

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013023\
 Data File : VY012403.D
 Acq On : 30 Jan 2023 17:21
 Operator : KP/MD
 Sample : 01355-02
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Jan 31 01:49:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	16578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	24451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	21503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	8619	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	9532	71.021	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	142.040%
35) Dibromofluoromethane	7.716	113	7605	58.740	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	117.480%
50) Toluene-d8	10.179	98	28094	63.826	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	127.660%
62) 4-Bromofluorobenzene	12.483	95	8481	46.469	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.940%

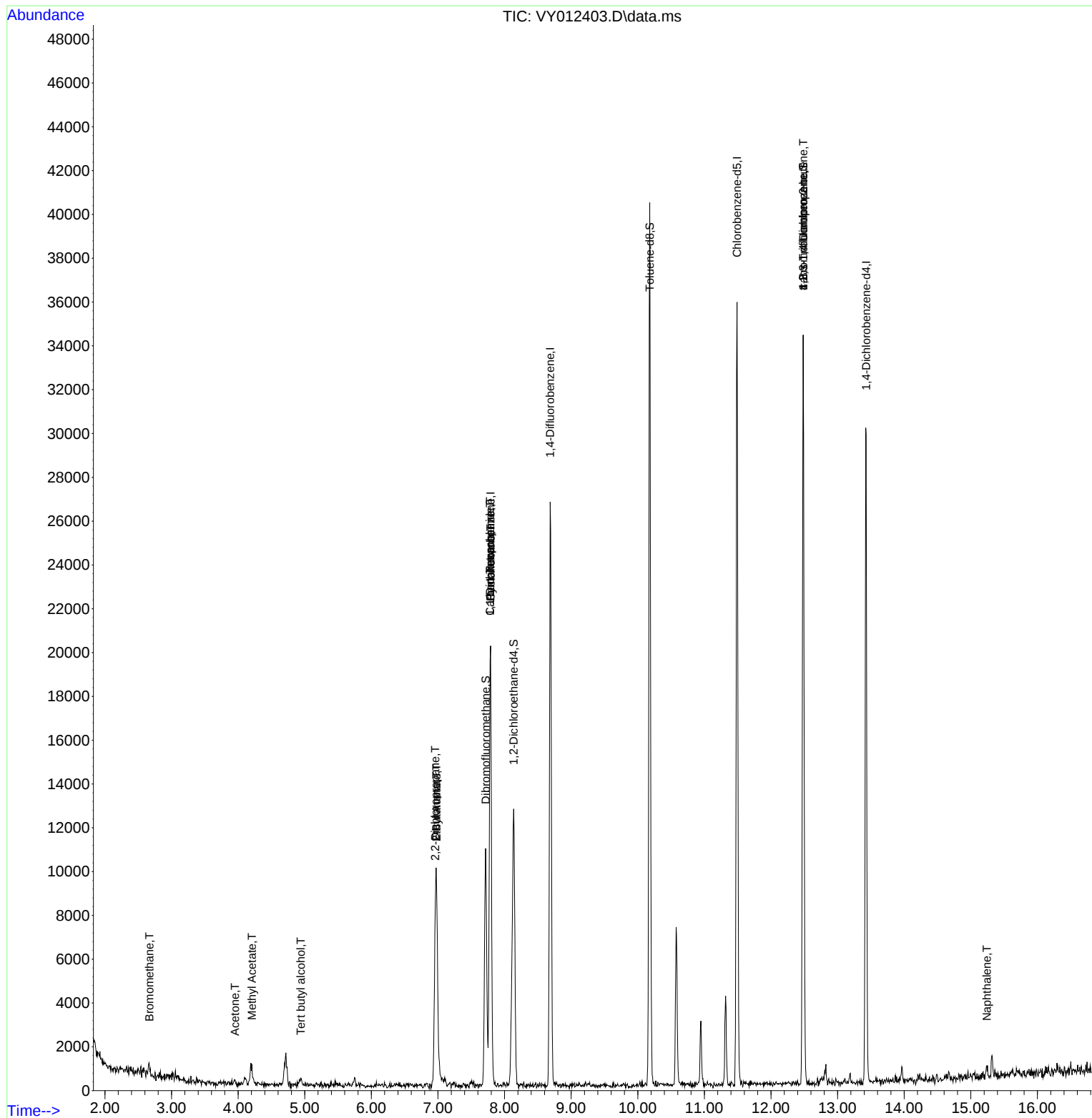
Target Compounds					Qvalue	
5) Bromomethane	2.668	94	229	1.897	ug/l #	76
11) Tert butyl alcohol	4.942	59	347	9.431	ug/l #	74
16) Acetone	3.954	43	287	6.217	ug/l #	40
18) Methyl Acetate	4.204	43	134	1.297	ug/l #	50
20) Methylene Chloride	4.710	84	1081	Below Cal	#	71
25) 2-Butanone	6.978	43	397	7.790	ug/l #	46
26) 2,2-Dichloropropane	6.960	77	475	1.681	ug/l #	53
31) Cyclohexane	7.789	56	293	1.212	ug/l #	30
36) 1,1-Dichloropropene	7.783	75	1092	4.963	ug/l #	46
37) Ethyl Acetate	6.978	43	397	4.093	ug/l #	1
38) Carbon Tetrachloride	7.783	117	1651	5.810	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	4010	50.596	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	4010	104.251	ug/l #	13
95) Naphthalene	15.239	128	425	1.266	ug/l #	82

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

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Response via : Initial Calibration

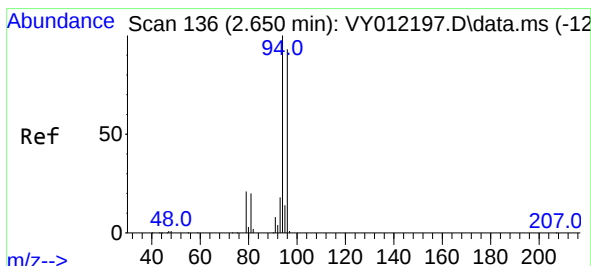
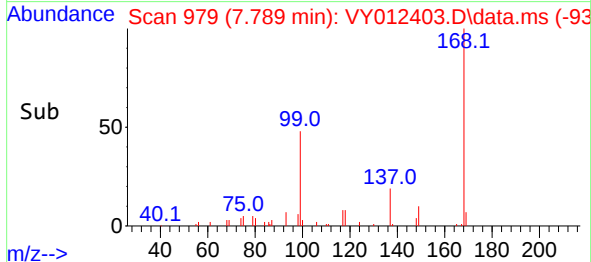
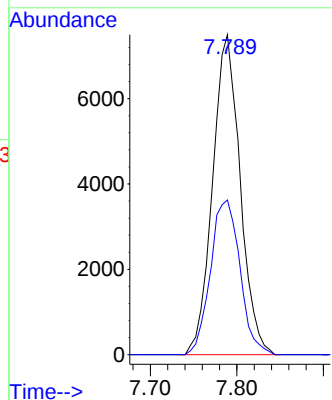
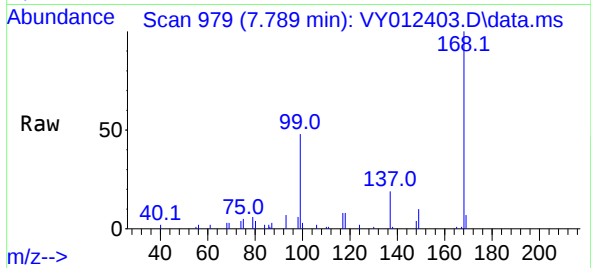




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012403.D
Acq: 30 Jan 2023 17:21

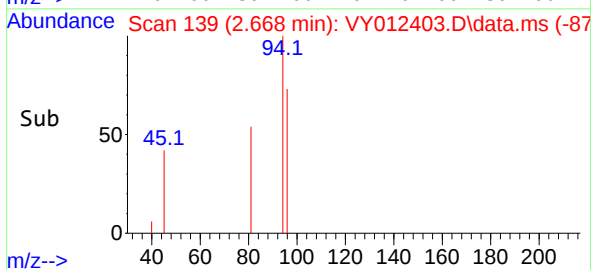
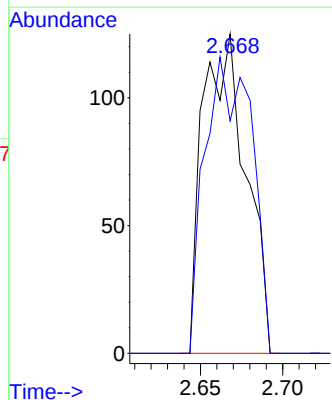
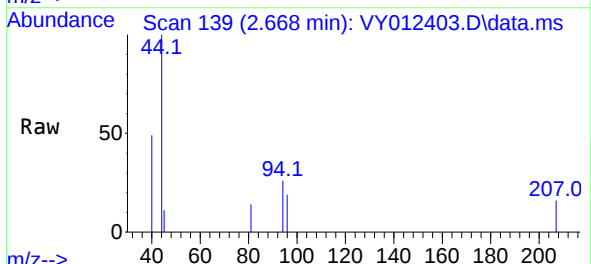
Instrument :
MSVOA_Y
ClientSampleId :
VOC

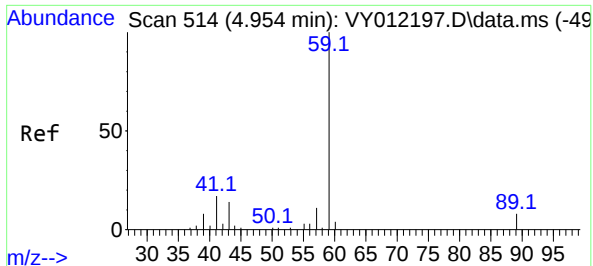
Tgt Ion:168 Resp: 16578
Ion Ratio Lower Upper
168 100
99 48.4 44.0 66.0



#5
Bromomethane
Concen: 1.897 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.018 min
Lab File: VY012403.D
Acq: 30 Jan 2023 17:21

Tgt Ion: 94 Resp: 229
Ion Ratio Lower Upper
94 100
96 72.8 77.4 116.2#

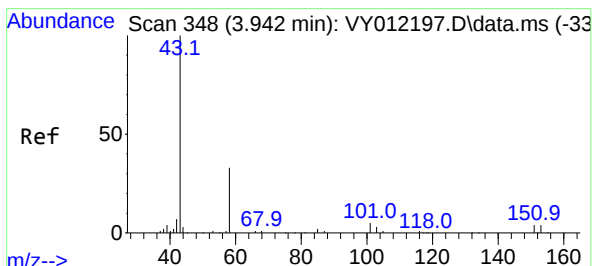
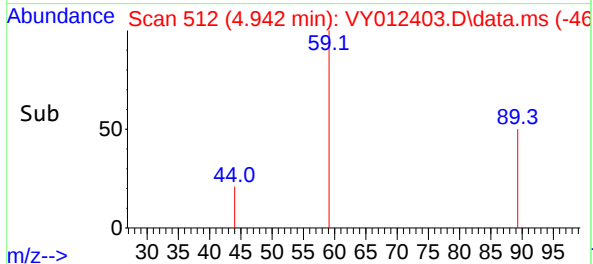
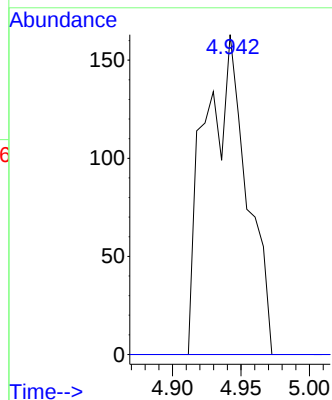
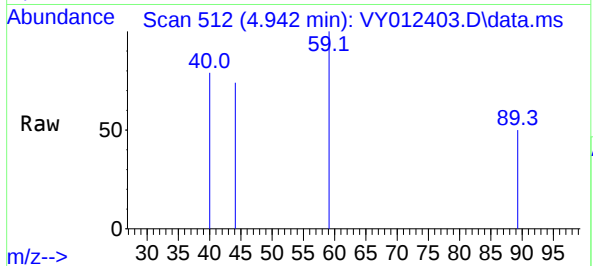




#11
Tert butyl alcohol
Concen: 9.431 ug/l
RT: 4.942 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY012403.D
Acq: 30 Jan 2023 17:21

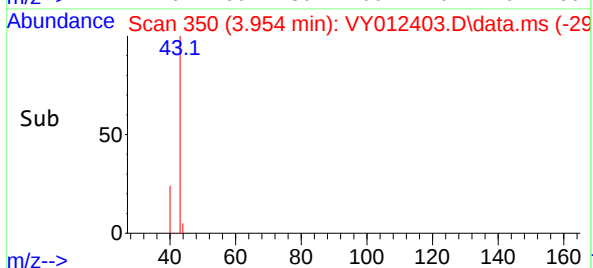
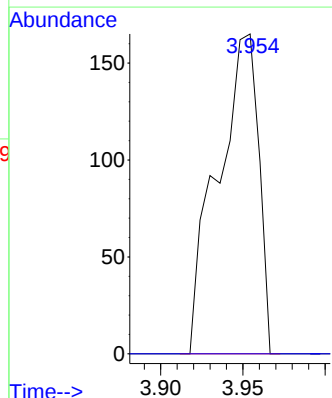
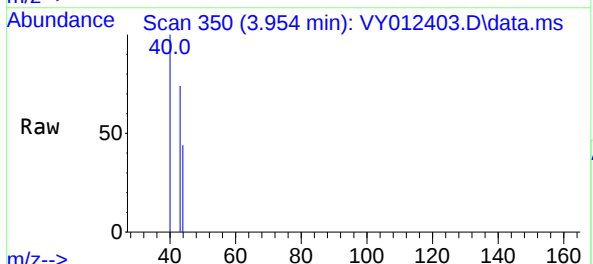
Instrument :
MSVOA_Y
ClientSampleId :
VOC

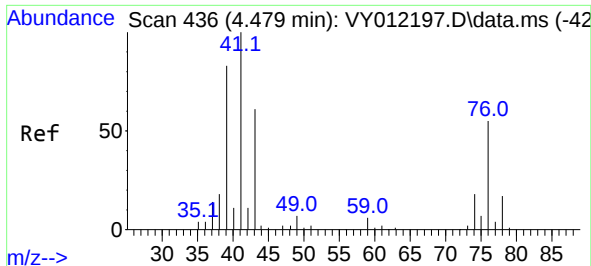
Tgt Ion: 59 Resp: 347
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 6.217 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY012403.D
Acq: 30 Jan 2023 17:21

Tgt Ion: 43 Resp: 287
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#





#18

Methyl Acetate

Concen: 1.297 ug/l

RT: 4.204 min Scan# 391

Delta R.T. -0.269 min

Lab File: VY012403.D

Acq: 30 Jan 2023 17:21

Instrument :

MSVOA_Y

ClientSampleId :

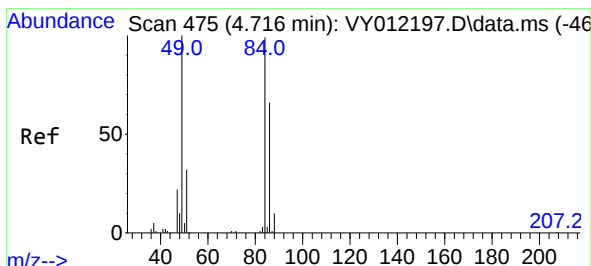
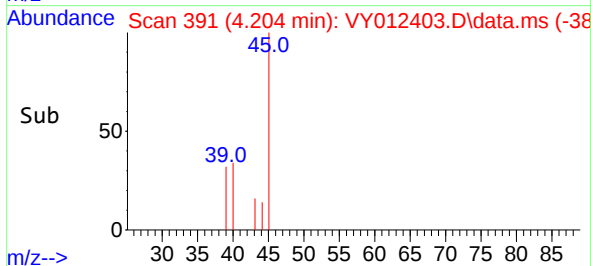
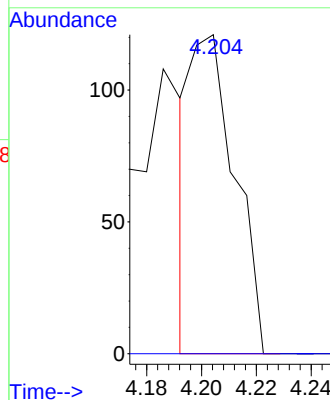
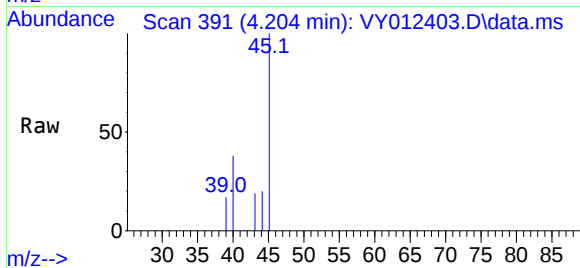
VOC

Tgt Ion: 43 Resp: 134

Ion Ratio Lower Upper

43 100

74 0.0 20.1 30.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY012403.D

Acq: 30 Jan 2023 17:21

Tgt Ion: 84 Resp: 1081

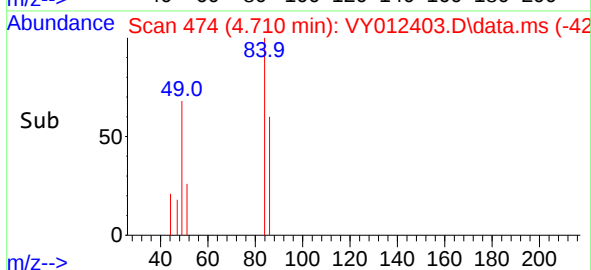
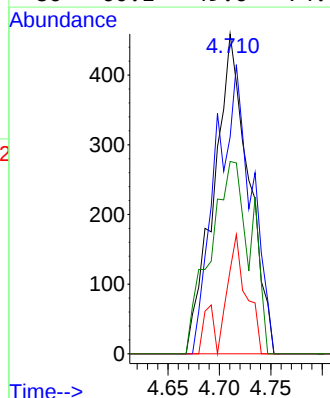
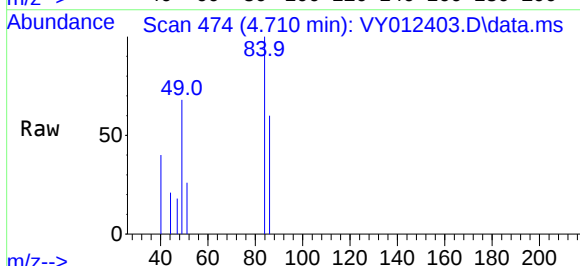
Ion Ratio Lower Upper

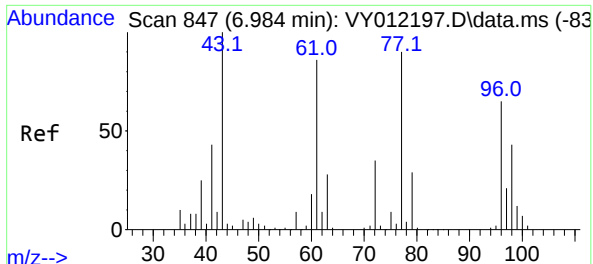
84 100

49 67.8 95.4 143.2#

51 26.1 29.9 44.9#

86 60.1 49.6 74.4





#25

2-Butanone

Concen: 7.790 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY012403.D

Acq: 30 Jan 2023 17:21

Instrument :

MSVOA_Y

ClientSampleId :

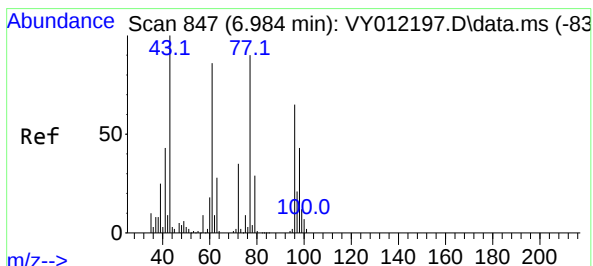
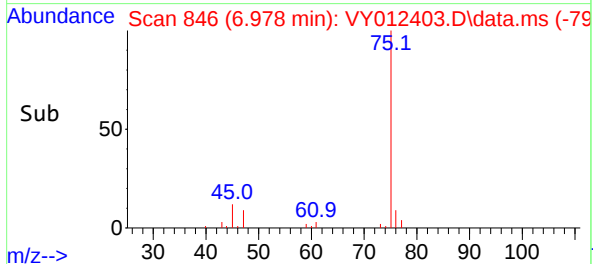
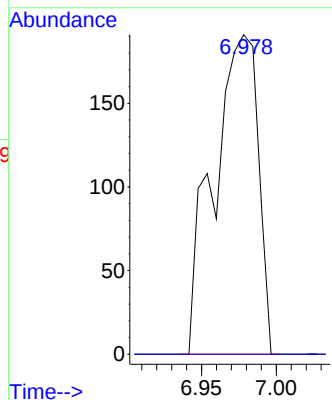
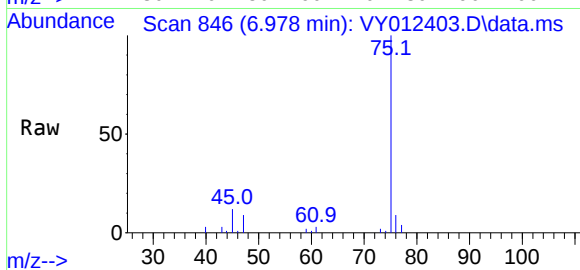
VOC

Tgt Ion: 43 Resp: 397

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#26

2,2-Dichloropropane

Concen: 1.681 ug/l

RT: 6.960 min Scan# 843

Delta R.T. -0.018 min

Lab File: VY012403.D

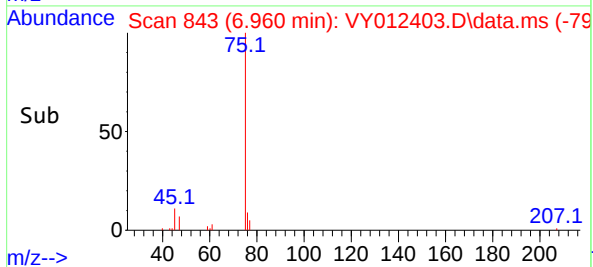
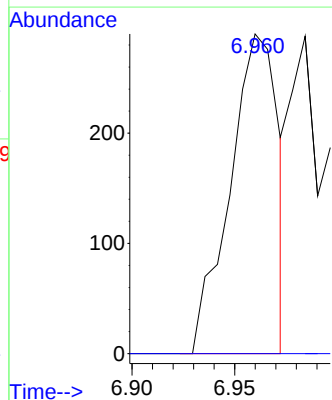
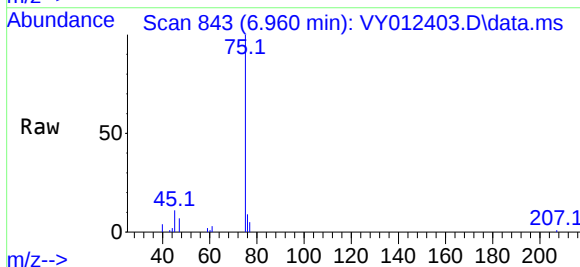
Acq: 30 Jan 2023 17:21

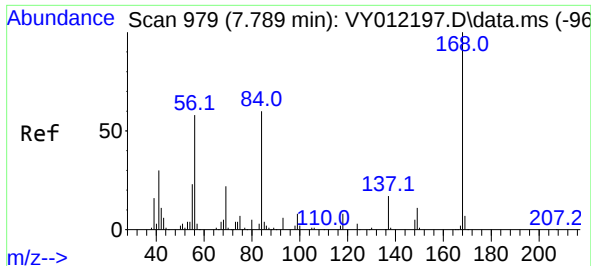
Tgt Ion: 77 Resp: 475

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#

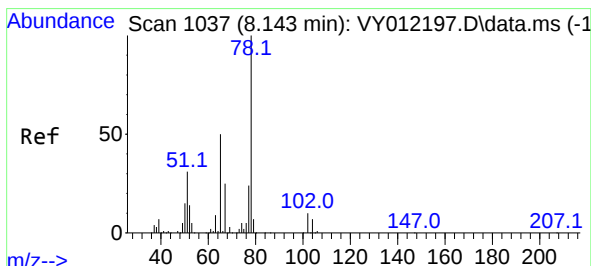
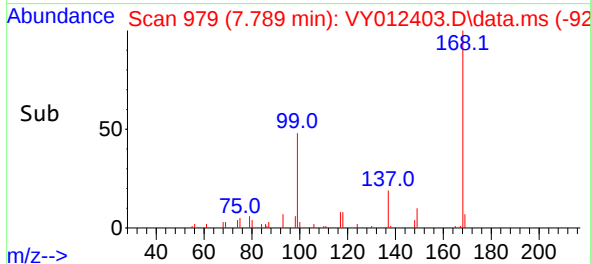
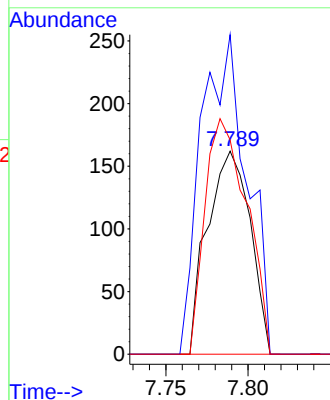
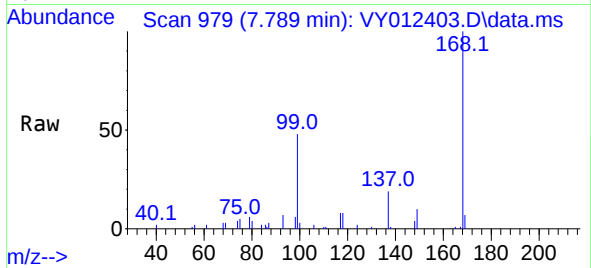




#31
Cyclohexane
Concen: 1.212 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012403.D
Acq: 30 Jan 2023 17:21

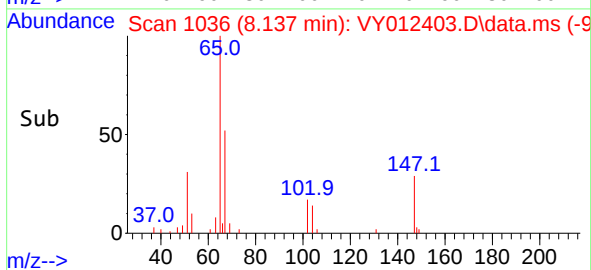
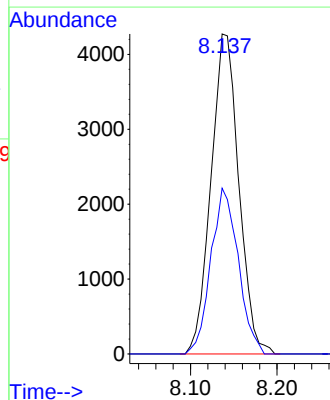
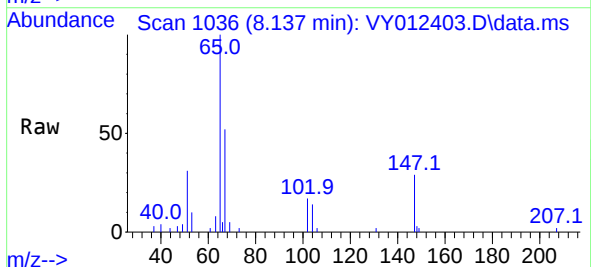
Instrument :
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VOC

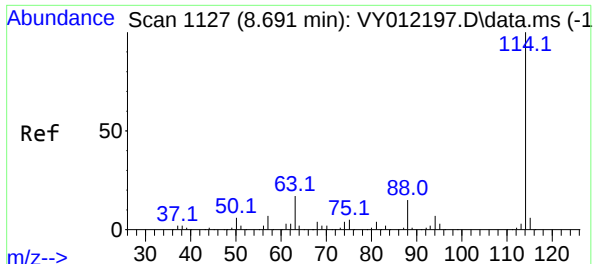
Tgt Ion: 56 Resp: 293
Ion Ratio Lower Upper
56 100
69 157.4 29.2 43.8#
84 105.6 72.6 108.8



#33
1,2-Dichloroethane-d4
Concen: 71.021 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012403.D
Acq: 30 Jan 2023 17:21

Tgt Ion: 65 Resp: 9532
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012403.D

Acq: 30 Jan 2023 17:21

Instrument :

MSVOA_Y

ClientSampleId :

VOC

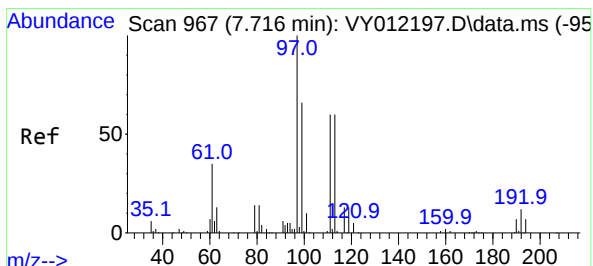
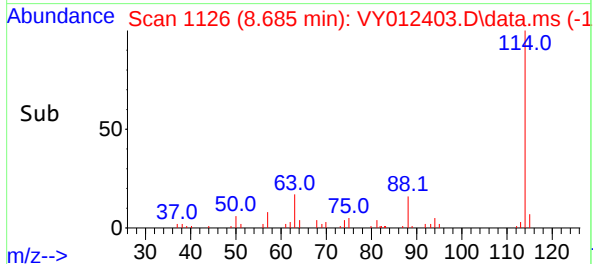
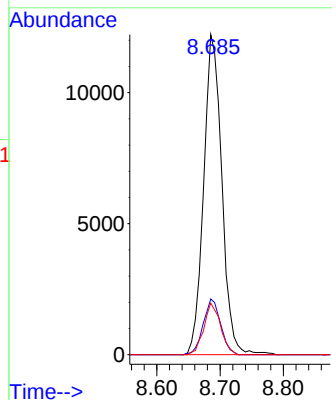
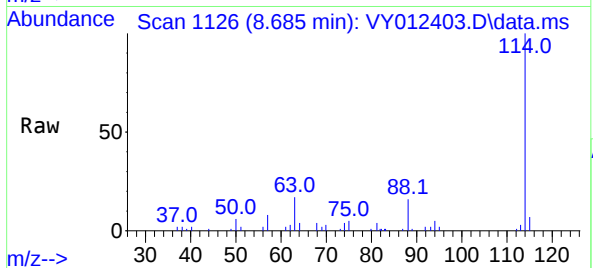
Tgt Ion:114 Resp: 24451

Ion Ratio Lower Upper

114 100

63 17.4 0.0 39.6

88 16.1 0.0 32.2



#35

Dibromofluoromethane

Concen: 58.740 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012403.D

Acq: 30 Jan 2023 17:21

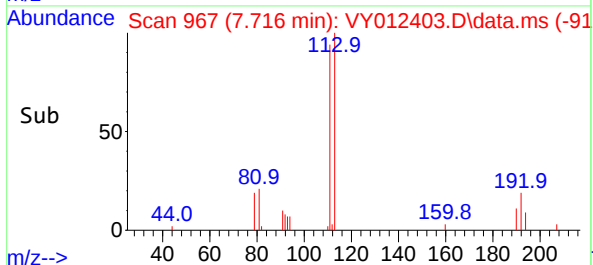
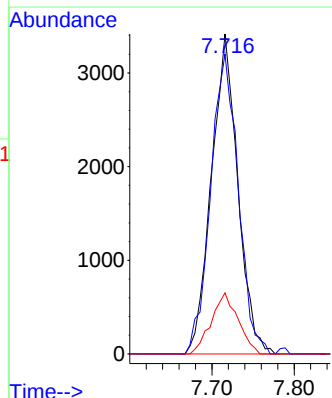
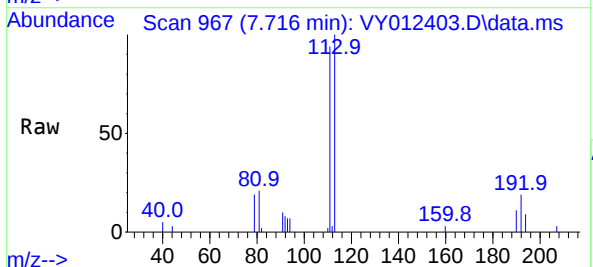
Tgt Ion:113 Resp: 7605

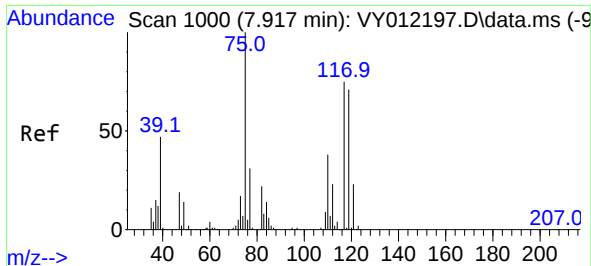
Ion Ratio Lower Upper

113 100

111 98.6 83.0 124.4

192 19.4 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.963 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY012403.D

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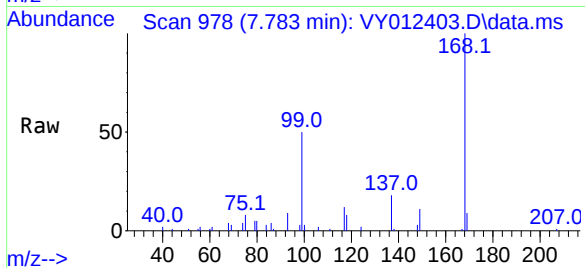
Tgt Ion: 75 Resp: 1092

Ion Ratio Lower Upper

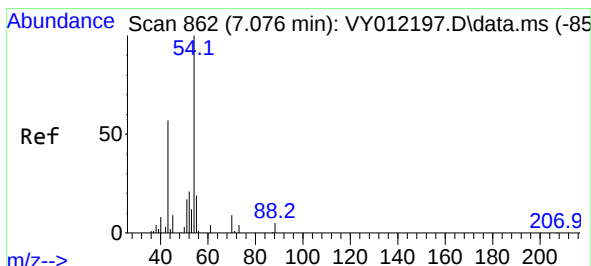
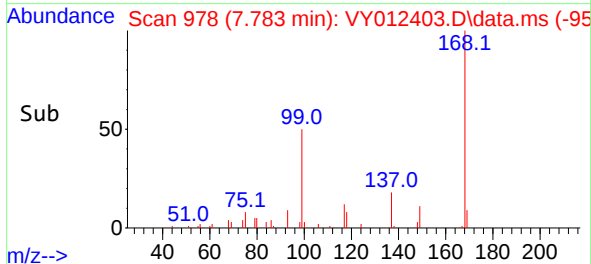
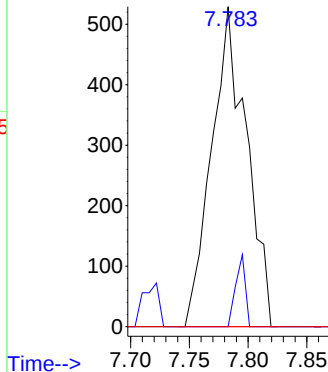
75 100

110 6.1 18.1 54.1#

77 0.0 25.1 37.7#



Abundance



#37

Ethyl Acetate

Concen: 4.093 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.098 min

Lab File: VY012403.D

Acq: 30 Jan 2023 17:21

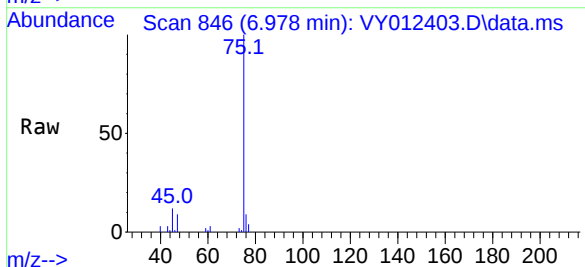
Tgt Ion: 43 Resp: 397

Ion Ratio Lower Upper

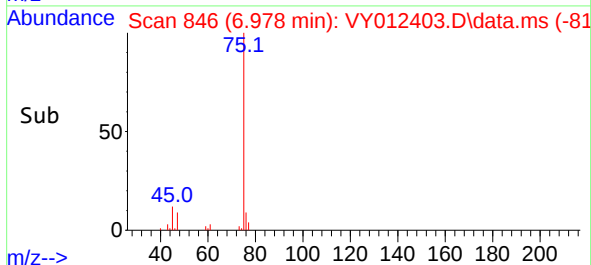
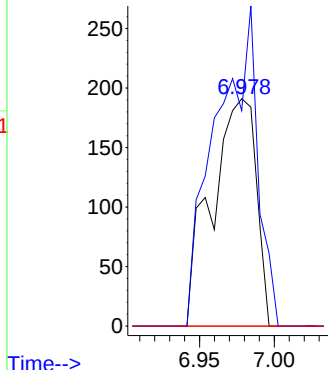
43 100

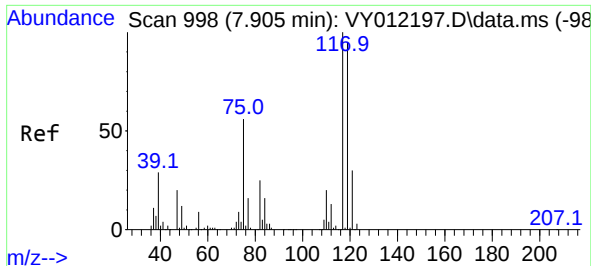
61 129.7 11.3 16.9#

70 0.0 8.2 12.4#



Abundance

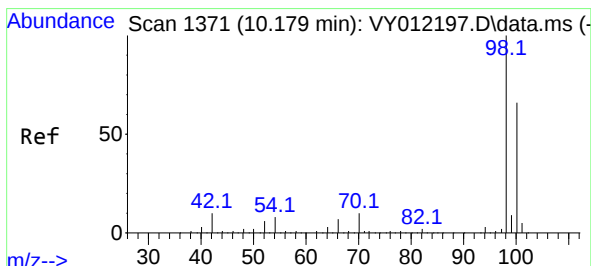
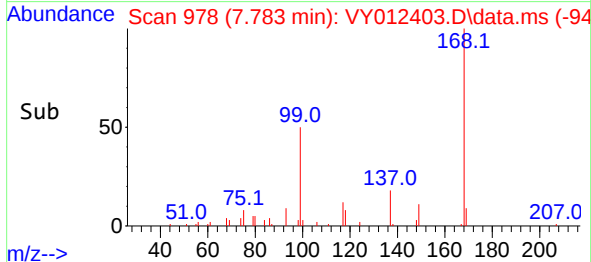
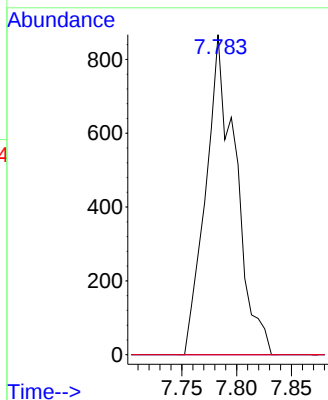
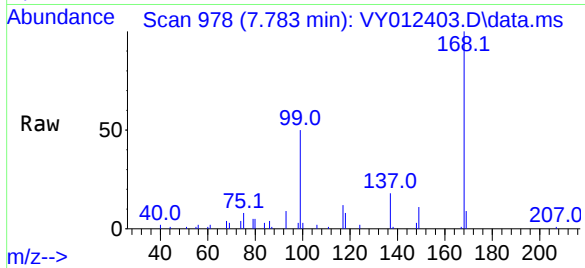




#38
Carbon Tetrachloride
Concen: 5.810 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012403.D
Acq: 30 Jan 2023 17:21

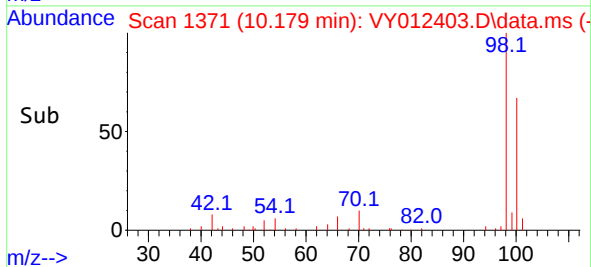
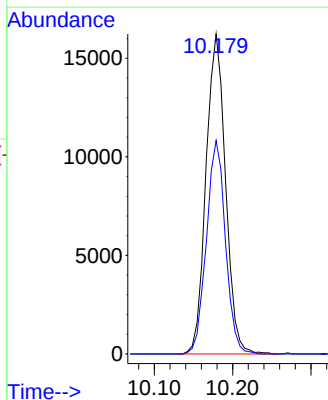
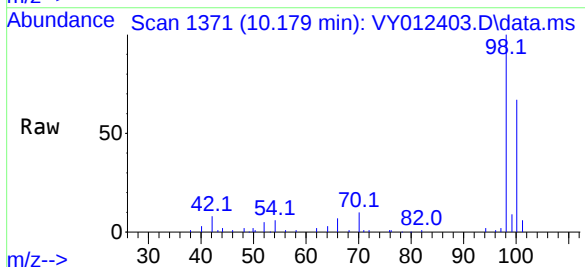
Instrument :
MSVOA_Y
ClientSampleId :
VOC

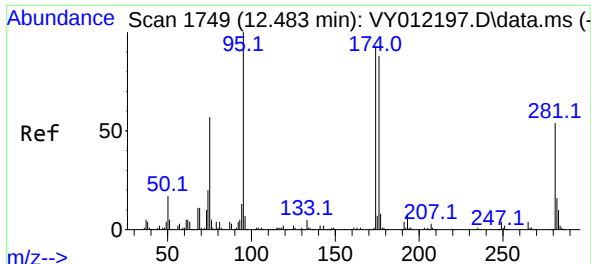
Tgt Ion:117 Resp: 1651
Ion Ratio Lower Upper
117 100
119 0.0 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 63.826 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012403.D
Acq: 30 Jan 2023 17:21

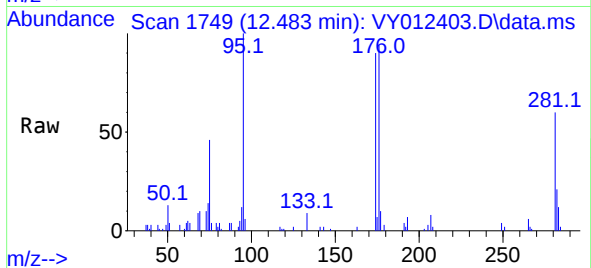
Tgt Ion: 98 Resp: 28094
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



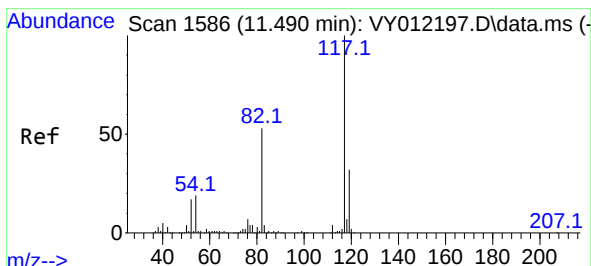
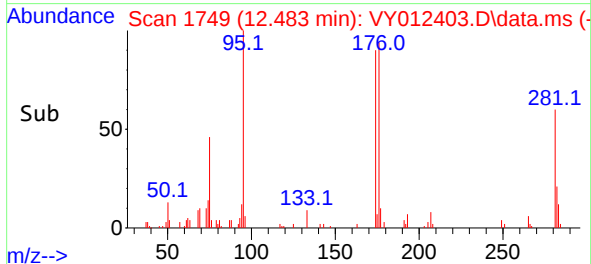
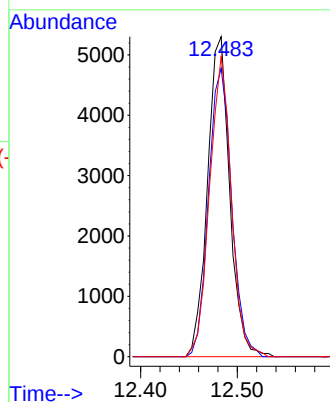


#62
4-Bromofluorobenzene
Concen: 46.469 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012403.D
Acq: 30 Jan 2023 17:21

Instrument :
MSVOA_Y
ClientSampleId :
VOC

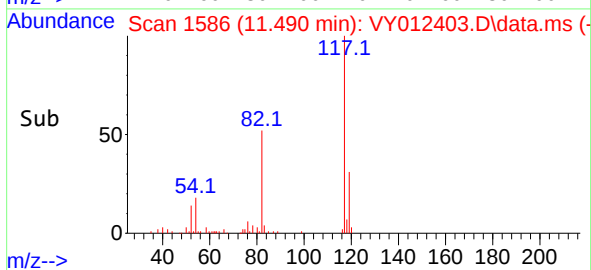
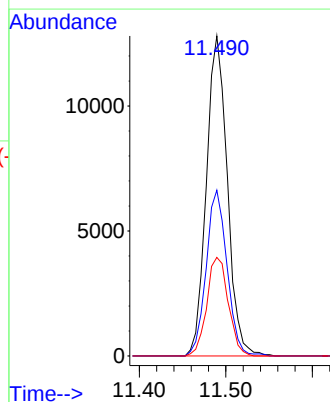
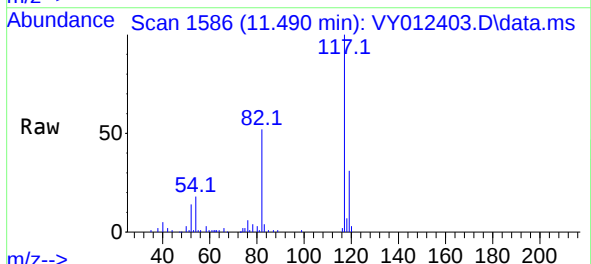


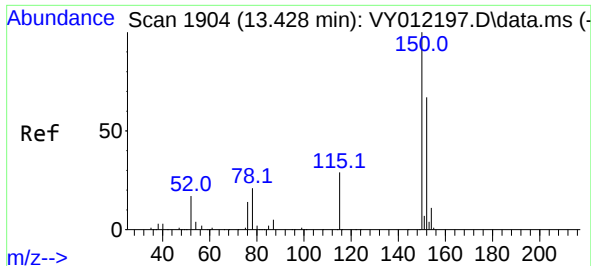
Tgt Ion: 95 Resp: 8481
Ion Ratio Lower Upper
95 100
174 93.8 0.0 172.0
176 91.8 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012403.D
Acq: 30 Jan 2023 17:21

Tgt Ion: 117 Resp: 21503
Ion Ratio Lower Upper
117 100
82 51.8 44.8 67.2
119 30.8 25.4 38.2

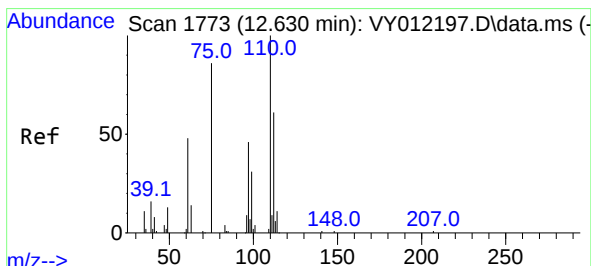
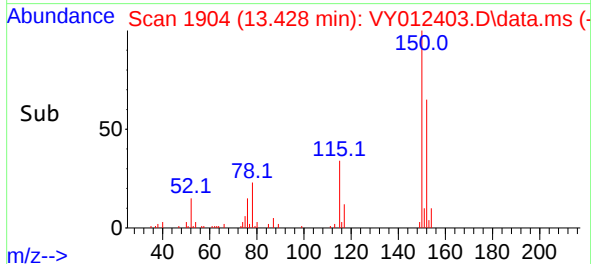
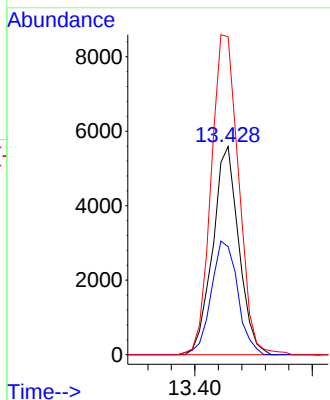
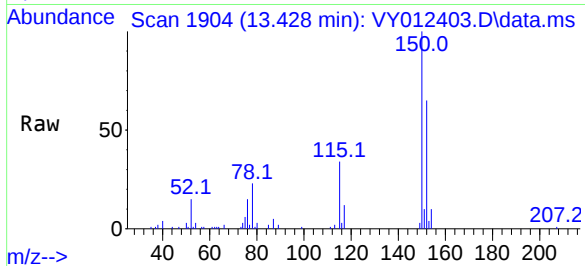




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012403.D
Acq: 30 Jan 2023 17:21

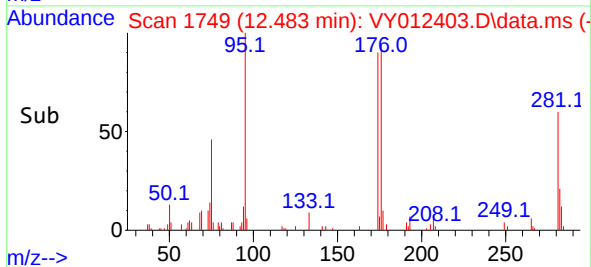
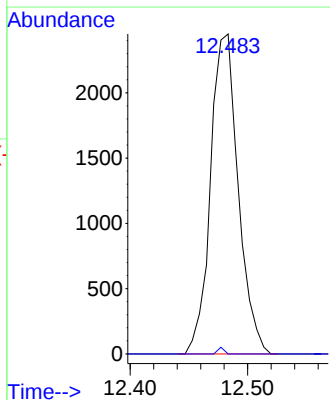
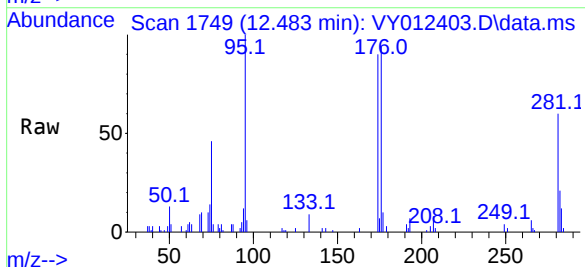
Instrument :
MSVOA_Y
ClientSampleId :
VOC

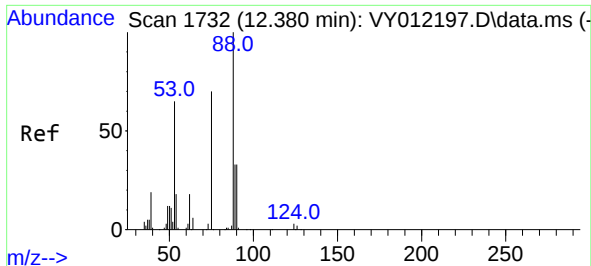
Tgt Ion:152 Resp: 8619
Ion Ratio Lower Upper
152 100
115 55.6 29.1 87.3
150 161.9 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 50.596 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012403.D
Acq: 30 Jan 2023 17:21

Tgt Ion: 75 Resp: 4010
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#

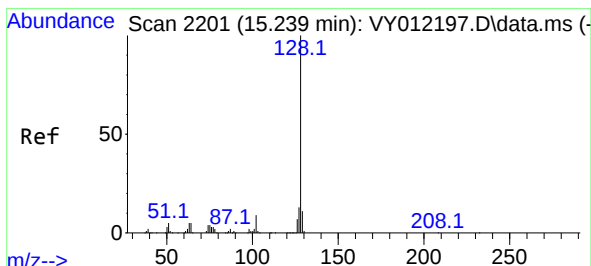
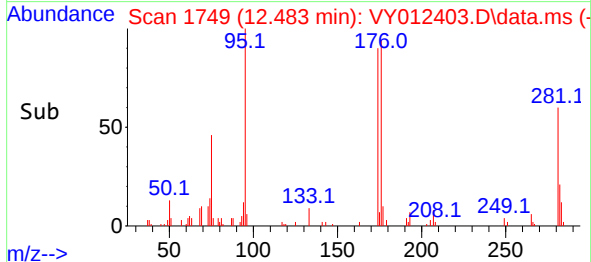
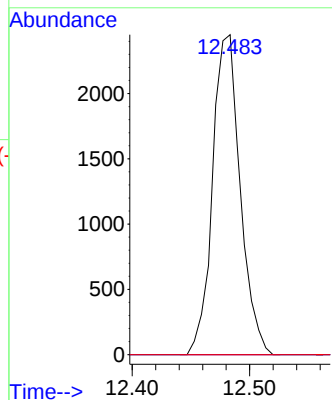
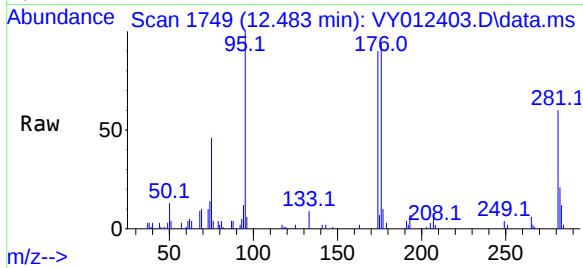




#81
trans-1,4-Dichloro-2-butene
Concen: 104.251 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012403.D
Acq: 30 Jan 2023 17:21

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 75 Resp: 4010
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 1.266 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY012403.D
Acq: 30 Jan 2023 17:21

Tgt Ion: 128 Resp: 425
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 12.0 8.8 13.2

