

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020224\
 Data File : VY017212.D
 Acq On : 03 Feb 2024 03:42
 Operator : SY/MD
 Sample : P1345-02
 Misc : 4.43g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TT-278-IDWSO-20240201-2

Quant Time: Feb 03 04:30:59 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)

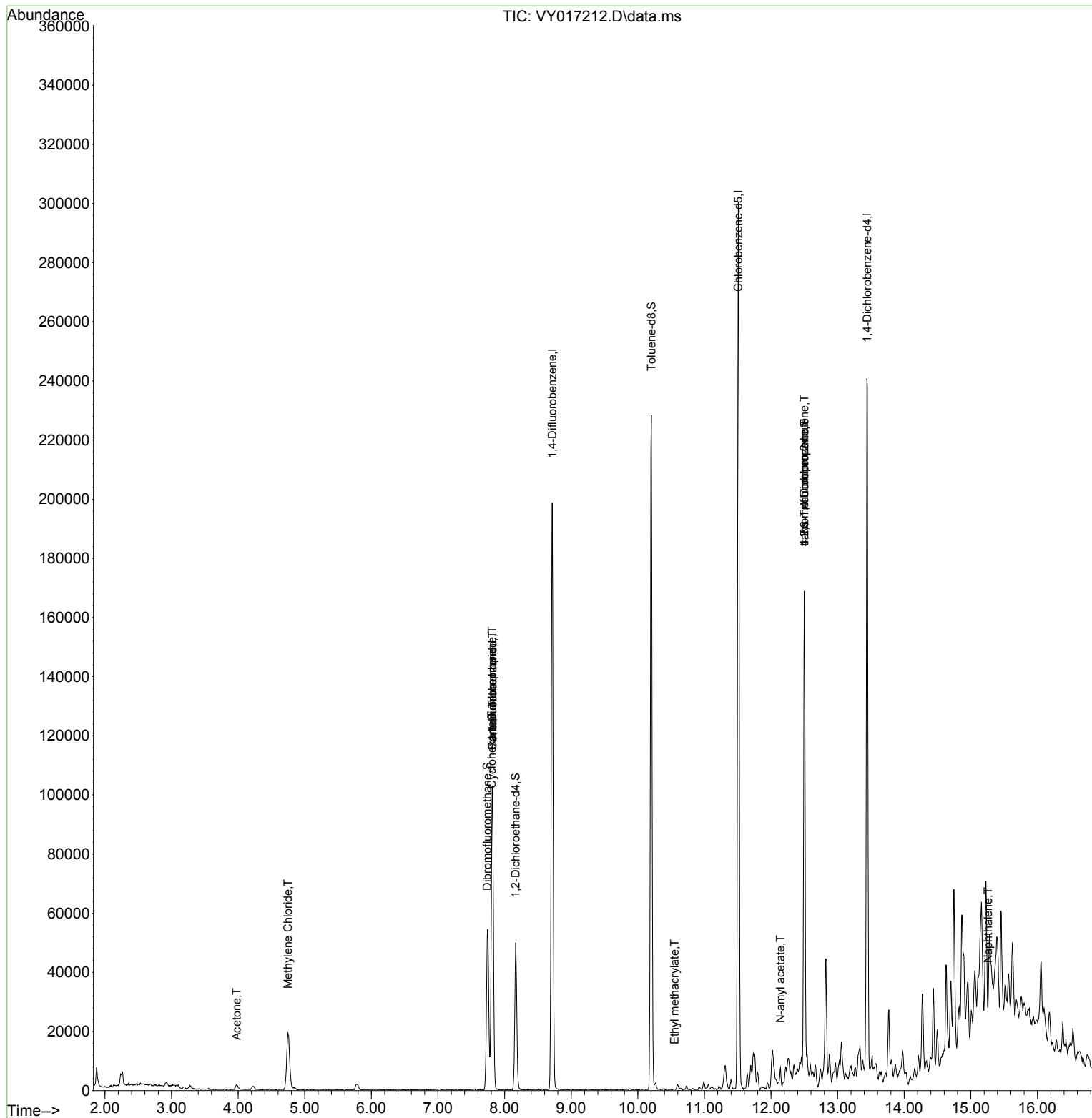
Internal Standards						
1) Pentafluorobenzene	7.819	168	78173	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.715	114	169504	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.507	117	166278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.446	152	59569	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	36072	51.653	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.300%	
35) Dibromofluoromethane	7.740	113	40071	43.783	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 87.560%	
50) Toluene-d8	10.203	98	149554	44.881	ug/l	0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	= 89.760%	
62) 4-Bromofluorobenzene	12.501	95	48556	44.483	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.960%	
Target Compounds						
11) Tert butyl alcohol	4.996	59	44	Below Cal	Qvalue #	75
16) Acetone	3.978	43	3124	15.220	ug/l	92
20) Methylene Chloride	4.746	84	14647	14.969	ug/l	98
31) Cyclohexane	7.807	56	1785	1.268	ug/l #	12
36) 1,1-Dichloropropene	7.813	75	7054	4.468	ug/l #	49
38) Carbon Tetrachloride	7.819	117	7925	5.243	ug/l #	18
56) Ethyl methacrylate	10.550	69	19	3.021	ug/l #	27
74) N-amyl acetate	12.141	43	1188	1.208	ug/l #	63
76) 1,2,3-Trichloropropane	12.501	75	26075	47.425	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.501	75	26075	98.543	ug/l #	12
95) Naphthalene	15.257	128	728	3.854	ug/l #	69

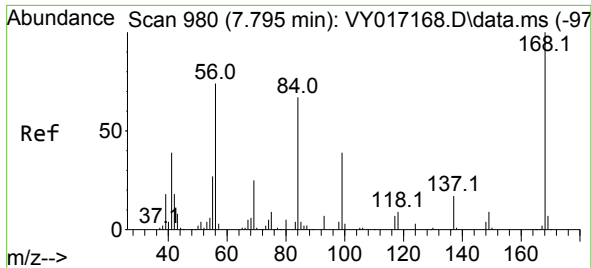
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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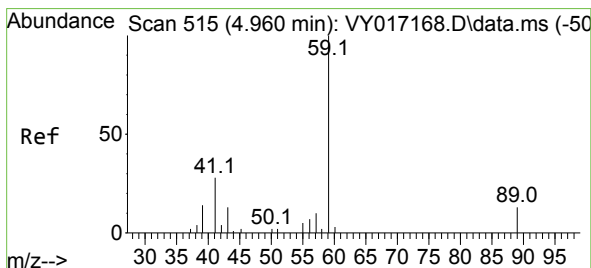
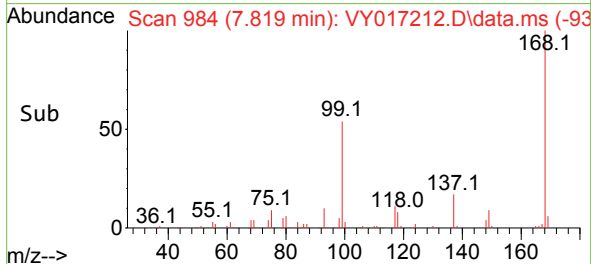
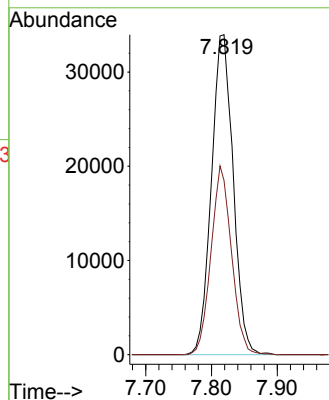
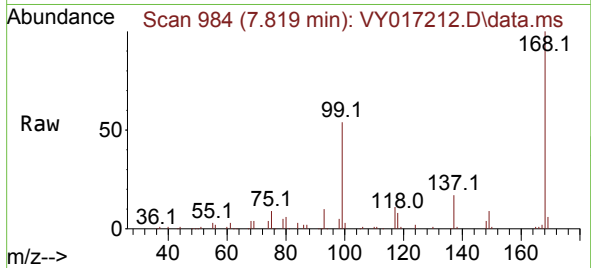




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 984
Delta R.T. 0.024 min
Lab File: VY017212.D
Acq: 03 Feb 2024 03:42

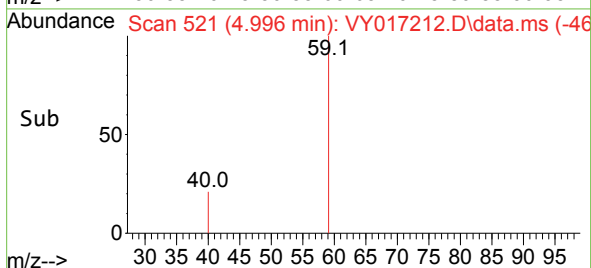
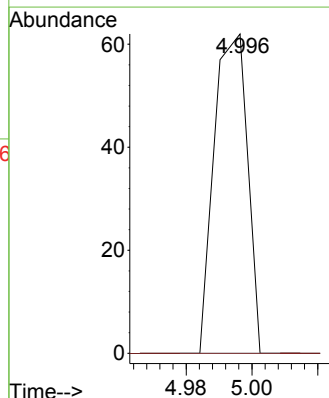
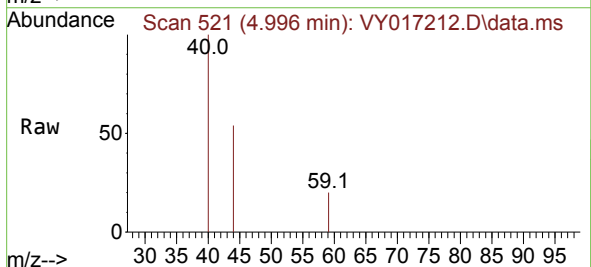
Instrument :
MSVOA_Y
ClientSampleId :
TT-278-IDWSO-20240201-2

Tgt Ion:168 Resp: 78173
Ion Ratio Lower Upper
168 100
99 54.4 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.996 min Scan# 521
Delta R.T. 0.036 min
Lab File: VY017212.D
Acq: 03 Feb 2024 03:42

Tgt Ion: 59 Resp: 44
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 15.220 ug/l

RT: 3.978 min Scan# 31

Delta R.T. 0.030 min

Lab File: VY017212.D

Acq: 03 Feb 2024 03:42

Instrument :

MSVOA_Y

ClientSampleId :

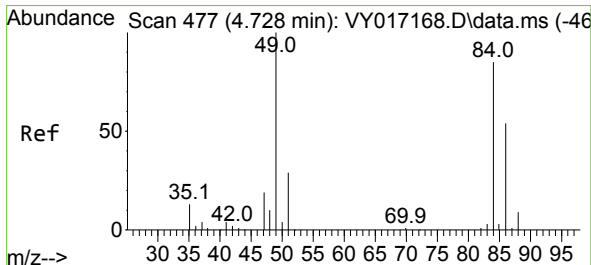
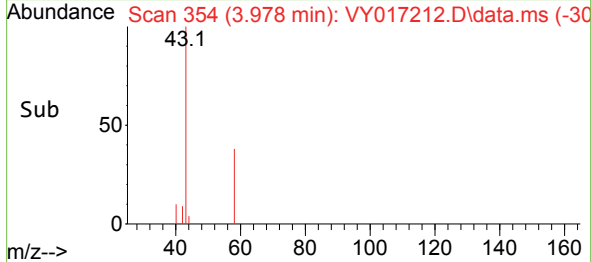
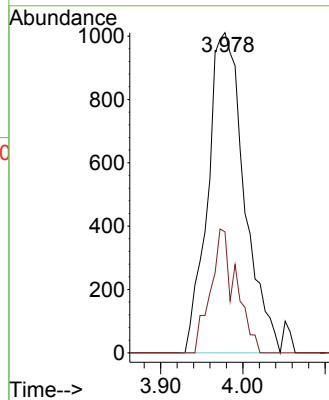
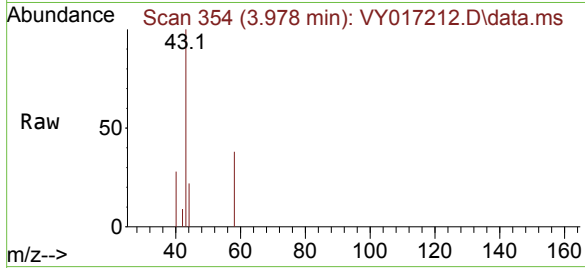
TT-278-IDWSO-20240201-2

Tgt Ion: 43 Resp: 3124

Ion Ratio Lower Upper

43 100

58 37.8 26.6 39.8



#20

Methylene Chloride

Concen: 14.969 ug/l

RT: 4.746 min Scan# 480

Delta R.T. 0.018 min

Lab File: VY017212.D

Acq: 03 Feb 2024 03:42

Tgt Ion: 84 Resp: 14647

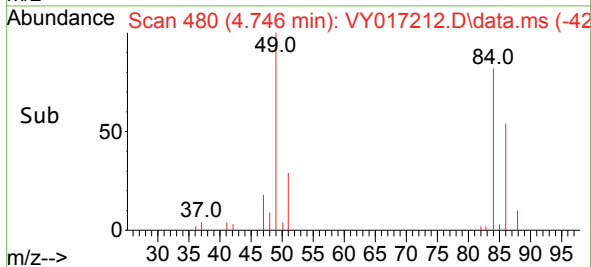
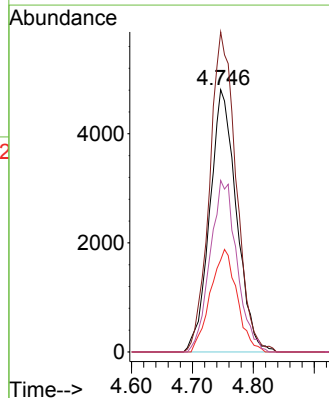
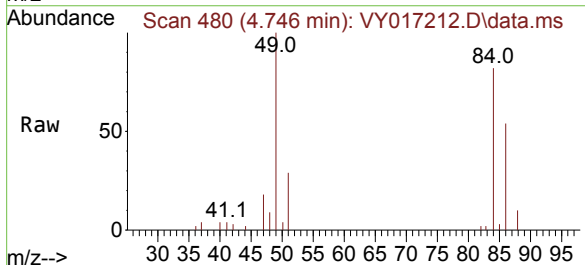
Ion Ratio Lower Upper

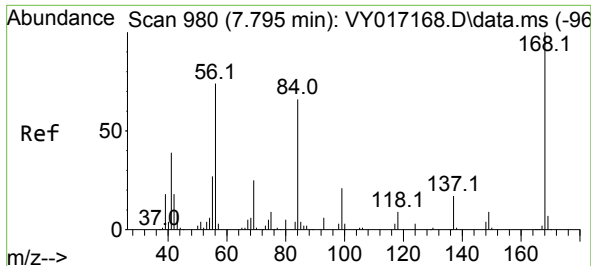
84 100

49 122.1 95.2 142.8

51 35.1 29.9 44.9

86 65.4 52.2 78.4

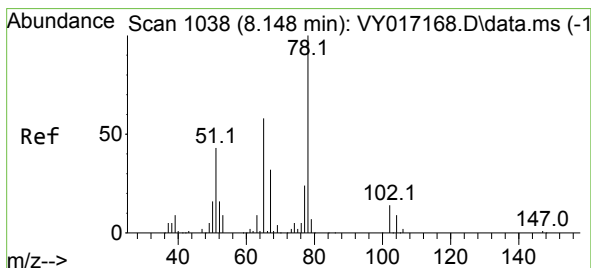
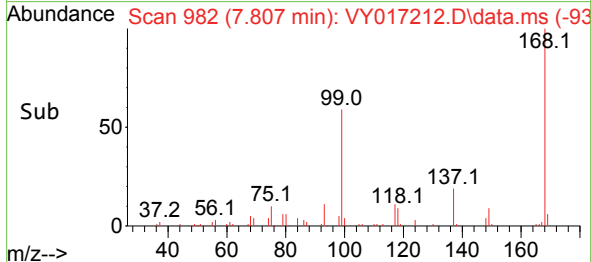
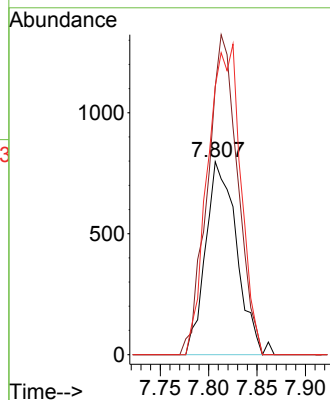
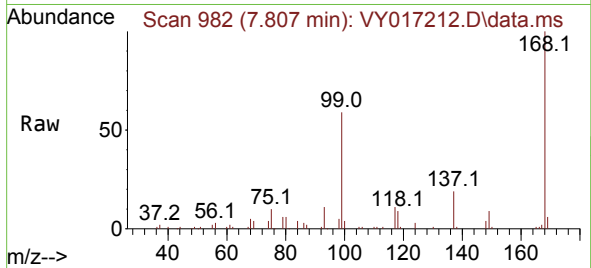




#31
Cyclohexane
Concen: 1.268 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017212.D
Acq: 03 Feb 2024 03:42

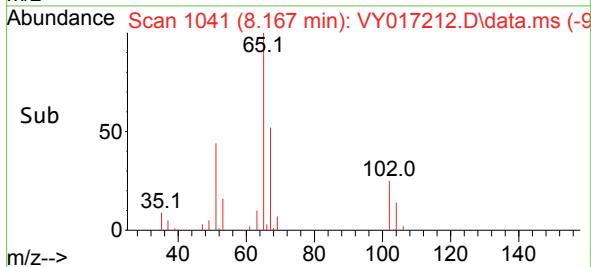
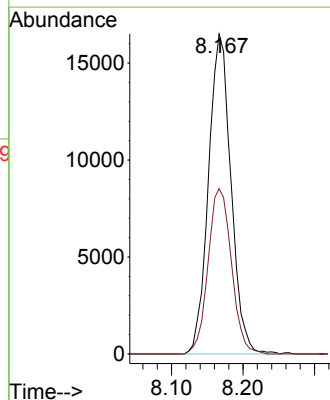
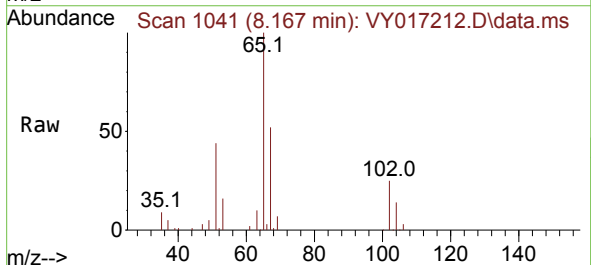
Instrument :
MSVOA_Y
ClientSampleId :
TT-278-IDWSO-20240201-2

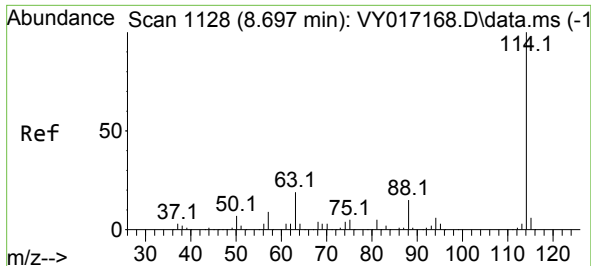
Tgt Ion: 56 Resp: 1785
Ion Ratio Lower Upper
56 100
69 138.6 27.0 40.6#
84 139.0 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 51.653 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.018 min
Lab File: VY017212.D
Acq: 03 Feb 2024 03:42

Tgt Ion: 65 Resp: 36072
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.715 min Scan# 1128

Delta R.T. 0.018 min

Lab File: VY017212.D

Acq: 03 Feb 2024 03:42

Instrument :

MSVOA_Y

ClientSampleId :

TT-278-IDWSO-20240201-2

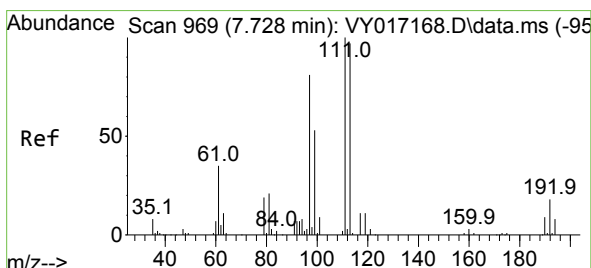
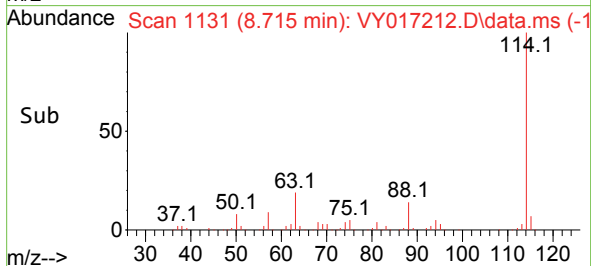
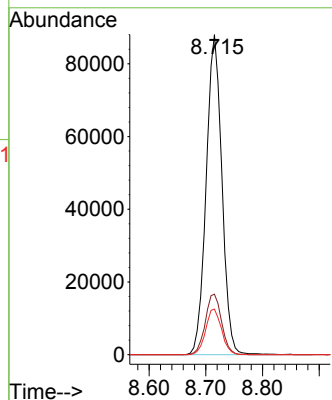
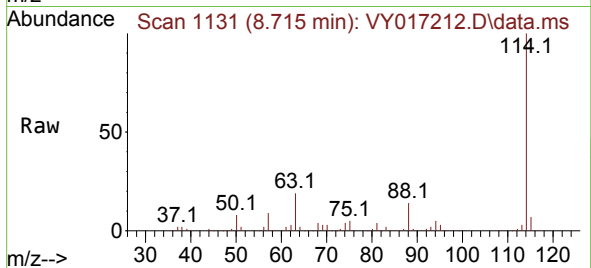
Tgt Ion:114 Resp: 169504

Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.4

88 14.3 0.0 29.0



#35

Dibromofluoromethane

Concen: 43.783 ug/l

RT: 7.740 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY017212.D

Acq: 03 Feb 2024 03:42

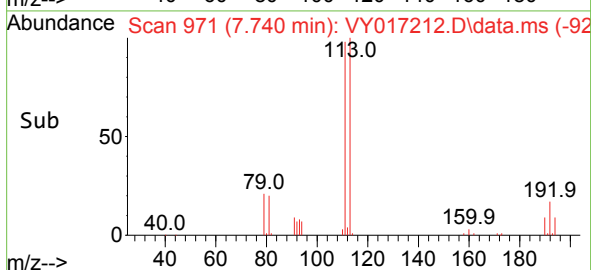
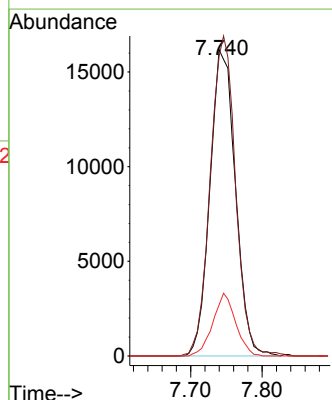
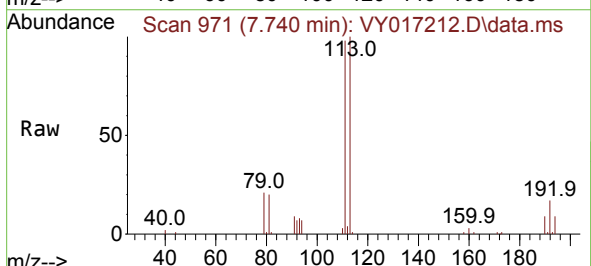
Tgt Ion:113 Resp: 40071

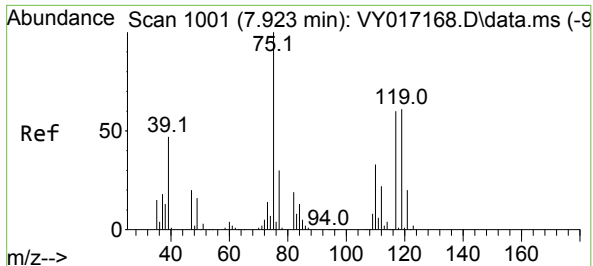
Ion Ratio Lower Upper

113 100

111 103.5 83.8 125.6

192 18.3 14.5 21.7

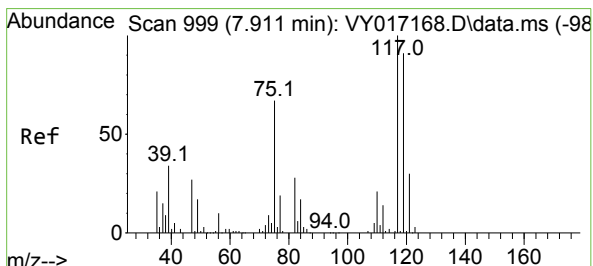
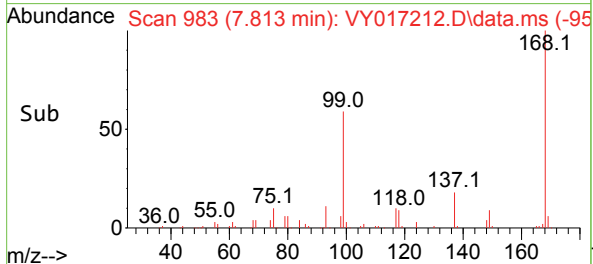
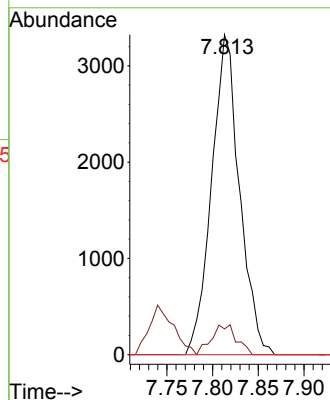
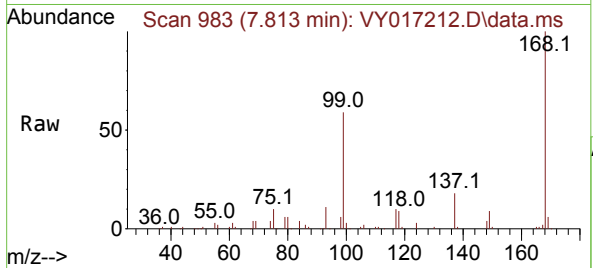




#36
 1,1-Dichloropropene
 Concen: 4.468 ug/l
 RT: 7.813 min Scan# 91
 Delta R.T. -0.110 min
 Lab File: VY017212.D
 Acq: 03 Feb 2024 03:42

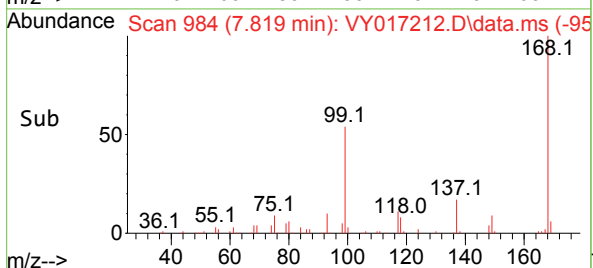
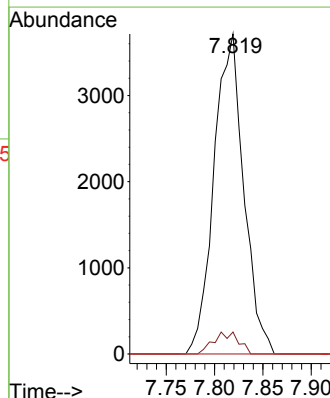
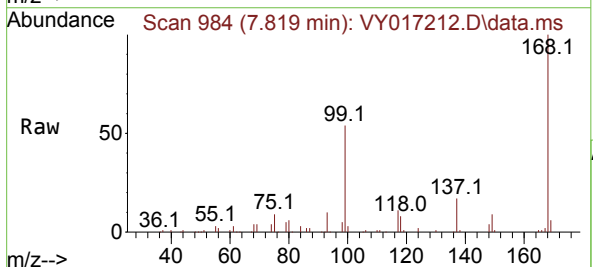
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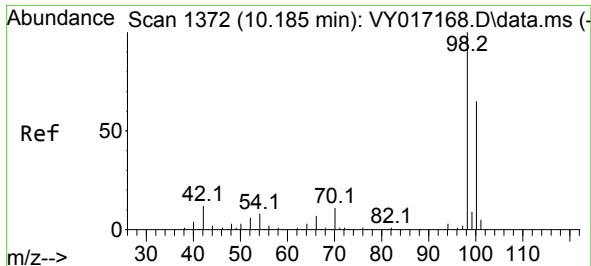
Tgt Ion: 75 Resp: 7054
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.4 52.3#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.243 ug/l
 RT: 7.819 min Scan# 984
 Delta R.T. -0.091 min
 Lab File: VY017212.D
 Acq: 03 Feb 2024 03:42

Tgt Ion: 117 Resp: 7925
 Ion Ratio Lower Upper
 117 100
 119 6.8 76.0 114.0#
 121 0.0 24.2 36.2#

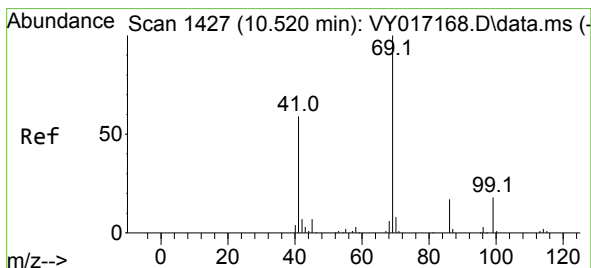
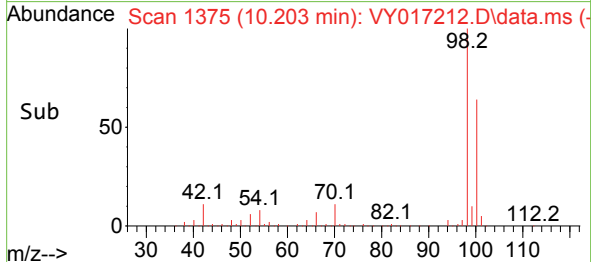
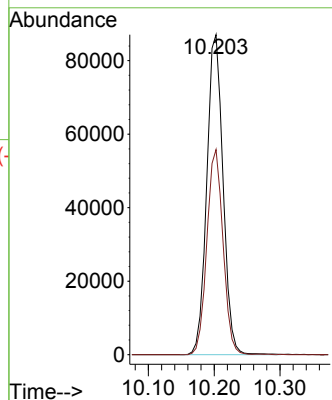
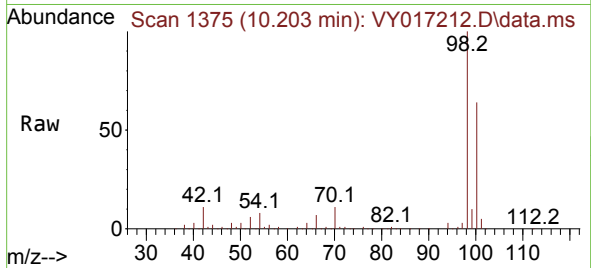




#50
Toluene-d8
Concen: 44.881 ug/l
RT: 10.203 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY017212.D
Acq: 03 Feb 2024 03:42

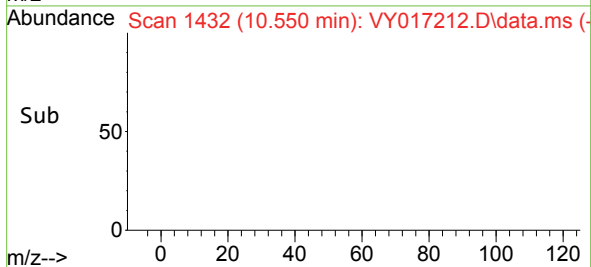
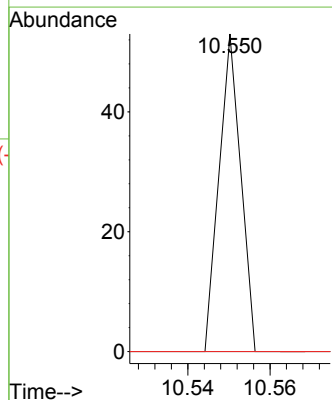
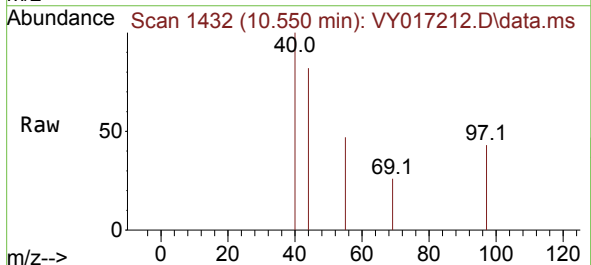
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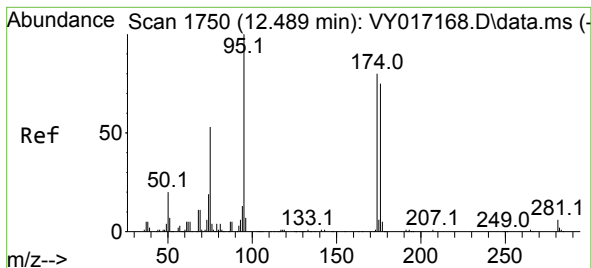
Tgt Ion: 98 Resp: 149554
Ion Ratio Lower Upper
98 100
100 63.7 52.3 78.5



#56
Ethyl methacrylate
Concen: 3.021 ug/l
RT: 10.550 min Scan# 1432
Delta R.T. 0.030 min
Lab File: VY017212.D
Acq: 03 Feb 2024 03:42

Tgt Ion: 69 Resp: 19
Ion Ratio Lower Upper
69 100
41 0.0 49.2 73.8#
39 0.0 26.8 40.2#





#62

4-Bromofluorobenzene

Concen: 44.483 ug/l

RT: 12.501 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY017212.D

Acq: 03 Feb 2024 03:42

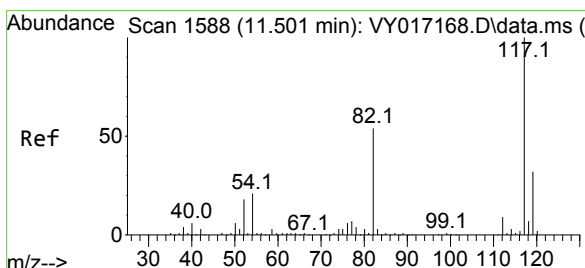
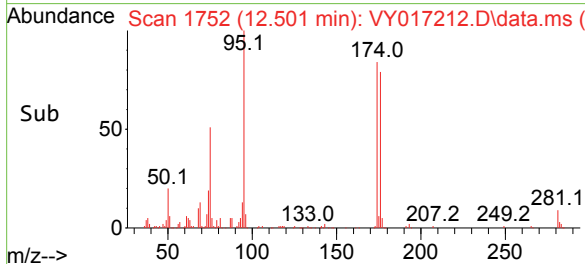
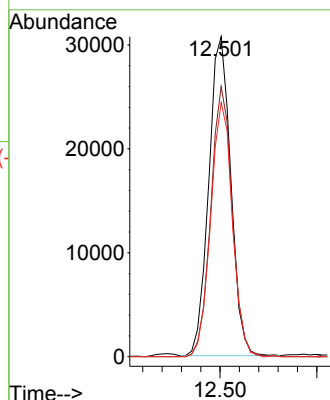
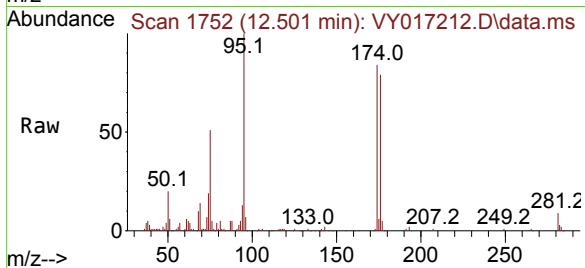
Instrument :

MSVOA_Y

ClientSampleId :

TT-278-IDWSO-20240201-2

Tgt Ion:	95	Resp:	48556
Ion	Ratio	Lower	Upper
95	100		
174	82.1	0.0	160.0
176	78.3	0.0	151.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

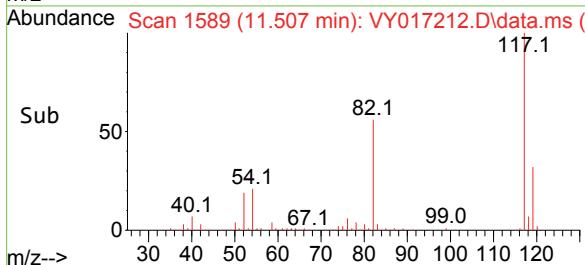
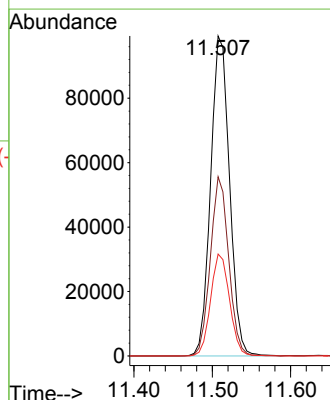
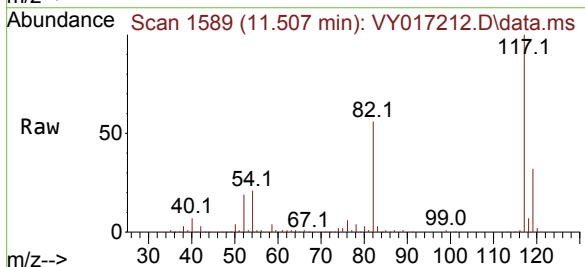
RT: 11.507 min Scan# 1589

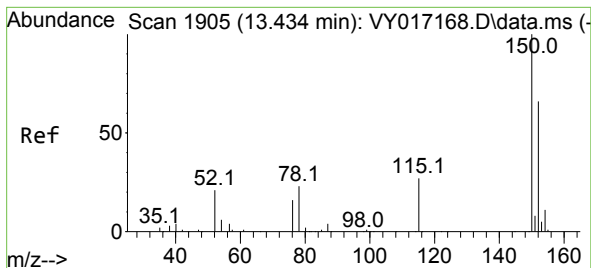
Delta R.T. 0.006 min

Lab File: VY017212.D

Acq: 03 Feb 2024 03:42

Tgt Ion:	117	Resp:	166278
Ion	Ratio	Lower	Upper
117	100		
82	56.0	43.8	65.8
119	31.9	26.5	39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.446 min Scan# 1905

Delta R.T. 0.012 min

Lab File: VY017212.D

Acq: 03 Feb 2024 03:42

Instrument :

MSVOA_Y

ClientSampleId :

TT-278-IDWSO-20240201-2

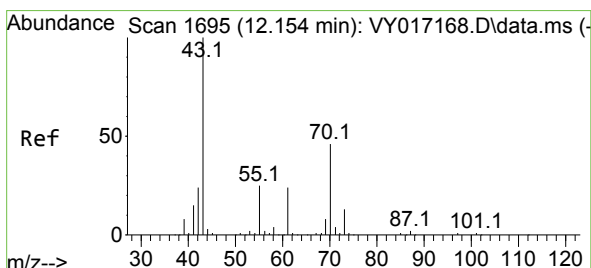
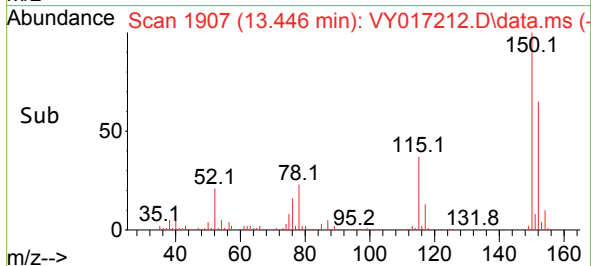
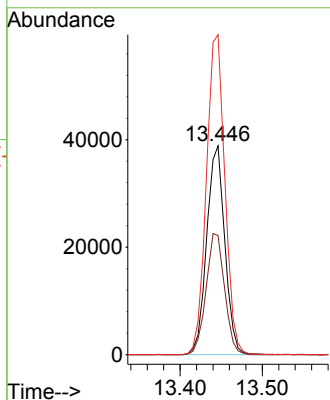
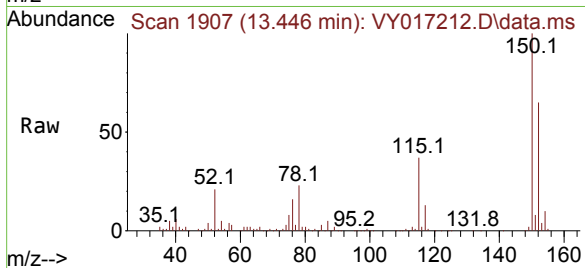
Tgt Ion:152 Resp: 59569

Ion Ratio Lower Upper

152 100

115 59.3 30.0 90.0

150 156.1 0.0 344.6



#74

N-ethyl acetate

Concen: 1.208 ug/l

RT: 12.141 min Scan# 1693

Delta R.T. -0.012 min

Lab File: VY017212.D

Acq: 03 Feb 2024 03:42

Tgt Ion: 43 Resp: 1188

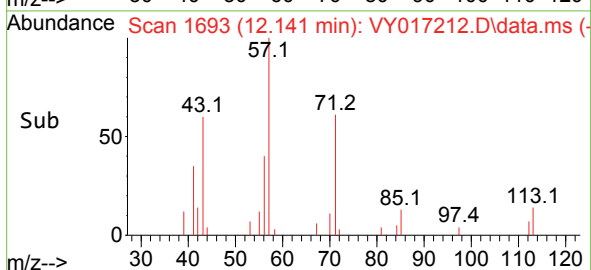
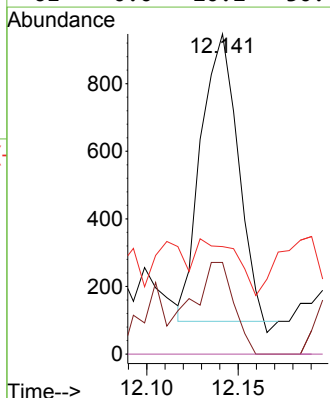
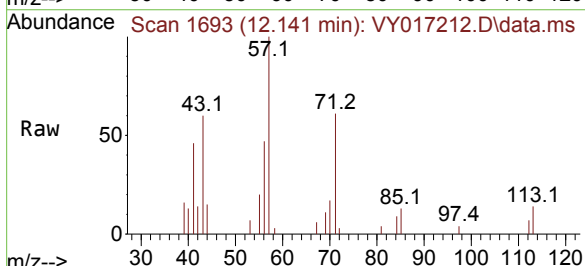
Ion Ratio Lower Upper

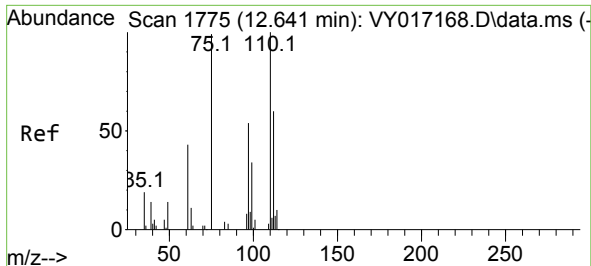
43 100

70 32.7 36.6 55.0#

55 0.0 22.2 33.4#

61 0.0 20.2 30.4#

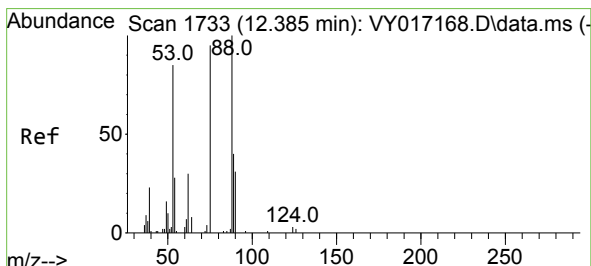
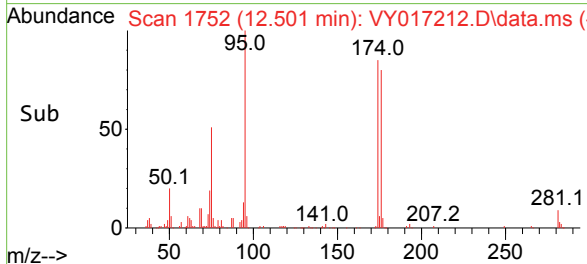
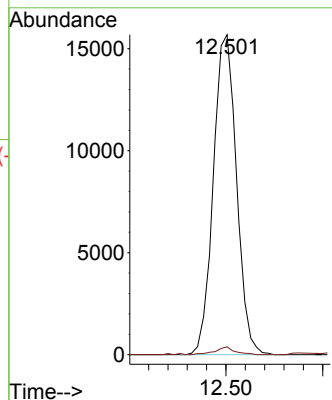
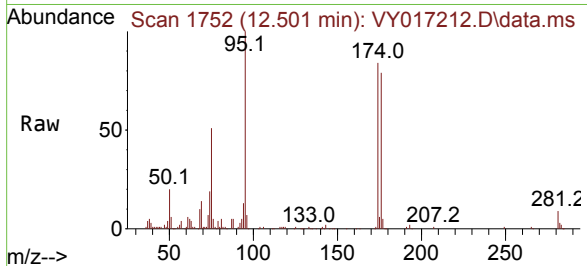




#76
1,2,3-Trichloropropane
Concen: 47.425 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. -0.140 min
Lab File: VY017212.D
Acq: 03 Feb 2024 03:42

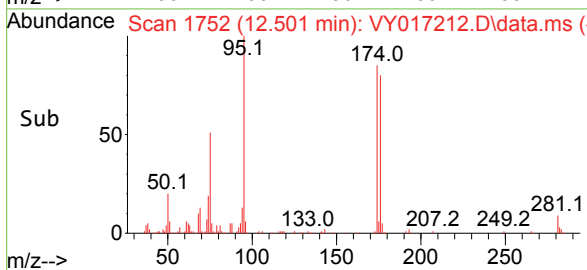
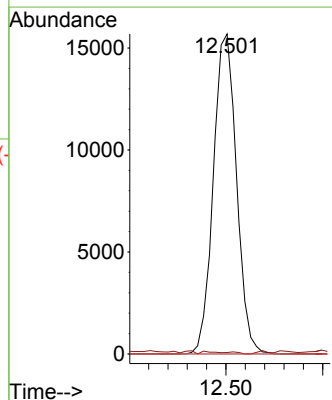
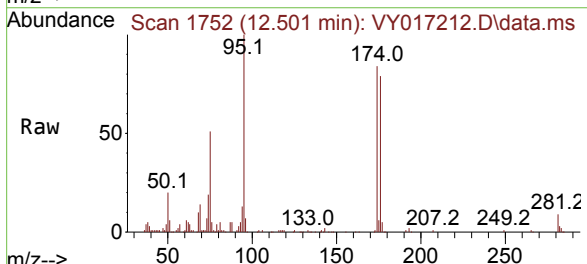
Instrument :
MSVOA_Y
ClientSampleId :
TT-278-IDWSO-20240201-2

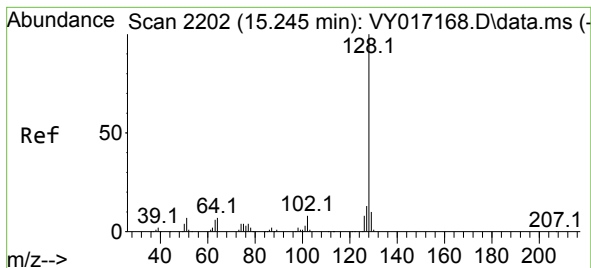
Tgt Ion: 75 Resp: 26075
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.543 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. 0.116 min
Lab File: VY017212.D
Acq: 03 Feb 2024 03:42

Tgt Ion: 75 Resp: 26075
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#





#95

Naphthalene

Concen: 3.854 ug/l

RT: 15.257 min Scan# 21

Delta R.T. 0.012 min

Lab File: VY017212.D

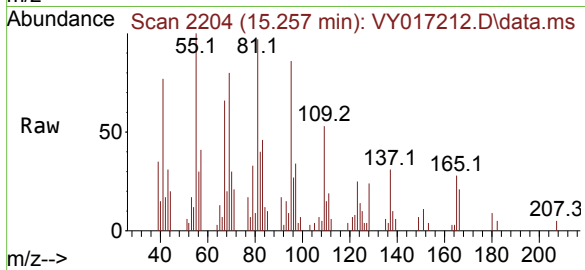
Acq: 03 Feb 2024 03:42

Instrument :

MSVOA_Y

ClientSampleId :

TT-278-IDWSO-20240201-2



Tgt Ion:128 Resp: 728

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.6 12.8#

