

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122222\
 Data File : VY011971.D
 Acq On : 22 Dec 2022 13:51
 Operator : KP/MD
 Sample : N6160-04
 Misc : 5.40g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-8-3051

Quant Time: Dec 23 04:32:00 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)

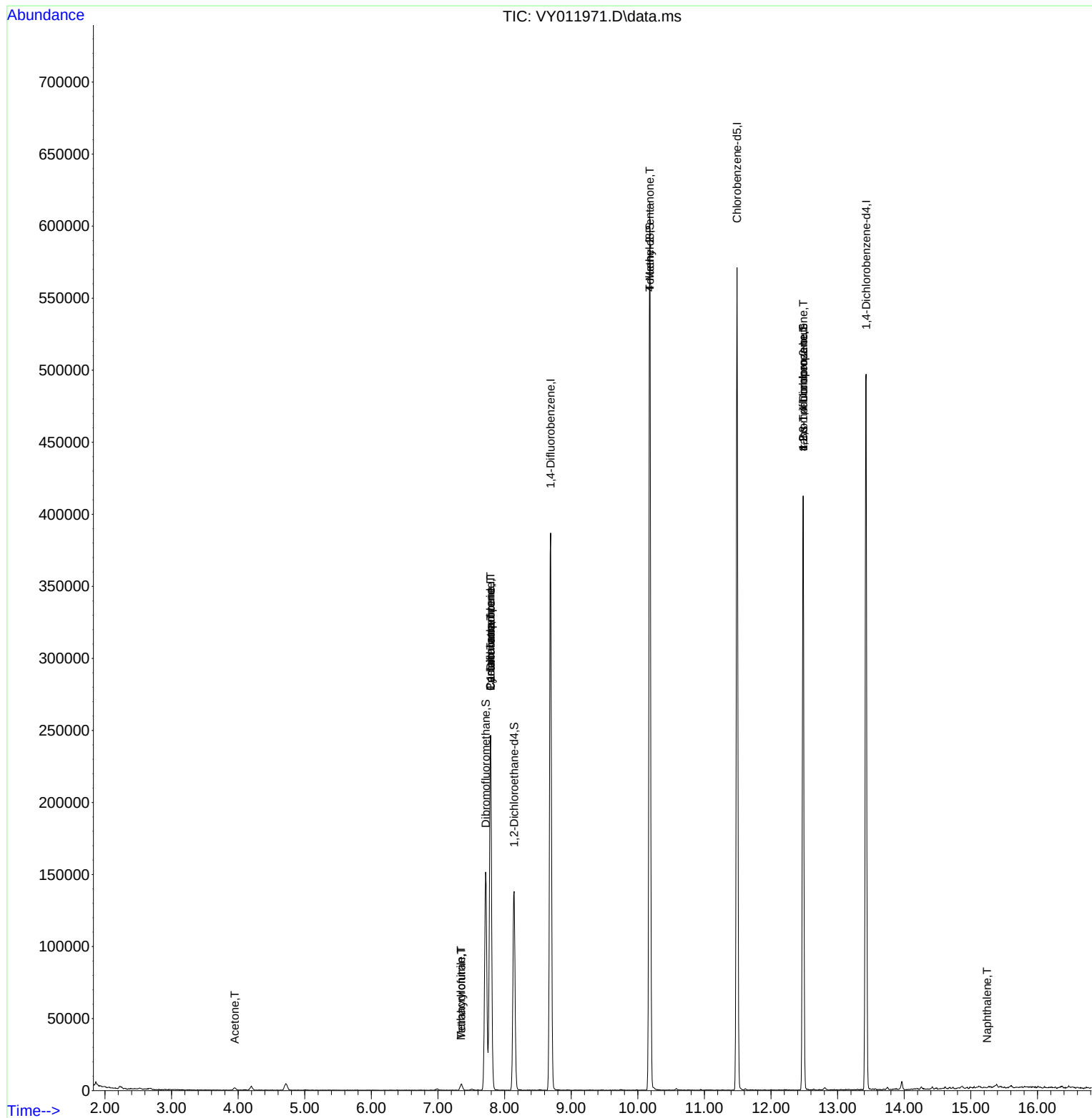
Internal Standards						
1) Pentafluorobenzene	7.789	168	193071	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	336948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	308269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	134179	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	115414	59.334	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.660%
35) Dibromofluoromethane	7.716	113	104789	51.658	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.320%
50) Toluene-d8	10.179	98	409419	49.746	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.500%
62) 4-Bromofluorobenzene	12.483	95	125698	45.411	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.820%
Target Compounds						
16) Acetone	3.948	43	2935	9.830	ug/l	98
20) Methylene Chloride	4.716	84	3770	Below Cal	#	84
29) Tetrahydrofuran	7.350	42	3264	8.891	ug/l	96
31) Cyclohexane	7.789	56	3510	1.072	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	14322	4.402	ug/l #	51
38) Carbon Tetrachloride	7.789	117	19009	5.058	ug/l #	18
41) Methacrylonitrile	7.344	41	1921	2.721	ug/l #	100
51) 4-Methyl-2-Pentanone	10.179	43	1531	1.077	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	65068	38.971	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	65068	106.723	ug/l #	13
95) Naphthalene	15.245	128	303	2.836	ug/l #	69

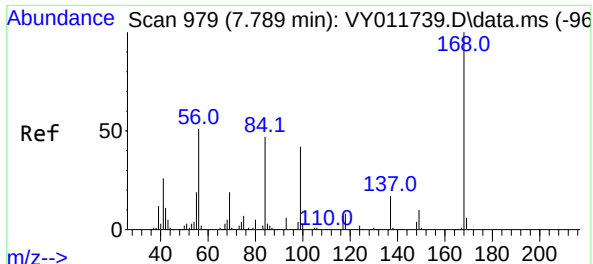
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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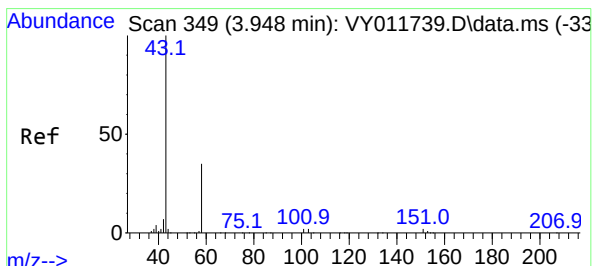
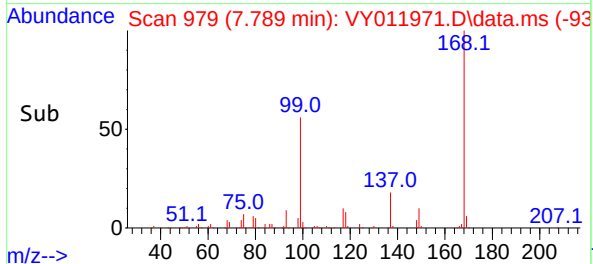
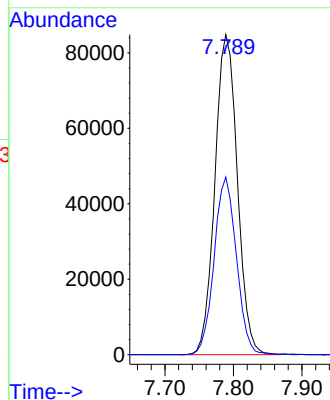
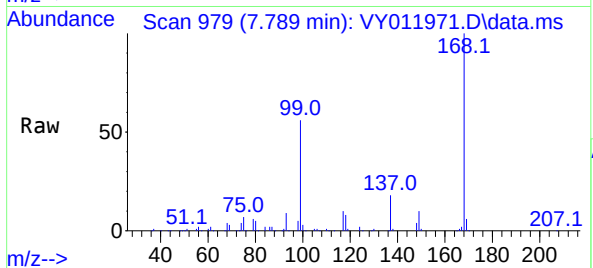




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011971.D
Acq: 22 Dec 2022 13:51

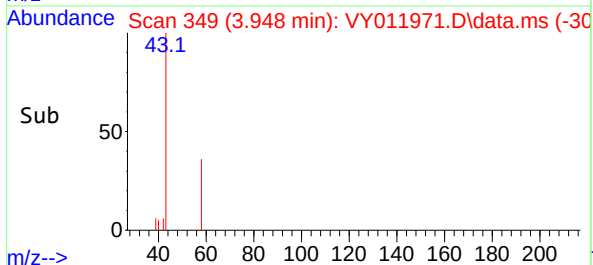
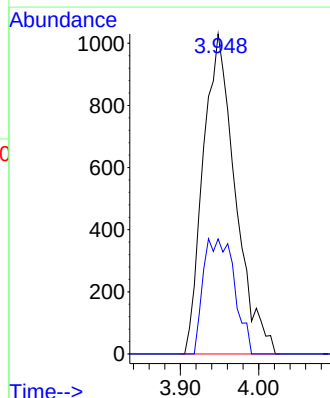
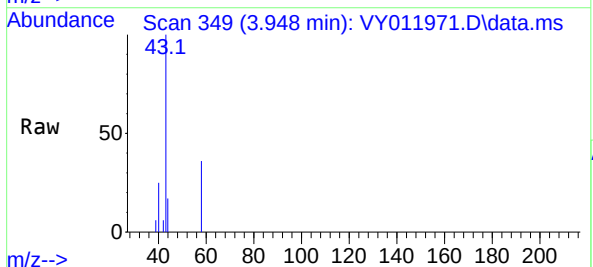
Instrument :
MSVOA_Y
ClientSampleId :
VOC-8-3051

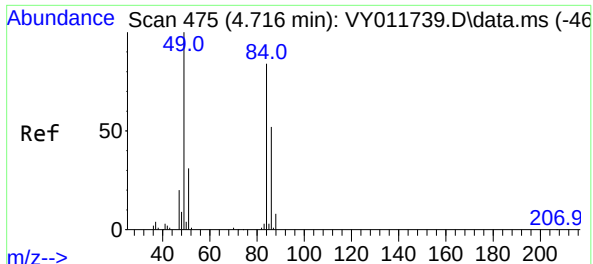
Tgt Ion:168 Resp: 193071
Ion Ratio Lower Upper
168 100
99 55.5 44.0 66.0



#16
Acetone
Concen: 9.830 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011971.D
Acq: 22 Dec 2022 13:51

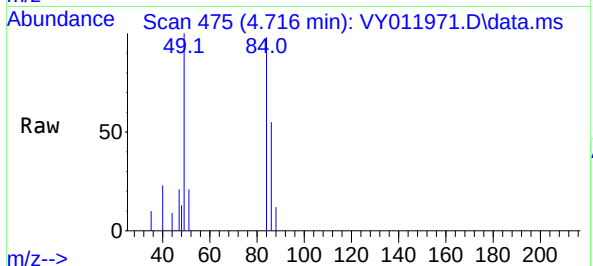
Tgt Ion: 43 Resp: 2935
Ion Ratio Lower Upper
43 100
58 35.9 27.9 41.9



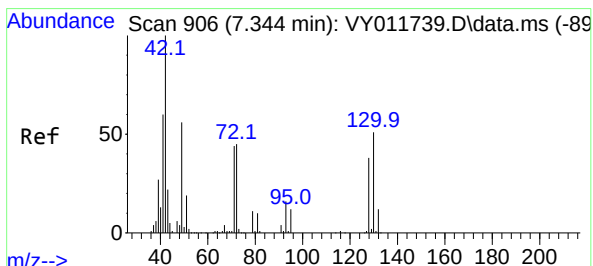
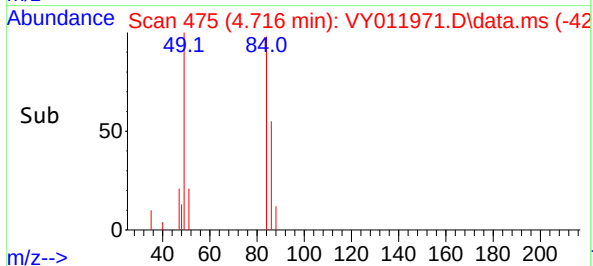
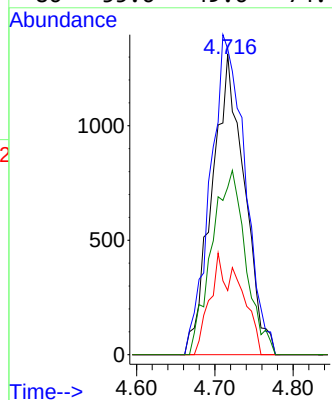


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011971.D
Acq: 22 Dec 2022 13:51

Instrument :
MSVOA_Y
ClientSampleId :
VOC-8-3051

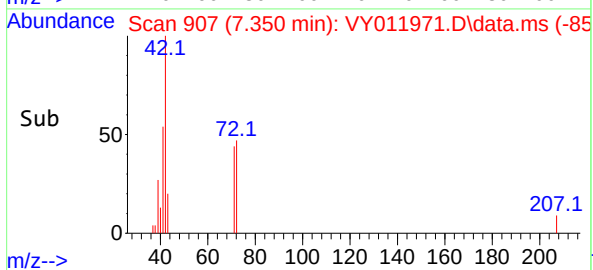
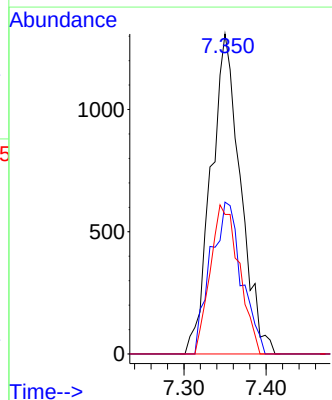
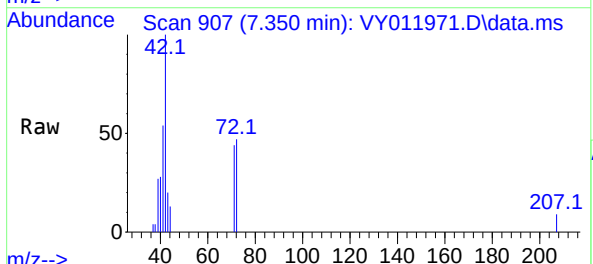


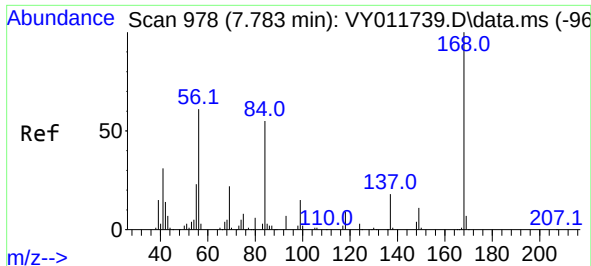
Tgt Ion: 84 Resp: 3770
Ion Ratio Lower Upper
84 100
49 101.7 95.4 143.2
51 21.3 29.9 44.9#
86 55.6 49.6 74.4



#29
Tetrahydrofuran
Concen: 8.891 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY011971.D
Acq: 22 Dec 2022 13:51

Tgt Ion: 42 Resp: 3264
Ion Ratio Lower Upper
42 100
72 49.8 37.0 55.6
71 45.7 34.9 52.3

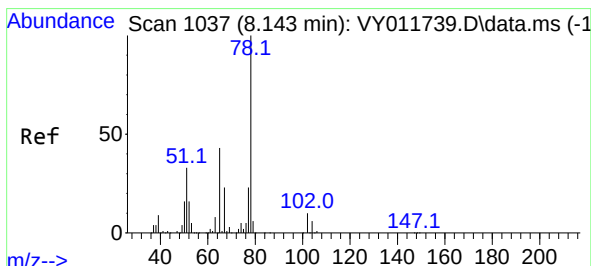
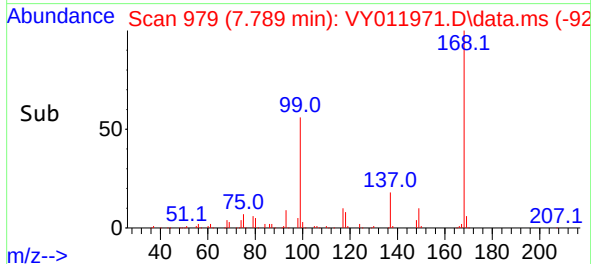
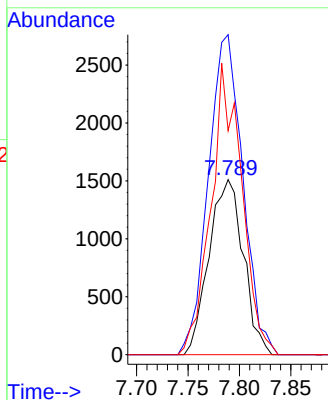
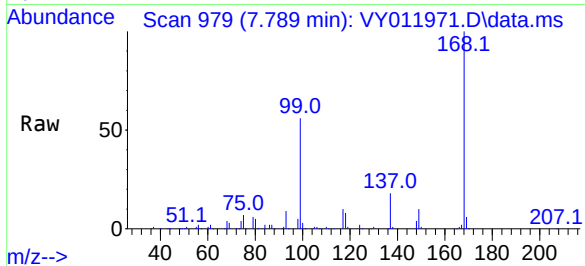




#31
Cyclohexane
Concen: 1.072 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011971.D
Acq: 22 Dec 2022 13:51

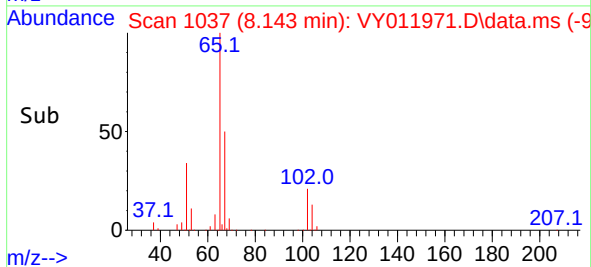
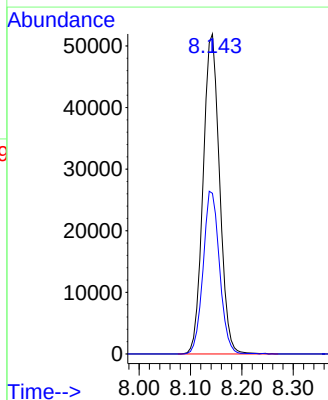
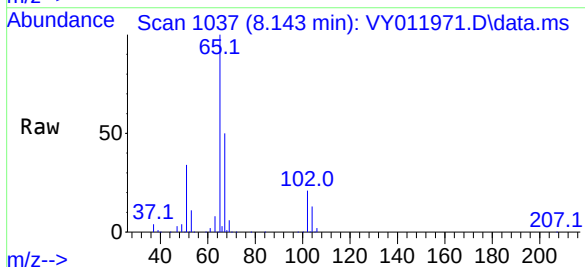
Instrument :
MSVOA_Y
ClientSampleId :
VOC-8-3051

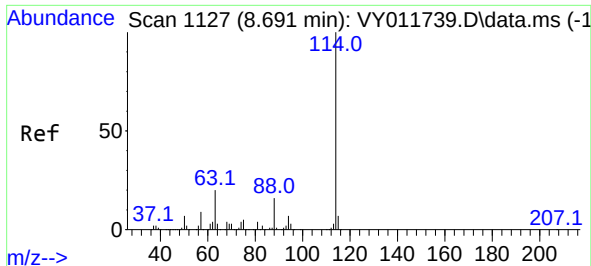
Tgt Ion: 56 Resp: 3510
Ion Ratio Lower Upper
56 100
69 182.8 29.2 43.8#
84 127.9 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 59.334 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011971.D
Acq: 22 Dec 2022 13:51

Tgt Ion: 65 Resp: 115414
Ion Ratio Lower Upper
65 100
67 50.6 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: VY011971.D

Acq: 22 Dec 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

VOC-8-3051

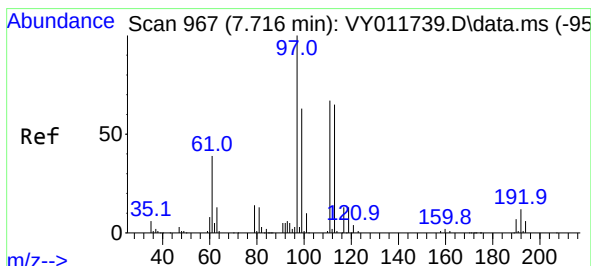
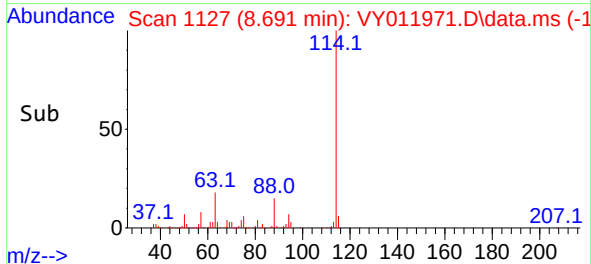
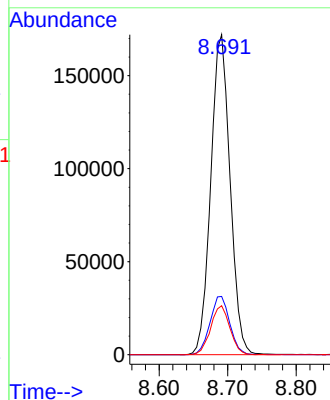
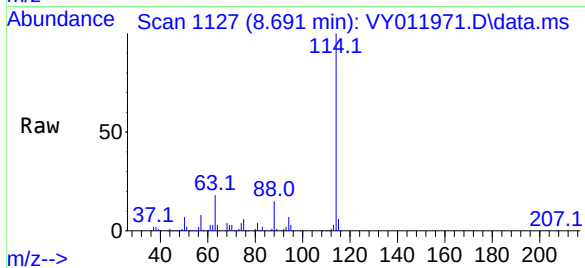
Tgt Ion:114 Resp: 336948

Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.6

88 15.3 0.0 32.2



#35

Dibromofluoromethane

Concen: 51.658 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011971.D

Acq: 22 Dec 2022 13:51

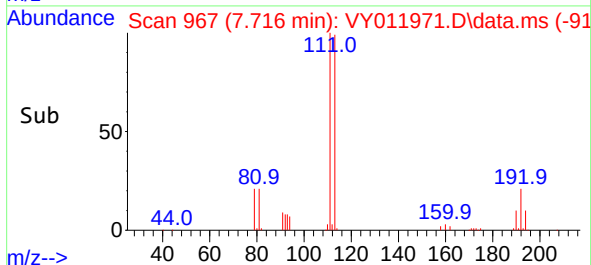
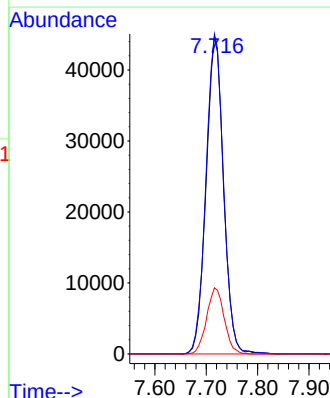
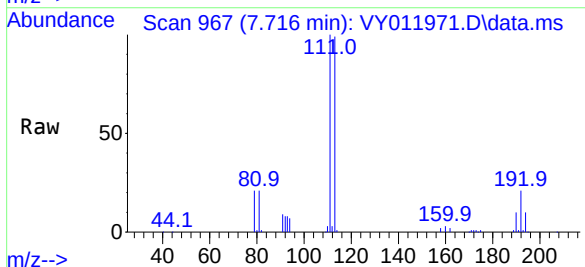
Tgt Ion:113 Resp: 104789

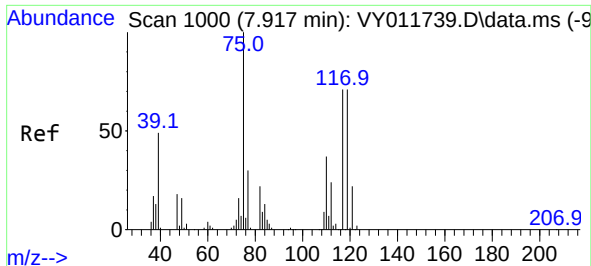
Ion Ratio Lower Upper

113 100

111 102.1 83.0 124.4

192 21.1 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.402 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011971.D

Acq: 22 Dec 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

VOC-8-3051

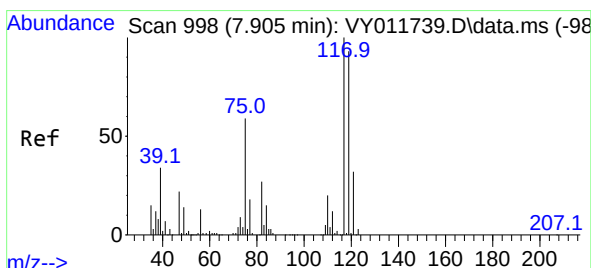
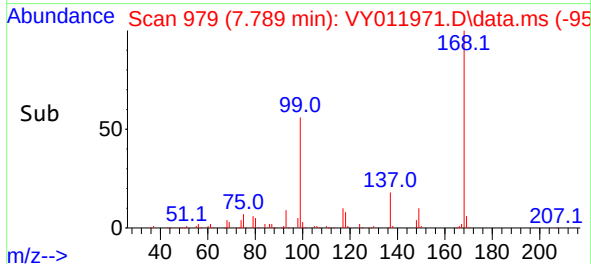
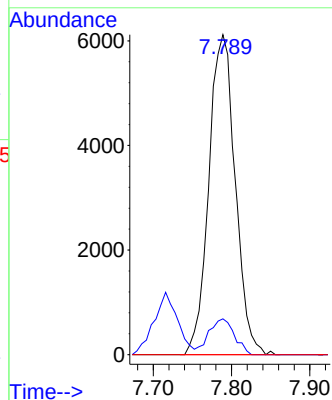
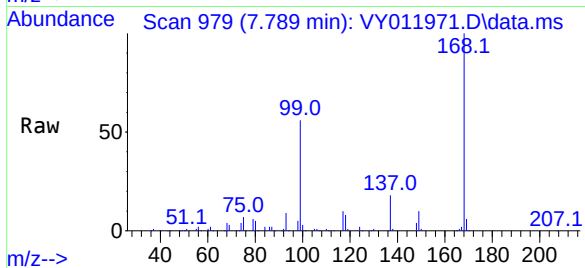
Tgt Ion: 75 Resp: 14322

Ion Ratio Lower Upper

75 100

110 10.9 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.058 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011971.D

Acq: 22 Dec 2022 13:51

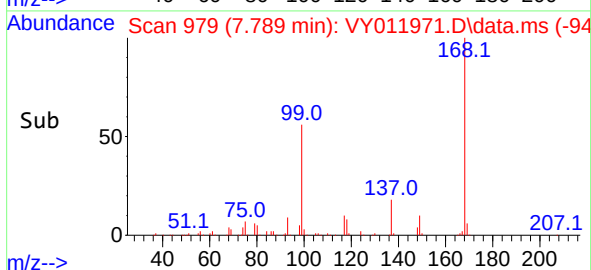
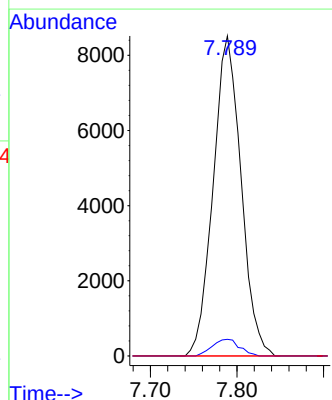
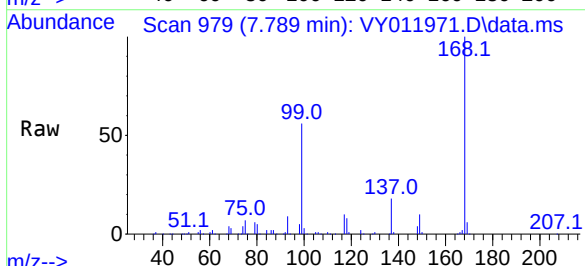
Tgt Ion: 117 Resp: 19009

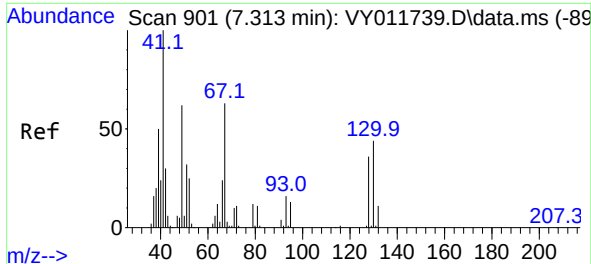
Ion Ratio Lower Upper

117 100

119 5.2 73.8 110.8#

121 0.0 25.2 37.8#



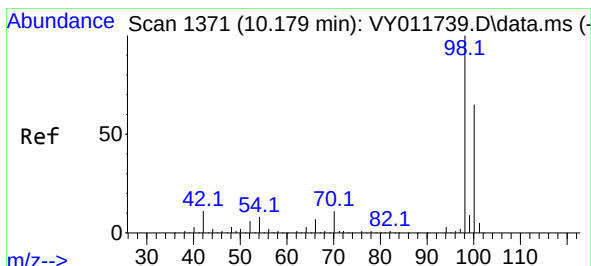
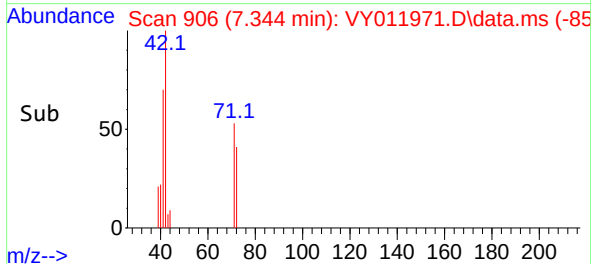
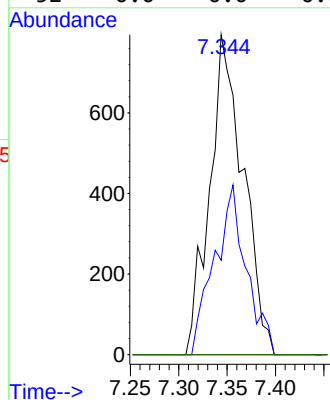
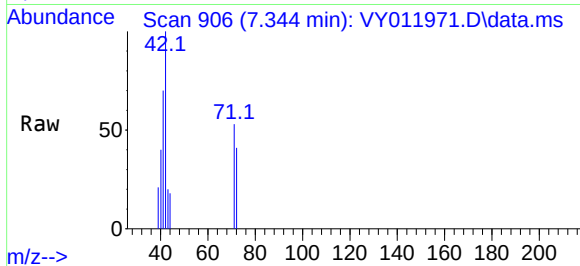


#41
Methacrylonitrile
Concen: 2.721 ug/l
RT: 7.344 min Scan# 901
Delta R.T. 0.030 min
Lab File: VY011971.D
Acq: 22 Dec 2022 13:51

Instrument :
MSVOA_Y
ClientSampleId :
VOC-8-3051

Tgt Ion: 41 Resp: 1921

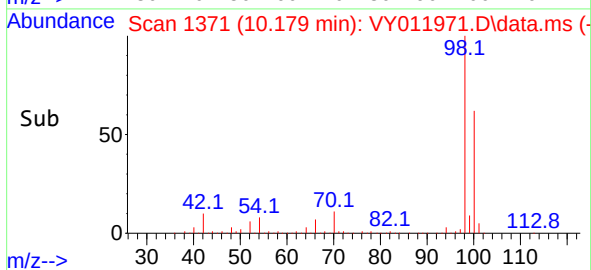
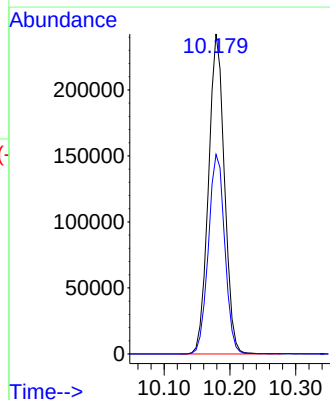
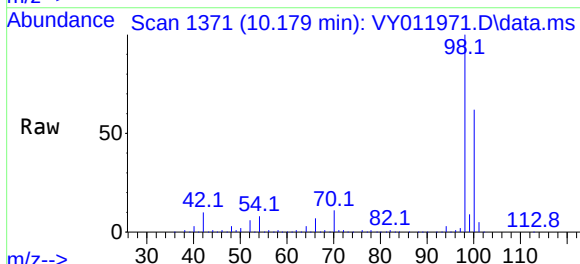
Ion	Ratio	Lower	Upper
41	100		
39	50.4	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

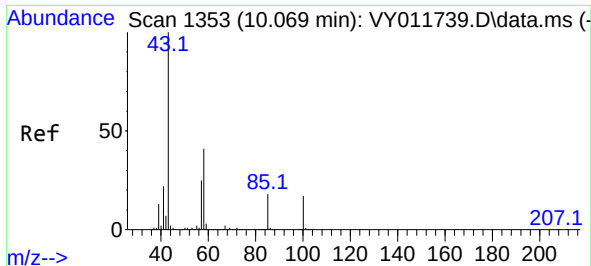


#50
Toluene-d8
Concen: 49.746 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011971.D
Acq: 22 Dec 2022 13:51

Tgt Ion: 98 Resp: 409419

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.9	77.9

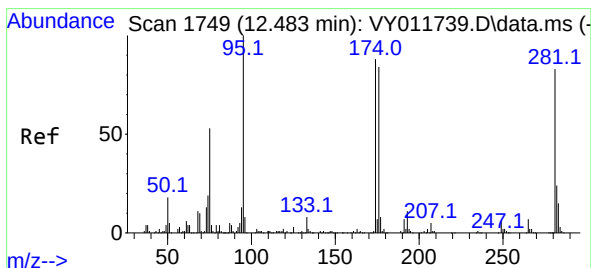
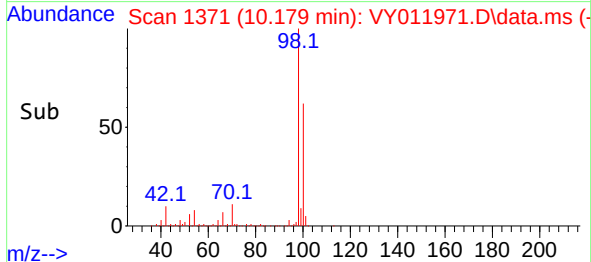
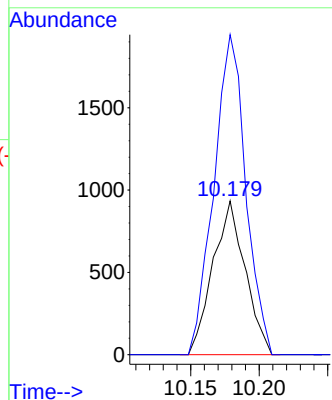
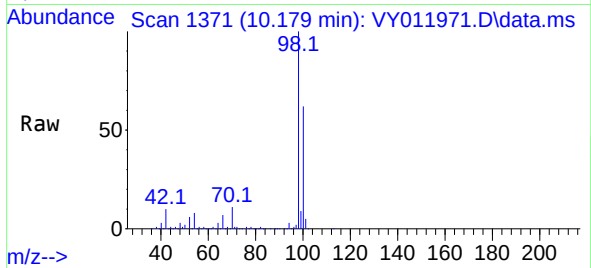




#51
4-Methyl-2-Pentanone
Concen: 1.077 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY011971.D
Acq: 22 Dec 2022 13:51

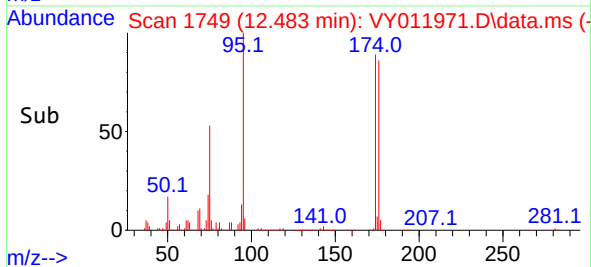
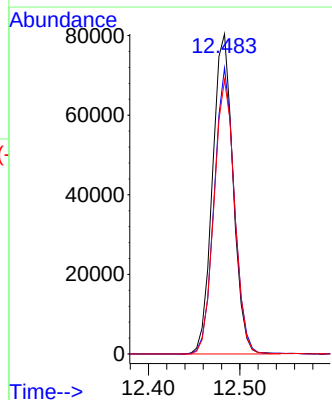
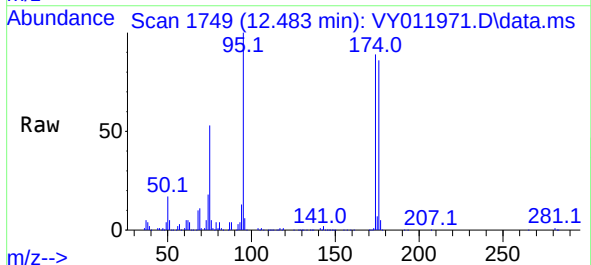
Instrument :
MSVOA_Y
ClientSampleId :
VOC-8-3051

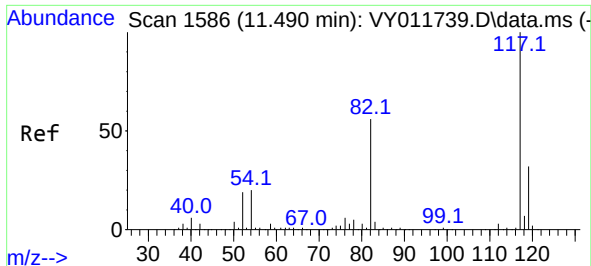
Tgt Ion: 43 Resp: 1531
Ion Ratio Lower Upper
43 100
58 205.3 32.9 49.3#



#62
4-Bromofluorobenzene
Concen: 45.411 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011971.D
Acq: 22 Dec 2022 13:51

Tgt Ion: 95 Resp: 125698
Ion Ratio Lower Upper
95 100
174 87.6 0.0 172.0
176 85.5 0.0 167.6

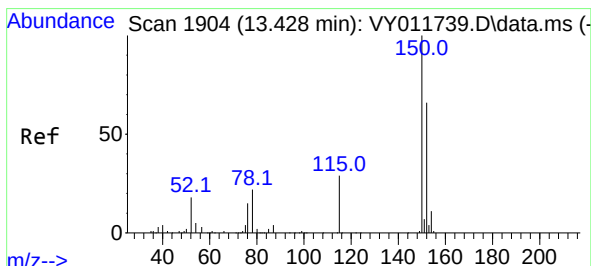
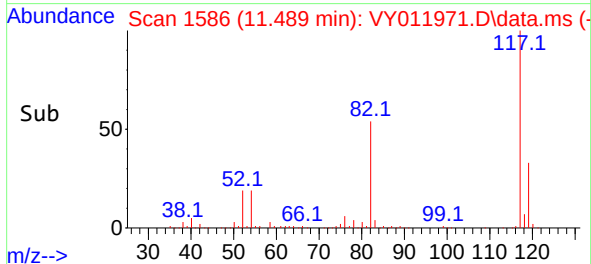
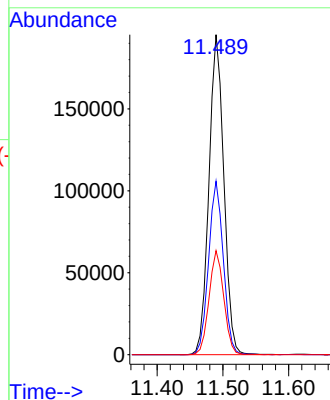
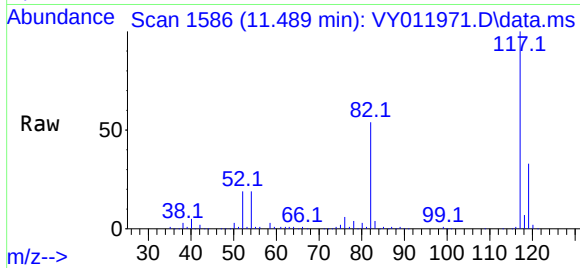




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011971.D
Acq: 22 Dec 2022 13:51

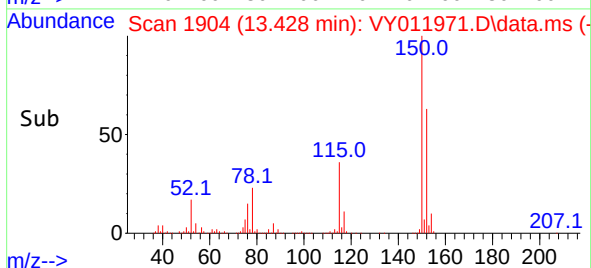
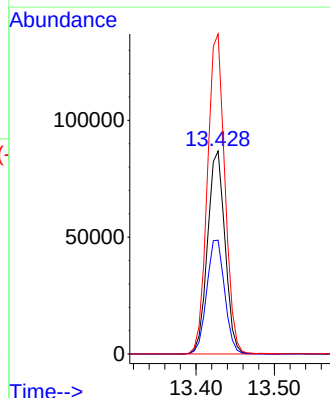
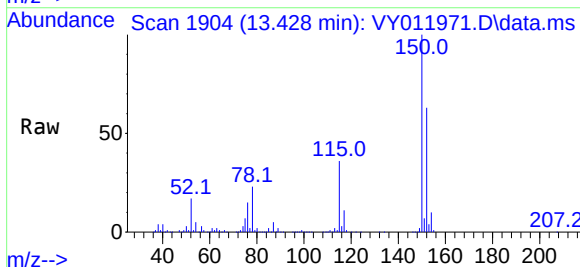
Instrument :
MSVOA_Y
ClientSampleId :
VOC-8-3051

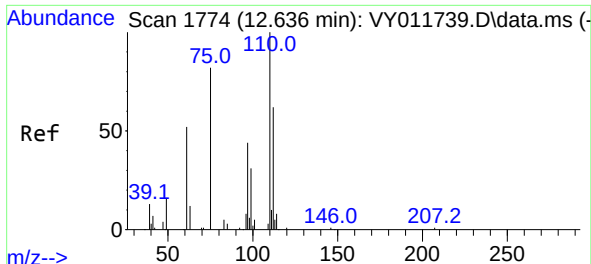
Tgt Ion:117 Resp: 308269
Ion Ratio Lower Upper
117 100
82 54.2 44.8 67.2
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011971.D
Acq: 22 Dec 2022 13:51

Tgt Ion:152 Resp: 134179
Ion Ratio Lower Upper
152 100
115 57.7 29.1 87.3
150 157.8 0.0 342.6

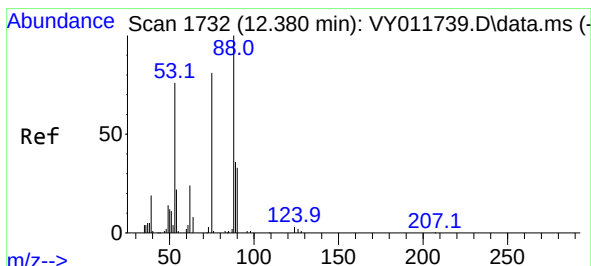
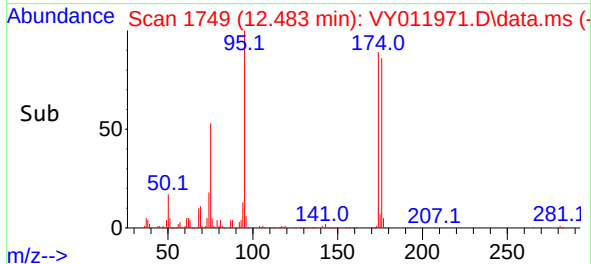
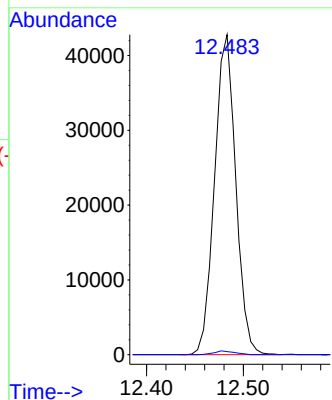
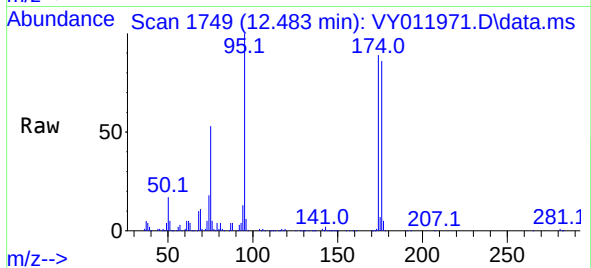




#76
1,2,3-Trichloropropane
Concen: 38.971 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011971.D
Acq: 22 Dec 2022 13:51

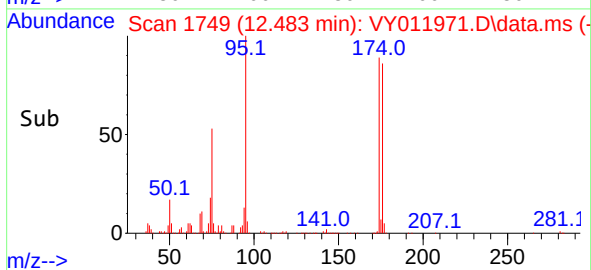
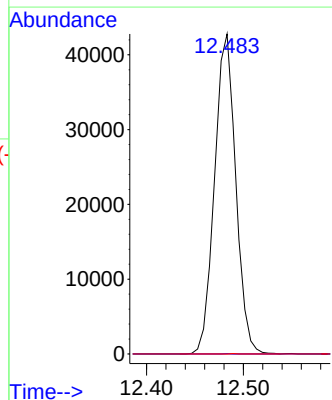
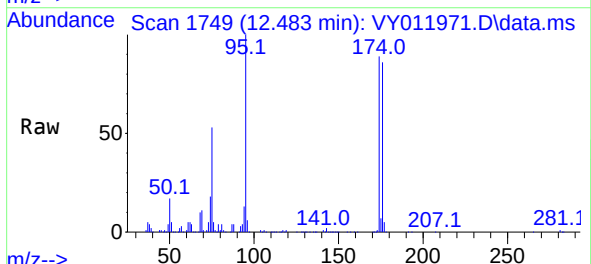
Instrument :
MSVOA_Y
ClientSampleId :
VOC-8-3051

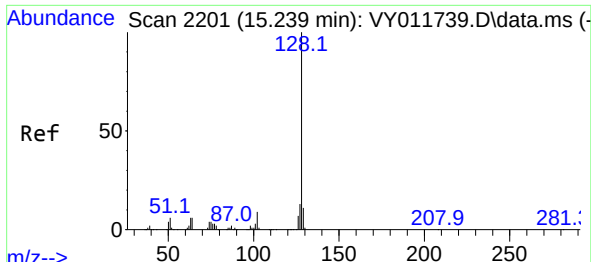
Tgt Ion: 75 Resp: 65068
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.723 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011971.D
Acq: 22 Dec 2022 13:51

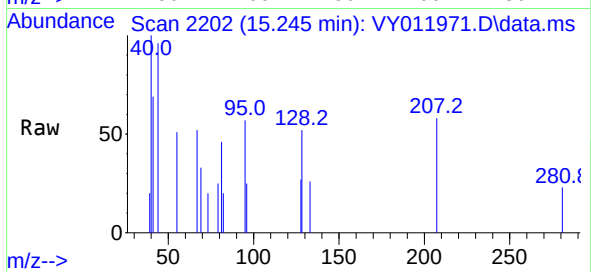
Tgt Ion: 75 Resp: 65068
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 2.836 ug/l
RT: 15.245 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY011971.D
Acq: 22 Dec 2022 13:51

Instrument :
MSVOA_Y
ClientSampleId :
VOC-8-3051



Tgt Ion:128 Resp: 303
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

