

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021224\
 Data File : VY017361.D
 Acq On : 12 Feb 2024 18:17
 Operator : SY/MD
 Sample : P1453-03RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3-VOV

Quant Time: Feb 13 01:30:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

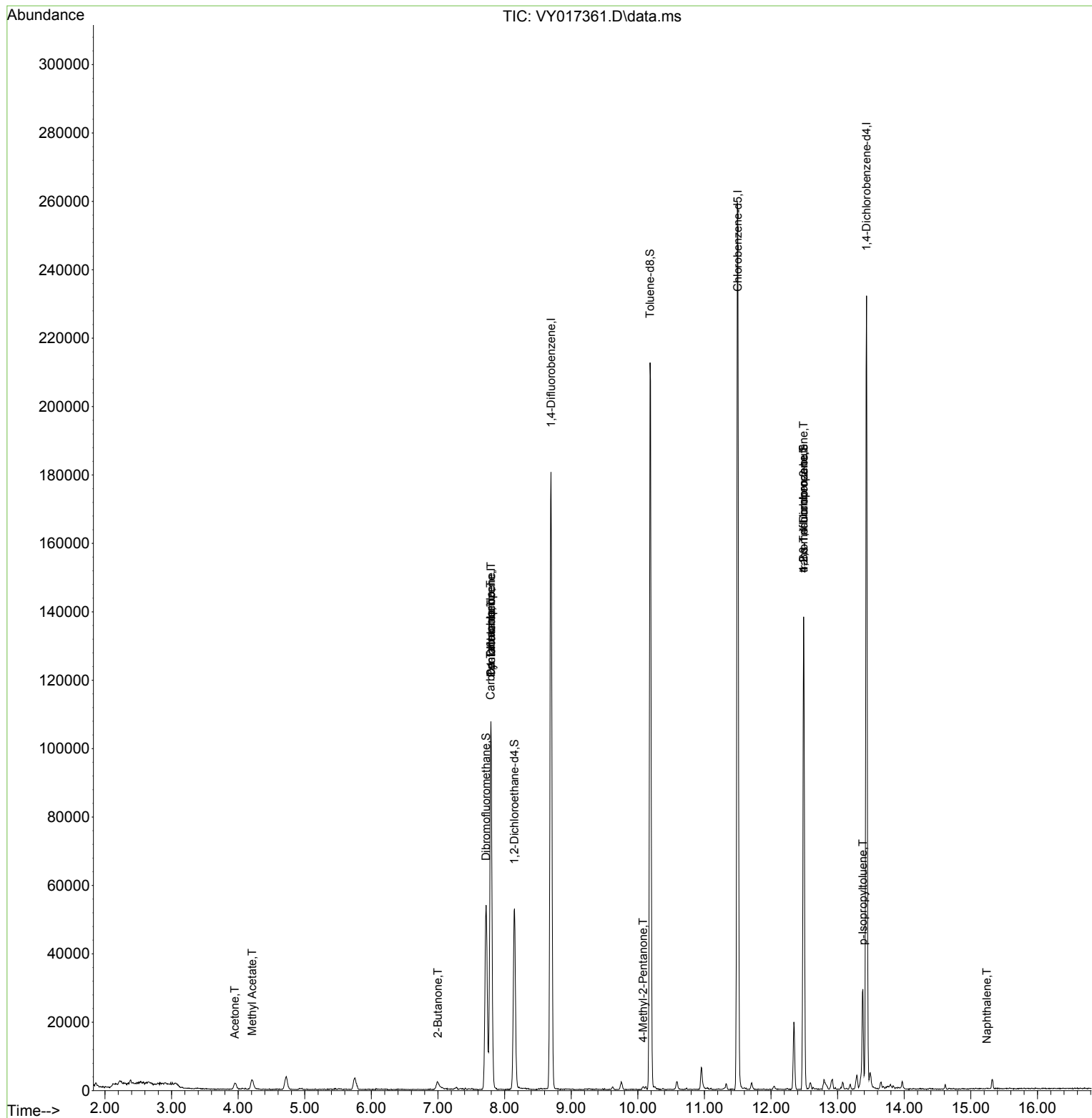
Internal Standards						
1) Pentafluorobenzene	7.795	168	80884	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	158711	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	143639	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	58147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	40548	56.117	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.240%
35) Dibromofluoromethane	7.722	113	39845	46.497	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.000%
50) Toluene-d8	10.185	98	137975	44.222	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.440%
62) 4-Bromofluorobenzene	12.489	95	41256	40.365	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.740%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	375	Below Cal	#	75
16) Acetone	3.948	43	3615	17.022	ug/l	98
18) Methyl Acetate	4.210	43	899	1.898	ug/l #	51
20) Methylene Chloride	4.716	84	2866	Below Cal	#	90
25) 2-Butanone	6.996	43	855	3.028	ug/l #	88
31) Cyclohexane	7.795	56	1900	1.305	ug/l #	23
36) 1,1-Dichloropropene	7.795	75	6650	4.499	ug/l #	50
38) Carbon Tetrachloride	7.789	117	8441	5.964	ug/l #	16
51) 4-Methyl-2-Pentanone	10.081	43	757	1.164	ug/l	89
76) 1,2,3-Trichloropropane	12.489	75	21792	40.605	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	21792	84.371	ug/l #	12
86) p-Isopropyltoluene	13.379	119	15467	4.253	ug/l	97
95) Naphthalene	15.239	128	309	3.610	ug/l #	69

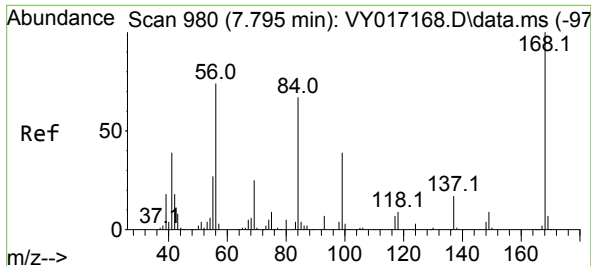
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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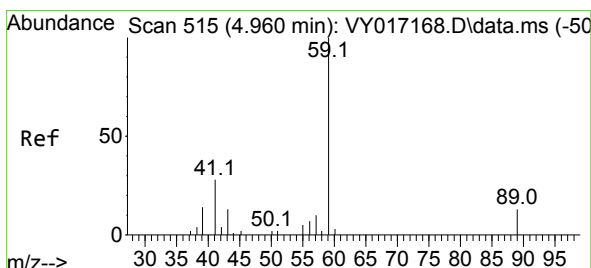
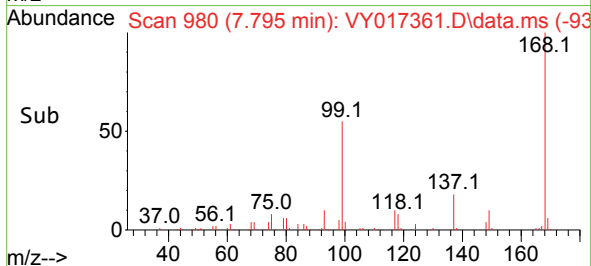
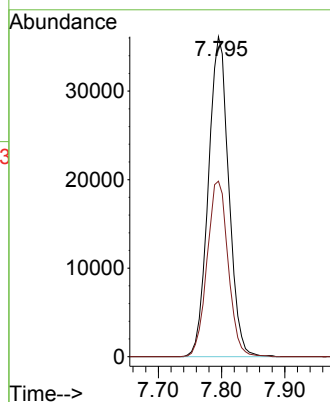
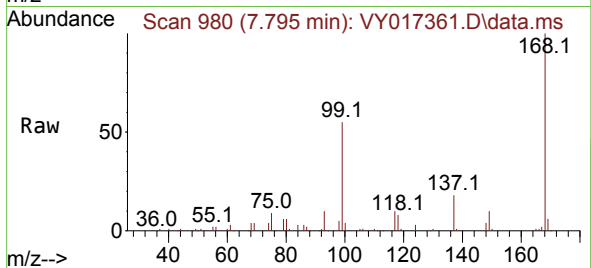




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY017361.D
Acq: 12 Feb 2024 18:17

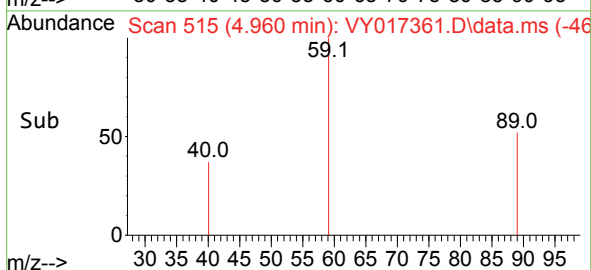
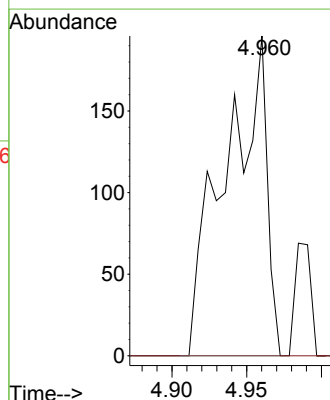
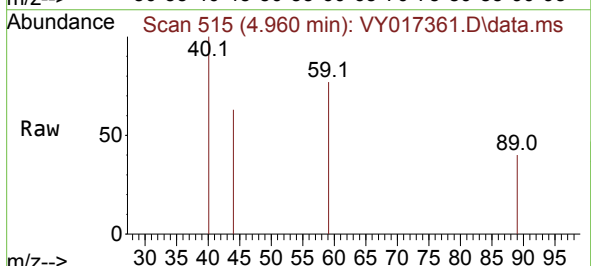
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOV

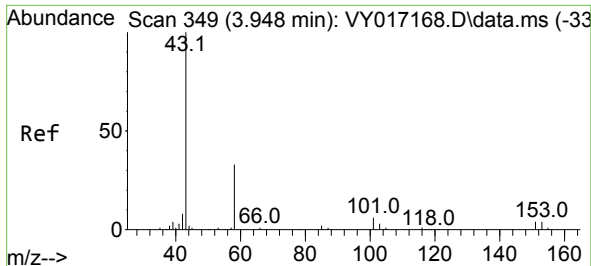
Tgt Ion:168 Resp: 80884
Ion Ratio Lower Upper
168 100
99 54.8 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY017361.D
Acq: 12 Feb 2024 18:17

Tgt Ion: 59 Resp: 375
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 17.022 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY017361.D

Acq: 12 Feb 2024 18:17

Instrument :

MSVOA_Y

ClientSampleId :

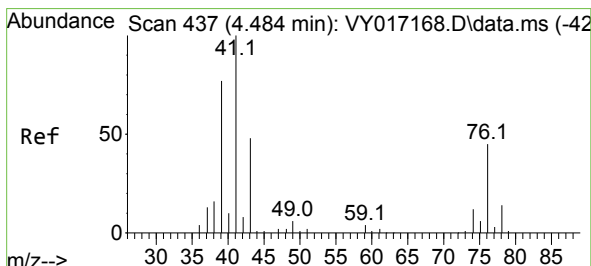
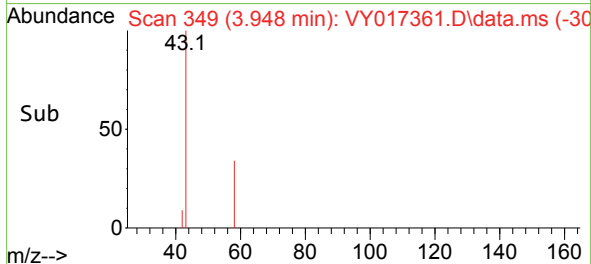
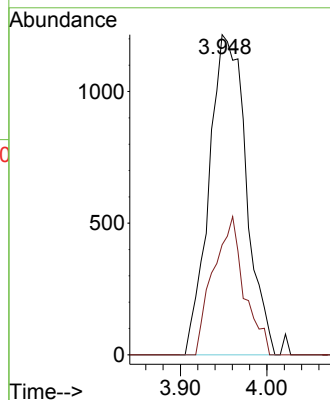
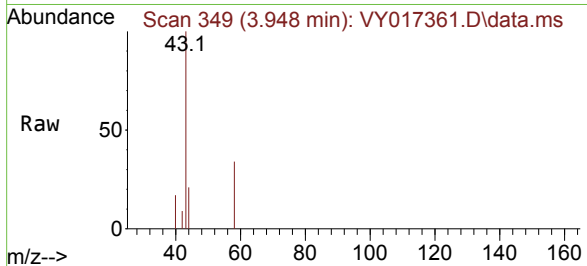
TP-3-VOV

Tgt Ion: 43 Resp: 3615

Ion Ratio Lower Upper

43 100

58 34.4 26.6 39.8



#18

Methyl Acetate

Concen: 1.898 ug/l

RT: 4.210 min Scan# 392

Delta R.T. -0.274 min

Lab File: VY017361.D

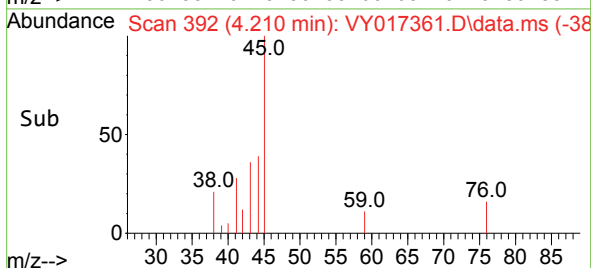
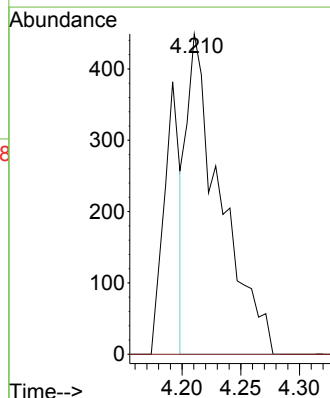
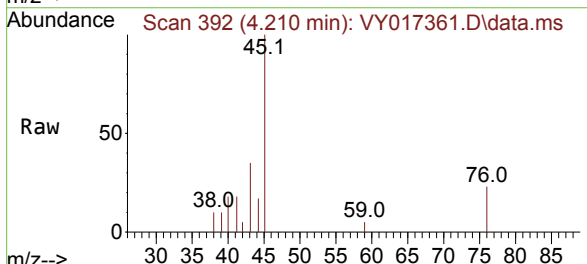
Acq: 12 Feb 2024 18:17

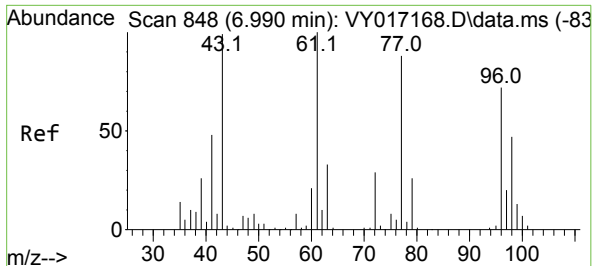
Tgt Ion: 43 Resp: 899

Ion Ratio Lower Upper

43 100

74 0.0 19.8 29.6#





#25

2-Butanone

Concen: 3.028 ug/l

RT: 6.996 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY017361.D

Acq: 12 Feb 2024 18:17

Instrument :

MSVOA_Y

ClientSampleId :

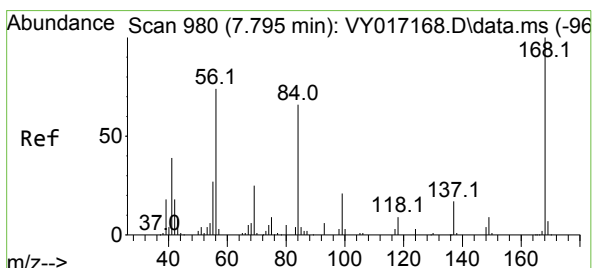
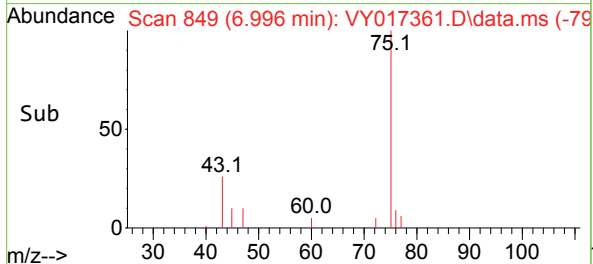
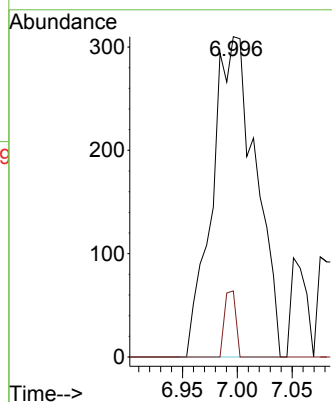
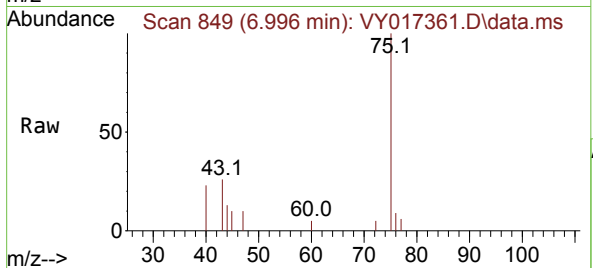
TP-3-VOV

Tgt Ion: 43 Resp: 855

Ion Ratio Lower Upper

43 100

72 20.6 21.4 32.2#



#31

Cyclohexane

Concen: 1.305 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.000 min

Lab File: VY017361.D

Acq: 12 Feb 2024 18:17

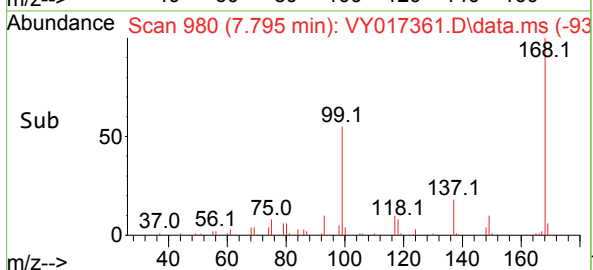
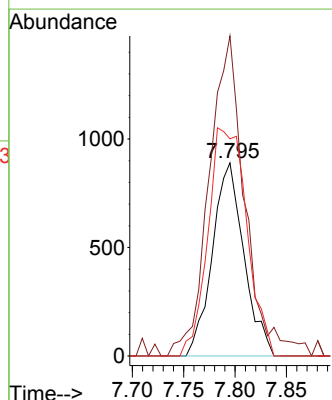
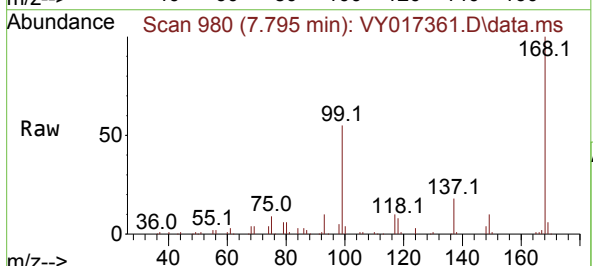
Tgt Ion: 56 Resp: 1900

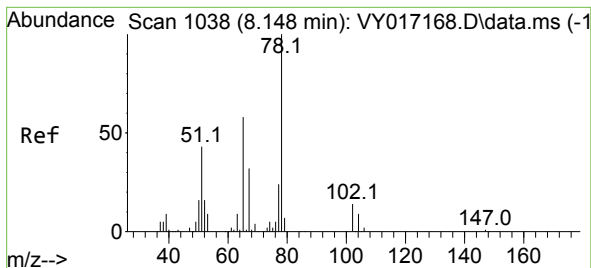
Ion Ratio Lower Upper

56 100

69 158.1 27.0 40.6#

84 112.5 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 56.117 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY017361.D

Acq: 12 Feb 2024 18:17

Instrument :

MSVOA_Y

ClientSampleId :

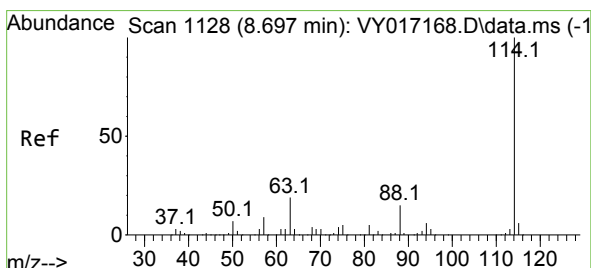
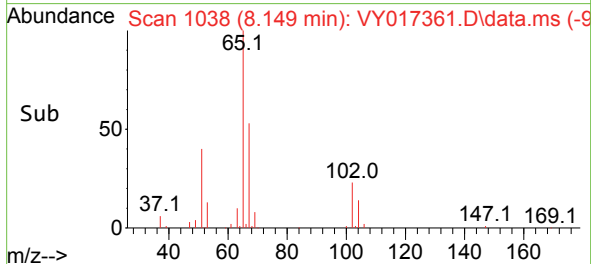
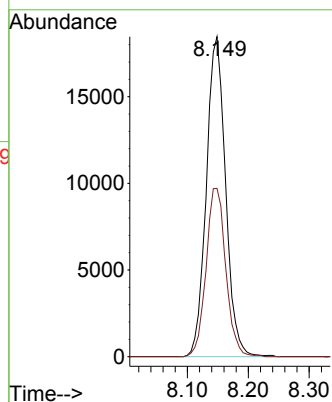
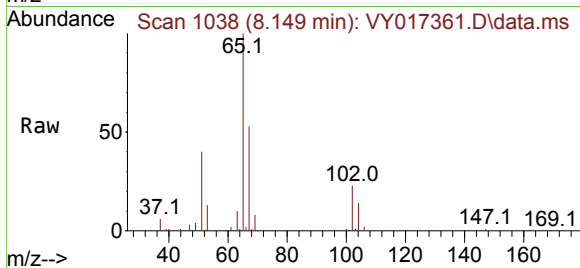
TP-3-VOV

Tgt Ion: 65 Resp: 40548

Ion Ratio Lower Upper

65 100

67 53.9 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY017361.D

Acq: 12 Feb 2024 18:17

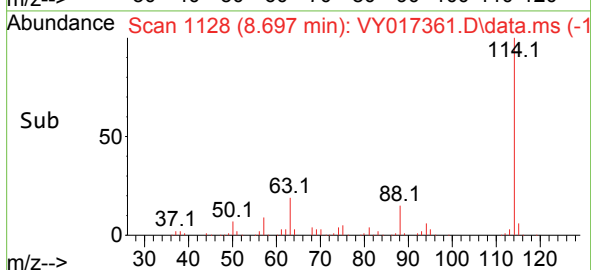
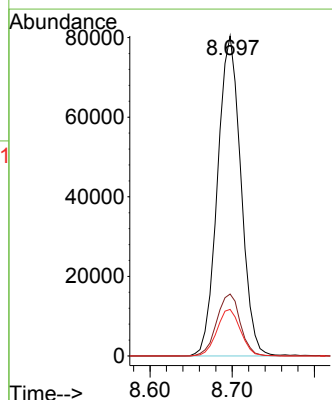
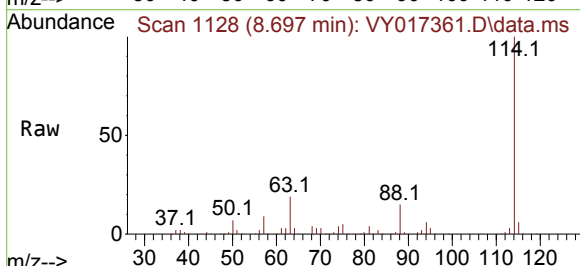
Tgt Ion: 114 Resp: 158711

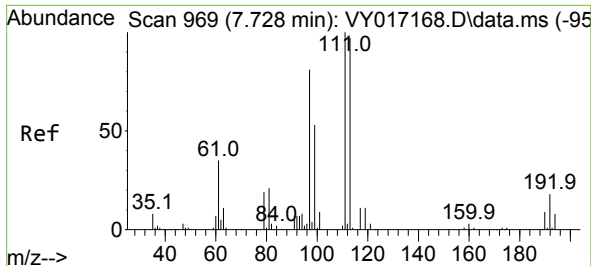
Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.4

88 14.6 0.0 29.0

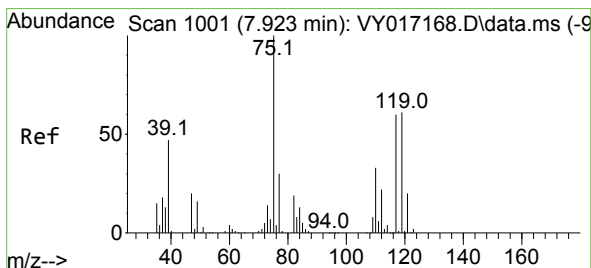
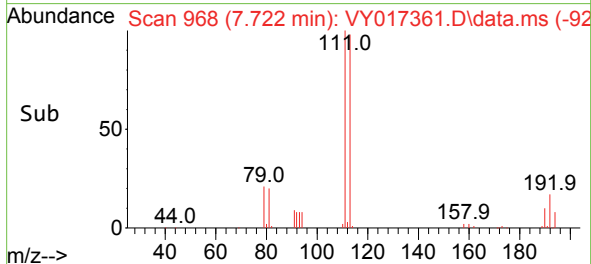
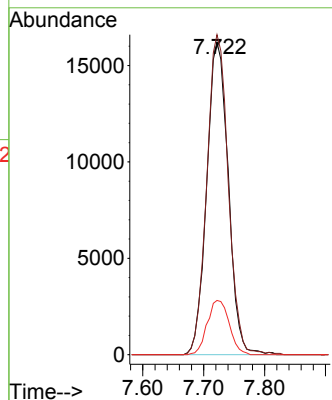
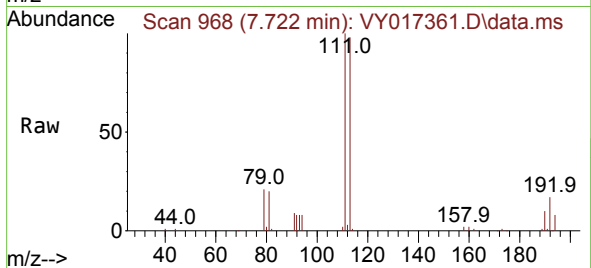




#35
Dibromofluoromethane
Concen: 46.497 ug/l
RT: 7.722 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY017361.D
Acq: 12 Feb 2024 18:17

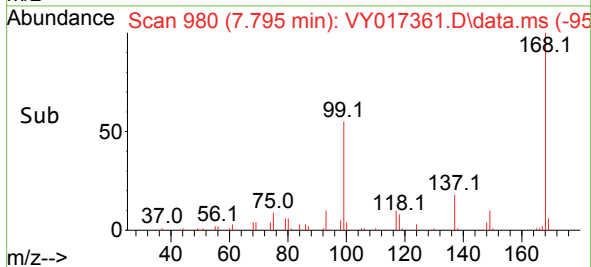
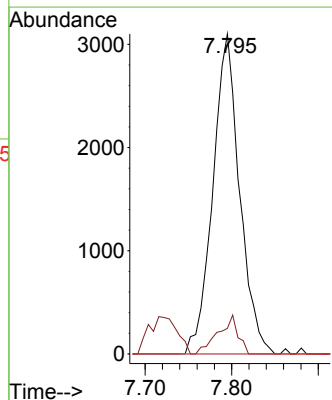
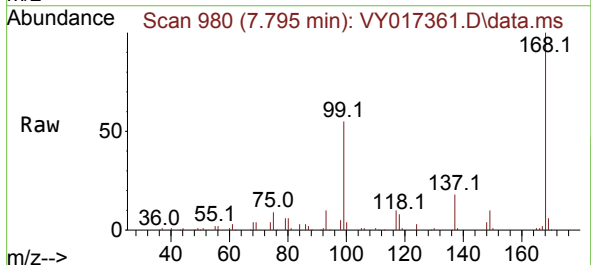
Instrument :
MSVOA_Y
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TP-3-VOV

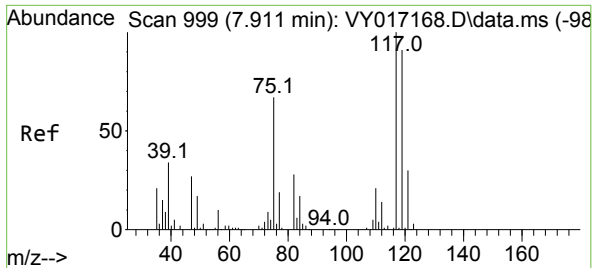
Tgt Ion:113 Resp: 39845
Ion Ratio Lower Upper
113 100
111 102.2 83.8 125.6
192 17.7 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.499 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY017361.D
Acq: 12 Feb 2024 18:17

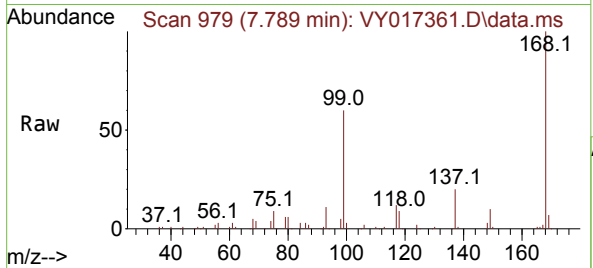
Tgt Ion: 75 Resp: 6650
Ion Ratio Lower Upper
75 100
110 8.9 17.4 52.3#
77 0.0 24.7 37.1#



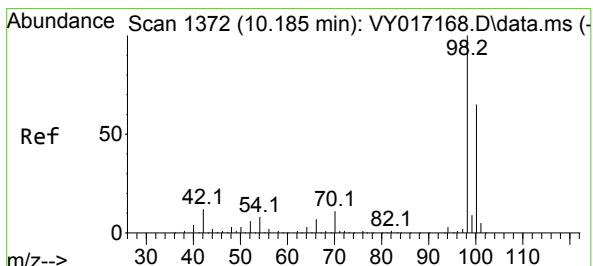
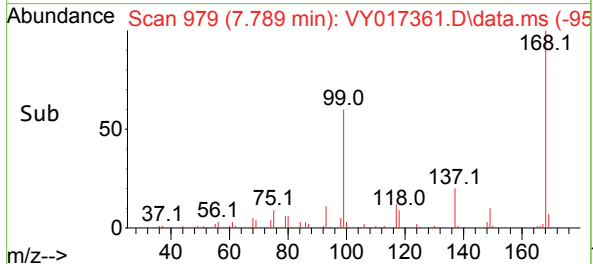
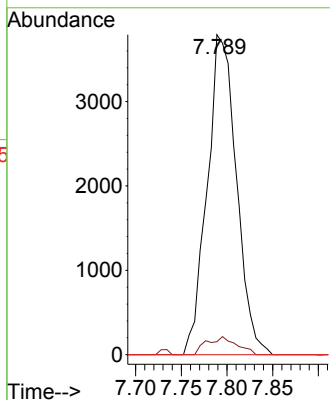


#38
Carbon Tetrachloride
Concen: 5.964 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY017361.D
Acq: 12 Feb 2024 18:17

Instrument :
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ClientSampleId :
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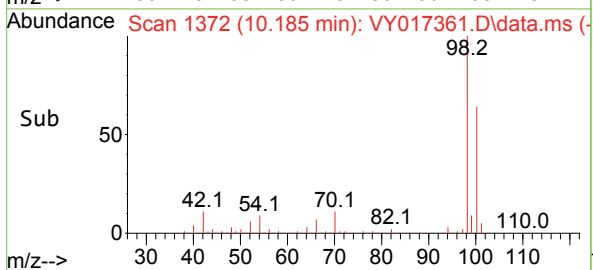
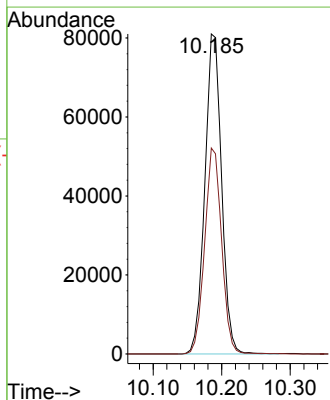
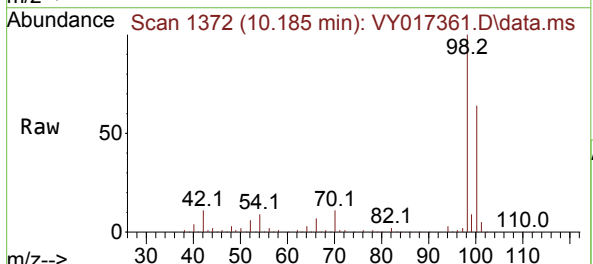


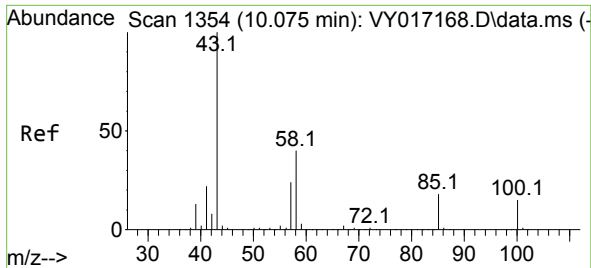
Tgt Ion:117 Resp: 8441
Ion Ratio Lower Upper
117 100
119 4.1 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 44.222 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY017361.D
Acq: 12 Feb 2024 18:17

Tgt Ion: 98 Resp: 137975
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5

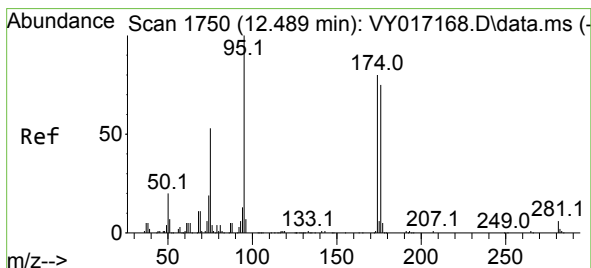
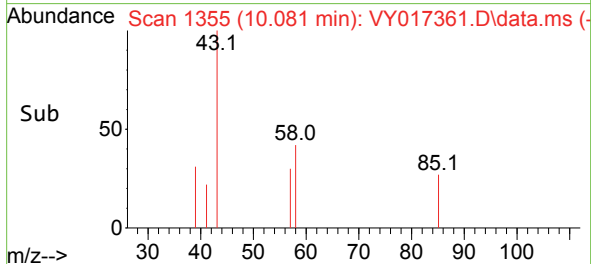
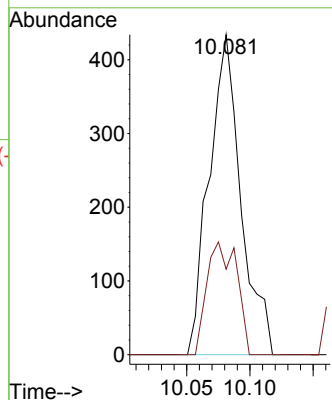
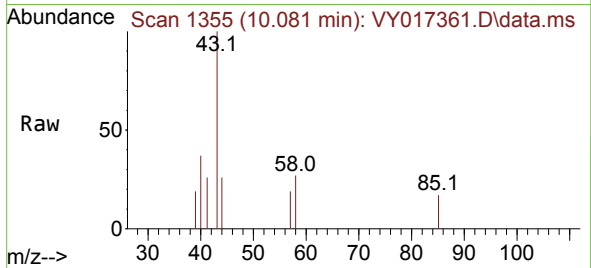




#51
4-Methyl-2-Pentanone
Concen: 1.164 ug/l
RT: 10.081 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY017361.D
Acq: 12 Feb 2024 18:17

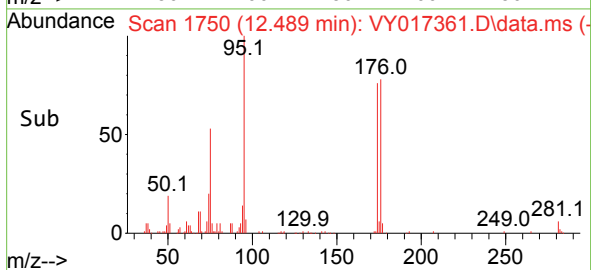
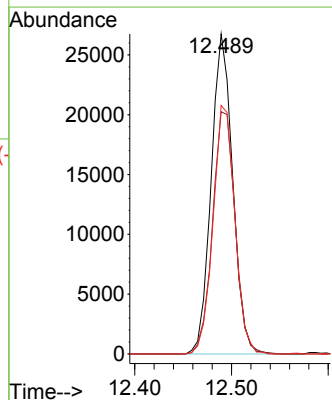
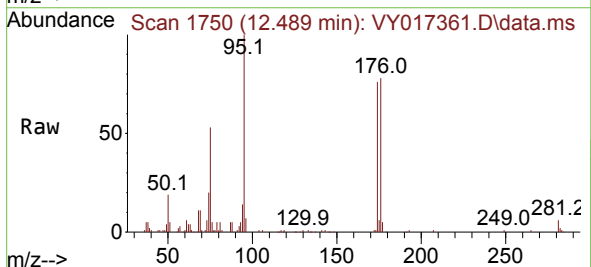
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOV

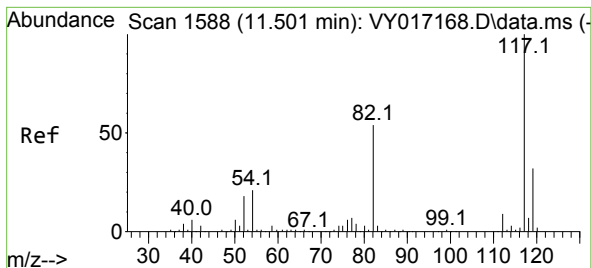
Tgt Ion: 43 Resp: 757
Ion Ratio Lower Upper
43 100
58 33.2 32.2 48.2



#62
4-Bromofluorobenzene
Concen: 40.365 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY017361.D
Acq: 12 Feb 2024 18:17

Tgt Ion: 95 Resp: 41256
Ion Ratio Lower Upper
95 100
174 79.6 0.0 160.0
176 78.6 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY017361.D

Acq: 12 Feb 2024 18:17

Instrument :

MSVOA_Y

ClientSampleId :

TP-3-VOV

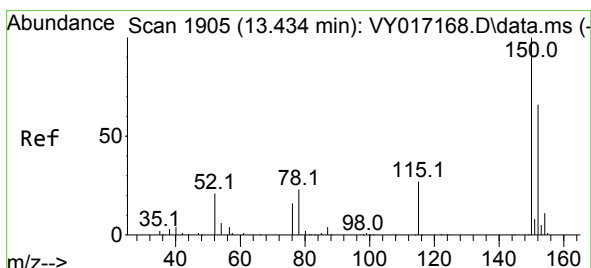
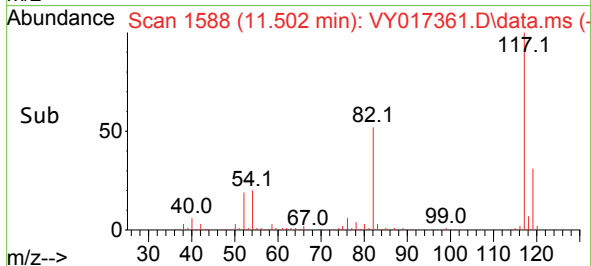
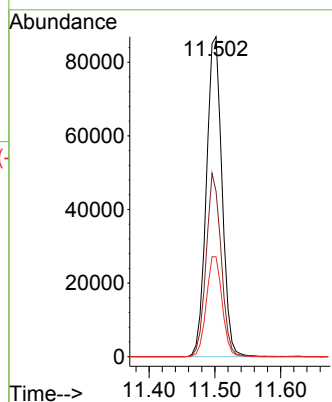
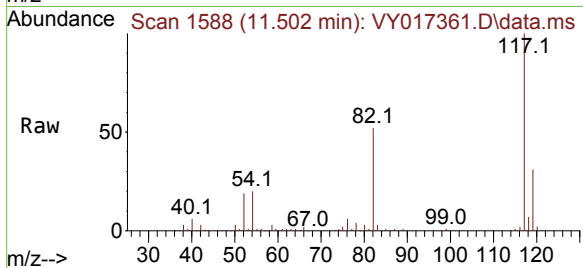
Tgt Ion:117 Resp: 143639

Ion Ratio Lower Upper

117 100

82 51.7 43.8 65.8

119 31.2 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY017361.D

Acq: 12 Feb 2024 18:17

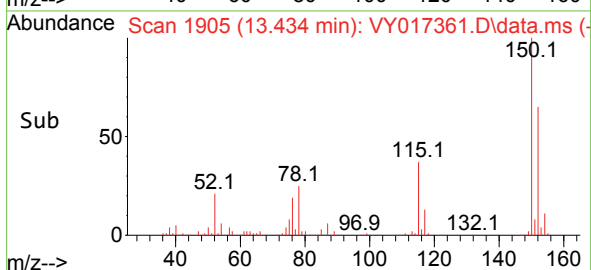
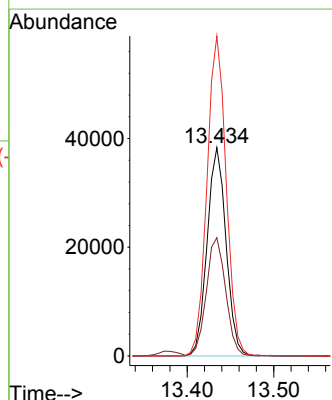
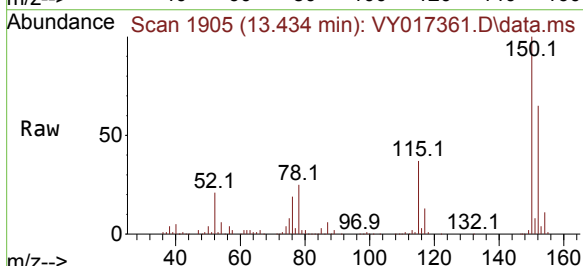
Tgt Ion:152 Resp: 58147

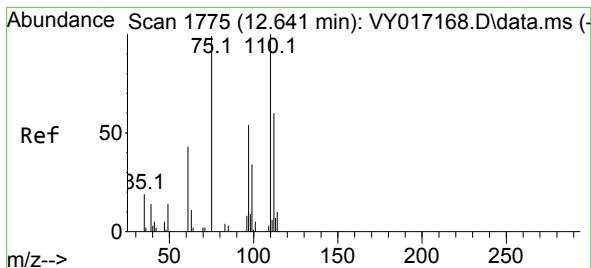
Ion Ratio Lower Upper

152 100

115 58.0 30.0 90.0

150 155.2 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 40.605 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY017361.D

Acq: 12 Feb 2024 18:17

Instrument :

MSVOA_Y

ClientSampleId :

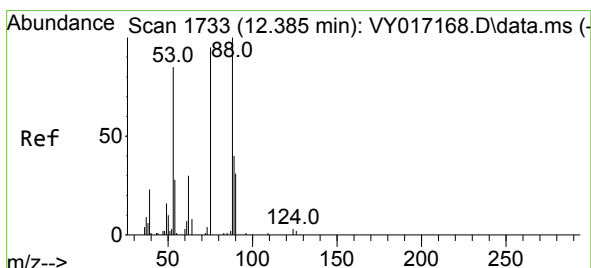
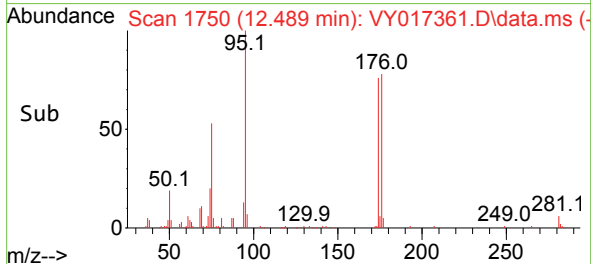
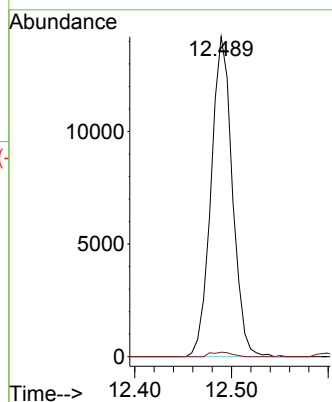
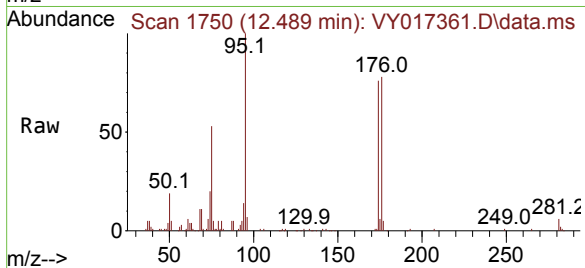
TP-3-VOV

Tgt Ion: 75 Resp: 21792

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 84.371 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.104 min

Lab File: VY017361.D

Acq: 12 Feb 2024 18:17

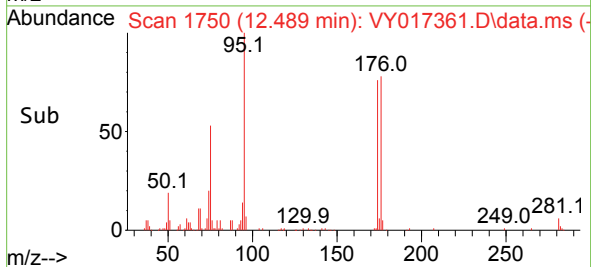
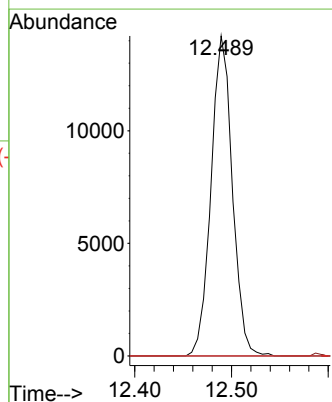
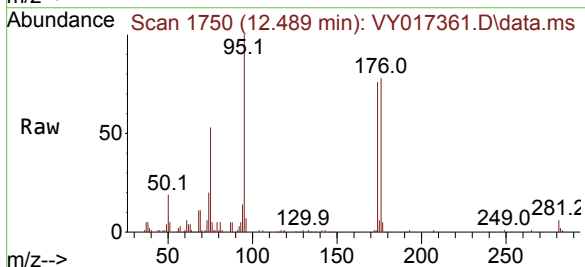
Tgt Ion: 75 Resp: 21792

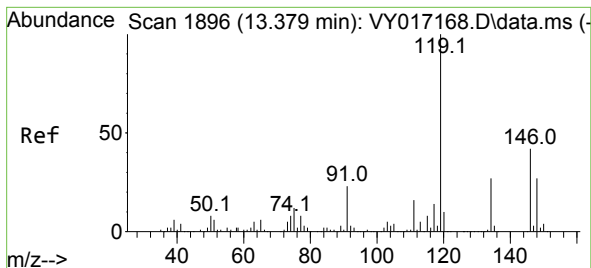
Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

89 0.0 36.5 54.7#





#86

p-Isopropyltoluene

Concen: 4.253 ug/l

RT: 13.379 min Scan# 119

Delta R.T. 0.000 min

Lab File: VY017361.D

Acq: 12 Feb 2024 18:17

Instrument :

MSVOA_Y

ClientSampleId :

TP-3-VOV

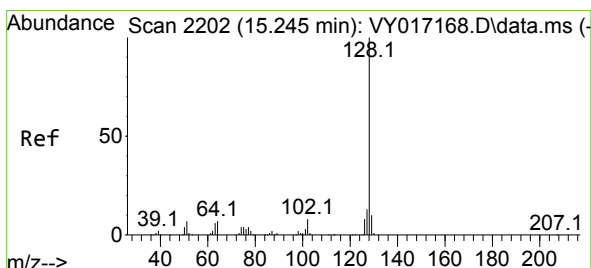
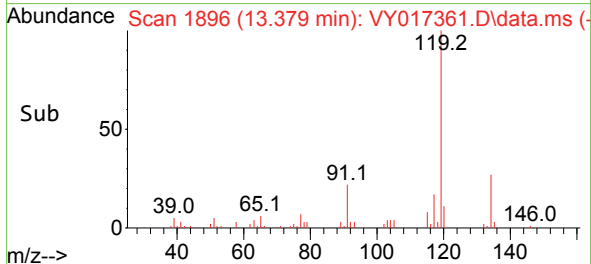
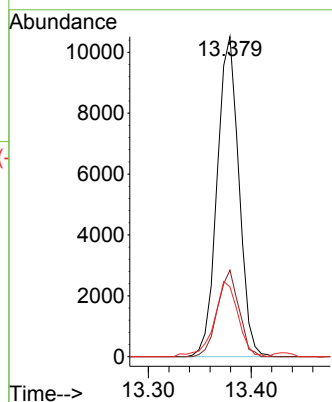
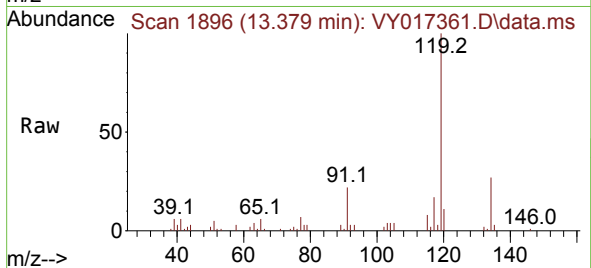
Tgt Ion:119 Resp: 15467

Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.1

91 25.8 11.7 35.0



#95

Naphthalene

Concen: 3.610 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY017361.D

Acq: 12 Feb 2024 18:17

Tgt Ion:128 Resp: 309

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.6 12.8#

