

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007897.D
 Acq On : 18 Mar 2022 13:13
 Operator : SY/MD
 Sample : N1919-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Mar 19 00:12:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

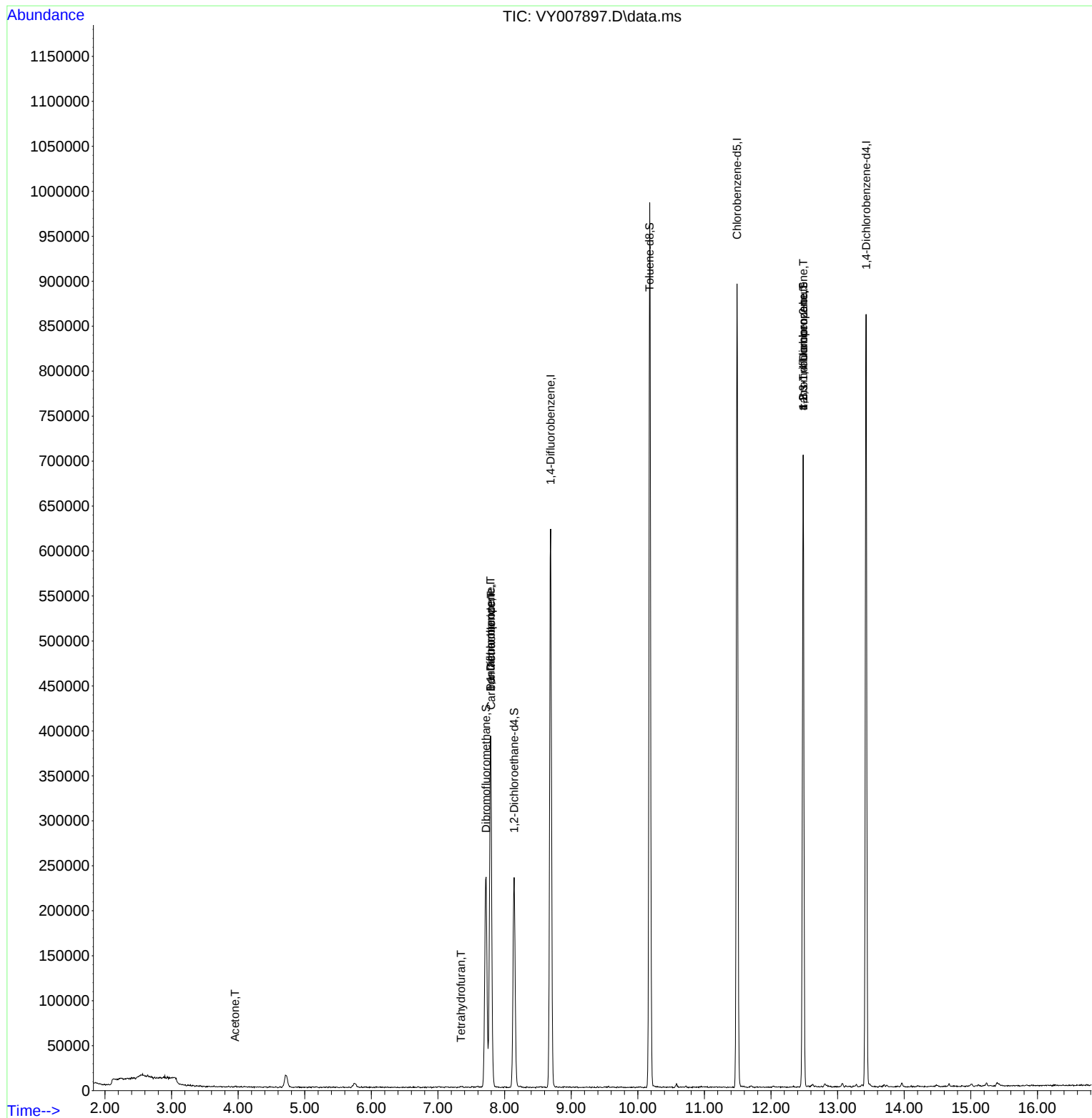
Internal Standards						
1) Pentafluorobenzene	7.789	168	301371	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	544709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	492203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	212235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	179079	52.115	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.240%	
35) Dibromofluoromethane	7.722	113	169588	44.331	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 88.660%	
50) Toluene-d8	10.179	98	646670	56.786	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 113.580%	
62) 4-Bromofluorobenzene	12.483	95	228223	41.569	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 83.140%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	202	Below Cal	#	43
3) Chloromethane	2.113	50	1347	Below Cal	#	79
4) Vinyl Chloride	2.266	62	255	Below Cal	#	43
5) Bromomethane	2.668	94	907	Below Cal		99
16) Acetone	3.954	43	1214	1.332	ug/l	98
17) Carbon Disulfide	4.186	76	46	Below Cal	#	75
18) Methyl Acetate	4.479	43	121	Below Cal	#	63
20) Methylene Chloride	4.716	84	11312	Below Cal	#	77
29) Tetrahydrofuran	7.344	42	1159	1.239	ug/l	# 68
31) Cyclohexane	7.789	56	6291	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	24293	4.282	ug/l	# 50
38) Carbon Tetrachloride	7.795	117	30318	5.001	ug/l	# 14
39) Methylcyclohexane	9.179	83	31	Below Cal	#	16
76) 1,2,3-Trichloropropane	12.483	75	115375	38.140	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	115375	80.109	ug/l	# 7

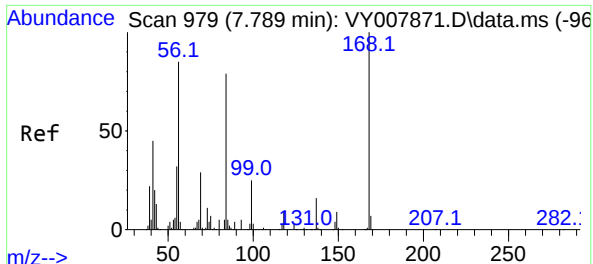
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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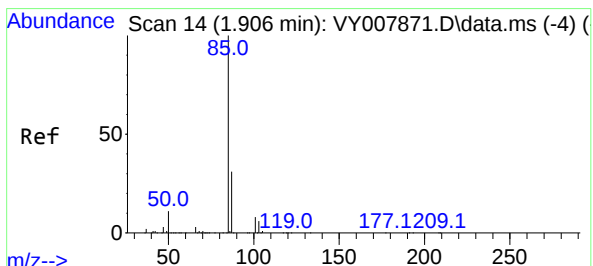
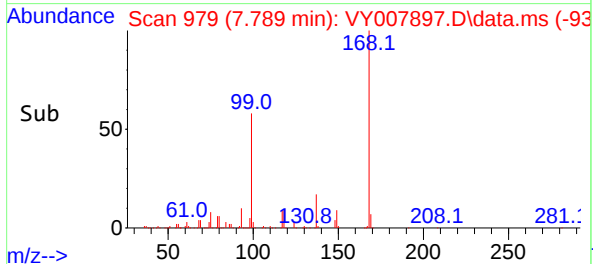
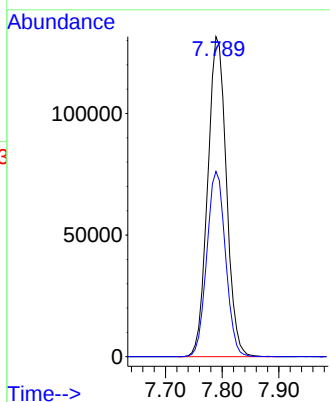
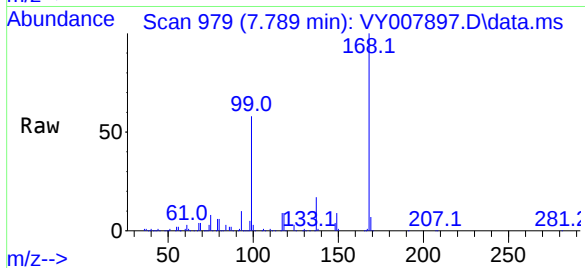




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007897.D
Acq: 18 Mar 2022 13:13

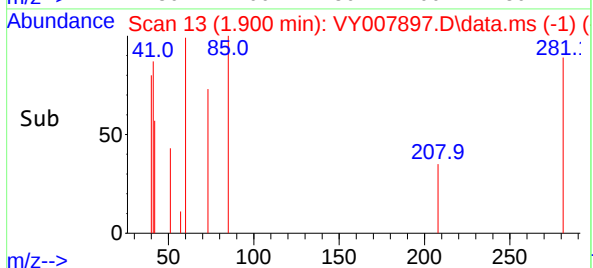
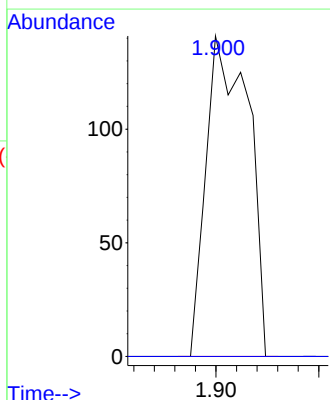
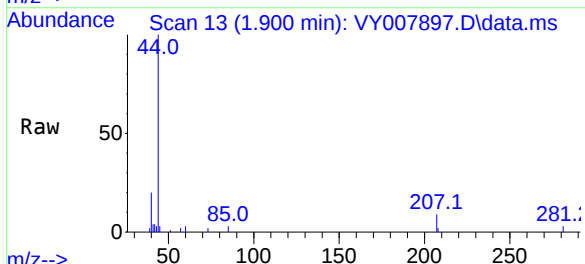
Instrument :
MSVOA_Y
ClientSampleId :
VOC

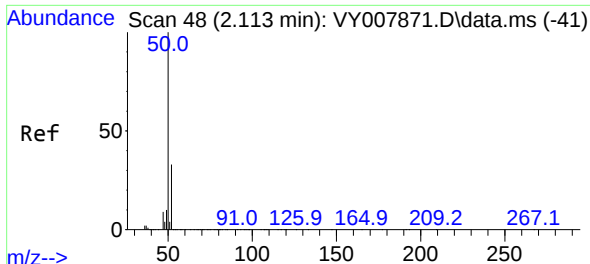
Tgt Ion:168 Resp: 301371
Ion Ratio Lower Upper
168 100
99 57.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY007897.D
Acq: 18 Mar 2022 13:13

Tgt Ion: 85 Resp: 202
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

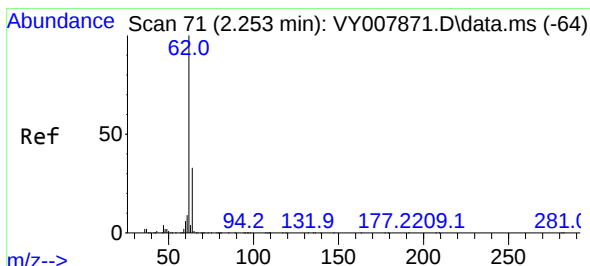
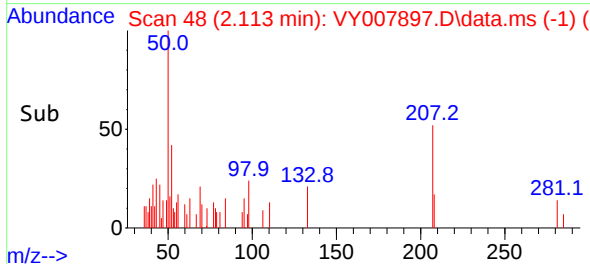
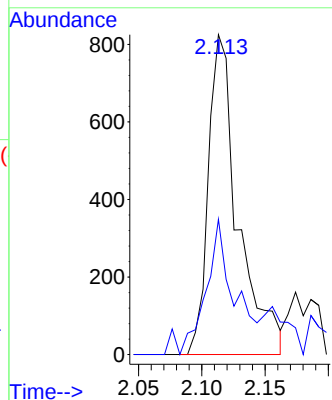
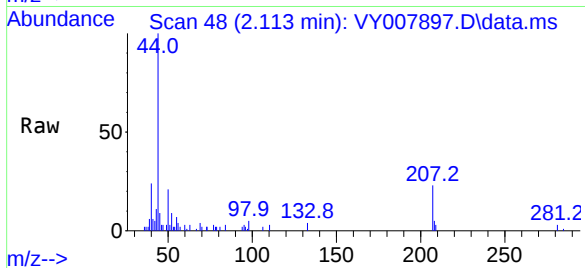




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007897.D
Acq: 18 Mar 2022 13:13

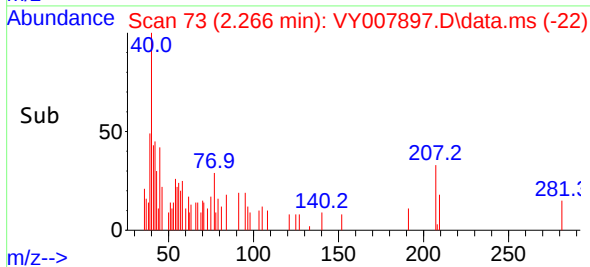
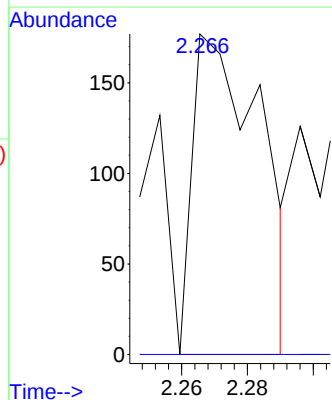
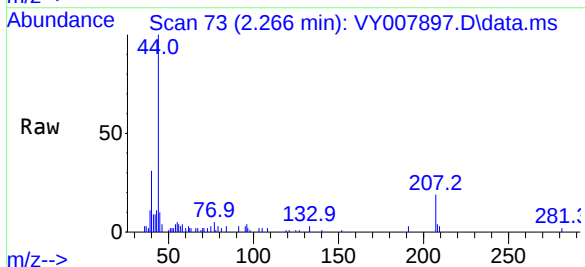
Instrument :
MSVOA_Y
ClientSampleId :
VOC

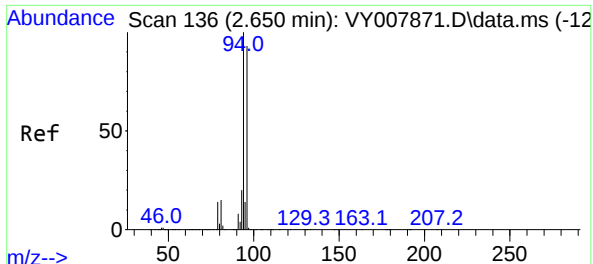
Tgt Ion: 50 Resp: 1347
Ion Ratio Lower Upper
50 100
52 42.3 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.266 min Scan# 73
Delta R.T. 0.012 min
Lab File: VY007897.D
Acq: 18 Mar 2022 13:13

Tgt Ion: 62 Resp: 255
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

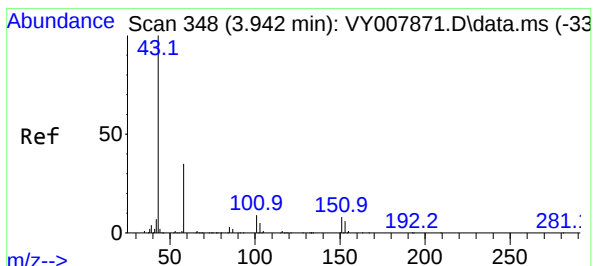
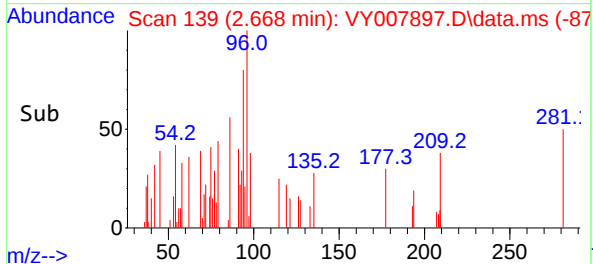
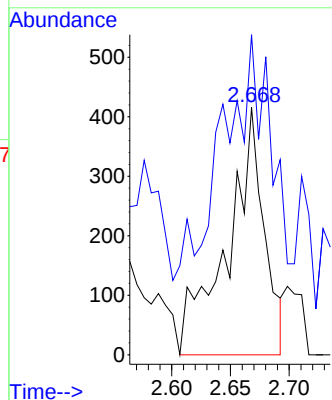
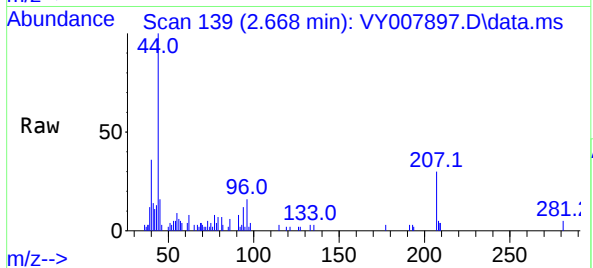




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY007897.D
Acq: 18 Mar 2022 13:13

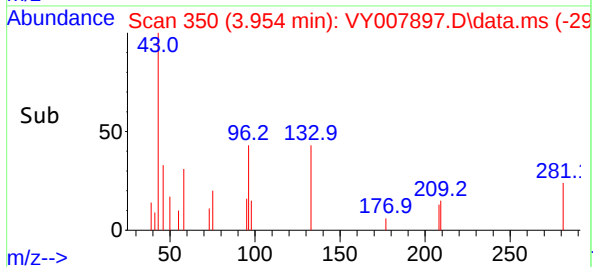
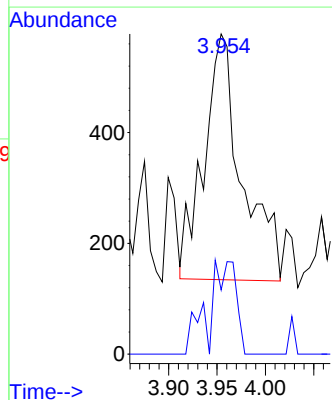
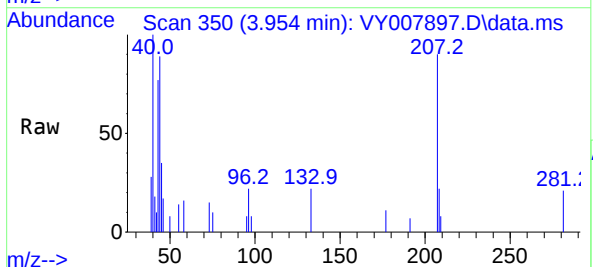
Instrument :
MSVOA_Y
ClientSampleId :
VOC

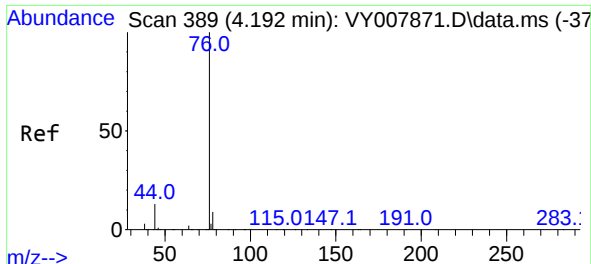
Tgt Ion: 94 Resp: 907
Ion Ratio Lower Upper
94 100
96 93.3 73.5 110.3



#16
Acetone
Concen: 1.332 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY007897.D
Acq: 18 Mar 2022 13:13

Tgt Ion: 43 Resp: 1214
Ion Ratio Lower Upper
43 100
58 26.4 22.0 33.0

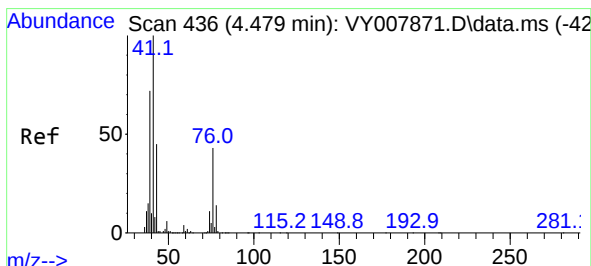
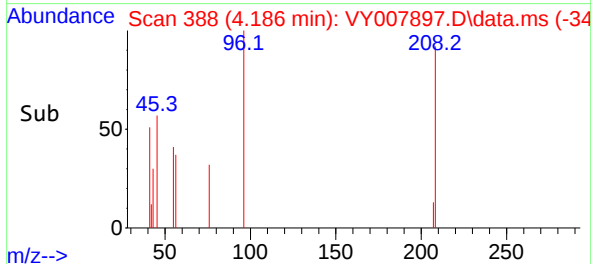
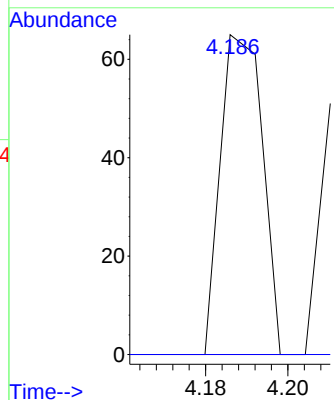
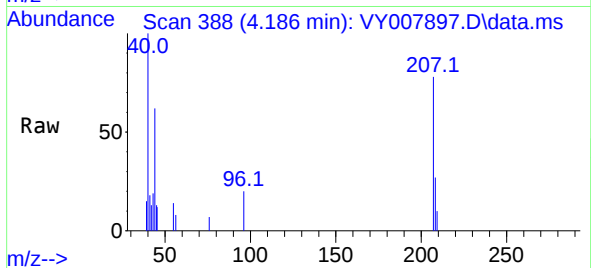




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 389
Delta R.T. -0.006 min
Lab File: VY007897.D
Acq: 18 Mar 2022 13:13

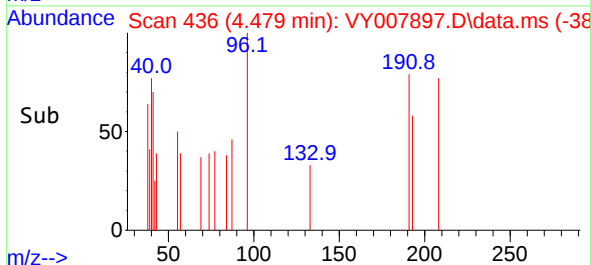
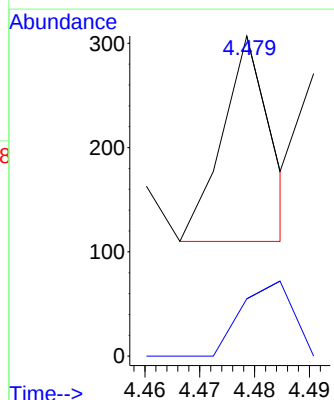
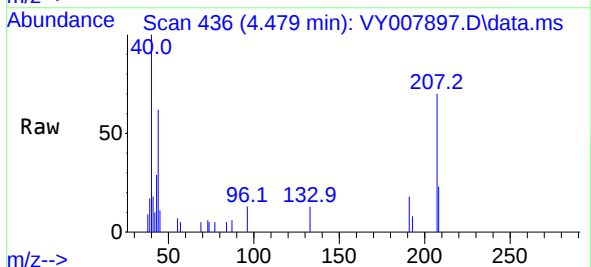
Instrument :
MSVOA_Y
ClientSampleId :
VOC

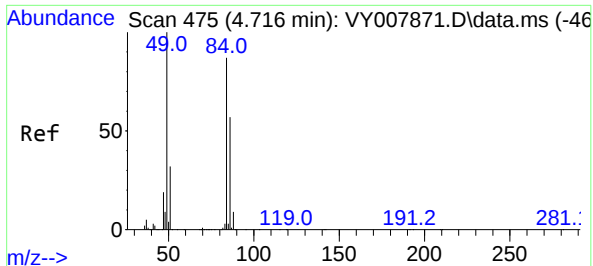
Tgt Ion: 76 Resp: 46
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 436
Delta R.T. 0.006 min
Lab File: VY007897.D
Acq: 18 Mar 2022 13:13

Tgt Ion: 43 Resp: 121
Ion Ratio Lower Upper
43 100
74 38.0 16.6 24.8#

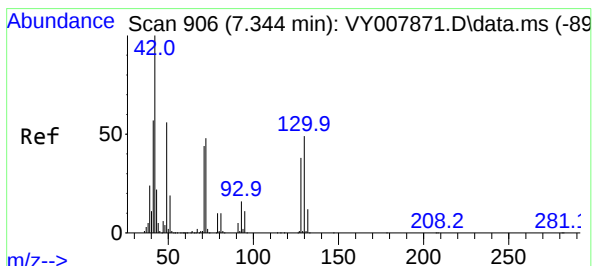
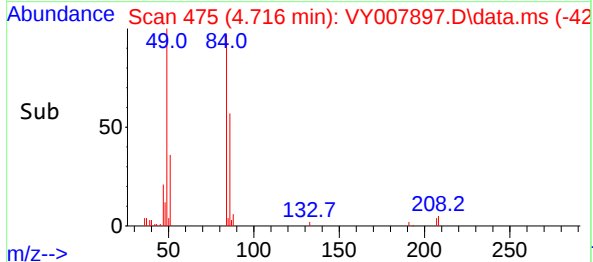
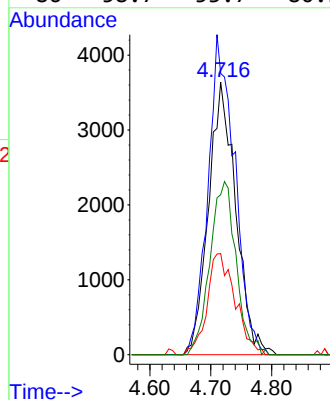
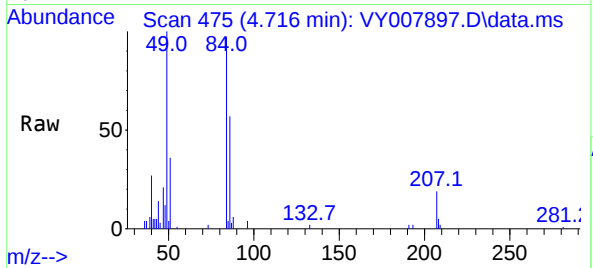




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007897.D
Acq: 18 Mar 2022 13:13

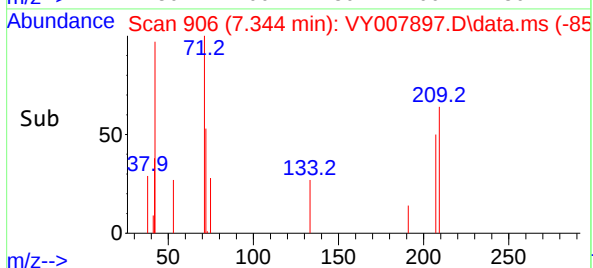
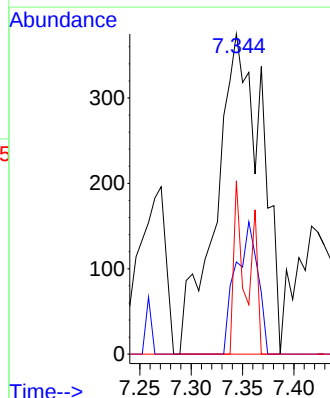
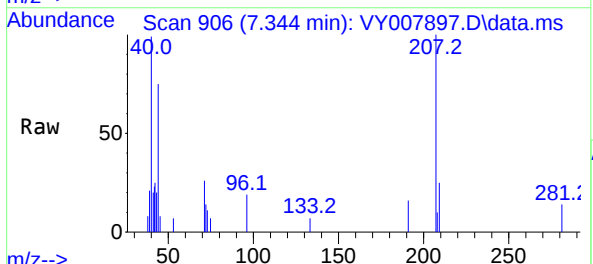
Instrument :
MSVOA_Y
ClientSampleId :
VOC

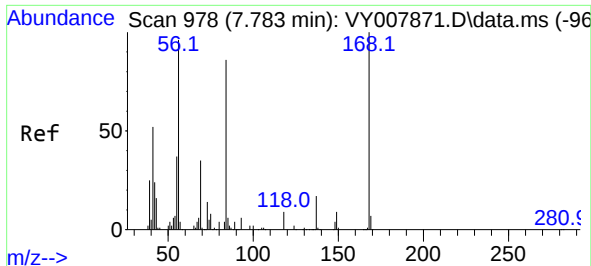
Tgt Ion: 84 Resp: 11312
Ion Ratio Lower Upper
84 100
49 103.1 114.4 171.6#
51 37.1 35.3 52.9
86 58.7 53.7 80.5



#29
Tetrahydrofuran
Concen: 1.239 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY007897.D
Acq: 18 Mar 2022 13:13

Tgt Ion: 42 Resp: 1159
Ion Ratio Lower Upper
42 100
72 20.0 30.3 45.5#
71 16.0 29.0 43.4#

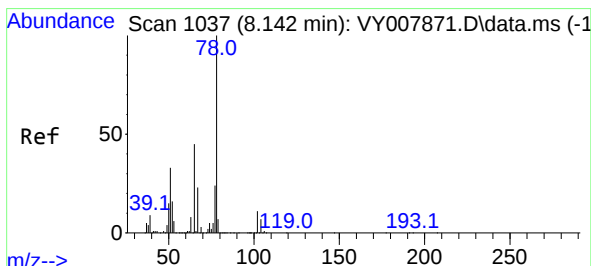
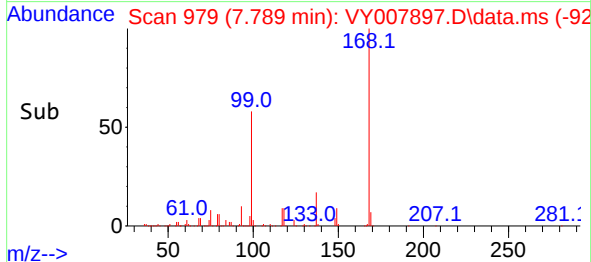
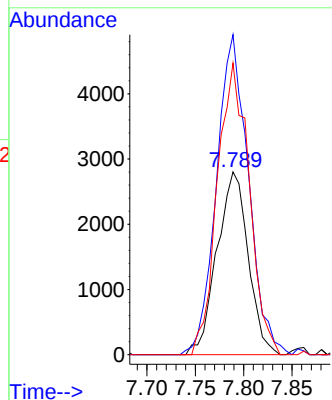
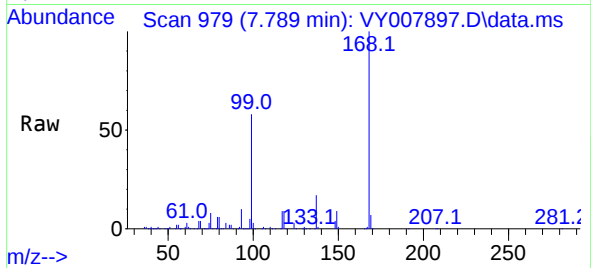




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007897.D
Acq: 18 Mar 2022 13:13

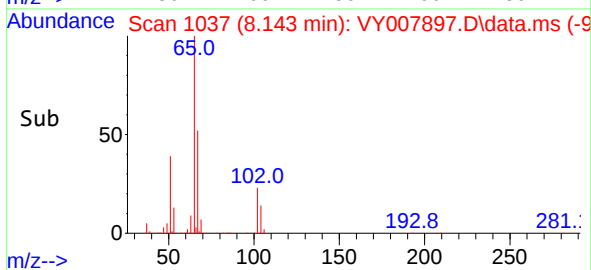
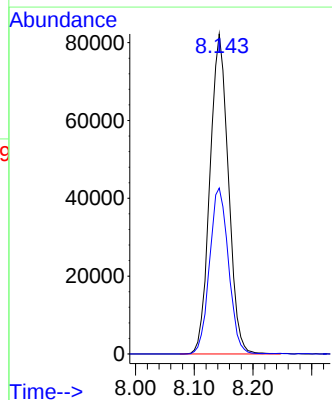
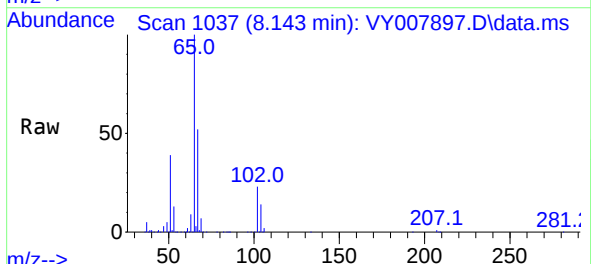
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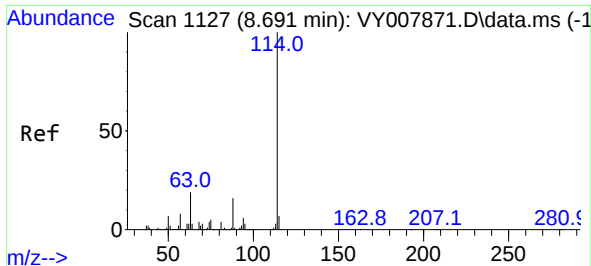
Tgt Ion: 56 Resp: 6291
Ion Ratio Lower Upper
56 100
69 175.2 26.7 40.1#
84 159.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 52.115 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY007897.D
Acq: 18 Mar 2022 13:13

Tgt Ion: 65 Resp: 179079
Ion Ratio Lower Upper
65 100
67 53.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007897.D

Acq: 18 Mar 2022 13:13

Instrument :

MSVOA_Y

ClientSampleId :

VOC

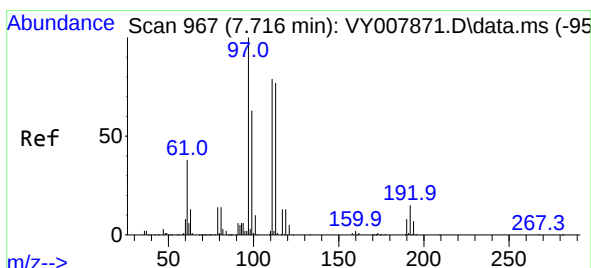
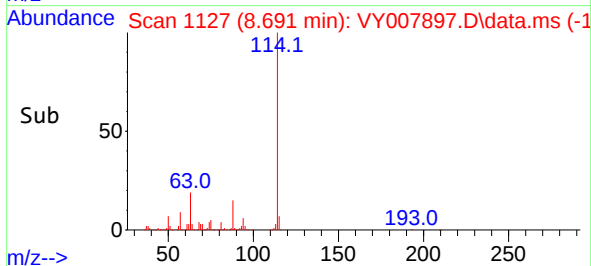
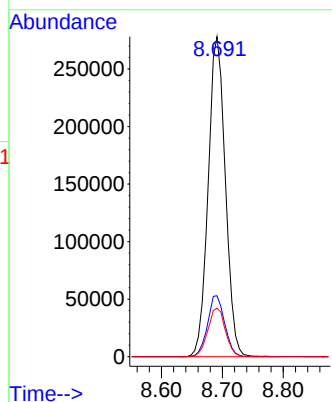
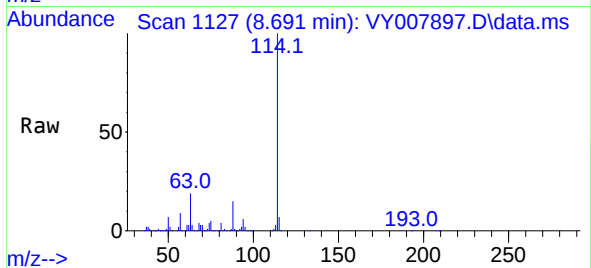
Tgt Ion:114 Resp: 544709

Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 44.331 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY007897.D

Acq: 18 Mar 2022 13:13

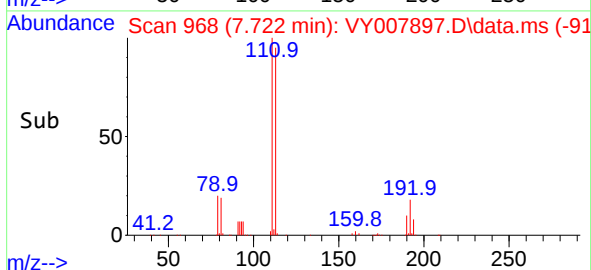
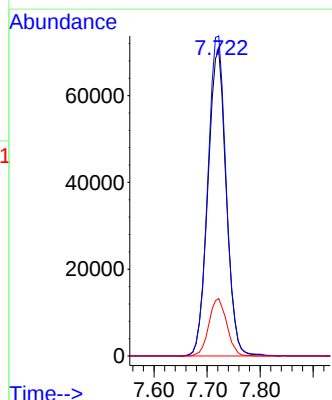
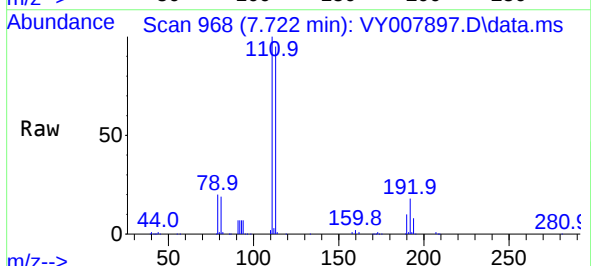
Tgt Ion:113 Resp: 169588

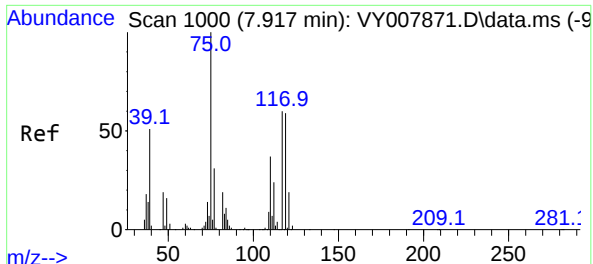
Ion Ratio Lower Upper

113 100

111 104.3 82.6 124.0

192 18.3 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.282 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY007897.D

Acq: 18 Mar 2022 13:13

Instrument :

MSVOA_Y

ClientSampleId :

VOC

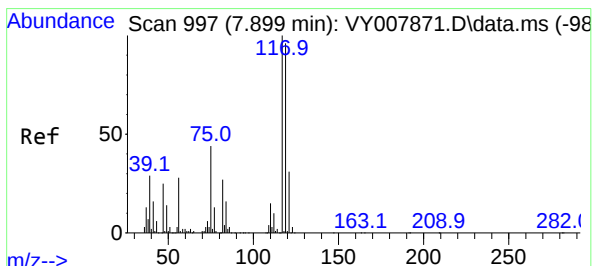
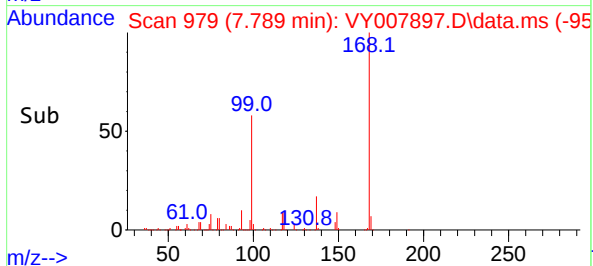
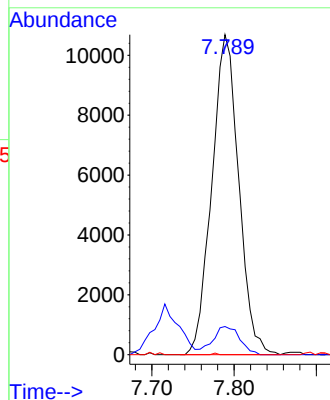
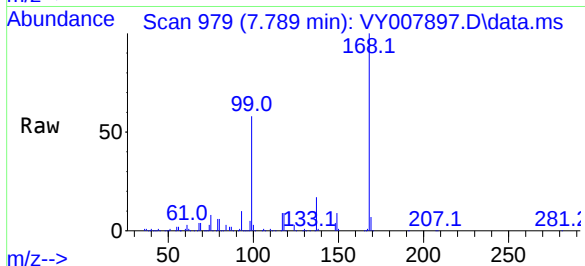
Tgt Ion: 75 Resp: 24293

Ion Ratio Lower Upper

75 100

110 8.7 17.1 51.2#

77 0.1 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.001 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY007897.D

Acq: 18 Mar 2022 13:13

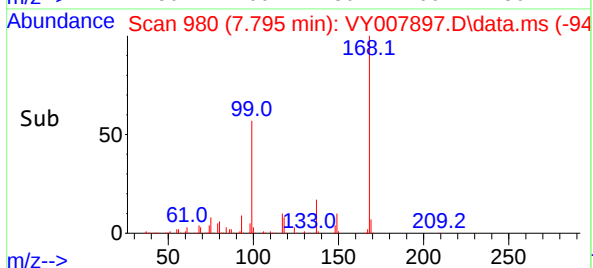
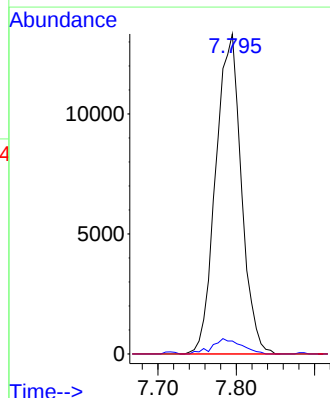
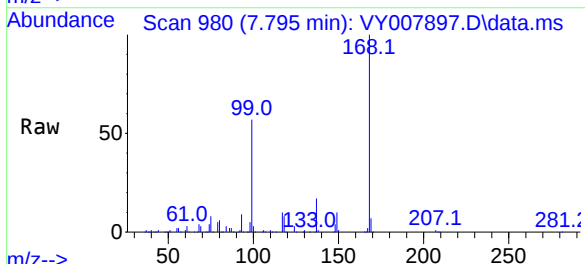
Tgt Ion: 117 Resp: 30318

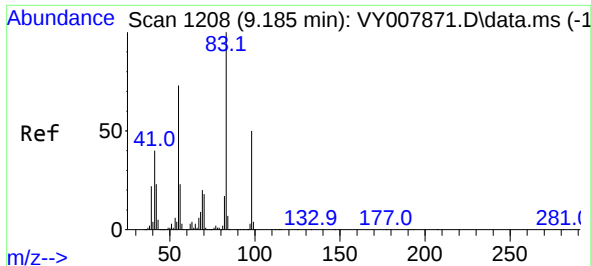
Ion Ratio Lower Upper

117 100

119 4.0 77.9 116.9#

121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: Below Cal

RT: 9.179 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY007897.D

Acq: 18 Mar 2022 13:13

Instrument :

MSVOA_Y

ClientSampleId :

VOC

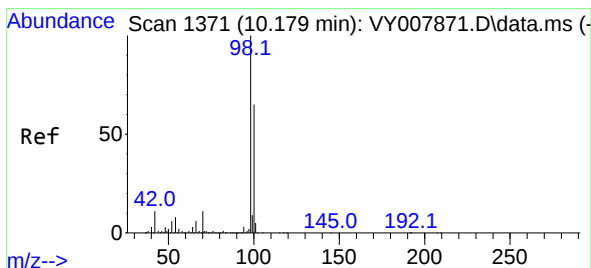
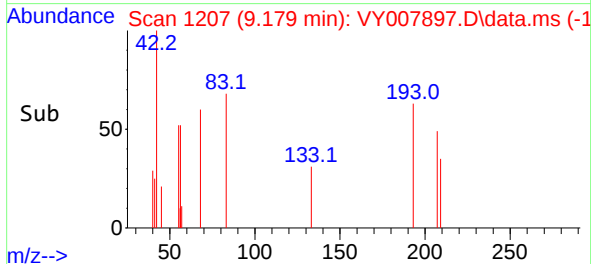
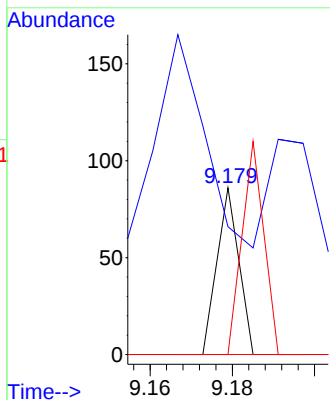
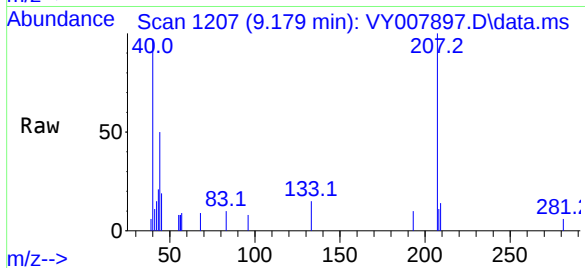
Tgt Ion: 83 Resp: 31

Ion Ratio Lower Upper

83 100

55 0.0 66.5 99.7#

98 0.0 37.9 56.9#



#50

Toluene-d8

Concen: 56.786 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY007897.D

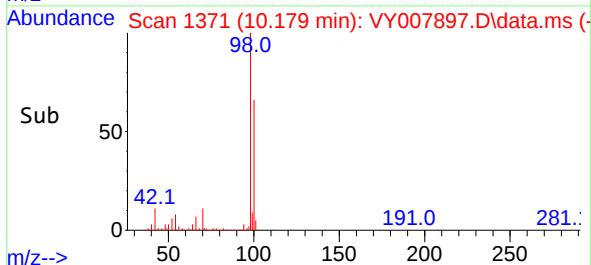
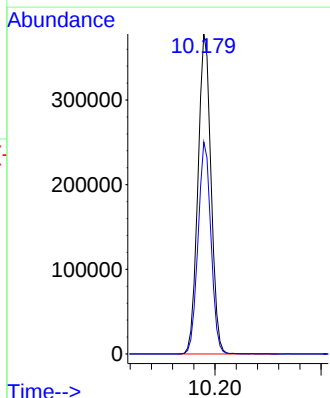
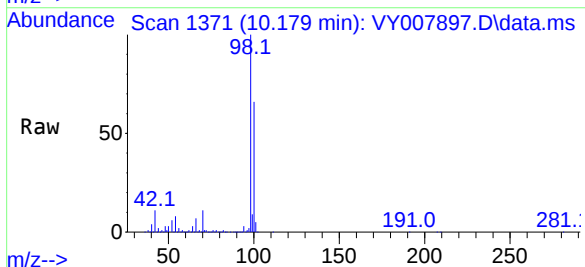
Acq: 18 Mar 2022 13:13

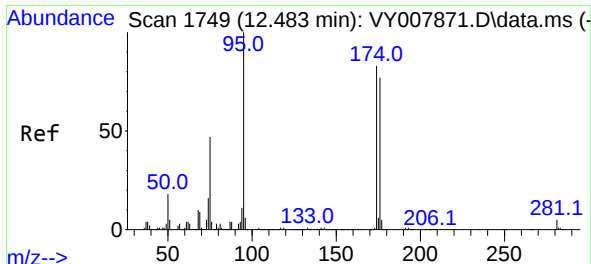
Tgt Ion: 98 Resp: 646670

Ion Ratio Lower Upper

98 100

100 65.4 50.2 75.2

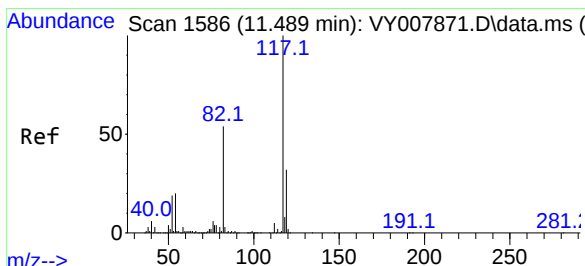
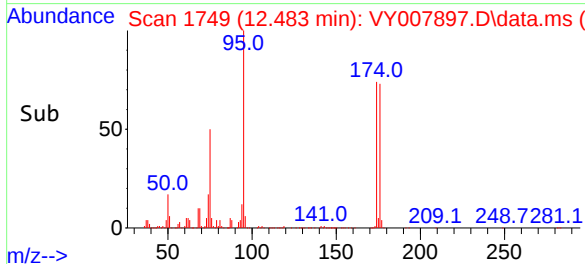
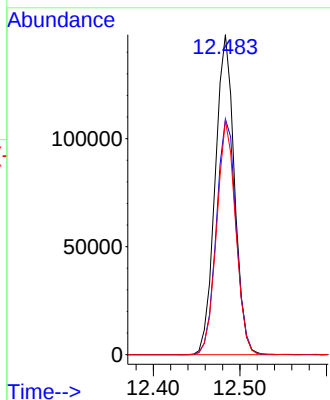
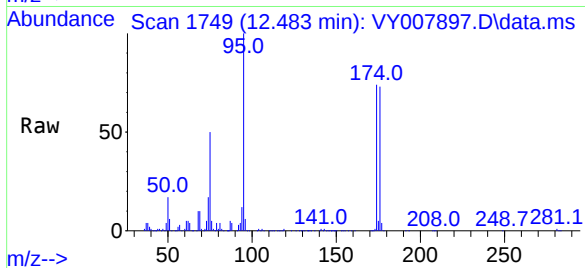




#62
4-Bromofluorobenzene
Concen: 41.569 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007897.D
Acq: 18 Mar 2022 13:13

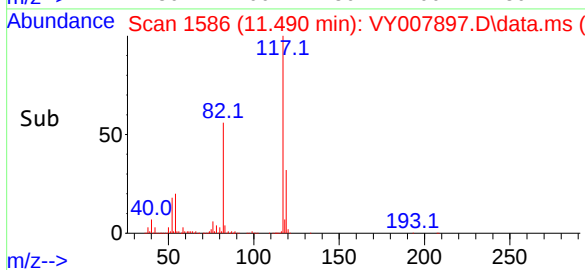
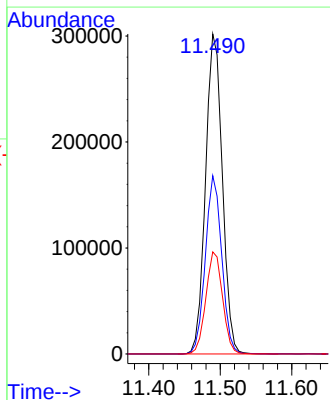
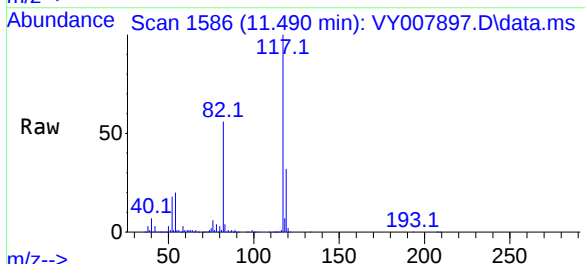
Instrument :
MSVOA_Y
ClientSampleId :
VOC

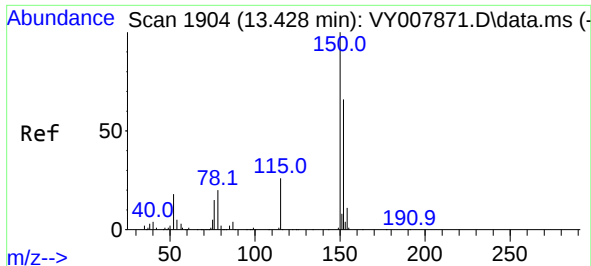
Tgt Ion: 95 Resp: 228223
Ion Ratio Lower Upper
95 100
174 75.5 0.0 177.0
176 72.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007897.D
Acq: 18 Mar 2022 13:13

Tgt Ion: 117 Resp: 492203
Ion Ratio Lower Upper
117 100
82 55.7 43.0 64.4
119 31.9 25.4 38.0

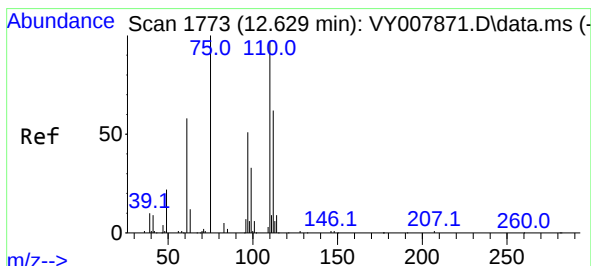
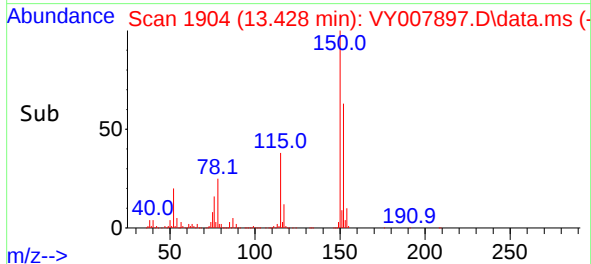
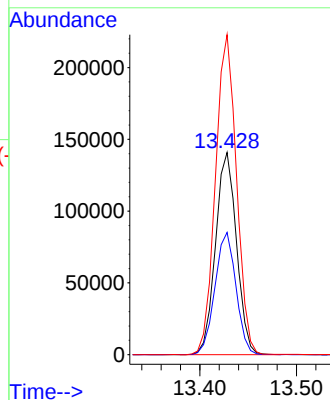
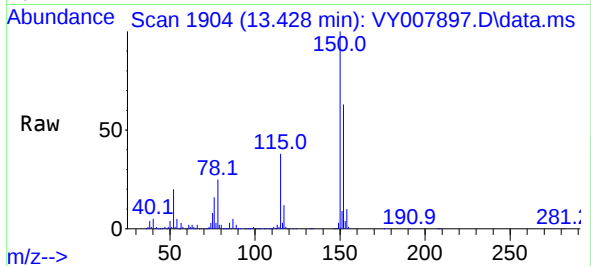




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007897.D
Acq: 18 Mar 2022 13:13

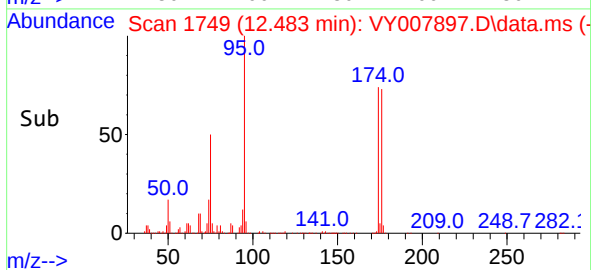
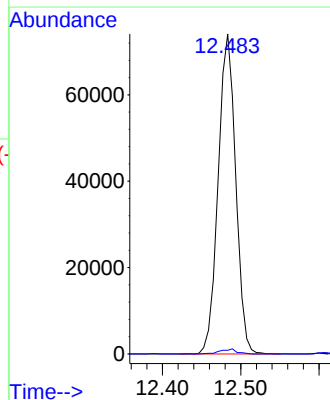
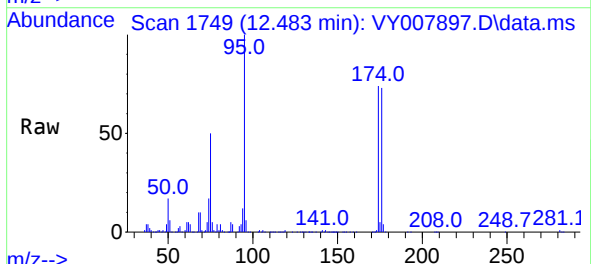
Instrument :
MSVOA_Y
ClientSampleId :
VOC

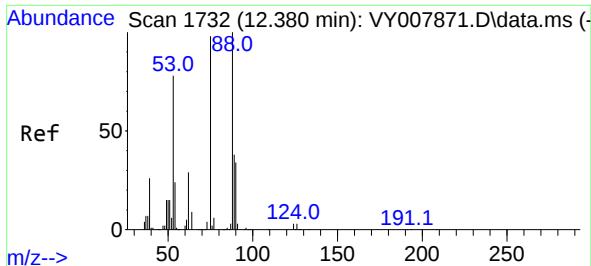
Tgt Ion:152 Resp: 212235
Ion Ratio Lower Upper
152 100
115 60.7 28.2 84.7
150 158.9 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 38.140 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY007897.D
Acq: 18 Mar 2022 13:13

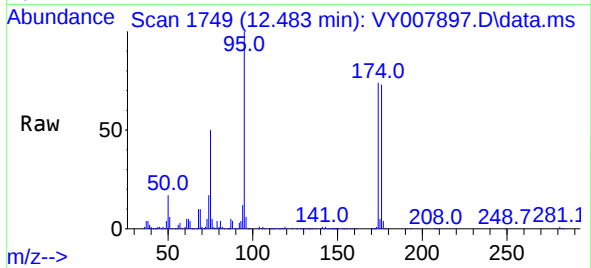
Tgt Ion: 75 Resp: 115375
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.109 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY007897.D
 Acq: 18 Mar 2022 13:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC



Tgt Ion: 75 Resp: 115375
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

