

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122222\
 Data File : VY011978.D
 Acq On : 22 Dec 2022 16:35
 Operator : KP/MD
 Sample : N6160-03RE
 Misc : 4.47g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-7-3051

Quant Time: Dec 23 04:32:53 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)

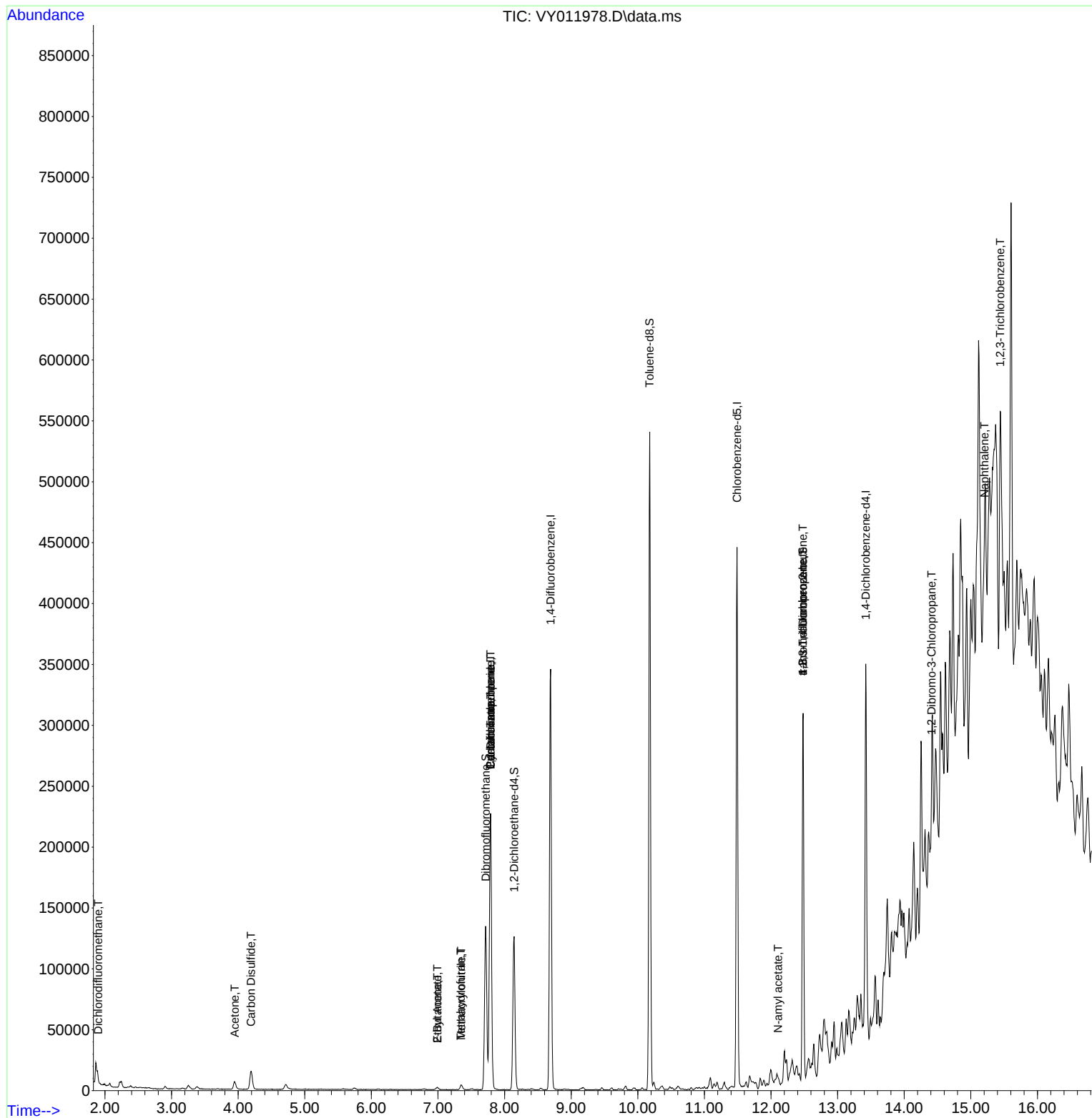
Internal Standards						
1) Pentafluorobenzene	7.789	168	178587	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	302958	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	246191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	81448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	101383	56.348	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.700%	
35) Dibromofluoromethane	7.716	113	93650	51.346	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.700%	
50) Toluene-d8	10.179	98	353877	47.821	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.640%	
62) 4-Bromofluorobenzene	12.477	95	91731	36.858	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 73.720%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	69	2.513	ug/l #	41
11) Tert butyl alcohol	4.917	59	18	Below Cal	#	74
16) Acetone	3.948	43	10886	24.745	ug/l	94
17) Carbon Disulfide	4.192	76	30942	5.741	ug/l	98
20) Methylene Chloride	4.716	84	2885	Below Cal		97
25) 2-Butanone	6.990	43	3127	5.217	ug/l	98
29) Tetrahydrofuran	7.344	42	2959	8.714	ug/l	93
31) Cyclohexane	7.789	56	3946	1.303	ug/l #	15
36) 1,1-Dichloropropene	7.789	75	12858	4.395	ug/l #	49
37) Ethyl Acetate	6.990	43	3127	2.382	ug/l #	68
38) Carbon Tetrachloride	7.789	117	17812	5.272	ug/l #	17
41) Methacrylonitrile	7.350	41	1862	2.934	ug/l #	100
74) N-amyl acetate	12.105	43	2113	1.705	ug/l #	20
76) 1,2,3-Trichloropropane	12.477	75	48145	47.504	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	48145	130.091	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	14.410	75	208	1.200	ug/l #	1
95) Naphthalene	15.202	128	3921	4.013	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.440	180	4337	3.557	ug/l #	1

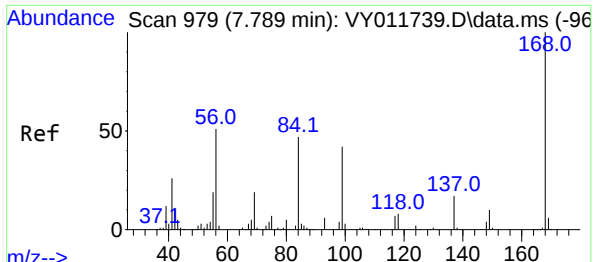
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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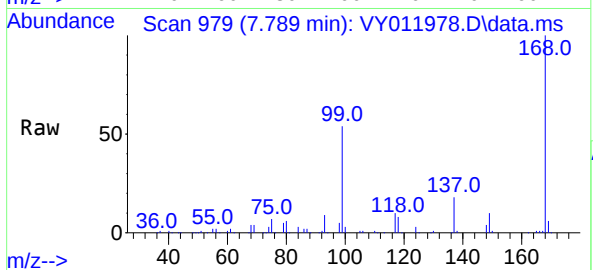
Quant Time: Dec 23 04:32:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 20 12:37:37 2022
Response via : Initial Calibration



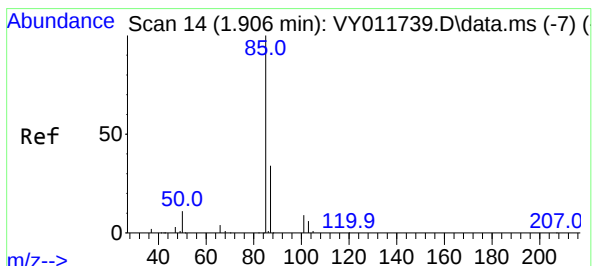
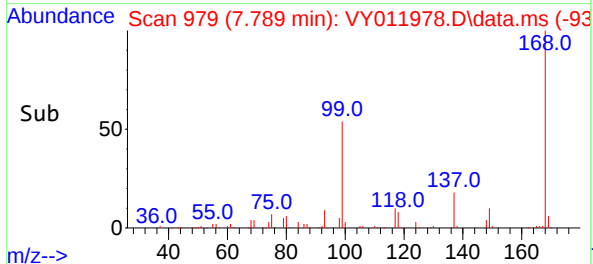
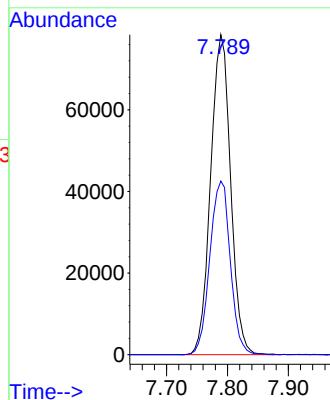


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011978.D
Acq: 22 Dec 2022 16:35

Instrument :
MSVOA_Y
ClientSampleId :
VOC-7-3051

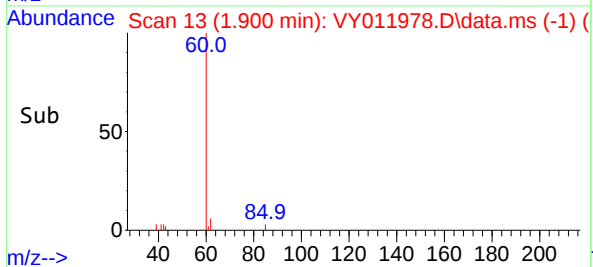
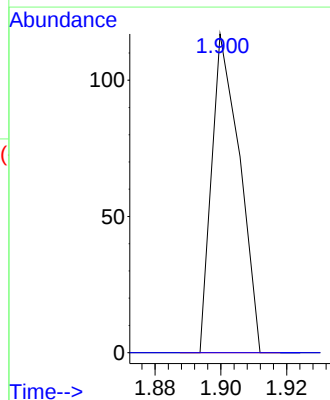
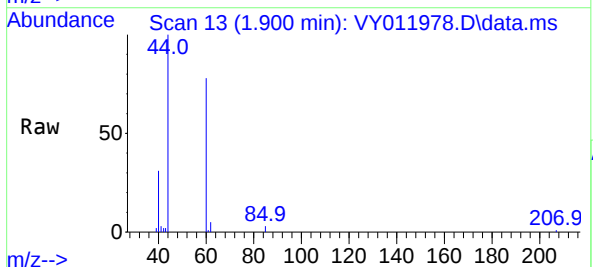


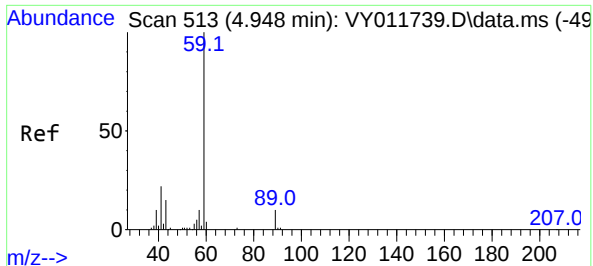
Tgt Ion:168 Resp: 178587
Ion Ratio Lower Upper
168 100
99 54.2 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.513 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011978.D
Acq: 22 Dec 2022 16:35

Tgt Ion: 85 Resp: 69
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.917 min Scan# 50

Delta R.T. -0.031 min

Lab File: VY011978.D

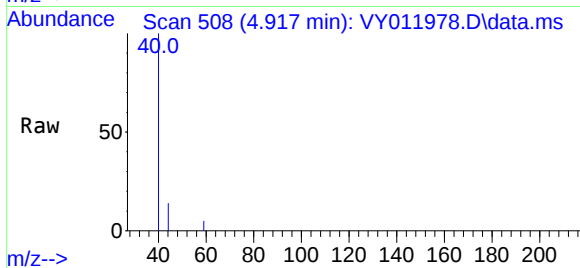
Acq: 22 Dec 2022 16:35

Instrument :

MSVOA_Y

ClientSampleId :

VOC-7-3051

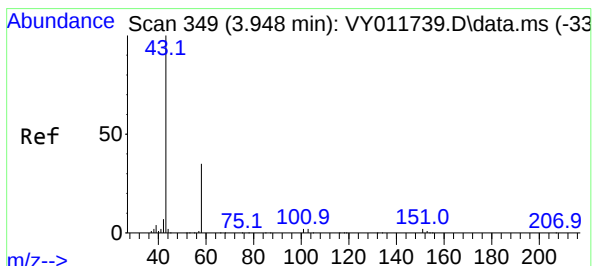
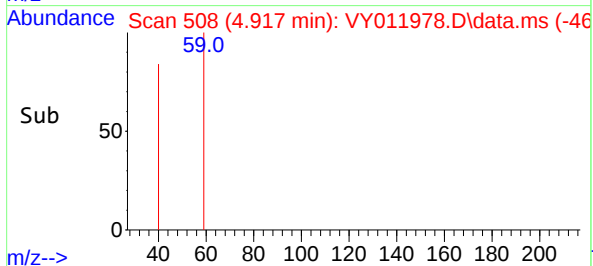
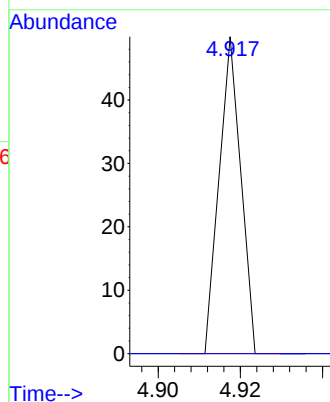


Tgt Ion: 59 Resp: 18

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 24.745 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY011978.D

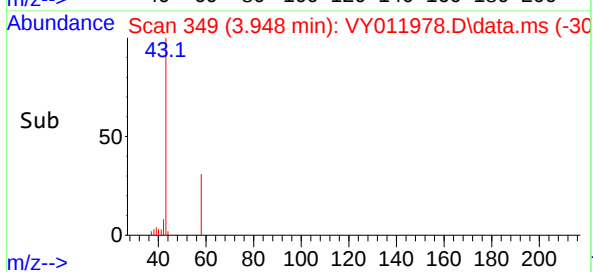
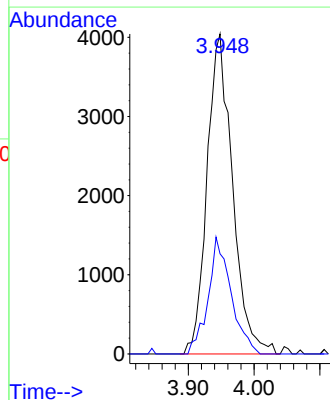
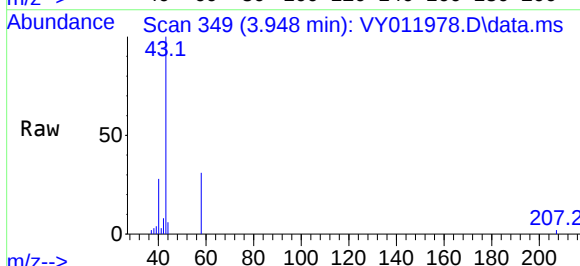
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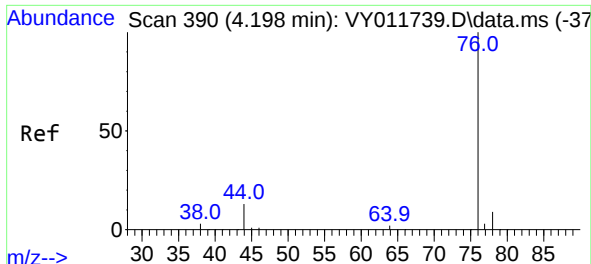
Tgt Ion: 43 Resp: 10886

Ion Ratio Lower Upper

43 100

58 31.3 27.9 41.9

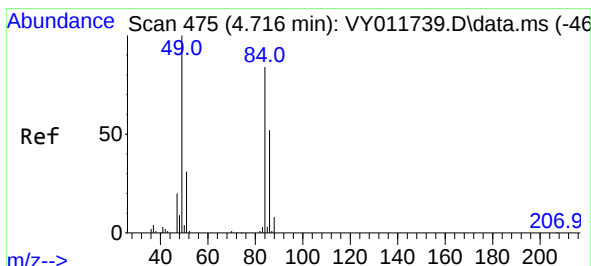
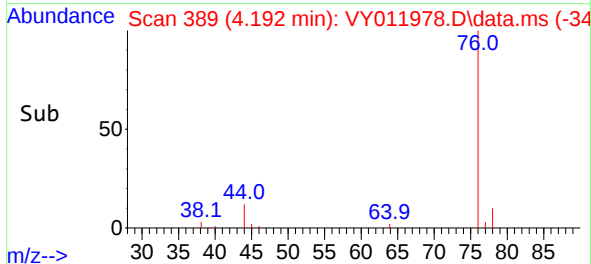
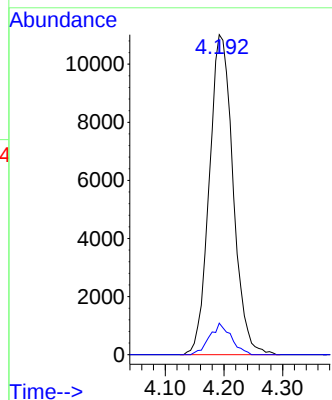
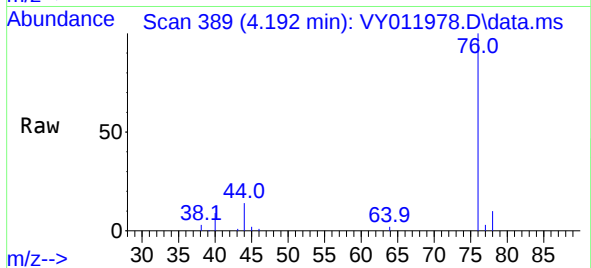




#17
Carbon Disulfide
Concen: 5.741 ug/l
RT: 4.192 min Scan# 30
Delta R.T. -0.006 min
Lab File: VY011978.D
Acq: 22 Dec 2022 16:35

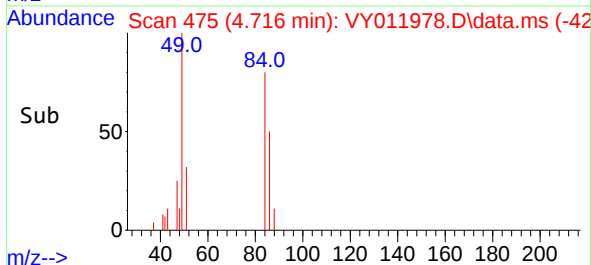
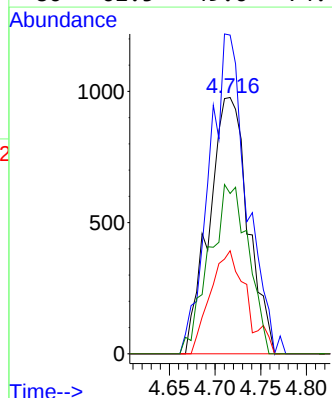
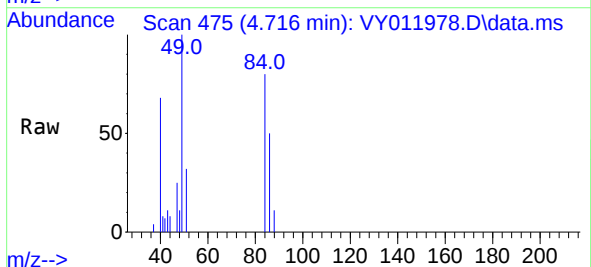
Instrument :
MSVOA_Y
ClientSampleId :
VOC-7-3051

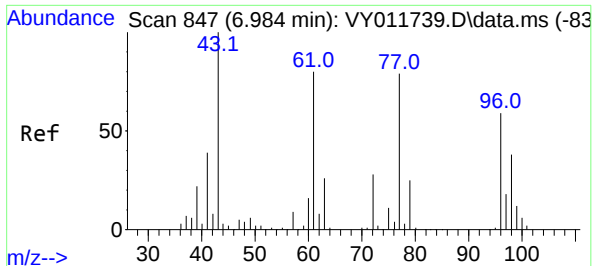
Tgt Ion: 76 Resp: 30942
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011978.D
Acq: 22 Dec 2022 16:35

Tgt Ion: 84 Resp: 2885
Ion Ratio Lower Upper
84 100
49 124.4 95.4 143.2
51 40.2 29.9 44.9
86 62.5 49.6 74.4





#25

2-Butanone

Concen: 5.217 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY011978.D

Acq: 22 Dec 2022 16:35

Instrument :

MSVOA_Y

ClientSampleId :

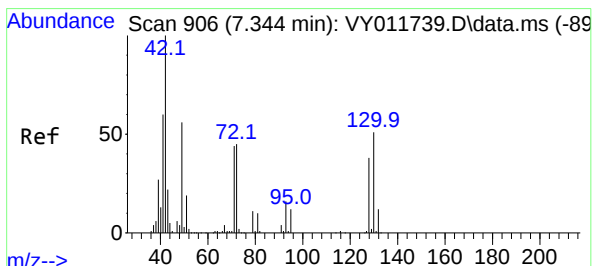
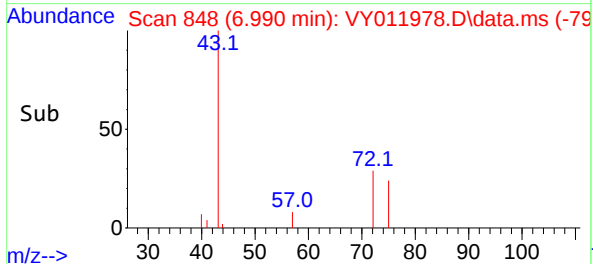
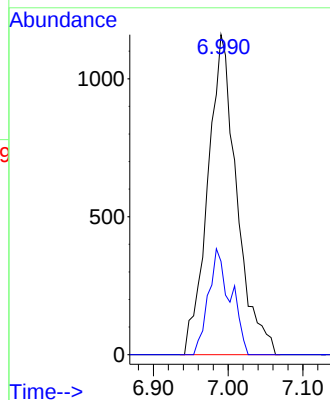
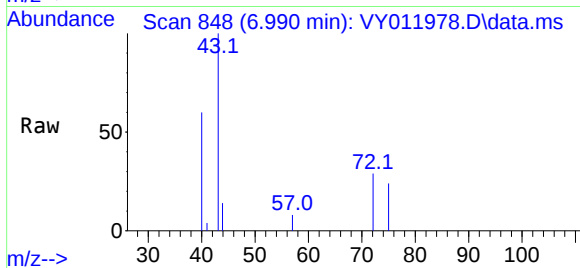
VOC-7-3051

Tgt Ion: 43 Resp: 3127

Ion Ratio Lower Upper

43 100

72 29.1 22.6 34.0



#29

Tetrahydrofuran

Concen: 8.714 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY011978.D

Acq: 22 Dec 2022 16:35

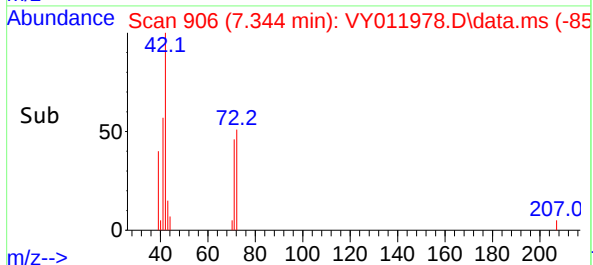
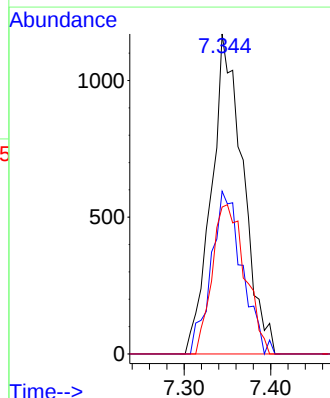
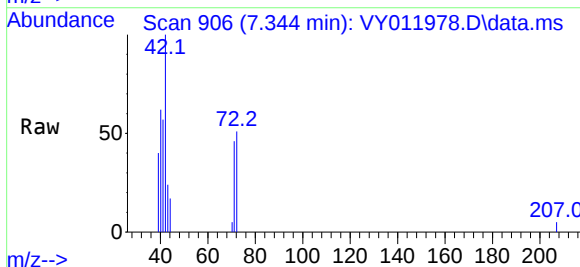
Tgt Ion: 42 Resp: 2959

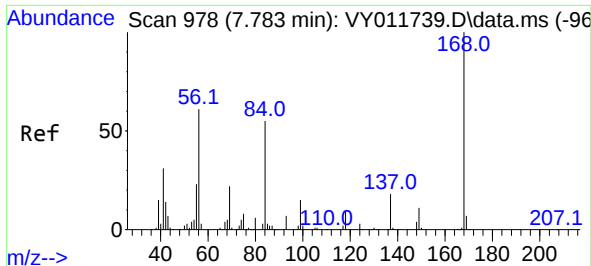
Ion Ratio Lower Upper

42 100

72 49.9 37.0 55.6

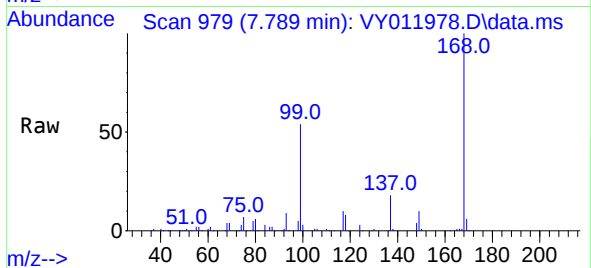
71 48.7 34.9 52.3



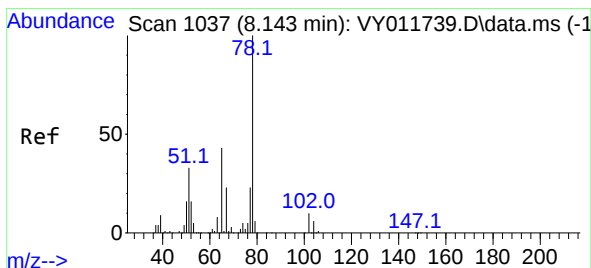
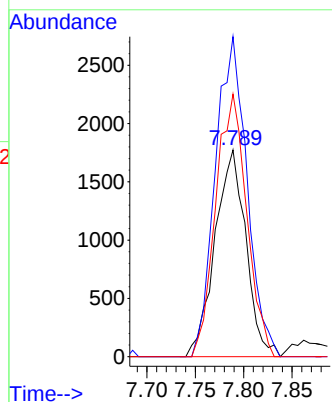
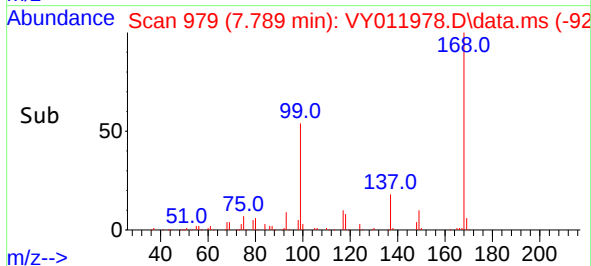


#31
Cyclohexane
Concen: 1.303 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011978.D
Acq: 22 Dec 2022 16:35

Instrument :
MSVOA_Y
ClientSampleId :
VOC-7-3051

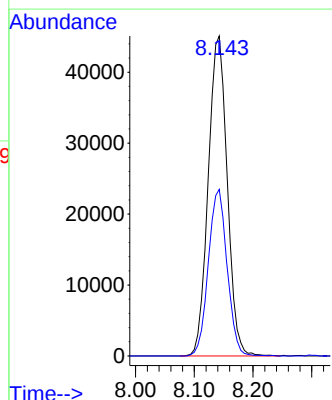
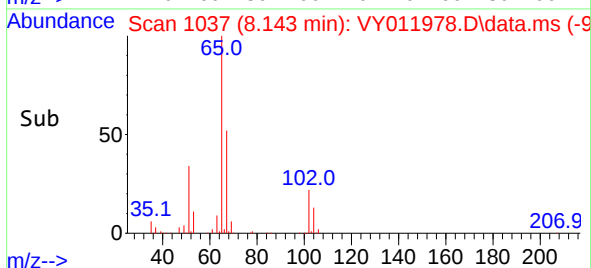
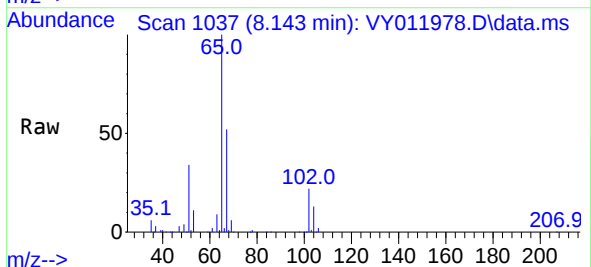


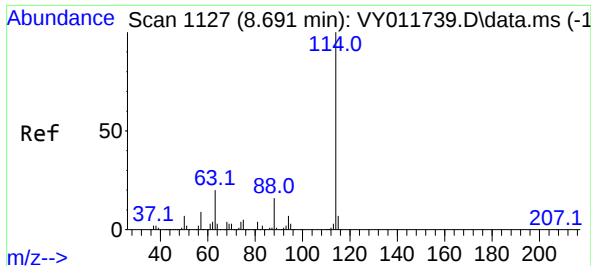
Tgt Ion: 56 Resp: 3946
Ion Ratio Lower Upper
56 100
69 154.8 29.2 43.8#
84 127.0 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 56.348 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011978.D
Acq: 22 Dec 2022 16:35

Tgt Ion: 65 Resp: 101383
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.2



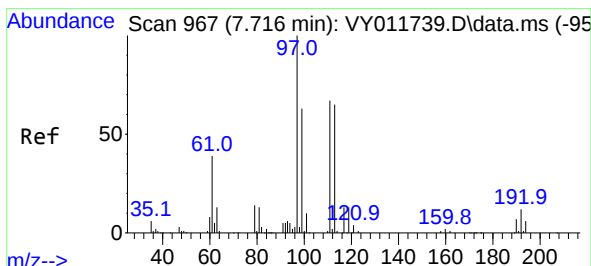
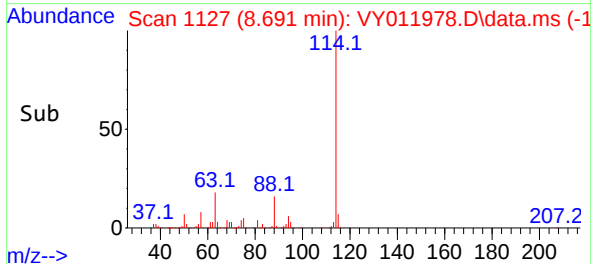
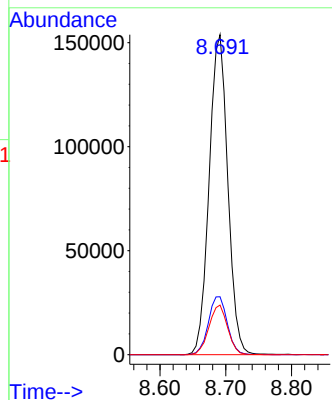
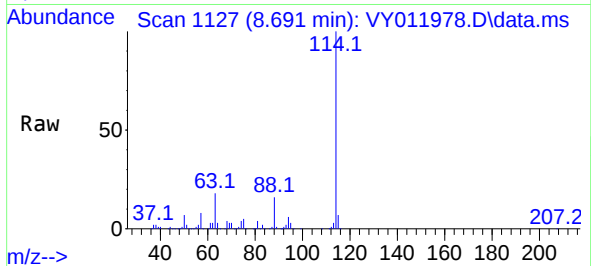


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY011978.D
Acq: 22 Dec 2022 16:35

Instrument :
MSVOA_Y
ClientSampleId :
VOC-7-3051

Tgt Ion:114 Resp: 302958

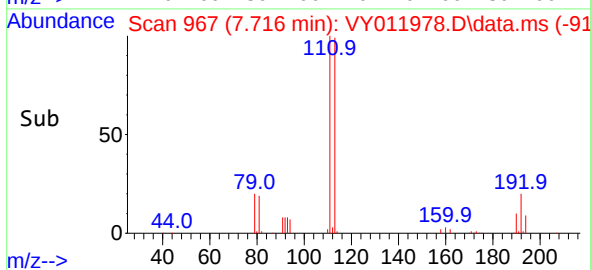
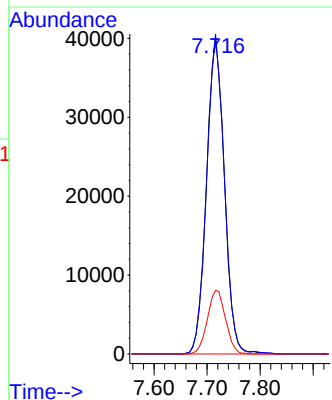
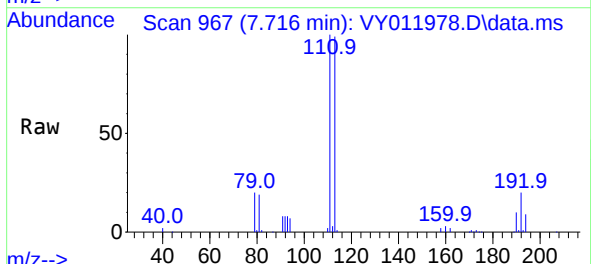
Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	39.6
88	15.5	0.0	32.2

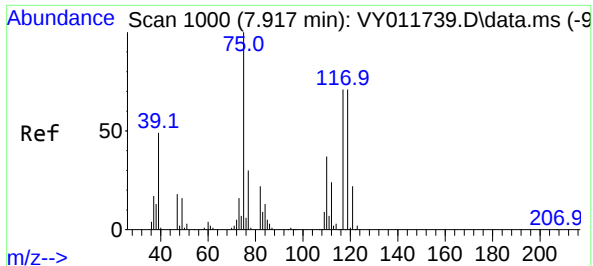


#35
Dibromofluoromethane
Concen: 51.346 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY011978.D
Acq: 22 Dec 2022 16:35

Tgt Ion:113 Resp: 93650

Ion	Ratio	Lower	Upper
113	100		
111	100.0	83.0	124.4
192	20.4	16.0	24.0





#36

1,1-Dichloropropene

Concen: 4.395 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011978.D

Acq: 22 Dec 2022 16:35

Instrument :

MSVOA_Y

ClientSampleId :

VOC-7-3051

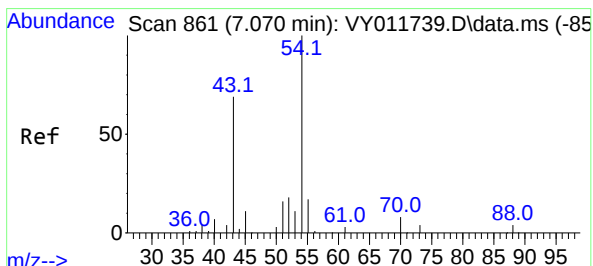
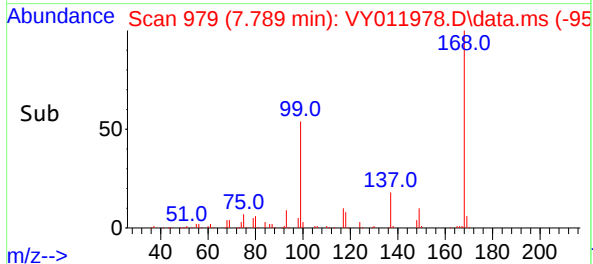
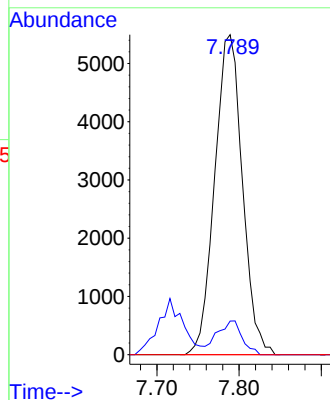
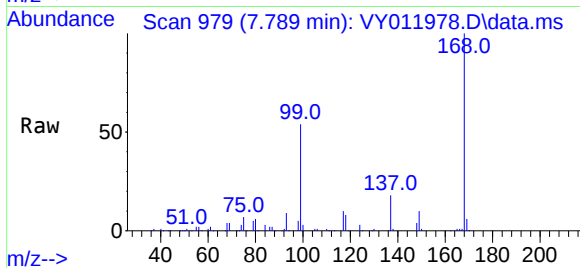
Tgt Ion: 75 Resp: 12858

Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.1#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 2.382 ug/l

RT: 6.990 min Scan# 848

Delta R.T. -0.080 min

Lab File: VY011978.D

Acq: 22 Dec 2022 16:35

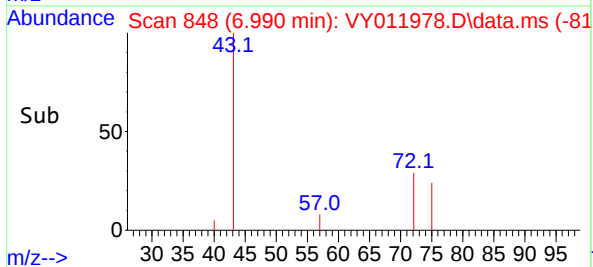
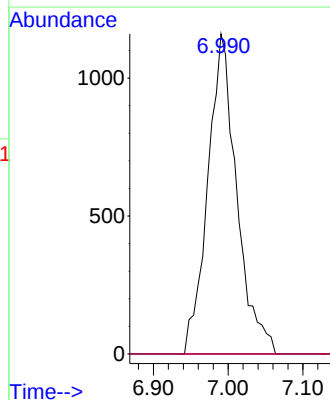
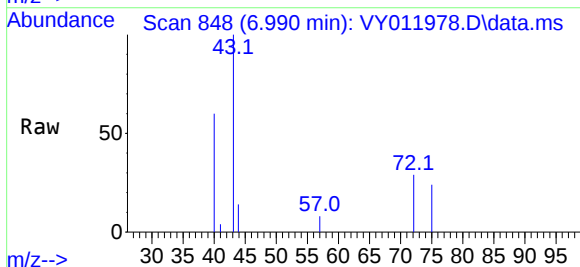
Tgt Ion: 43 Resp: 3127

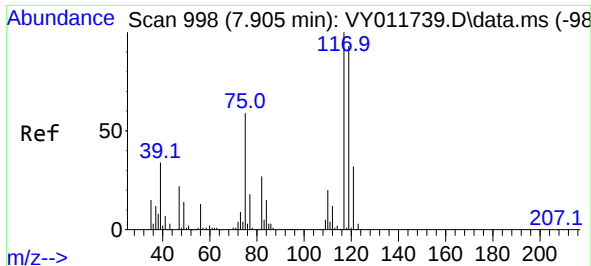
Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

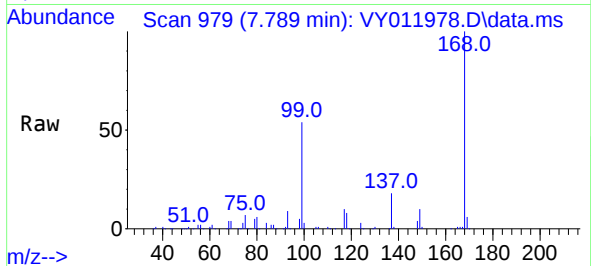
70 0.0 8.2 12.4#



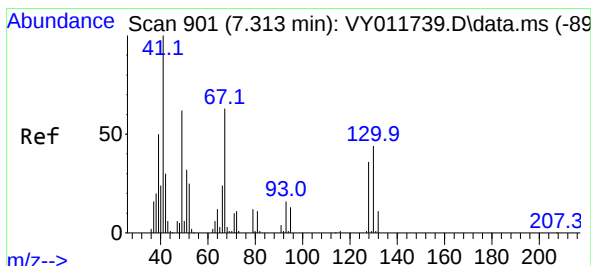
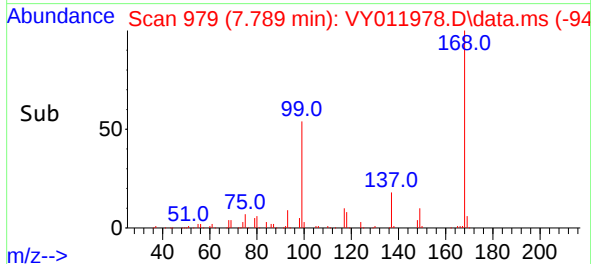
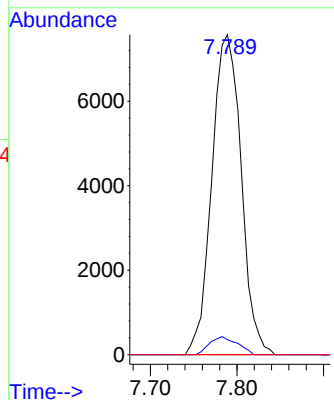


#38
Carbon Tetrachloride
Concen: 5.272 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011978.D
Acq: 22 Dec 2022 16:35

Instrument :
MSVOA_Y
ClientSampleId :
VOC-7-3051

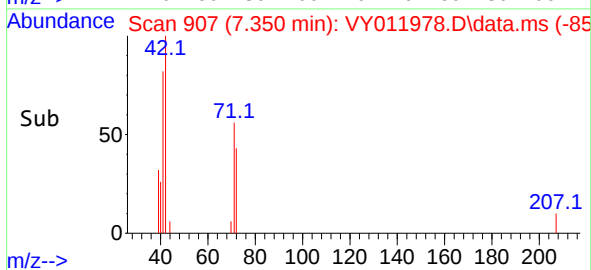
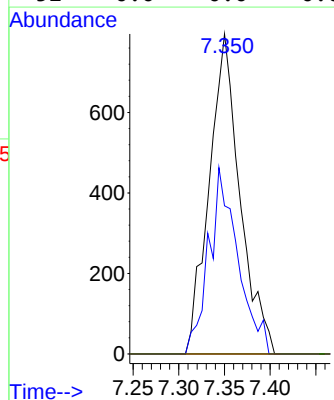
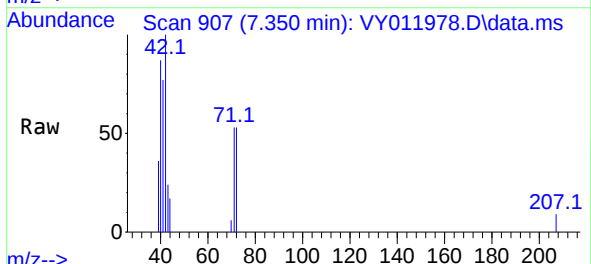


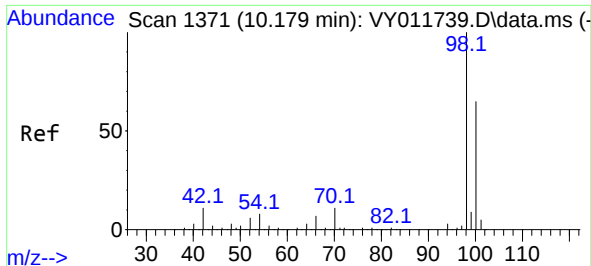
Tgt Ion: 117 Resp: 17812
Ion Ratio Lower Upper
117 100
119 4.7 73.8 110.8#
121 0.0 25.2 37.8#



#41
Methacrylonitrile
Concen: 2.934 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.036 min
Lab File: VY011978.D
Acq: 22 Dec 2022 16:35

Tgt Ion: 41 Resp: 1862
Ion Ratio Lower Upper
41 100
39 54.8 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

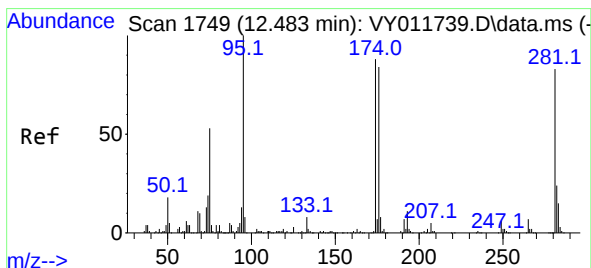
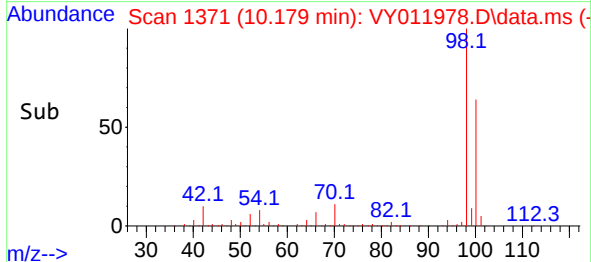
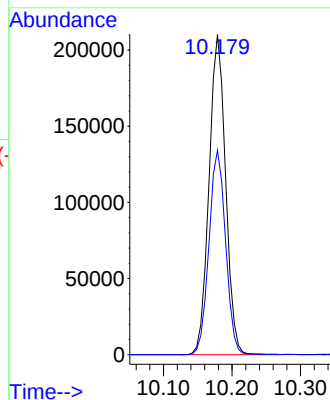
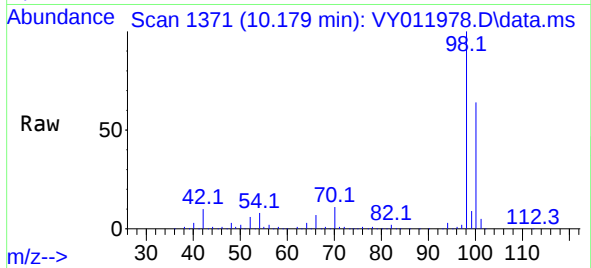




#50
Toluene-d8
Concen: 47.821 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011978.D
Acq: 22 Dec 2022 16:35

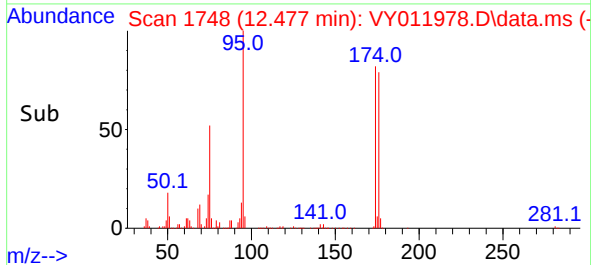
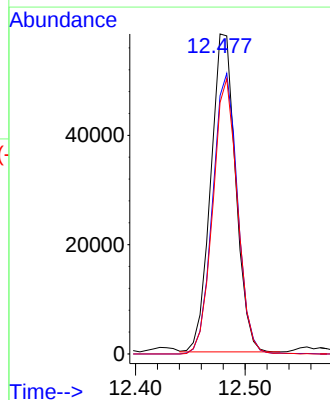
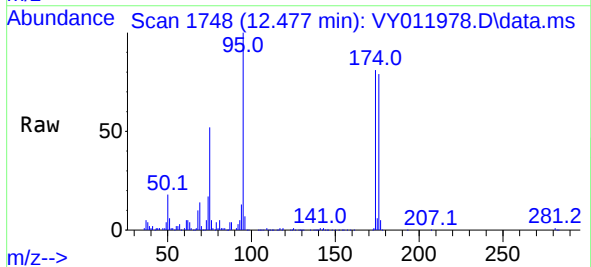
Instrument :
MSVOA_Y
ClientSampleId :
VOC-7-3051

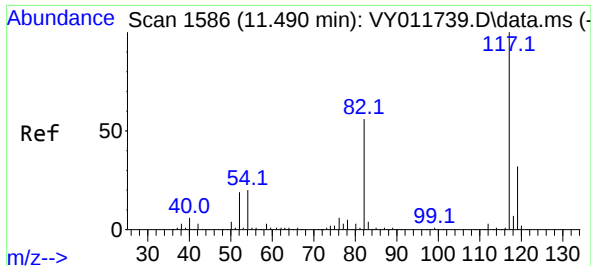
Tgt Ion: 98 Resp: 353877
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 36.858 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011978.D
Acq: 22 Dec 2022 16:35

Tgt Ion: 95 Resp: 91731
Ion Ratio Lower Upper
95 100
174 88.1 0.0 172.0
176 85.4 0.0 167.6

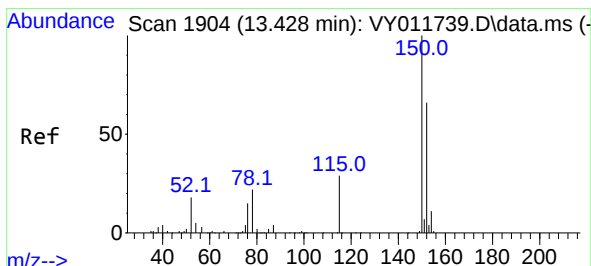
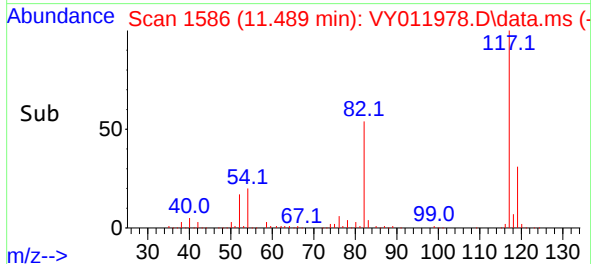
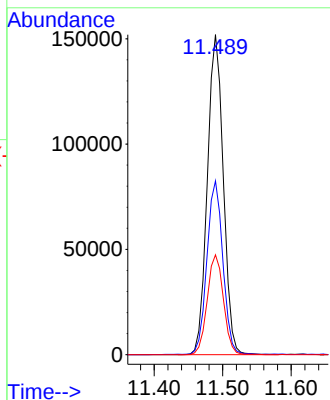
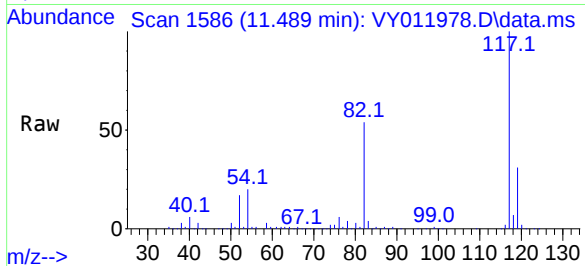




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011978.D
Acq: 22 Dec 2022 16:35

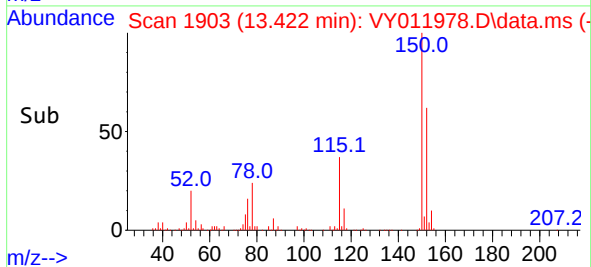
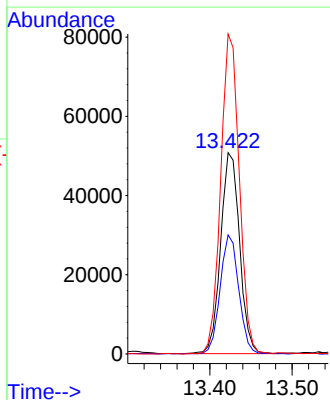
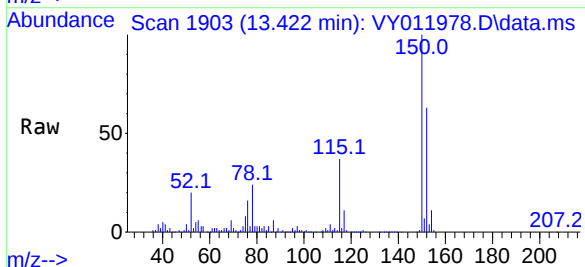
Instrument :
MSVOA_Y
ClientSampleId :
VOC-7-3051

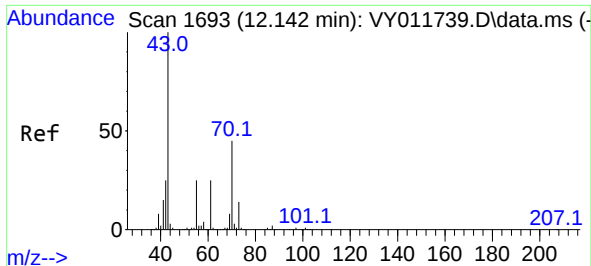
Tgt Ion:117 Resp: 246191
Ion Ratio Lower Upper
117 100
82 54.2 44.8 67.2
119 31.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY011978.D
Acq: 22 Dec 2022 16:35

Tgt Ion:152 Resp: 81448
Ion Ratio Lower Upper
152 100
115 58.3 29.1 87.3
150 156.4 0.0 342.6



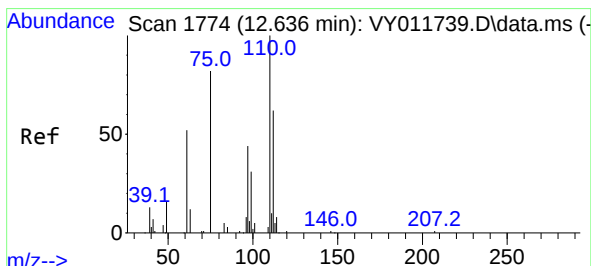
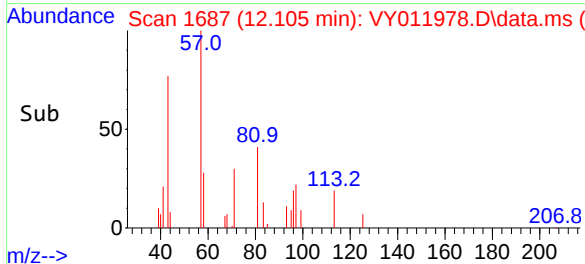
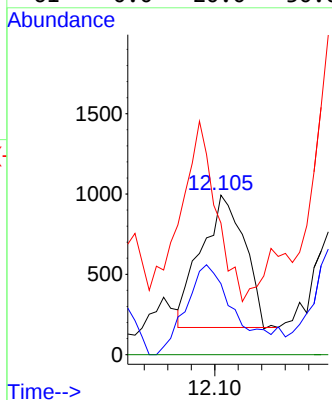
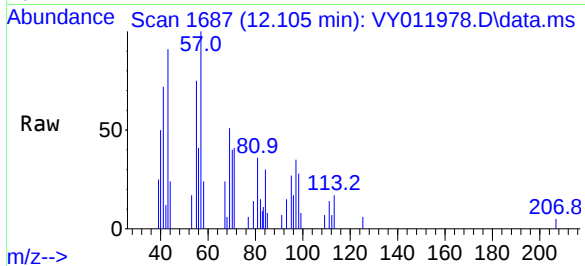


#74
N-amy1 acetate
Concen: 1.705 ug/l
RT: 12.105 min Scan# 1
Delta R.T. -0.037 min
Lab File: VY011978.D
Acq: 22 Dec 2022 16:35

Instrument :
MSVOA_Y
ClientSampleId :
VOC-7-3051

Tgt Ion: 43 Resp: 2113

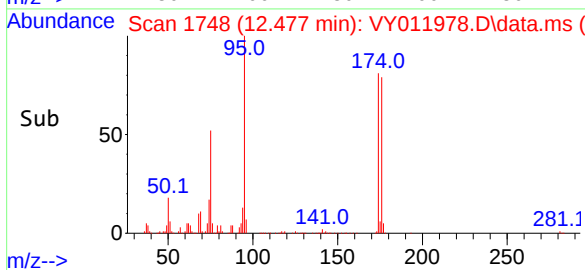
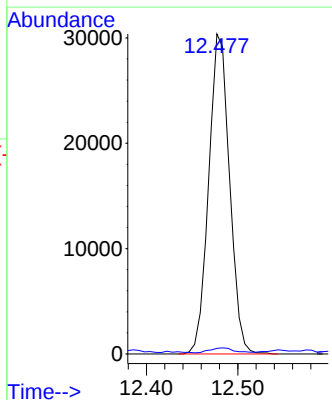
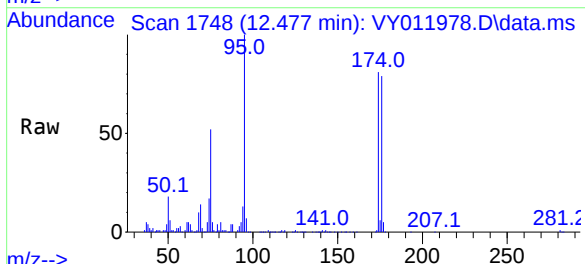
Ion	Ratio	Lower	Upper
43	100		
70	76.5	35.8	53.8#
55	109.5	21.0	31.4#
61	0.0	20.0	30.0#

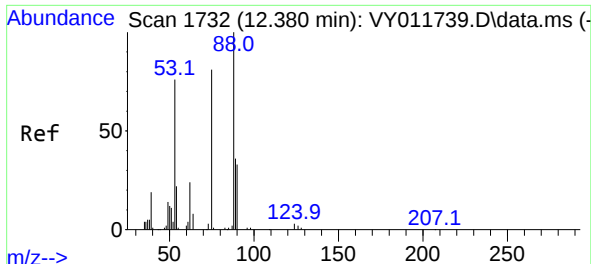


#76
1,2,3-Trichloropropane
Concen: 47.504 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY011978.D
Acq: 22 Dec 2022 16:35

Tgt Ion: 75 Resp: 48145

Ion	Ratio	Lower	Upper
75	100		
77	1.7	0.0	0.0#

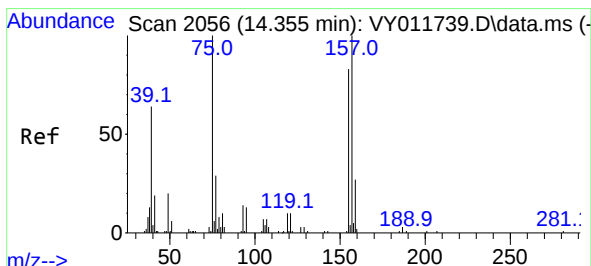
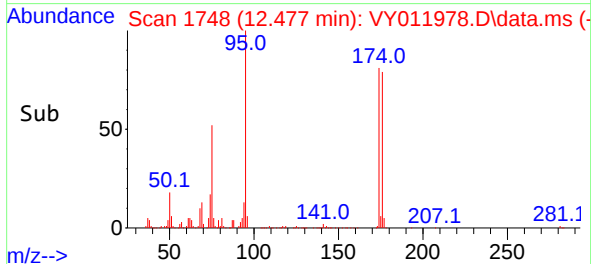
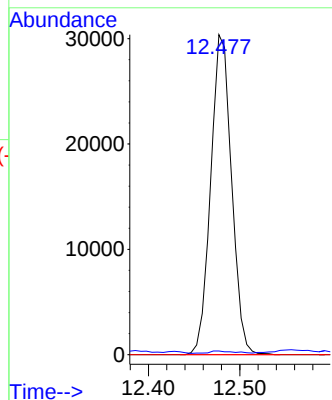
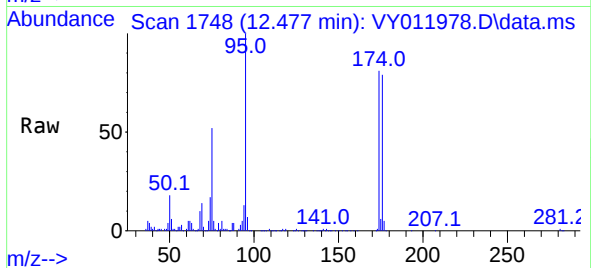




#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.091 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY011978.D
 Acq: 22 Dec 2022 16:35

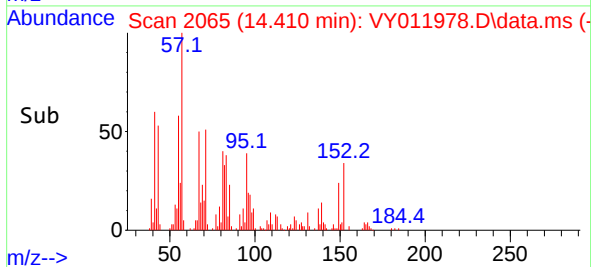
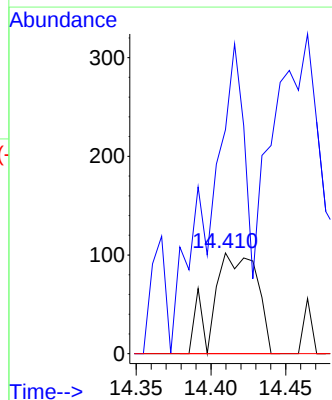
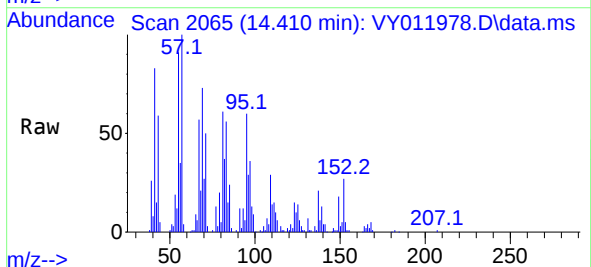
Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-7-3051

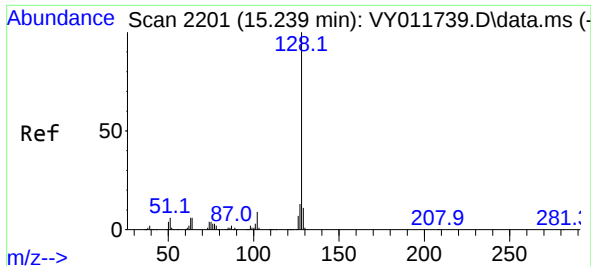
Tgt Ion: 75 Resp: 48145
 Ion Ratio Lower Upper
 75 100
 53 0.7 72.5 108.7#
 89 0.0 37.0 55.4#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.200 ug/l
 RT: 14.410 min Scan# 2065
 Delta R.T. 0.055 min
 Lab File: VY011978.D
 Acq: 22 Dec 2022 16:35

Tgt Ion: 75 Resp: 208
 Ion Ratio Lower Upper
 75 100
 155 263.9 42.3 126.8#
 157 0.0 54.4 163.3#

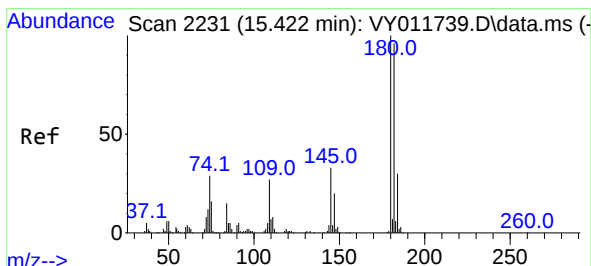
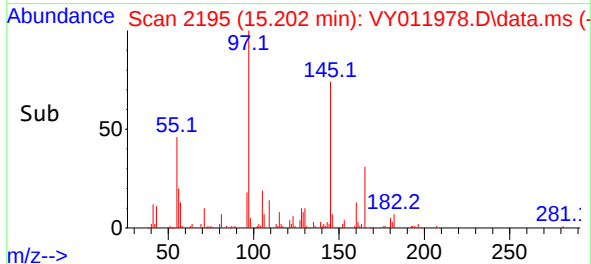
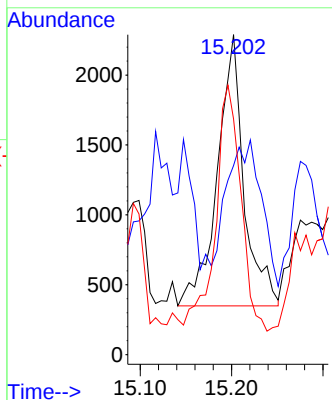
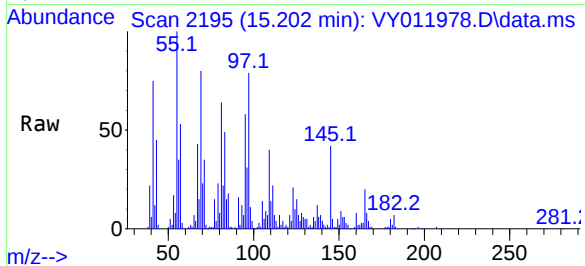




#95
Naphthalene
Concen: 4.013 ug/l
RT: 15.202 min Scan# 2195
Delta R.T. -0.037 min
Lab File: VY011978.D
Acq: 22 Dec 2022 16:35

Instrument :
MSVOA_Y
ClientSampleId :
VOC-7-3051

Tgt Ion:128 Resp: 3921
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 86.2 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 3.557 ug/l
RT: 15.440 min Scan# 2234
Delta R.T. 0.018 min
Lab File: VY011978.D
Acq: 22 Dec 2022 16:35

Tgt Ion:180 Resp: 4337
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.7#
145 90.4 16.1 48.2#

