

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022924\
 Data File : VY017536.D
 Acq On : 29 Feb 2024 18:28
 Operator : SY/MD
 Sample : P1659-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-16-VOC

Quant Time: Mar 01 00:33:58 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)

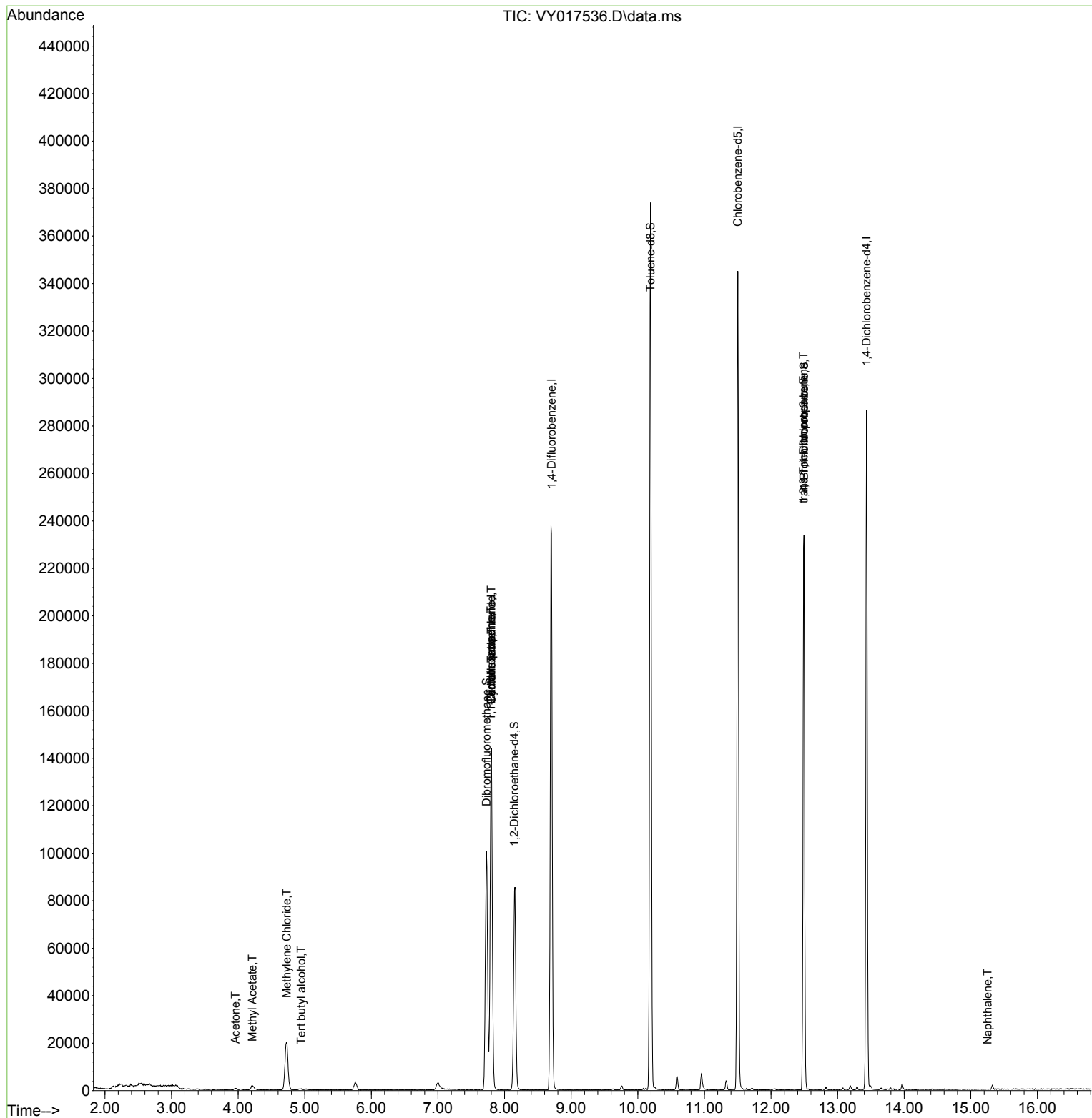
Internal Standards						
1) Pentafluorobenzene	7.801	168	119440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	217855	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	197035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	75153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	63617	56.200	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.400%
35) Dibromofluoromethane	7.728	113	72632	47.845	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.680%
50) Toluene-d8	10.191	98	250236	47.145	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.300%
62) 4-Bromofluorobenzene	12.496	95	68614	41.133	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.260%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	367	3.817	ug/l #	88
16) Acetone	3.960	43	1058	4.819	ug/l	88
18) Methyl Acetate	4.217	43	780	1.464	ug/l #	46
20) Methylene Chloride	4.729	84	16971	8.623	ug/l	95
31) Cyclohexane	7.801	56	2126	1.154	ug/l #	14
36) 1,1-Dichloropropene	7.795	75	8452	4.127	ug/l #	47
38) Carbon Tetrachloride	7.801	117	10839	5.280	ug/l #	16
76) 1,2,3-Trichloropropane	12.489	75	34189	47.879	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	34189	110.016	ug/l #	16
95) Naphthalene	15.251	128	174	3.982	ug/l #	69

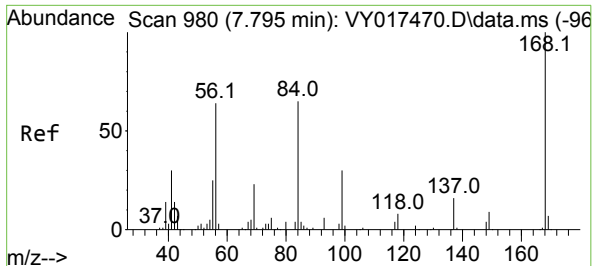
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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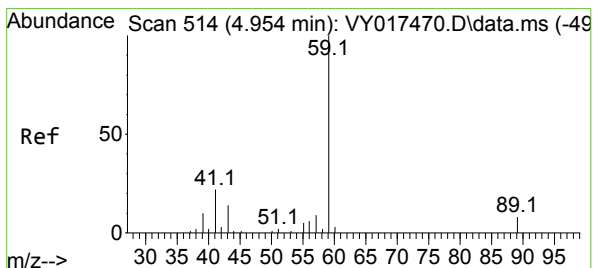
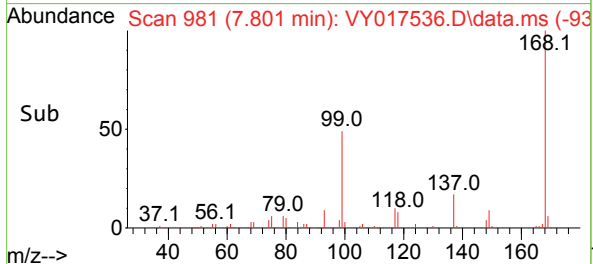
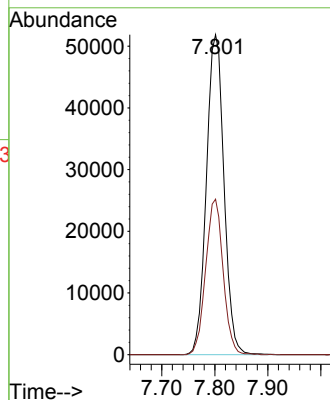
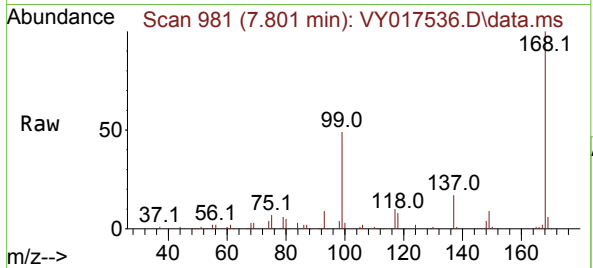




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017536.D
Acq: 29 Feb 2024 18:28

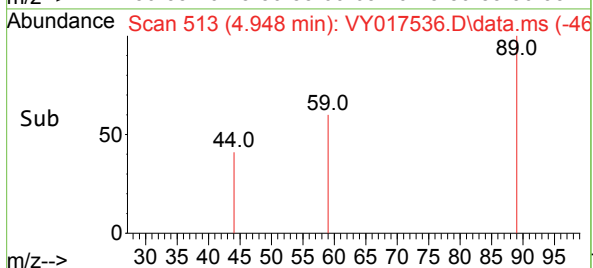
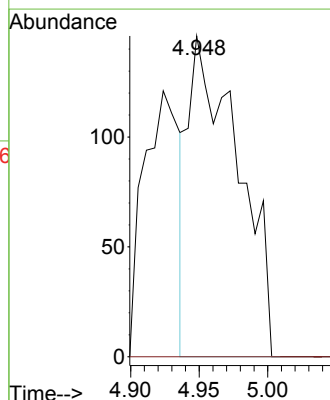
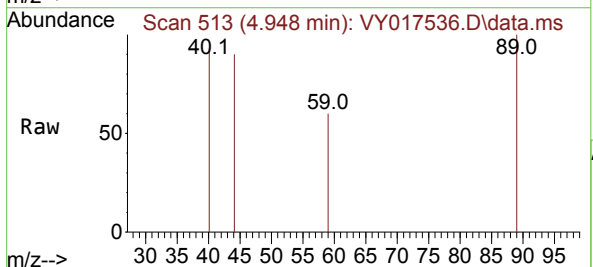
Instrument :
MSVOA_Y
ClientSampleId :
TP-16-VOC

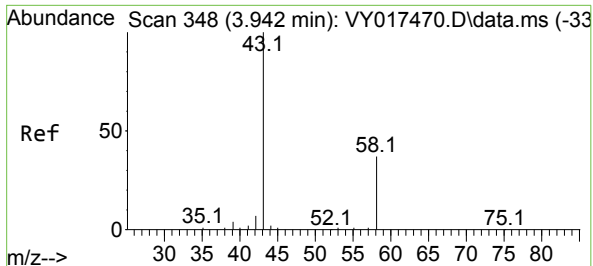
Tgt Ion:168 Resp: 119440
Ion Ratio Lower Upper
168 100
99 48.6 39.1 58.7



#11
Tert butyl alcohol
Concen: 3.817 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY017536.D
Acq: 29 Feb 2024 18:28

Tgt Ion: 59 Resp: 367
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 4.819 ug/l

RT: 3.960 min Scan# 31

Delta R.T. 0.019 min

Lab File: VY017536.D

Acq: 29 Feb 2024 18:28

Instrument :

MSVOA_Y

ClientSampleId :

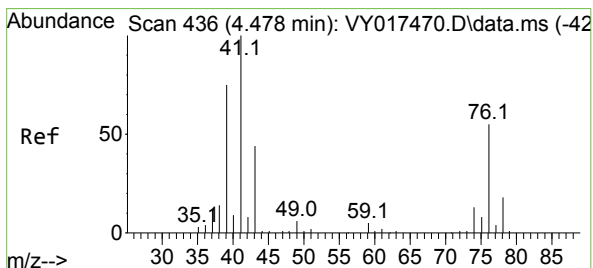
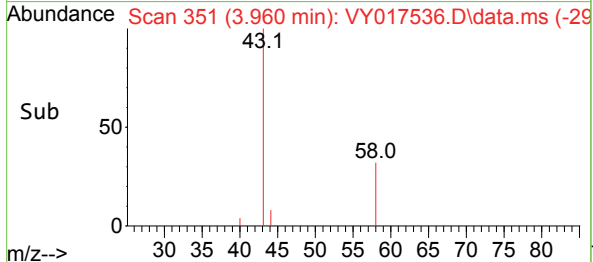
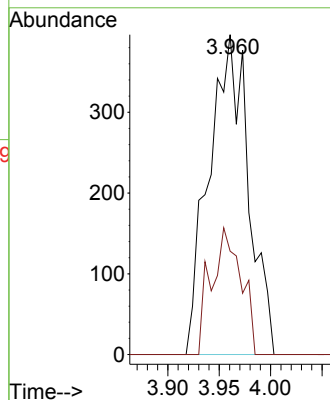
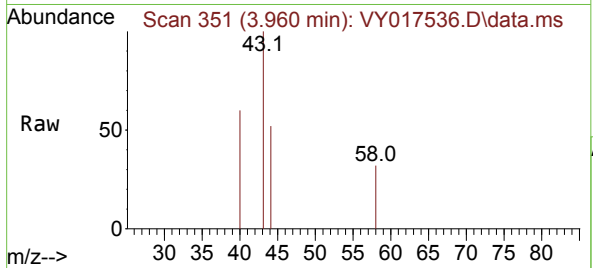
TP-16-VOC

Tgt Ion: 43 Resp: 1058

Ion Ratio Lower Upper

43 100

58 32.3 31.7 47.5



#18

Methyl Acetate

Concen: 1.464 ug/l

RT: 4.217 min Scan# 393

Delta R.T. -0.262 min

Lab File: VY017536.D

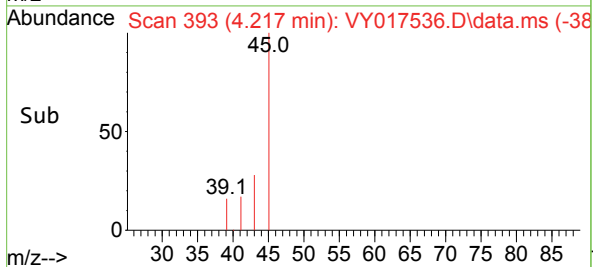
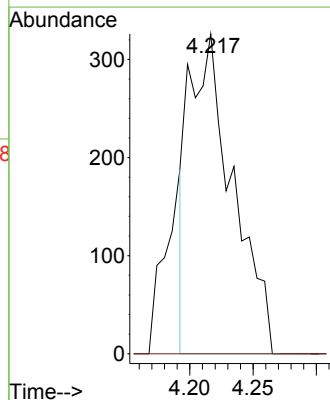
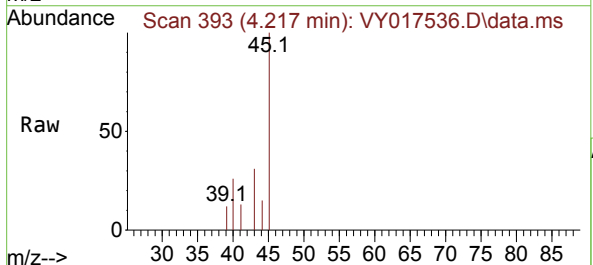
Acq: 29 Feb 2024 18:28

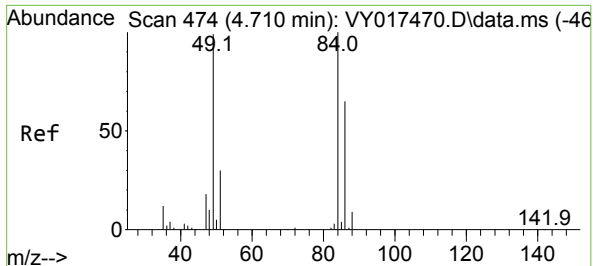
Tgt Ion: 43 Resp: 780

Ion Ratio Lower Upper

43 100

74 0.0 23.3 34.9#

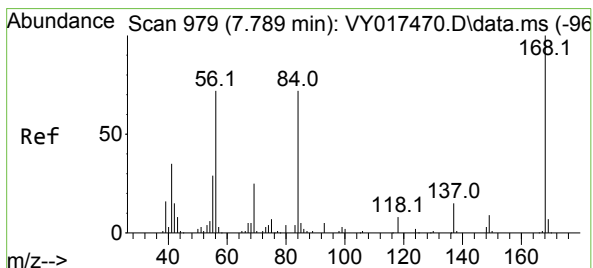
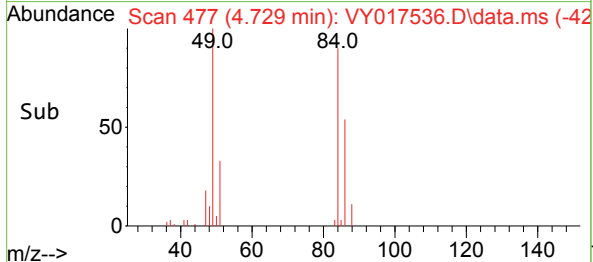
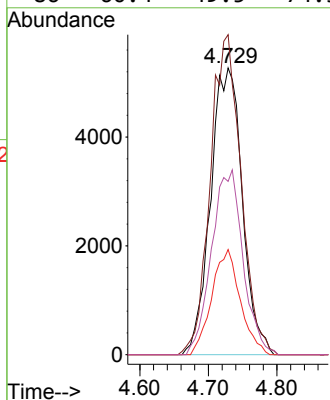
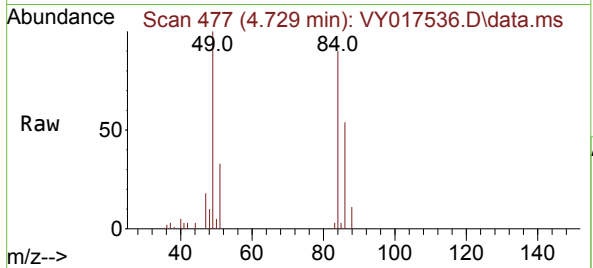




#20
Methylene Chloride
Concen: 8.623 ug/l
RT: 4.729 min Scan# 41
Delta R.T. 0.019 min
Lab File: VY017536.D
Acq: 29 Feb 2024 18:28

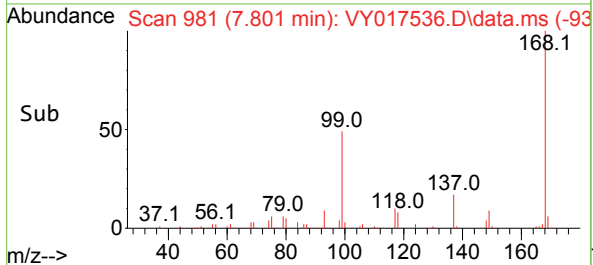
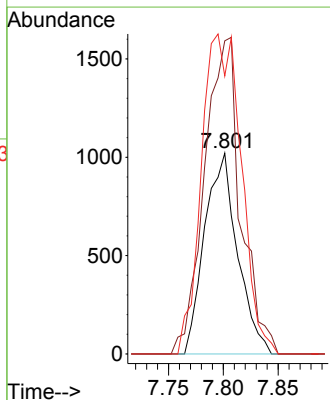
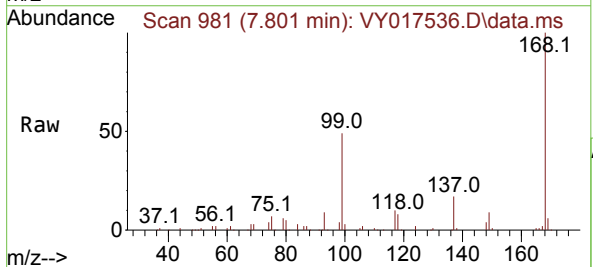
Instrument :
MSVOA_Y
ClientSampleId :
TP-16-VOC

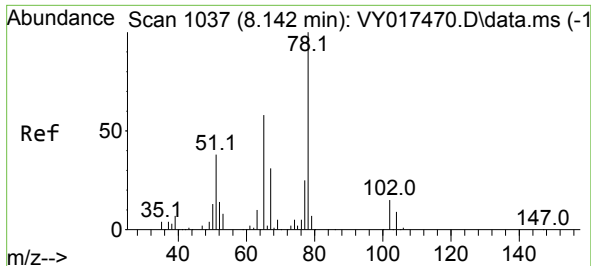
Tgt Ion:	84	Resp:	16971
Ion	Ratio	Lower	Upper
84	100		
49	111.6	84.4	126.6
51	36.7	26.0	39.0
86	60.4	49.5	74.3



#31
Cyclohexane
Concen: 1.154 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY017536.D
Acq: 29 Feb 2024 18:28

Tgt Ion:	56	Resp:	2126
Ion	Ratio	Lower	Upper
56	100		
69	155.9	28.7	43.1#
84	138.4	77.7	116.5#





#33

1,2-Dichloroethane-d4

Concen: 56.200 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY017536.D

Acq: 29 Feb 2024 18:28

Instrument :

MSVOA_Y

ClientSampleId :

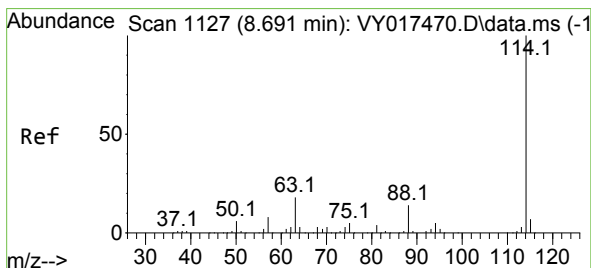
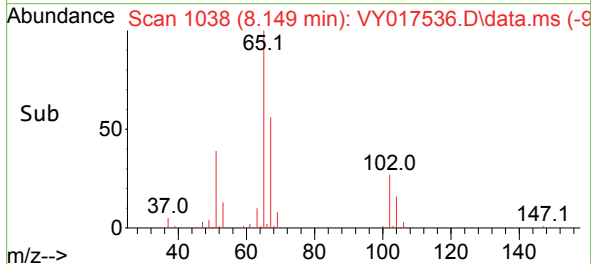
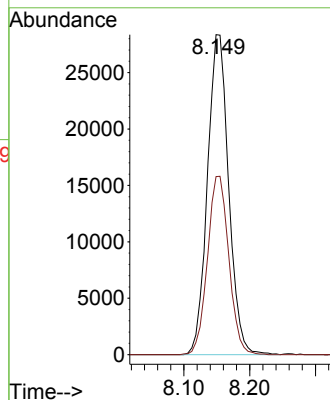
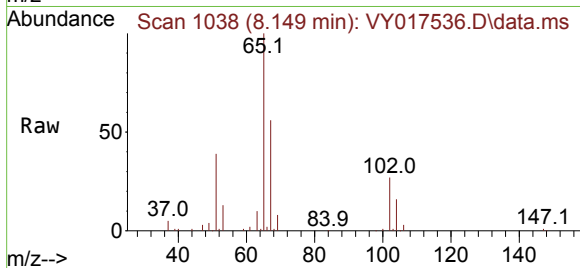
TP-16-VOC

Tgt Ion: 65 Resp: 63617

Ion Ratio Lower Upper

65 100

67 56.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.704 min Scan# 1129

Delta R.T. 0.012 min

Lab File: VY017536.D

Acq: 29 Feb 2024 18:28

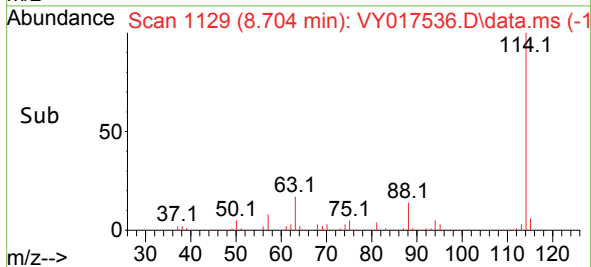
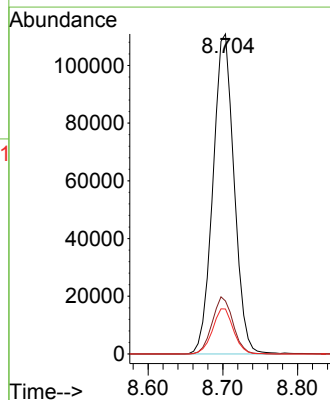
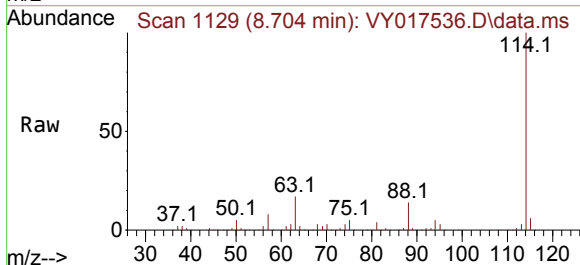
Tgt Ion: 114 Resp: 217855

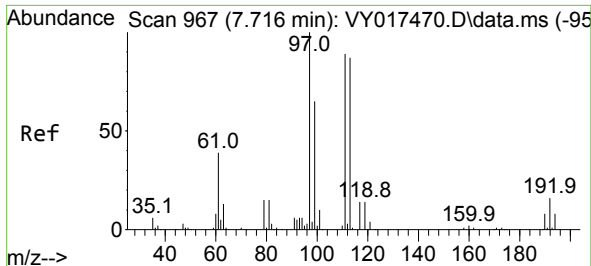
Ion Ratio Lower Upper

114 100

63 16.6 0.0 35.0

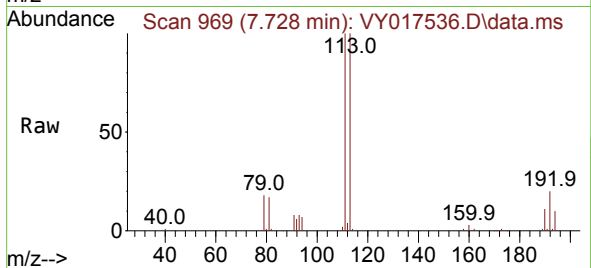
88 14.0 0.0 27.2



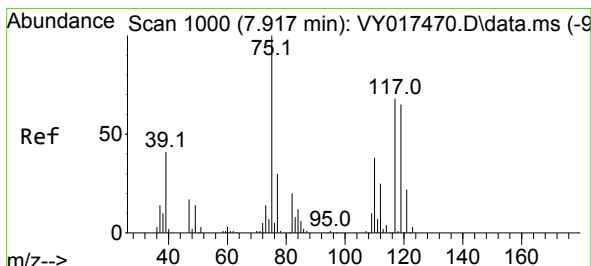
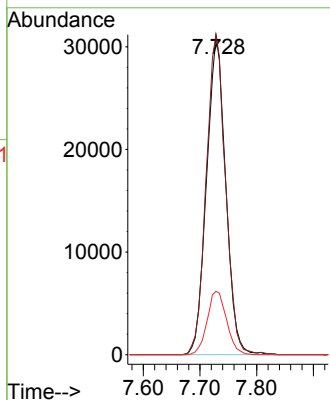
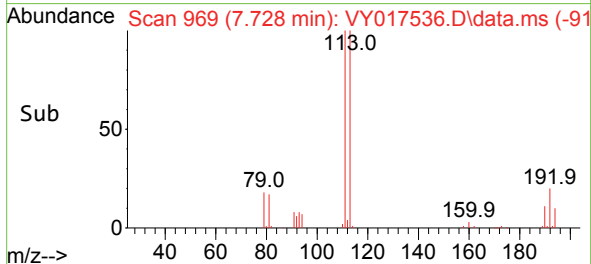


#35
Dibromofluoromethane
Concen: 47.845 ug/l
RT: 7.728 min Scan# 90
Delta R.T. 0.012 min
Lab File: VY017536.D
Acq: 29 Feb 2024 18:28

Instrument :
MSVOA_Y
ClientSampleId :
TP-16-VOC

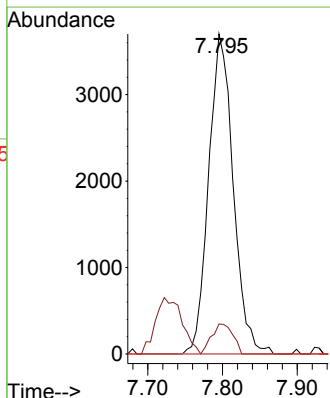
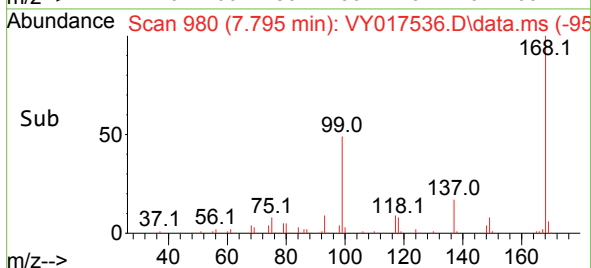
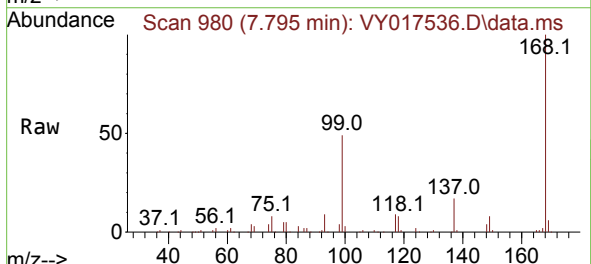


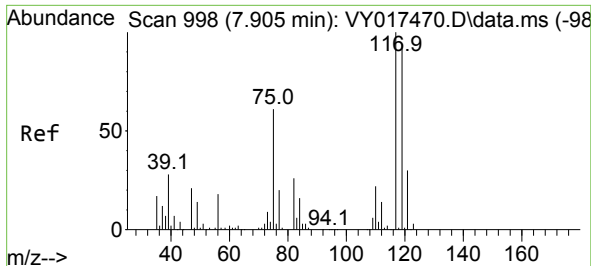
Tgt Ion:113 Resp: 72632
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.4
192 20.2 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.127 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY017536.D
Acq: 29 Feb 2024 18:28

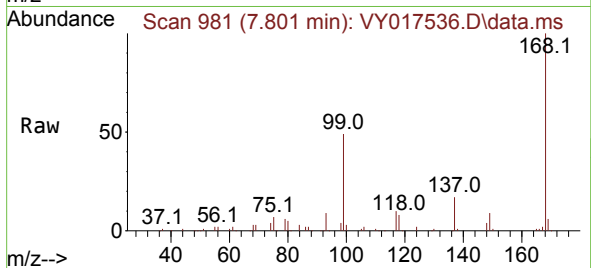
Tgt Ion: 75 Resp: 8452
Ion Ratio Lower Upper
75 100
110 8.1 19.0 57.0#
77 0.0 25.3 37.9#



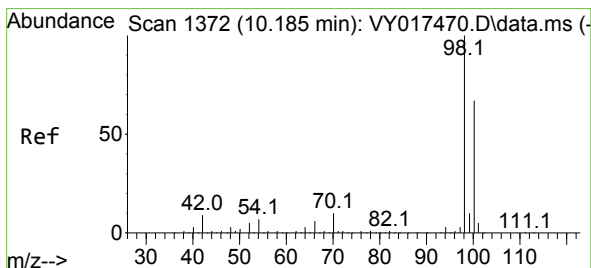
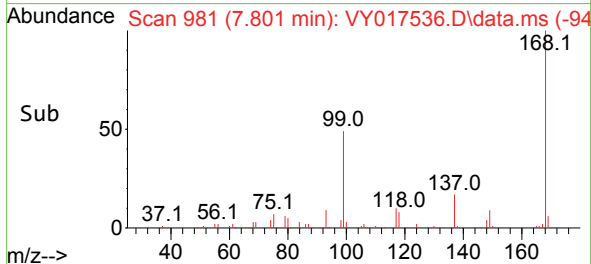
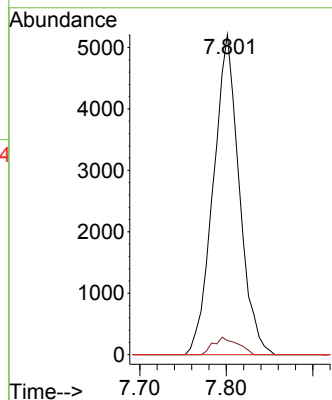


#38
Carbon Tetrachloride
Concen: 5.280 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY017536.D
Acq: 29 Feb 2024 18:28

Instrument :
MSVOA_Y
ClientSampleId :
TP-16-VOC

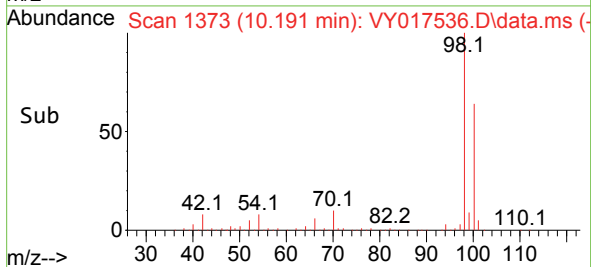
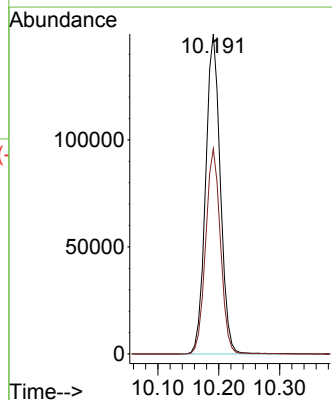
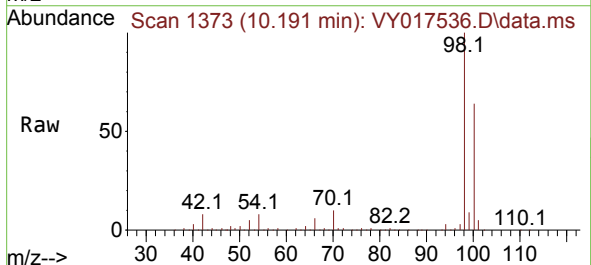


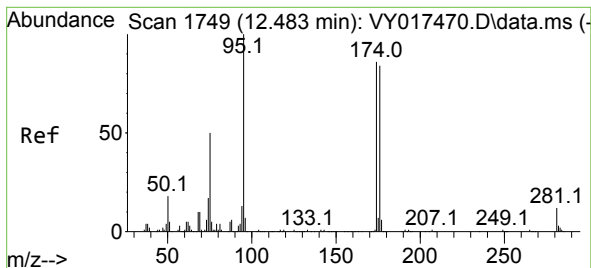
Tgt Ion:117 Resp: 10839
Ion Ratio Lower Upper
117 100
119 4.4 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 47.145 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.006 min
Lab File: VY017536.D
Acq: 29 Feb 2024 18:28

Tgt Ion: 98 Resp: 250236
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0

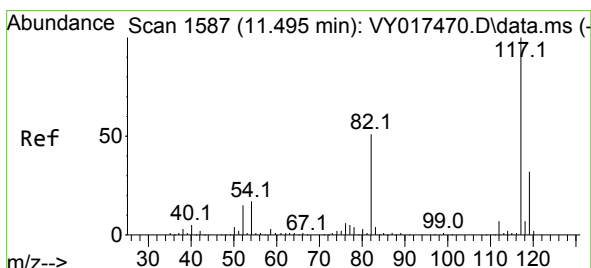
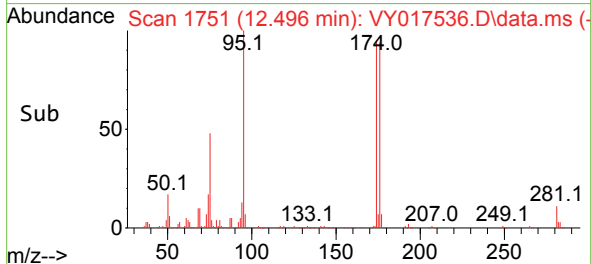
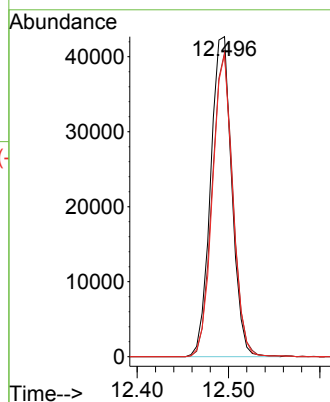
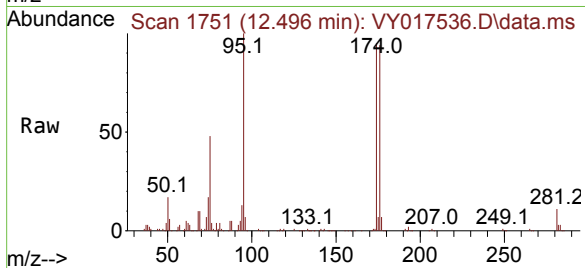




#62
4-Bromofluorobenzene
Concen: 41.133 ug/l
RT: 12.496 min Scan# 1751
Delta R.T. 0.012 min
Lab File: VY017536.D
Acq: 29 Feb 2024 18:28

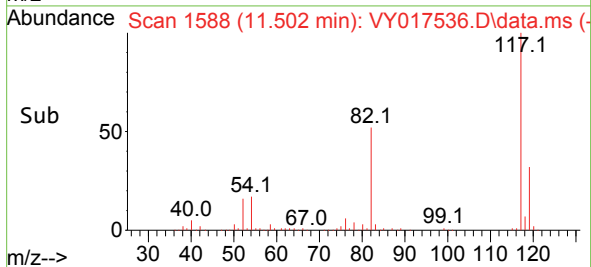
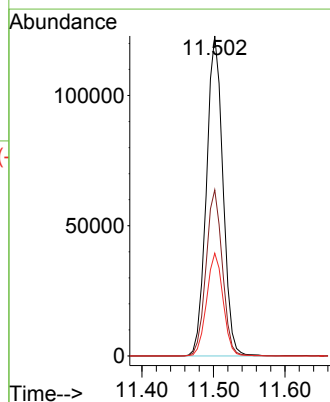
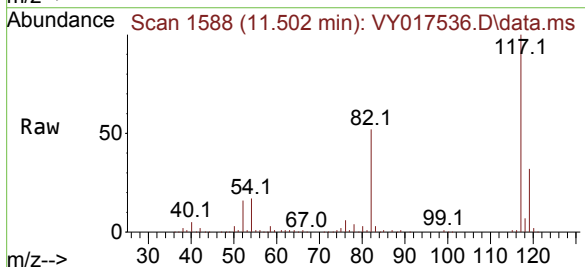
Instrument :
MSVOA_Y
ClientSampleId :
TP-16-VOC

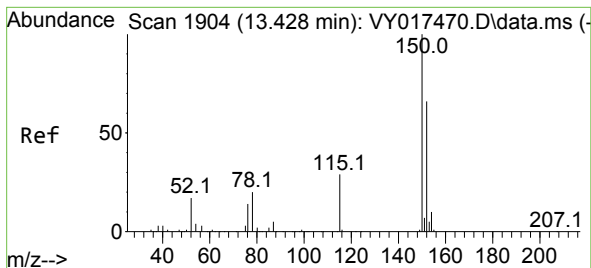
Tgt Ion: 95 Resp: 68614
Ion Ratio Lower Upper
95 100
174 92.8 0.0 175.6
176 90.5 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VY017536.D
Acq: 29 Feb 2024 18:28

Tgt Ion: 117 Resp: 197035
Ion Ratio Lower Upper
117 100
82 51.9 42.4 63.6
119 32.1 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: VY017536.D

Acq: 29 Feb 2024 18:28

Instrument :

MSVOA_Y

ClientSampleId :

TP-16-VOC

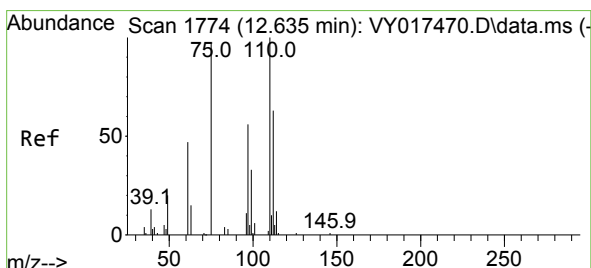
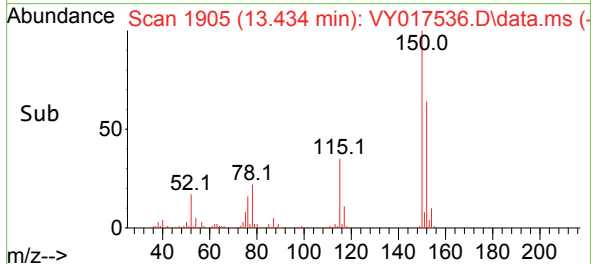
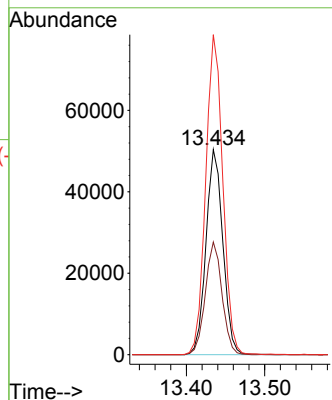
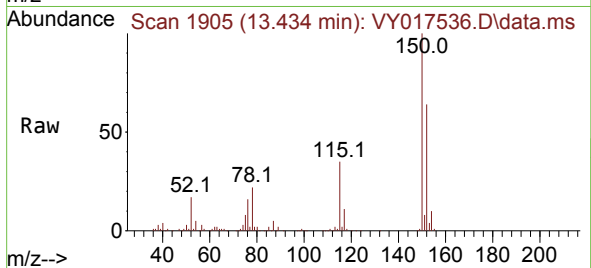
Tgt Ion:152 Resp: 75153

Ion Ratio Lower Upper

152 100

115 54.5 28.2 84.7

150 157.8 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 47.879 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY017536.D

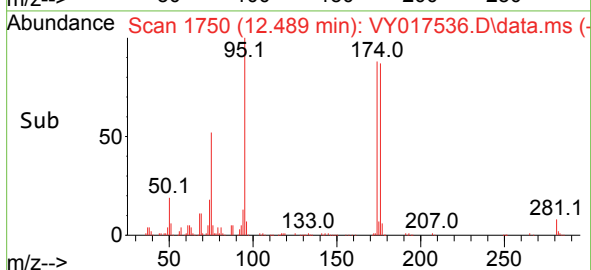
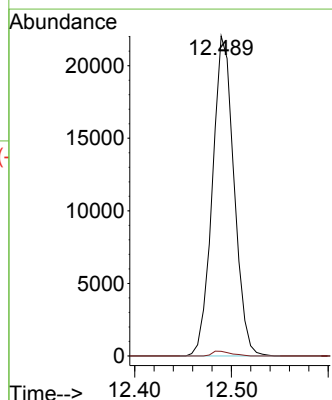
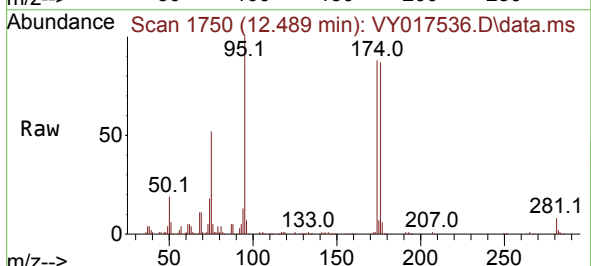
Acq: 29 Feb 2024 18:28

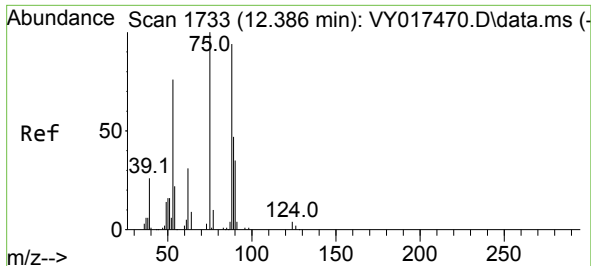
Tgt Ion: 75 Resp: 34189

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

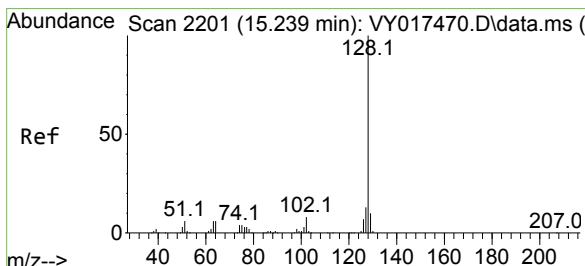
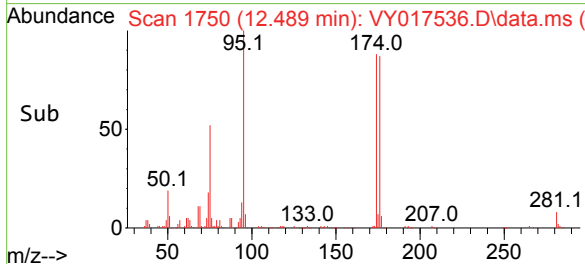
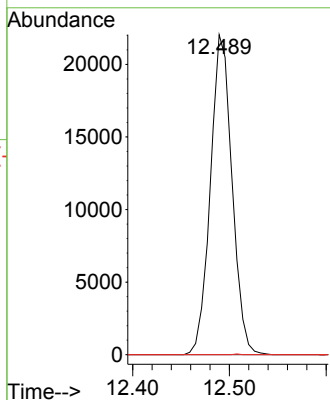
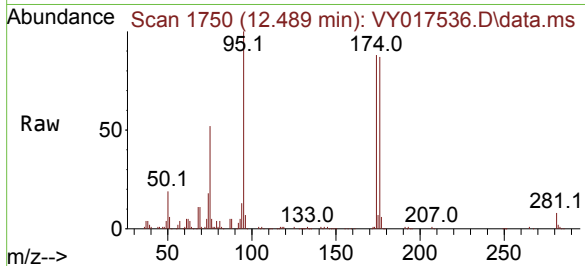




#81
trans-1,4-Dichloro-2-butene
Concen: 110.016 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY017536.D
Acq: 29 Feb 2024 18:28

Instrument :
MSVOA_Y
ClientSampleId :
TP-16-VOC

Tgt Ion: 75 Resp: 34189
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#



#95
Naphthalene
Concen: 3.982 ug/l
RT: 15.251 min Scan# 2203
Delta R.T. 0.012 min
Lab File: VY017536.D
Acq: 29 Feb 2024 18:28

Tgt Ion:128 Resp: 174
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

