

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062023\
 Data File : VX036250.D
 Acq On : 20 Jun 2023 18:02
 Operator : JC/MD
 Sample : 03274-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-1

Quant Time: Jun 21 02:53:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 16 16:28:40 2023
 Response via : Initial Calibration

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

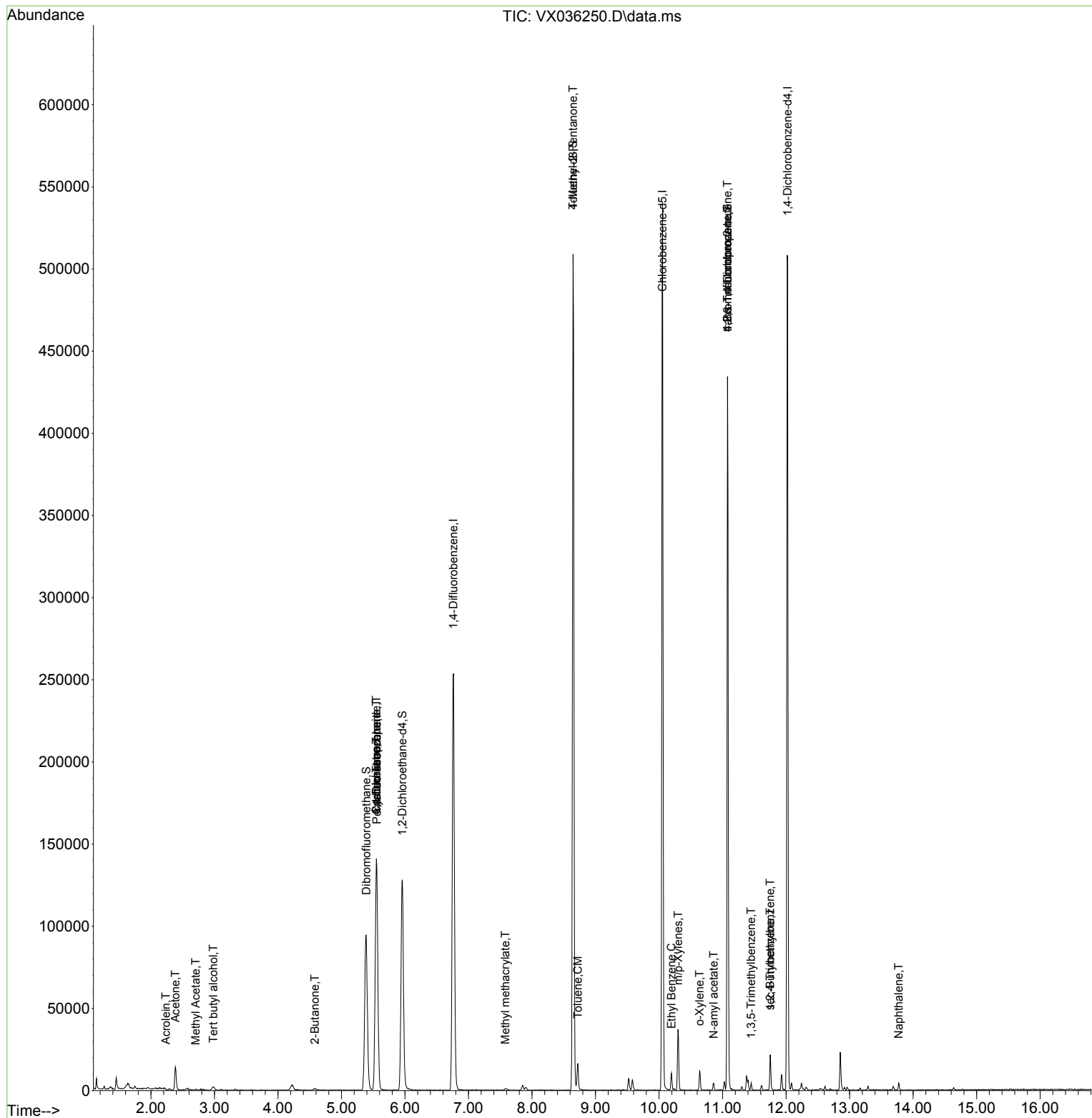
Internal Standards						
1) Pentafluorobenzene	5.556	168	121423	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	246638	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	225095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	126630	57.068	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	114.140%
35) Dibromofluoromethane	5.391	113	82623	49.401	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.800%
50) Toluene-d8	8.647	98	288835	47.212	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.420%
62) 4-Bromofluorobenzene	11.079	95	112219	45.441	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.880%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.983	59	3186	9.392	ug/l #	92
13) Acrolein	2.233	56	111	0.295	ug/l #	14
16) Acetone	2.386	43	15786	17.123	ug/l	96
18) Methyl Acetate	2.703	43	805	0.230	ug/l #	59
25) 2-Butanone	4.580	43	1415	1.096	ug/l #	82
31) Cyclohexane	5.550	56	3351	1.408	ug/l #	32
36) 1,1-Dichloropropene	5.550	75	11569	4.696	ug/l #	51
38) Carbon Tetrachloride	5.550	117	13569	5.666	ug/l #	16
48) Methyl methacrylate	7.580	41	577	0.256	ug/l #	44
51) 4-Methyl-2-Pentanone	8.647	43	1629	0.587	ug/l #	1
52) Toluene	8.720	92	5696	1.313	ug/l	96
67) Ethyl Benzene	10.195	91	5516	0.662	ug/l	95
68) m/p-Xylenes	10.299	106	7943	2.527	ug/l	92
69) o-Xylene	10.640	106	2632	0.849	ug/l	91
74) N-amyl acetate	10.860	43	671	0.202	ug/l #	13
76) 1,2,3-Trichloropropane	11.079	75	62898	26.697	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	1846	0.294	ug/l	91
81) trans-1,4-Dichloro-2-b...	11.079	75	62898	93.444	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	8698	1.390	ug/l	99
85) sec-Butylbenzene	11.750	105	8698	1.171	ug/l #	57
95) Naphthalene	13.774	128	2947	0.467	ug/l	97

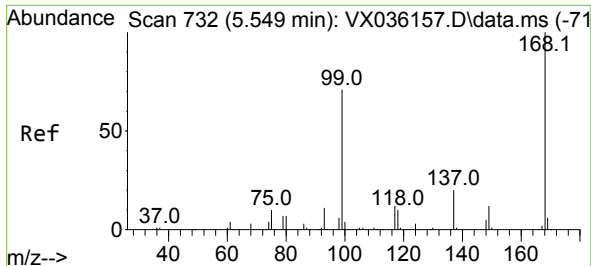
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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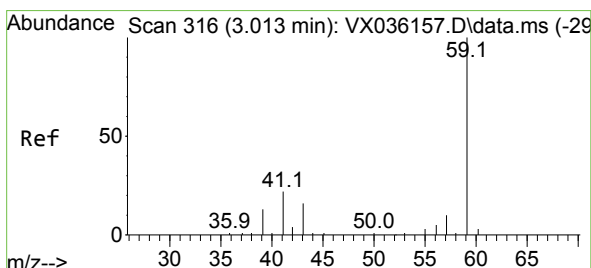
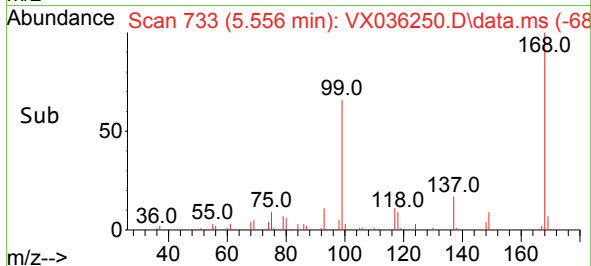
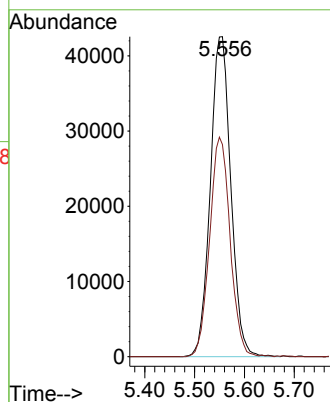
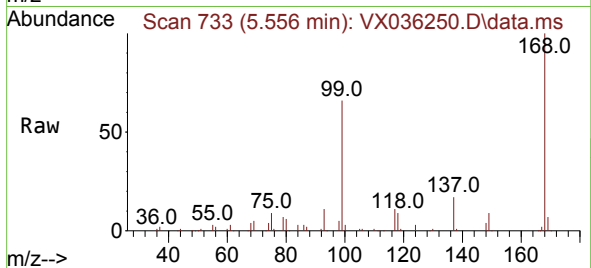




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036250.D
Acq: 20 Jun 2023 18:02

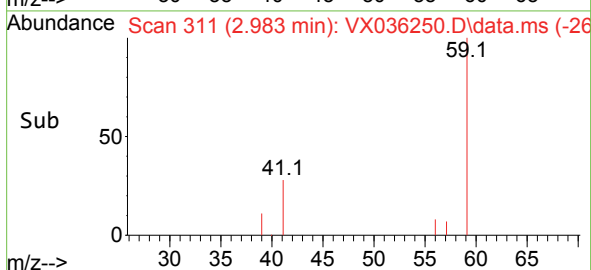
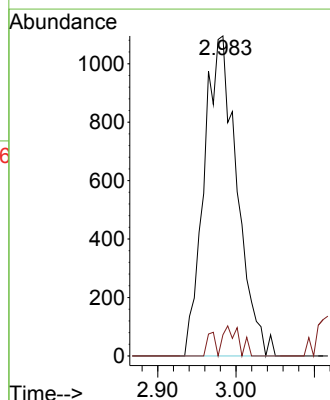
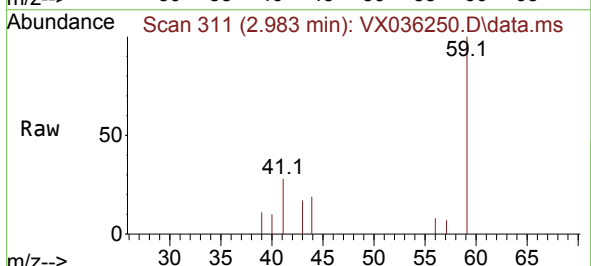
Instrument :
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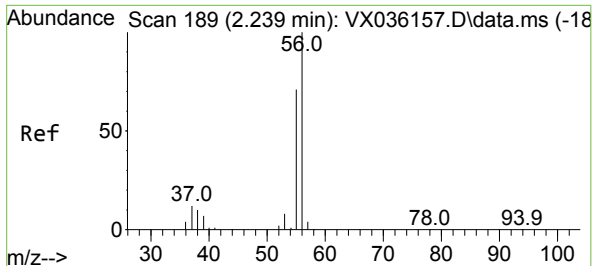
Tgt Ion:168 Resp: 121423
Ion Ratio Lower Upper
168 100
99 66.3 56.6 85.0



#11
Tert butyl alcohol
Concen: 9.392 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.030 min
Lab File: VX036250.D
Acq: 20 Jun 2023 18:02

Tgt Ion: 59 Resp: 3186
Ion Ratio Lower Upper
59 100
57 4.6 6.0 9.0#

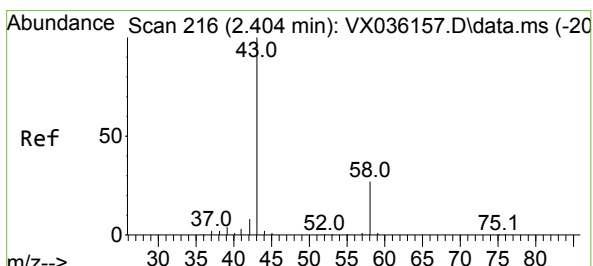
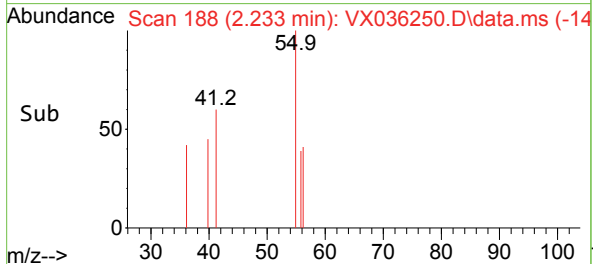
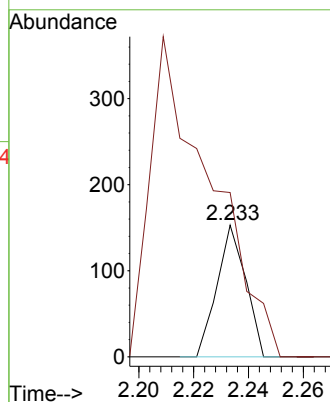
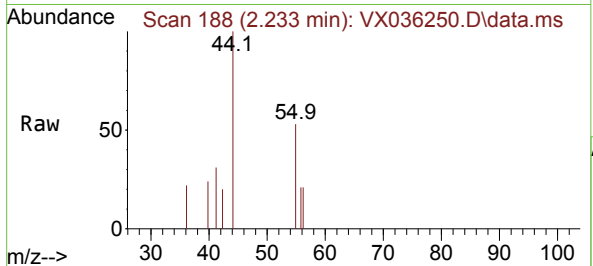




#13
Acrolein
Concen: 0.295 ug/l
RT: 2.233 min Scan# 111
Delta R.T. -0.006 min
Lab File: VX036250.D
Acq: 20 Jun 2023 18:02

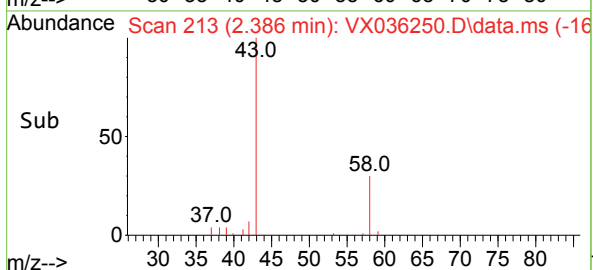
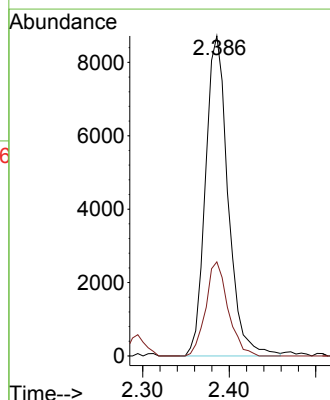
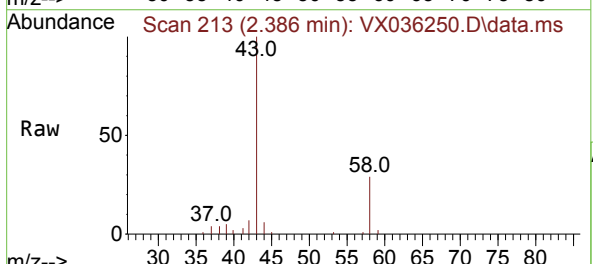
Instrument :
MSVOA_X
ClientSampleId :
TW-1

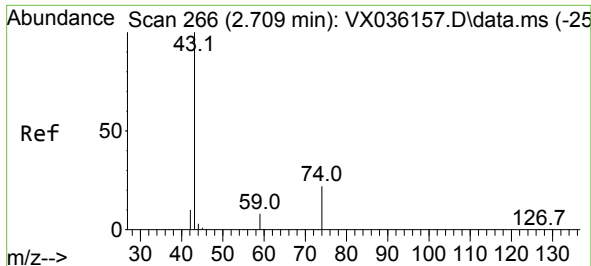
Tgt Ion: 56 Resp: 111
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 17.123 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.018 min
Lab File: VX036250.D
Acq: 20 Jun 2023 18:02

Tgt Ion: 43 Resp: 15786
Ion Ratio Lower Upper
43 100
58 29.4 21.9 32.9





#18

Methyl Acetate

Concen: 0.230 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.006 min

Lab File: VX036250.D

Acq: 20 Jun 2023 18:02

Instrument :

MSVOA_X

ClientSampleId :

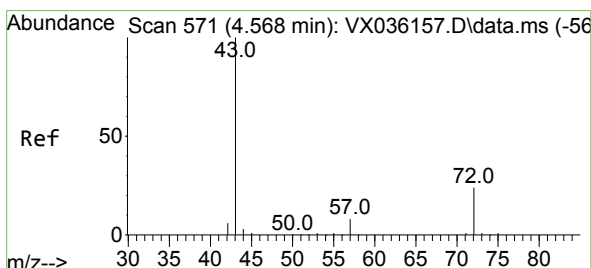
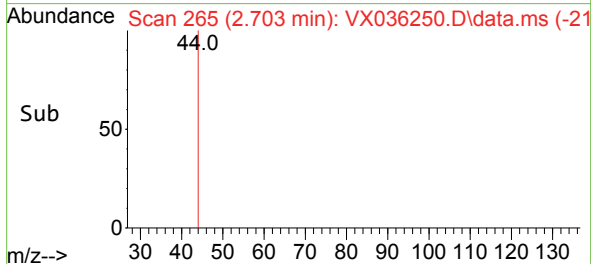
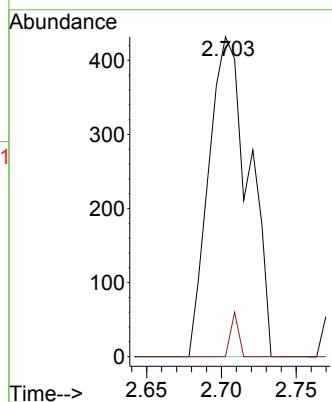
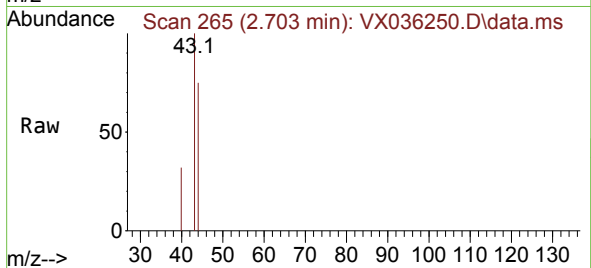
TW-1

Tgt Ion: 43 Resp: 805

Ion Ratio Lower Upper

43 100

74 2.7 17.8 26.8#



#25

2-Butanone

Concen: 1.096 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX036250.D

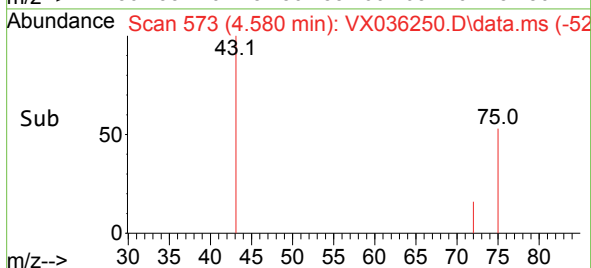
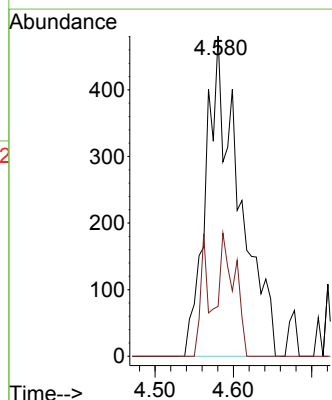
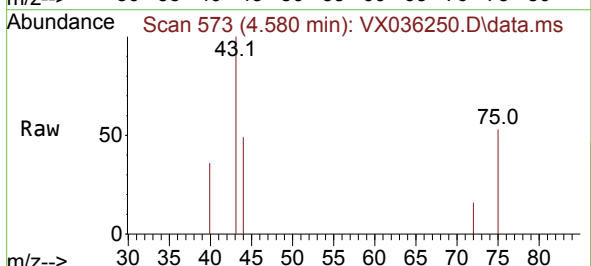
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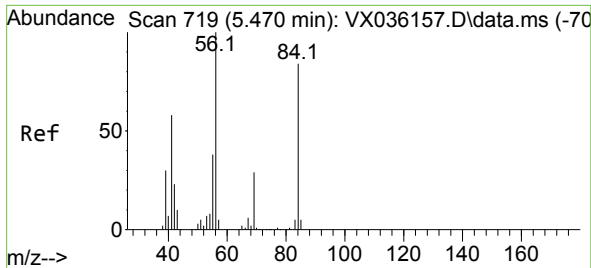
Tgt Ion: 43 Resp: 1415

Ion Ratio Lower Upper

43 100

72 15.6 19.4 29.2#

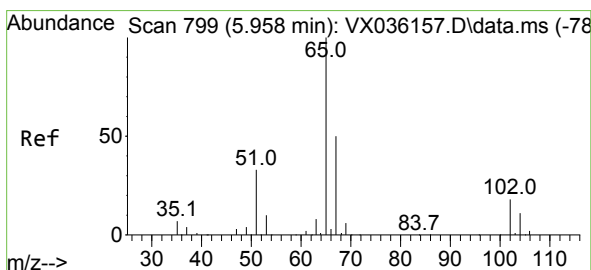
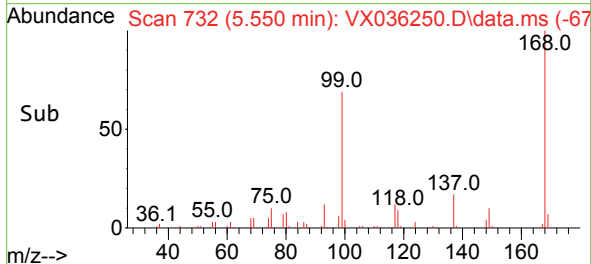
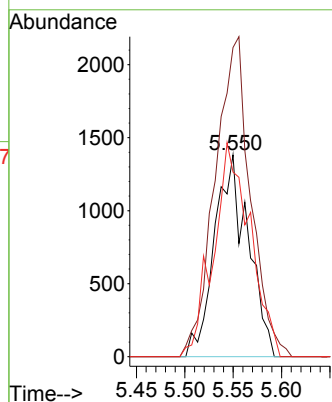
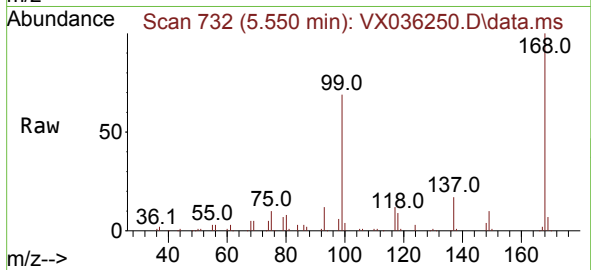




#31
Cyclohexane
Concen: 1.408 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX036250.D
Acq: 20 Jun 2023 18:02

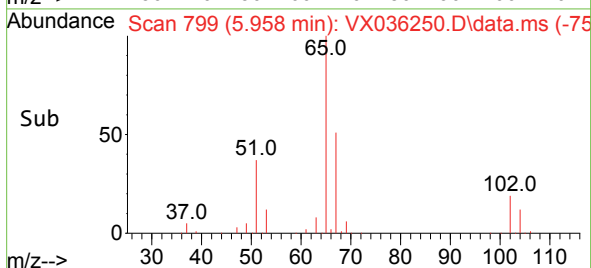
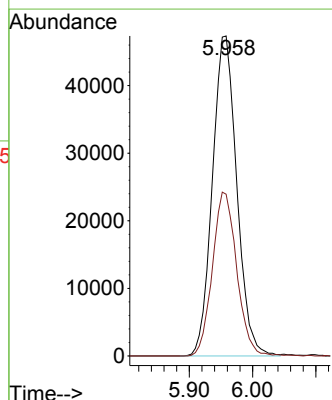
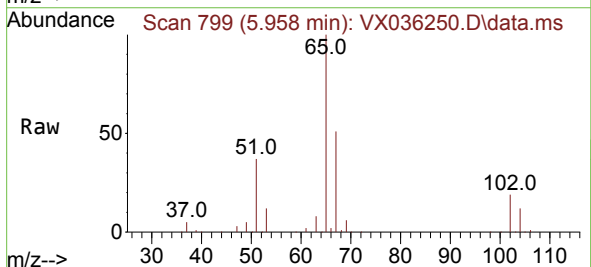
Instrument :
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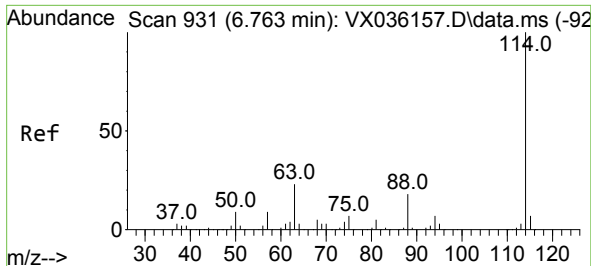
Tgt Ion: 56 Resp: 3351
Ion Ratio Lower Upper
56 100
69 153.3 23.4 35.2#
84 91.5 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 57.068 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036250.D
Acq: 20 Jun 2023 18:02

Tgt Ion: 65 Resp: 126630
Ion Ratio Lower Upper
65 100
67 51.1 0.0 100.2

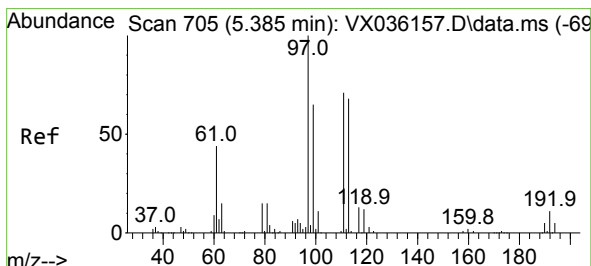
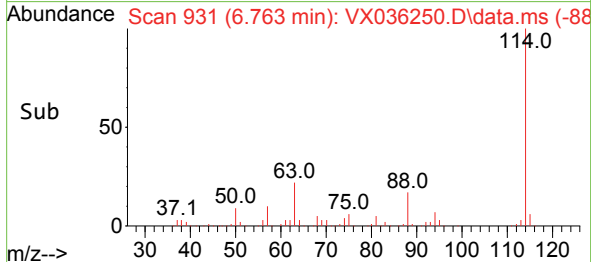
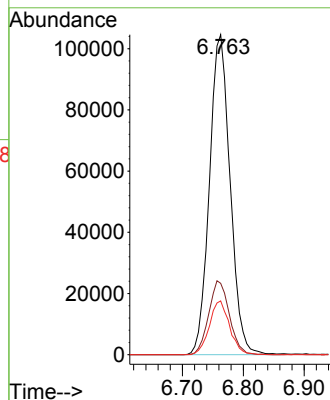
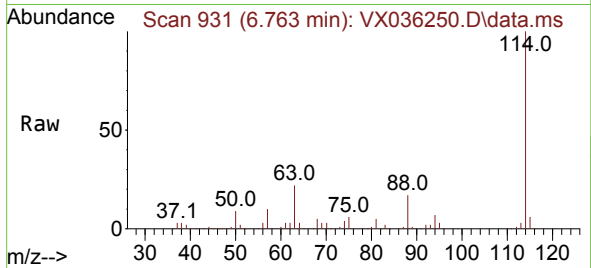




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX036250.D
Acq: 20 Jun 2023 18:02

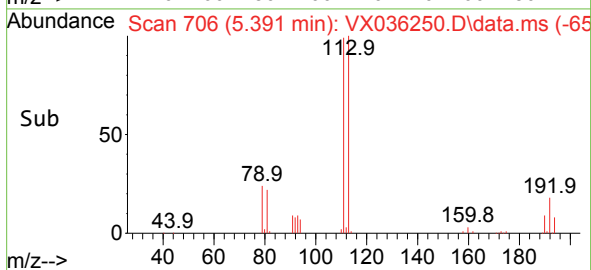
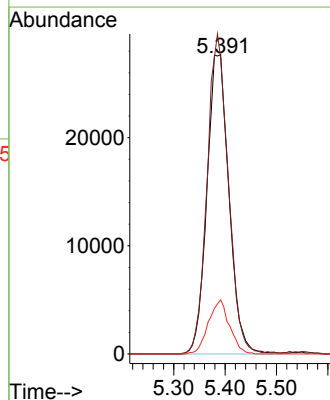
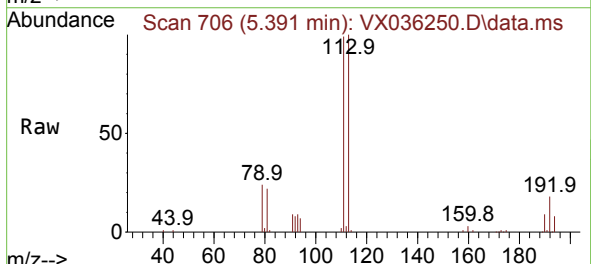
Instrument :
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ClientSampleId :
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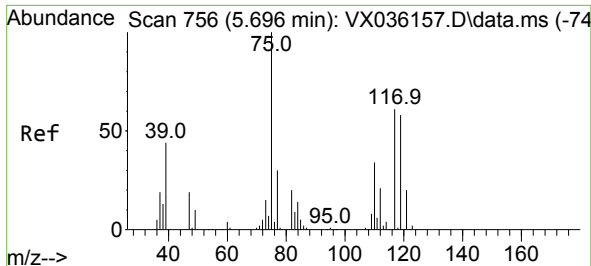
Tgt Ion:114 Resp: 246638
Ion Ratio Lower Upper
114 100
63 22.3 0.0 45.0
88 16.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.401 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX036250.D
Acq: 20 Jun 2023 18:02

Tgt Ion:113 Resp: 82623
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 17.2 13.3 19.9

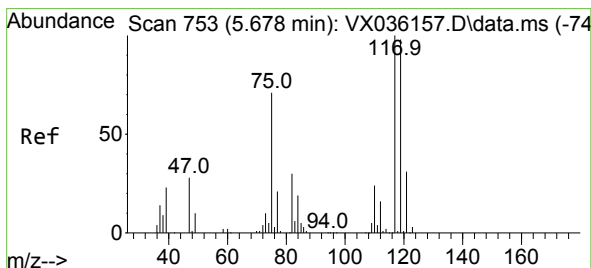
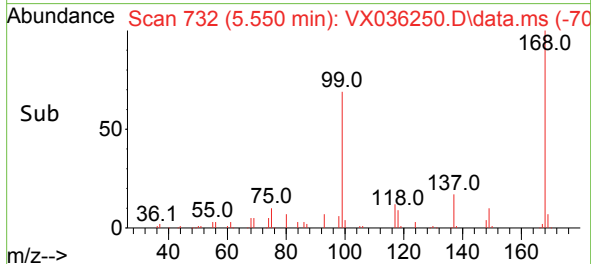
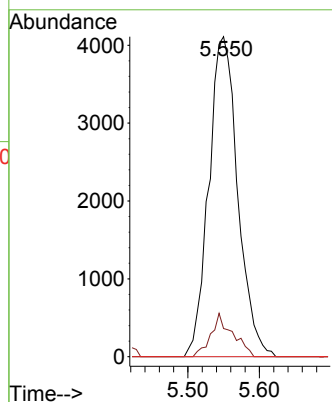
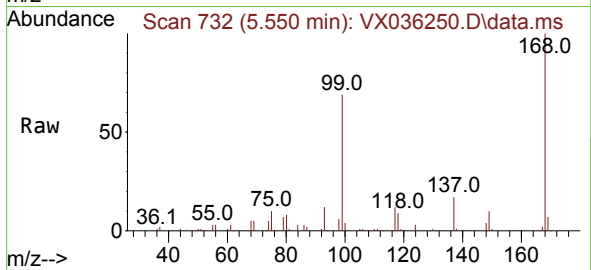




#36
1,1-Dichloropropene
Concen: 4.696 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036250.D
Acq: 20 Jun 2023 18:02

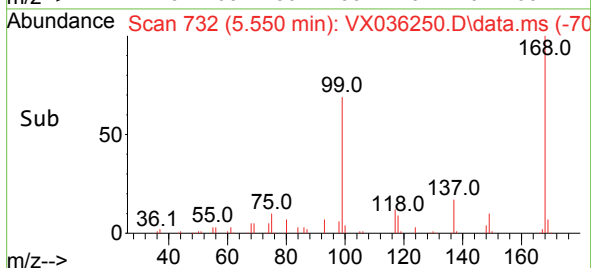
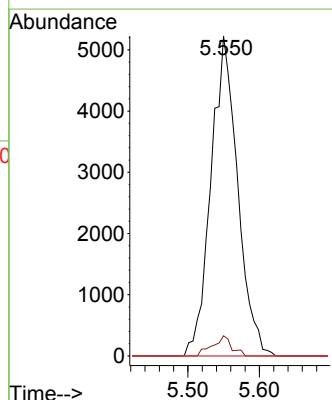
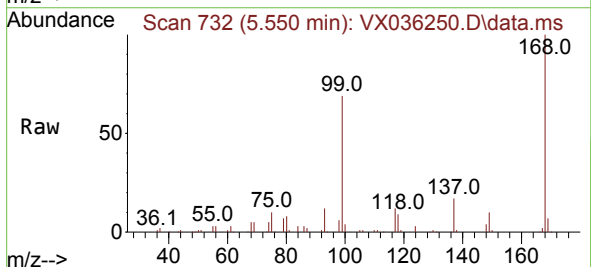
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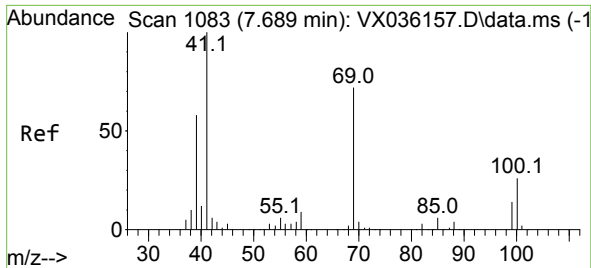
Tgt Ion: 75 Resp: 11569
Ion Ratio Lower Upper
75 100
110 10.1 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.666 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX036250.D
Acq: 20 Jun 2023 18:02

Tgt Ion: 117 Resp: 13569
Ion Ratio Lower Upper
117 100
119 6.3 78.2 117.2#
121 0.0 24.4 36.6#

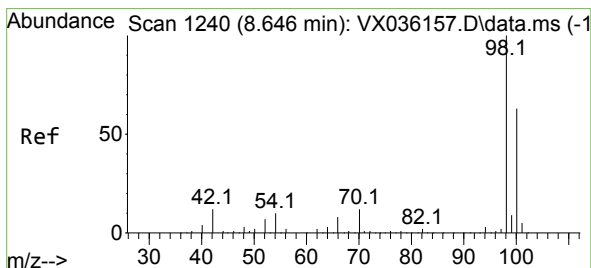
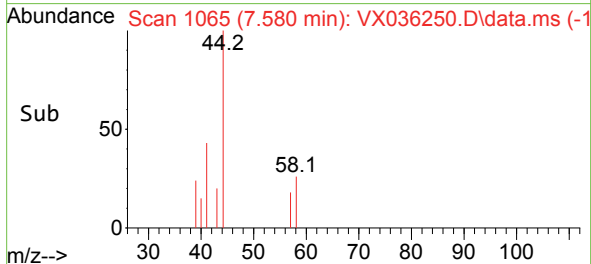
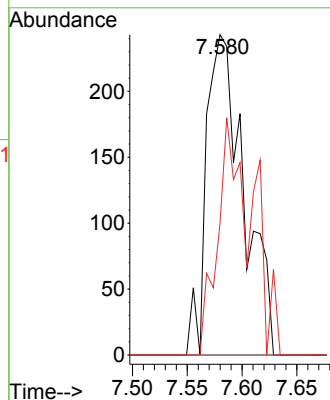
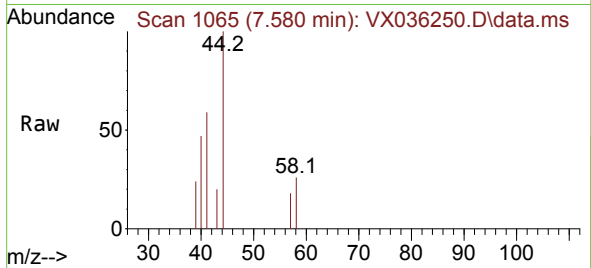




#48
Methyl methacrylate
Concen: 0.256 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.109 min
Lab File: VX036250.D
Acq: 20 Jun 2023 18:02

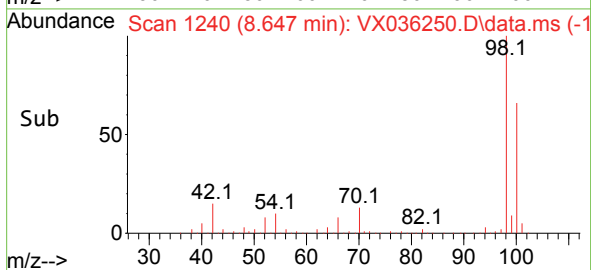
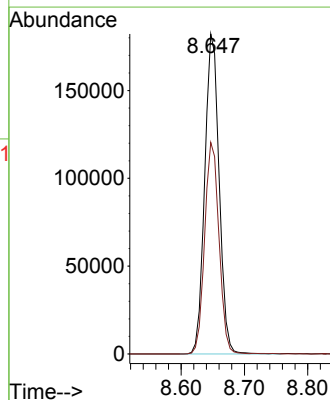
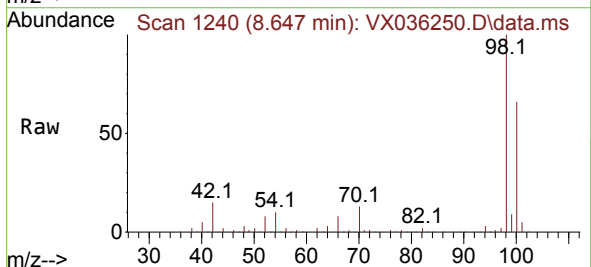
Instrument :
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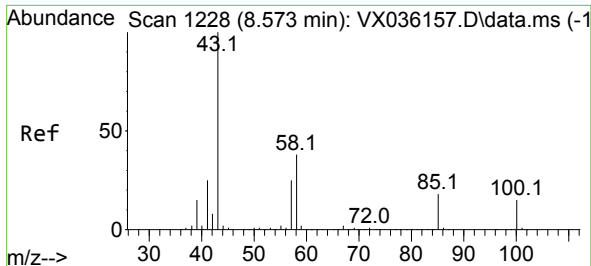
Tgt Ion: 41 Resp: 577
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 46.8 47.7 71.5#



#50
Toluene-d8
Concen: 47.212 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX036250.D
Acq: 20 Jun 2023 18:02

Tgt Ion: 98 Resp: 288835
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7

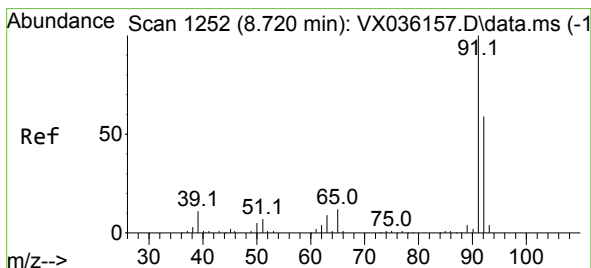
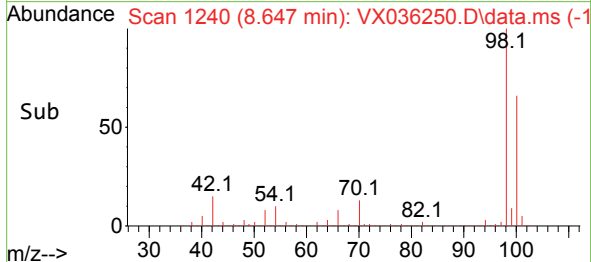
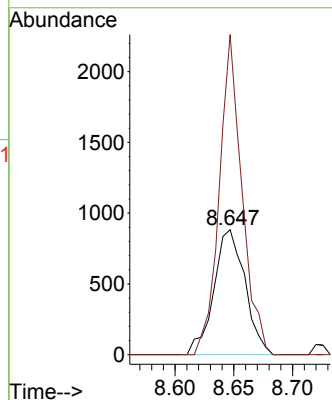
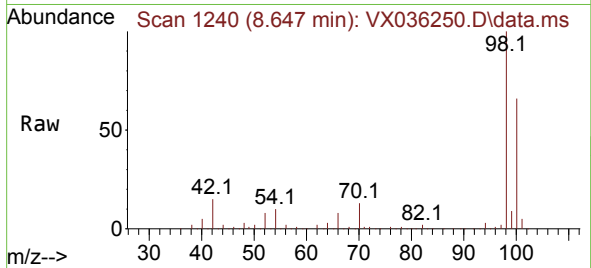




#51
4-Methyl-2-Pentanone
Concen: 0.587 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.074 min
Lab File: VX036250.D
Acq: 20 Jun 2023 18:02

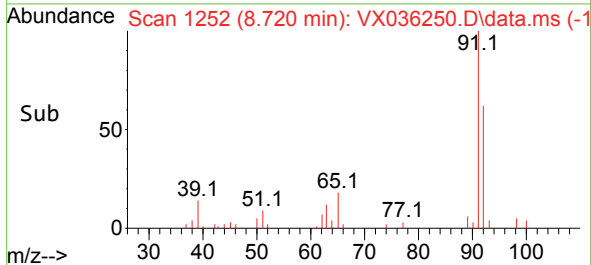
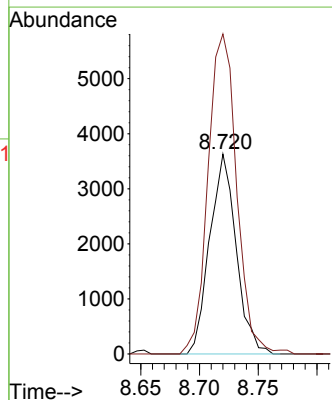
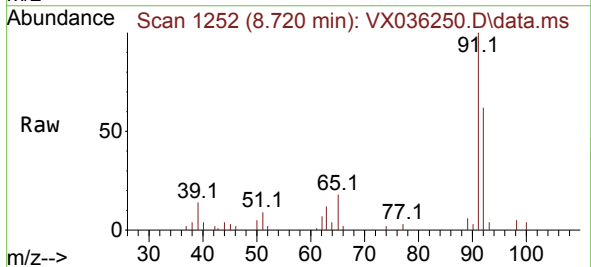
Instrument :
MSVOA_X
ClientSampleId :
TW-1

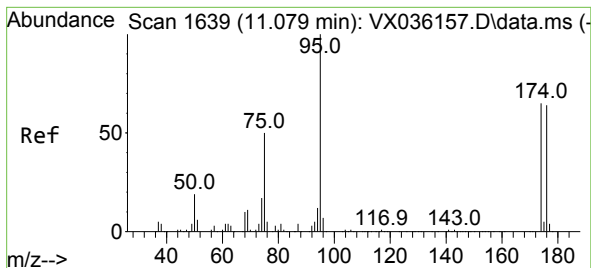
Tgt Ion: 43 Resp: 1629
Ion Ratio Lower Upper
43 100
58 187.5 30.4 45.6#



#52
Toluene
Concen: 1.313 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX036250.D
Acq: 20 Jun 2023 18:02

Tgt Ion: 92 Resp: 5696
Ion Ratio Lower Upper
92 100
91 173.1 134.2 201.2

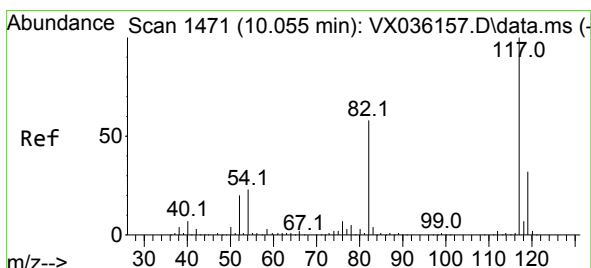
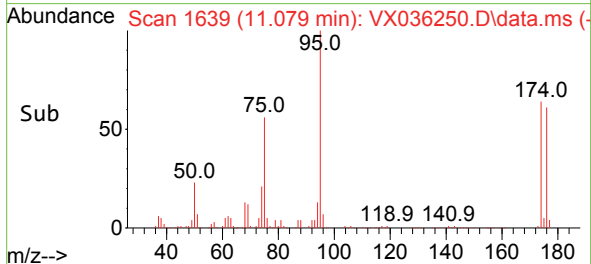
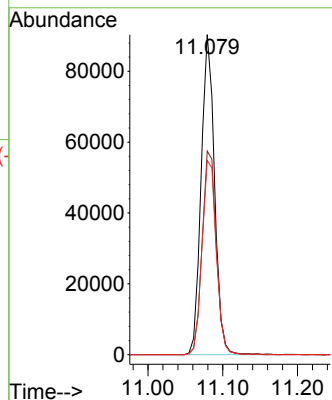
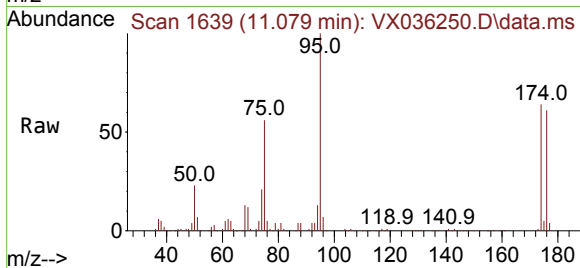




#62
4-Bromofluorobenzene
Concen: 45.441 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036250.D
Acq: 20 Jun 2023 18:02

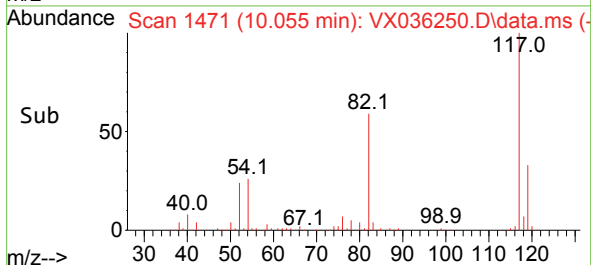
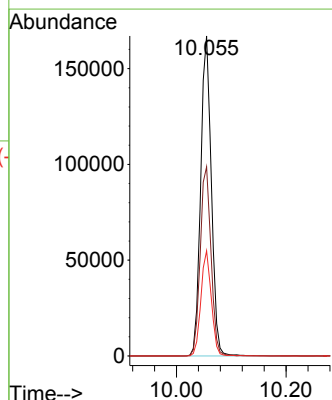
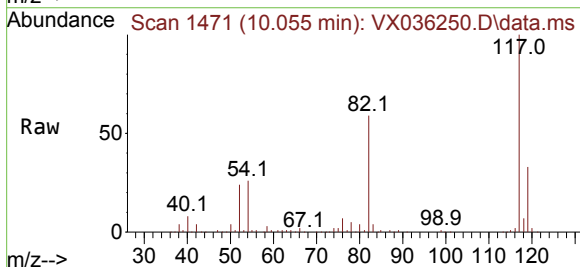
Instrument :
MSVOA_X
ClientSampleId :
TW-1

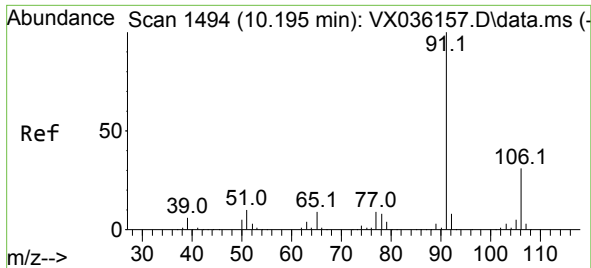
Tgt Ion: 95 Resp: 112219
Ion Ratio Lower Upper
95 100
174 67.0 0.0 135.6
176 64.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036250.D
Acq: 20 Jun 2023 18:02

Tgt Ion: 117 Resp: 225095
Ion Ratio Lower Upper
117 100
82 59.1 46.2 69.4
119 32.8 25.5 38.3

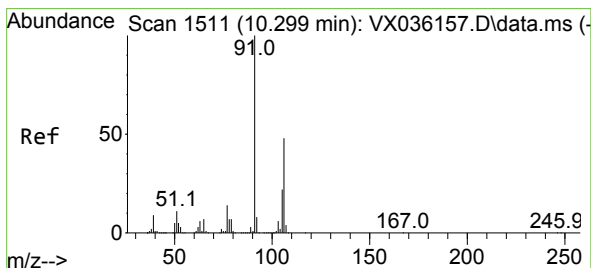
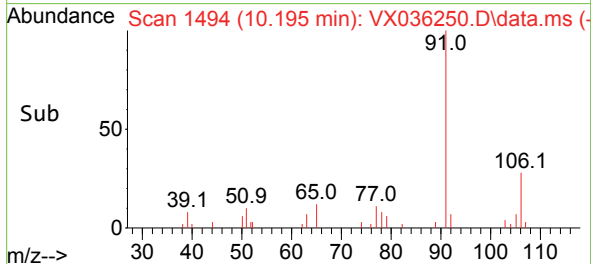
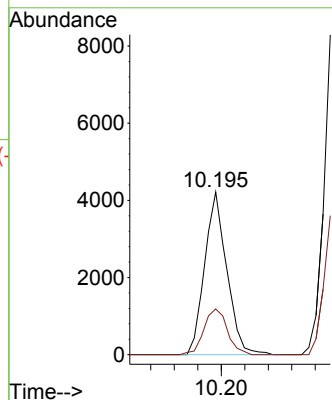
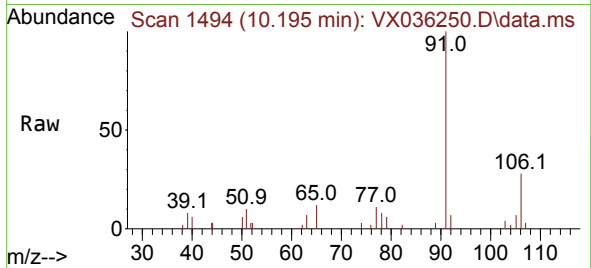




#67
Ethyl Benzene
Concen: 0.662 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036250.D
Acq: 20 Jun 2023 18:02

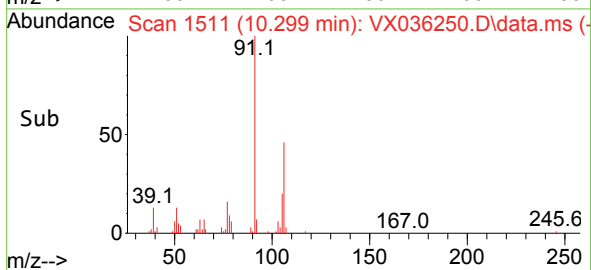
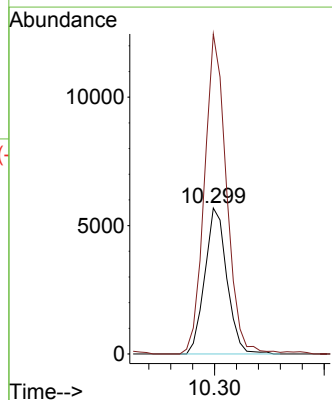
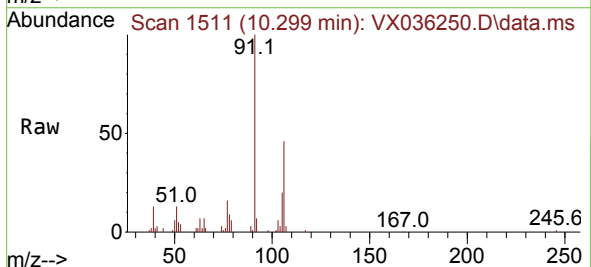
Instrument :
MSVOA_X
ClientSampleId :
TW-1

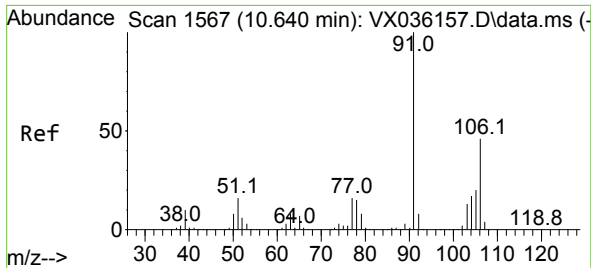
Tgt Ion: 91 Resp: 5516
Ion Ratio Lower Upper
91 100
106 28.1 24.9 37.3



#68
m/p-Xylenes
Concen: 2.527 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX036250.D
Acq: 20 Jun 2023 18:02

Tgt Ion: 106 Resp: 7943
Ion Ratio Lower Upper
106 100
91 218.8 165.5 248.3

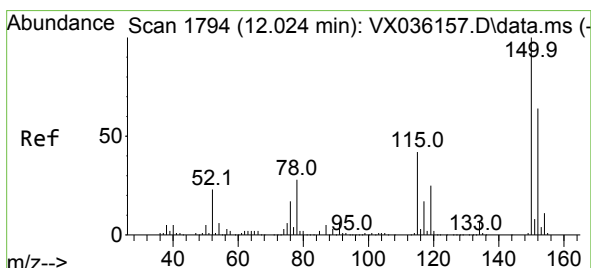
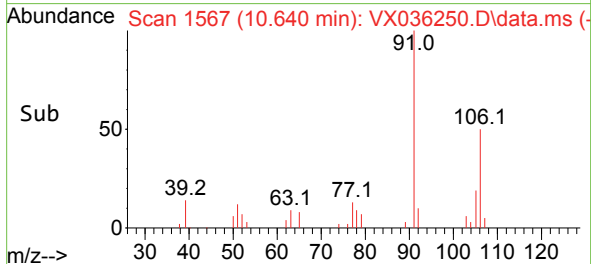
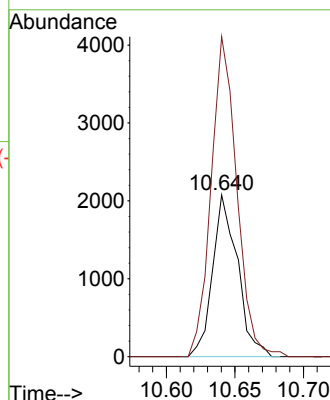
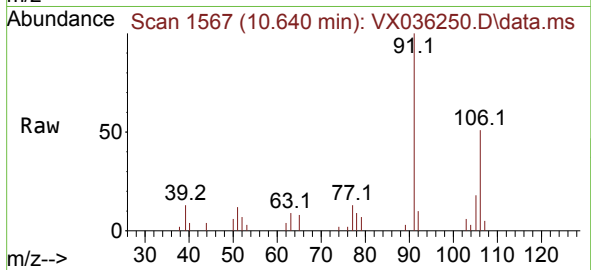




#69
o-Xylene
Concen: 0.849 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036250.D
Acq: 20 Jun 2023 18:02

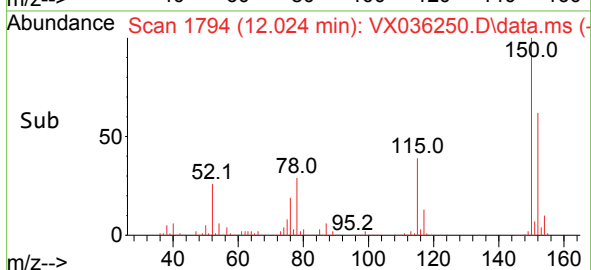
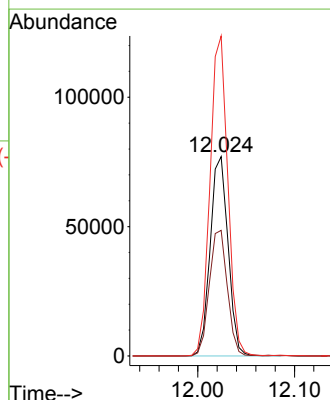
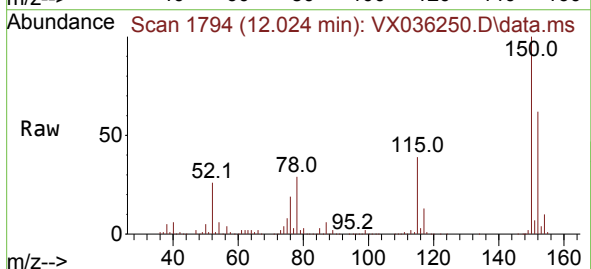
Instrument :
MSVOA_X
ClientSampleId :
TW-1

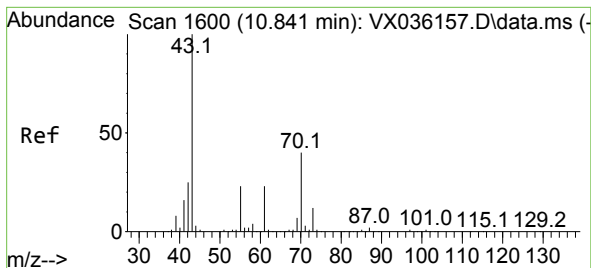
Tgt Ion:106 Resp: 2632
Ion Ratio Lower Upper
106 100
91 203.8 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036250.D
Acq: 20 Jun 2023 18:02

Tgt Ion:152 Resp: 99273
Ion Ratio Lower Upper
152 100
115 63.6 43.3 129.9
150 159.3 0.0 345.0





#74

N-ethyl acetate

Concen: 0.202 ug/l

RT: 10.860 min Scan# 1603

Delta R.T. 0.019 min

Lab File: VX036250.D

Acq: 20 Jun 2023 18:02

Instrument :

MSVOA_X

ClientSampleId :

TW-1

Tgt Ion: 43 Resp: 671

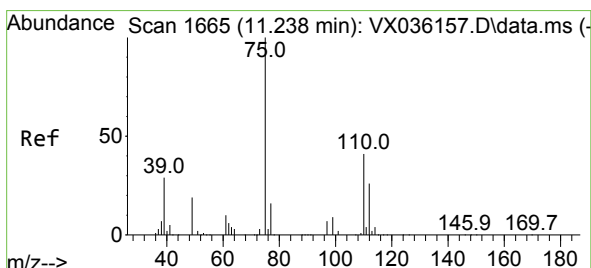
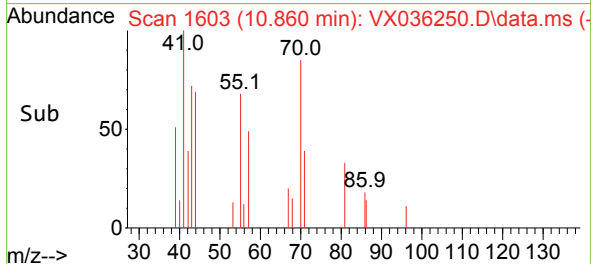
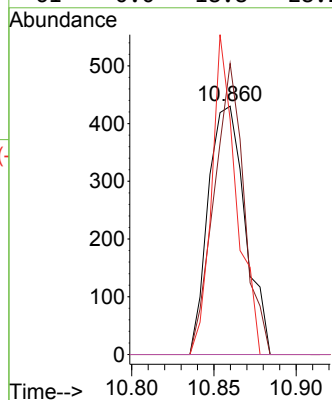
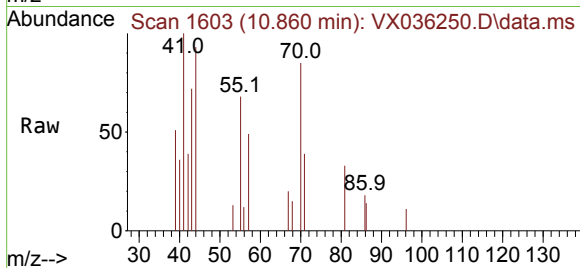
Ion Ratio Lower Upper

43 100

70 95.2 32.9 49.3#

55 85.8 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 26.697 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036250.D

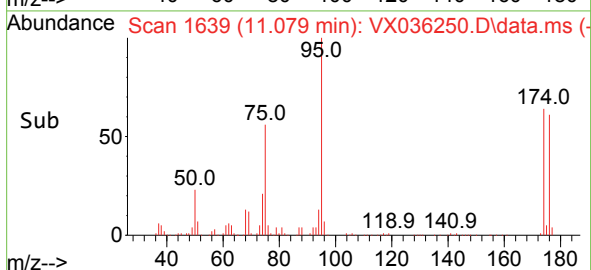
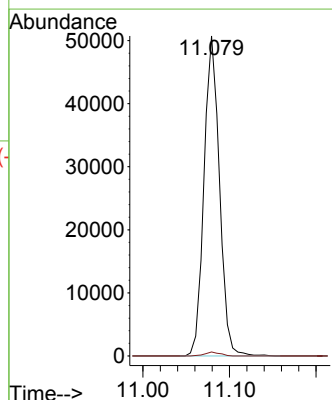
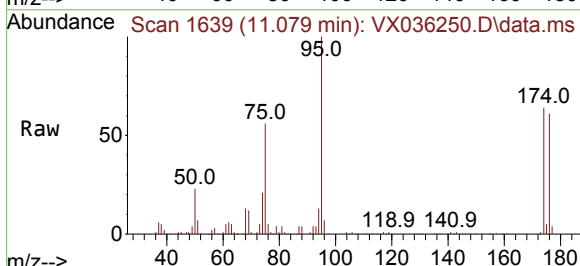
Acq: 20 Jun 2023 18:02

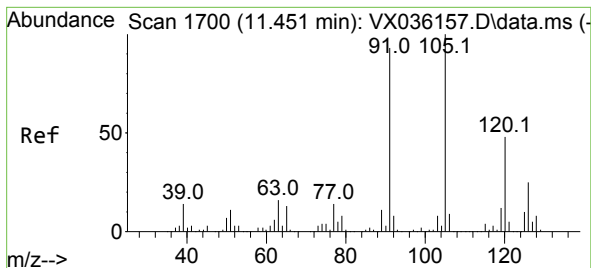
Tgt Ion: 75 Resp: 62898

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#





#80

1,3,5-Trimethylbenzene

Concen: 0.294 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036250.D

Acq: 20 Jun 2023 18:02

Instrument :

MSVOA_X

ClientSampleId :

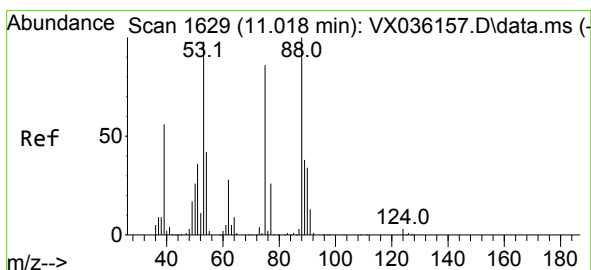
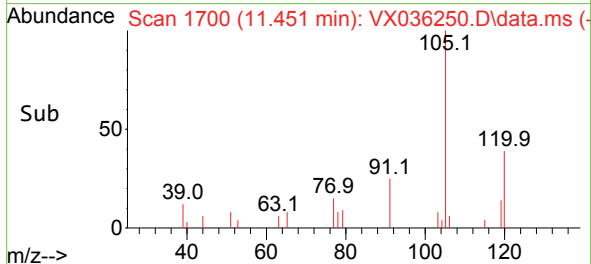
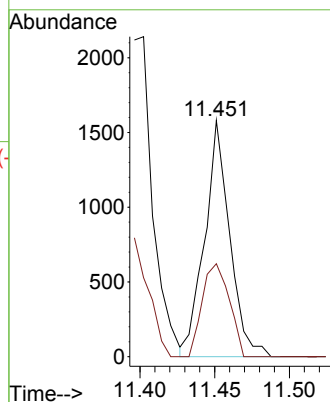
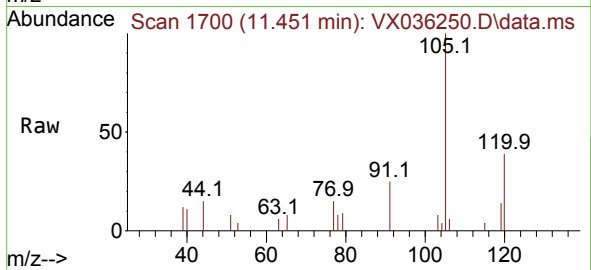
TW-1

Tgt Ion:105 Resp: 1846

Ion Ratio Lower Upper

105 100

120 42.4 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 93.444 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036250.D

Acq: 20 Jun 2023 18:02

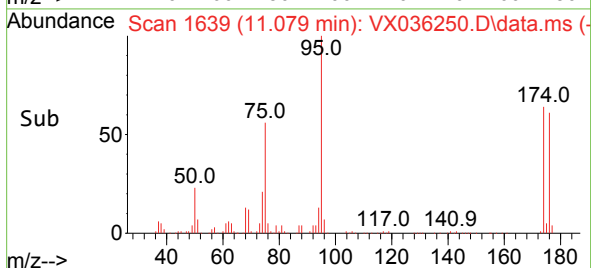
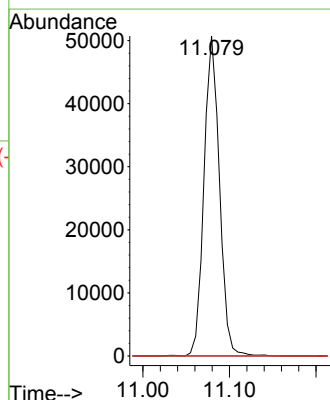
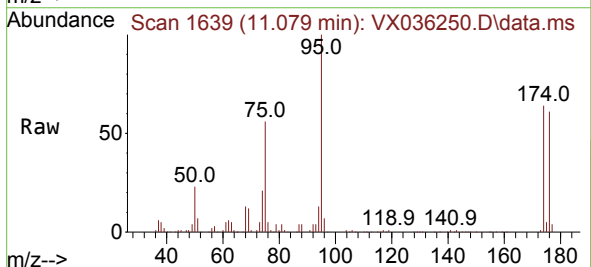
Tgt Ion: 75 Resp: 62898

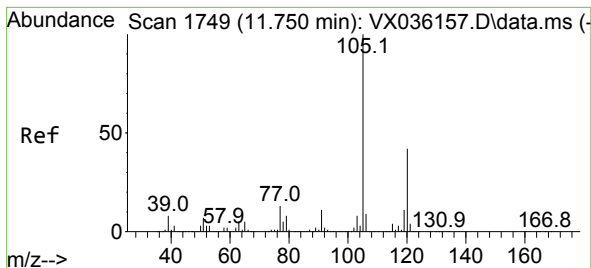
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 1.390 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX036250.D

Acq: 20 Jun 2023 18:02

Instrument :

MSVOA_X

ClientSampleId :

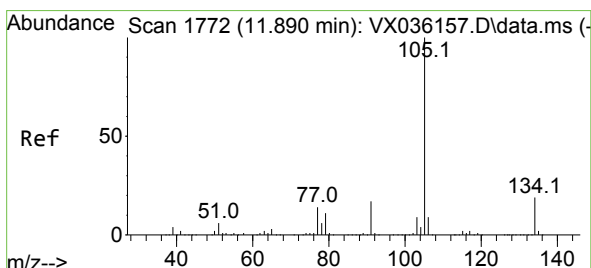
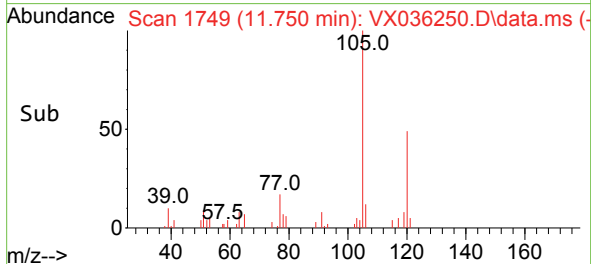
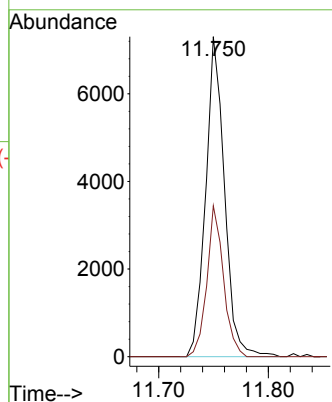
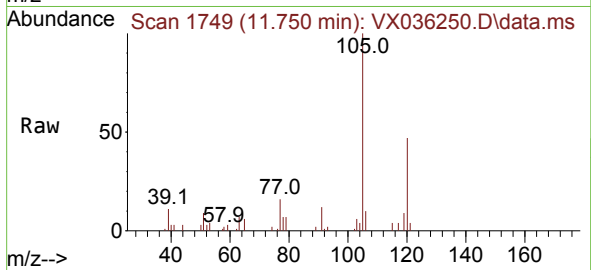
TW-1

Tgt Ion:105 Resp: 8698

Ion Ratio Lower Upper

105 100

120 41.7 21.2 63.6



#85

sec-Butylbenzene

Concen: 1.171 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.140 min

Lab File: VX036250.D

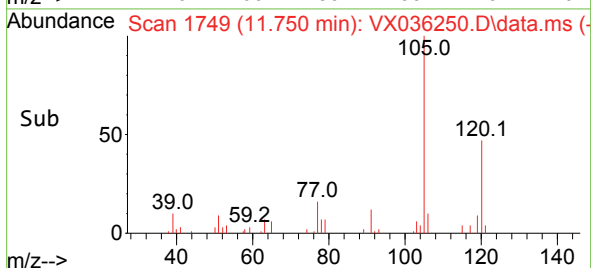
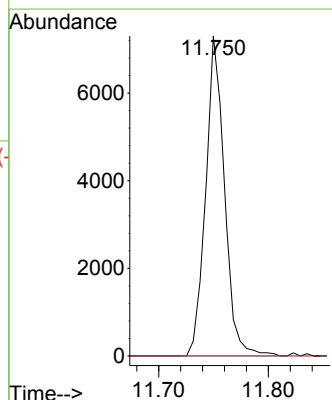
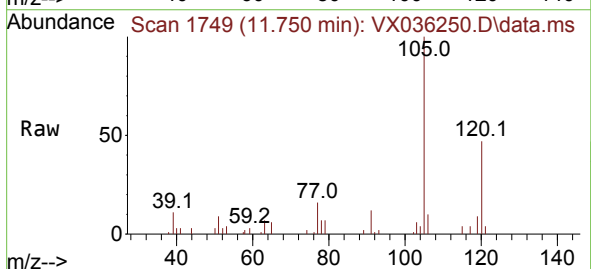
Acq: 20 Jun 2023 18:02

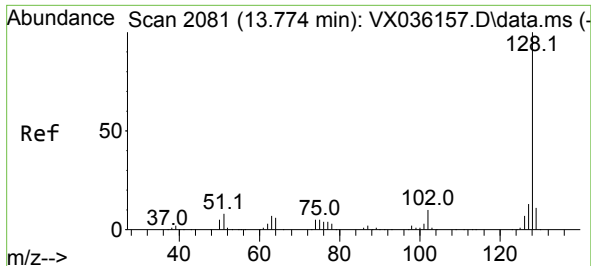
Tgt Ion:105 Resp: 8698

Ion Ratio Lower Upper

105 100

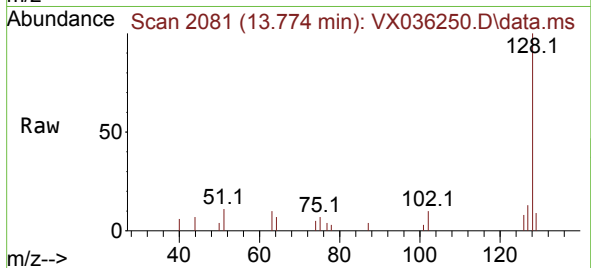
134 0.0 9.8 29.4#





#95
Naphthalene
Concen: 0.467 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX036250.D
Acq: 20 Jun 2023 18:02

Instrument :
MSVOA_X
ClientSampleId :
TW-1



Tgt Ion:	128	Resp:	2947
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	8.9	8.8	13.2

