

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122222\
 Data File : VY011972.D
 Acq On : 22 Dec 2022 14:14
 Operator : KP/MD
 Sample : N6160-03
 Misc : 4.41g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-7-3051

Quant Time: Dec 23 04:32:07 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)

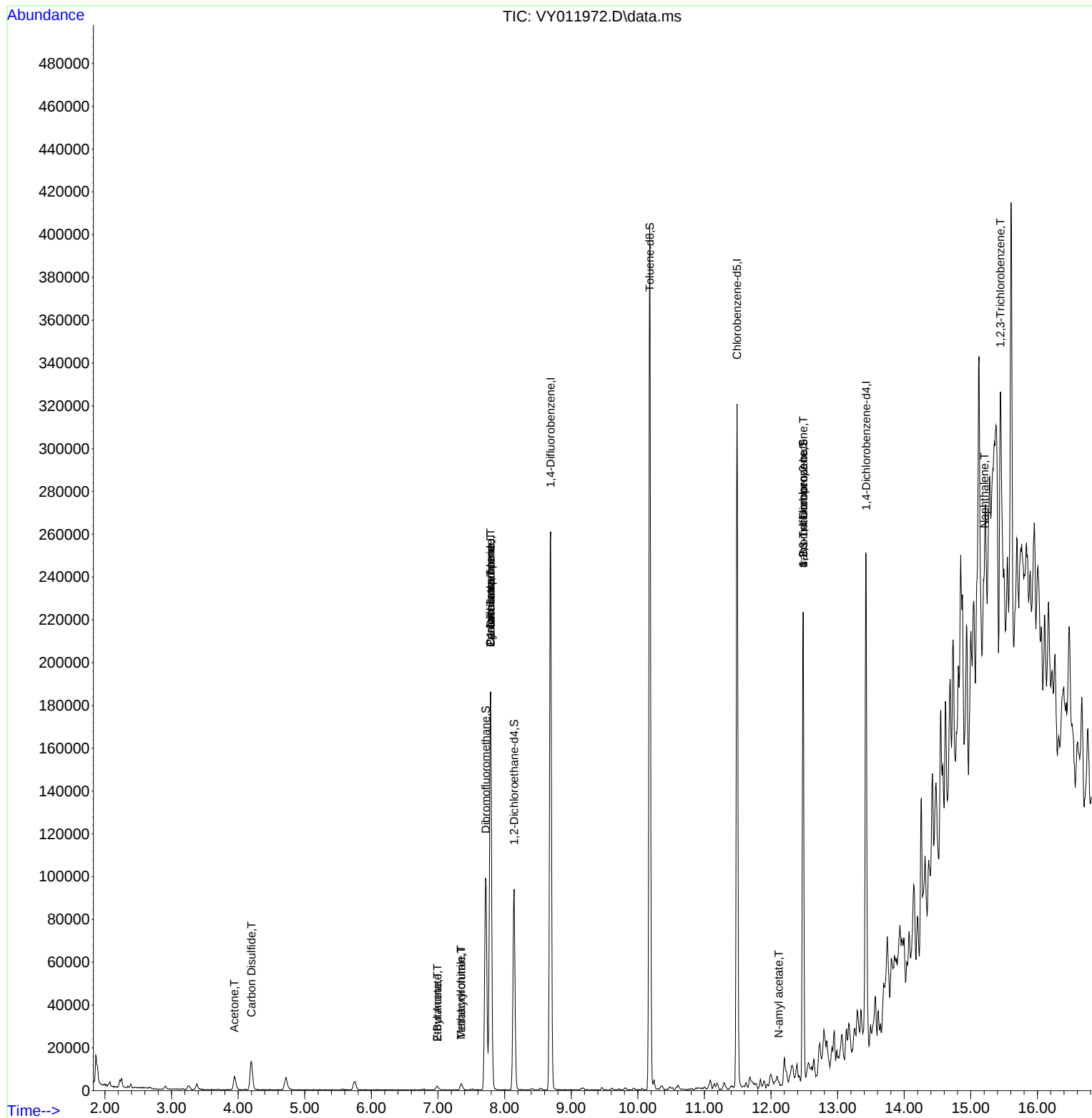
Internal Standards						
1) Pentafluorobenzene	7.789	168	145841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	228593	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	178761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	61623	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	74758	50.879	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.760%			
35) Dibromofluoromethane	7.716	113	69313	50.366	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.740%			
50) Toluene-d8	10.179	98	267979	47.994	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.980%			
62) 4-Bromofluorobenzene	12.483	95	66614	35.473	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 70.940%			
Target Compounds					Qvalue	
16) Acetone	3.942	43	10882	29.197	ug/l	97
17) Carbon Disulfide	4.198	76	26324	5.981	ug/l	98
20) Methylene Chloride	4.716	84	4424	Below Cal		94
25) 2-Butanone	6.990	43	2566	5.243	ug/l	99
29) Tetrahydrofuran	7.350	42	2155	7.771	ug/l #	86
31) Cyclohexane	7.789	56	2891	1.169	ug/l #	16
36) 1,1-Dichloropropene	7.789	75	10543	4.776	ug/l #	50
37) Ethyl Acetate	6.990	43	2566	2.591	ug/l #	68
38) Carbon Tetrachloride	7.789	117	14553	5.708	ug/l #	17
41) Methacrylonitrile	7.344	41	1413	2.950	ug/l #	100
74) N-amyl acetate	12.117	43	1526	1.628	ug/l #	41
76) 1,2,3-Trichloropropane	12.483	75	34598	45.120	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	34598	123.562	ug/l #	13
95) Naphthalene	15.202	128	2299	3.735	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.446	180	2016	2.185	ug/l #	1

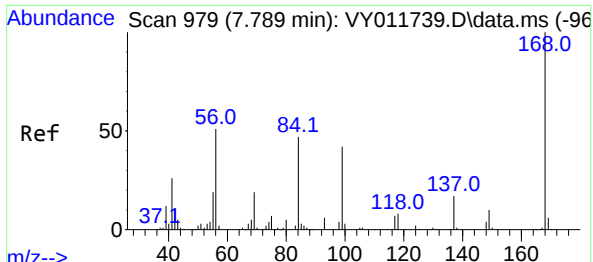
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_Y
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VOC-7-3051

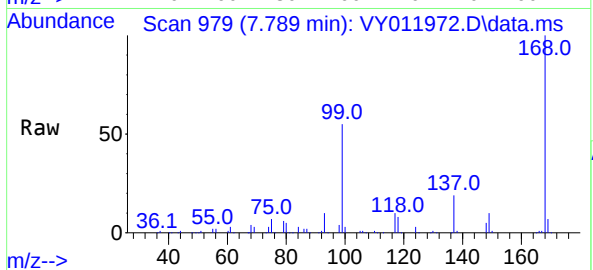
Quant Time: Dec 23 04:32:07 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 20 12:37:37 2022
Response via : Initial Calibration



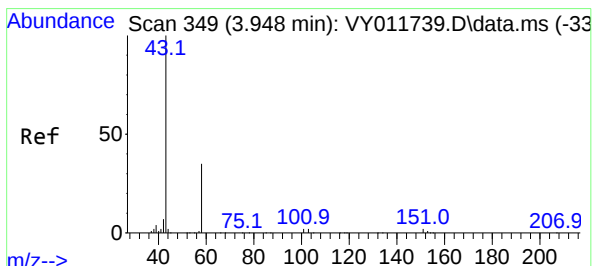
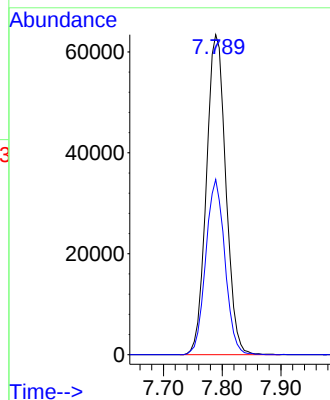
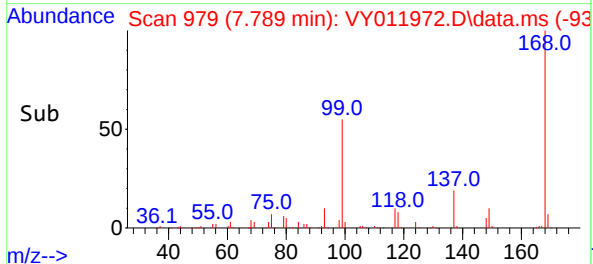


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011972.D
Acq: 22 Dec 2022 14:14

Instrument :
MSVOA_Y
ClientSampleId :
VOC-7-3051

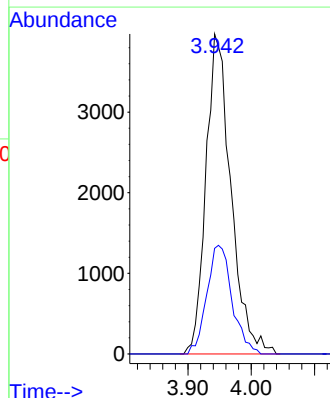
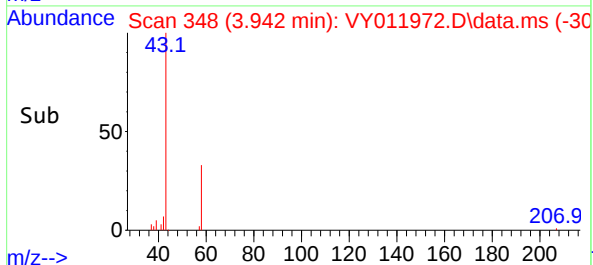
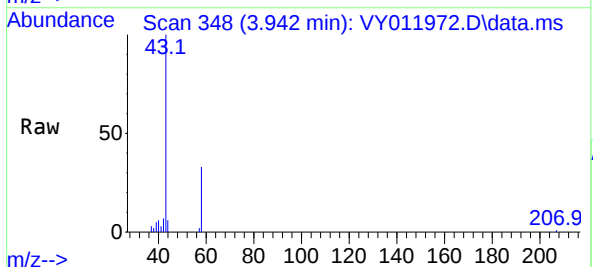


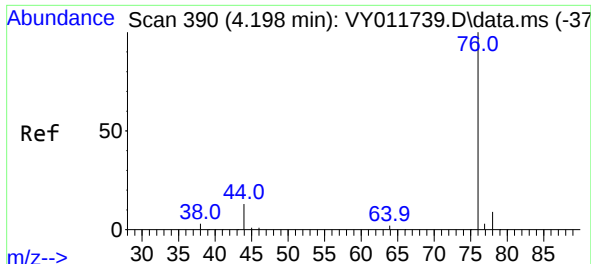
Tgt Ion:168 Resp: 145841
Ion Ratio Lower Upper
168 100
99 54.7 44.0 66.0



#16
Acetone
Concen: 29.197 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY011972.D
Acq: 22 Dec 2022 14:14

Tgt Ion: 43 Resp: 10882
Ion Ratio Lower Upper
43 100
58 33.0 27.9 41.9

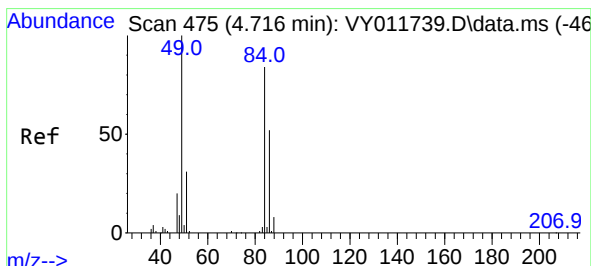
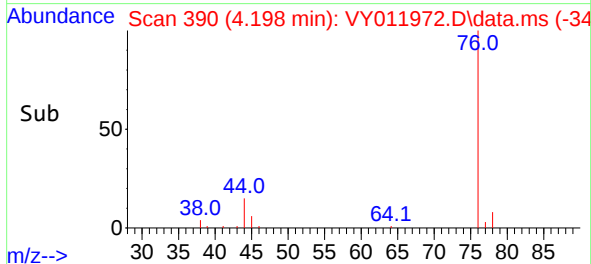
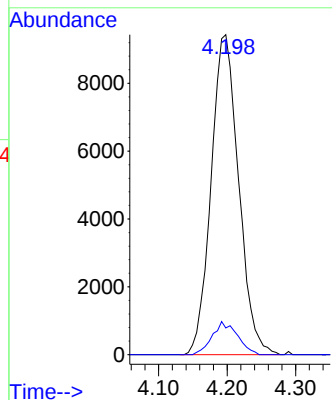
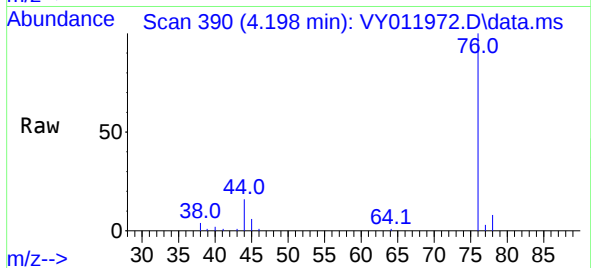




#17
Carbon Disulfide
Concen: 5.981 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.000 min
Lab File: VY011972.D
Acq: 22 Dec 2022 14:14

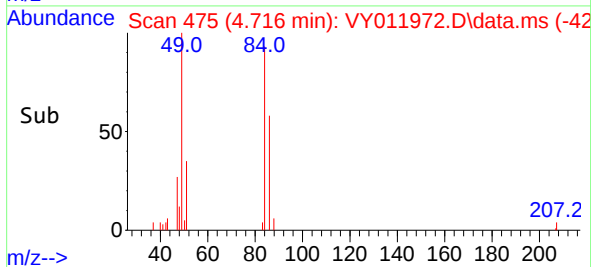
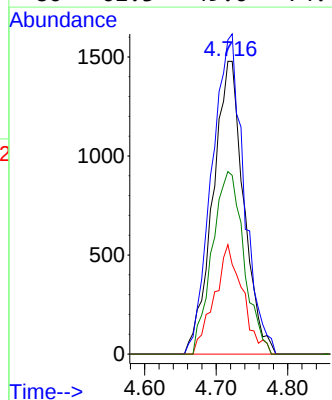
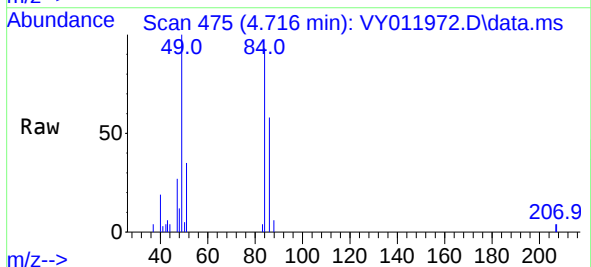
Instrument :
MSVOA_Y
ClientSampleId :
VOC-7-3051

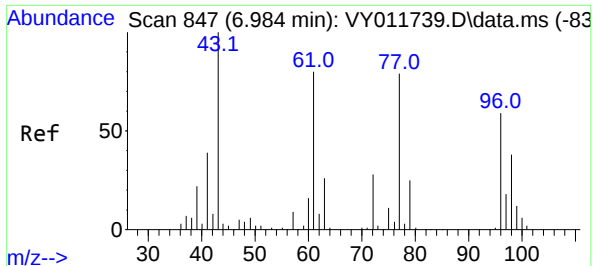
Tgt Ion: 76 Resp: 26324
Ion Ratio Lower Upper
76 100
78 8.3 7.2 10.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011972.D
Acq: 22 Dec 2022 14:14

Tgt Ion: 84 Resp: 4424
Ion Ratio Lower Upper
84 100
49 107.3 95.4 143.2
51 37.3 29.9 44.9
86 62.3 49.6 74.4





#25

2-Butanone

Concen: 5.243 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY011972.D

Acq: 22 Dec 2022 14:14

Instrument :

MSVOA_Y

ClientSampleId :

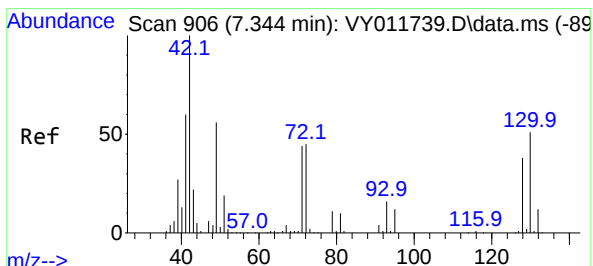
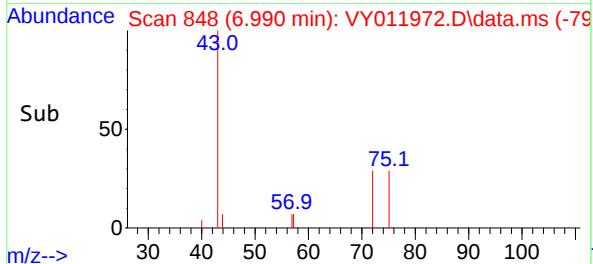
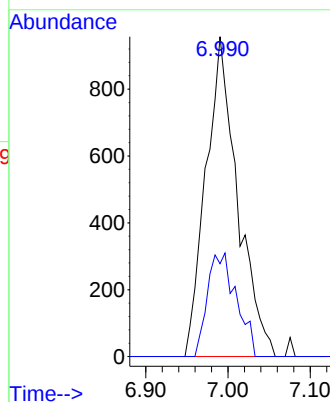
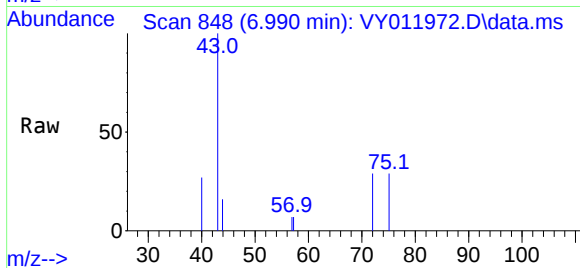
VOC-7-3051

Tgt Ion: 43 Resp: 2566

Ion Ratio Lower Upper

43 100

72 29.0 22.6 34.0



#29

Tetrahydrofuran

Concen: 7.771 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY011972.D

Acq: 22 Dec 2022 14:14

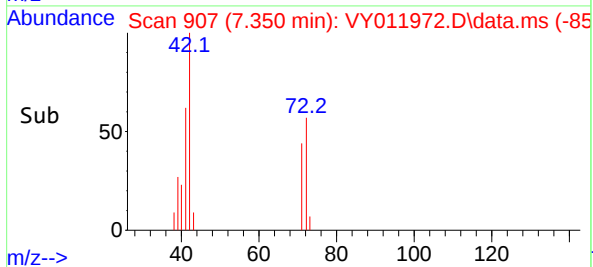
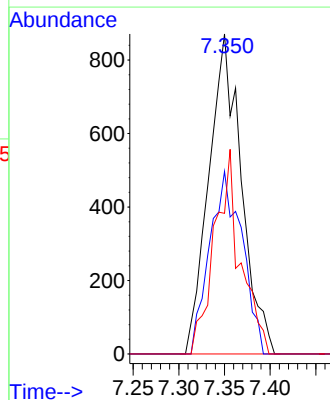
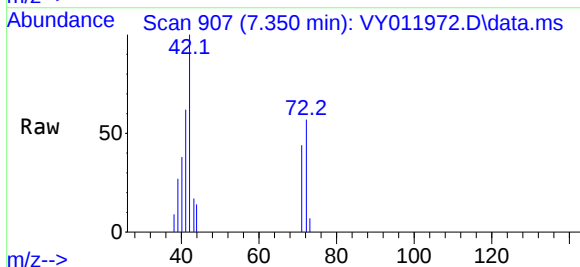
Tgt Ion: 42 Resp: 2155

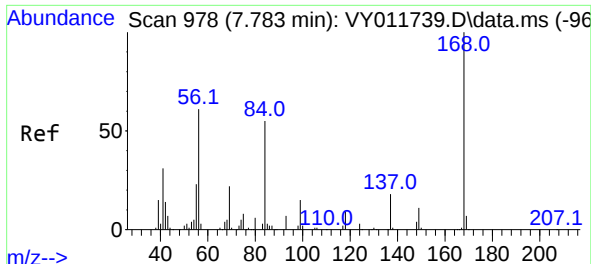
Ion Ratio Lower Upper

42 100

72 56.8 37.0 55.6#

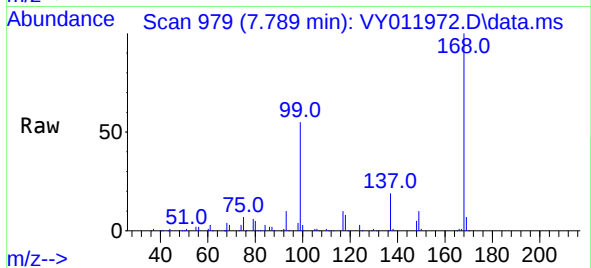
71 50.9 34.9 52.3



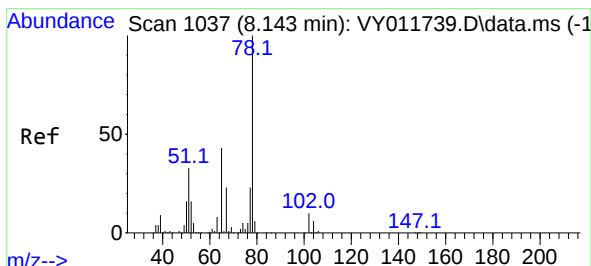
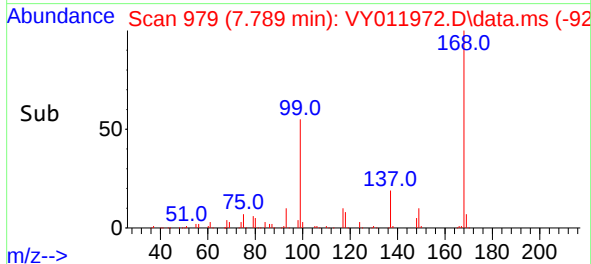
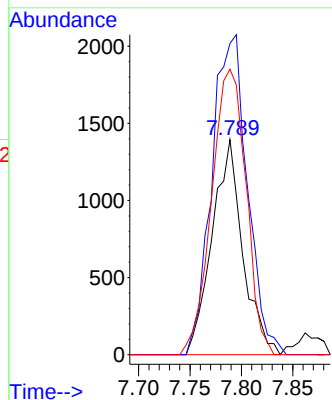


#31
Cyclohexane
Concen: 1.169 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011972.D
Acq: 22 Dec 2022 14:14

Instrument :
MSVOA_Y
ClientSampleId :
VOC-7-3051

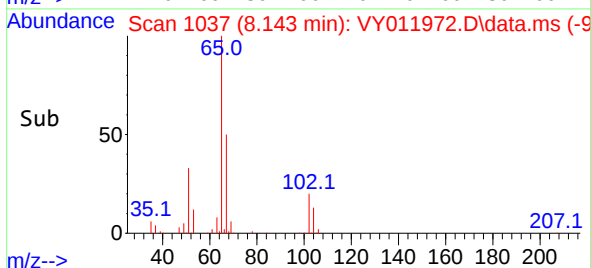
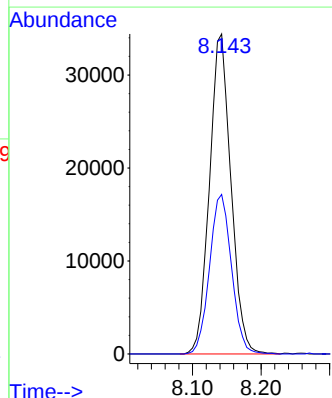
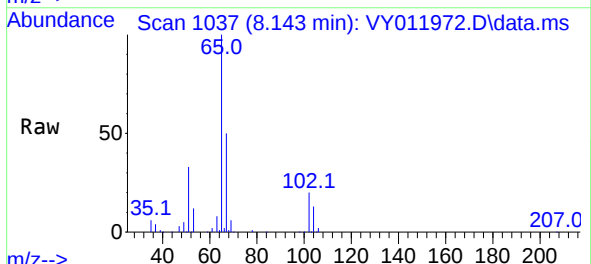


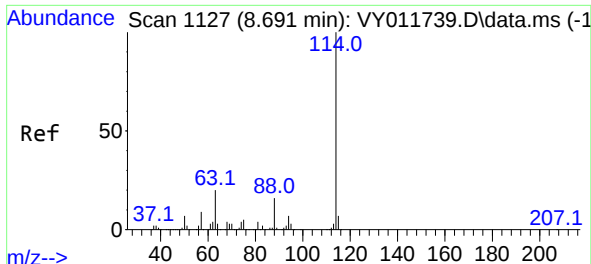
Tgt Ion: 56 Resp: 2891
Ion Ratio Lower Upper
56 100
69 144.8 29.2 43.8#
84 132.8 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 50.879 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011972.D
Acq: 22 Dec 2022 14:14

Tgt Ion: 65 Resp: 74758
Ion Ratio Lower Upper
65 100
67 51.0 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: VY011972.D

Acq: 22 Dec 2022 14:14

Instrument :

MSVOA_Y

ClientSampleId :

VOC-7-3051

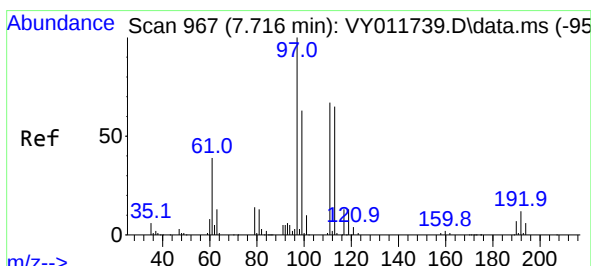
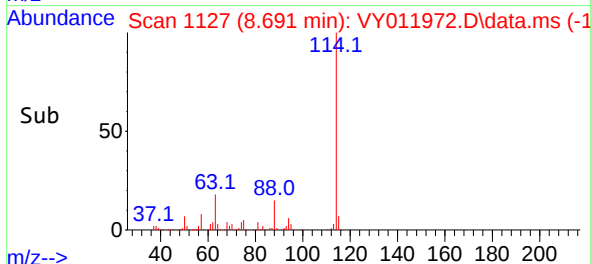
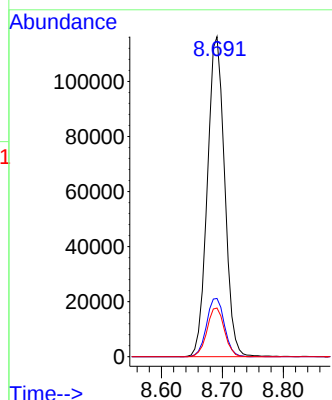
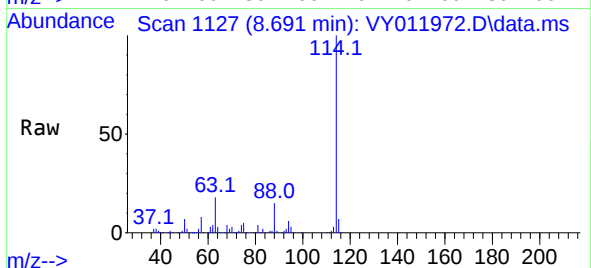
Tgt Ion:114 Resp: 228593

Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.6

88 15.2 0.0 32.2



#35

Dibromofluoromethane

Concen: 50.366 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011972.D

Acq: 22 Dec 2022 14:14

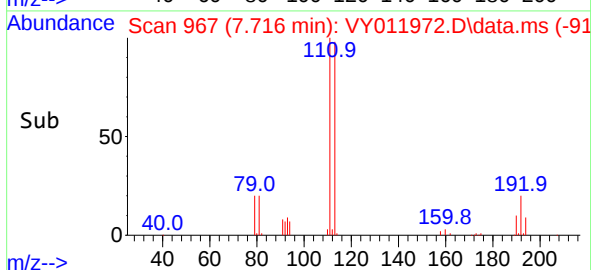
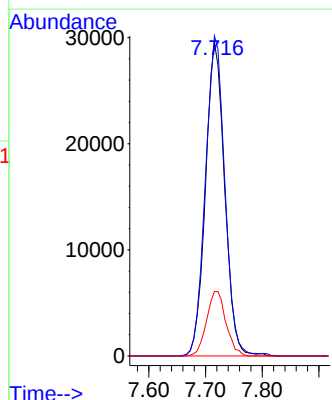
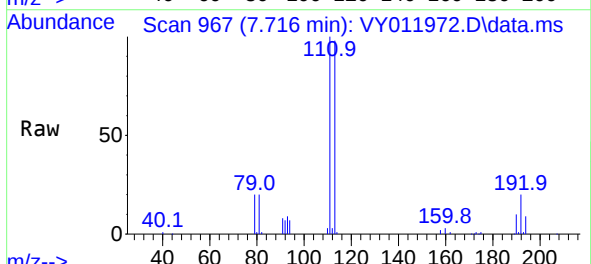
Tgt Ion:113 Resp: 69313

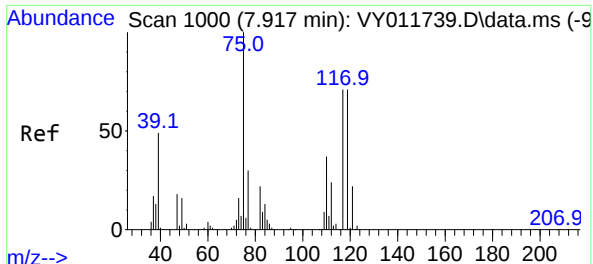
Ion Ratio Lower Upper

113 100

111 103.6 83.0 124.4

192 20.8 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.776 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011972.D

Acq: 22 Dec 2022 14:14

Instrument :

MSVOA_Y

ClientSampleId :

VOC-7-3051

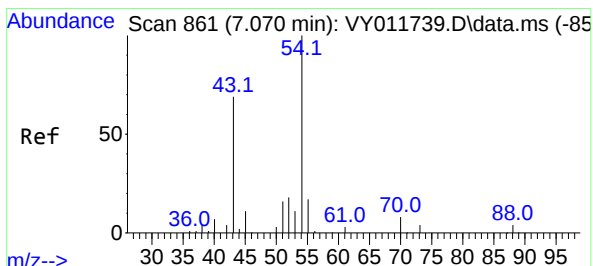
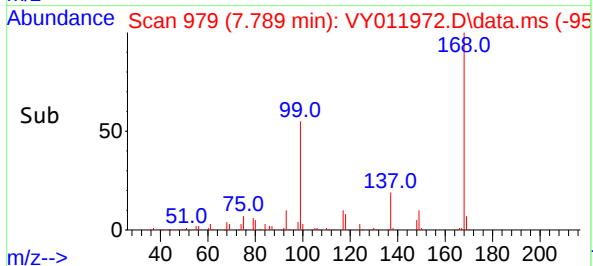
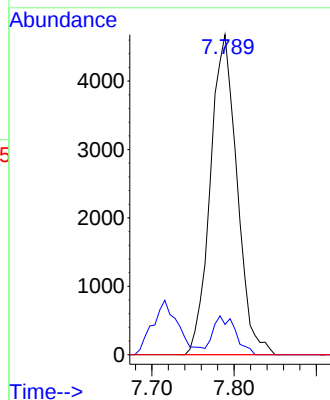
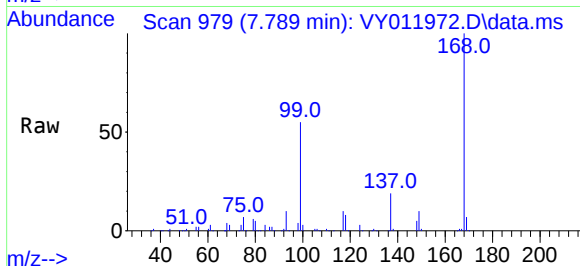
Tgt Ion: 75 Resp: 10543

Ion Ratio Lower Upper

75 100

110 10.2 18.1 54.1#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 2.591 ug/l

RT: 6.990 min Scan# 848

Delta R.T. -0.080 min

Lab File: VY011972.D

Acq: 22 Dec 2022 14:14

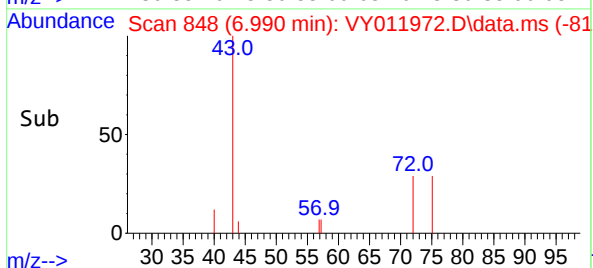
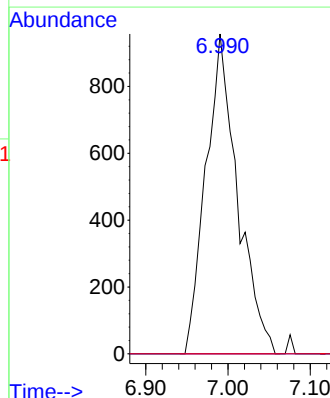
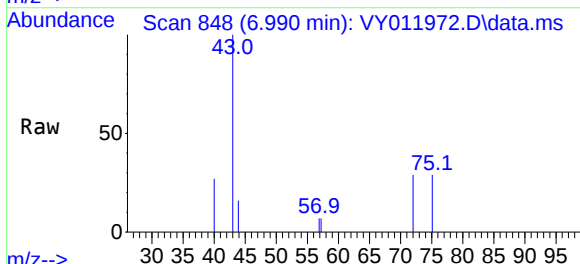
Tgt Ion: 43 Resp: 2566

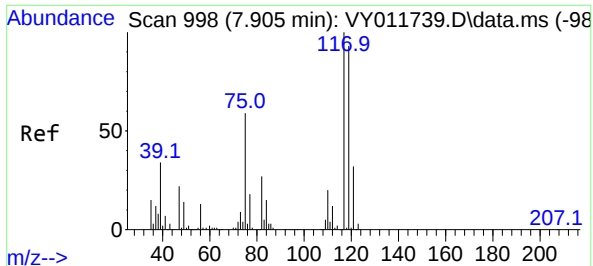
Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

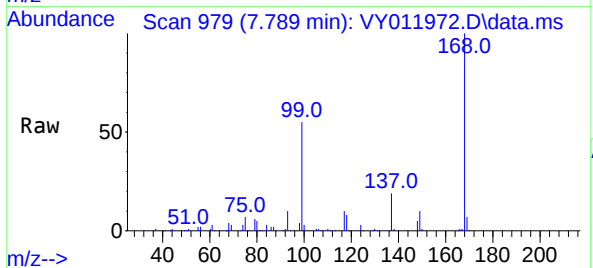
70 0.0 8.2 12.4#



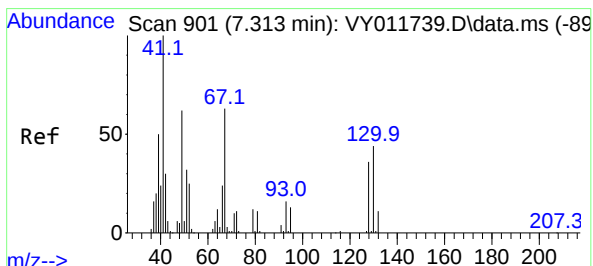
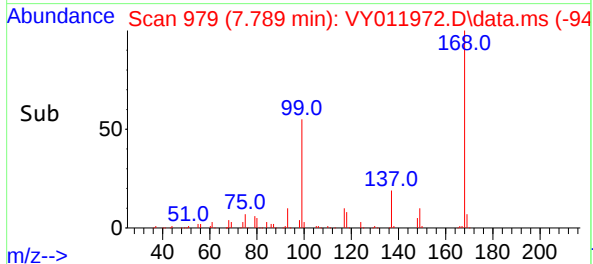
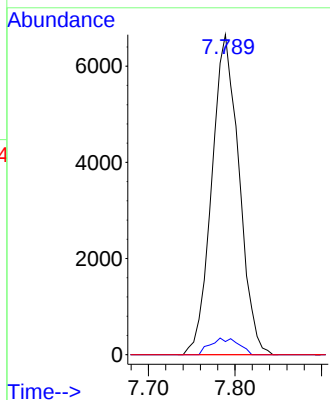


#38
Carbon Tetrachloride
Concen: 5.708 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.116 min
Lab File: VY011972.D
Acq: 22 Dec 2022 14:14

Instrument :
MSVOA_Y
ClientSampleId :
VOC-7-3051

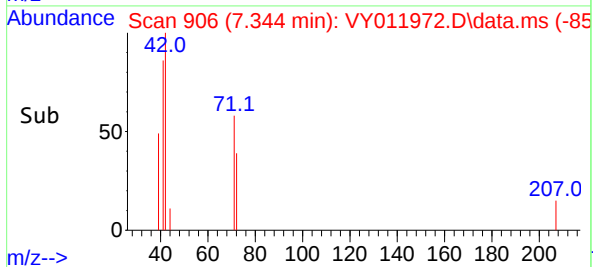
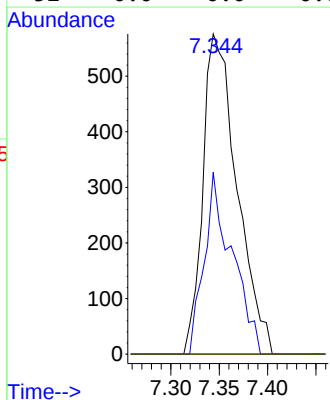
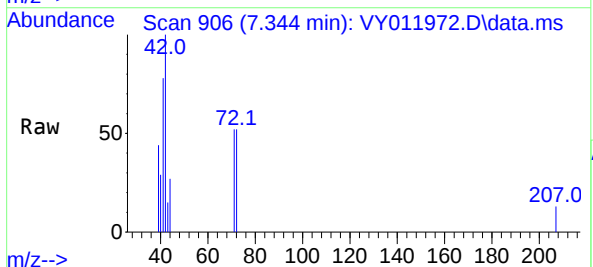


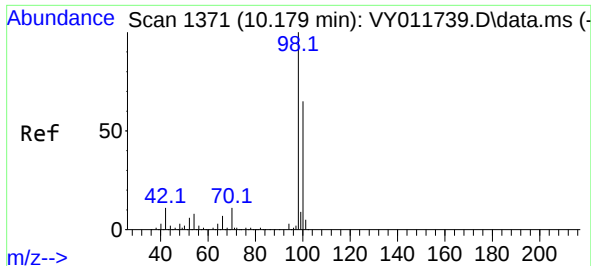
Tgt Ion:117 Resp: 14553
Ion Ratio Lower Upper
117 100
119 4.1 73.8 110.8#
121 0.0 25.2 37.8#



#41
Methacrylonitrile
Concen: 2.950 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.030 min
Lab File: VY011972.D
Acq: 22 Dec 2022 14:14

Tgt Ion: 41 Resp: 1413
Ion Ratio Lower Upper
41 100
39 46.1 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

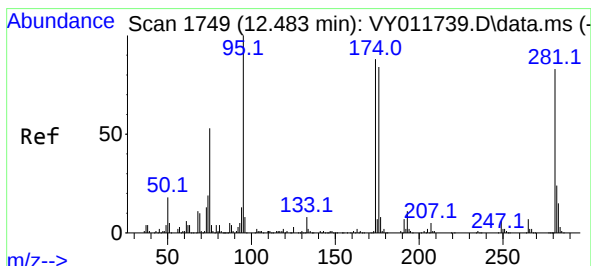
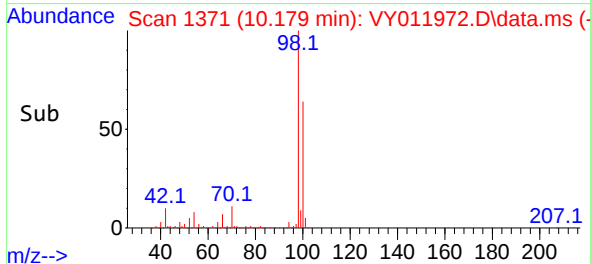
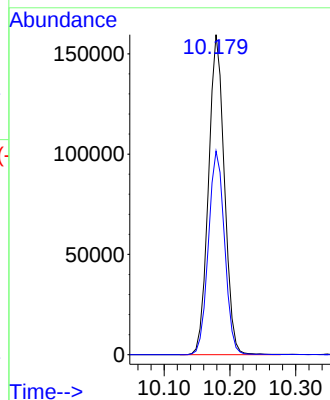
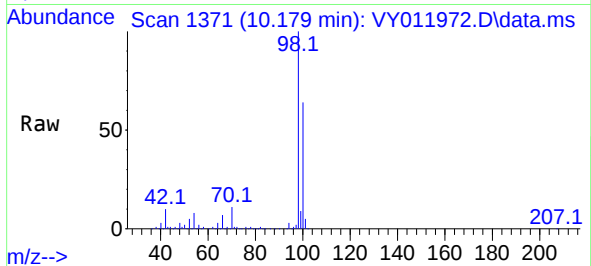




#50
Toluene-d8
Concen: 47.994 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011972.D
Acq: 22 Dec 2022 14:14

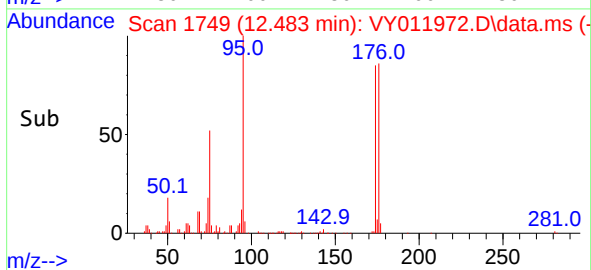
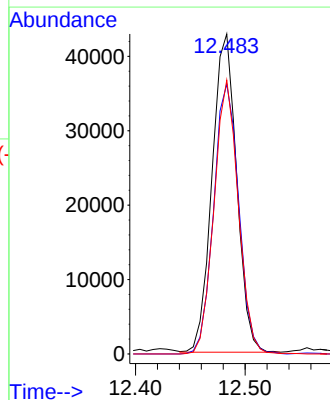
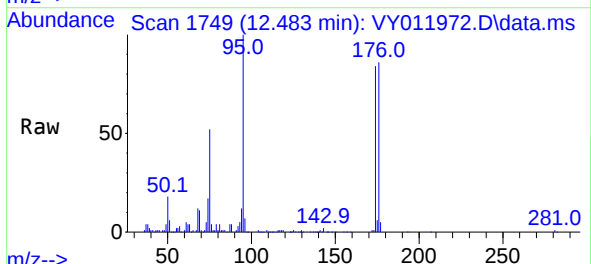
Instrument :
MSVOA_Y
ClientSampleId :
VOC-7-3051

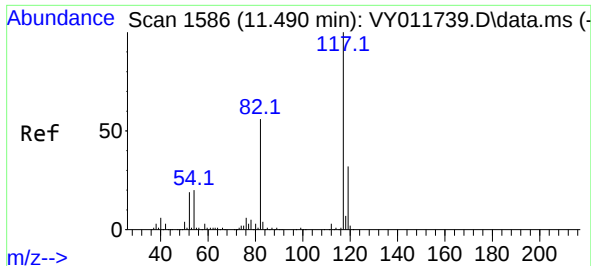
Tgt Ion: 98 Resp: 267979
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 35.473 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011972.D
Acq: 22 Dec 2022 14:14

Tgt Ion: 95 Resp: 66614
Ion Ratio Lower Upper
95 100
174 86.6 0.0 172.0
176 84.9 0.0 167.6

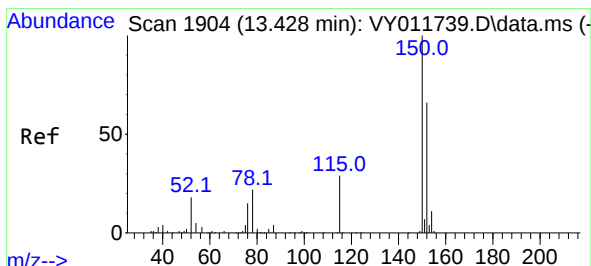
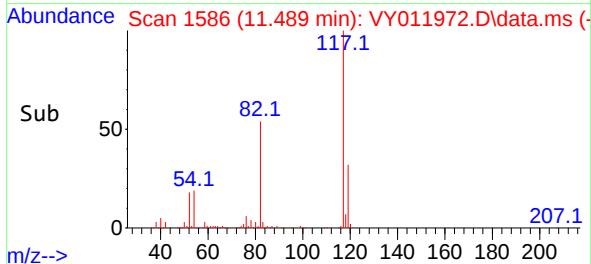
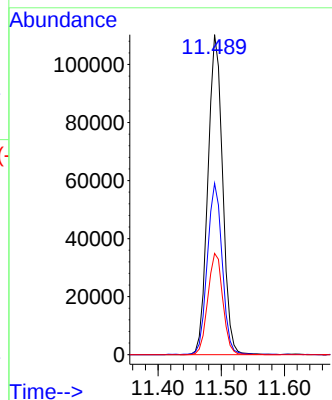
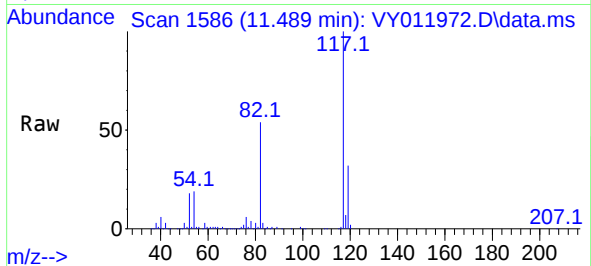




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011972.D
Acq: 22 Dec 2022 14:14

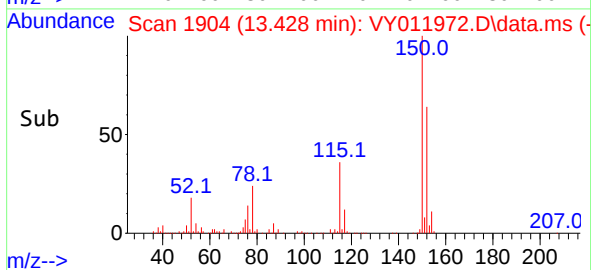
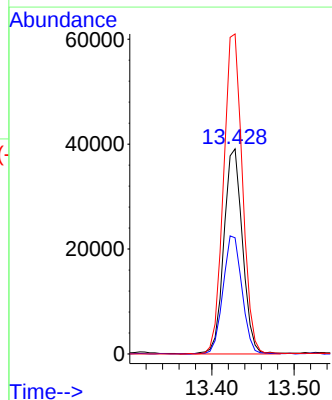
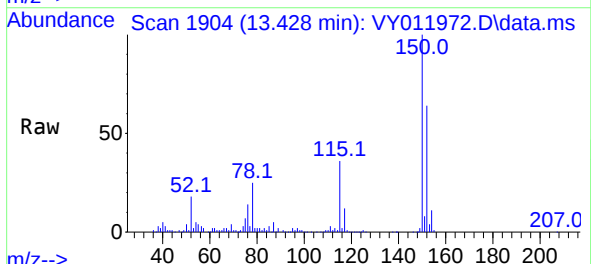
Instrument :
MSVOA_Y
ClientSampleId :
VOC-7-3051

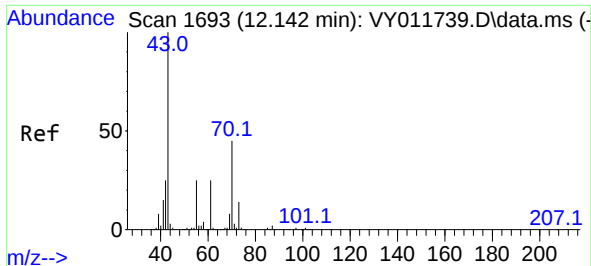
Tgt Ion:117 Resp: 178761
Ion Ratio Lower Upper
117 100
82 53.5 44.8 67.2
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011972.D
Acq: 22 Dec 2022 14:14

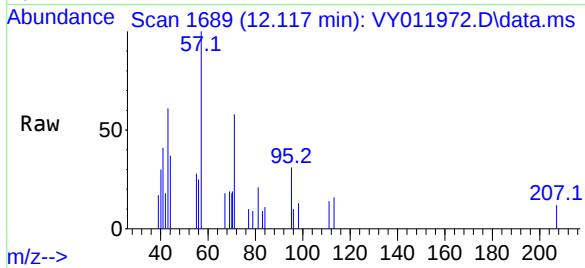
Tgt Ion:152 Resp: 61623
Ion Ratio Lower Upper
152 100
115 58.7 29.1 87.3
150 158.1 0.0 342.6



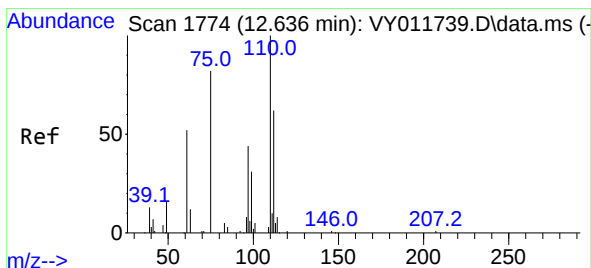
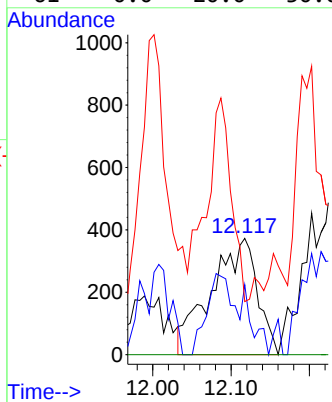
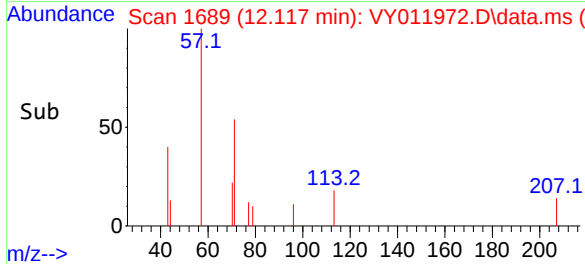


#74
N-amy1 acetate
Concen: 1.628 ug/l
RT: 12.117 min Scan# 1
Delta R.T. -0.024 min
Lab File: VY011972.D
Acq: 22 Dec 2022 14:14

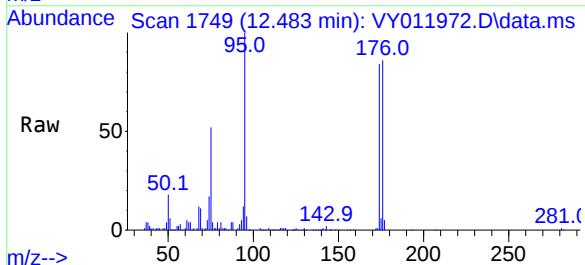
Instrument :
MSVOA_Y
ClientSampleId :
VOC-7-3051



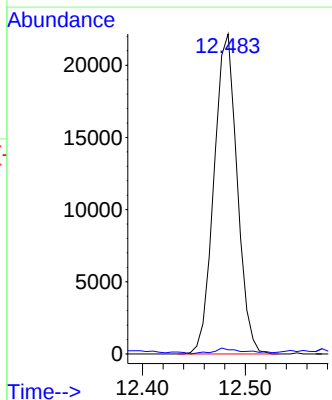
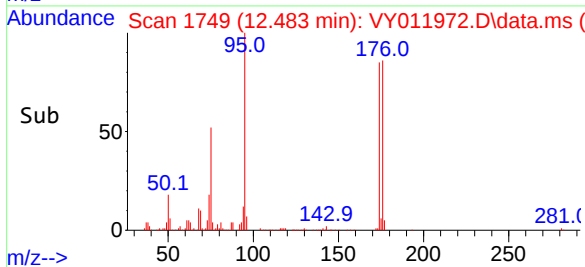
Tgt Ion: 43 Resp: 1526
Ion Ratio Lower Upper
43 100
70 0.0 35.8 53.8#
55 0.0 21.0 31.4#
61 0.0 20.0 30.0#

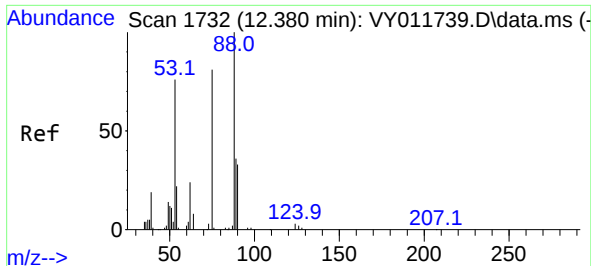


#76
1,2,3-Trichloropropane
Concen: 45.120 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011972.D
Acq: 22 Dec 2022 14:14



Tgt Ion: 75 Resp: 34598
Ion Ratio Lower Upper
75 100
77 2.5 0.0 0.0#

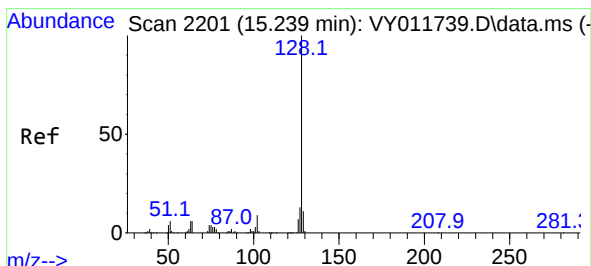
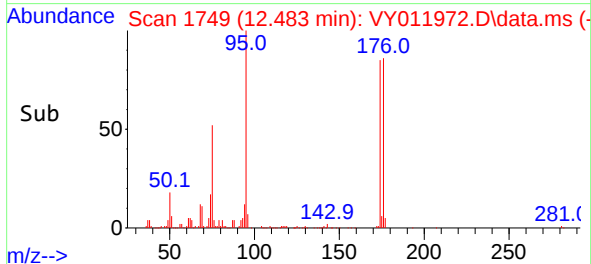
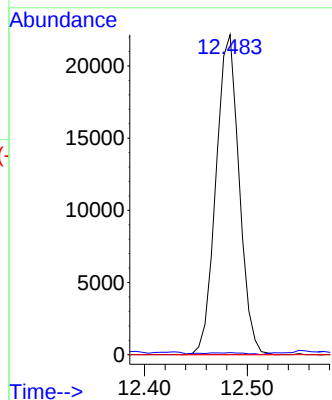
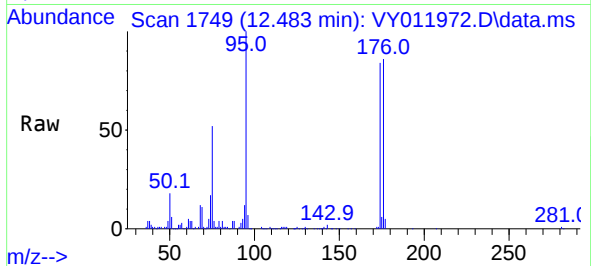




#81
trans-1,4-Dichloro-2-butene
Concen: 123.562 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY011972.D
Acq: 22 Dec 2022 14:14

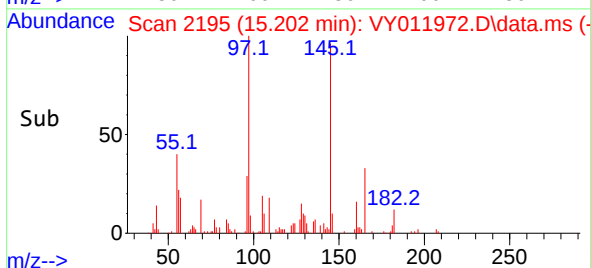
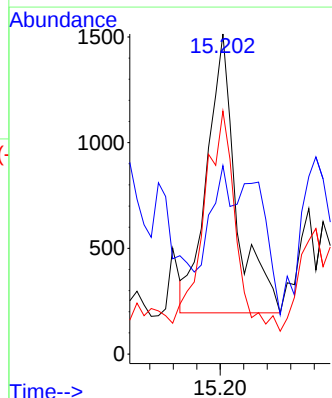
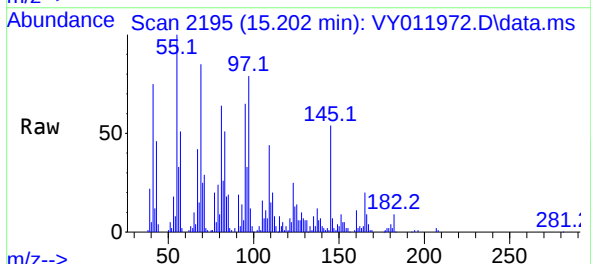
Instrument :
MSVOA_Y
ClientSampleId :
VOC-7-3051

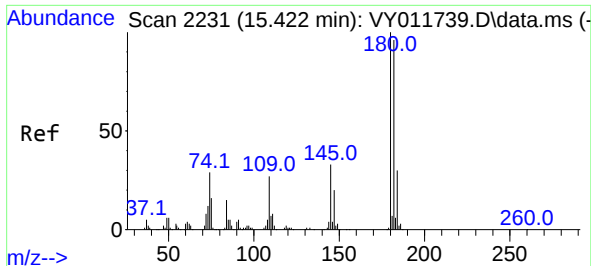
Tgt Ion: 75 Resp: 34598
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 3.735 ug/l
RT: 15.202 min Scan# 2195
Delta R.T. -0.037 min
Lab File: VY011972.D
Acq: 22 Dec 2022 14:14

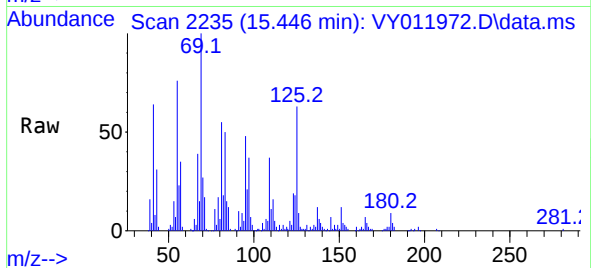
Tgt Ion:128 Resp: 2299
Ion Ratio Lower Upper
128 100
127 28.1 10.2 15.2#
129 84.9 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.185 ug/l
 RT: 15.446 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: VY011972.D
 Acq: 22 Dec 2022 14:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-7-3051



Tgt Ion:180 Resp: 2016
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.9 143.7#
 145 108.0 16.1 48.2#

