

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083023\
 Data File : VX037398.D
 Acq On : 30 Aug 2023 18:56
 Operator : JC/MD
 Sample : 04201-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1717

Quant Time: Aug 31 02:28:45 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

Manual Integrations APPROVED

Reviewed By : John Carlone 08/31/2023
 Supervised By : Mahesh Dadoda 09/01/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	150393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	246900	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217997	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102820	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	90519	41.749	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	83.500%		
35) Dibromofluoromethane	5.385	113	75295	46.047	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.100%		
50) Toluene-d8	8.647	98	290183	48.924	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.840%		
62) 4-Bromofluorobenzene	11.079	95	106535	45.705	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.400%		
Target Compounds					Qvalue	
16) Acetone	2.380	43	93465	110.190	ug/l	89
18) Methyl Acetate	2.709	43	1352	0.423	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	89869	15.306	ug/l	99
20) Methylene Chloride	2.788	84	1401	0.739	ug/l #	87
22) Diisopropyl ether	3.763	45	4615	0.939	ug/l #	69
25) 2-Butanone	4.562	43	41705	32.655	ug/l #	86
40) Benzene	6.037	78	474613	71.234	ug/l	99
51) 4-Methyl-2-Pentanone	8.580	43	2229	0.974	ug/l	99
52) Toluene	8.720	92	1942721	441.308	ug/l	98
59) 2-Hexanone	9.439	43	3343	1.916	ug/l	97
67) Ethyl Benzene	10.195	91	375581	46.326	ug/l	99
68) m/p-Xylenes	10.299	106	872874	278.797	ug/l	95
69) o-Xylene	10.640	106	632147	204.648	ug/l	96
73) Isopropylbenzene	10.963	105	7080	0.947	ug/l	99
78) n-propylbenzene	11.305	91	6567	0.789	ug/l #	53
80) 1,3,5-Trimethylbenzene	11.451	105	170223	27.305	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	897171	142.395	ug/l	95
85) sec-Butylbenzene	11.890	105	1984m	0.286	ug/l	
86) p-Isopropyltoluene	12.012	119	3057m	0.511	ug/l	
95) Naphthalene	13.774	128	1826965	213.020	ug/l	99

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

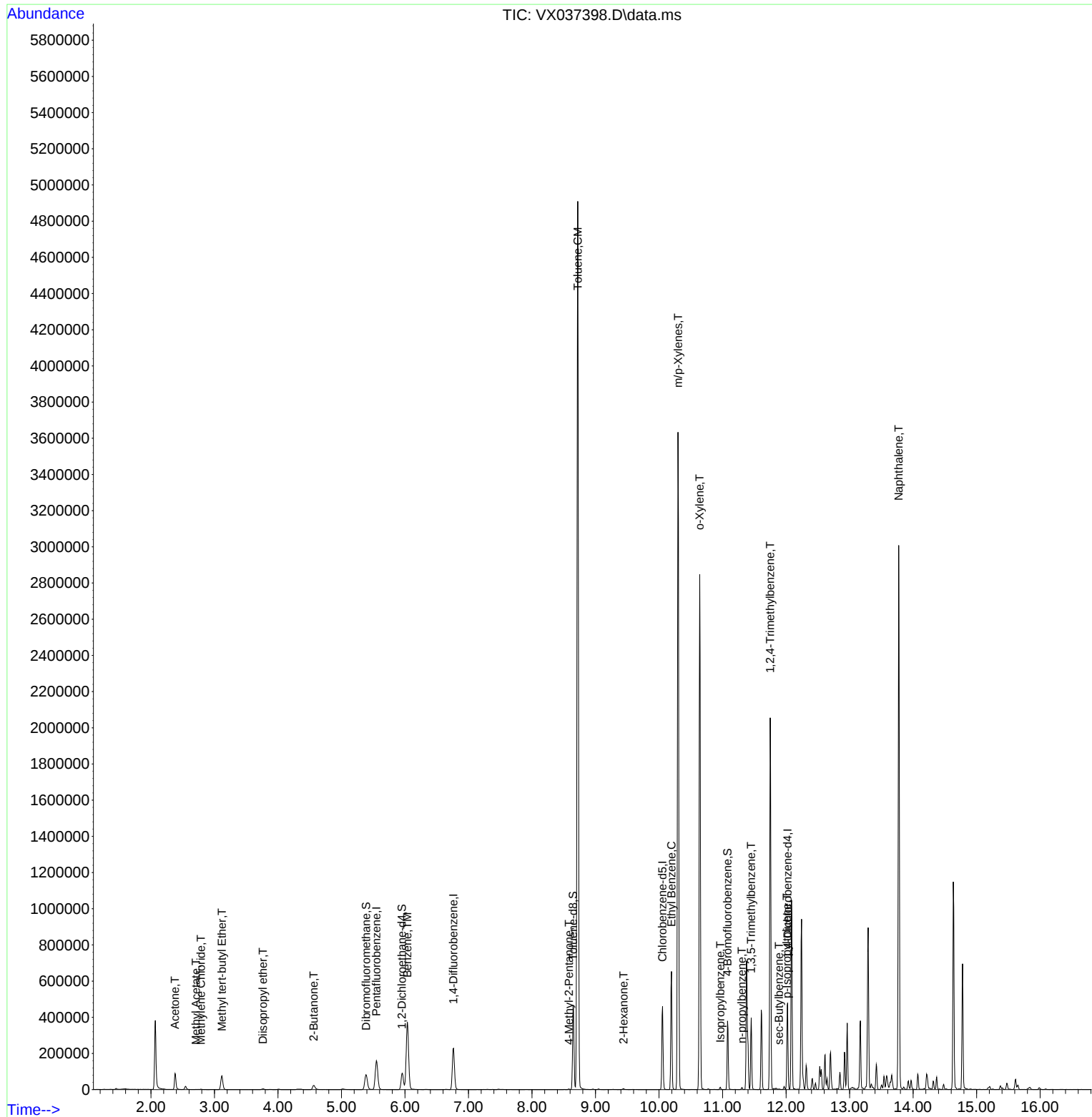
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083023\
Data File : VX037398.D
Acq On : 30 Aug 2023 18:56
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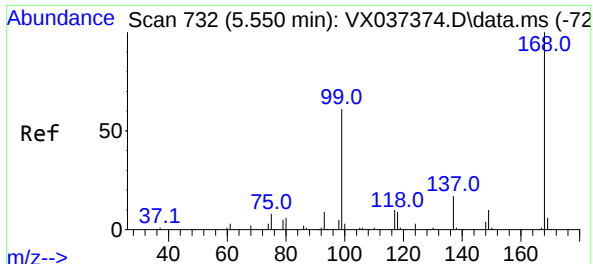
Instrument :
MSVOA_X
ClientSampleId :
1717

Quant Time: Aug 31 02:28:45 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

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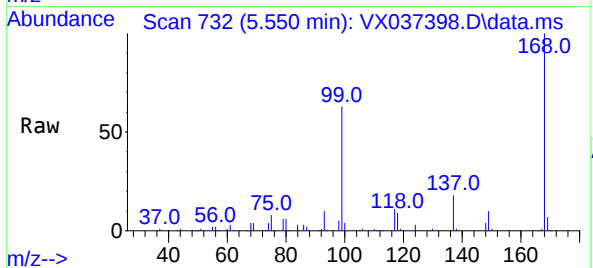
Reviewed By : John Carlone 08/31/2023
Supervised By : Mahesh Dadoda 09/01/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56

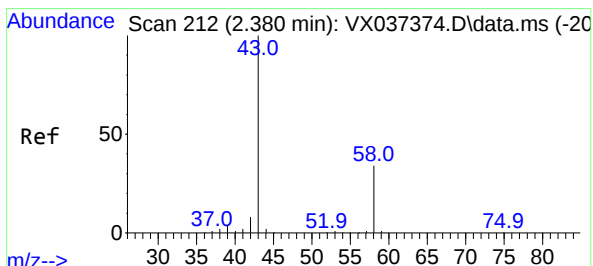
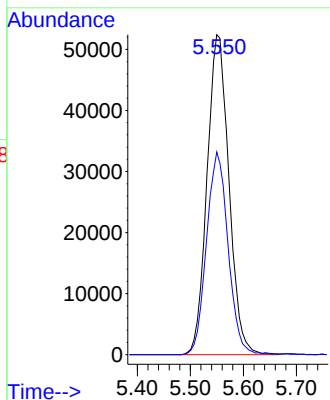
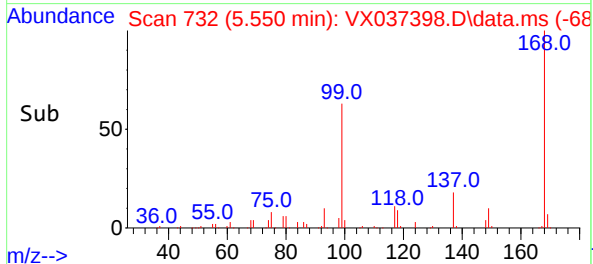
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MSVOA_X
ClientSampleId :
1717



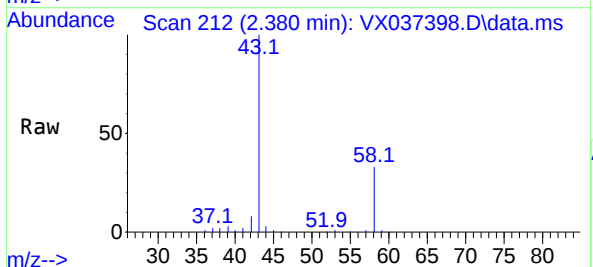
Tgt Ion:168 Resp: 15039
Ion Ratio Lower Upper
168 100
99 63.4 56.6 85.0

Manual Integrations
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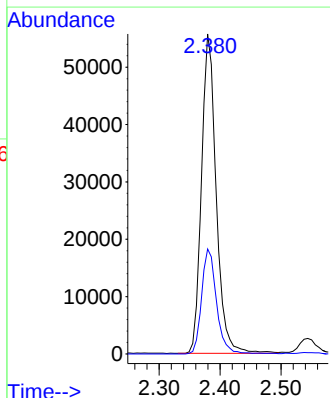
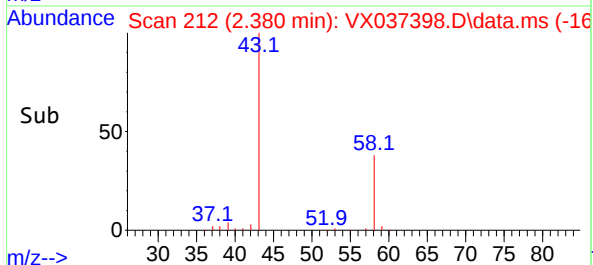
Reviewed By :John Carlone 08/31/2023
Supervised By :Mahesh Dadoda 09/01/2023

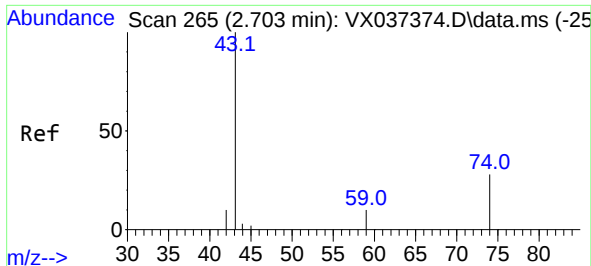


#16
Acetone
Concen: 110.190 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56



Tgt Ion: 43 Resp: 93465
Ion Ratio Lower Upper
43 100
58 32.9 21.9 32.9





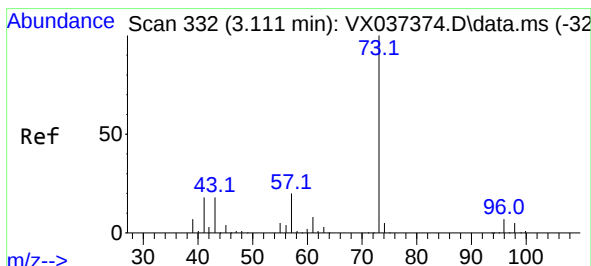
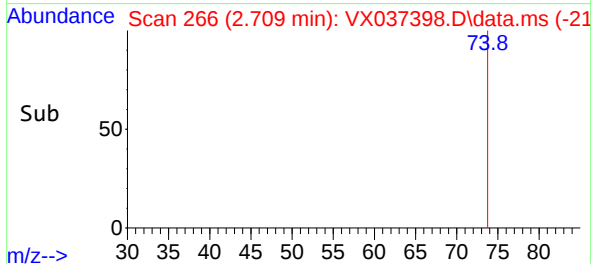
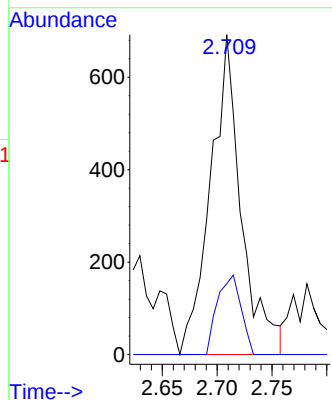
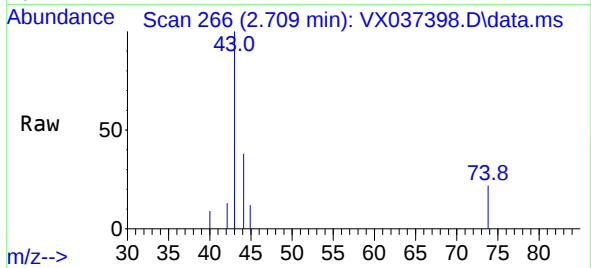
#18
Methyl Acetate
Concen: 0.423 ug/l
RT: 2.709 min Scan# 217
Delta R.T. 0.006 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56

Instrument :
MSVOA_X
ClientSampleId :
1717

Tgt Ion: 43 Resp: 1352
Ion Ratio Lower Upper
43 100
74 19.1 17.8 26.8

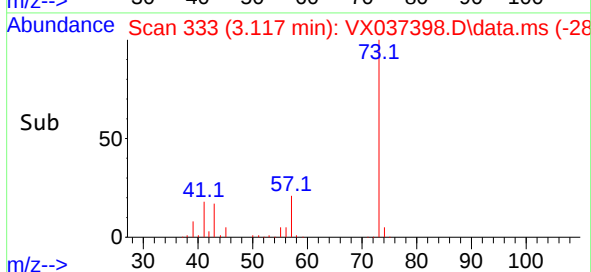
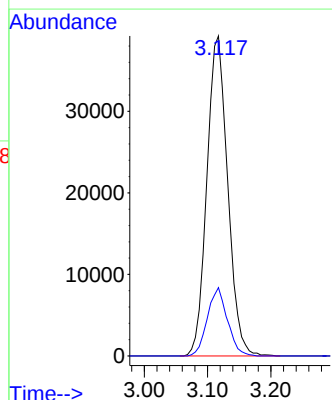
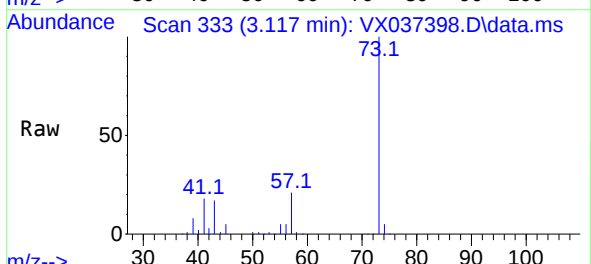
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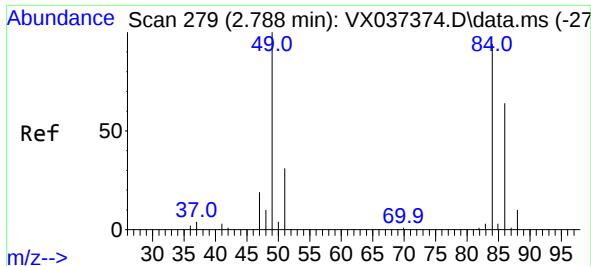
Reviewed By :John Carlone 08/31/2023
Supervised By :Mahesh Dadoda 09/01/2023



#19
Methyl tert-butyl Ether
Concen: 15.306 ug/l
RT: 3.117 min Scan# 333
Delta R.T. -0.000 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56

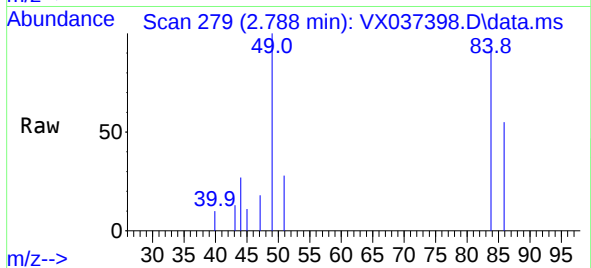
Tgt Ion: 73 Resp: 89869
Ion Ratio Lower Upper
73 100
57 21.4 17.3 25.9





#20
Methylene Chloride
Concen: 0.739 ug/l
RT: 2.788 min Scan# 217
Delta R.T. -0.000 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56

Instrument :
MSVOA_X
ClientSampleId :
1717

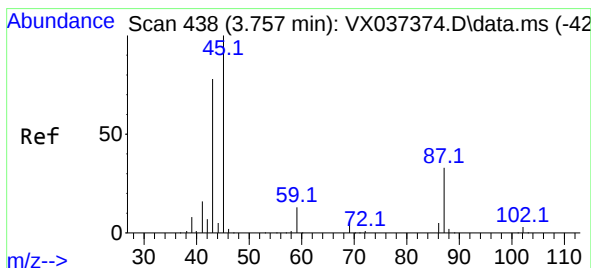
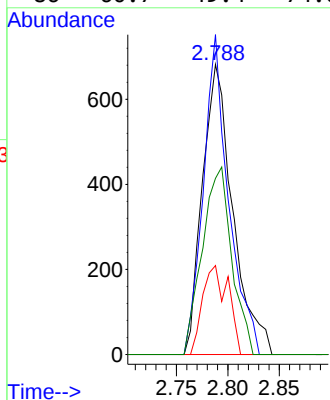
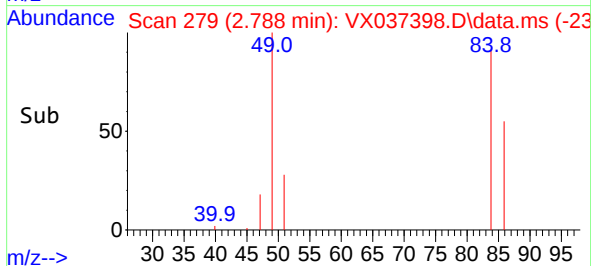


Tgt Ion: 84 Resp: 140

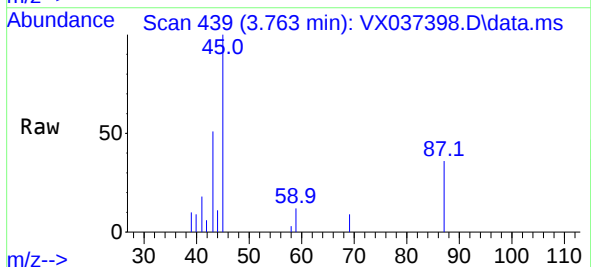
Ion	Ratio	Lower	Upper
84	100		
49	110.3	103.6	155.4
51	30.6	33.8	50.6
86	60.7	49.4	74.0

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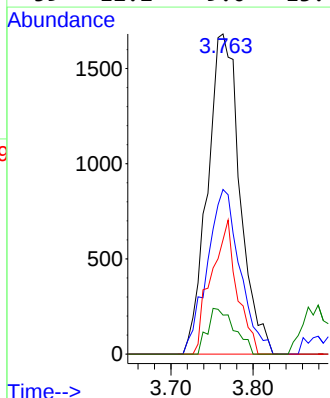
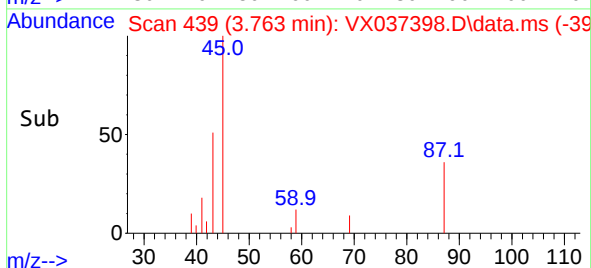


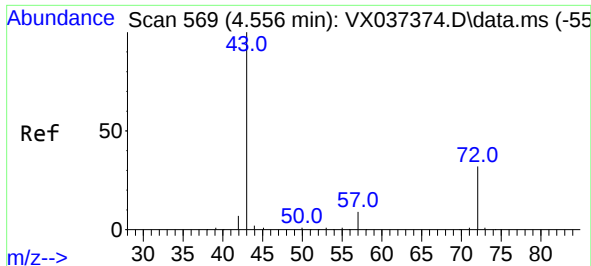
#22
Diisopropyl ether
Concen: 0.939 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56



Tgt Ion: 45 Resp: 4615

Ion	Ratio	Lower	Upper
45	100		
43	51.4	69.7	104.5#
87	35.7	20.8	31.2#
59	12.2	9.0	13.4





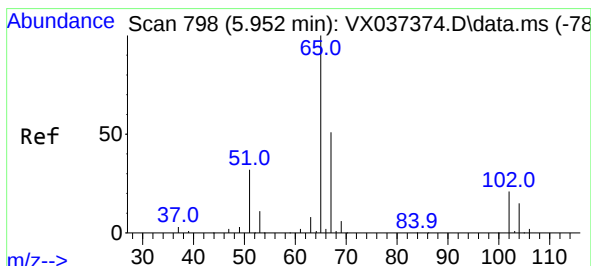
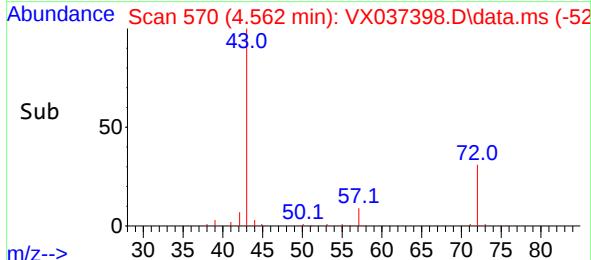
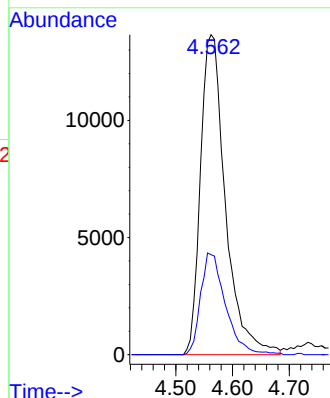
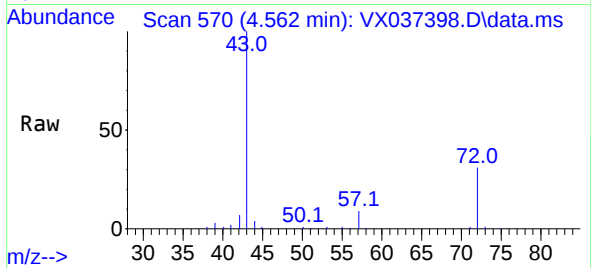
#25
2-Butanone
Concen: 32.655 ug/l
RT: 4.562 min Scan# 517
Delta R.T. 0.006 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56

Instrument :
MSVOA_X
ClientSampleId :
1717

Tgt Ion: 43 Resp: 4170
Ion Ratio Lower Upper
43 100
72 31.2 19.4 29.2

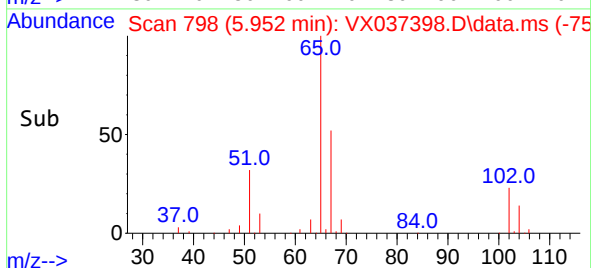
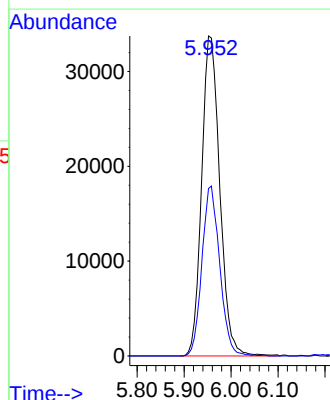
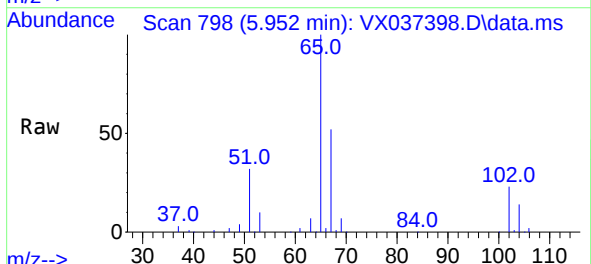
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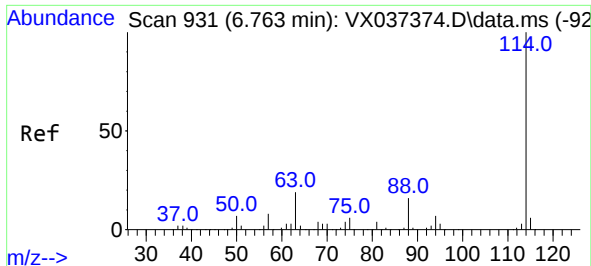
Reviewed By :John Carlone 08/31/2023
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#33
1,2-Dichloroethane-d4
Concen: 41.749 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56

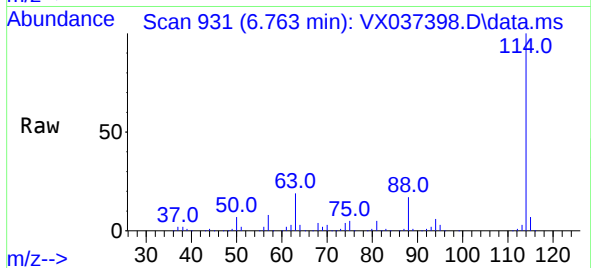
Tgt Ion: 65 Resp: 90519
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.2





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56

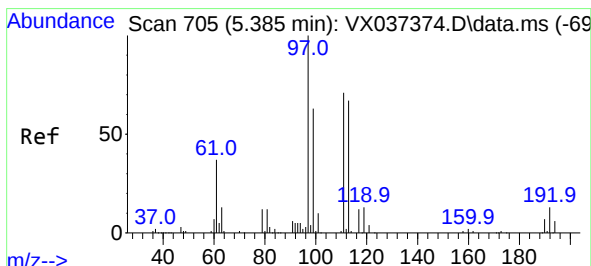
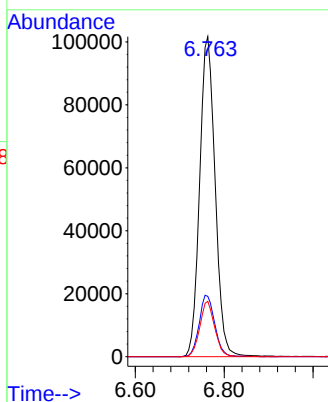
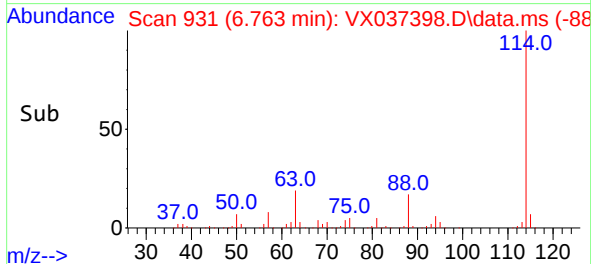
Instrument :
MSVOA_X
ClientSampleId :
1717



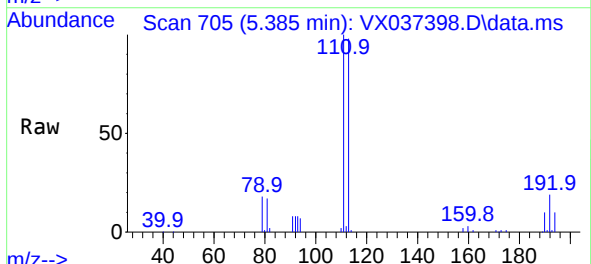
Tgt Ion:114 Resp: 246900
Ion Ratio Lower Upper
114 100
63 18.9 0.0 45.0
88 17.3 0.0 36.6

Manual Integrations
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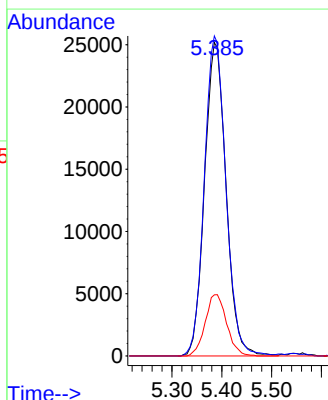
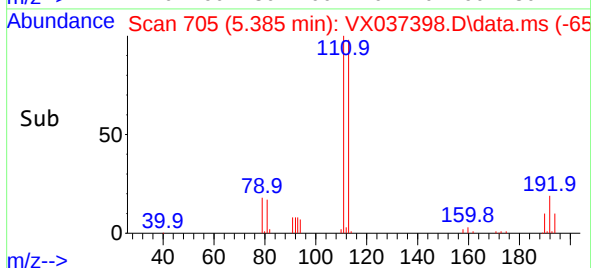
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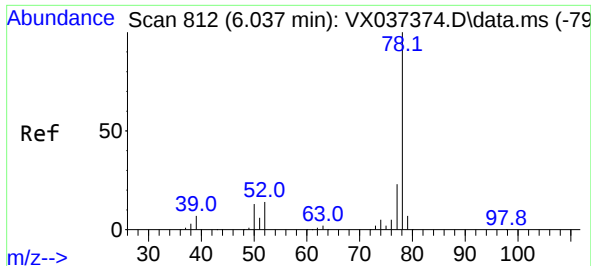


#35
Dibromofluoromethane
Concen: 46.047 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56



Tgt Ion:113 Resp: 75295
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 19.5 13.3 19.9





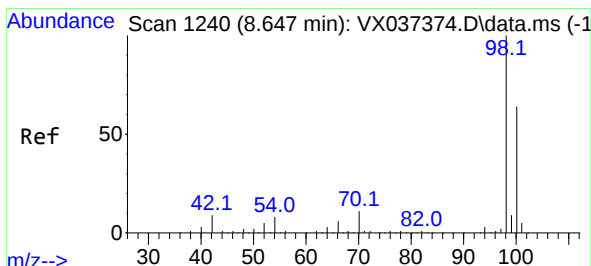
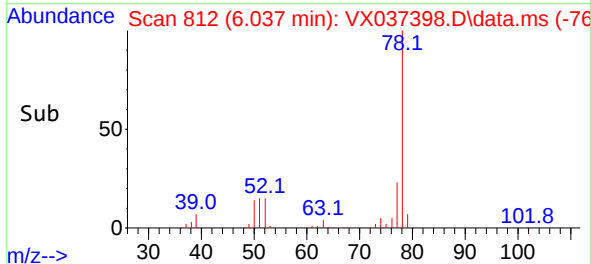
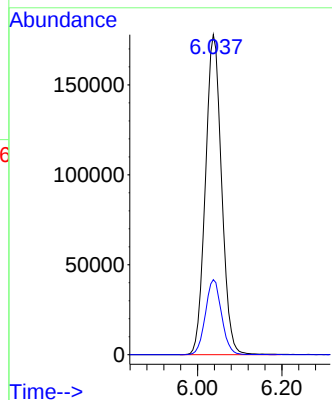
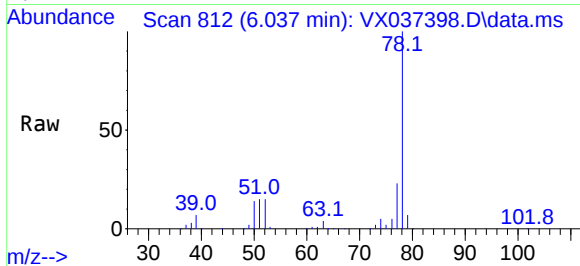
#40
Benzene
Concen: 71.234 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56

Instrument :
MSVOA_X
ClientSampleId :
1717

Tgt Ion: 78 Resp: 47461
Ion Ratio Lower Upper
78 100
77 23.5 19.3 28.9

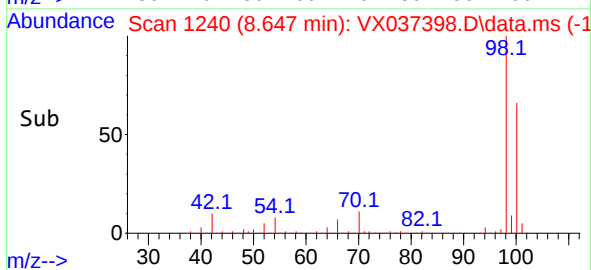
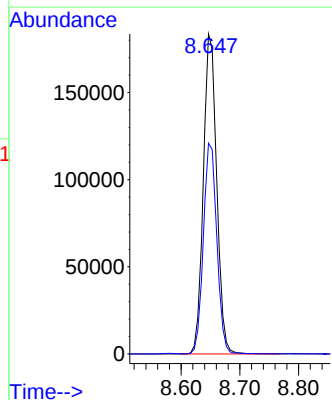
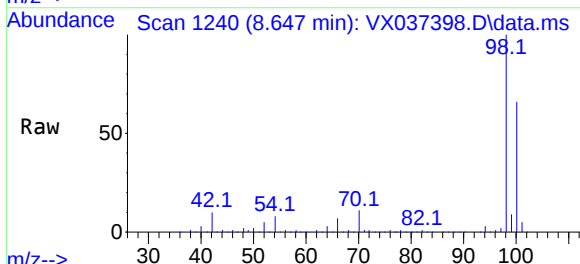
Manual Integrations
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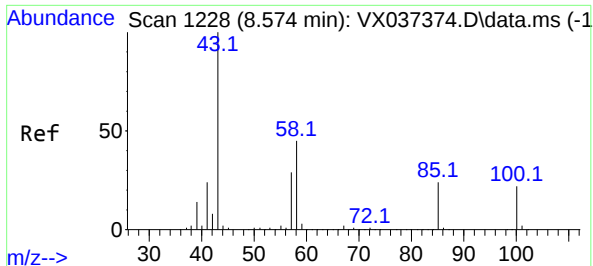
Reviewed By :John Carlone 08/31/2023
Supervised By :Mahesh Dadoda 09/01/2023



#50
Toluene-d8
Concen: 48.924 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56

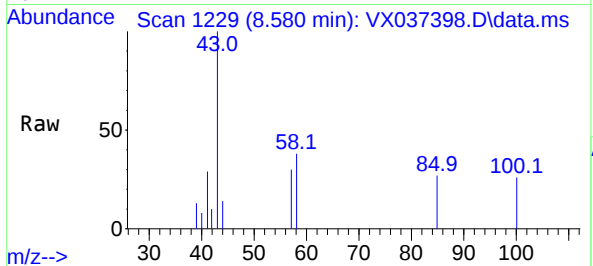
Tgt Ion: 98 Resp: 290183
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7





#51
4-Methyl-2-Pentanone
Concen: 0.974 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56

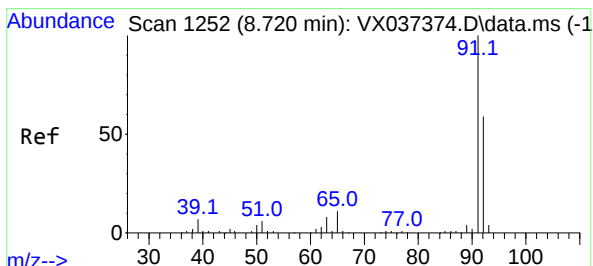
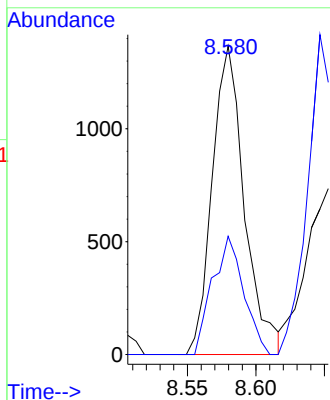
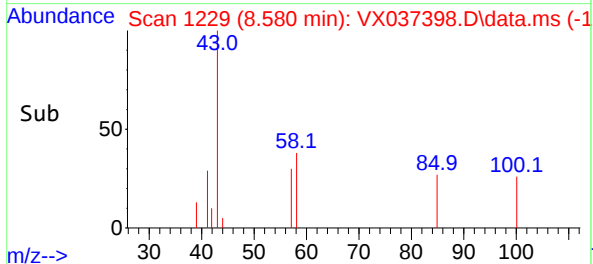
Instrument :
MSVOA_X
ClientSampleId :
1717



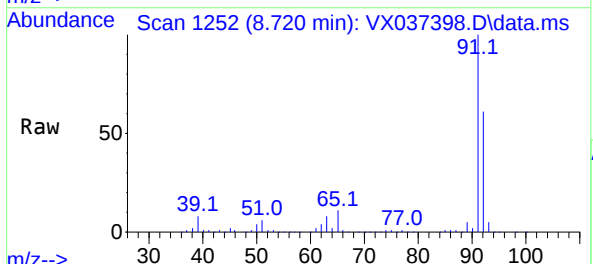
Tgt Ion: 43 Resp: 2229
Ion Ratio Lower Upper
43 100
58 37.3 30.4 45.6

Manual Integrations
APPROVED

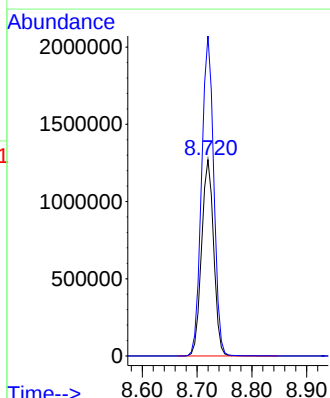
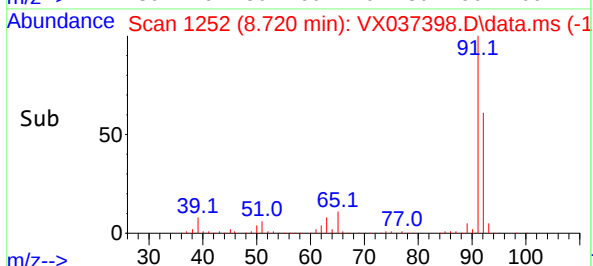
Reviewed By :John Carlone 08/31/2023
Supervised By :Mahesh Dadoda 09/01/2023

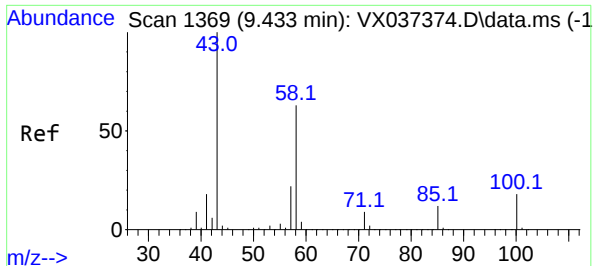


#52
Toluene
Concen: 441.308 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56



Tgt Ion: 92 Resp: 1942721
Ion Ratio Lower Upper
92 100
91 164.6 134.2 201.2





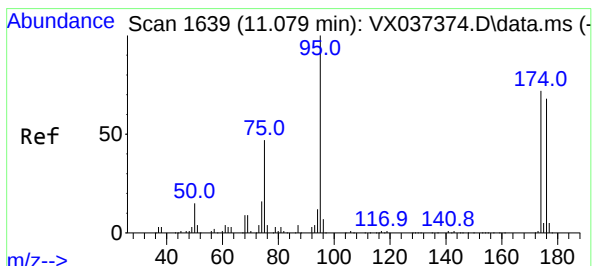
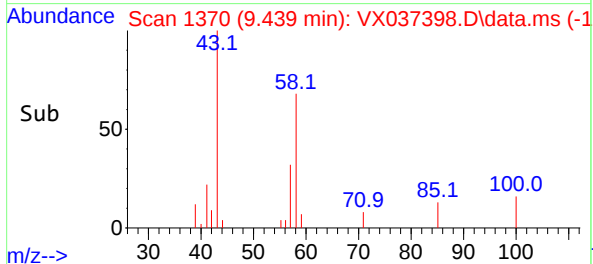
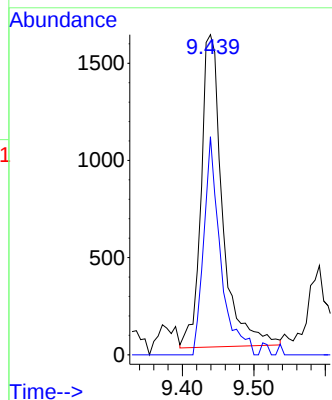
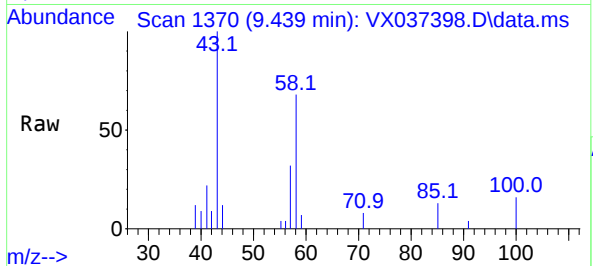
#59
2-Hexanone
Concen: 1.916 ug/l
RT: 9.439 min Scan# 11717
Delta R.T. 0.006 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56

Instrument :
MSVOA_X
ClientSampleId :
1717

Tgt Ion: 43 Resp: 334
Ion Ratio Lower Upper
43 100
58 54.7 26.2 78.5

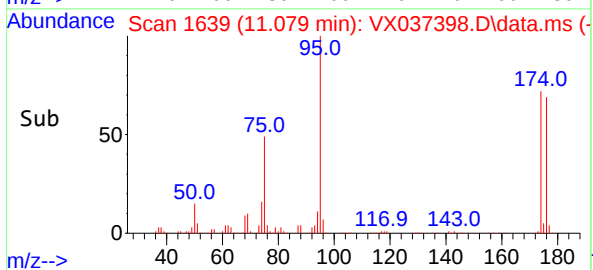
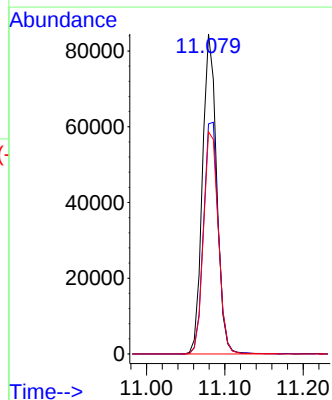
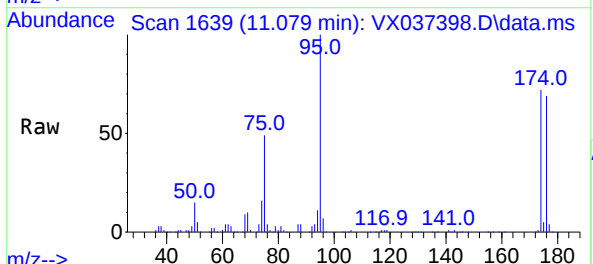
Manual Integrations
APPROVED

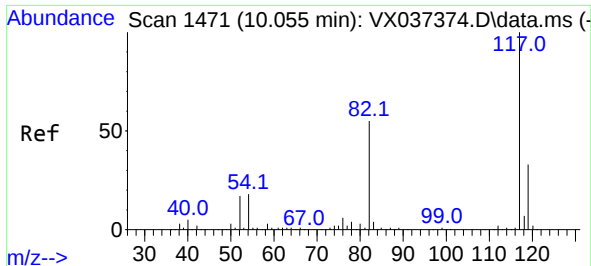
Reviewed By :John Carlone 08/31/2023
Supervised By :Mahesh Dadoda 09/01/2023



#62
4-Bromofluorobenzene
Concen: 45.705 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56

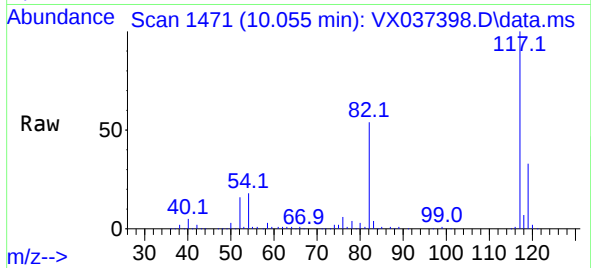
Tgt Ion: 95 Resp: 106535
Ion Ratio Lower Upper
95 100
174 75.6 0.0 135.6
176 72.4 0.0 131.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56

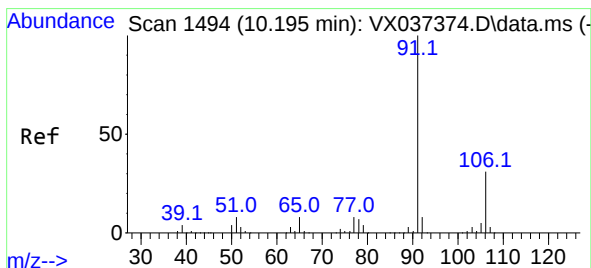
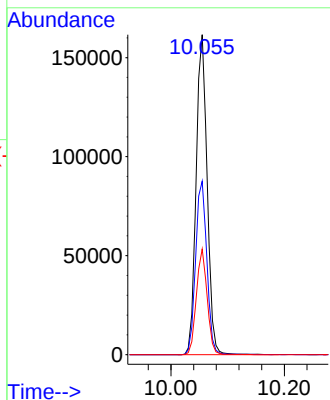
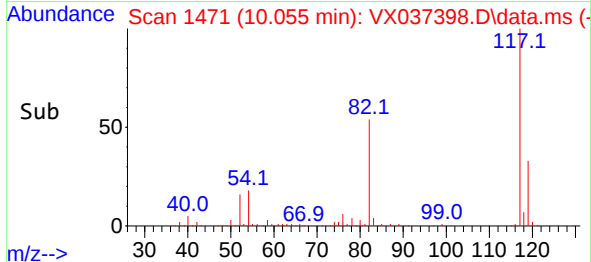
Instrument :
MSVOA_X
ClientSampleId :
1717



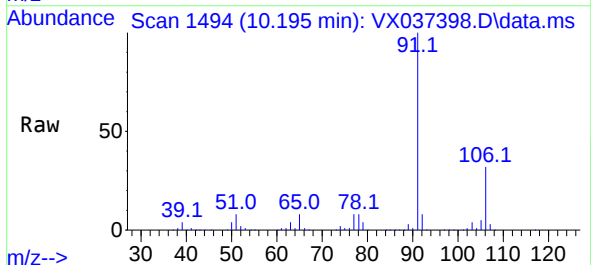
Tgt Ion:117 Resp: 21799
Ion Ratio Lower Upper
117 100
82 54.2 46.2 69.4
119 33.0 25.5 38.3

Manual Integrations
APPROVED

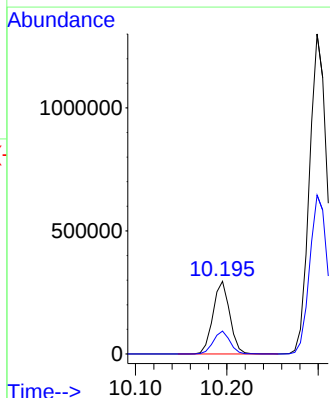
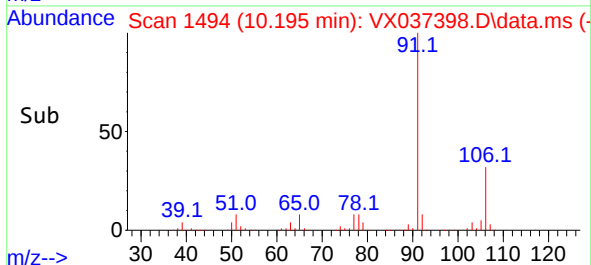
Reviewed By :John Carlone 08/31/2023
Supervised By :Mahesh Dadoda 09/01/2023

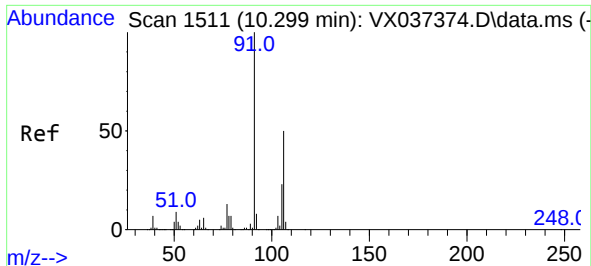


#67
Ethyl Benzene
Concen: 46.326 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56



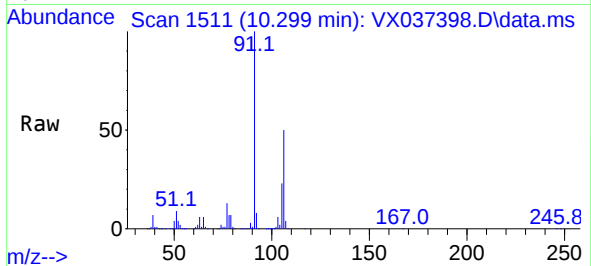
Tgt Ion: 91 Resp: 375581
Ion Ratio Lower Upper
91 100
106 31.6 24.9 37.3





#68
m/p-Xylenes
Concen: 278.797 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56

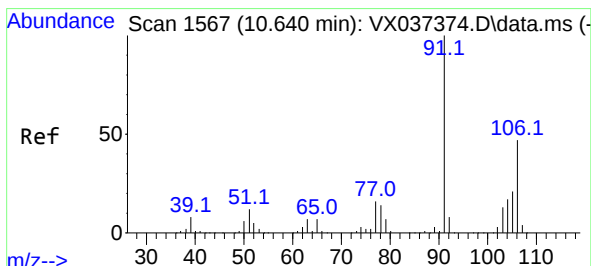
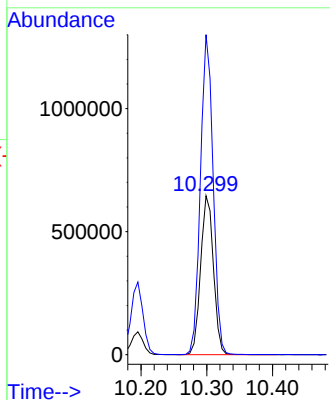
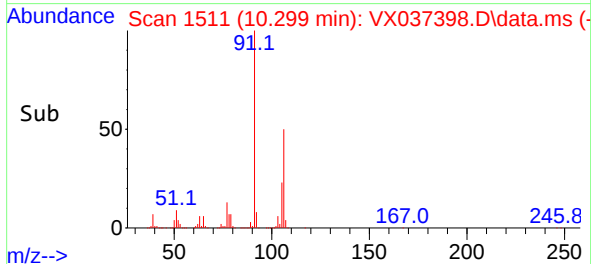
Instrument :
MSVOA_X
ClientSampleId :
1717



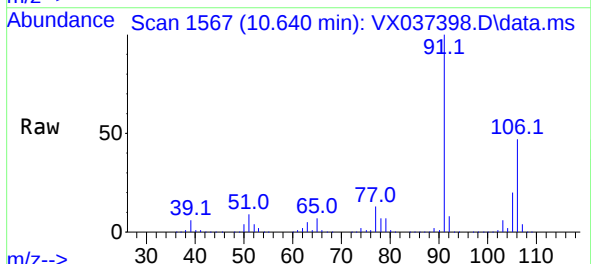
Tgt Ion:106 Resp: 872874
Ion Ratio Lower Upper
106 100
91 199.6 165.5 248.3

Manual Integrations
APPROVED

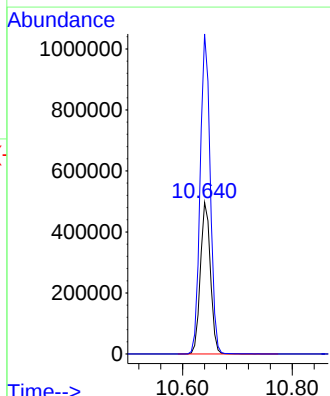
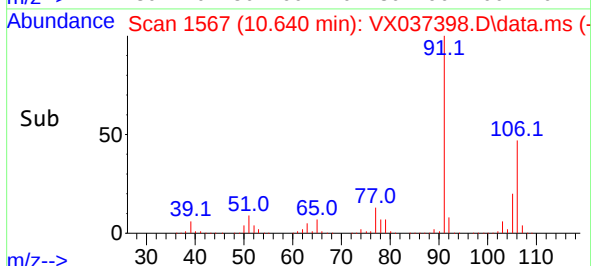
Reviewed By :John Carlone 08/31/2023
Supervised By :Mahesh Dadoda 09/01/2023

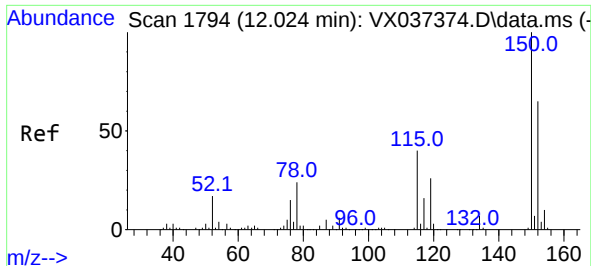


#69
o-Xylene
Concen: 204.648 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56



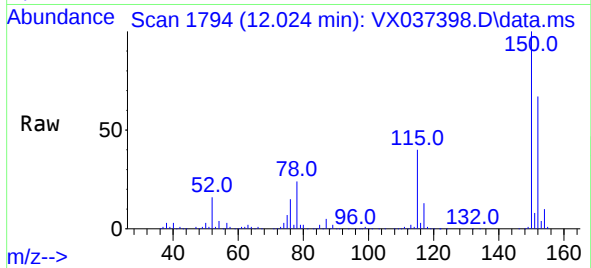
Tgt Ion:106 Resp: 632147
Ion Ratio Lower Upper
106 100
91 211.4 108.9 326.8





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56

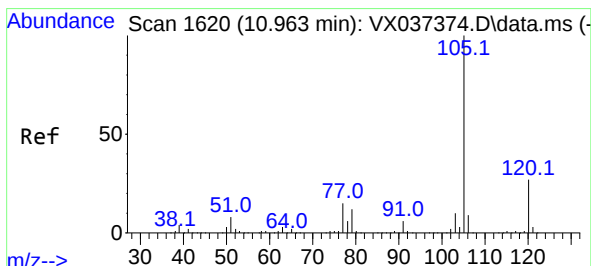
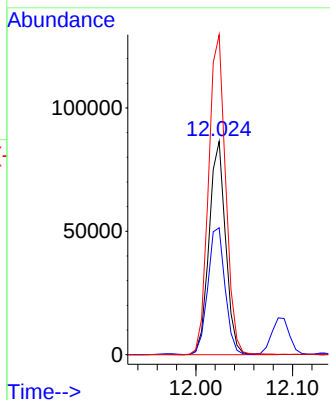
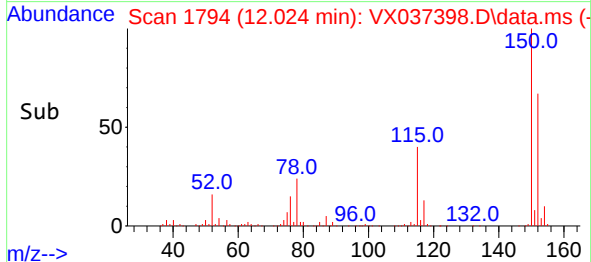
Instrument :
MSVOA_X
ClientSampleId :
1717



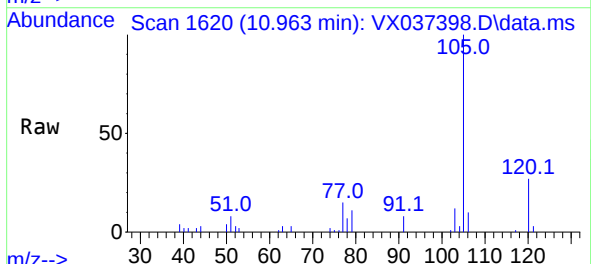
Tgt Ion:152 Resp: 102820
Ion Ratio Lower Upper
152 100
115 62.0 43.3 129.9
150 155.2 0.0 345.0

Manual Integrations
APPROVED

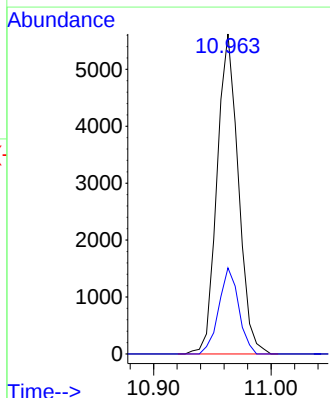
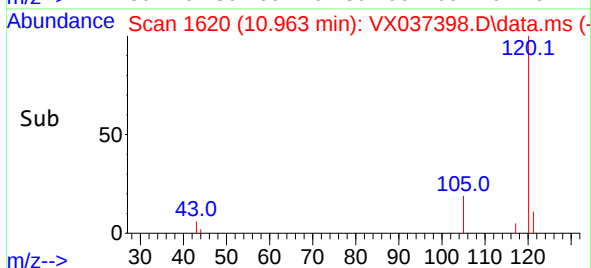
Reviewed By :John Carlone 08/31/2023
Supervised By :Mahesh Dadoda 09/01/2023

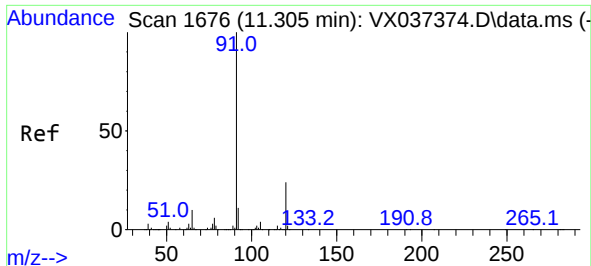


#73
Isopropylbenzene
Concen: 0.947 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56



Tgt Ion:105 Resp: 7080
Ion Ratio Lower Upper
105 100
120 25.0 12.9 38.6





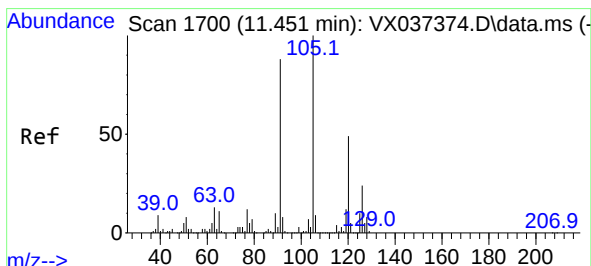
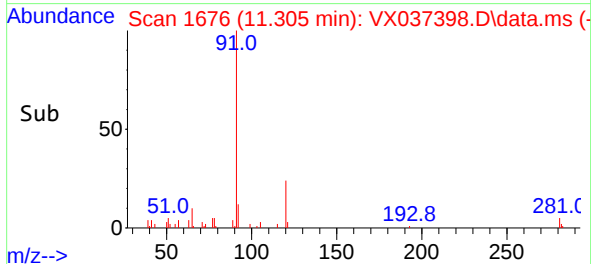
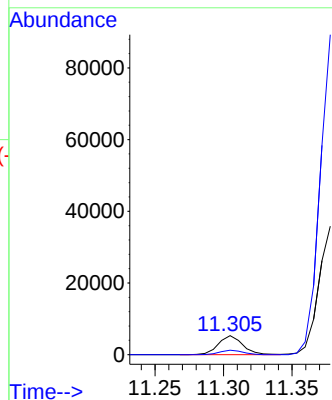
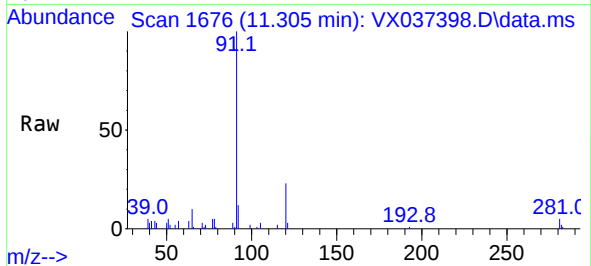
#78
n-propylbenzene
Concen: 0.789 ug/l
RT: 11.305 min Scan# 11717
Delta R.T. -0.000 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56

Instrument :
MSVOA_X
ClientSampleId :
1717

Tgt Ion: 91 Resp: 656
Ion Ratio Lower Upper
91 100
120 0.0 11.5 34.4

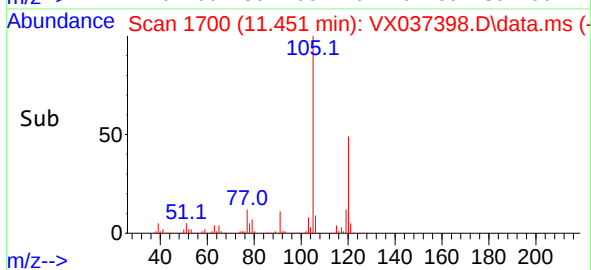
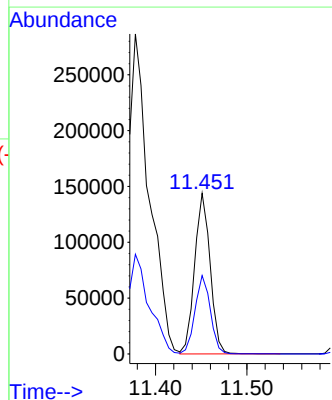
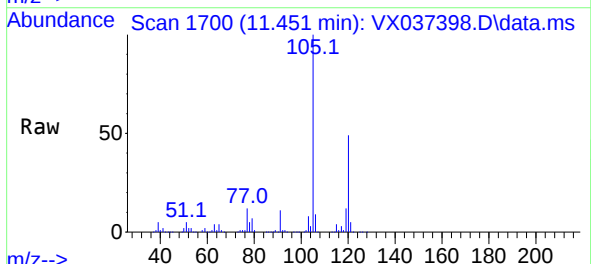
Manual Integrations
APPROVED

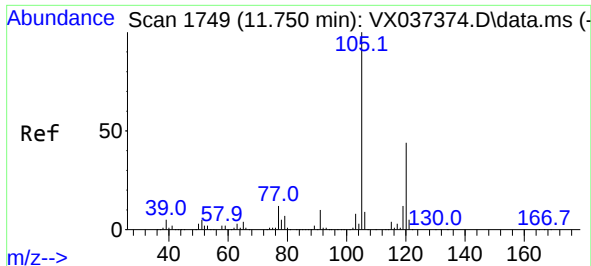
Reviewed By :John Carlone 08/31/2023
Supervised By :Mahesh Dadoda 09/01/2023



#80
1,3,5-Trimethylbenzene
Concen: 27.305 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56

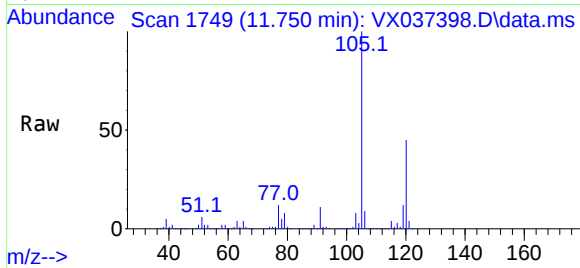
Tgt Ion:105 Resp: 170223
Ion Ratio Lower Upper
105 100
120 48.5 24.1 72.3





#84
1,2,4-Trimethylbenzene
Concen: 142.395 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56

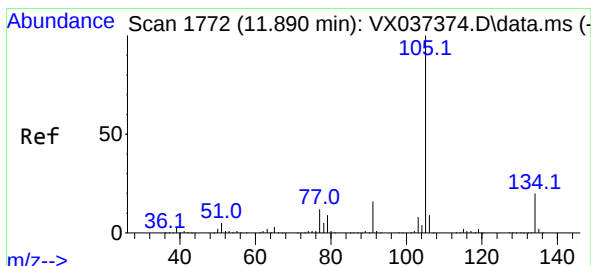
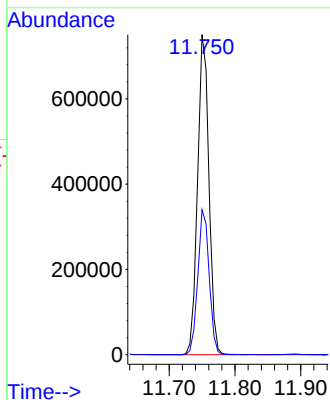
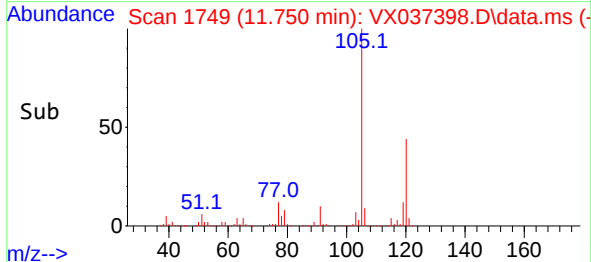
Instrument :
MSVOA_X
ClientSampleId :
1717



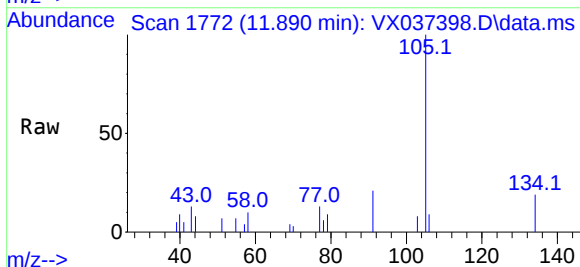
Tgt Ion:105 Resp: 89717
Ion Ratio Lower Upper
105 100
120 45.4 21.2 63.6

Manual Integrations
APPROVED

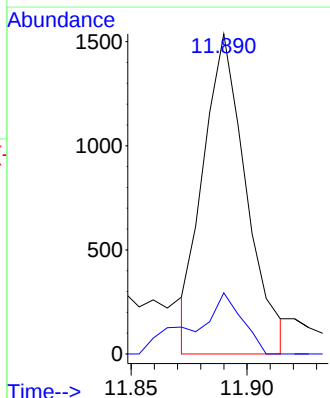
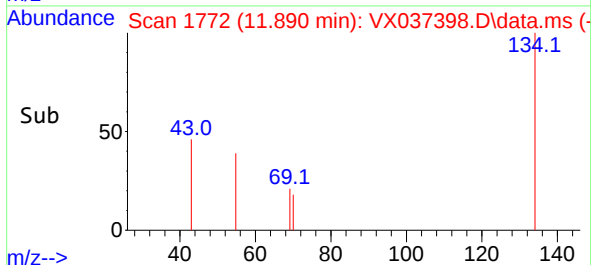
Reviewed By :John Carlone 08/31/2023
Supervised By :Mahesh Dadoda 09/01/2023

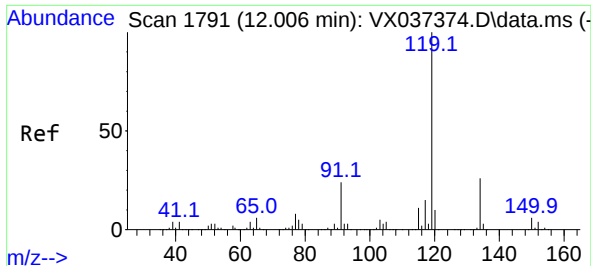


#85
sec-Butylbenzene
Concen: 0.286 ug/l m
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56



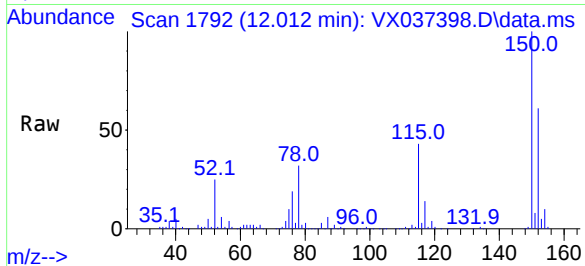
Tgt Ion:105 Resp: 1984
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.4#





#86
p-Isopropyltoluene
Concen: 0.511 ug/l m
RT: 12.012 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56

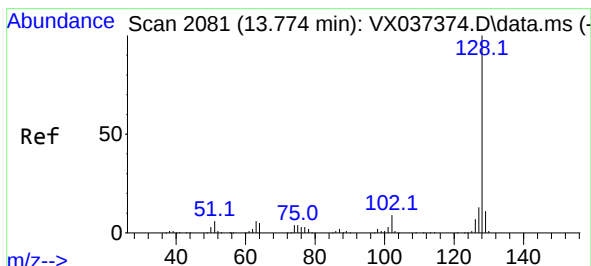
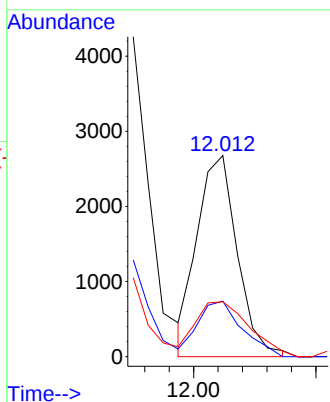
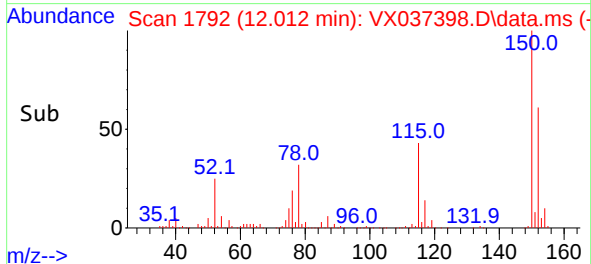
Instrument :
MSVOA_X
ClientSampleId :
1717



Tgt Ion:119 Resp: 305
Ion Ratio Lower Upper
119 100
134 63.5 12.8 38.3
91 0.0 13.1 39.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/31/2023
Supervised By :Mahesh Dadoda 09/01/2023



#95
Naphthalene
Concen: 213.020 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX037398.D
Acq: 30 Aug 2023 18:56

Tgt Ion:128 Resp: 1826965
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.3 8.8 13.2

