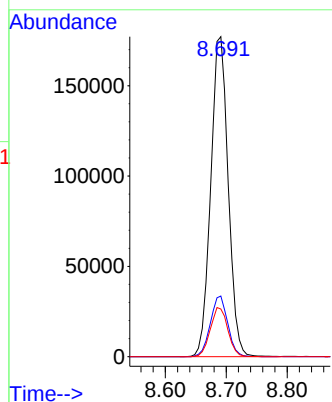
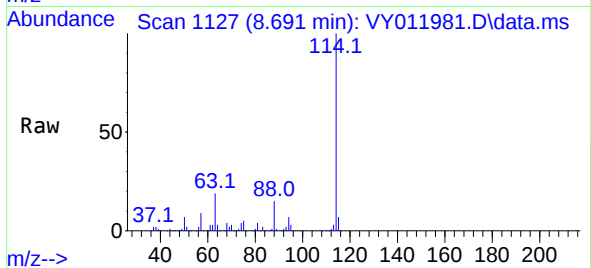
Tgt Ion:114 Resp: 352483

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.6

88 14.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 50.892 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.001 min

Lab File: VY011981.D

Acq: 22 Dec 2022 17:45

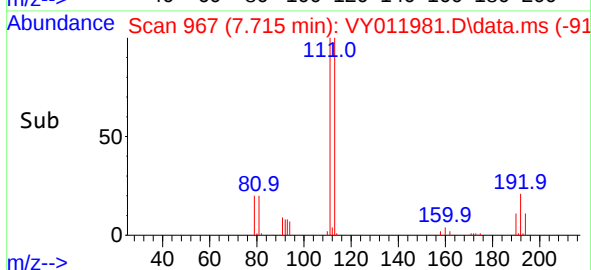
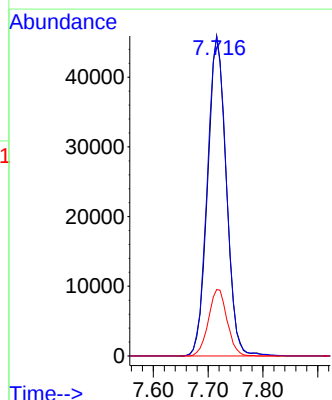
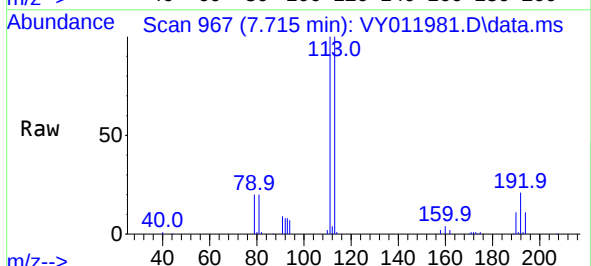
Tgt Ion:113 Resp: 107995

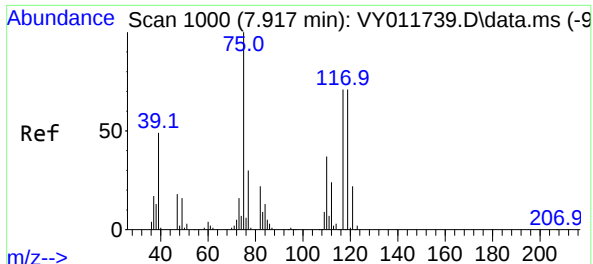
Ion Ratio Lower Upper

113 100

111 102.1 83.0 124.4

192 20.9 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.472 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011981.D

Acq: 22 Dec 2022 17:45

Instrument :

MSVOA_Y

ClientSampleId :

VOC-4-3050

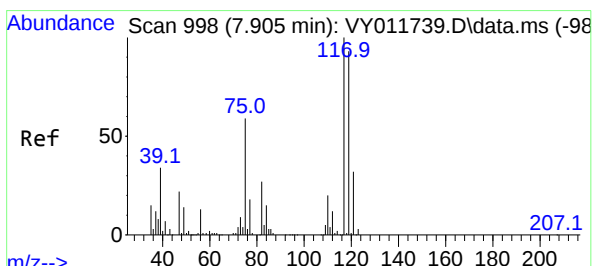
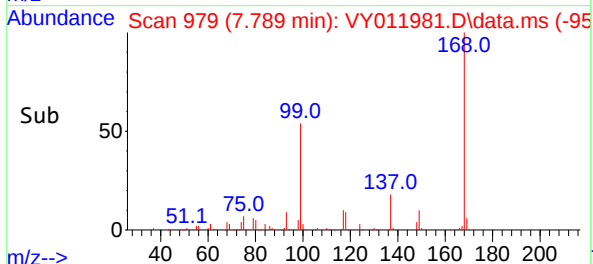
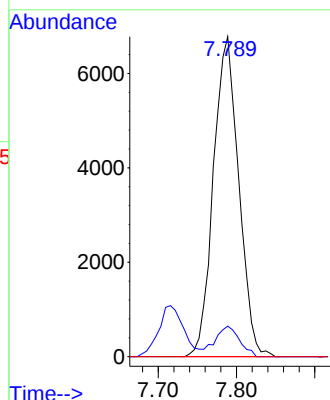
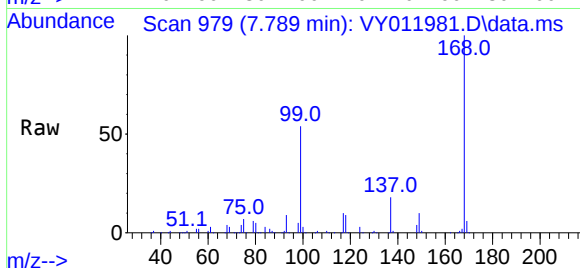
Tgt Ion: 75 Resp: 15221

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.279 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011981.D

Acq: 22 Dec 2022 17:45

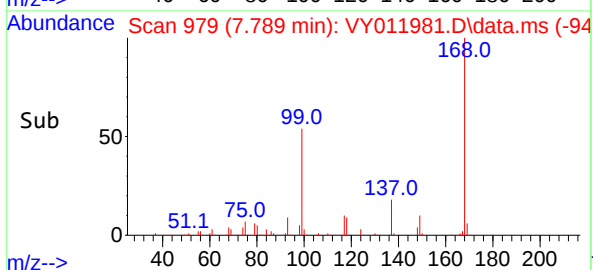
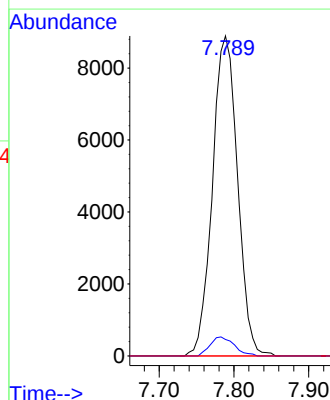
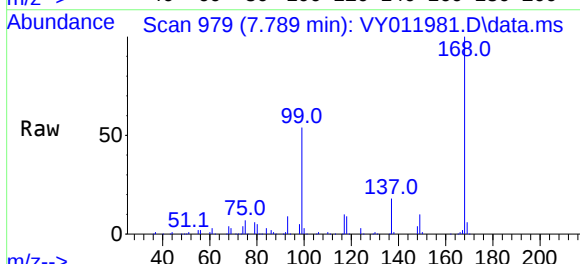
Tgt Ion: 117 Resp: 20754

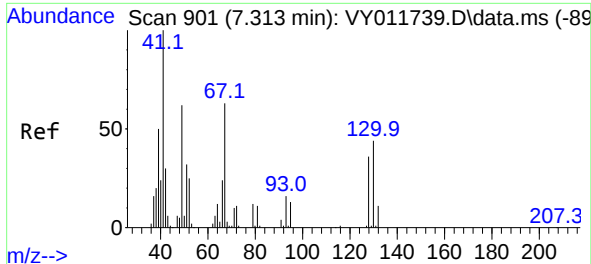
Ion Ratio Lower Upper

117 100

119 5.2 73.8 110.8#

121 0.0 25.2 37.8#

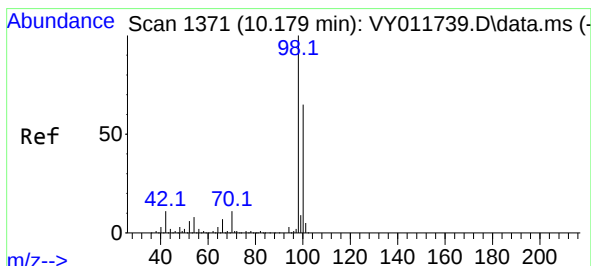
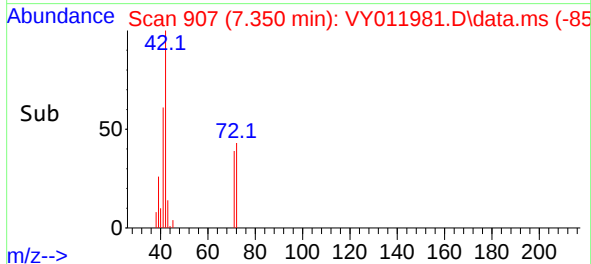
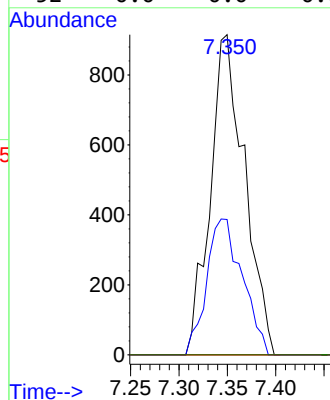
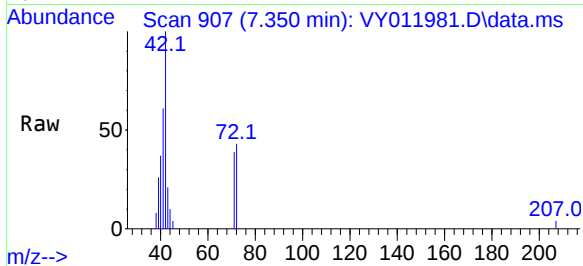




#41
Methacrylonitrile
Concen: 3.063 ug/l
RT: 7.350 min Scan# 901
Delta R.T. 0.036 min
Lab File: VY011981.D
Acq: 22 Dec 2022 17:45

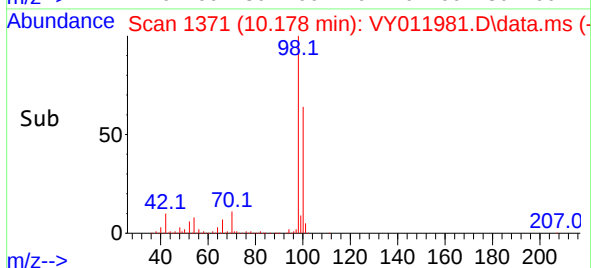
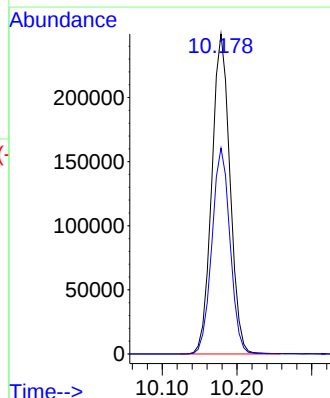
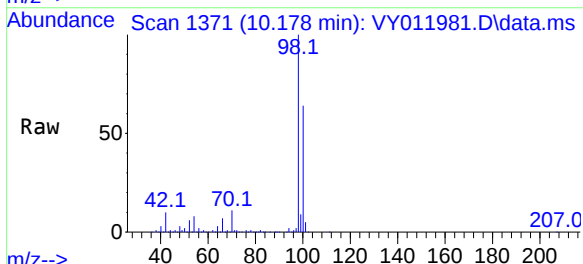
Instrument :
MSVOA_Y
ClientSampleId :
VOC-4-3050

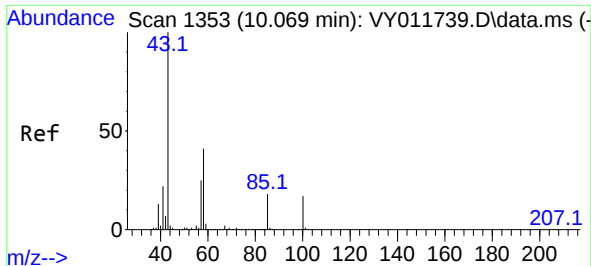
Tgt Ion: 41	Resp: 2262
Ion Ratio	Lower Upper
41 100	
39 44.2	0.0 0.0#
67 0.0	0.0 0.0
52 0.0	0.0 0.0



#50
Toluene-d8
Concen: 48.877 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY011981.D
Acq: 22 Dec 2022 17:45

Tgt Ion: 98	Resp: 420816
Ion Ratio	Lower Upper
98 100	
100 64.2	51.9 77.9

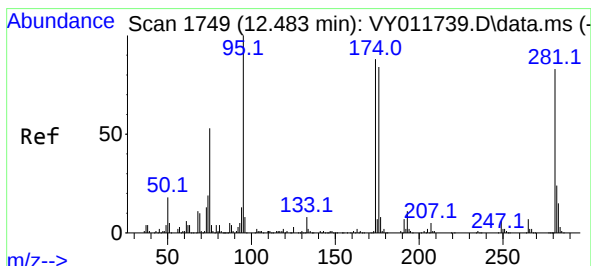
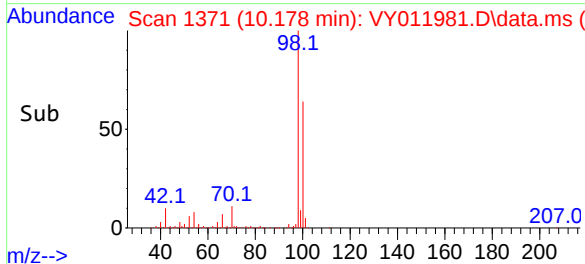
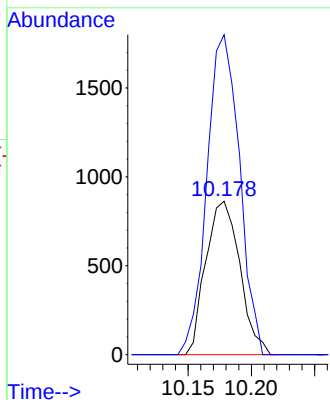
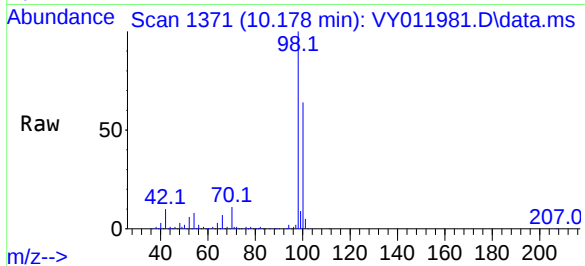




#51
4-Methyl-2-Pentanone
Concen: 1.088 ug/l
RT: 10.178 min Scan# 1353
Delta R.T. 0.109 min
Lab File: VY011981.D
Acq: 22 Dec 2022 17:45

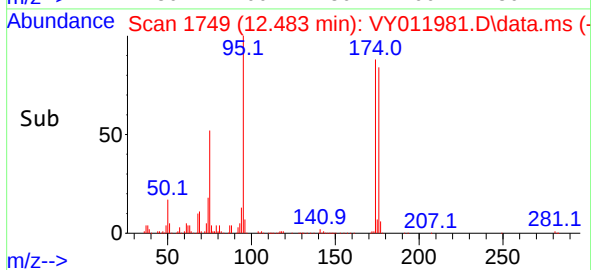
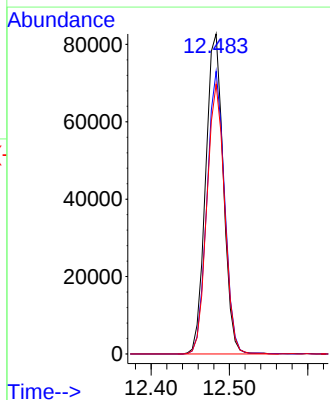
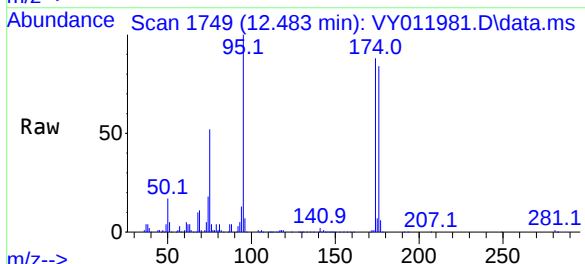
Instrument :
MSVOA_Y
ClientSampleId :
VOC-4-3050

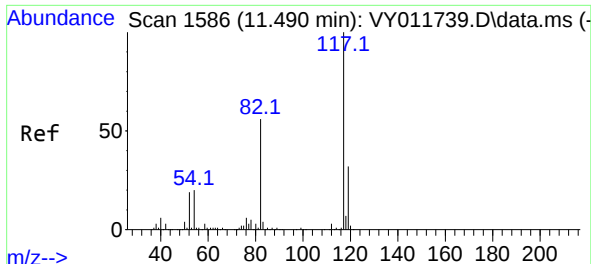
Tgt Ion: 43 Resp: 1618
Ion Ratio Lower Upper
43 100
58 199.2 32.9 49.3#



#62
4-Bromofluorobenzene
Concen: 44.728 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY011981.D
Acq: 22 Dec 2022 17:45

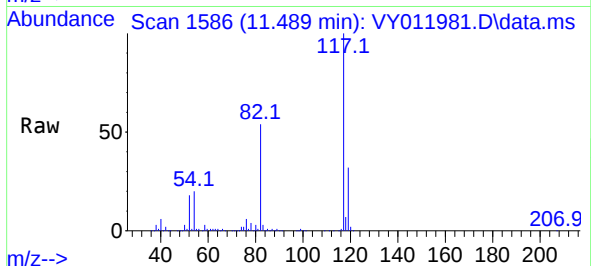
Tgt Ion: 95 Resp: 129516
Ion Ratio Lower Upper
95 100
174 88.0 0.0 172.0
176 84.4 0.0 167.6



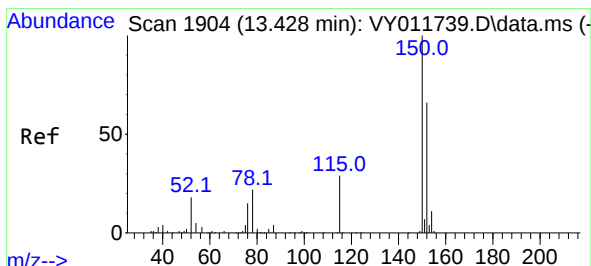
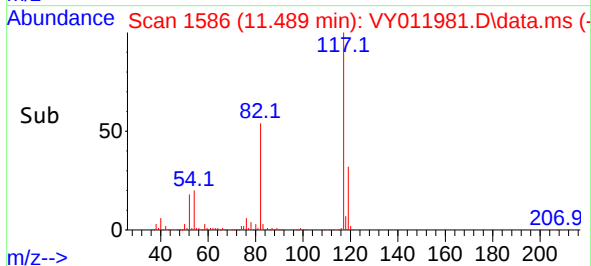
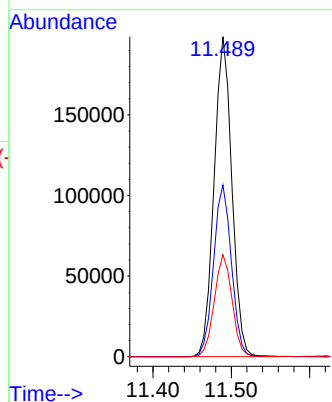


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1158
Delta R.T. -0.000 min
Lab File: VY011981.D
Acq: 22 Dec 2022 17:45

Instrument :
MSVOA_Y
ClientSampleId :
VOC-4-3050

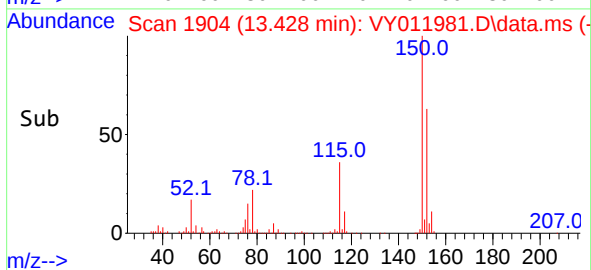
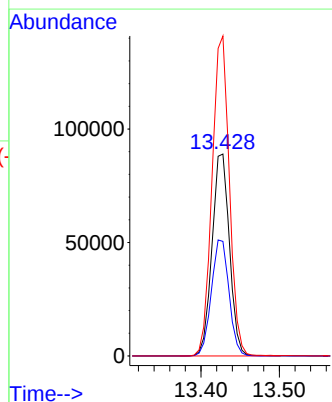
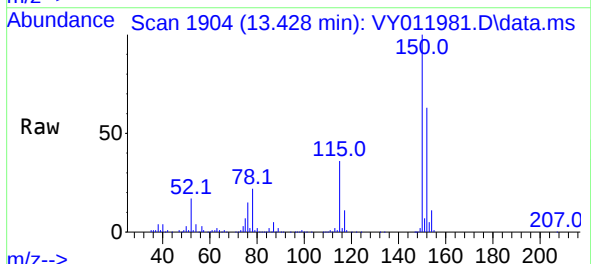


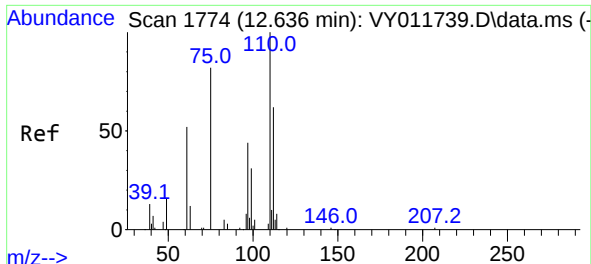
Tgt Ion:117 Resp: 313237
Ion Ratio Lower Upper
117 100
82 53.6 44.8 67.2
119 31.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011981.D
Acq: 22 Dec 2022 17:45

Tgt Ion:152 Resp: 137560
Ion Ratio Lower Upper
152 100
115 58.1 29.1 87.3
150 157.3 0.0 342.6

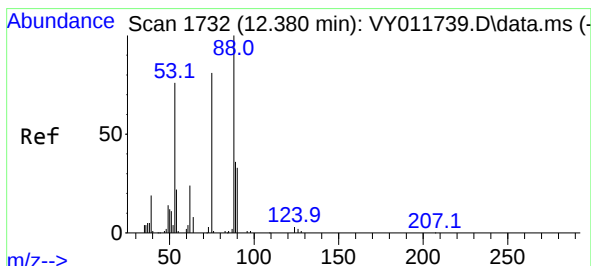
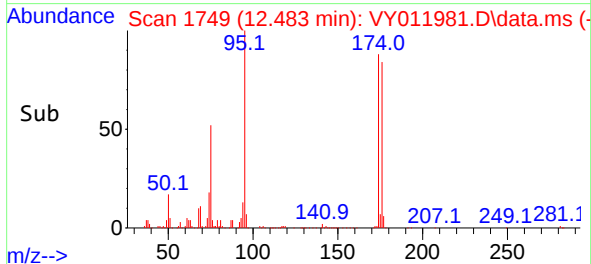
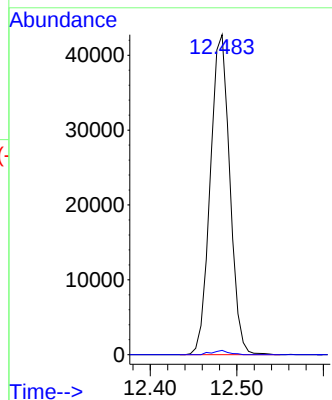
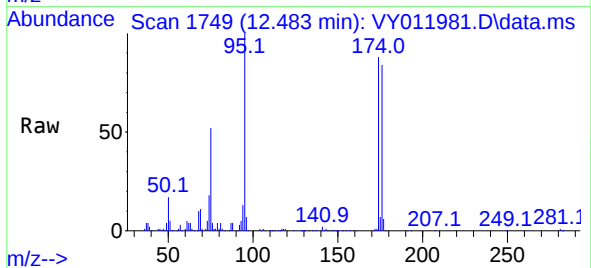




#76
1,2,3-Trichloropropane
Concen: 39.126 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011981.D
Acq: 22 Dec 2022 17:45

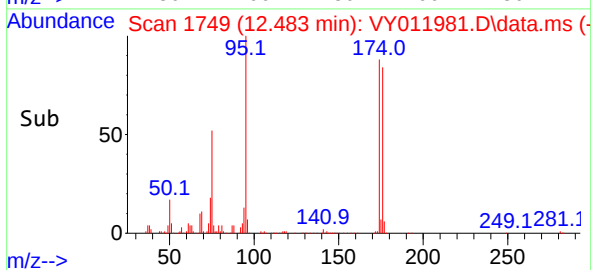
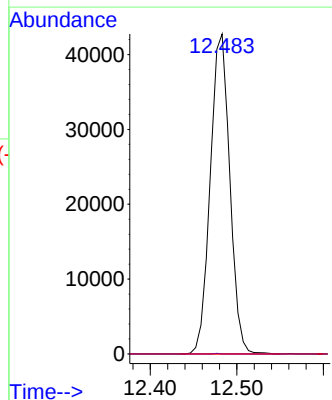
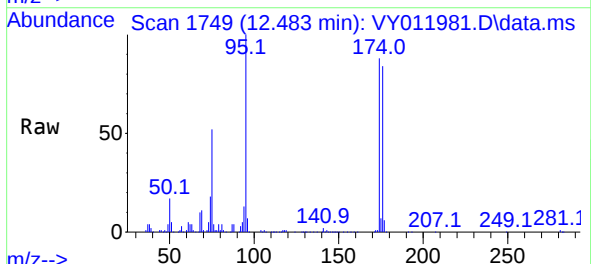
Instrument :
MSVOA_Y
ClientSampleId :
VOC-4-3050

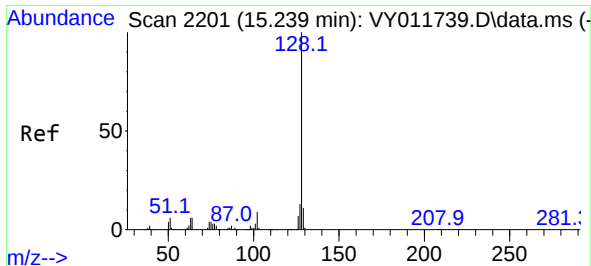
Tgt Ion: 75 Resp: 66973
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.148 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011981.D
Acq: 22 Dec 2022 17:45

Tgt Ion: 75 Resp: 66973
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 2.805 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY011981.D

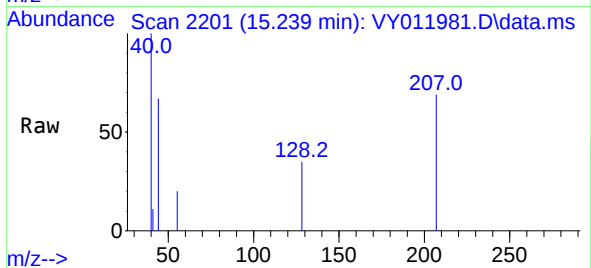
Acq: 22 Dec 2022 17:45

Instrument :

MSVOA_Y

ClientSampleId :

VOC-4-3050



Tgt Ion:128 Resp: 143

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.8 13.2#

