

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020724\
 Data File : VY017293.D
 Acq On : 07 Feb 2024 16:48
 Operator : SY/MD
 Sample : P1378-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: Feb 08 01:44:59 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)

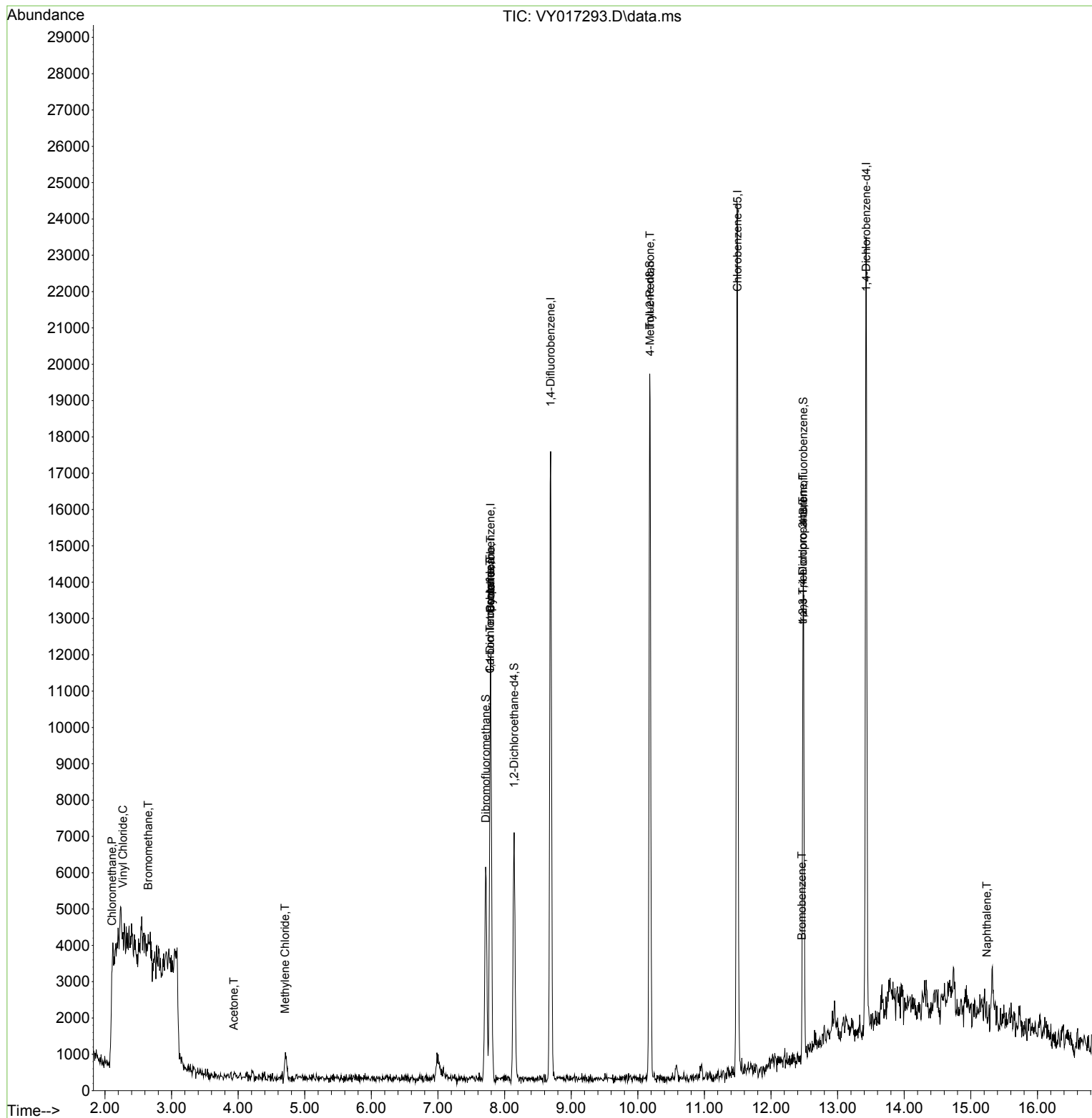
Internal Standards						
1) Pentafluorobenzene	7.789	168	8041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	13980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	13317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	5200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	5062	70.469	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 140.940%			
35) Dibromofluoromethane	7.715	113	4206	55.721	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.440%			
50) Toluene-d8	10.178	98	12662	46.072	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.140%			
62) 4-Bromofluorobenzene	12.483	95	4439	49.307	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.620%			
Target Compounds						Qvalue
3) Chloromethane	2.107	50	159	1.452	ug/l #	41
4) Vinyl Chloride	2.271	62	220	1.649	ug/l #	43
5) Bromomethane	2.649	94	211	2.281	ug/l #	69
16) Acetone	3.936	43	57	2.700	ug/l #	41
20) Methylene Chloride	4.704	84	444	1.754	ug/l #	84
31) Cyclohexane	7.789	56	202	1.395	ug/l #	44
36) 1,1-Dichloropropene	7.783	75	882	6.774	ug/l #	42
38) Carbon Tetrachloride	7.783	117	969	7.773	ug/l #	12
51) 4-Methyl-2-Pentanone	10.185	43	130	2.269	ug/l #	59
76) 1,2,3-Trichloropropane	12.477	75	2241	46.692	ug/l #	100
77) Bromobenzene	12.465	156	90	1.062	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	2241	97.020	ug/l #	12
95) Naphthalene	15.239	128	304	5.485	ug/l #	79

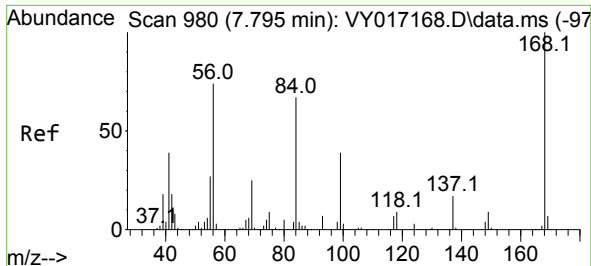
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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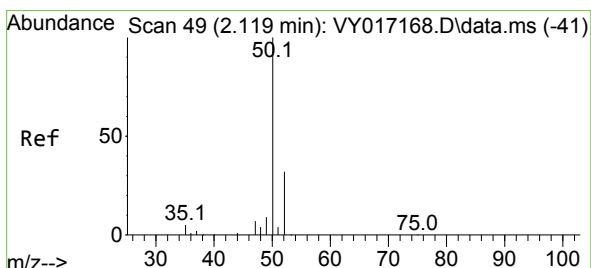
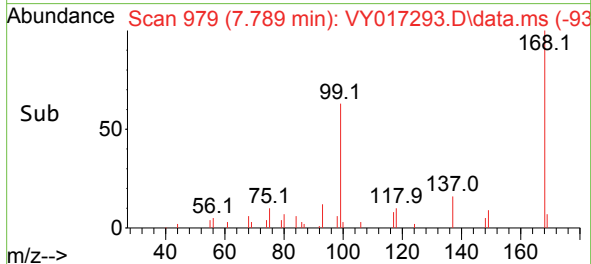
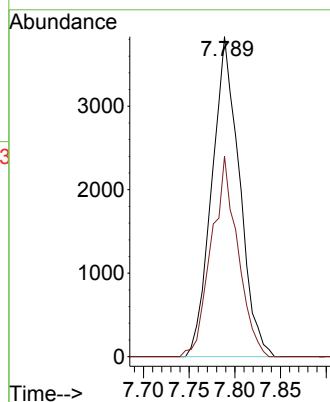
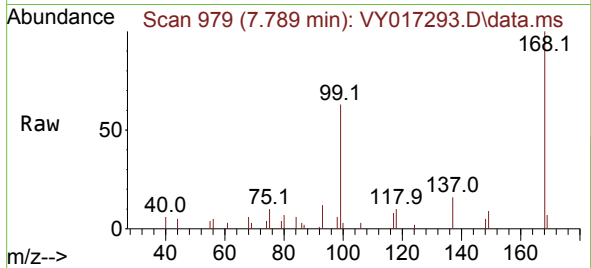




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017293.D
Acq: 07 Feb 2024 16:48

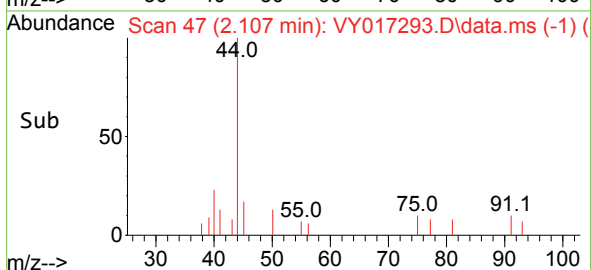
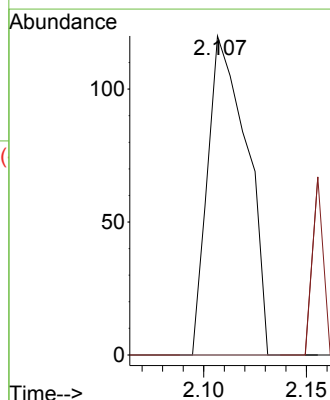
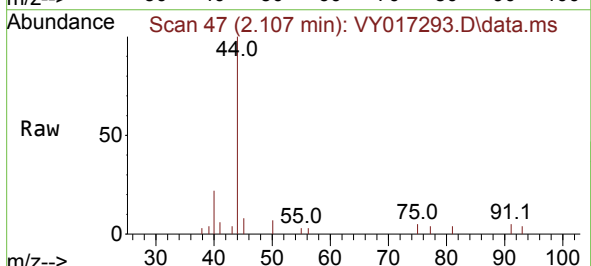
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

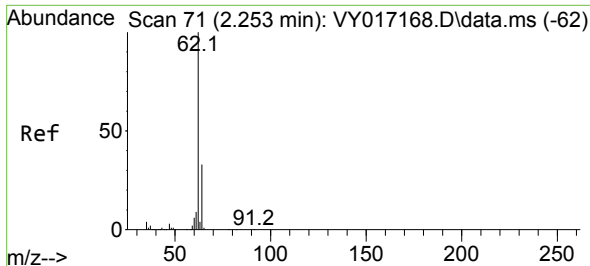
Tgt Ion:168 Resp: 8041
Ion Ratio Lower Upper
168 100
99 62.6 44.2 66.4



#3
Chloromethane
Concen: 1.452 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.012 min
Lab File: VY017293.D
Acq: 07 Feb 2024 16:48

Tgt Ion: 50 Resp: 159
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

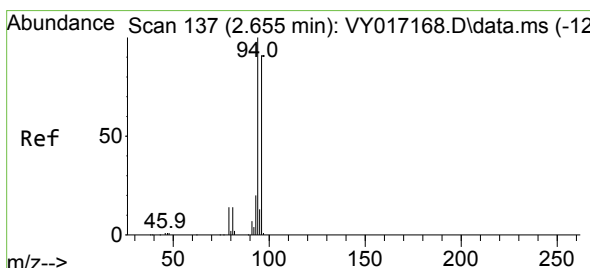
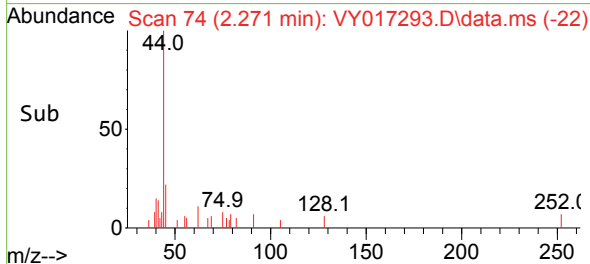
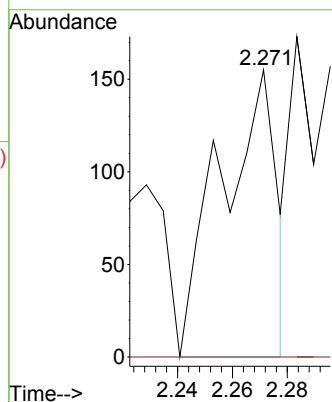
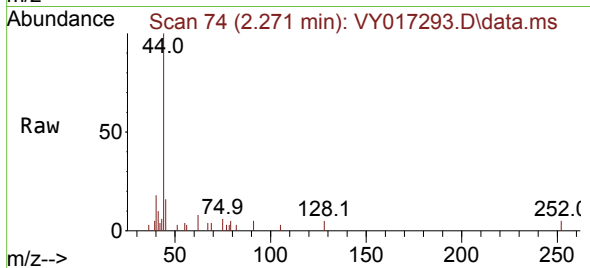




#4
 Vinyl Chloride
 Concen: 1.649 ug/l
 RT: 2.271 min Scan# 74
 Delta R.T. 0.018 min
 Lab File: VY017293.D
 Acq: 07 Feb 2024 16:48

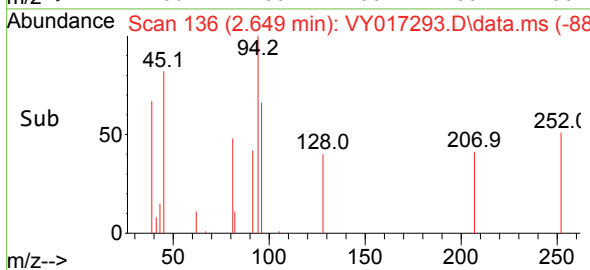
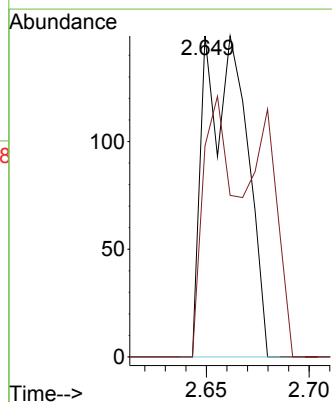
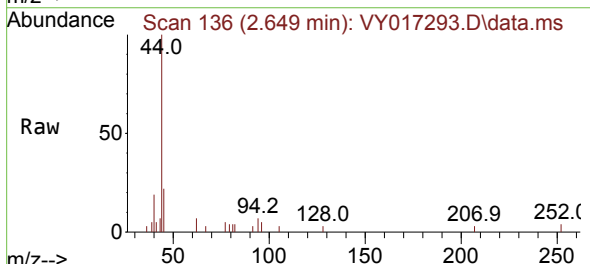
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

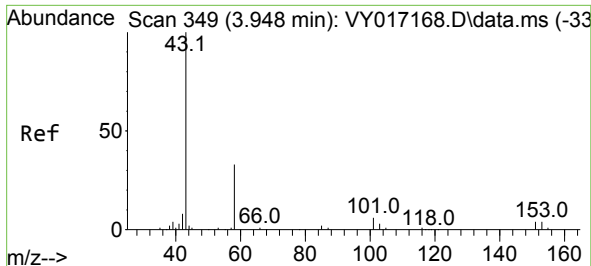
Tgt Ion: 62 Resp: 220
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.7 38.5#



#5
 Bromomethane
 Concen: 2.281 ug/l
 RT: 2.649 min Scan# 136
 Delta R.T. -0.006 min
 Lab File: VY017293.D
 Acq: 07 Feb 2024 16:48

Tgt Ion: 94 Resp: 211
 Ion Ratio Lower Upper
 94 100
 96 65.8 77.3 115.9#





#16

Acetone

Concen: 2.700 ug/l

RT: 3.936 min Scan# 34

Delta R.T. -0.012 min

Lab File: VY017293.D

Acq: 07 Feb 2024 16:48

Instrument :

MSVOA_Y

ClientSampleId :

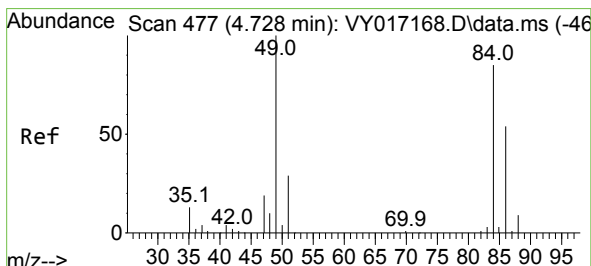
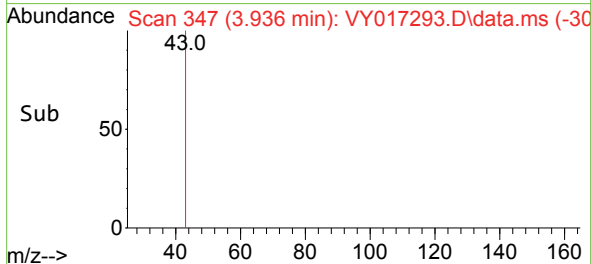
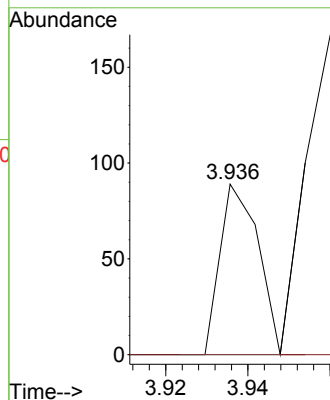
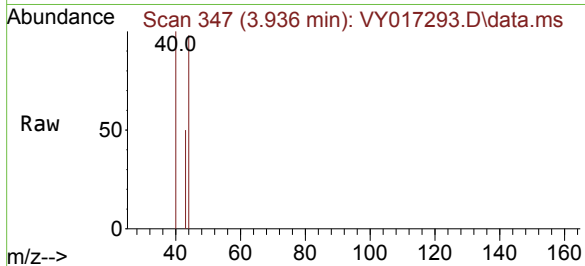
TP-4

Tgt Ion: 43 Resp: 57

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#20

Methylene Chloride

Concen: 1.754 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.024 min

Lab File: VY017293.D

Acq: 07 Feb 2024 16:48

Tgt Ion: 84 Resp: 444

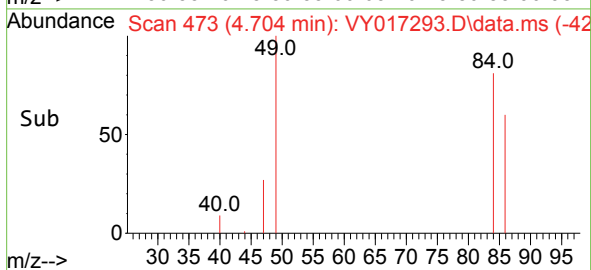
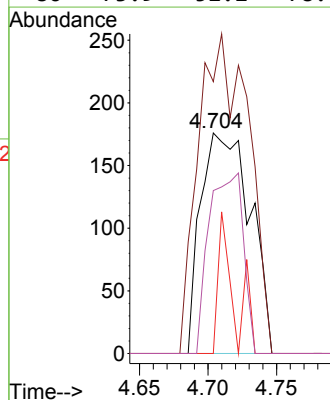
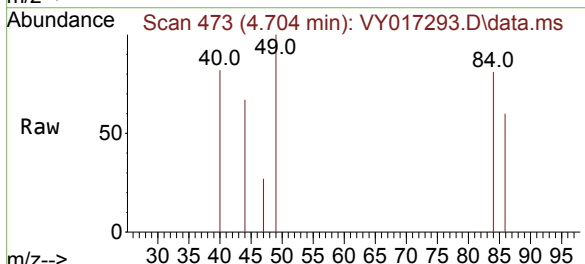
Ion Ratio Lower Upper

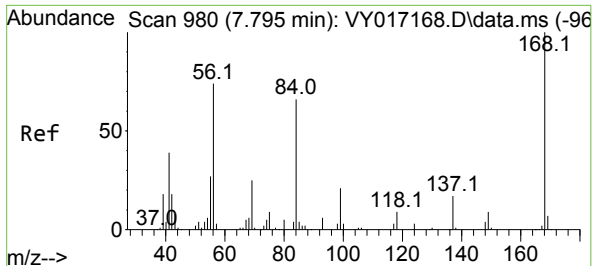
84 100

49 123.3 95.2 142.8

51 0.0 29.9 44.9#

86 73.9 52.2 78.4

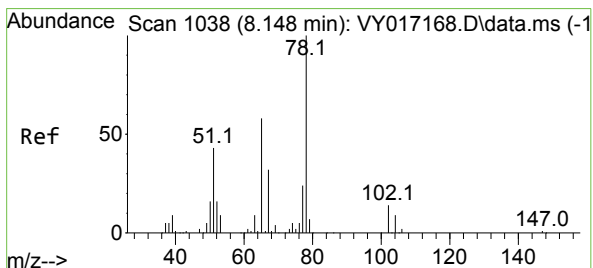
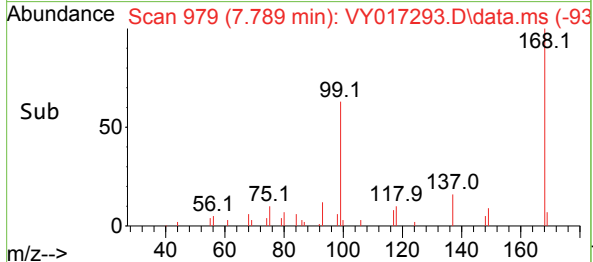
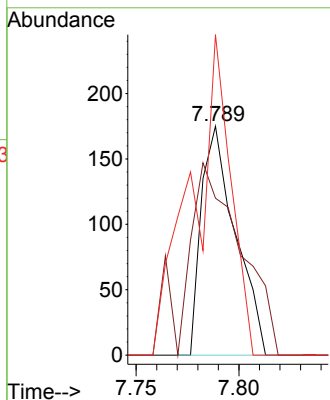
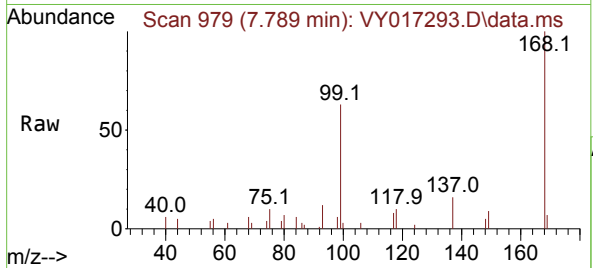




#31
Cyclohexane
Concen: 1.395 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017293.D
Acq: 07 Feb 2024 16:48

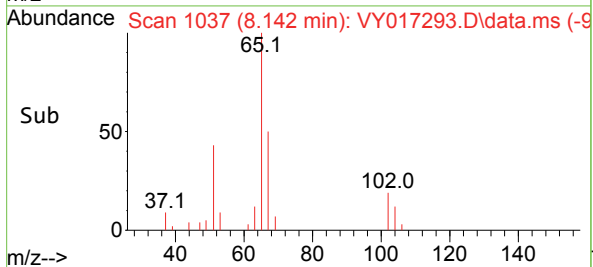
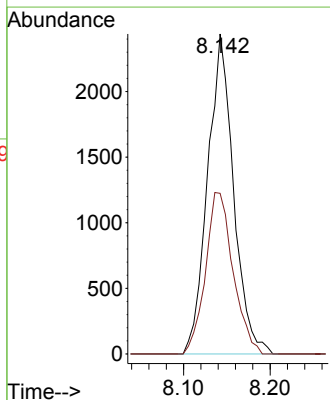
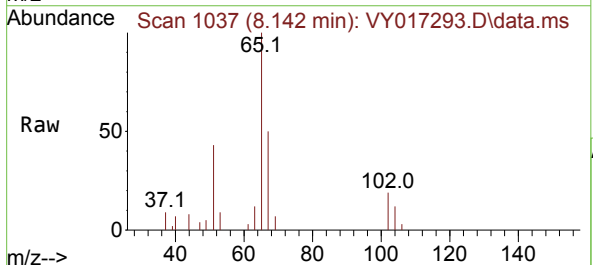
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

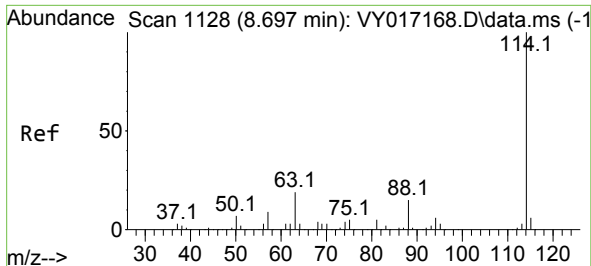
Tgt Ion: 56 Resp: 202
Ion Ratio Lower Upper
56 100
69 68.6 27.0 40.6#
84 140.0 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 70.469 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY017293.D
Acq: 07 Feb 2024 16:48

Tgt Ion: 65 Resp: 5062
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY017293.D

Acq: 07 Feb 2024 16:48

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

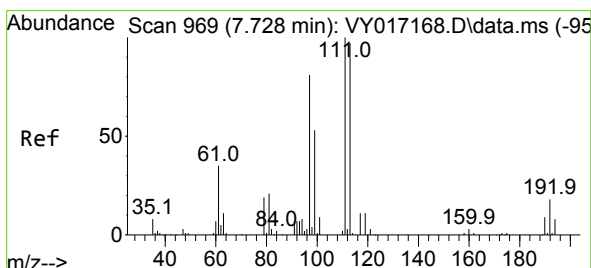
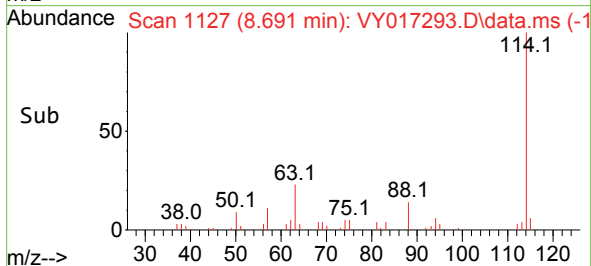
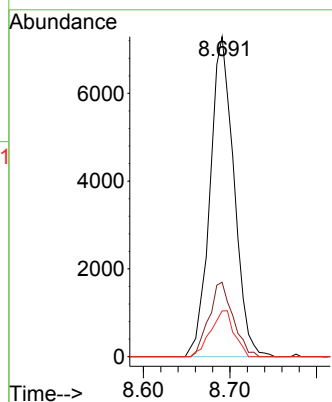
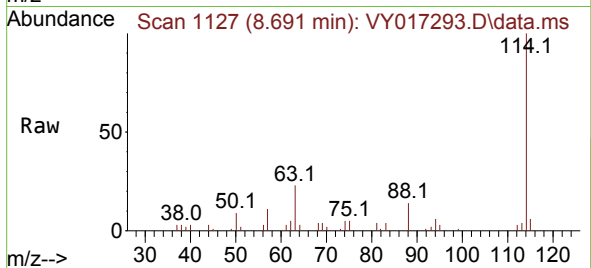
Tgt Ion:114 Resp: 13980

Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.4

88 14.3 0.0 29.0



#35

Dibromofluoromethane

Concen: 55.721 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.012 min

Lab File: VY017293.D

Acq: 07 Feb 2024 16:48

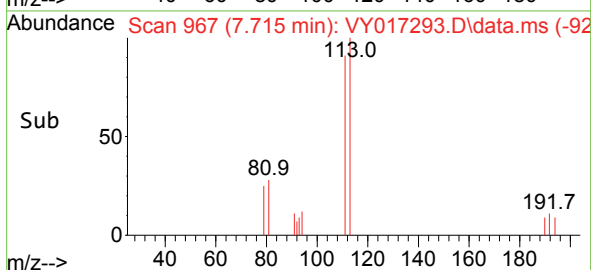
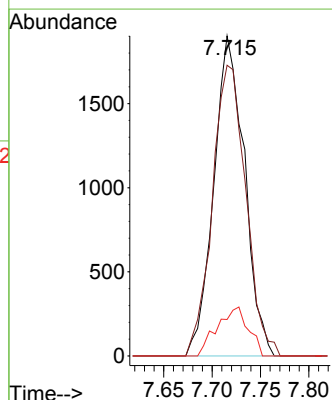
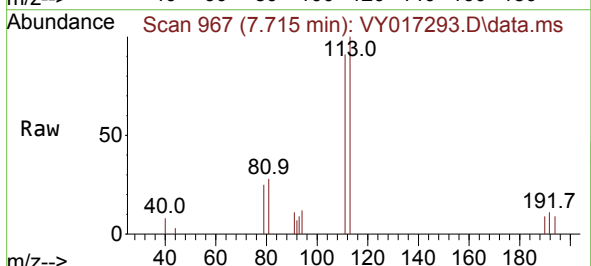
Tgt Ion:113 Resp: 4206

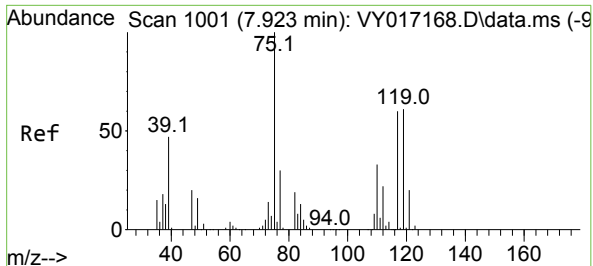
Ion Ratio Lower Upper

113 100

111 98.7 83.8 125.6

192 15.5 14.5 21.7





#36

1,1-Dichloropropene

Concen: 6.774 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY017293.D

Acq: 07 Feb 2024 16:48

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

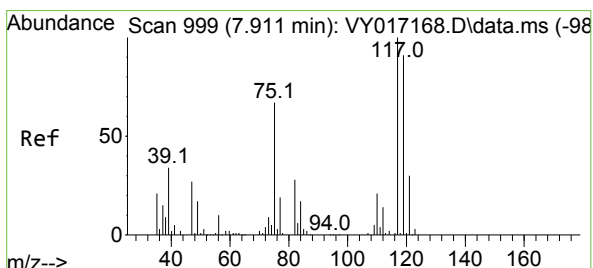
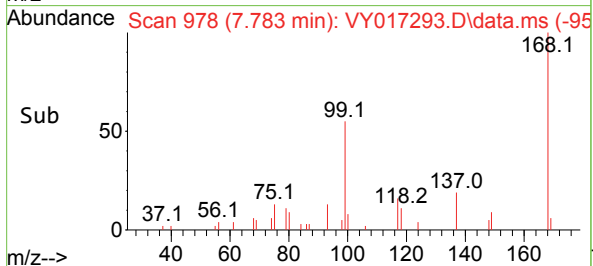
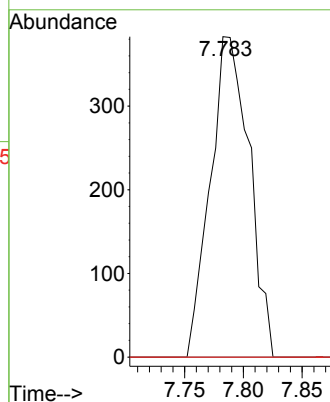
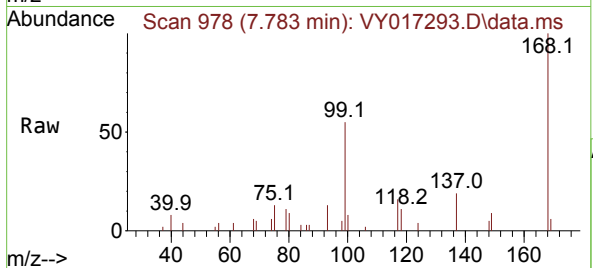
Tgt Ion: 75 Resp: 882

Ion Ratio Lower Upper

75 100

110 0.0 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 7.773 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.128 min

Lab File: VY017293.D

Acq: 07 Feb 2024 16:48

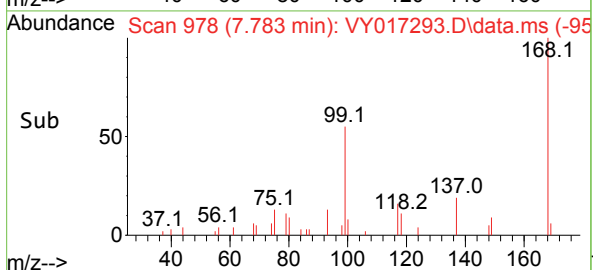
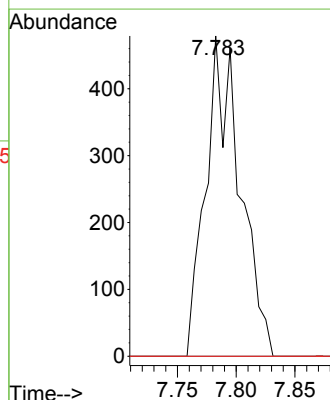
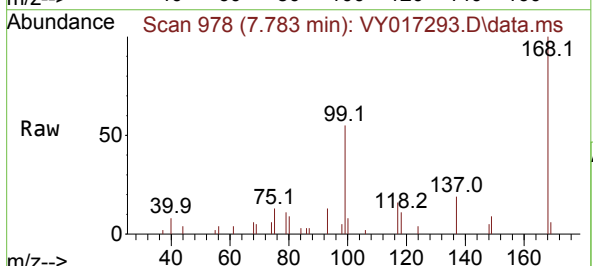
Tgt Ion: 117 Resp: 969

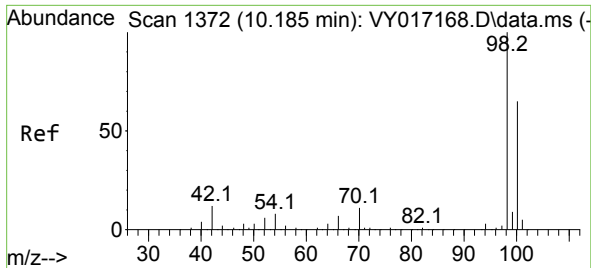
Ion Ratio Lower Upper

117 100

119 0.0 76.0 114.0#

121 0.0 24.2 36.2#

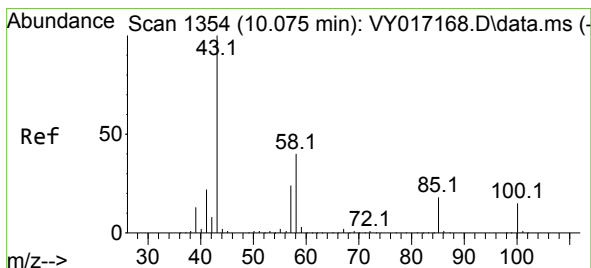
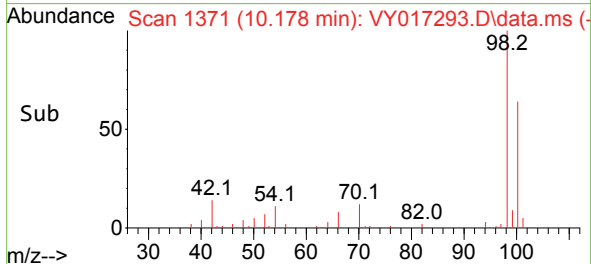
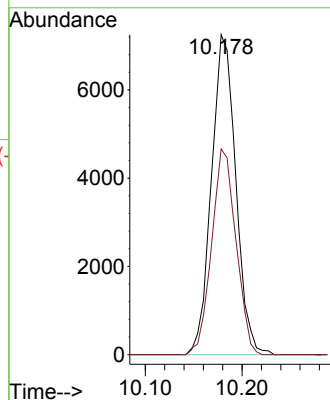
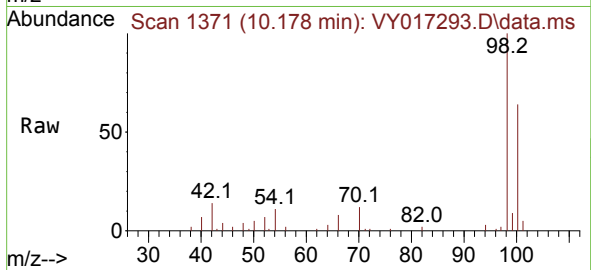




#50
Toluene-d8
Concen: 46.072 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY017293.D
Acq: 07 Feb 2024 16:48

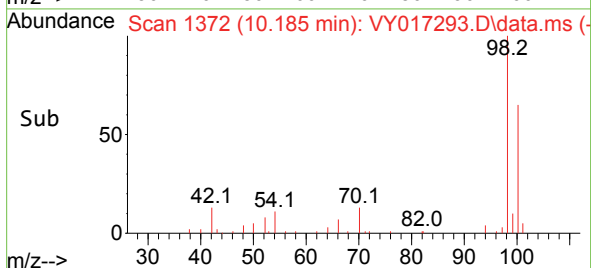
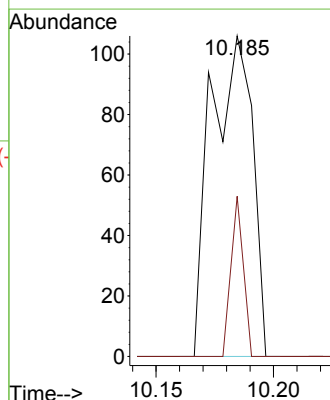
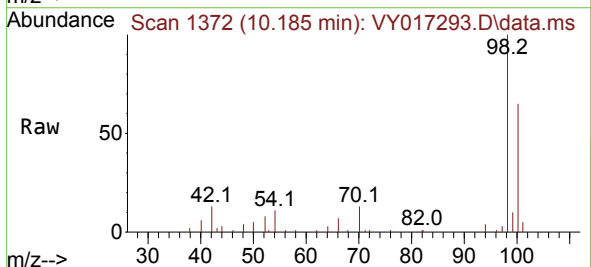
Instrument :
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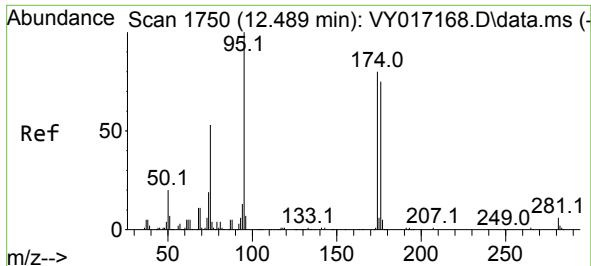
Tgt Ion: 98 Resp: 12662
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 2.269 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.110 min
Lab File: VY017293.D
Acq: 07 Feb 2024 16:48

Tgt Ion: 43 Resp: 130
Ion Ratio Lower Upper
43 100
58 14.6 32.2 48.2#

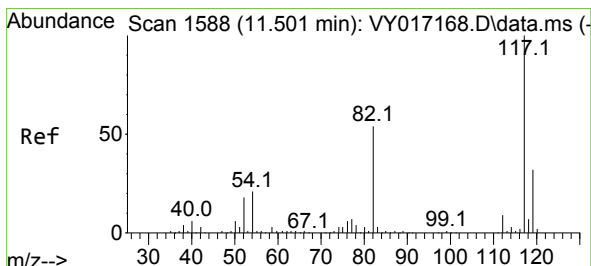
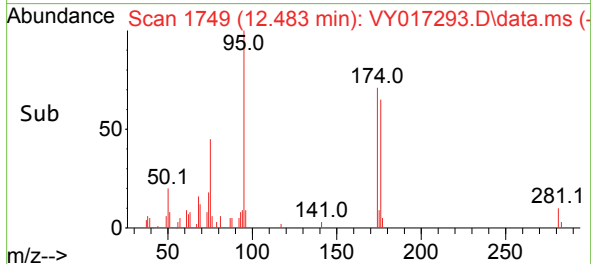
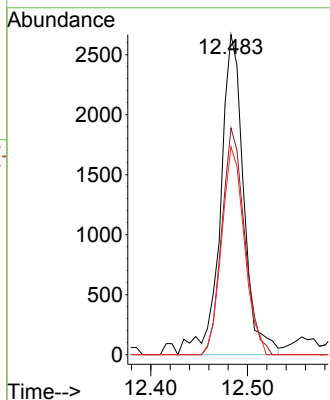
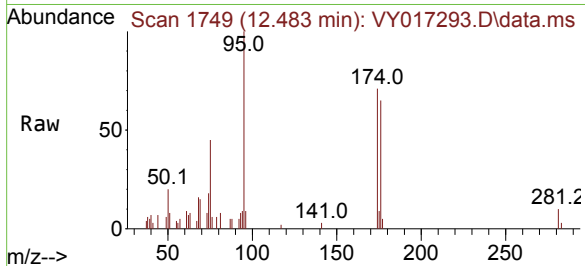




#62
4-Bromofluorobenzene
Concen: 49.307 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY017293.D
Acq: 07 Feb 2024 16:48

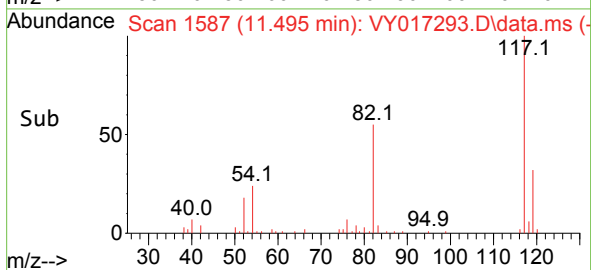
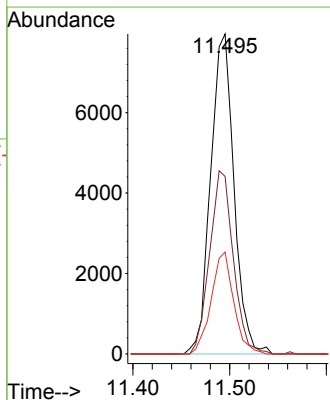
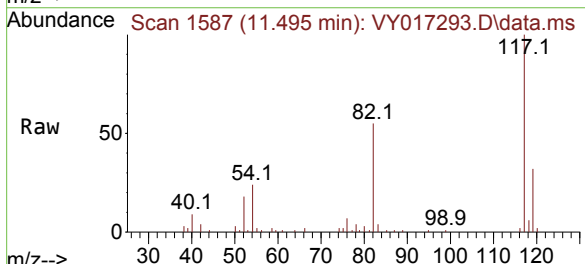
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

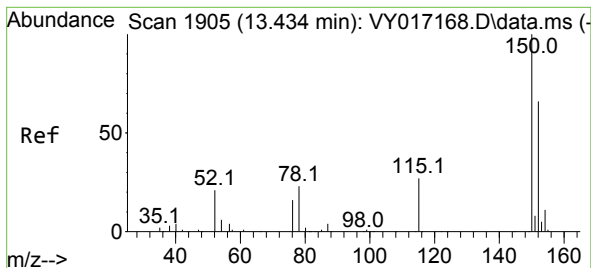
Tgt Ion:	95	Resp:	4439
Ion	Ratio	Lower	Upper
95	100		
174	69.3	0.0	160.0
176	63.6	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY017293.D
Acq: 07 Feb 2024 16:48

Tgt Ion:	117	Resp:	13317
Ion	Ratio	Lower	Upper
117	100		
82	55.5	43.8	65.8
119	31.9	26.5	39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1905

Delta R.T. -0.006 min

Lab File: VY017293.D

Acq: 07 Feb 2024 16:48

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

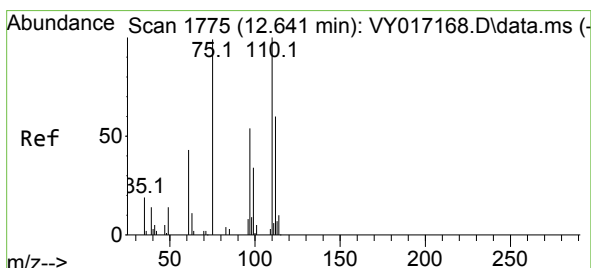
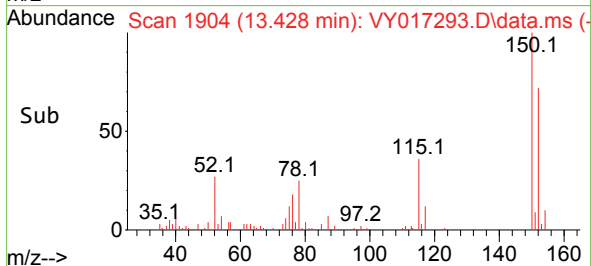
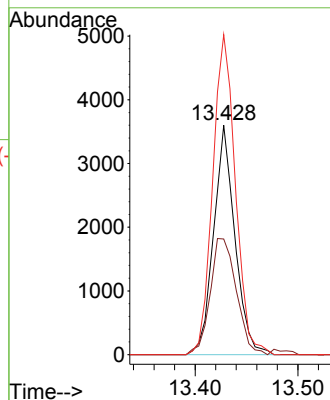
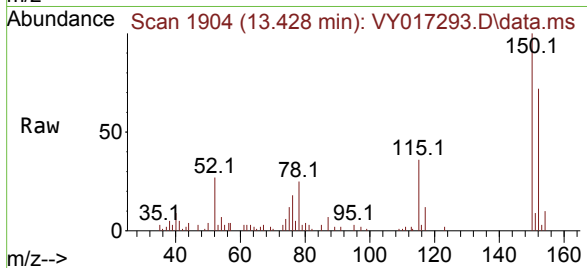
Tgt Ion:152 Resp: 5200

Ion Ratio Lower Upper

152 100

115 61.9 30.0 90.0

150 147.8 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 46.692 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.165 min

Lab File: VY017293.D

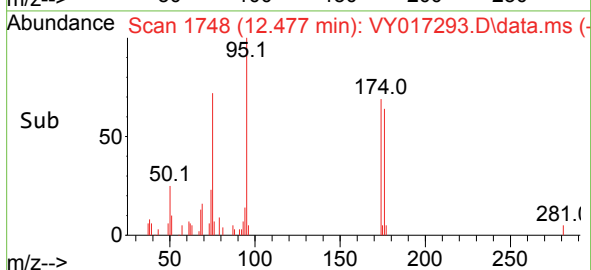
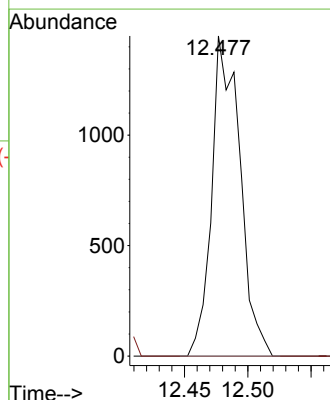
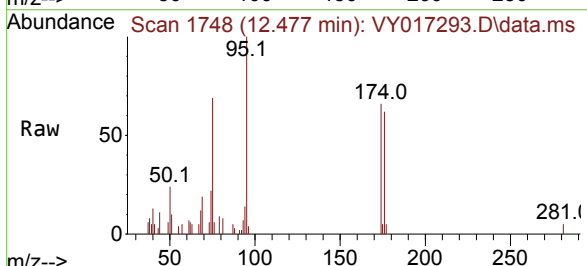
Acq: 07 Feb 2024 16:48

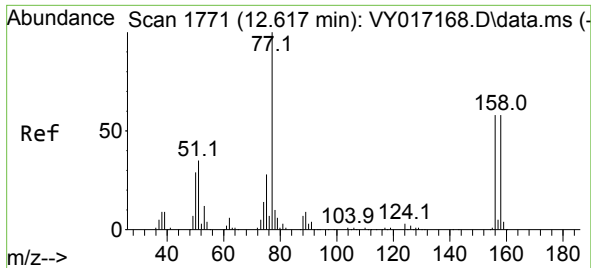
Tgt Ion: 75 Resp: 2241

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

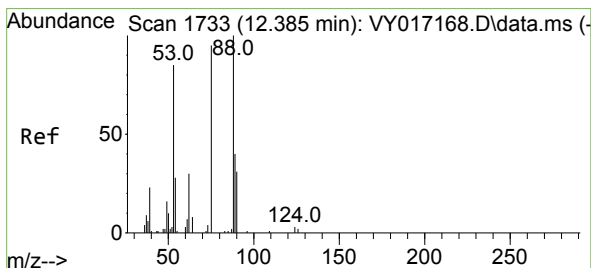
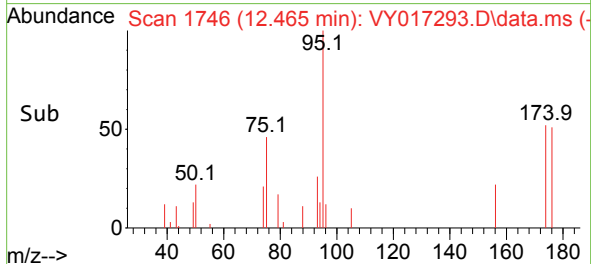
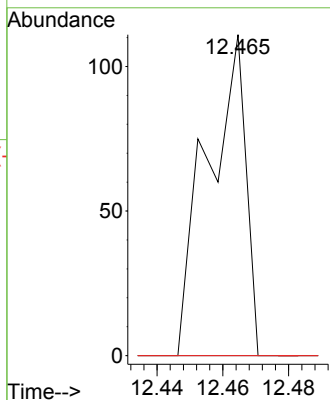
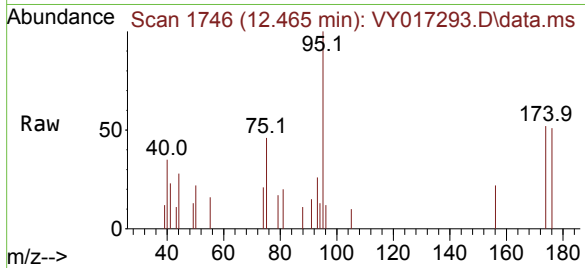




#77
Bromobenzene
Concen: 1.062 ug/l
RT: 12.465 min Scan# 1746
Delta R.T. -0.152 min
Lab File: VY017293.D
Acq: 07 Feb 2024 16:48

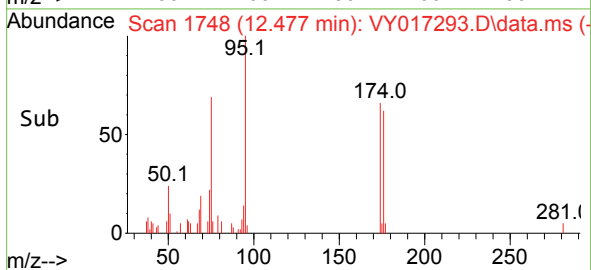
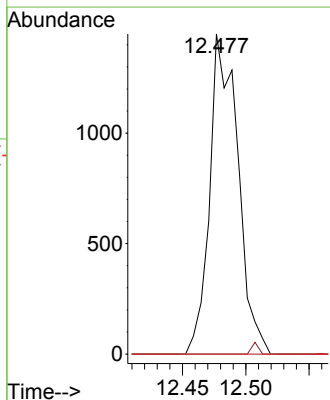
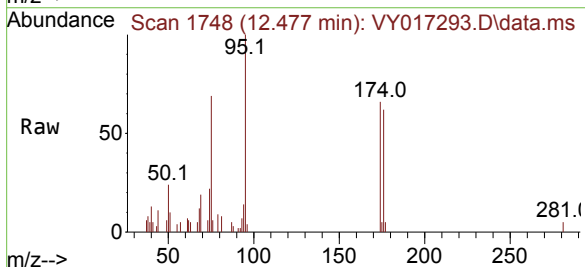
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

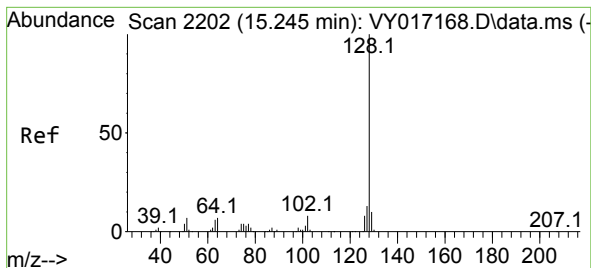
Tgt Ion:156 Resp: 90
Ion Ratio Lower Upper
156 100
77 0.0 97.3 291.8#
158 0.0 48.4 145.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.020 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.091 min
Lab File: VY017293.D
Acq: 07 Feb 2024 16:48

Tgt Ion: 75 Resp: 2241
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#





#95

Naphthalene

Concen: 5.485 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY017293.D

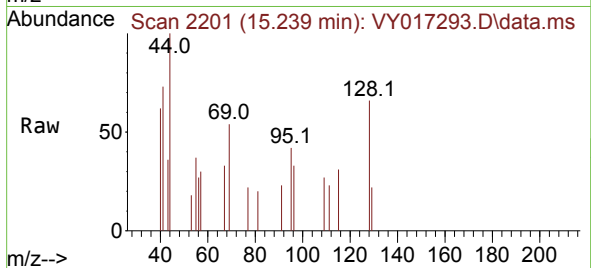
Acq: 07 Feb 2024 16:48

Instrument :

MSVOA_Y

ClientSampleId :

TP-4



Tgt Ion:128 Resp: 304

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 8.2 8.6 12.8#

