

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021224\
 Data File : VY017360.D
 Acq On : 12 Feb 2024 17:53
 Operator : SY/MD
 Sample : P1453-07RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2-VOCRE

Quant Time: Feb 13 01:29:48 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)

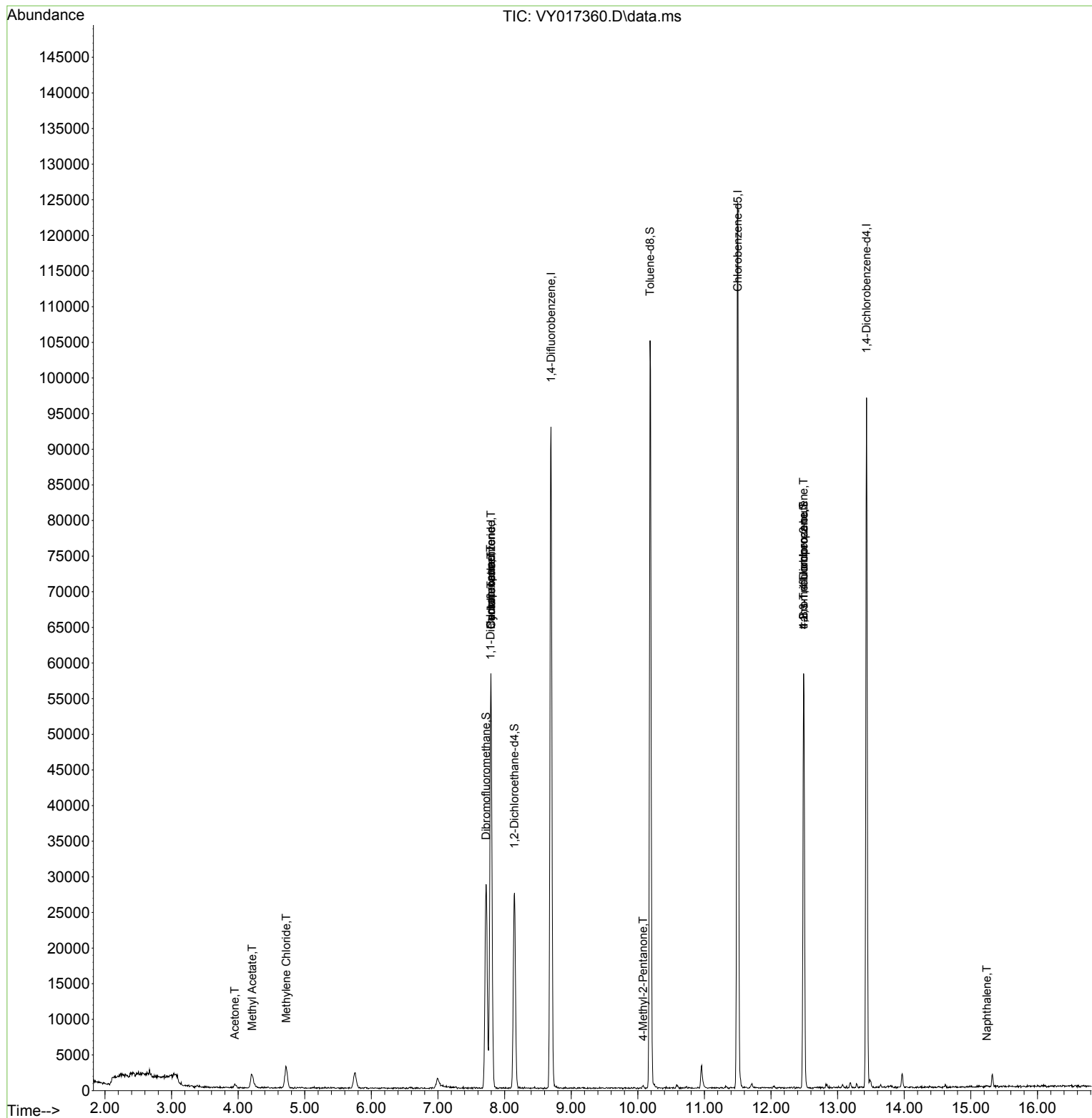
Internal Standards						
1) Pentafluorobenzene	7.795	168	44418	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	80625	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	70400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	23645	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	21956	55.332	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.660%			
35) Dibromofluoromethane	7.722	113	21053	48.362	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.720%			
50) Toluene-d8	10.185	98	69967	44.144	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 88.280%			
62) 4-Bromofluorobenzene	12.489	95	18344	35.331	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 70.660%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	69	Below Cal	#	75
16) Acetone	3.948	43	861	7.383	ug/l	99
18) Methyl Acetate	4.210	43	601	2.310	ug/l #	51
20) Methylene Chloride	4.723	84	2119	1.003	ug/l	94
31) Cyclohexane	7.795	56	1012	1.265	ug/l #	45
36) 1,1-Dichloropropene	7.789	75	3846	5.122	ug/l #	50
38) Carbon Tetrachloride	7.795	117	4494	6.251	ug/l #	16
51) 4-Methyl-2-Pentanone	10.081	43	443	1.340	ug/l #	54
76) 1,2,3-Trichloropropane	12.489	75	9490	43.484	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	9490	90.355	ug/l #	12
95) Naphthalene	15.239	128	276	3.835	ug/l #	69

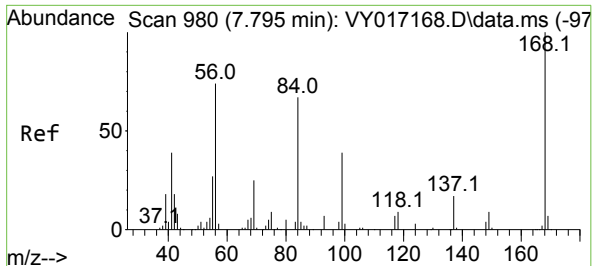
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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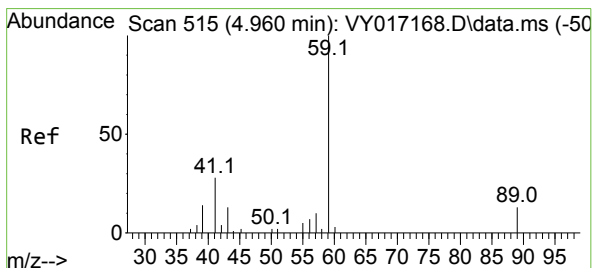
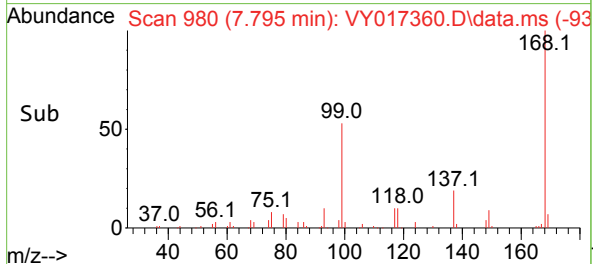
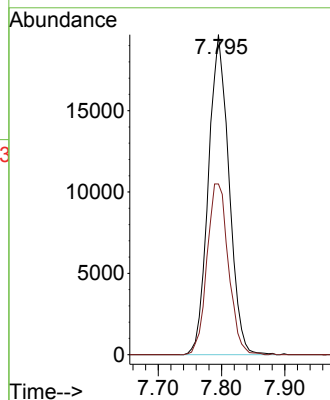
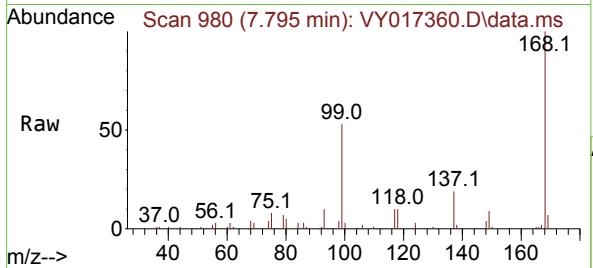




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017360.D
Acq: 12 Feb 2024 17:53

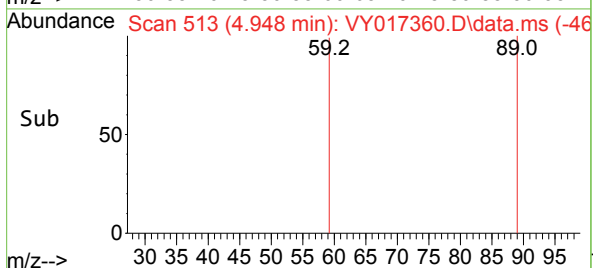
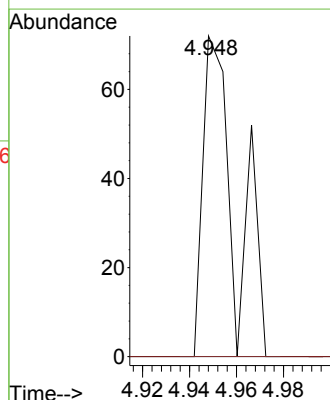
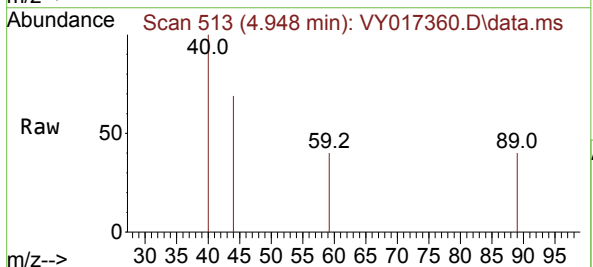
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOCRE

Tgt Ion:168 Resp: 44418
Ion Ratio Lower Upper
168 100
99 53.4 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY017360.D
Acq: 12 Feb 2024 17:53

Tgt Ion: 59 Resp: 69
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 7.383 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY017360.D

Acq: 12 Feb 2024 17:53

Instrument :

MSVOA_Y

ClientSampleId :

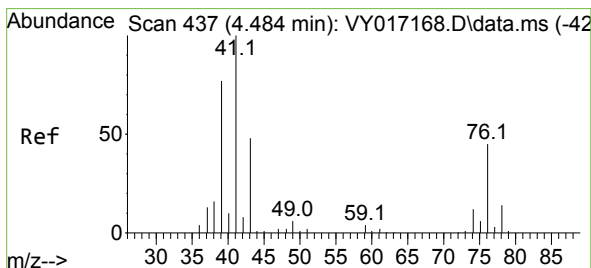
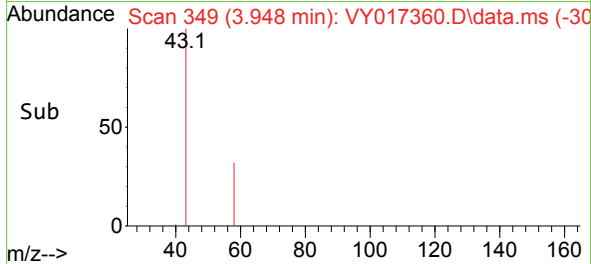
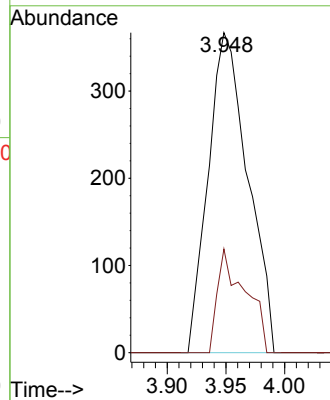
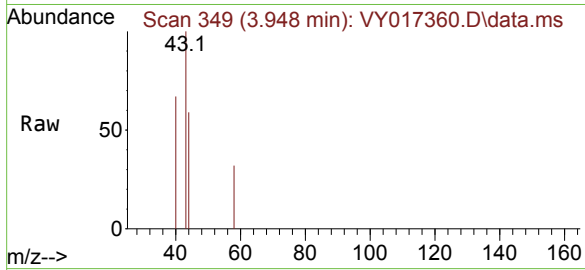
TP-2-VOCRE

Tgt Ion: 43 Resp: 861

Ion Ratio Lower Upper

43 100

58 32.4 26.6 39.8



#18

Methyl Acetate

Concen: 2.310 ug/l

RT: 4.210 min Scan# 392

Delta R.T. -0.274 min

Lab File: VY017360.D

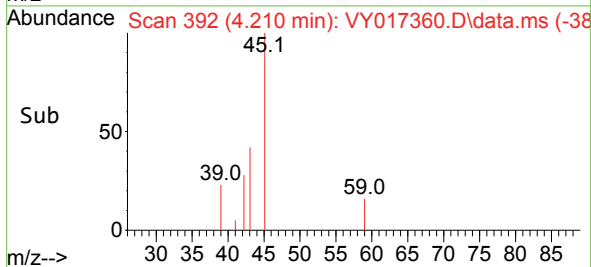
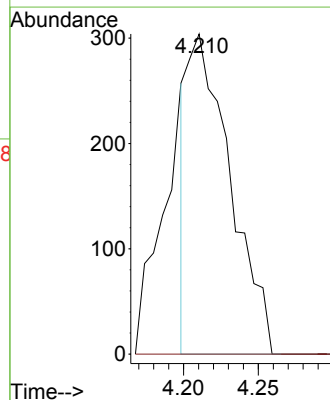
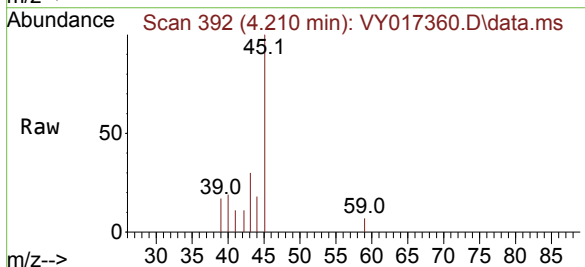
Acq: 12 Feb 2024 17:53

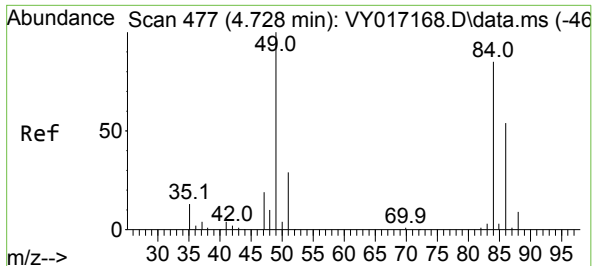
Tgt Ion: 43 Resp: 601

Ion Ratio Lower Upper

43 100

74 0.0 19.8 29.6#





#20

Methylene Chloride

Concen: 1.003 ug/l

RT: 4.723 min Scan# 41

Delta R.T. -0.005 min

Lab File: VY017360.D

Acq: 12 Feb 2024 17:53

Instrument :

MSVOA_Y

ClientSampleId :

TP-2-VOCRE

Tgt Ion: 84 Resp: 2119

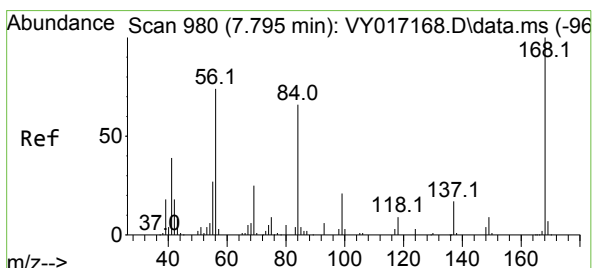
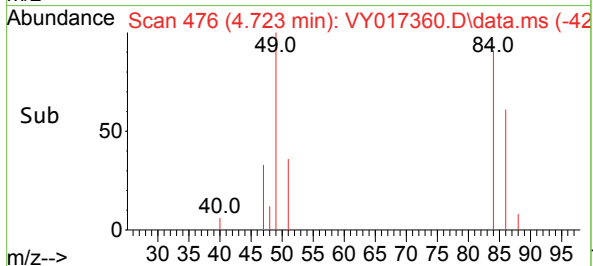
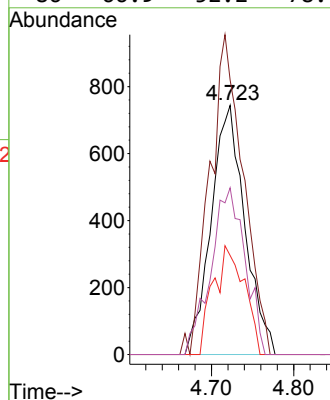
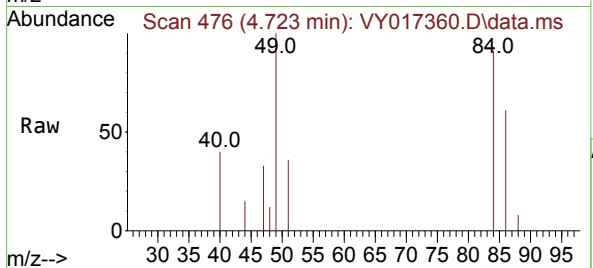
Ion Ratio Lower Upper

84 100

49 110.2 95.2 142.8

51 39.8 29.9 44.9

86 66.9 52.2 78.4



#31

Cyclohexane

Concen: 1.265 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.000 min

Lab File: VY017360.D

Acq: 12 Feb 2024 17:53

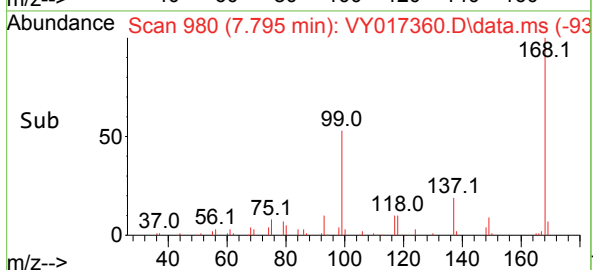
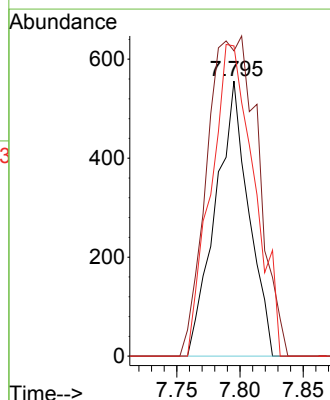
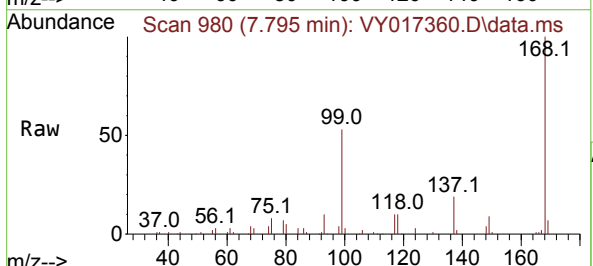
Tgt Ion: 56 Resp: 1012

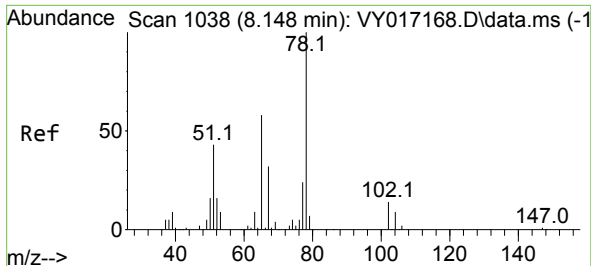
Ion Ratio Lower Upper

56 100

69 111.0 27.0 40.6#

84 112.8 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 55.332 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY017360.D

Acq: 12 Feb 2024 17:53

Instrument :

MSVOA_Y

ClientSampleId :

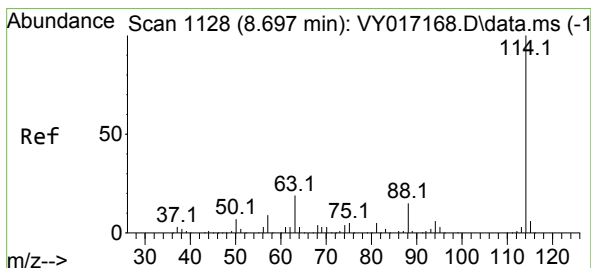
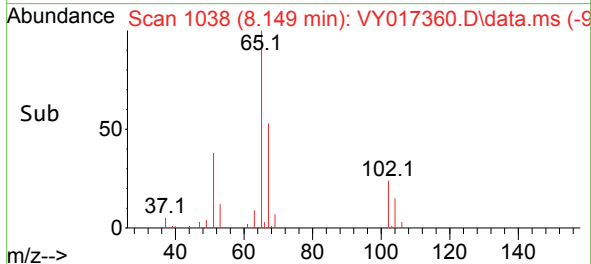
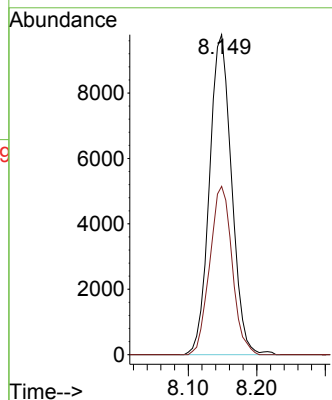
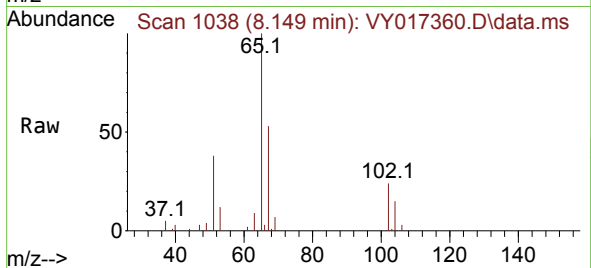
TP-2-VOCRE

Tgt Ion: 65 Resp: 21956

Ion Ratio Lower Upper

65 100

67 53.1 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: VY017360.D

Acq: 12 Feb 2024 17:53

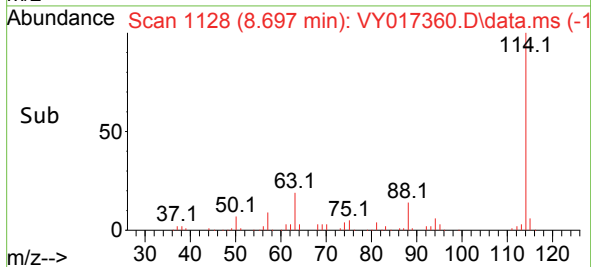
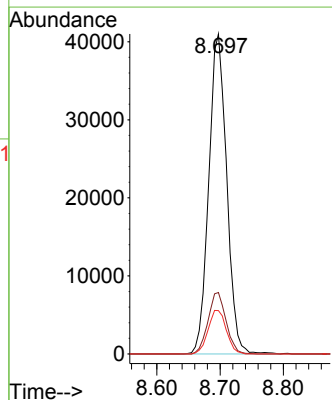
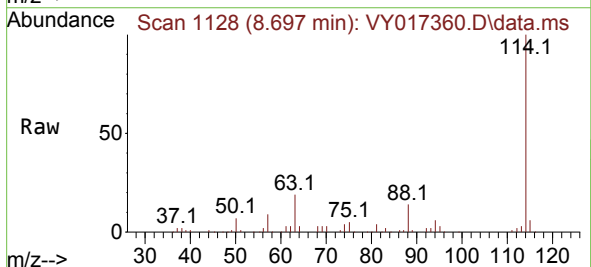
Tgt Ion: 114 Resp: 80625

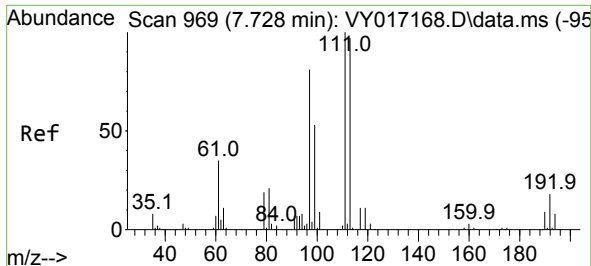
Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.4

88 13.5 0.0 29.0

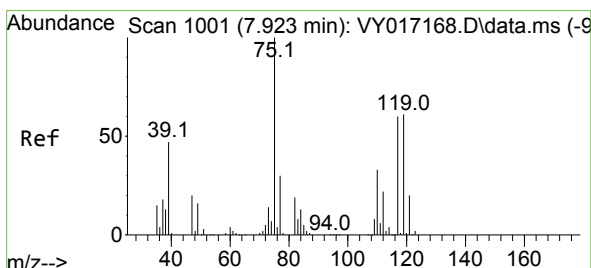
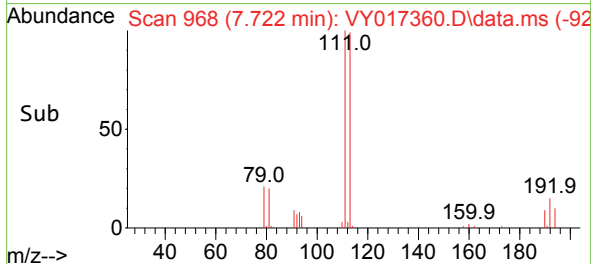
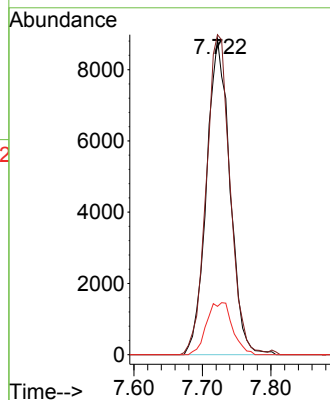
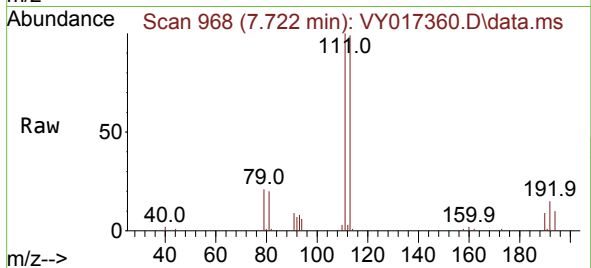




#35
Dibromofluoromethane
Concen: 48.362 ug/l
RT: 7.722 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY017360.D
Acq: 12 Feb 2024 17:53

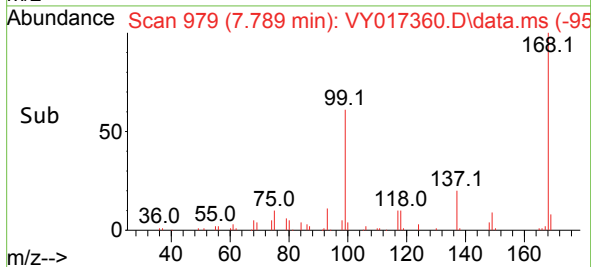
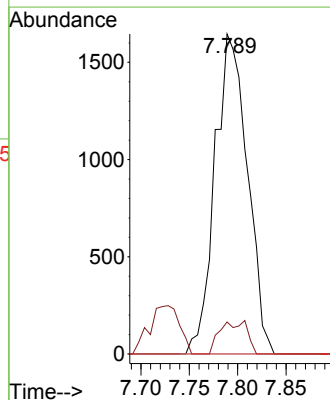
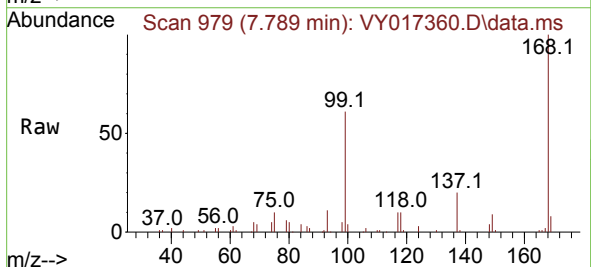
Instrument :
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TP-2-VOCRE

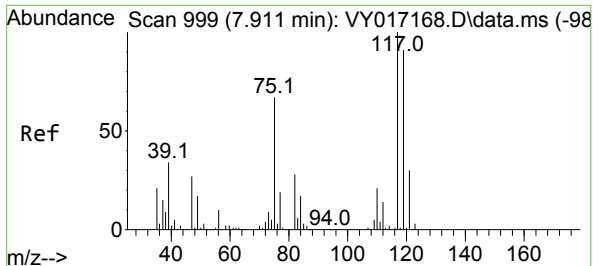
Tgt Ion:113 Resp: 21053
Ion Ratio Lower Upper
113 100
111 102.8 83.8 125.6
192 18.2 14.5 21.7



#36
1,1-Dichloropropene
Concen: 5.122 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY017360.D
Acq: 12 Feb 2024 17:53

Tgt Ion: 75 Resp: 3846
Ion Ratio Lower Upper
75 100
110 8.6 17.4 52.3#
77 0.0 24.7 37.1#

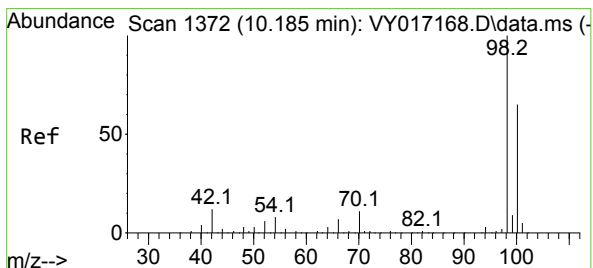
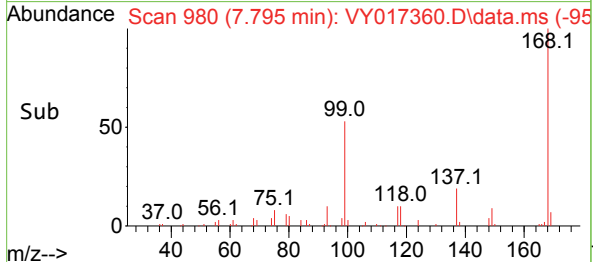
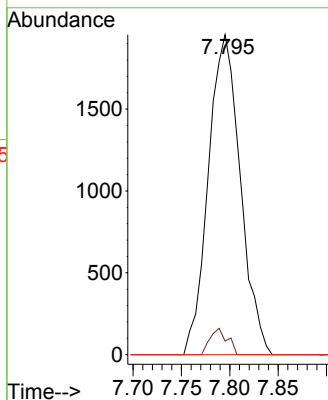
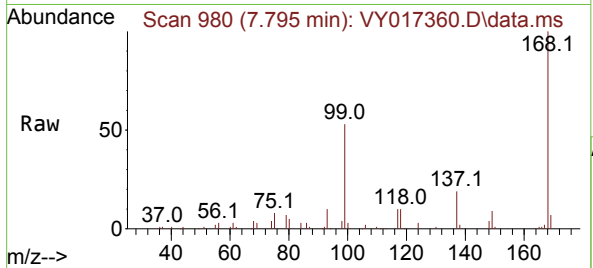




#38
Carbon Tetrachloride
Concen: 6.251 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY017360.D
Acq: 12 Feb 2024 17:53

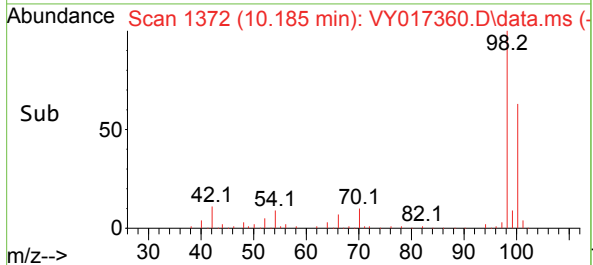
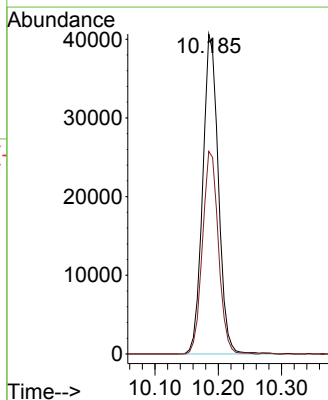
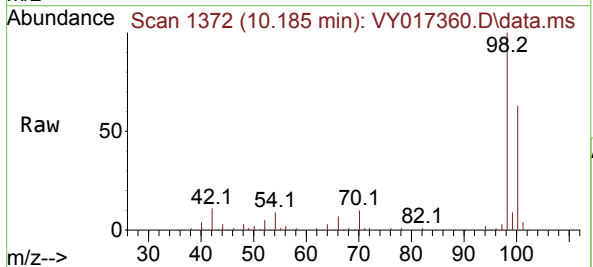
Instrument :
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TP-2-VOCRE

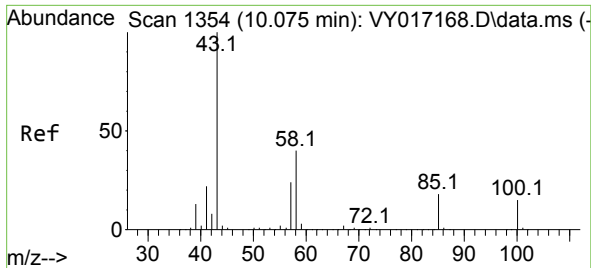
Tgt Ion:117 Resp: 4494
Ion Ratio Lower Upper
117 100
119 4.2 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 44.144 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY017360.D
Acq: 12 Feb 2024 17:53

Tgt Ion: 98 Resp: 69967
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5

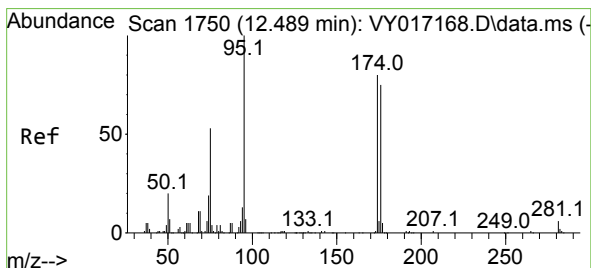
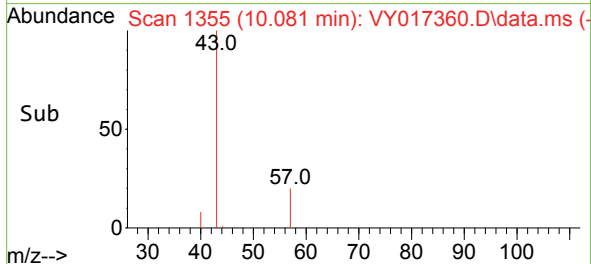
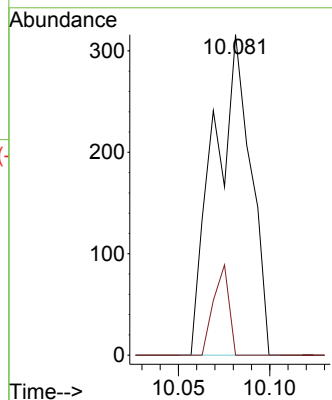
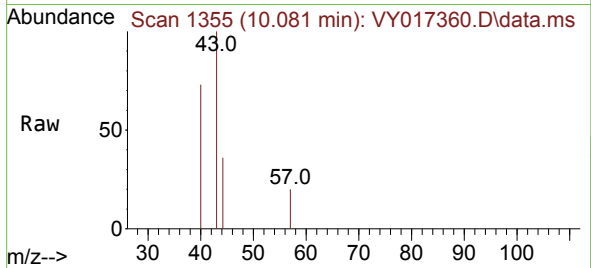




#51
4-Methyl-2-Pentanone
Concen: 1.340 ug/l
RT: 10.081 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY017360.D
Acq: 12 Feb 2024 17:53

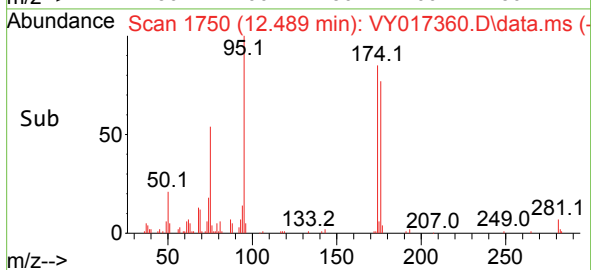
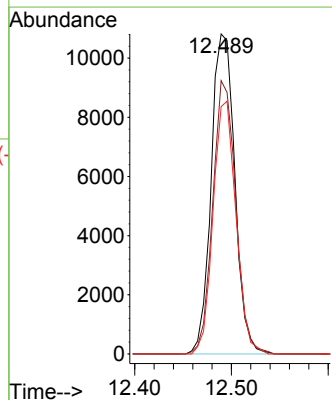
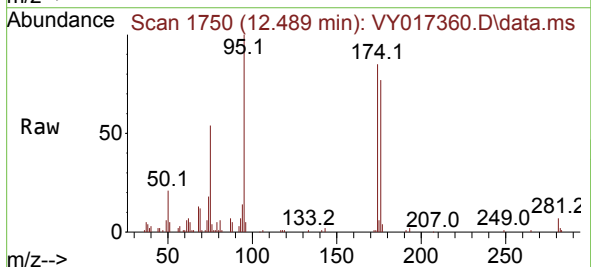
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOCRE

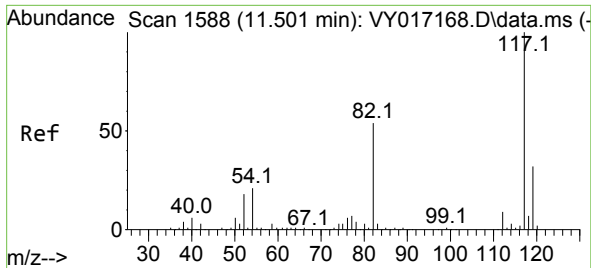
Tgt Ion: 43 Resp: 443
Ion Ratio Lower Upper
43 100
58 11.7 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 35.331 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY017360.D
Acq: 12 Feb 2024 17:53

Tgt Ion: 95 Resp: 18344
Ion Ratio Lower Upper
95 100
174 83.1 0.0 160.0
176 76.4 0.0 151.8

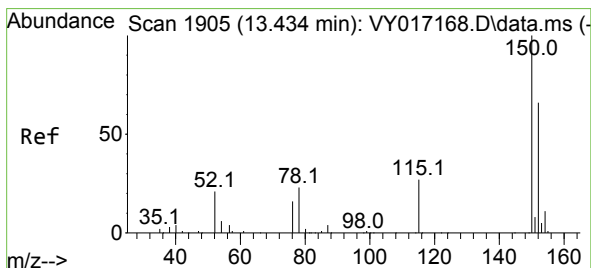
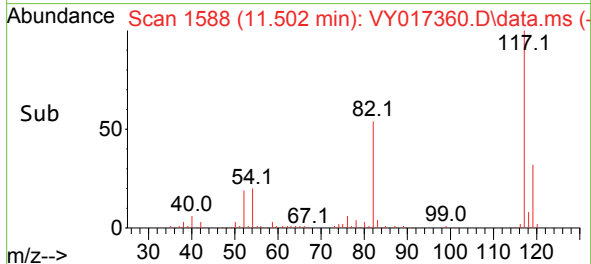
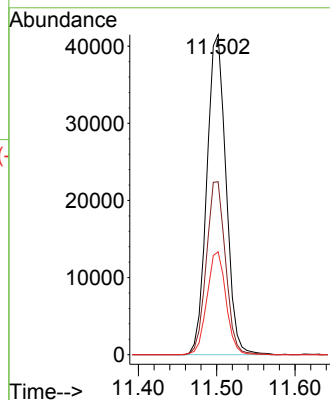
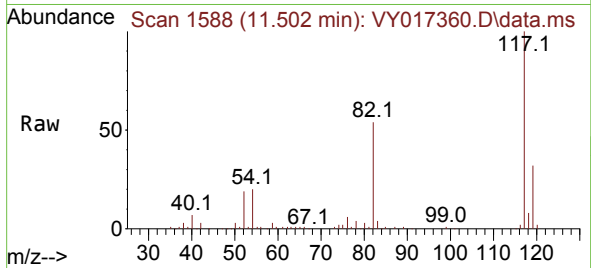




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017360.D
Acq: 12 Feb 2024 17:53

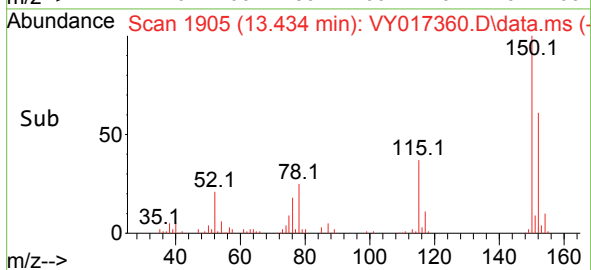
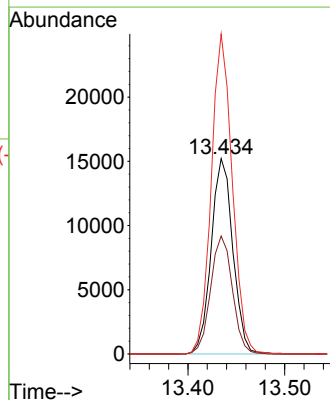
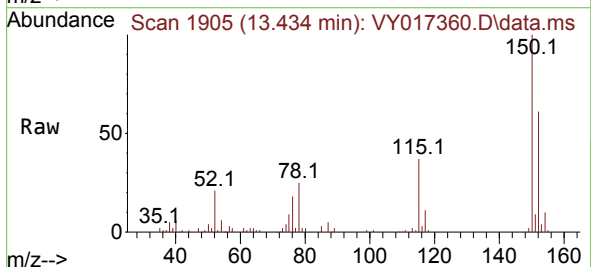
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOCRE

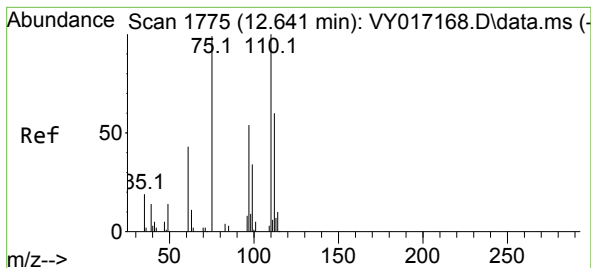
Tgt Ion:117 Resp: 70400
Ion Ratio Lower Upper
117 100
82 54.1 43.8 65.8
119 32.1 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VY017360.D
Acq: 12 Feb 2024 17:53

Tgt Ion:152 Resp: 23645
Ion Ratio Lower Upper
152 100
115 60.6 30.0 90.0
150 158.8 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 43.484 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY017360.D

Acq: 12 Feb 2024 17:53

Instrument :

MSVOA_Y

ClientSampleId :

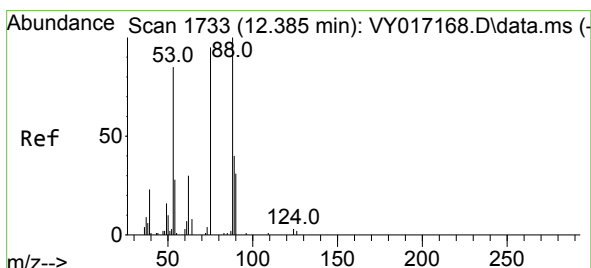
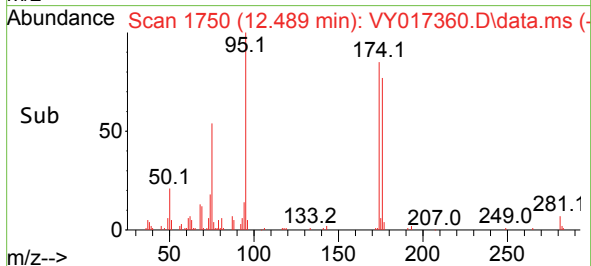
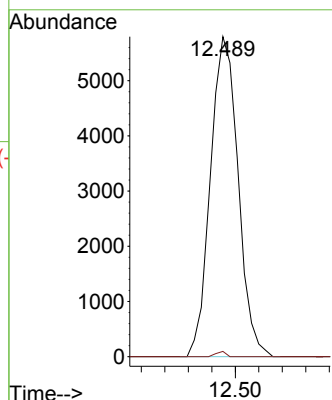
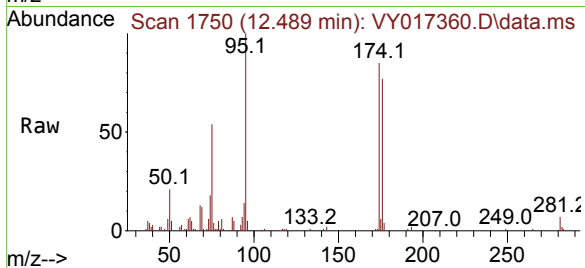
TP-2-VOCRE

Tgt Ion: 75 Resp: 9490

Ion Ratio Lower Upper

75 100

77 0.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.355 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.104 min

Lab File: VY017360.D

Acq: 12 Feb 2024 17:53

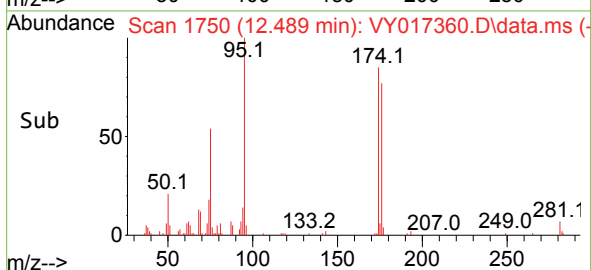
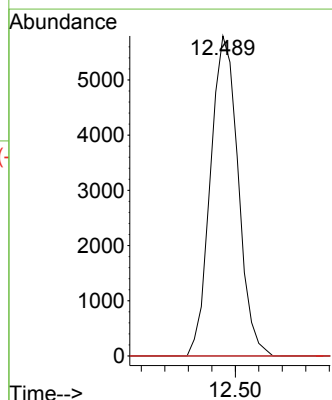
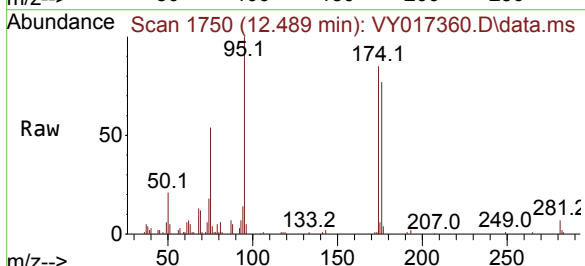
Tgt Ion: 75 Resp: 9490

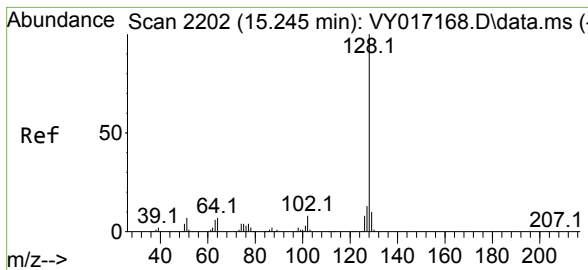
Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

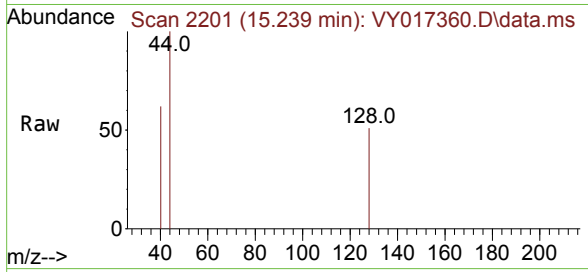
89 0.0 36.5 54.7#





#95
 Naphthalene
 Concen: 3.835 ug/l
 RT: 15.239 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY017360.D
 Acq: 12 Feb 2024 17:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2-VOCRE



Tgt Ion:128 Resp: 276
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.4#
 129 0.0 8.6 12.8#

