

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030524\
 Data File : VY017570.D
 Acq On : 05 Mar 2024 14:43
 Operator : SY/MD
 Sample : P1672-07
 Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3-VOC

Quant Time: Mar 05 22:04:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

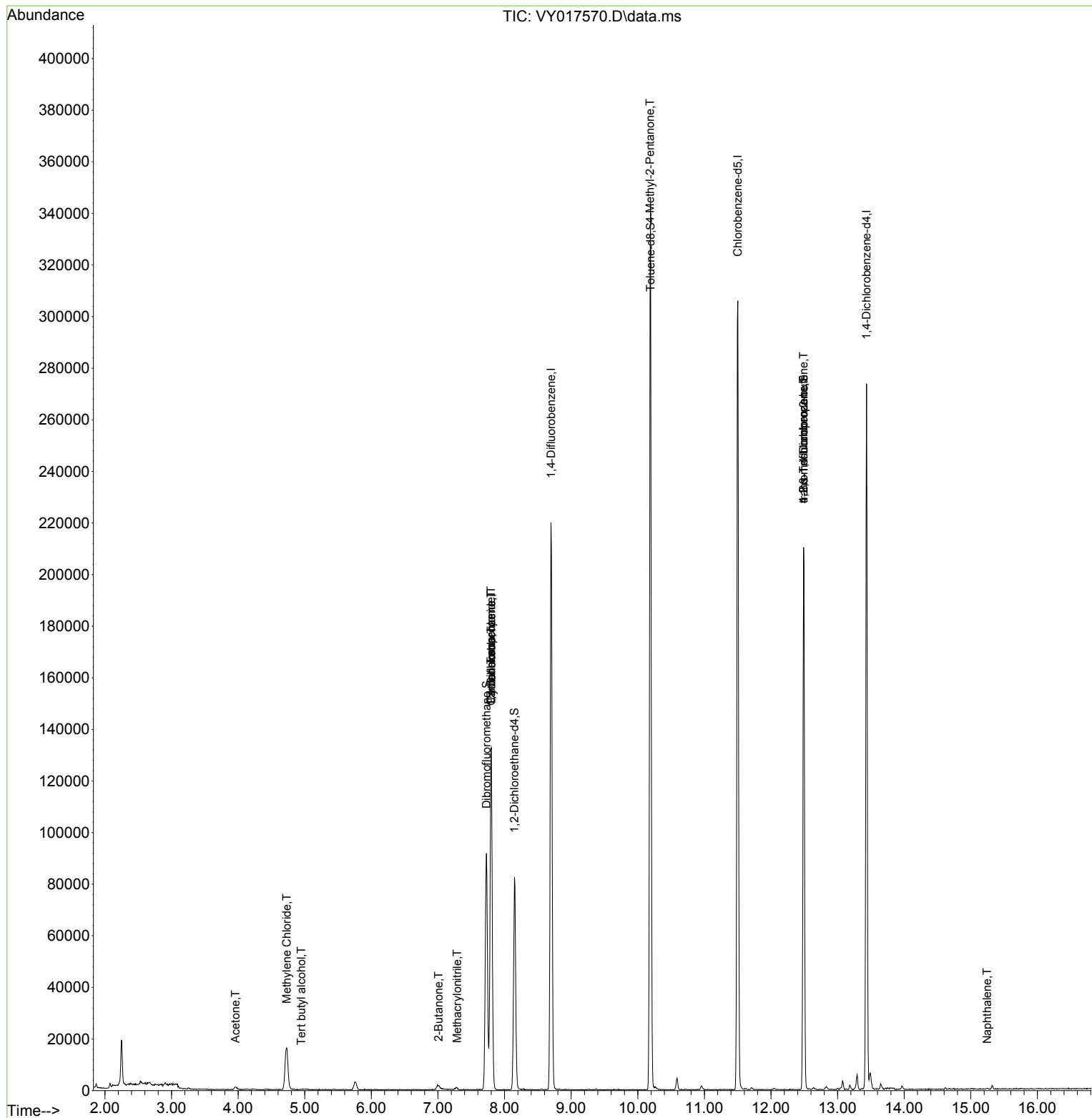
Internal Standards						
1) Pentafluorobenzene	7.801	168	110273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	201139	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	181054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	72173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	59632	57.059	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.120%
35) Dibromofluoromethane	7.728	113	65696	46.872	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.740%
50) Toluene-d8	10.191	98	228191	46.565	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.120%
62) 4-Bromofluorobenzene	12.489	95	64154	41.656	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.320%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	103	1.160	ug/l #	88
16) Acetone	3.960	43	1979	9.763	ug/l #	75
20) Methylene Chloride	4.729	84	13467	6.547	ug/l	98
25) 2-Butanone	7.009	43	441	1.527	ug/l #	41
31) Cyclohexane	7.801	56	2122	1.248	ug/l #	6
36) 1,1-Dichloropropene	7.795	75	7941	4.199	ug/l #	48
38) Carbon Tetrachloride	7.795	117	9983	5.267	ug/l #	17
41) Methacrylonitrile	7.289	41	451	1.203	ug/l #	34
51) 4-Methyl-2-Pentanone	10.185	43	734	1.003	ug/l #	1
76) 1,2,3-Trichloropropane	12.489	75	31077	45.318	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	31077	104.131	ug/l #	16
95) Naphthalene	15.245	128	327	4.048	ug/l #	69

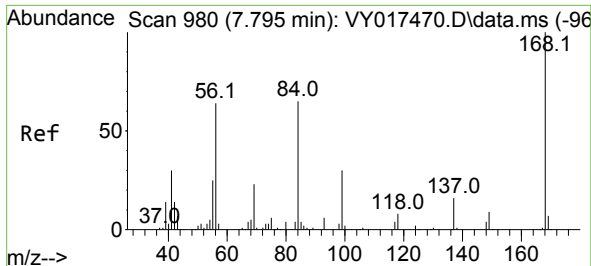
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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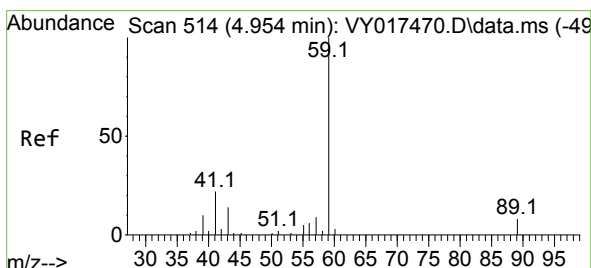
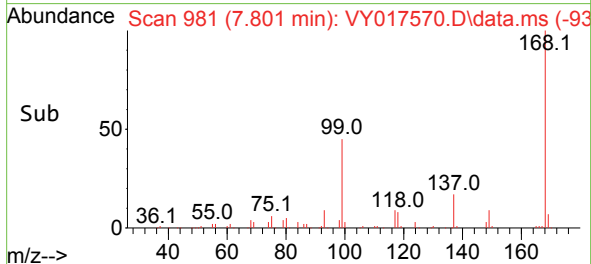
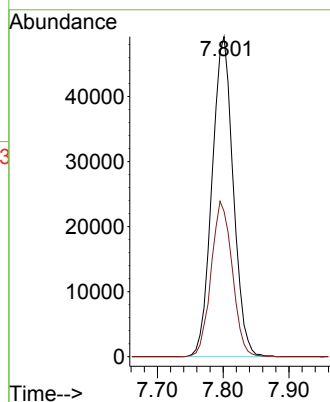
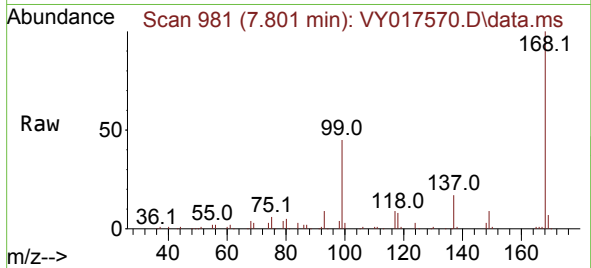




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017570.D
Acq: 05 Mar 2024 14:43

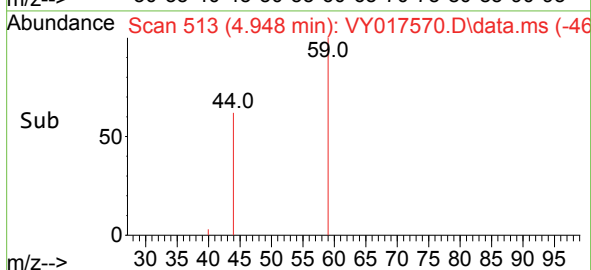
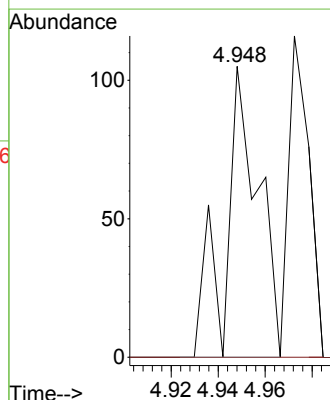
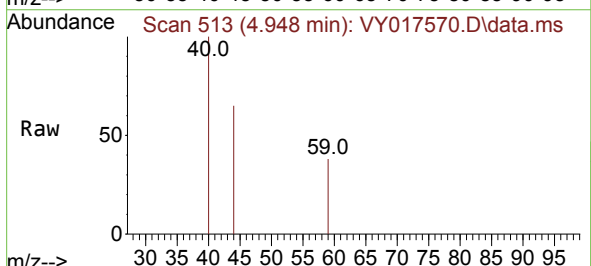
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

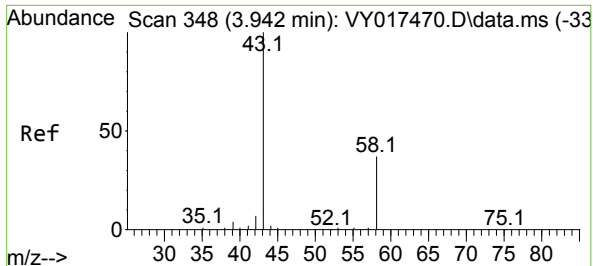
Tgt Ion:168 Resp: 110273
Ion Ratio Lower Upper
168 100
99 45.4 39.1 58.7



#11
Tert butyl alcohol
Concen: 1.160 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY017570.D
Acq: 05 Mar 2024 14:43

Tgt Ion: 59 Resp: 103
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 9.763 ug/l

RT: 3.960 min Scan# 31

Delta R.T. 0.019 min

Lab File: VY017570.D

Acq: 05 Mar 2024 14:43

Instrument :

MSVOA_Y

ClientSampleId :

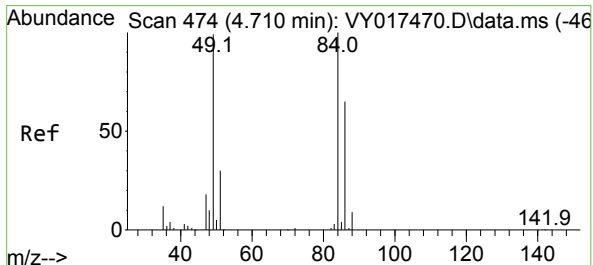
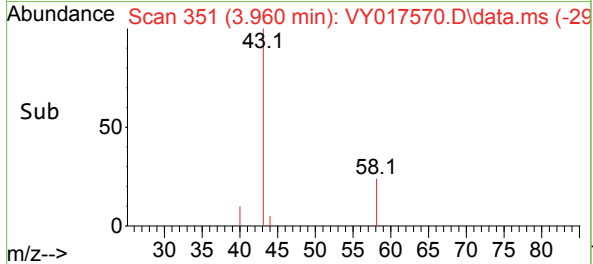
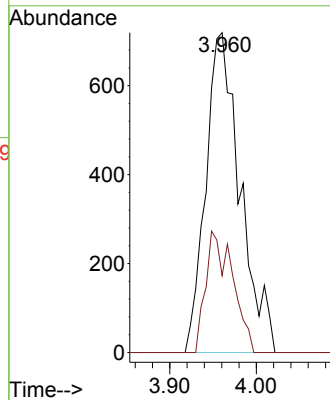
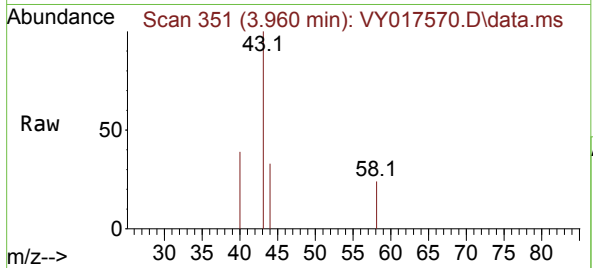
TP-3-VOC

Tgt Ion: 43 Resp: 1979

Ion Ratio Lower Upper

43 100

58 24.1 31.7 47.5#



#20

Methylene Chloride

Concen: 6.547 ug/l

RT: 4.729 min Scan# 477

Delta R.T. 0.019 min

Lab File: VY017570.D

Acq: 05 Mar 2024 14:43

Tgt Ion: 84 Resp: 13467

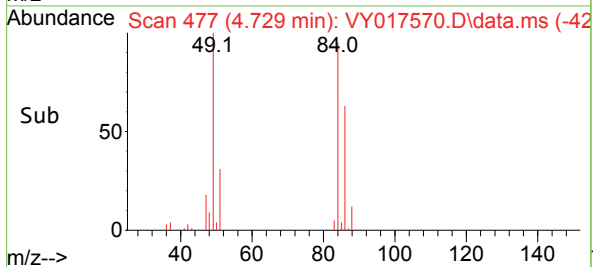
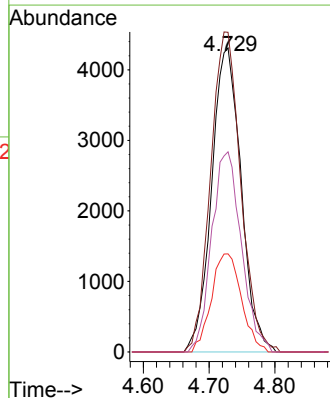
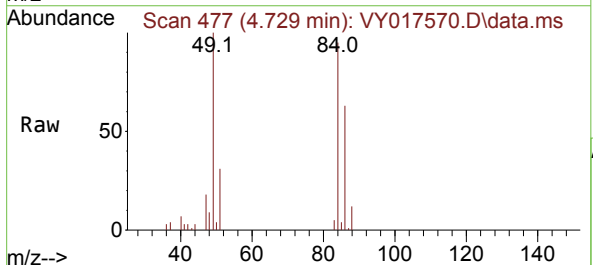
Ion Ratio Lower Upper

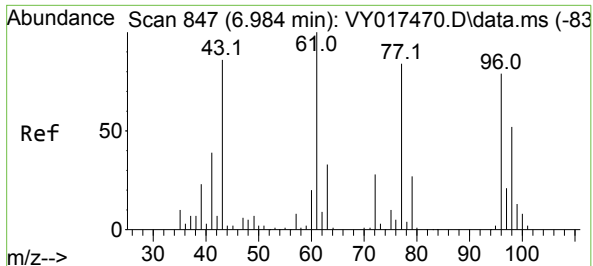
84 100

49 105.1 84.4 126.6

51 32.3 26.0 39.0

86 65.8 49.5 74.3





#25

2-Butanone

Concen: 1.527 ug/l

RT: 7.009 min Scan# 847

Delta R.T. 0.025 min

Lab File: VY017570.D

Acq: 05 Mar 2024 14:43

Instrument :

MSVOA_Y

ClientSampleId :

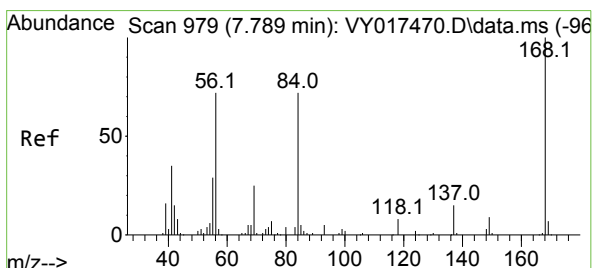
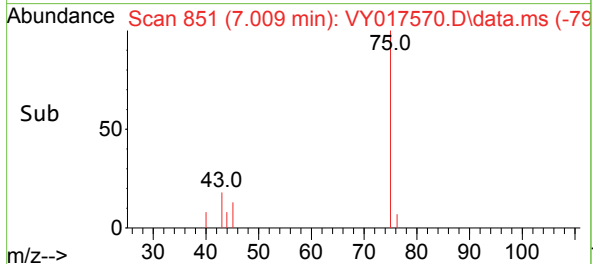
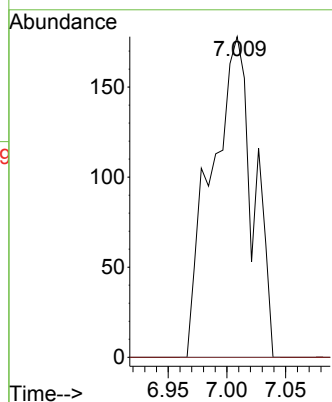
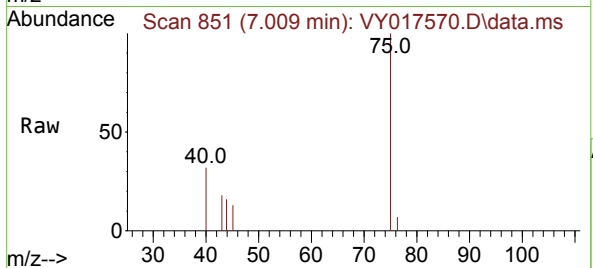
TP-3-VOC

Tgt Ion: 43 Resp: 441

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: 1.248 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.012 min

Lab File: VY017570.D

Acq: 05 Mar 2024 14:43

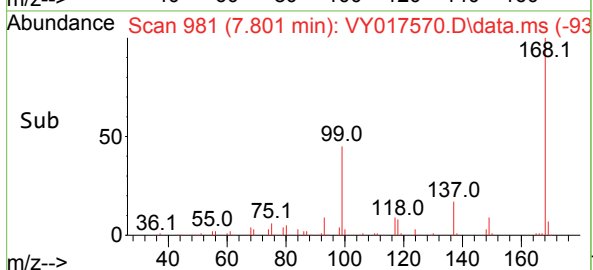
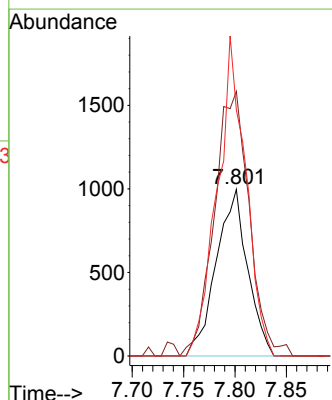
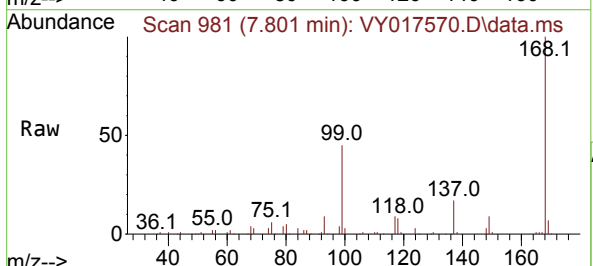
Tgt Ion: 56 Resp: 2122

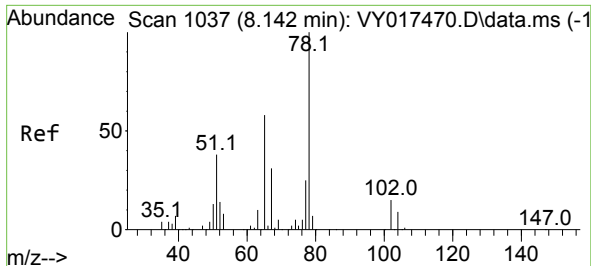
Ion Ratio Lower Upper

56 100

69 158.9 28.7 43.1#

84 147.7 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 57.059 ug/l

RT: 8.149 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY017570.D

Acq: 05 Mar 2024 14:43

Instrument :

MSVOA_Y

ClientSampleId :

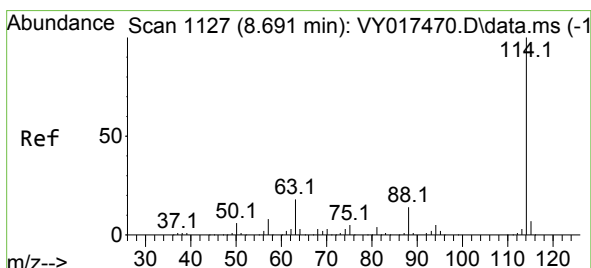
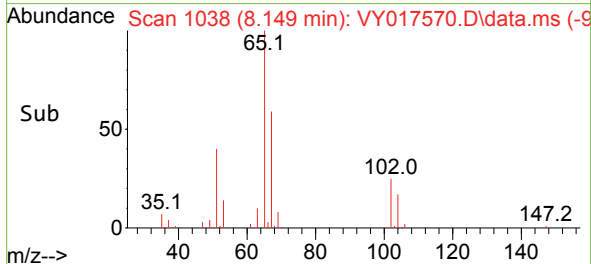
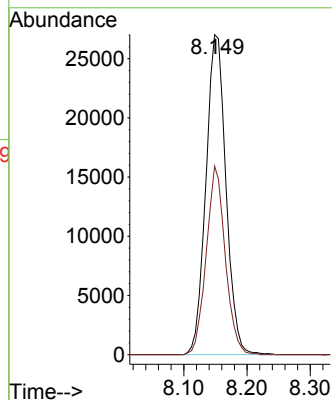
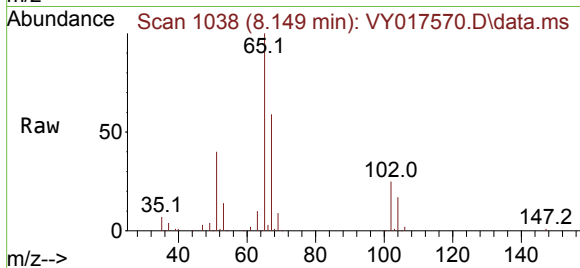
TP-3-VOC

Tgt Ion: 65 Resp: 59632

Ion Ratio Lower Upper

65 100

67 55.9 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY017570.D

Acq: 05 Mar 2024 14:43

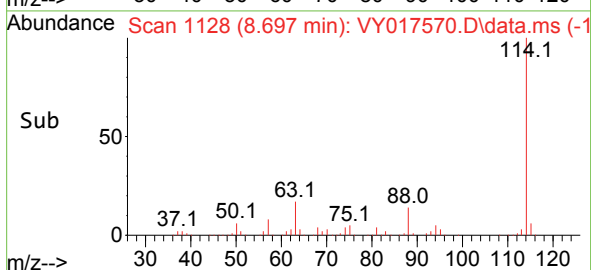
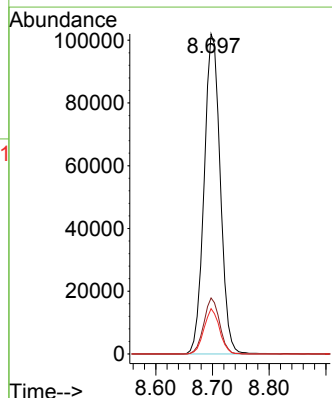
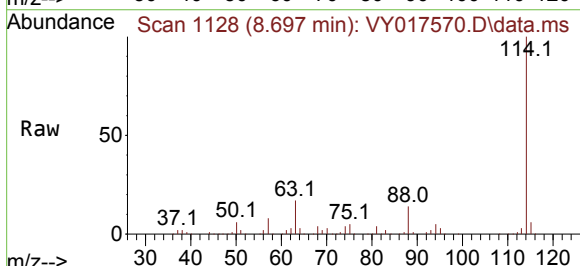
Tgt Ion: 114 Resp: 201139

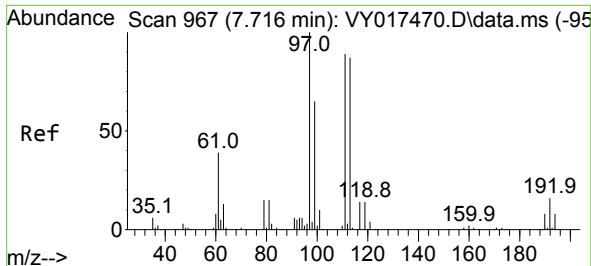
Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.0

88 14.1 0.0 27.2

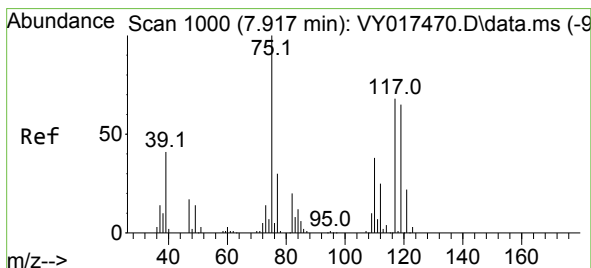
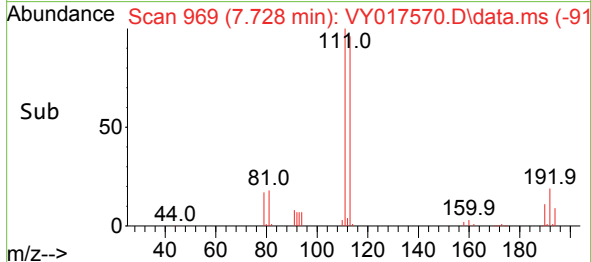
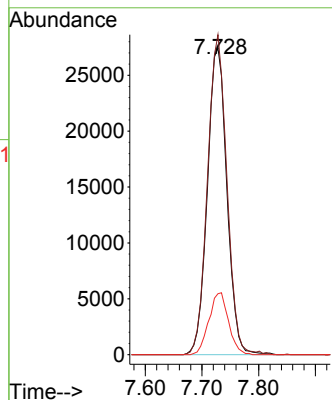
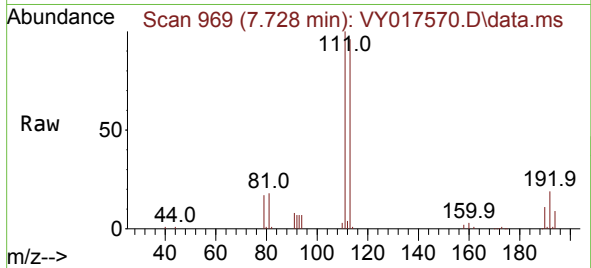




#35
Dibromofluoromethane
Concen: 46.872 ug/l
RT: 7.728 min Scan# 90
Delta R.T. 0.012 min
Lab File: VY017570.D
Acq: 05 Mar 2024 14:43

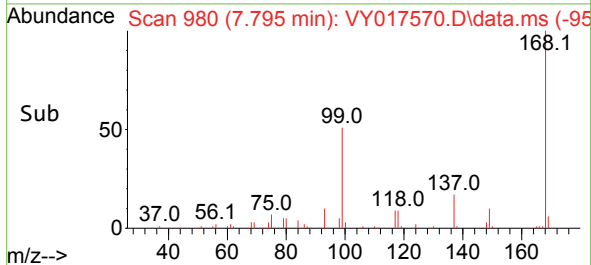
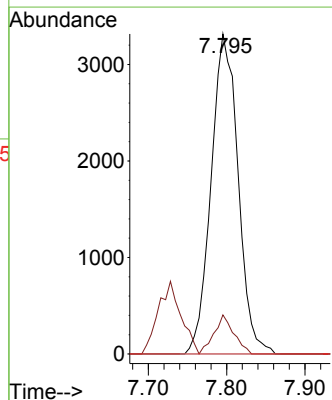
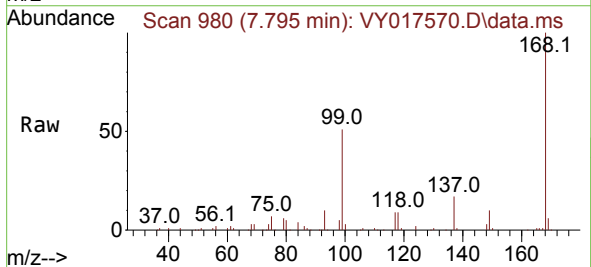
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

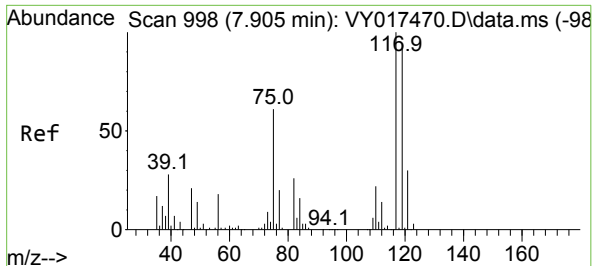
Tgt Ion:113 Resp: 65696
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.4
192 20.3 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.199 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY017570.D
Acq: 05 Mar 2024 14:43

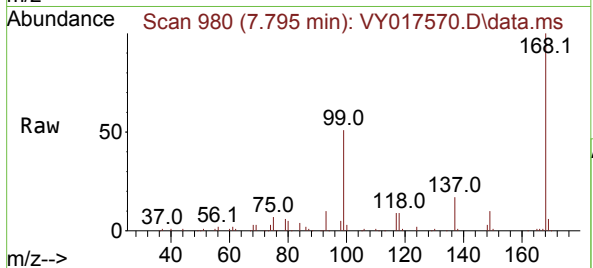
Tgt Ion: 75 Resp: 7941
Ion Ratio Lower Upper
75 100
110 9.0 19.0 57.0#
77 0.0 25.3 37.9#



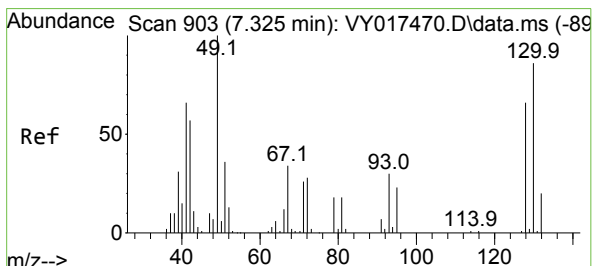
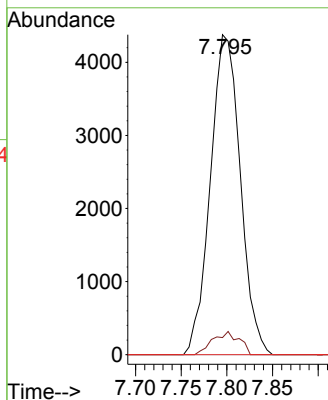
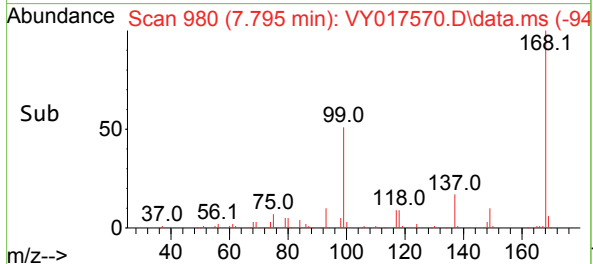


#38
Carbon Tetrachloride
Concen: 5.267 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY017570.D
Acq: 05 Mar 2024 14:43

Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

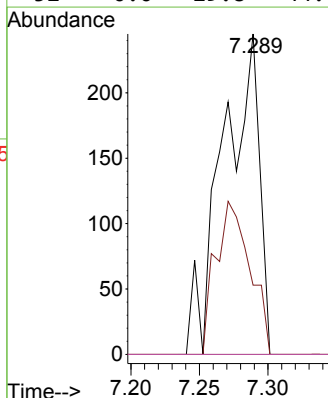
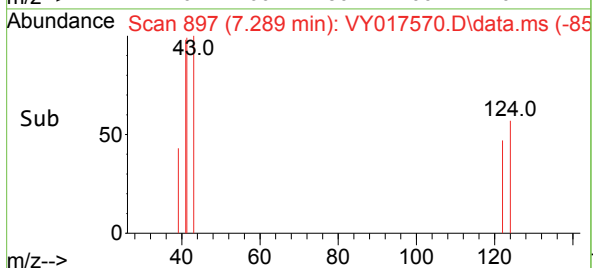
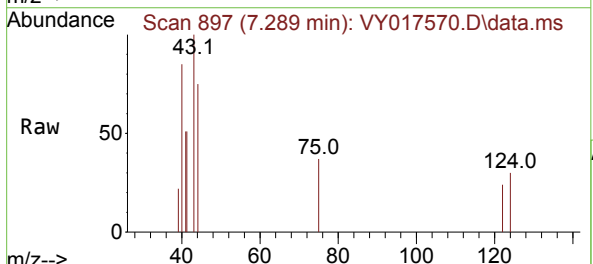


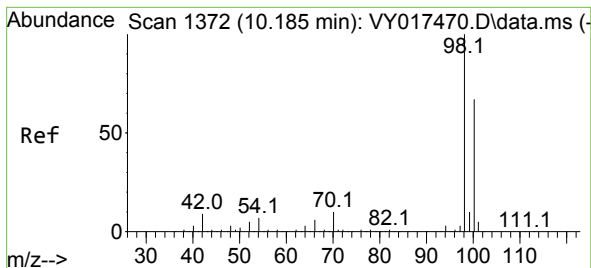
Tgt Ion:117 Resp: 9983
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.6#
121 0.0 24.0 36.0#



#41
Methacrylonitrile
Concen: 1.203 ug/l
RT: 7.289 min Scan# 897
Delta R.T. -0.036 min
Lab File: VY017570.D
Acq: 05 Mar 2024 14:43

Tgt Ion: 41 Resp: 451
Ion Ratio Lower Upper
41 100
39 45.2 48.0 72.0#
67 0.0 75.1 112.7#
52 0.0 29.8 44.6#





#50

Toluene-d8

Concen: 46.565 ug/l

RT: 10.191 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY017570.D

Acq: 05 Mar 2024 14:43

Instrument :

MSVOA_Y

ClientSampleId :

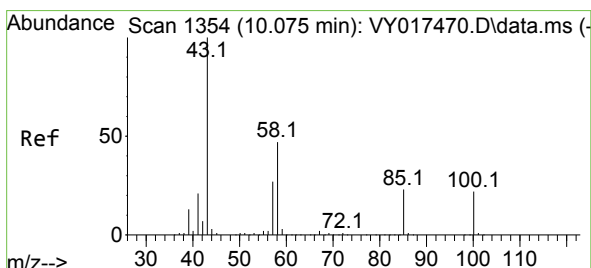
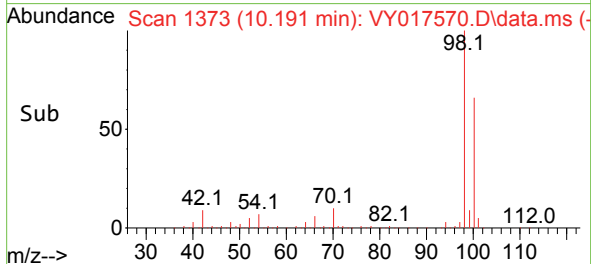
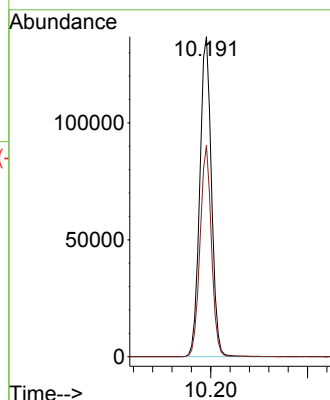
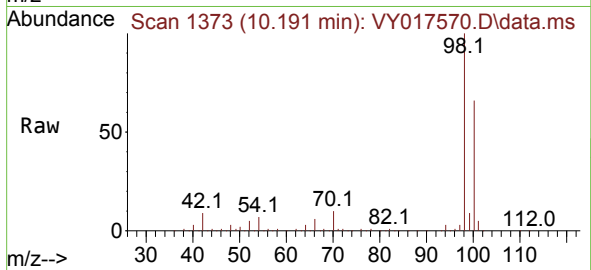
TP-3-VOC

Tgt Ion: 98 Resp: 228191

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.003 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.110 min

Lab File: VY017570.D

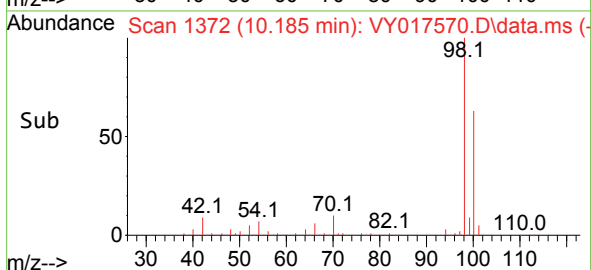
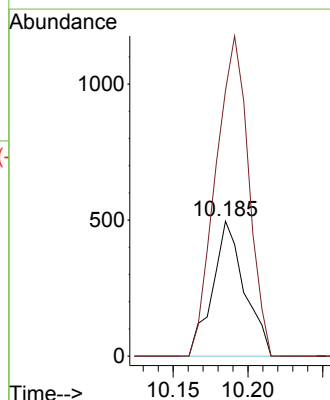
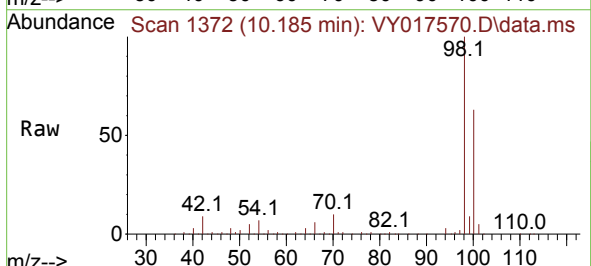
Acq: 05 Mar 2024 14:43

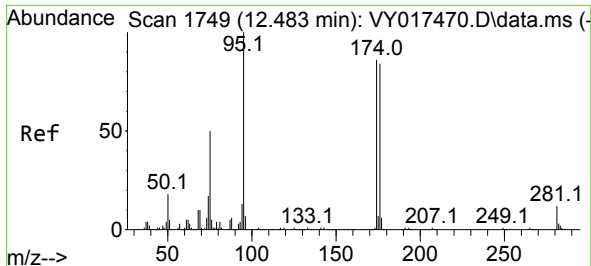
Tgt Ion: 43 Resp: 734

Ion Ratio Lower Upper

43 100

58 245.5 35.7 53.5#

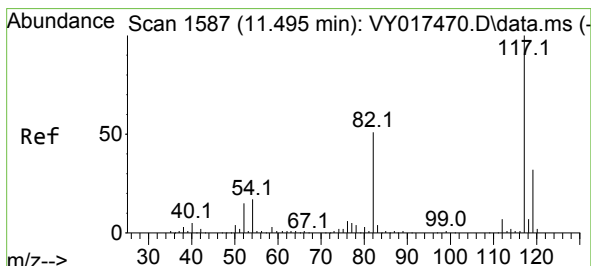
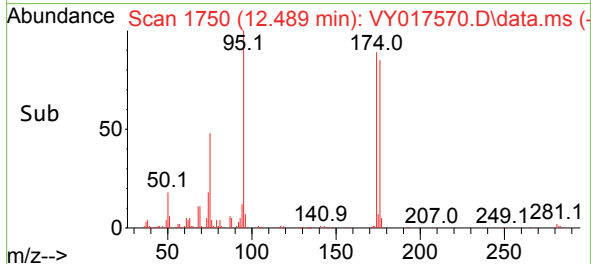
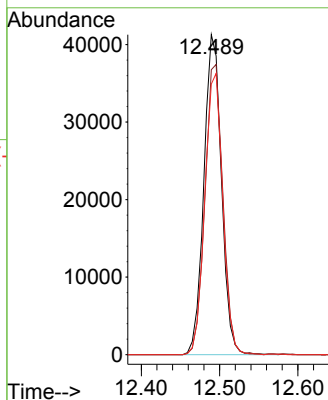
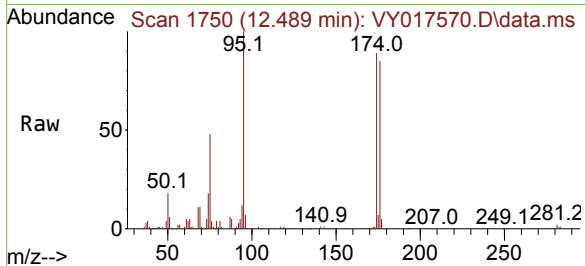




#62
4-Bromofluorobenzene
Concen: 41.656 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY017570.D
Acq: 05 Mar 2024 14:43

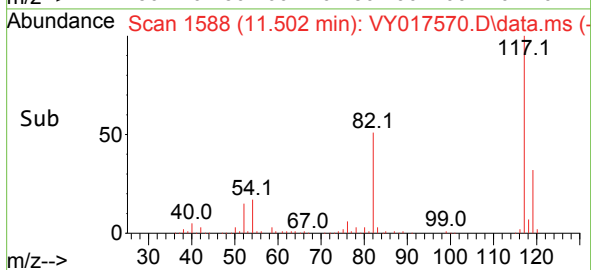
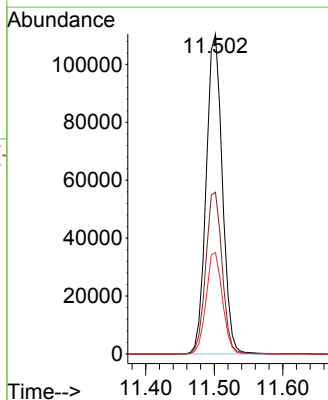
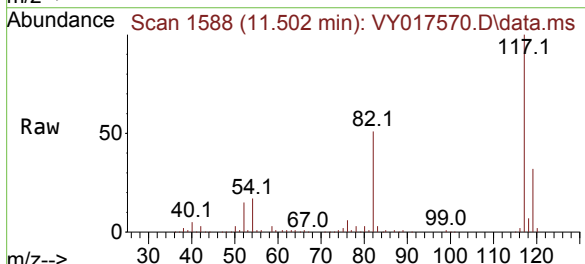
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

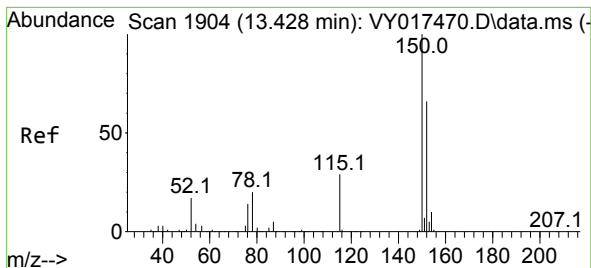
Tgt Ion: 95 Resp: 64154
Ion Ratio Lower Upper
95 100
174 92.5 0.0 175.6
176 90.2 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VY017570.D
Acq: 05 Mar 2024 14:43

Tgt Ion: 117 Resp: 181054
Ion Ratio Lower Upper
117 100
82 50.6 42.4 63.6
119 31.7 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY017570.D

Acq: 05 Mar 2024 14:43

Instrument :

MSVOA_Y

ClientSampleId :

TP-3-VOC

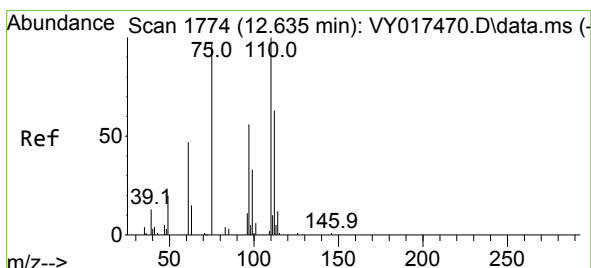
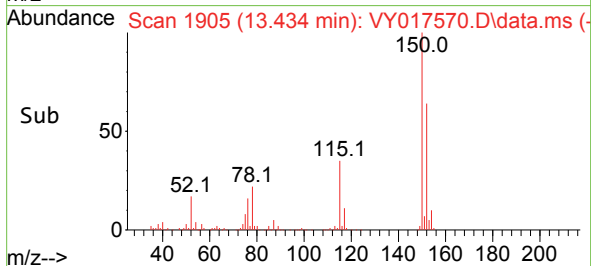
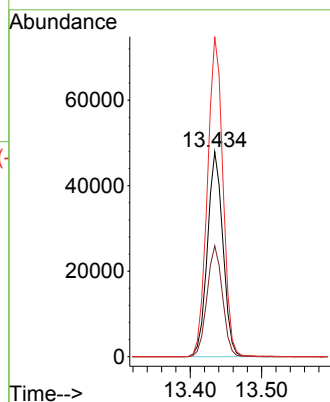
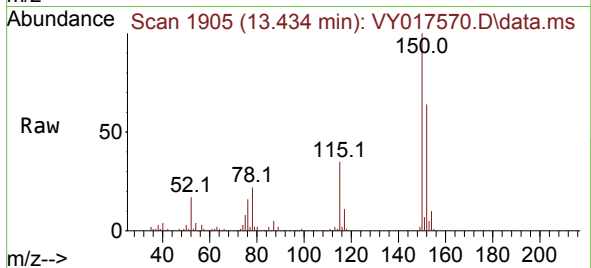
Tgt Ion:152 Resp: 72173

Ion Ratio Lower Upper

152 100

115 53.9 28.2 84.7

150 156.1 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 45.318 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY017570.D

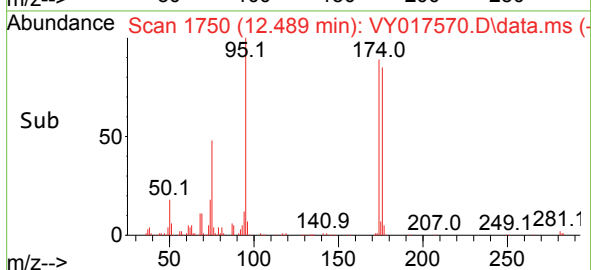
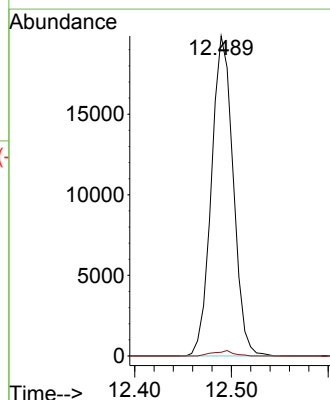
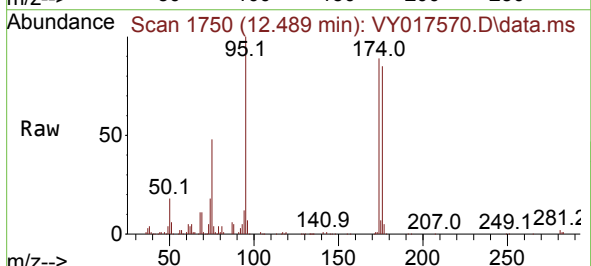
Acq: 05 Mar 2024 14:43

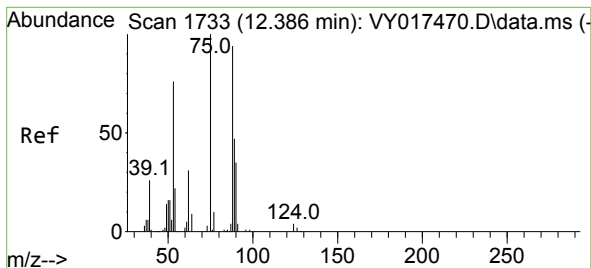
Tgt Ion: 75 Resp: 31077

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

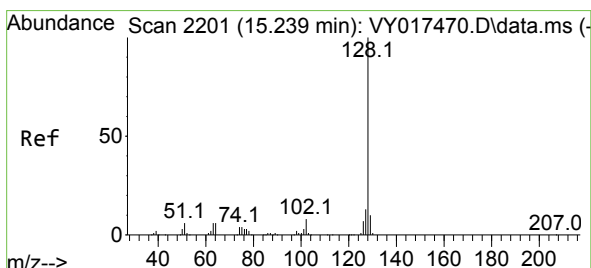
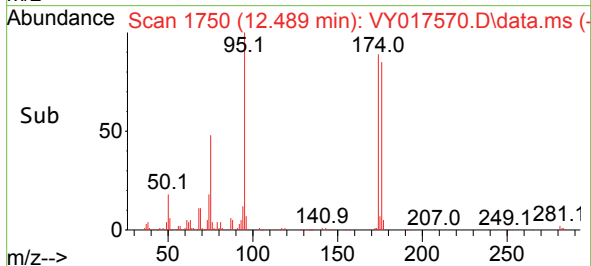
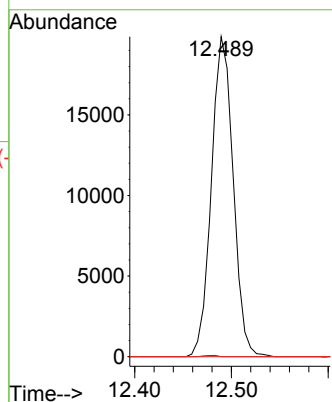
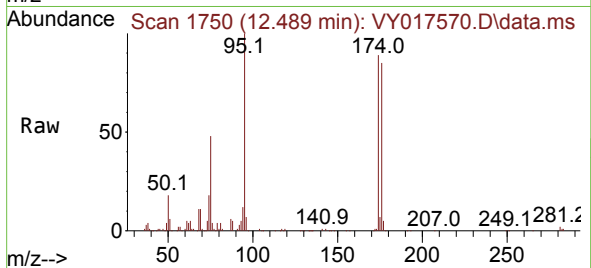




#81
trans-1,4-Dichloro-2-butene
Concen: 104.131 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY017570.D
Acq: 05 Mar 2024 14:43

Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

Tgt Ion: 75 Resp: 31077
Ion Ratio Lower Upper
75 100
53 0.2 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 4.048 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY017570.D
Acq: 05 Mar 2024 14:43

Tgt Ion: 128 Resp: 327
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

