

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090623\
 Data File : VX037554.D
 Acq On : 06 Sep 2023 15:00
 Operator : JC/MD
 Sample : 04220-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW5

Quant Time: Sep 06 22:46:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

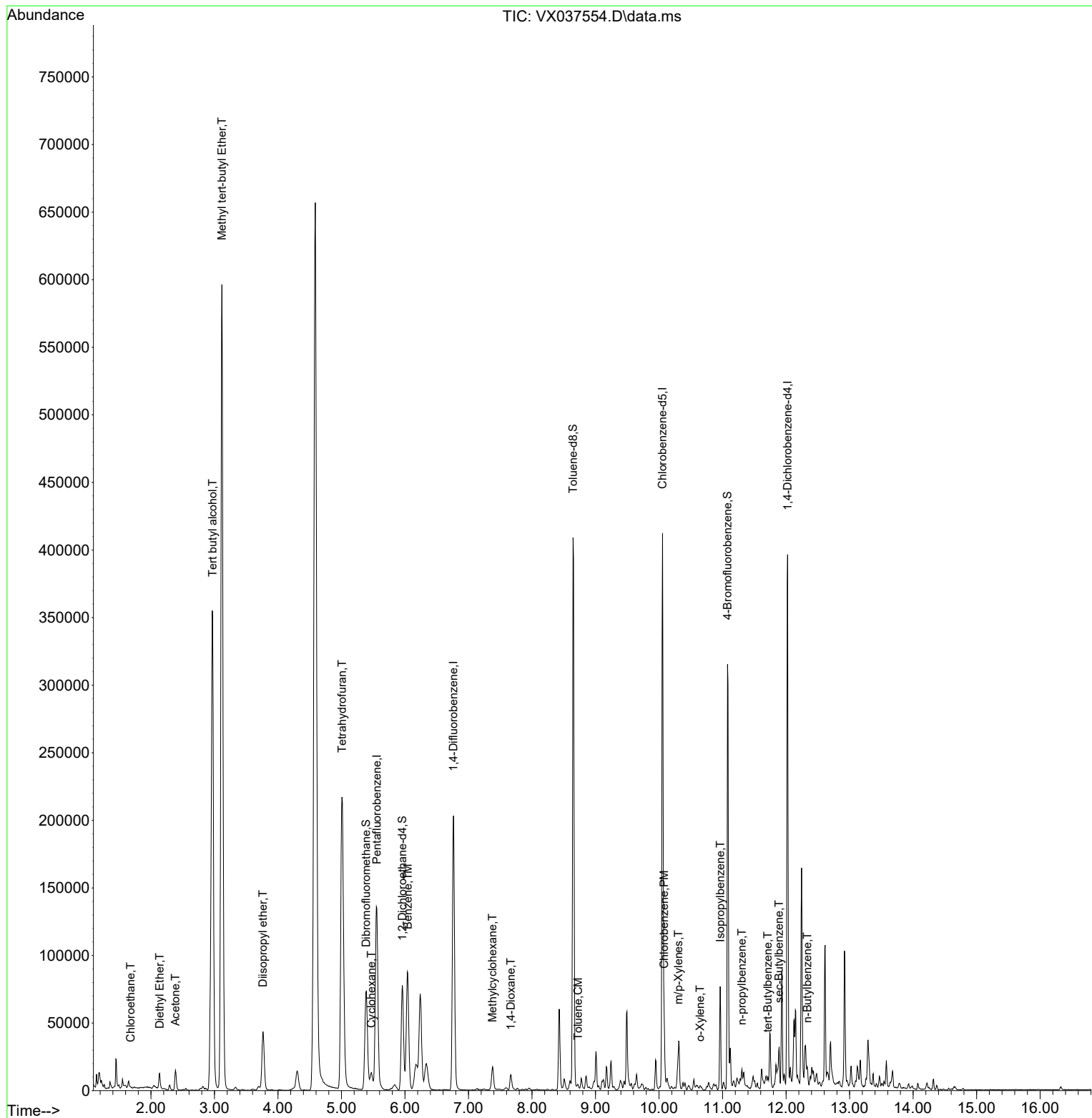
Internal Standards						
1) Pentafluorobenzene	5.556	168	133046	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	217849	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	192373	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	75821	39.529	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	79.060%		
35) Dibromofluoromethane	5.385	113	66500	46.092	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.180%		
50) Toluene-d8	8.647	98	256212	48.957	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.920%		
62) 4-Bromofluorobenzene	11.079	95	91093	44.291	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.580%		
Target Compounds						Qvalue
6) Chloroethane	1.678	64	530	0.612	ug/l	89
8) Diethyl Ether	2.136	74	3953	4.238	ug/l	76
11) Tert butyl alcohol	2.971	59	445535	990.207	ug/l #	95
16) Acetone	2.386	43	11568	15.416	ug/l #	81
19) Methyl tert-butyl Ether	3.117	73	714894	137.631	ug/l	98
22) Diisopropyl ether	3.763	45	45578	10.478	ug/l #	67
29) Tetrahydrofuran	5.007	42	199650	277.086	ug/l #	82
31) Cyclohexane	5.470	56	8512	3.947	ug/l #	81
39) Methylcyclohexane	7.379	83	7988	3.709	ug/l	91
40) Benzene	6.044	78	113584	19.321	ug/l	98
49) 1,4-Dioxane	7.665	88	9647	220.953	ug/l #	89
52) Toluene	8.726	92	1280	0.330	ug/l	99
65) Chlorobenzene	10.079	112	20331	5.000	ug/l	96
68) m/p-Xylenes	10.305	106	1355	0.490	ug/l	93
69) o-Xylene	10.646	106	641	0.235	ug/l	93
73) Isopropylbenzene	10.963	105	40109	6.541	ug/l	99
78) n-propylbenzene	11.305	91	2066	0.303	ug/l	97
83) tert-Butylbenzene	11.713	119	1361	0.279	ug/l	77
85) sec-Butylbenzene	11.890	105	7926	1.391	ug/l	97
89) n-Butylbenzene	12.335	91	4484	1.103	ug/l #	70

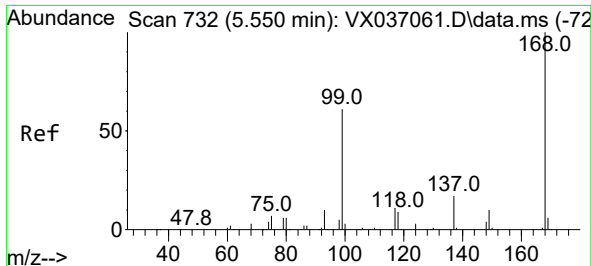
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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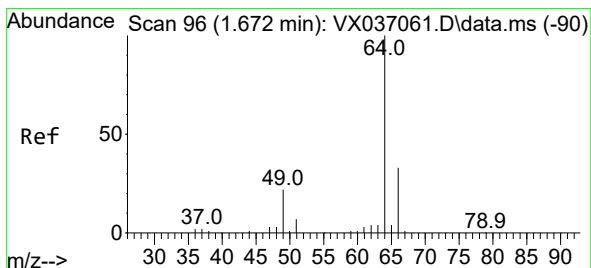
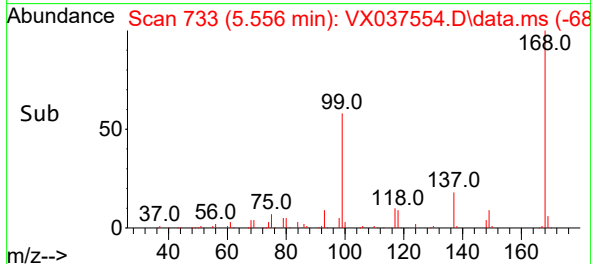
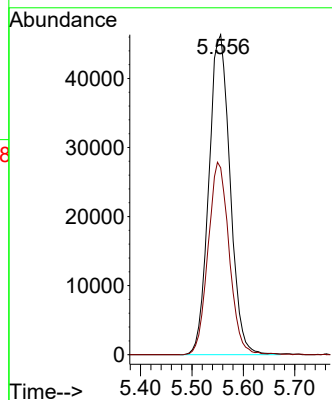
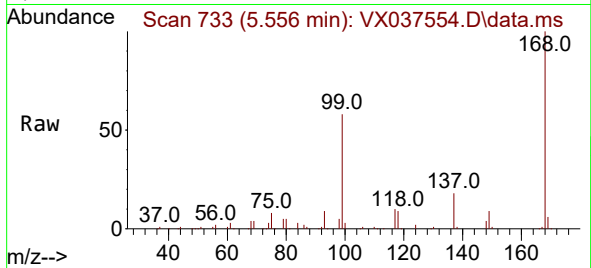




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037554.D
Acq: 06 Sep 2023 15:00

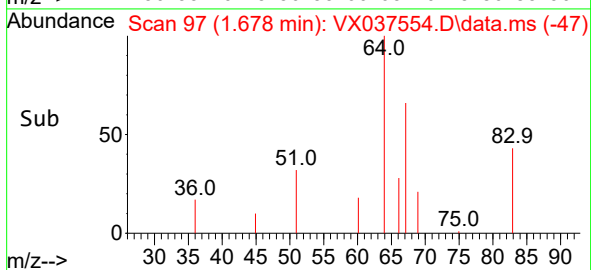
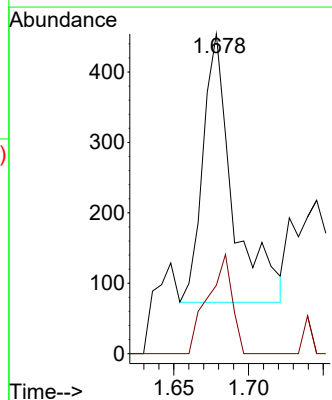
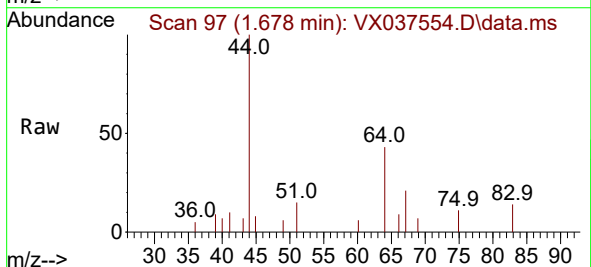
Instrument :
MSVOA_X
ClientSampleId :
MW5

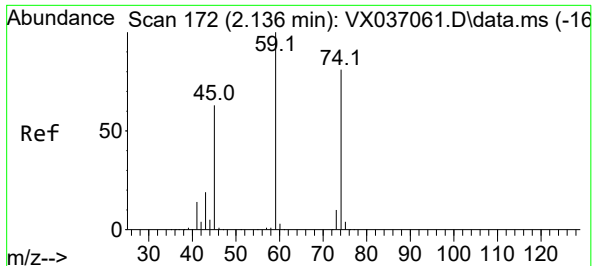
Tgt Ion:168 Resp: 133046
Ion Ratio Lower Upper
168 100
99 58.4 56.6 85.0



#6
Chloroethane
Concen: 0.612 ug/l
RT: 1.678 min Scan# 97
Delta R.T. 0.006 min
Lab File: VX037554.D
Acq: 06 Sep 2023 15:00

Tgt Ion: 64 Resp: 530
Ion Ratio Lower Upper
64 100
66 25.5 25.1 37.7

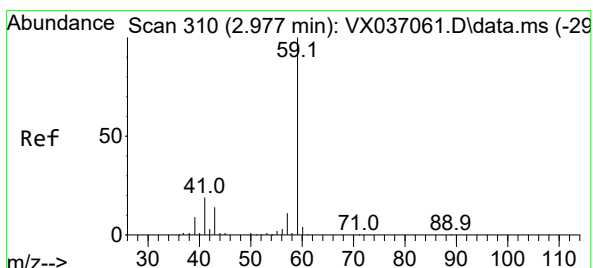
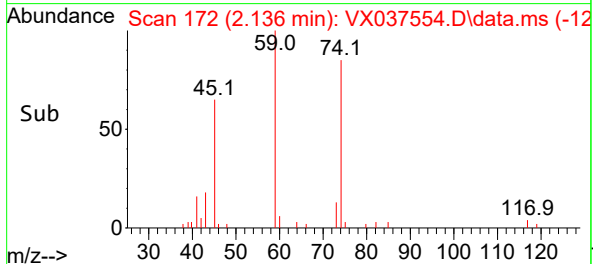
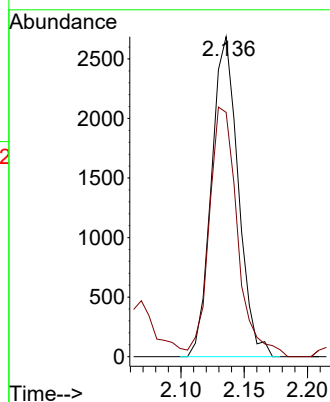
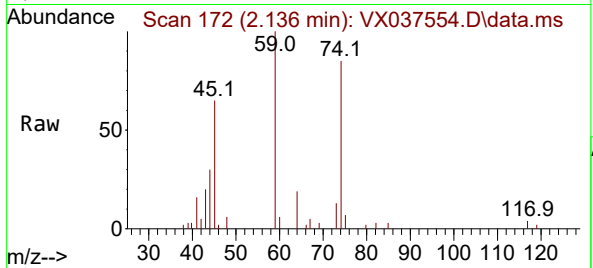




#8
Diethyl Ether
Concen: 4.238 ug/l
RT: 2.136 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX037554.D
Acq: 06 Sep 2023 15:00

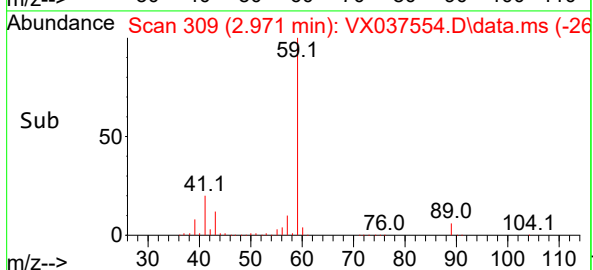
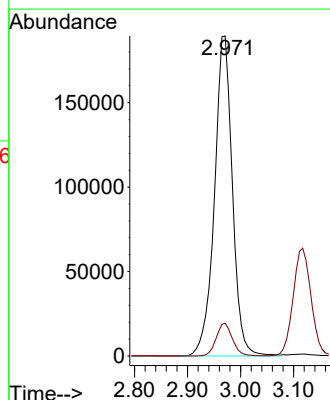
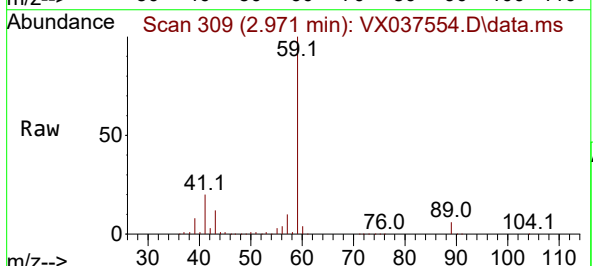
Instrument :
MSVOA_X
ClientSampleId :
MW5

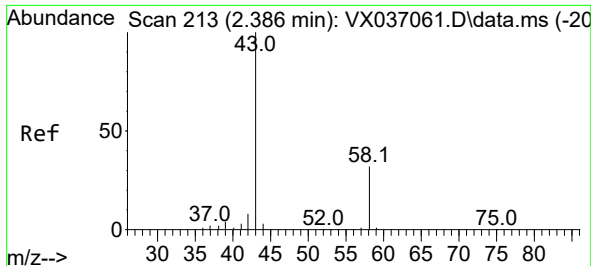
Tgt Ion: 74 Resp: 3953
Ion Ratio Lower Upper
74 100
45 81.8 53.3 159.8



#11
Tert butyl alcohol
Concen: 990.207 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX037554.D
Acq: 06 Sep 2023 15:00

Tgt Ion: 59 Resp: 445535
Ion Ratio Lower Upper
59 100
57 9.3 6.0 9.0#

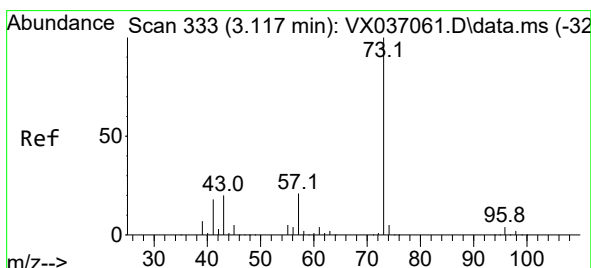
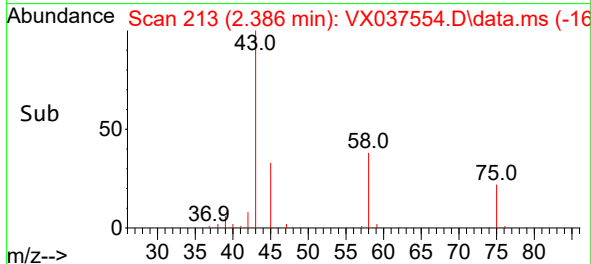
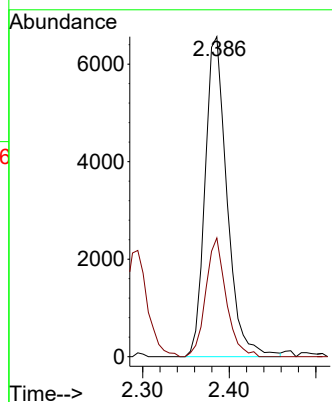
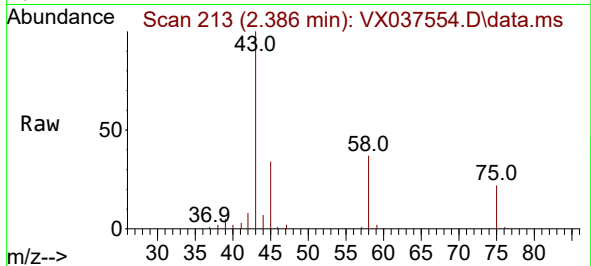




#16
Acetone
Concen: 15.416 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX037554.D
Acq: 06 Sep 2023 15:00

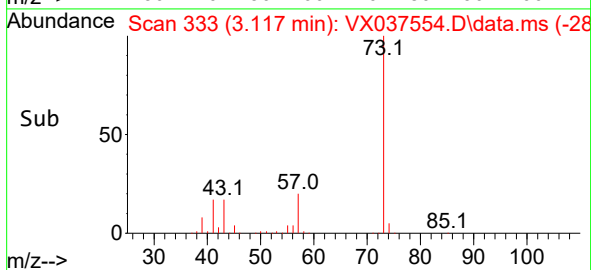
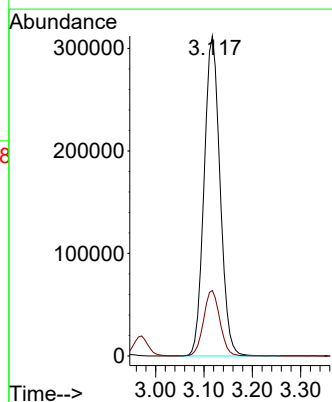
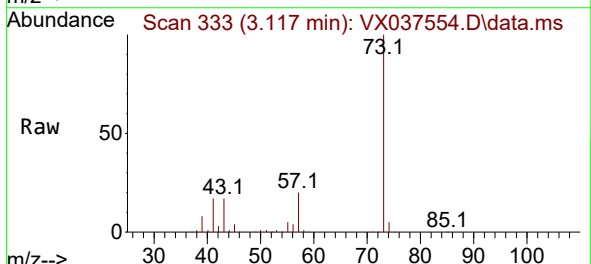
Instrument :
MSVOA_X
ClientSampleId :
MW5

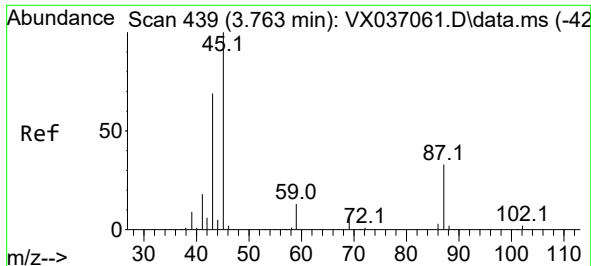
Tgt Ion: 43 Resp: 11568
Ion Ratio Lower Upper
43 100
58 37.1 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 137.631 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX037554.D
Acq: 06 Sep 2023 15:00

Tgt Ion: 73 Resp: 714894
Ion Ratio Lower Upper
73 100
57 20.4 17.3 25.9

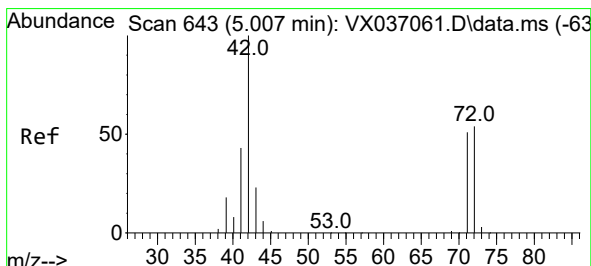
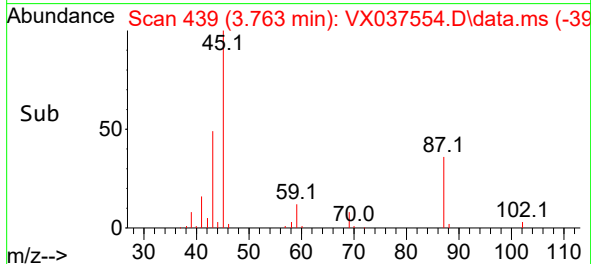
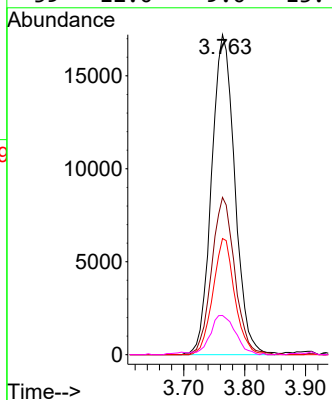
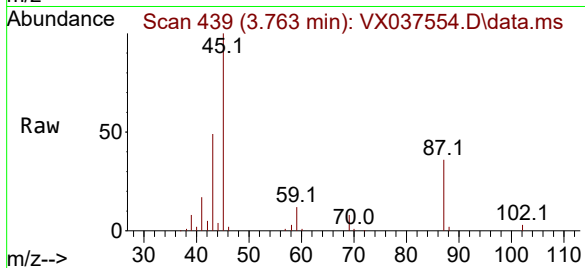




#22
Diisopropyl ether
Concen: 10.478 ug/l
RT: 3.763 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX037554.D
Acq: 06 Sep 2023 15:00

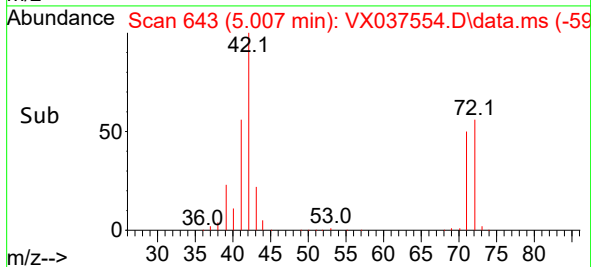
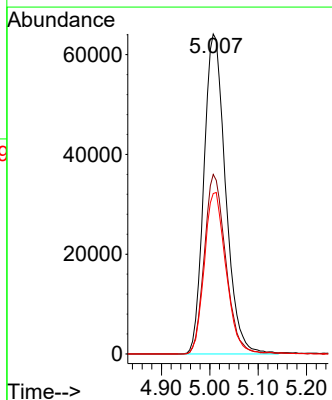
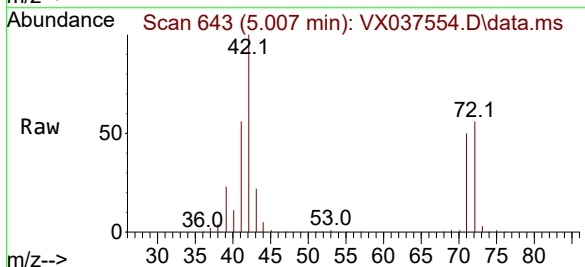
Instrument :
MSVOA_X
ClientSampleId :
MW5

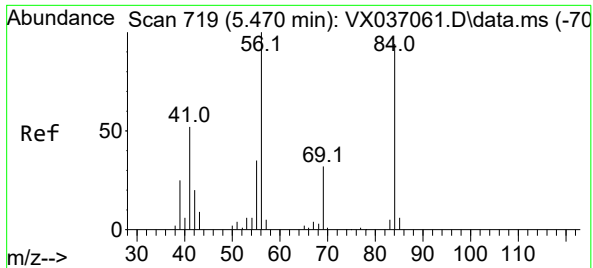
Tgt Ion:	45	Resp:	45578
Ion	Ratio	Lower	Upper
45	100		
43	49.2	69.7	104.5#
87	36.3	20.8	31.2#
59	12.0	9.0	13.4



#29
Tetrahydrofuran
Concen: 277.086 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.000 min
Lab File: VX037554.D
Acq: 06 Sep 2023 15:00

Tgt Ion:	42	Resp:	199650
Ion	Ratio	Lower	Upper
42	100		
72	55.2	34.2	51.4#
71	50.4	32.2	48.2#

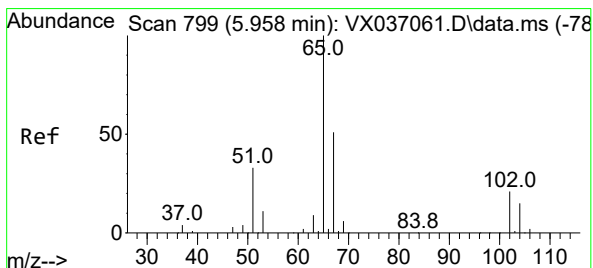
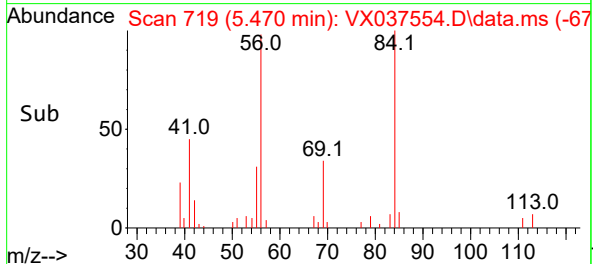
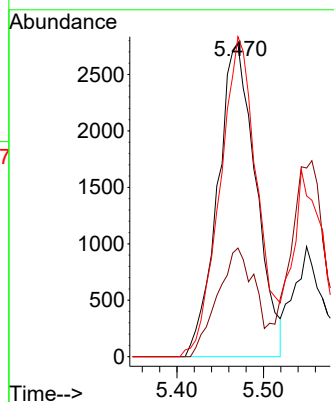
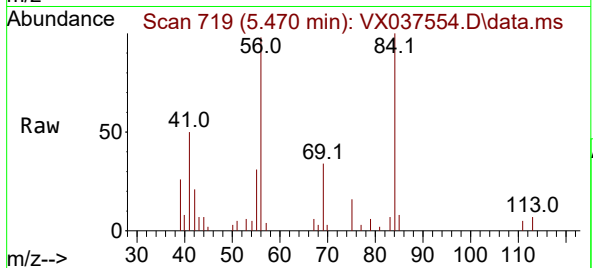




#31
Cyclohexane
Concen: 3.947 ug/l
RT: 5.470 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX037554.D
Acq: 06 Sep 2023 15:00

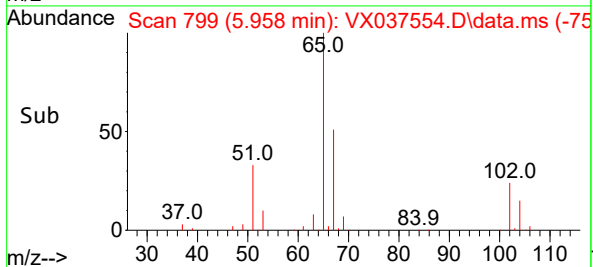
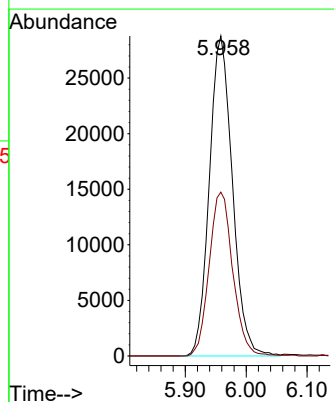
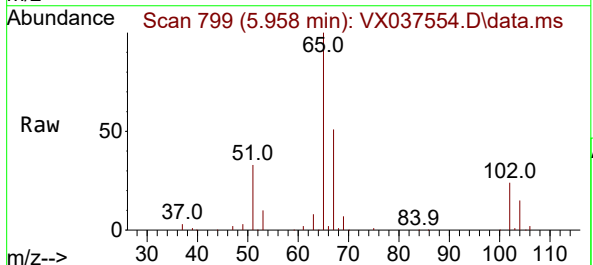
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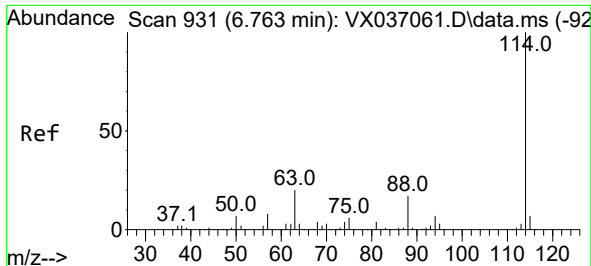
Tgt Ion: 56 Resp: 8512
Ion Ratio Lower Upper
56 100
69 34.8 23.4 35.2
84 102.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 39.529 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037554.D
Acq: 06 Sep 2023 15:00

Tgt Ion: 65 Resp: 75821
Ion Ratio Lower Upper
65 100
67 52.4 0.0 100.2

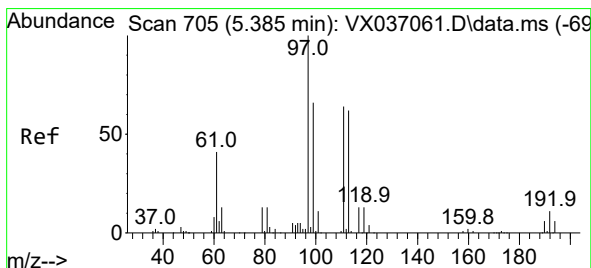
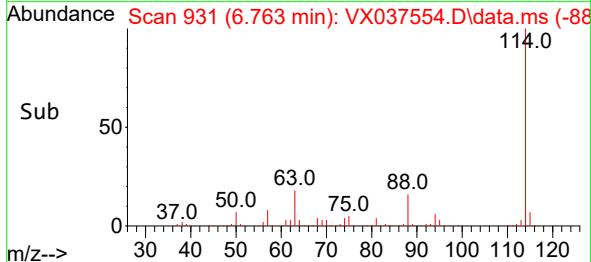
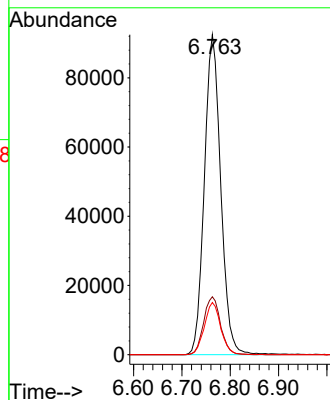
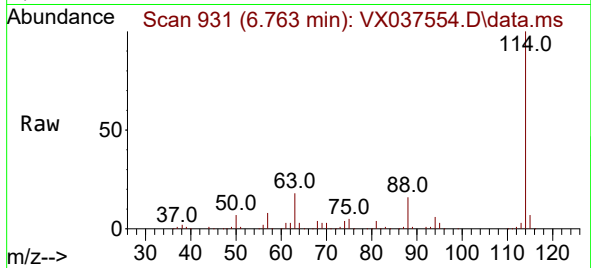




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX037554.D
Acq: 06 Sep 2023 15:00

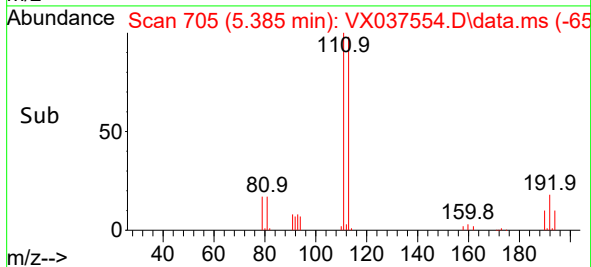
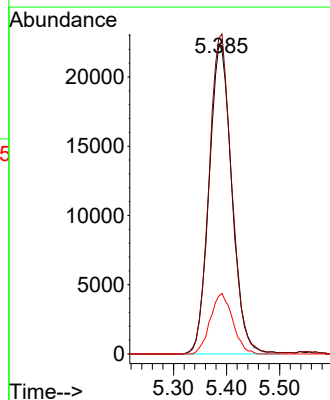
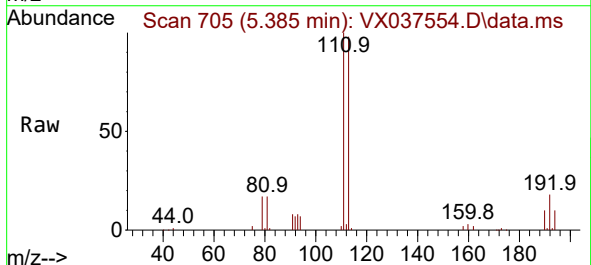
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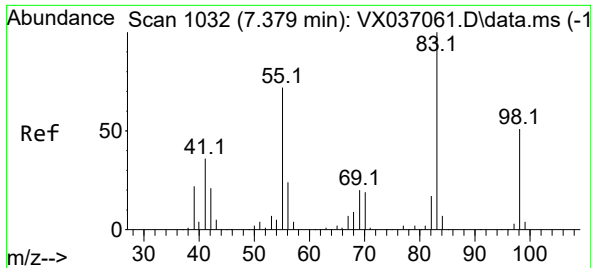
Tgt Ion:114 Resp: 217849
Ion Ratio Lower Upper
114 100
63 18.1 0.0 45.0
88 16.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.092 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037554.D
Acq: 06 Sep 2023 15:00

Tgt Ion:113 Resp: 66500
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 19.3 13.3 19.9

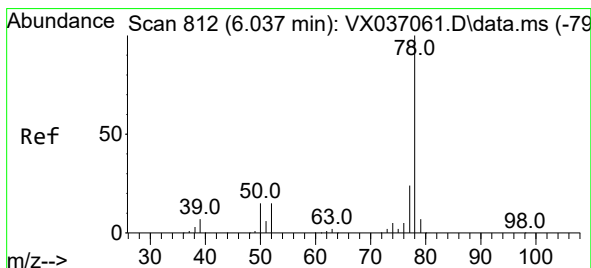
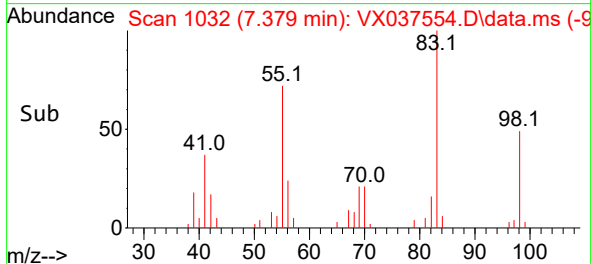
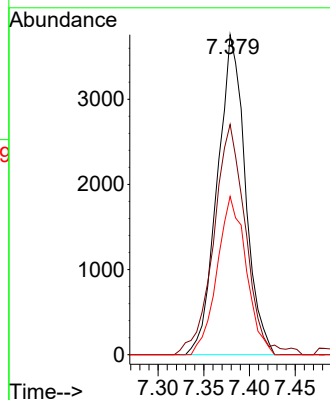
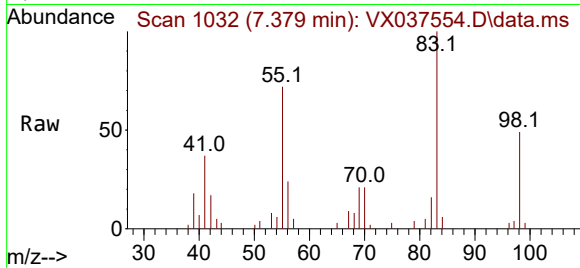




#39
Methylcyclohexane
Concen: 3.709 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX037554.D
Acq: 06 Sep 2023 15:00

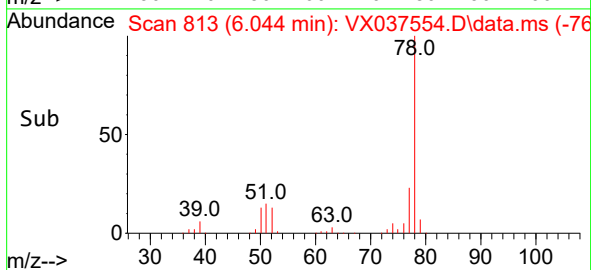
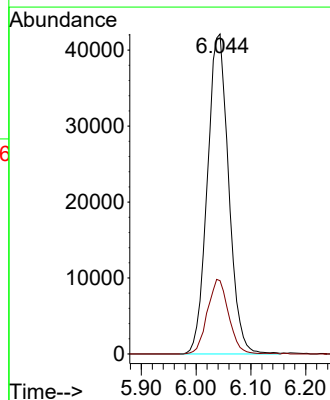
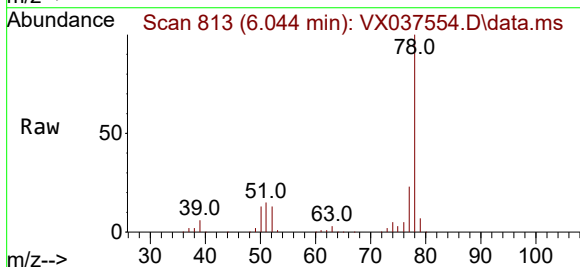
Instrument :
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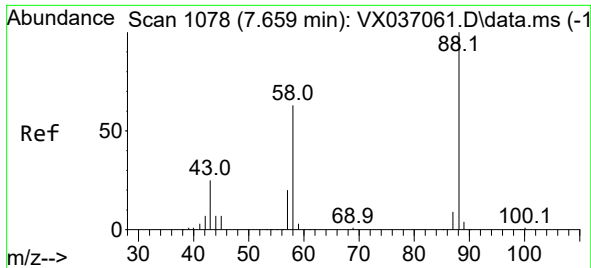
Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.6	64.6	97.0
98	49.4	36.7	55.1



#40
Benzene
Concen: 19.321 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX037554.D
Acq: 06 Sep 2023 15:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.3	28.9





#49

1,4-Dioxane

Concen: 220.953 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX037554.D

Acq: 06 Sep 2023 15:00

Instrument :

MSVOA_X

ClientSampleId :

MW5

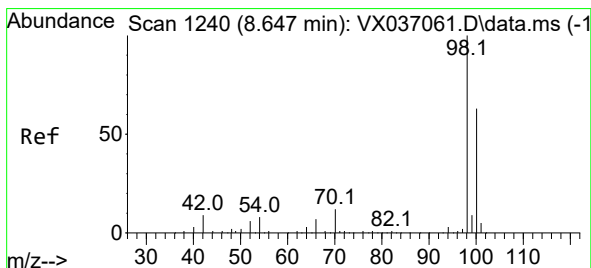
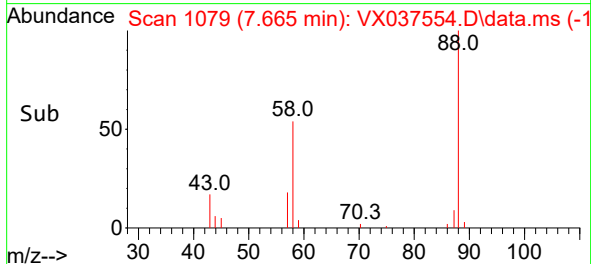
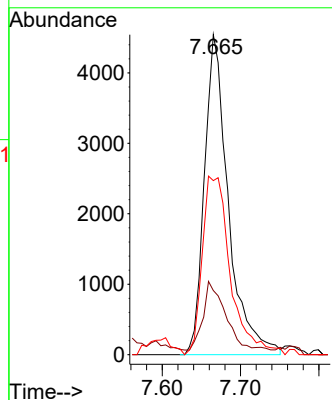
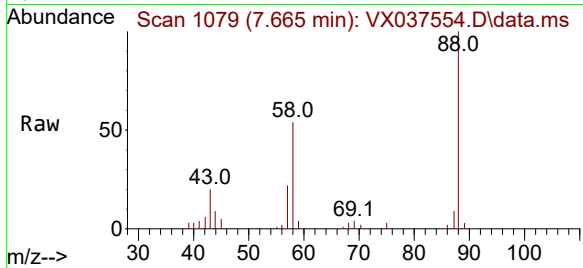
Tgt Ion: 88 Resp: 9647

Ion Ratio Lower Upper

88 100

43 19.8 0.0 0.0#

58 65.3 60.1 90.1



#50

Toluene-d8

Concen: 48.957 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX037554.D

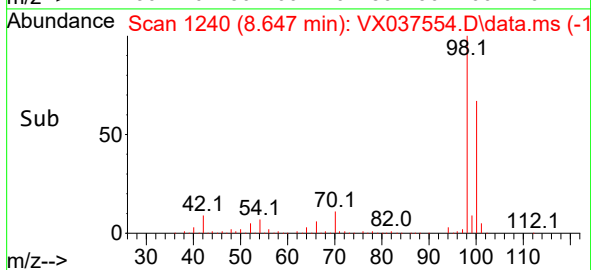
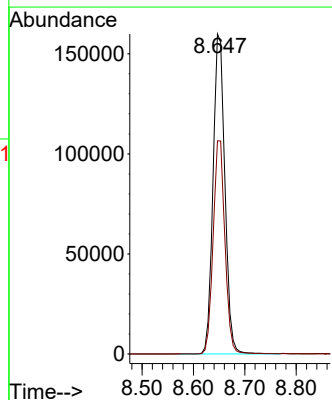
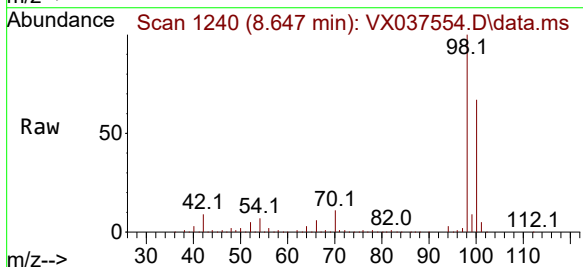
Acq: 06 Sep 2023 15:00

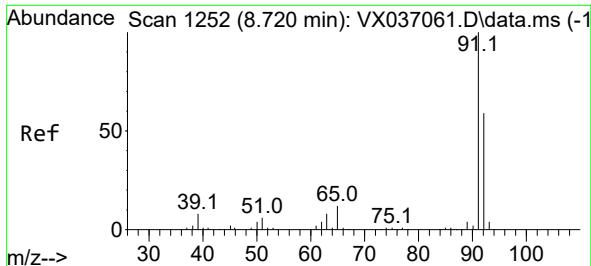
Tgt Ion: 98 Resp: 256212

Ion Ratio Lower Upper

98 100

100 66.5 53.1 79.7

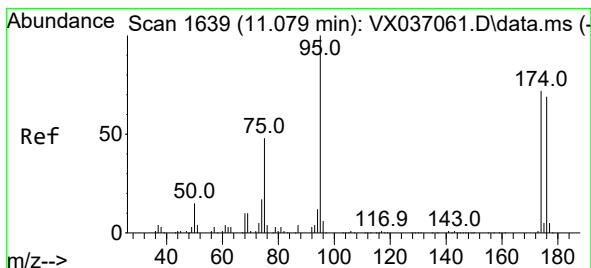
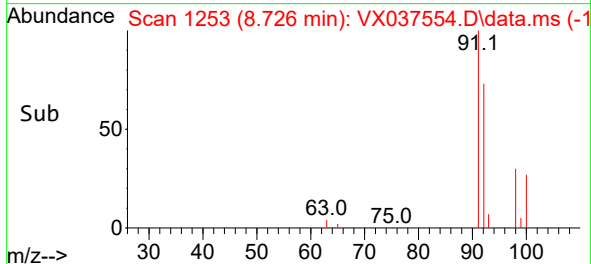
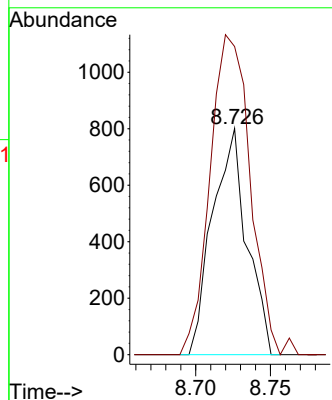
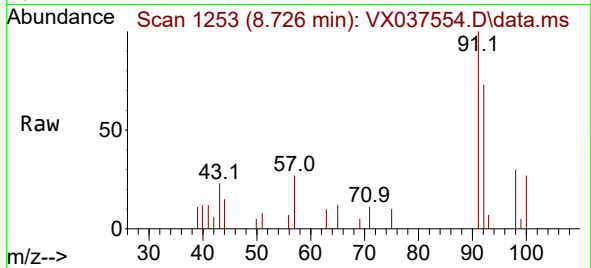




#52
Toluene
Concen: 0.330 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037554.D
Acq: 06 Sep 2023 15:00

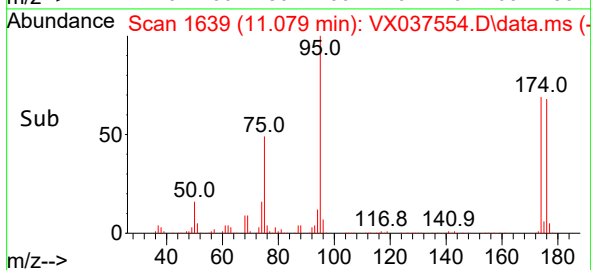
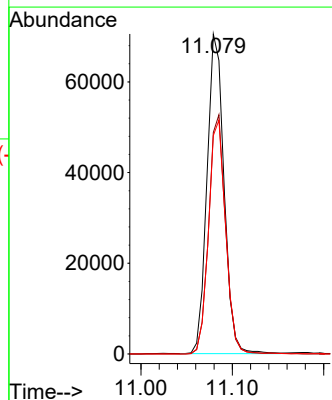
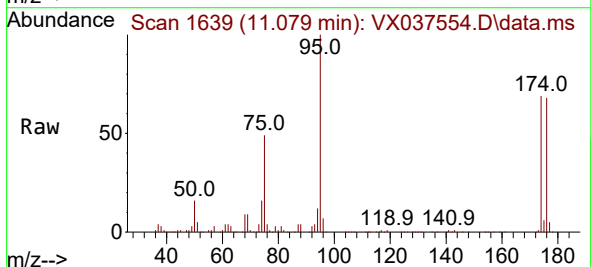
Instrument :
MSVOA_X
ClientSampleId :
MW5

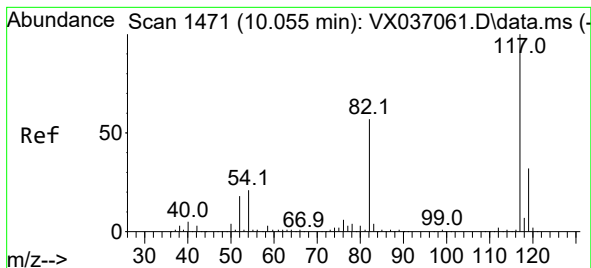
Tgt Ion: 92 Resp: 1280
Ion Ratio Lower Upper
92 100
91 166.4 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 44.291 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037554.D
Acq: 06 Sep 2023 15:00

Tgt Ion: 95 Resp: 91093
Ion Ratio Lower Upper
95 100
174 74.0 0.0 135.6
176 73.5 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: VX037554.D

Acq: 06 Sep 2023 15:00

Instrument :

MSVOA_X

ClientSampleId :

MW5

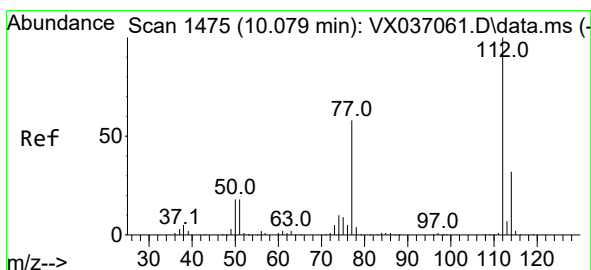
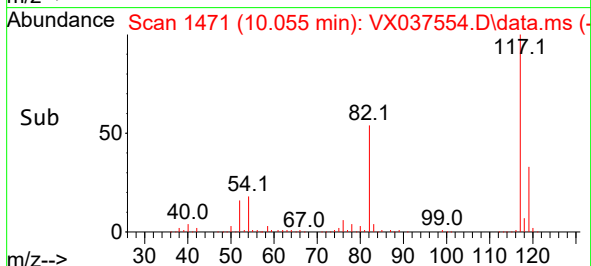
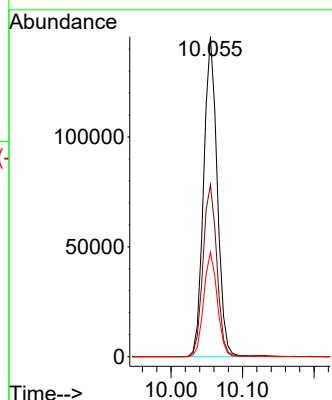
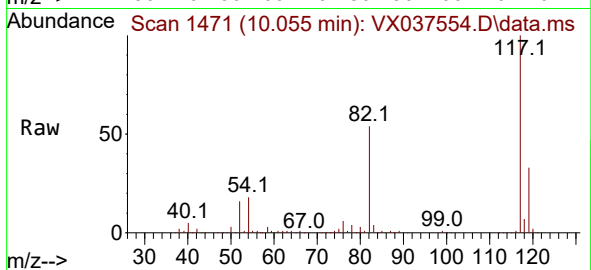
Tgt Ion:117 Resp: 192373

Ion Ratio Lower Upper

117 100

82 53.7 46.2 69.4

119 32.7 25.5 38.3



#65

Chlorobenzene

Concen: 5.000 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX037554.D

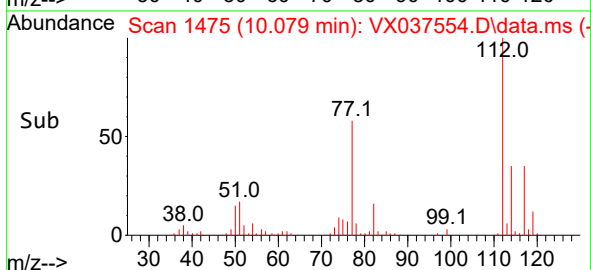
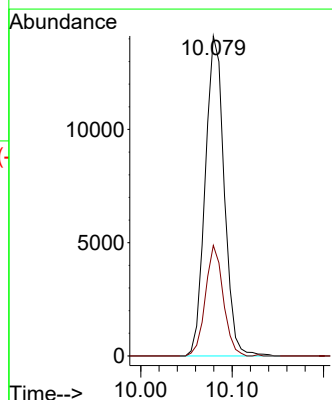
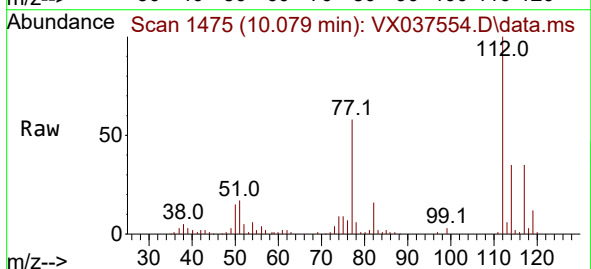
Acq: 06 Sep 2023 15:00

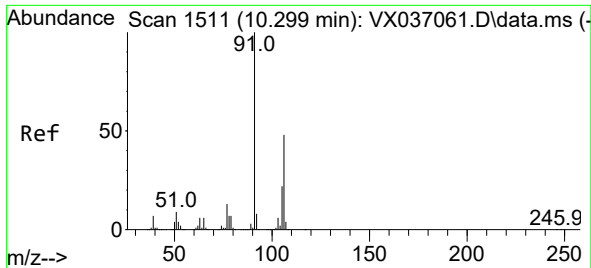
Tgt Ion:112 Resp: 20331

Ion Ratio Lower Upper

112 100

114 34.5 25.7 38.5

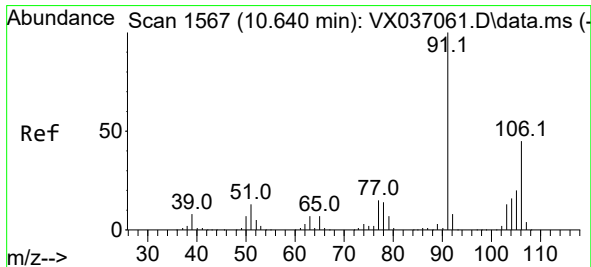
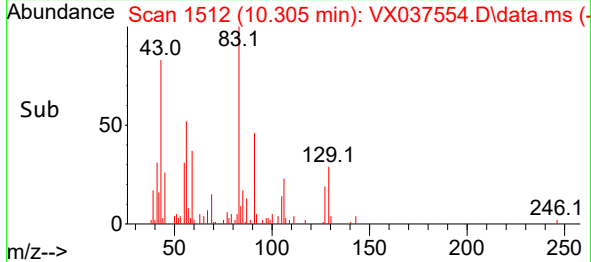
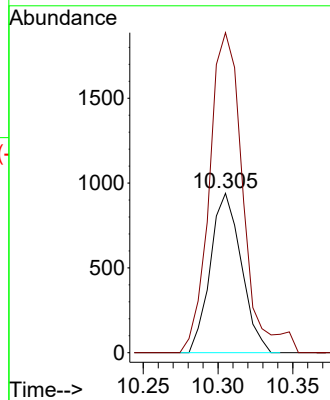
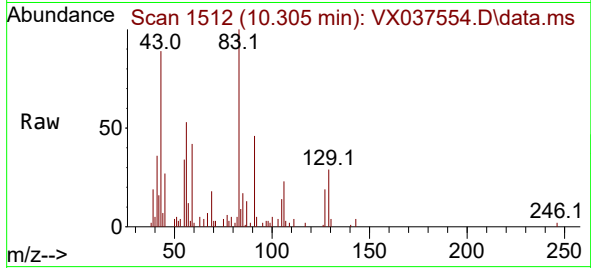




#68
m/p-Xylenes
Concen: 0.490 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX037554.D
Acq: 06 Sep 2023 15:00

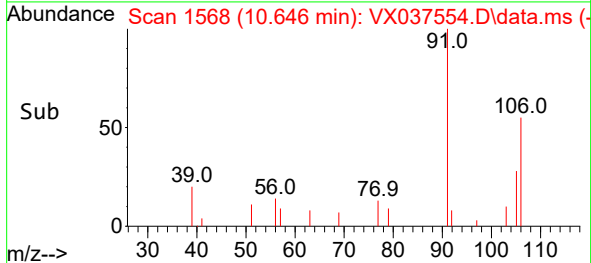
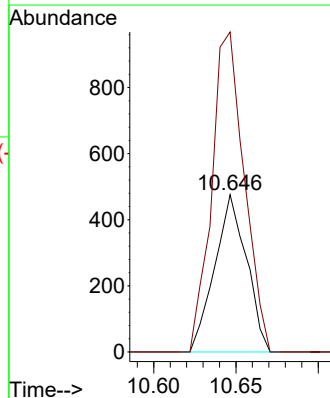
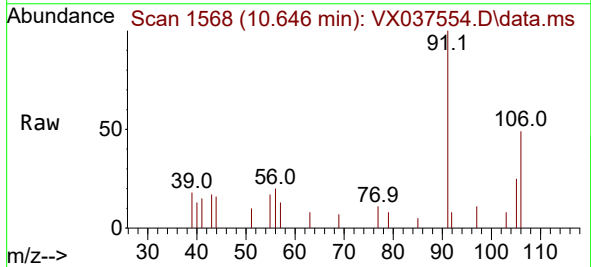
Instrument :
MSVOA_X
ClientSampleId :
MW5

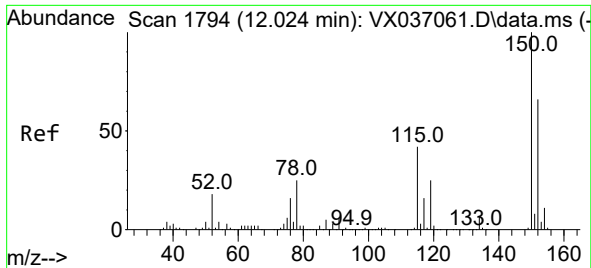
Tgt Ion:106 Resp: 1355
Ion Ratio Lower Upper
106 100
91 217.3 165.5 248.3



#69
o-Xylene
Concen: 0.235 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX037554.D
Acq: 06 Sep 2023 15:00

Tgt Ion:106 Resp: 641
Ion Ratio Lower Upper
106 100
91 207.5 108.9 326.8

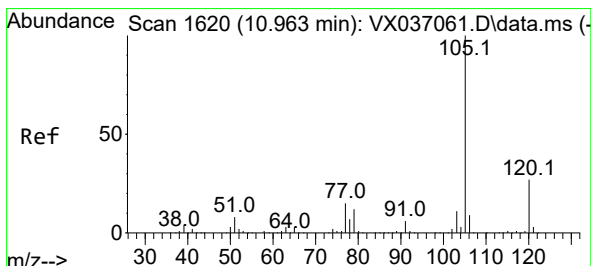
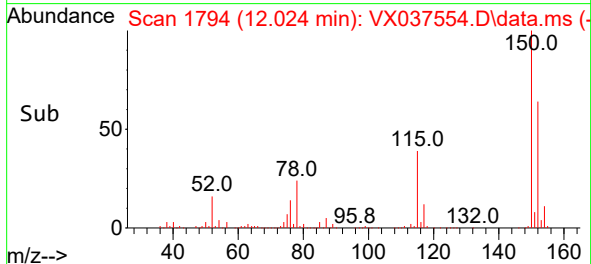
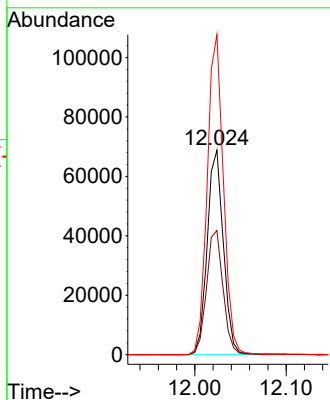
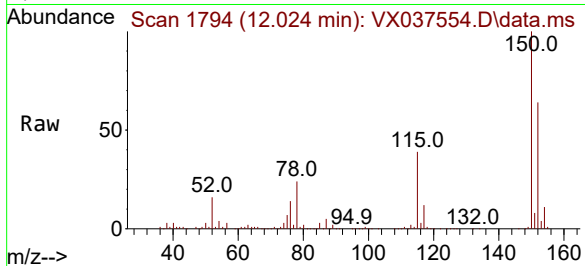




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX037554.D
 Acq: 06 Sep 2023 15:00

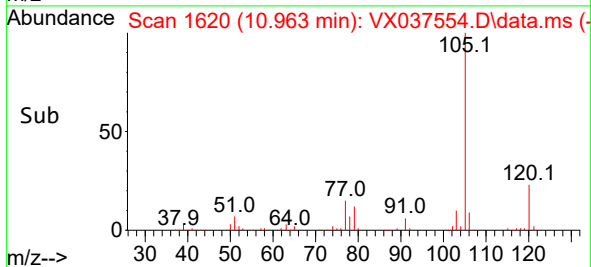
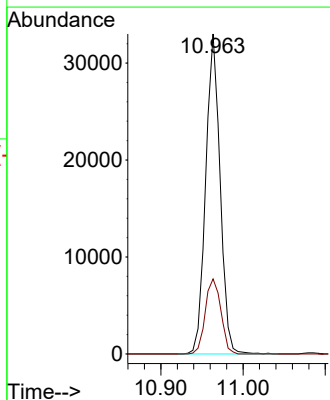
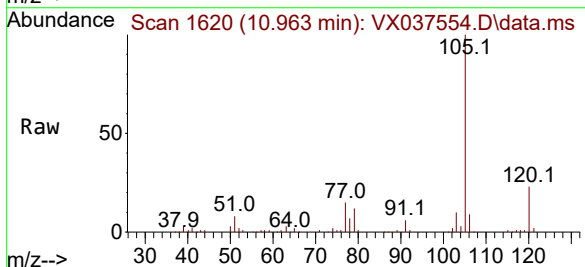
Instrument :
 MSVOA_X
 ClientSampleId :
 MW5

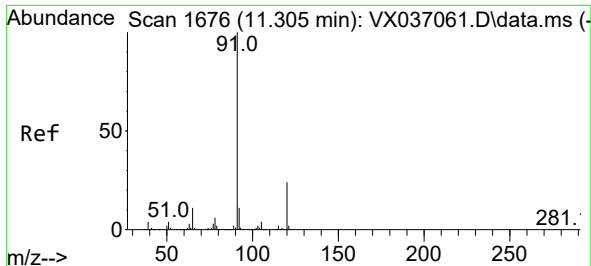
Tgt Ion:152 Resp: 84363
 Ion Ratio Lower Upper
 152 100
 115 62.2 43.3 129.9
 150 156.3 0.0 345.0



#73
 Isopropylbenzene
 Concen: 6.541 ug/l
 RT: 10.963 min Scan# 1620
 Delta R.T. 0.000 min
 Lab File: VX037554.D
 Acq: 06 Sep 2023 15:00

Tgt Ion:105 Resp: 40109
 Ion Ratio Lower Upper
 105 100
 120 25.4 12.9 38.6

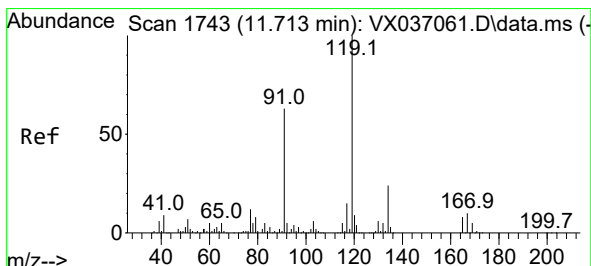
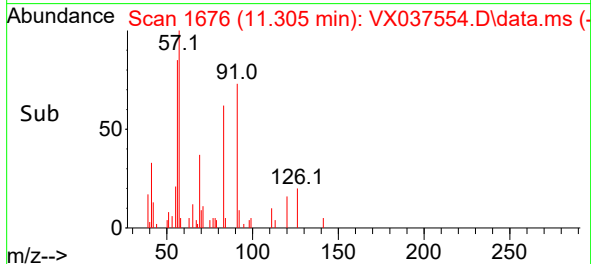
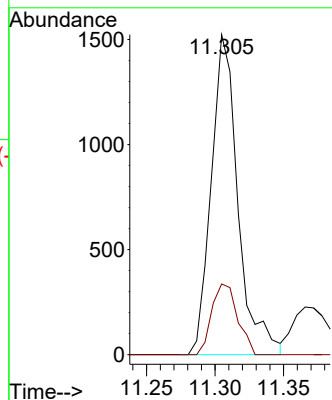
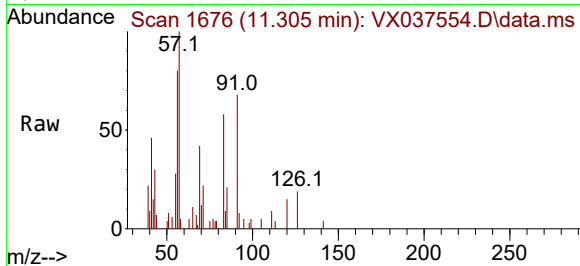




#78
n-propylbenzene
Concen: 0.303 ug/l
RT: 11.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037554.D
Acq: 06 Sep 2023 15:00

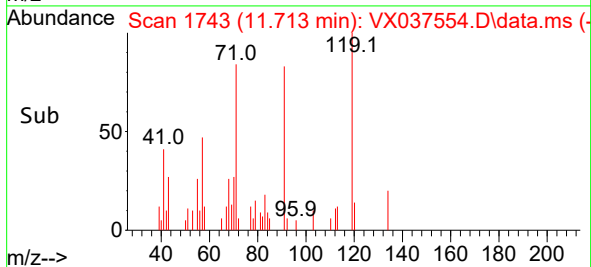
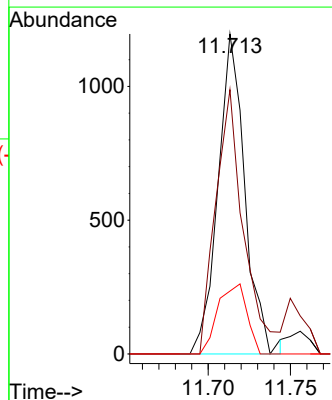
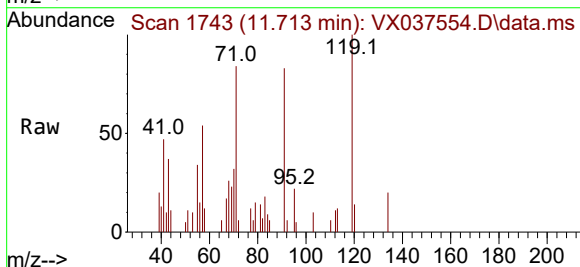
Instrument :
MSVOA_X
ClientSampleId :
MW5

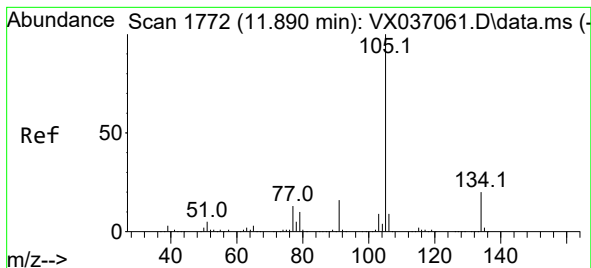
Tgt Ion: 91 Resp: 2066
Ion Ratio Lower Upper
91 100
120 21.3 11.5 34.4



#83
tert-Butylbenzene
Concen: 0.279 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX037554.D
Acq: 06 Sep 2023 15:00

Tgt Ion: 119 Resp: 1361
Ion Ratio Lower Upper
119 100
91 86.3 31.2 93.6
134 23.4 11.7 35.0





#85

sec-Butylbenzene

Concen: 1.391 ug/l

RT: 11.890 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX037554.D

Acq: 06 Sep 2023 15:00

Instrument :

MSVOA_X

ClientSampleId :

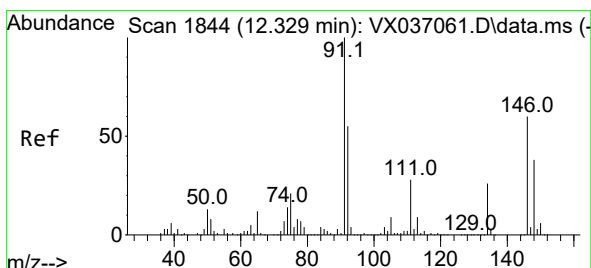
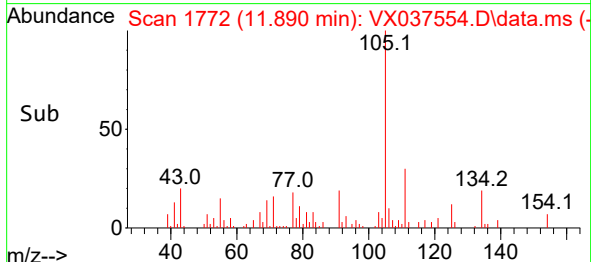
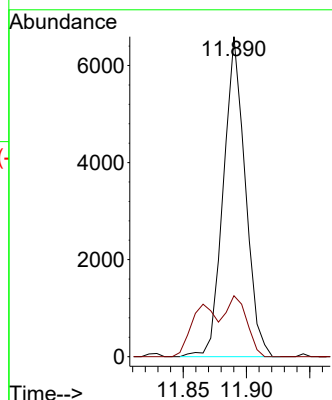
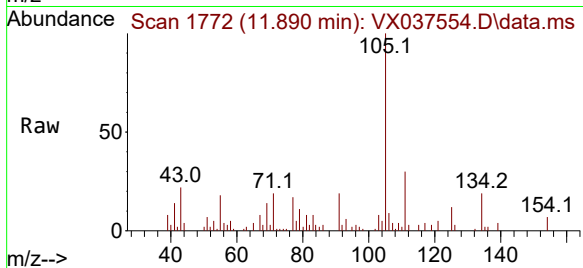
MW5

Tgt Ion:105 Resp: 7926

Ion Ratio Lower Upper

105 100

134 18.3 9.8 29.4



#89

n-Butylbenzene

Concen: 1.103 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX037554.D

Acq: 06 Sep 2023 15:00

Tgt Ion: 91 Resp: 4484

Ion Ratio Lower Upper

91 100

92 40.2 27.4 82.0

134 50.6 12.6 37.8#

