

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110923\
 Data File : VX038675.D
 Acq On : 09 Nov 2023 13:09
 Operator : JC/MD
 Sample : 05287-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50131

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/10/2023
 Supervised By :Mahesh Dadoda 11/13/2023

Quant Time: Nov 10 03:37:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	290599	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	478406	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	488029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	281586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	166043	45.895	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.800%		
35) Dibromofluoromethane	5.385	113	154018	44.700	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.400%		
50) Toluene-d8	8.647	98	566923	45.980	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.960%#		
62) 4-Bromofluorobenzene	11.079	95	243956	51.032	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.060%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.953	59	29095	39.340	ug/l	# 78
16) Acetone	2.380	43	626705	411.316	ug/l	# 89
18) Methyl Acetate	2.703	43	43676	6.728	ug/l	# 87
19) Methyl tert-butyl Ether	3.111	73	966822	111.480	ug/l	99
22) Diisopropyl ether	3.764	45	43520	5.944	ug/l	# 70
25) 2-Butanone	4.556	43	167971m	76.101	ug/l	
31) Cyclohexane	5.471	56	37306	9.317	ug/l	# 84
37) Ethyl Acetate	4.715	43	5662153	1295.705	ug/l	# 90
39) Methylcyclohexane	7.385	83	9750	1.822	ug/l	# 79
40) Benzene	6.044	78	6940129	562.958	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	6510	1.487	ug/l	# 82
52) Toluene	8.720	92	7132737	883.222	ug/l	91
59) 2-Hexanone	9.433	43	7090	2.002	ug/l	90
67) Ethyl Benzene	10.195	91	1119597	66.624	ug/l	96
68) m/p-Xylenes	10.299	106	1436422	215.370	ug/l	93
69) o-Xylene	10.640	106	714379	110.143	ug/l	95
73) Isopropylbenzene	10.963	105	45633	2.642	ug/l	99
78) n-propylbenzene	11.305	91	85467	4.252	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	135369	9.105	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	619022	41.978	ug/l	95
85) sec-Butylbenzene	11.890	105	6530m	0.347	ug/l	
86) p-Isopropyltoluene	12.006	119	5513	0.344	ug/l	84
95) Naphthalene	13.774	128	324335	16.982	ug/l	100

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

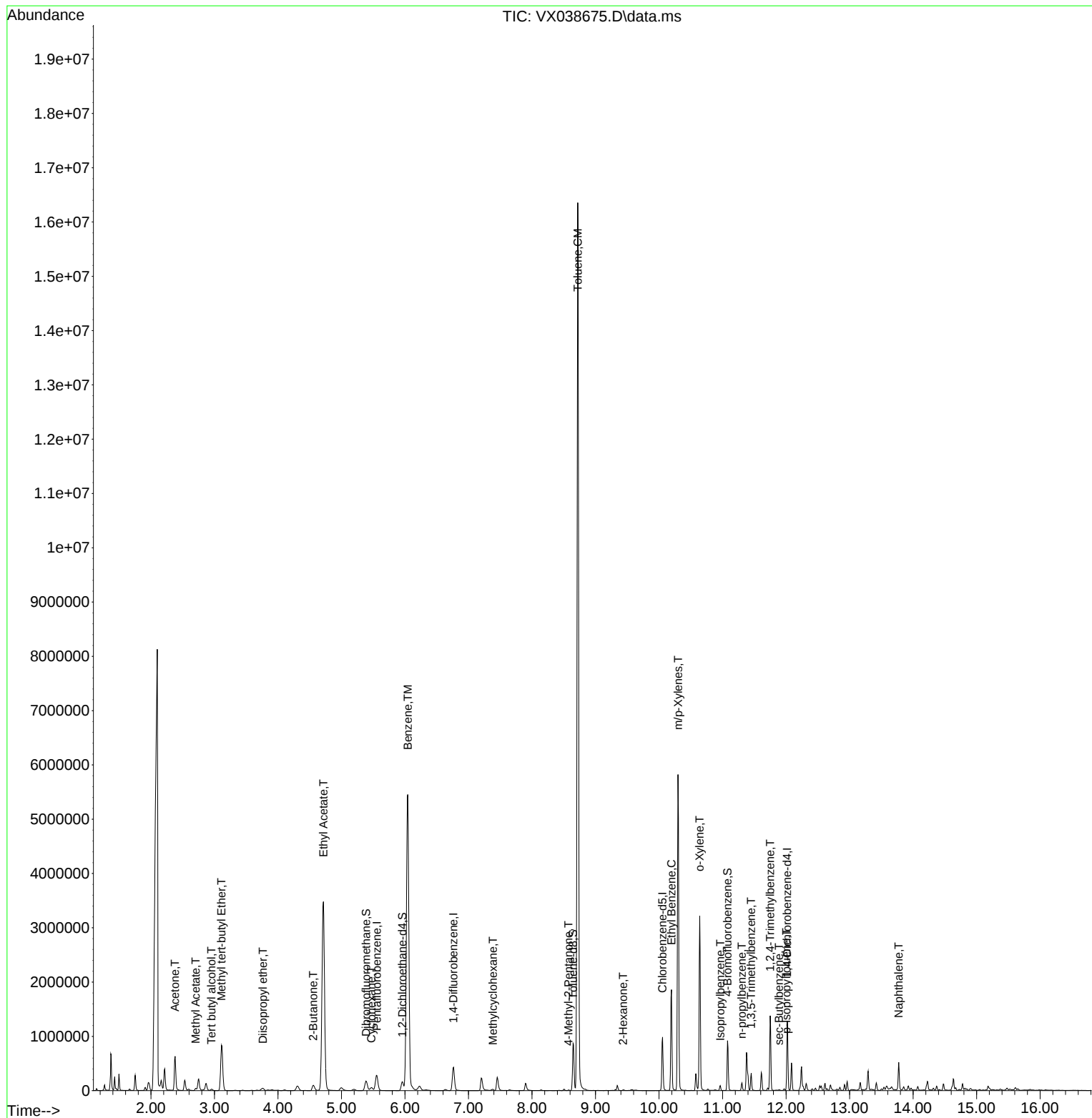
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110923\
Data File : VX038675.D
Acq On : 09 Nov 2023 13:09
Operator : JC/MD
Sample : 05287-02
Misc : 5.0mL/MSVOA_X/WATER
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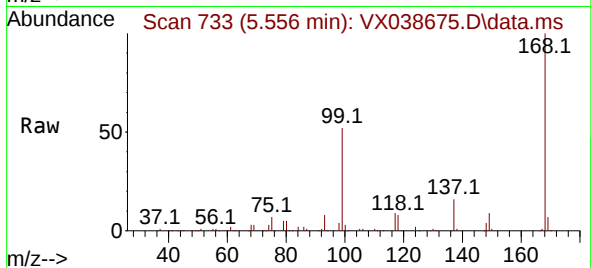
Quant Time: Nov 10 03:37:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 08 03:19:07 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.000 min
Lab File: VX038675.D
Acq: 09 Nov 2023 13:09

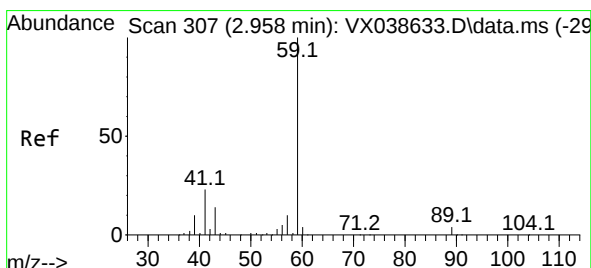
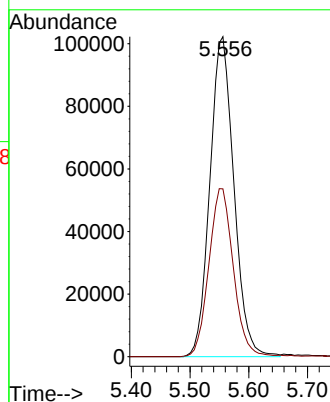
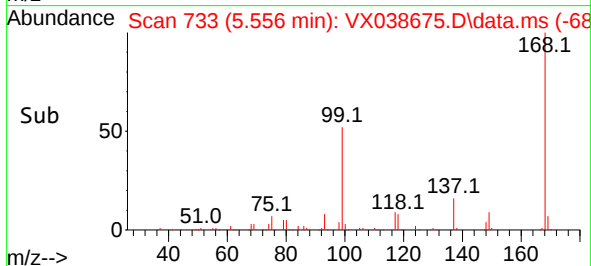
Instrument :
MSVOA_X
ClientSampleId :
50131



Tgt Ion:168 Resp: 290599
Ion Ratio Lower Upper
168 100
99 52.5 56.6 85.0#

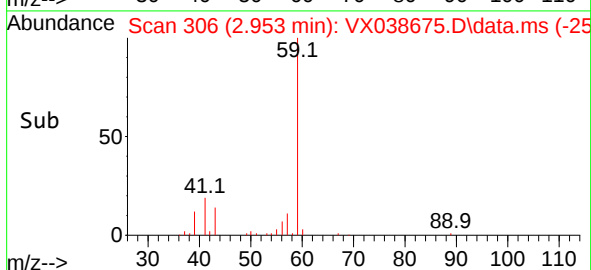
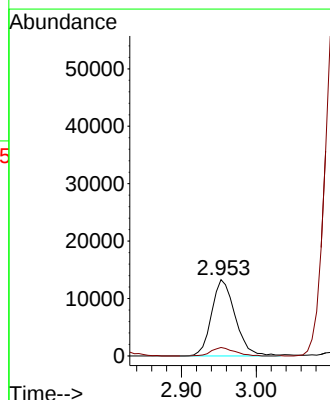
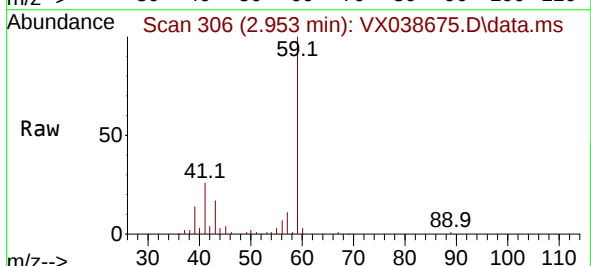
Manual Integrations
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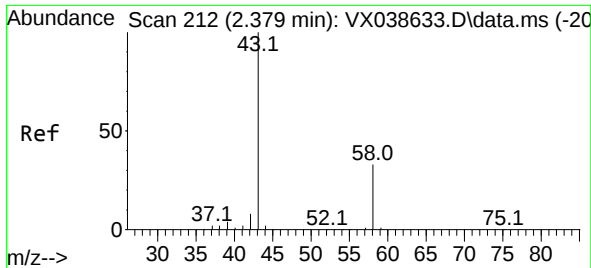
Reviewed By :John Carlone 11/10/2023
Supervised By :Mahesh Dadoda 11/13/2023



#11
Tert butyl alcohol
Concen: 39.340 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX038675.D
Acq: 09 Nov 2023 13:09

Tgt Ion: 59 Resp: 29095
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





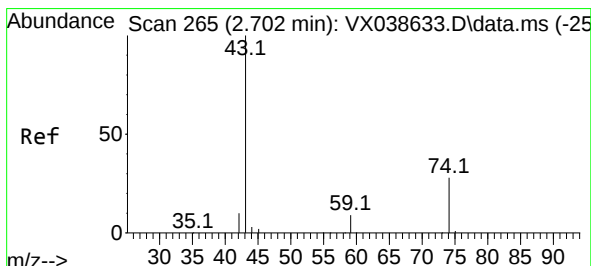
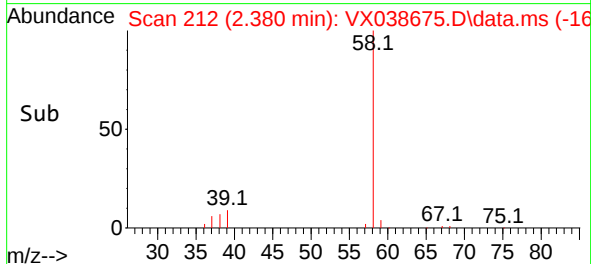
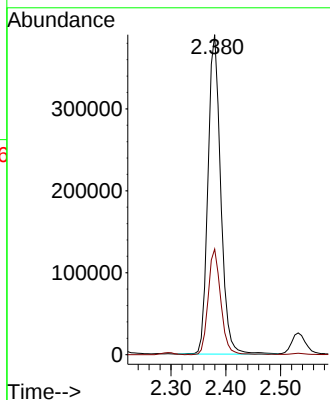
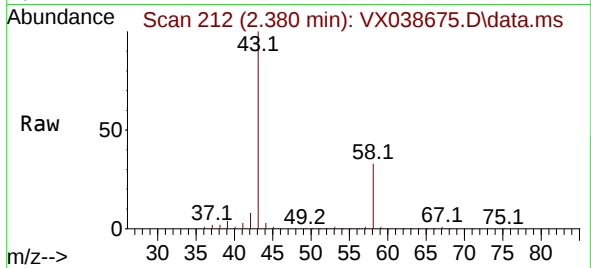
#16
Acetone
Concen: 411.316 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX038675.D
Acq: 09 Nov 2023 13:09

Instrument :
MSVOA_X
ClientSampleId :
50131

Tgt Ion: 43 Resp: 62670
Ion Ratio Lower Upper
43 100
58 33.0 21.9 32.9

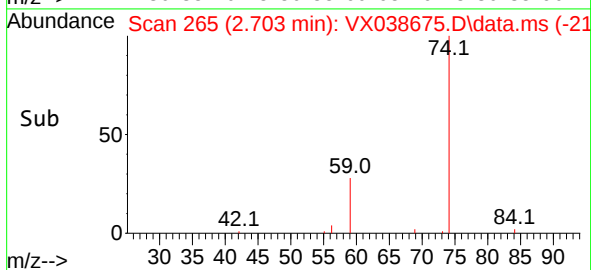
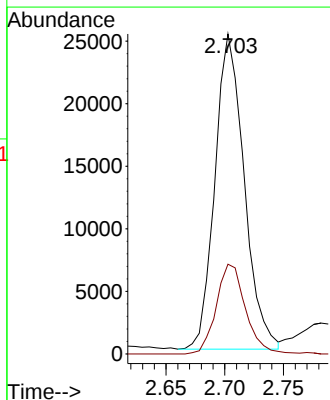
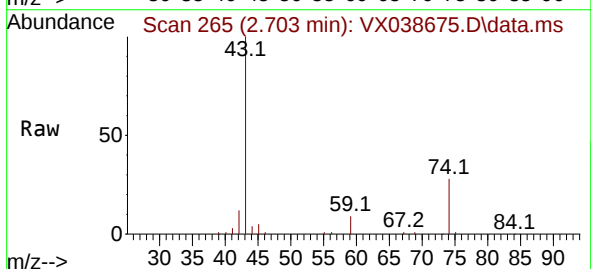
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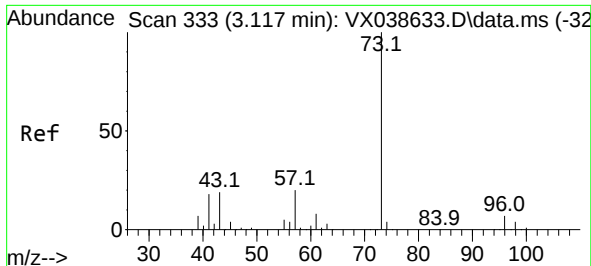
Reviewed By :John Carlone 11/10/2023
Supervised By :Mahesh Dadoda 11/13/2023



#18
Methyl Acetate
Concen: 6.728 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX038675.D
Acq: 09 Nov 2023 13:09

Tgt Ion: 43 Resp: 43676
Ion Ratio Lower Upper
43 100
74 28.4 17.8 26.8





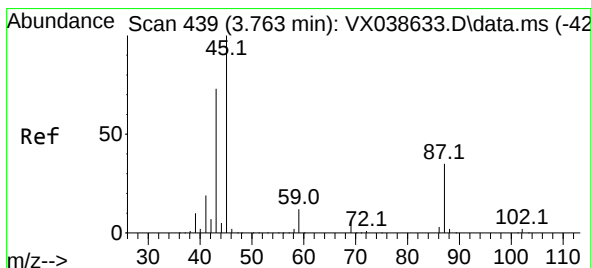
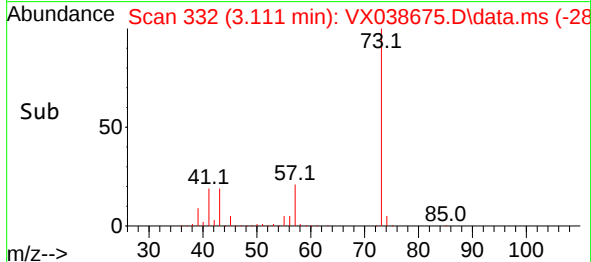
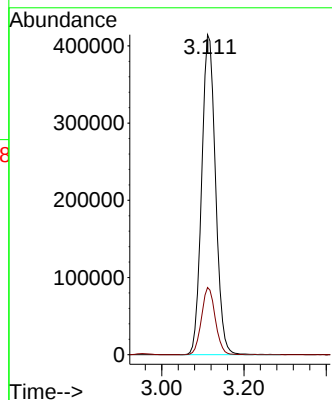
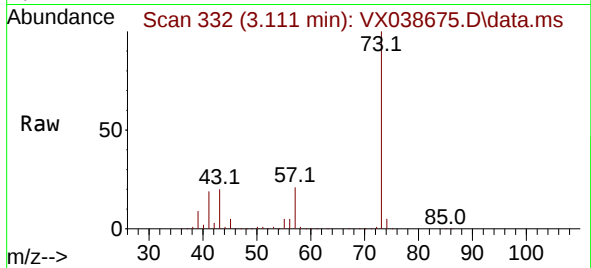
#19
Methyl tert-butyl Ether
Concen: 111.480 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX038675.D
Acq: 09 Nov 2023 13:09

Instrument :
MSVOA_X
ClientSampleId :
50131

Tgt Ion: 73 Resp: 96682
Ion Ratio Lower Upper
73 100
57 21.0 17.3 25.9

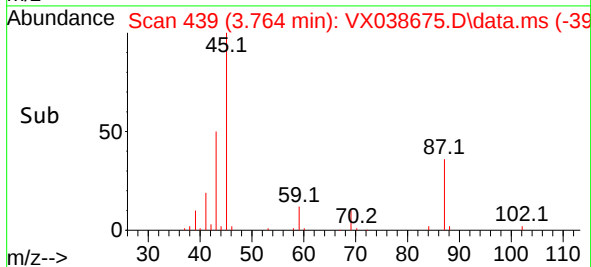
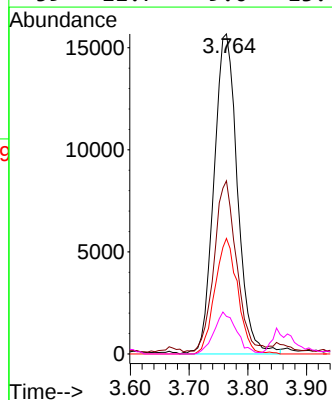
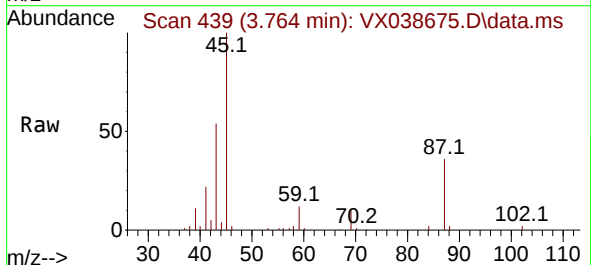
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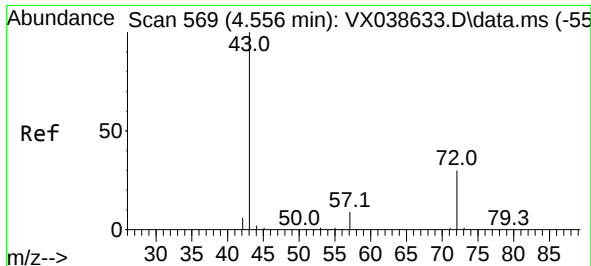
Reviewed By :John Carlone 11/10/2023
Supervised By :Mahesh Dadoda 11/13/2023



#22
Diisopropyl ether
Concen: 5.944 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX038675.D
Acq: 09 Nov 2023 13:09

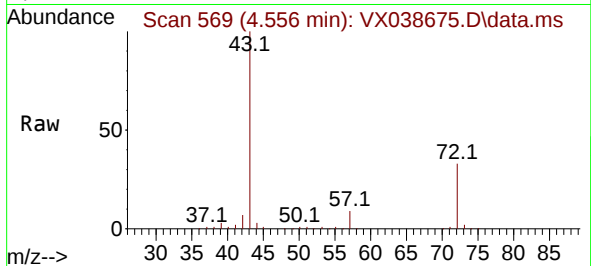
Tgt Ion: 45 Resp: 43520
Ion Ratio Lower Upper
45 100
43 52.6 69.7 104.5#
87 36.1 20.8 31.2#
59 11.7 9.0 13.4





#25
2-Butanone
Concen: 76.101 ug/l m
RT: 4.556 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX038675.D
Acq: 09 Nov 2023 13:09

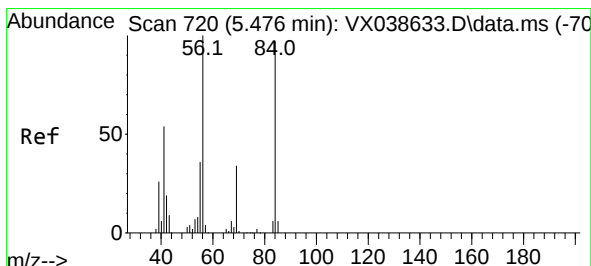
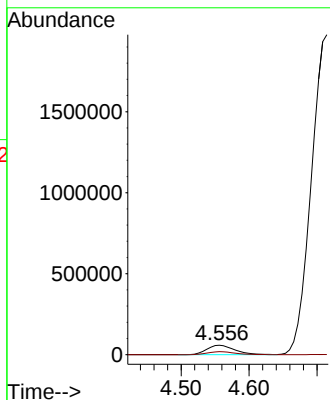
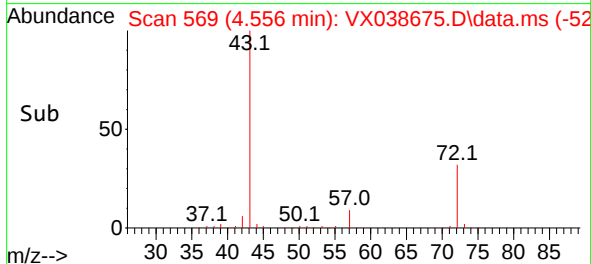
Instrument :
MSVOA_X
ClientSampleId :
50131



Tgt Ion: 43 Resp: 16797
Ion Ratio Lower Upper
43 100
72 32.8 19.4 29.2

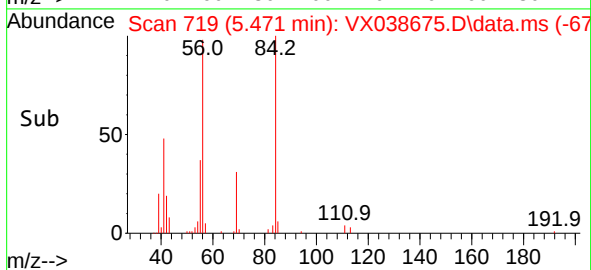
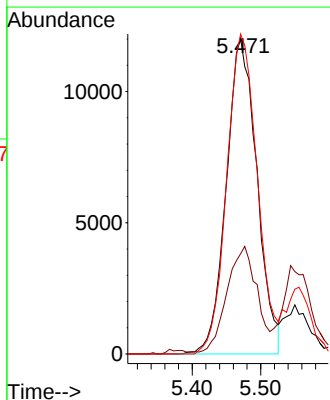
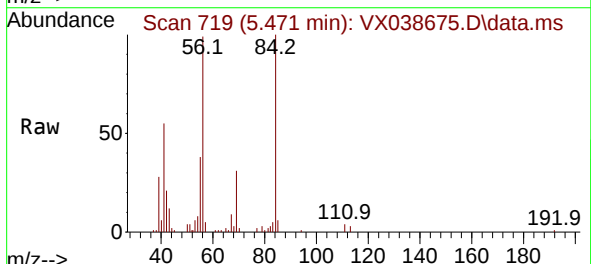
Manual Integrations
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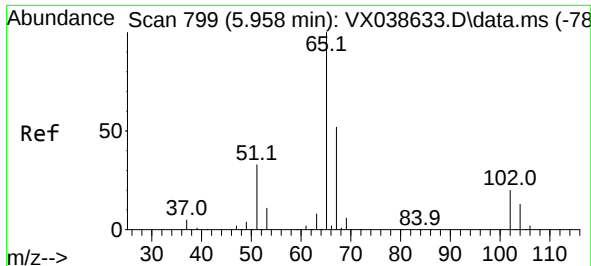
Reviewed By :John Carlone 11/10/2023
Supervised By :Mahesh Dadoda 11/13/2023



#31
Cyclohexane
Concen: 9.317 ug/l
RT: 5.471 min Scan# 719
Delta R.T. -0.006 min
Lab File: VX038675.D
Acq: 09 Nov 2023 13:09

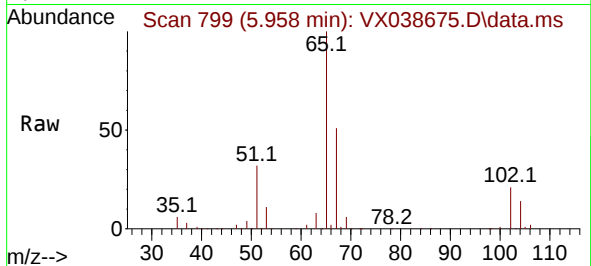
Tgt Ion: 56 Resp: 37306
Ion Ratio Lower Upper
56 100
69 30.6 23.4 35.2
84 101.3 65.9 98.9





#33
 1,2-Dichloroethane-d4
 Concen: 45.895 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX038675.D
 Acq: 09 Nov 2023 13:09

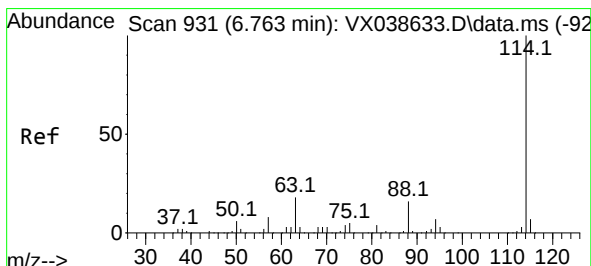
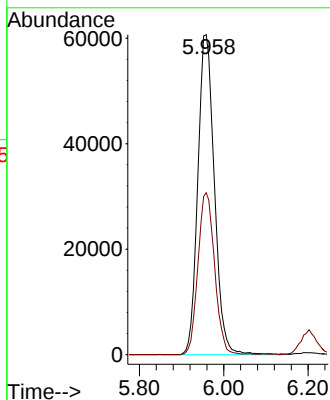
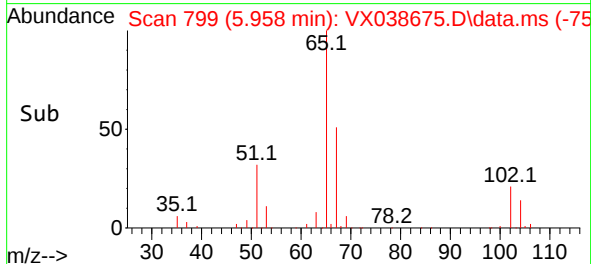
Instrument :
 MSVOA_X
 Client Sample Id :
 50131



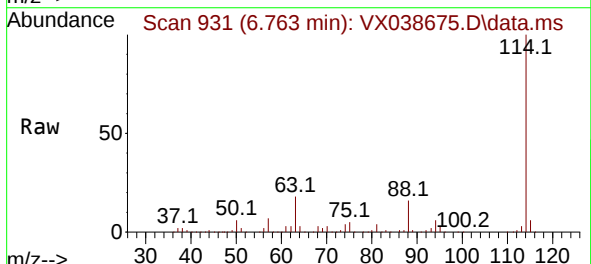
Tgt Ion: 65 Resp: 16604
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 100.2

Manual Integrations
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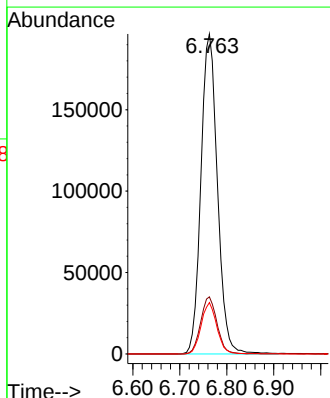
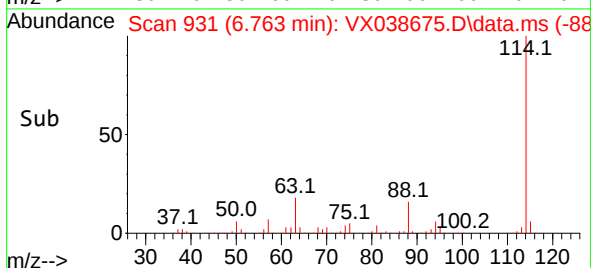
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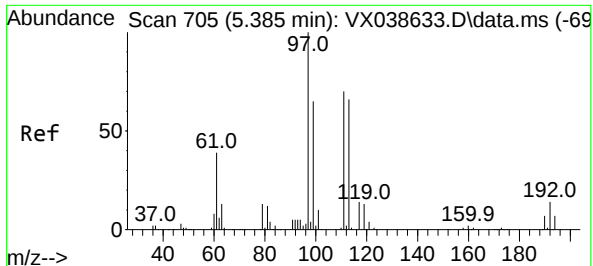


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX038675.D
 Acq: 09 Nov 2023 13:09



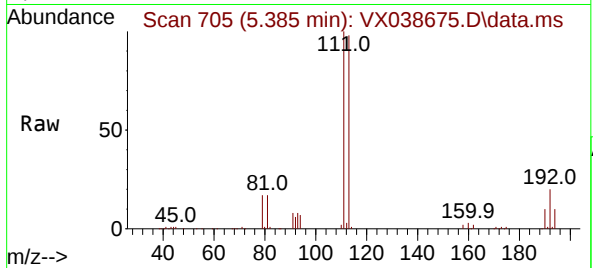
Tgt Ion:114 Resp: 478406
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 45.0
 88 16.0 0.0 36.6





#35
Dibromofluoromethane
Concen: 44.700 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038675.D
Acq: 09 Nov 2023 13:09

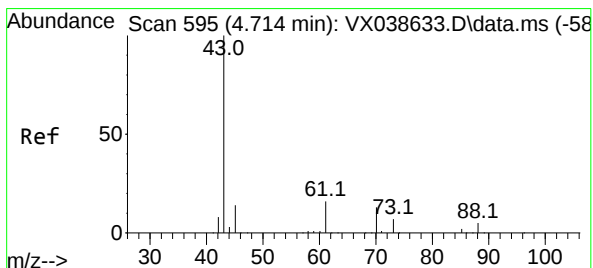
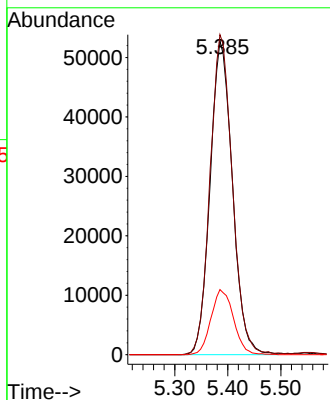
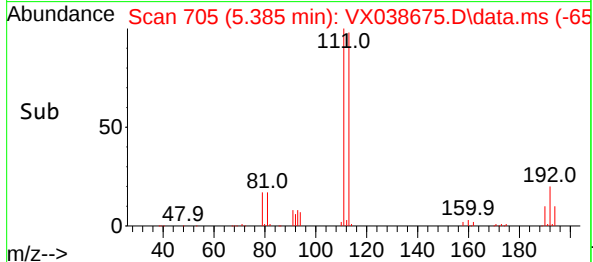
Instrument :
MSVOA_X
ClientSampleId :
50131



Tgt Ion: 113 Resp: 154018
Ion Ratio Lower Upper
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111 102.1 82.9 124.3
192 21.0 13.3 19.9

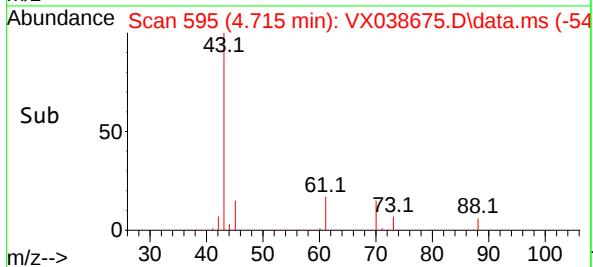
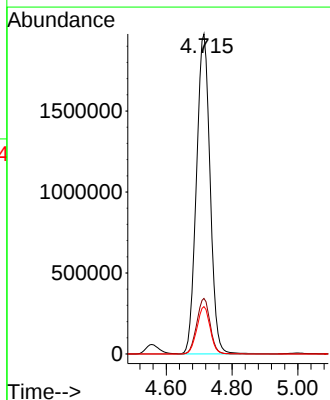
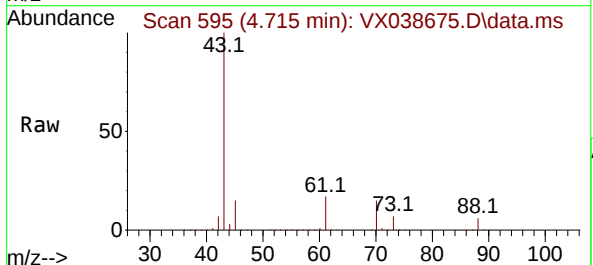
Manual Integrations
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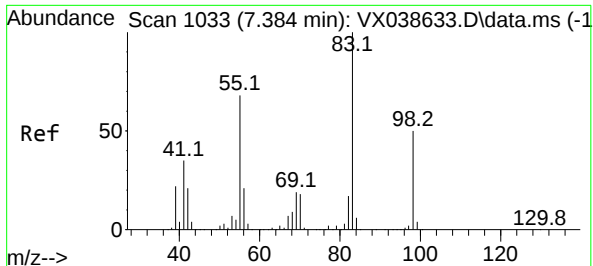
Reviewed By :John Carlone 11/10/2023
Supervised By :Mahesh Dadoda 11/13/2023



#37
Ethyl Acetate
Concen: 1295.705 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.000 min
Lab File: VX038675.D
Acq: 09 Nov 2023 13:09

Tgt Ion: 43 Resp: 5662153
Ion Ratio Lower Upper
43 100
61 17.0 10.6 16.0#
70 14.4 8.3 12.5#





#39

Methylcyclohexane

Concen: 1.822 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VX038675.D

Acq: 09 Nov 2023 13:09

Instrument :

MSVOA_X

ClientSampleId :

50131

Tgt Ion: 83 Resp: 9750

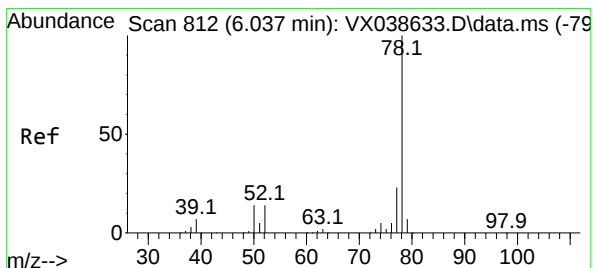
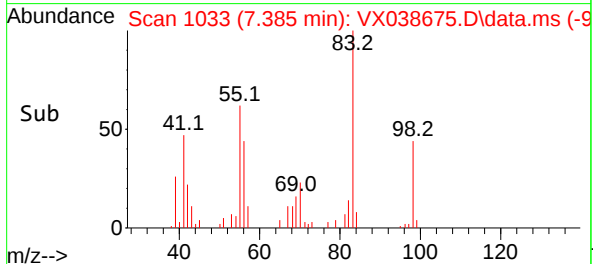
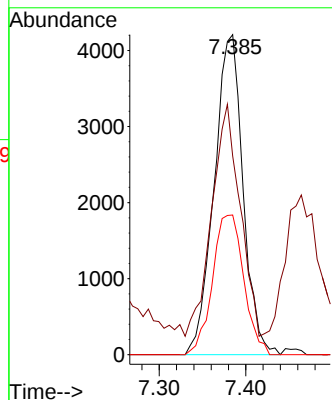
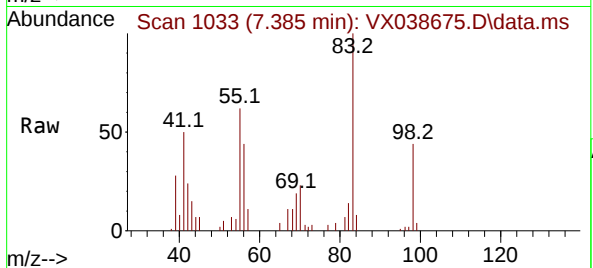
Ion	Ratio	Lower	Upper
83	100		
55	52.7	64.6	97.0
98	43.6	36.7	55.1

Manual Integrations

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Reviewed By :John Carlone 11/10/2023

Supervised By :Mahesh Dadoda 11/13/2023



#40

Benzene

Concen: 562.958 ug/l

RT: 6.044 min Scan# 813

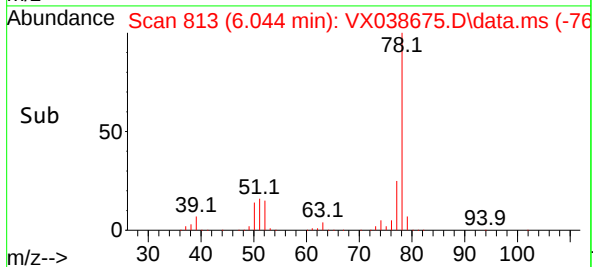
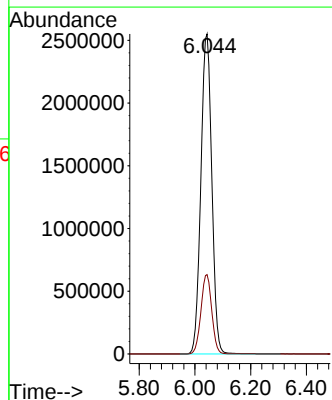
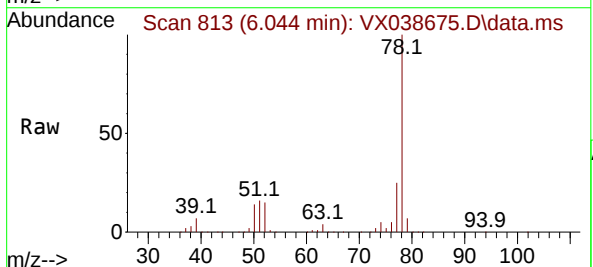
Delta R.T. 0.006 min

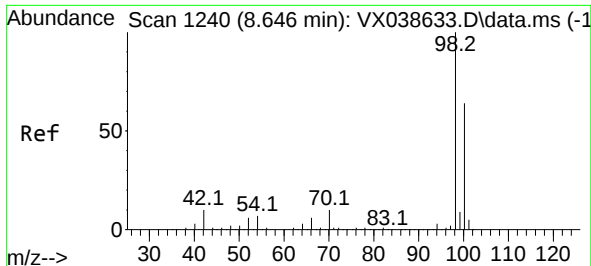
Lab File: VX038675.D

Acq: 09 Nov 2023 13:09

Tgt Ion: 78 Resp: 6940129

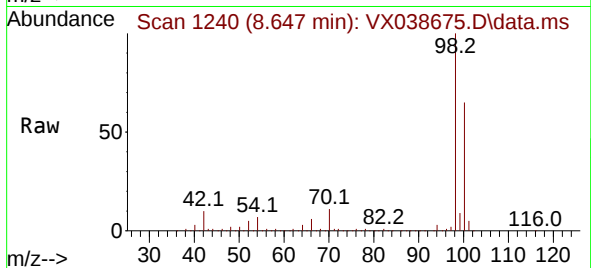
Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.3	28.9





#50
Toluene-d8
Concen: 45.980 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038675.D
Acq: 09 Nov 2023 13:09

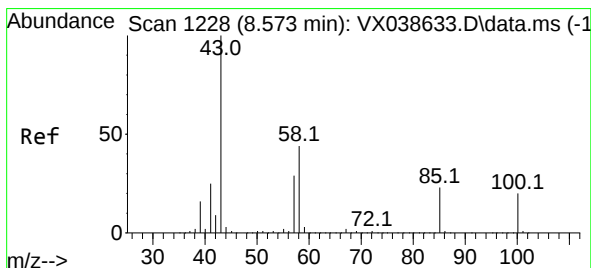
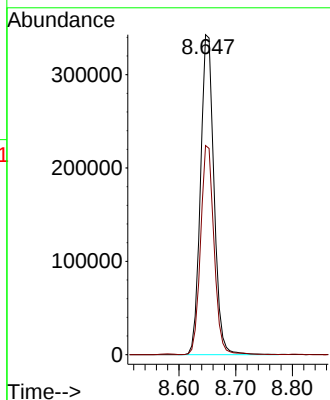
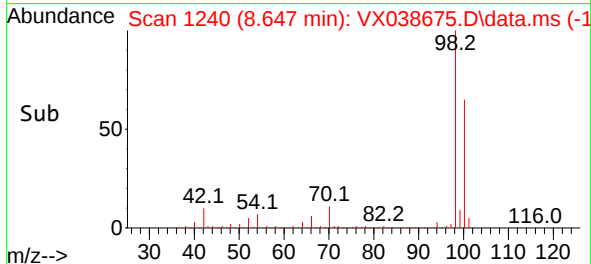
Instrument :
MSVOA_X
ClientSampleId :
50131



Tgt Ion: 98 Resp: 56692
Ion Ratio Lower Upper
98 100
100 65.2 53.1 79.7

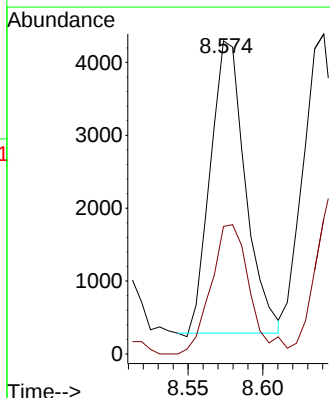
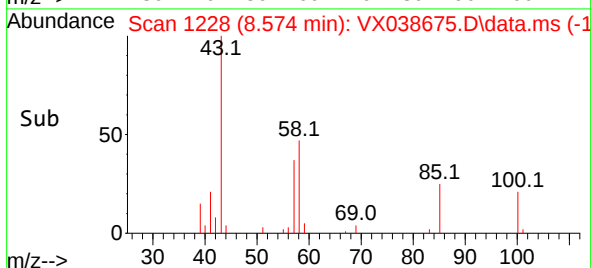
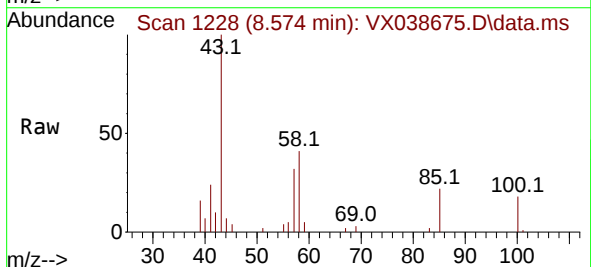
Manual Integrations
APPROVED

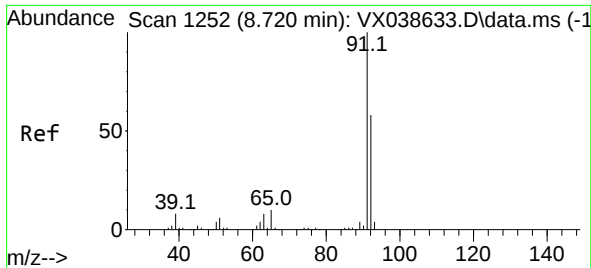
Reviewed By :John Carlone 11/10/2023
Supervised By :Mahesh Dadoda 11/13/2023



#51
4-Methyl-2-Pentanone
Concen: 1.487 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX038675.D
Acq: 09 Nov 2023 13:09

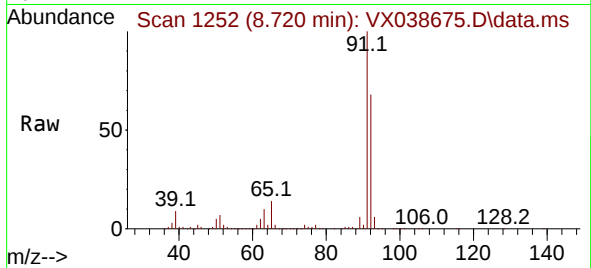
Tgt Ion: 43 Resp: 6510
Ion Ratio Lower Upper
43 100
58 48.8 30.4 45.6





#52
Toluene
Concen: 883.222 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038675.D
Acq: 09 Nov 2023 13:09

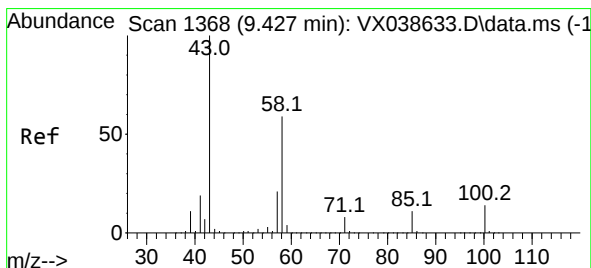
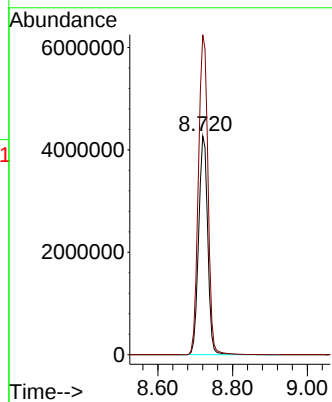
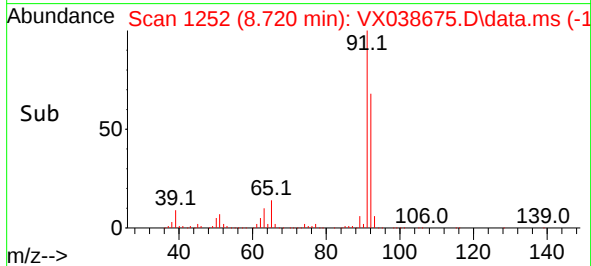
Instrument :
MSVOA_X
ClientSampleId :
50131



Tgt Ion: 92 Resp: 713273
Ion Ratio Lower Upper
92 100
91 154.9 134.2 201.2

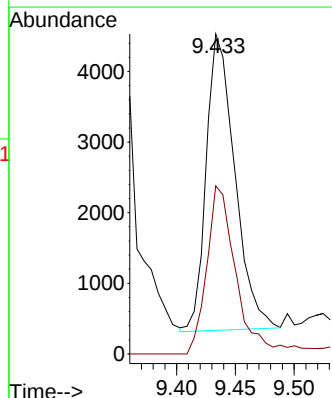
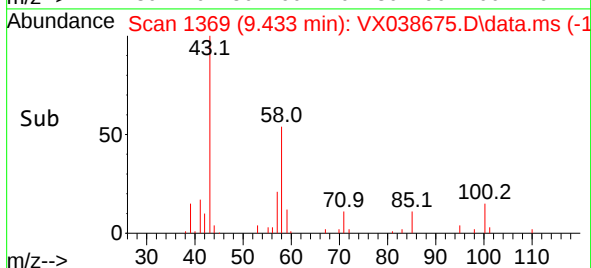
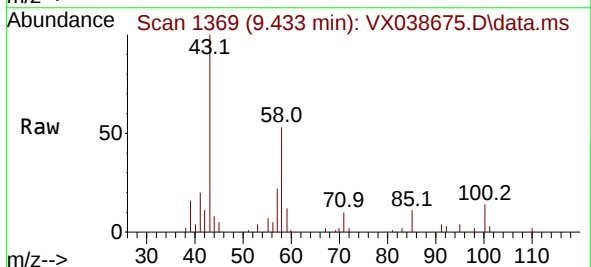
Manual Integrations
APPROVED

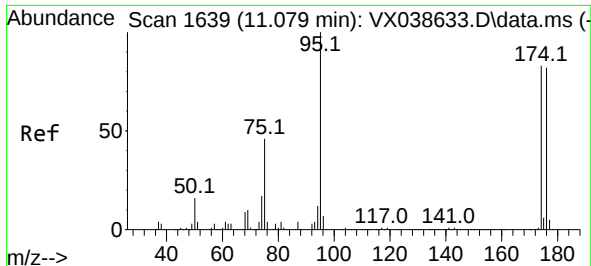
Reviewed By :John Carlone 11/10/2023
Supervised By :Mahesh Dadoda 11/13/2023



#59
2-Hexanone
Concen: 2.002 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX038675.D
Acq: 09 Nov 2023 13:09

Tgt Ion: 43 Resp: 7090
Ion Ratio Lower Upper
43 100
58 59.1 26.2 78.5





#62

4-Bromofluorobenzene

Concen: 51.032 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX038675.D

Acq: 09 Nov 2023 13:09

Instrument :

MSVOA_X

ClientSampleId :

50131

Tgt Ion: 95 Resp: 243950

Ion Ratio Lower Upper

95 100

174 86.7 0.0 135.6

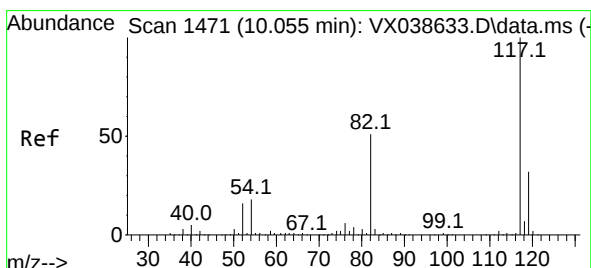
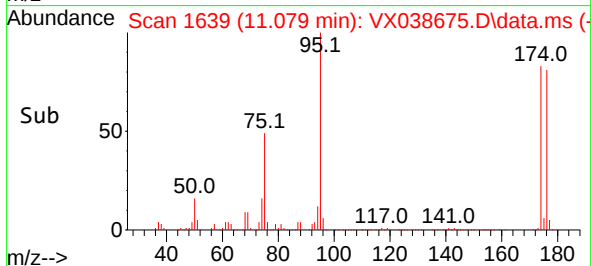
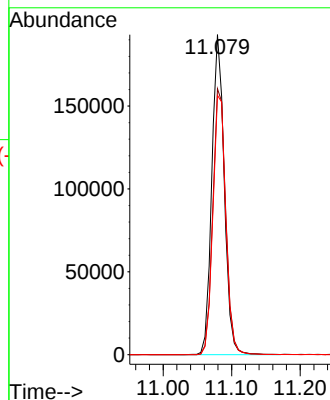
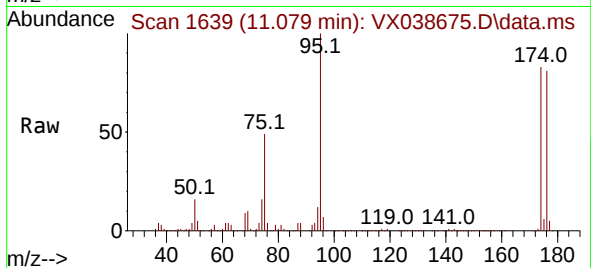
176 84.5 0.0 131.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/10/2023

Supervised By :Mahesh Dadoda 11/13/2023



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX038675.D

Acq: 09 Nov 2023 13:09

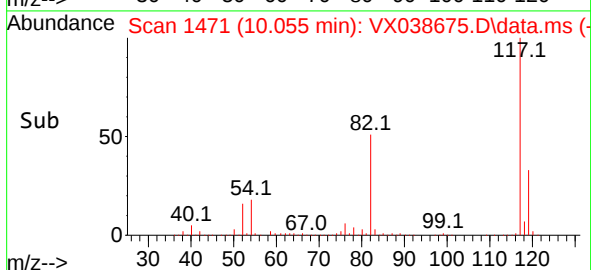
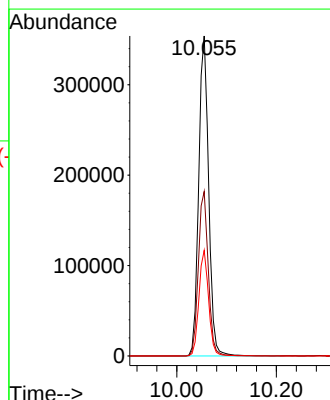
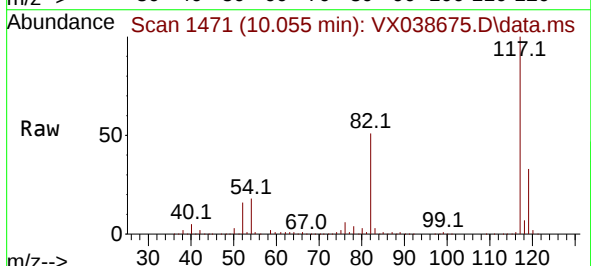
Tgt Ion:117 Resp: 488029

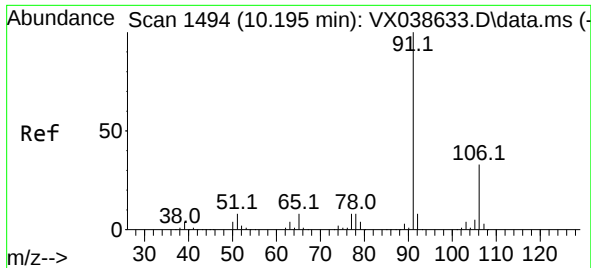
Ion Ratio Lower Upper

117 100

82 51.4 46.2 69.4

119 33.0 25.5 38.3





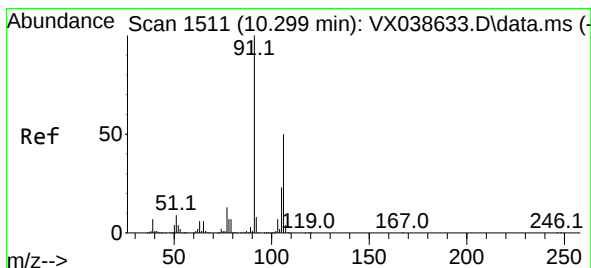
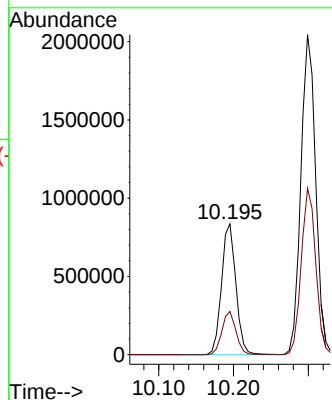
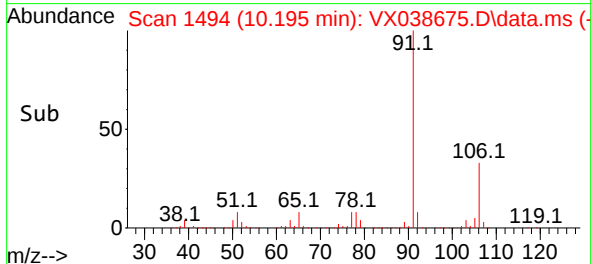
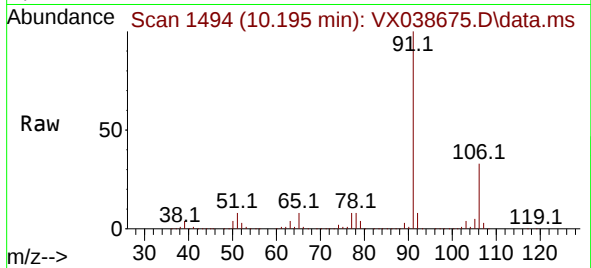
#67
Ethyl Benzene
Concen: 66.624 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX038675.D
Acq: 09 Nov 2023 13:09

Instrument :
MSVOA_X
ClientSampleId :
50131

Tgt Ion: 91 Resp: 111959
Ion Ratio Lower Upper
91 100
106 33.1 24.9 37.3

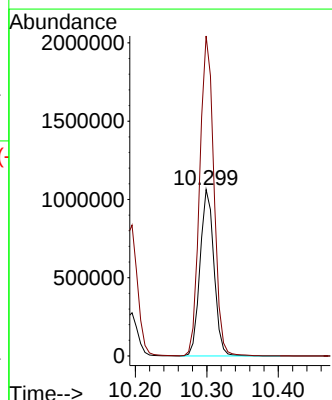
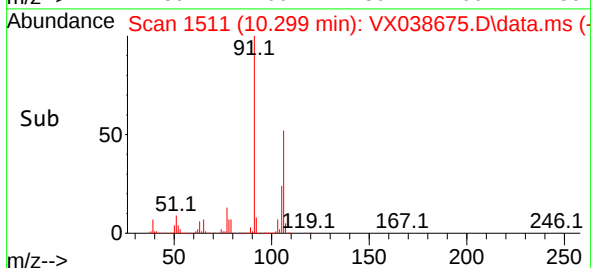
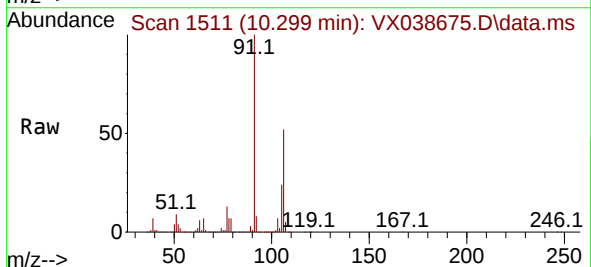
Manual Integrations
APPROVED

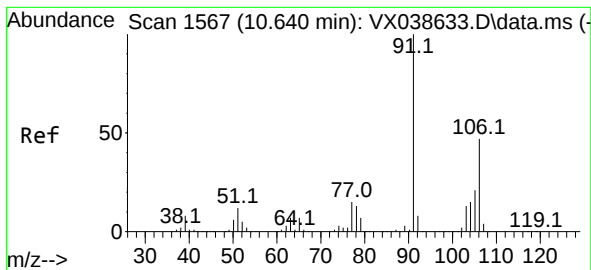
Reviewed By :John Carlone 11/10/2023
Supervised By :Mahesh Dadoda 11/13/2023



#68
m/p-Xylenes
Concen: 215.370 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX038675.D
Acq: 09 Nov 2023 13:09

Tgt Ion:106 Resp: 1436422
Ion Ratio Lower Upper
106 100
91 195.8 165.5 248.3





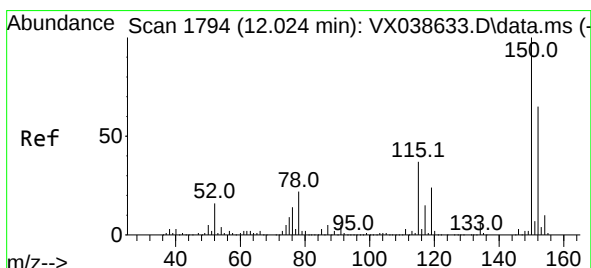
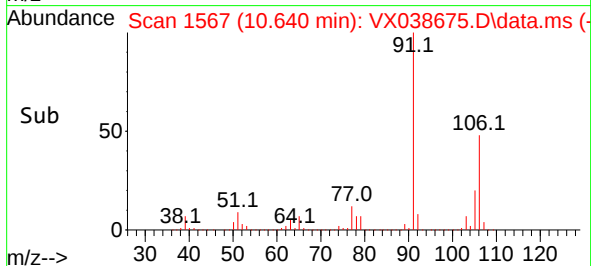
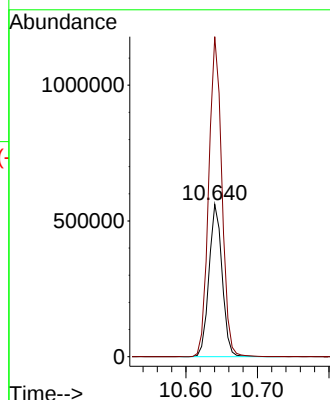
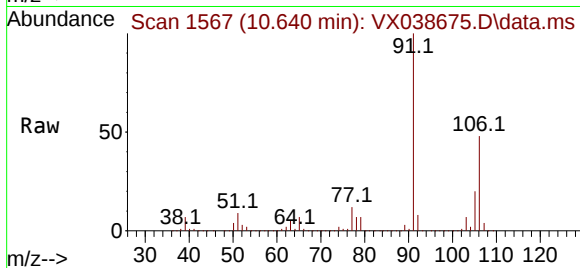
#69
o-Xylene
Concen: 110.143 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038675.D
Acq: 09 Nov 2023 13:09

Instrument :
MSVOA_X
ClientSampleId :
50131

Tgt Ion:106 Resp: 714379
Ion Ratio Lower Upper
106 100
91 210.0 108.9 326.8

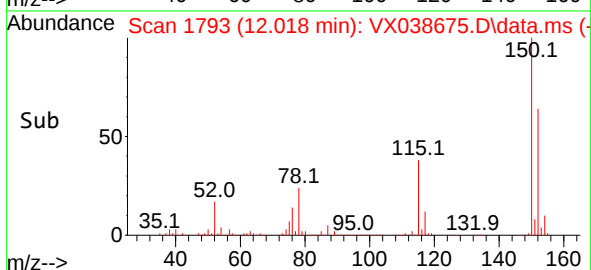
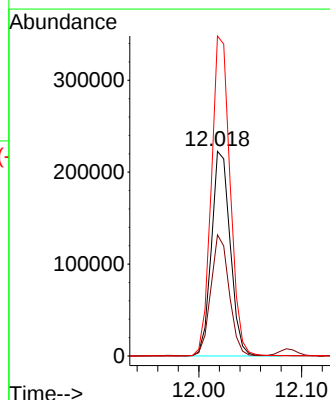
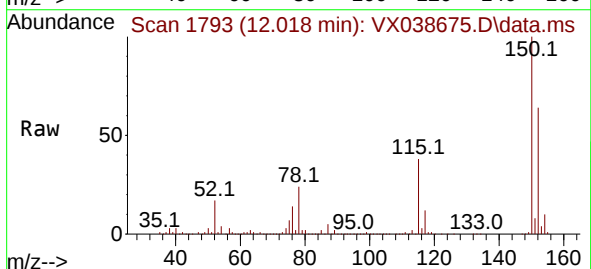
Manual Integrations
APPROVED

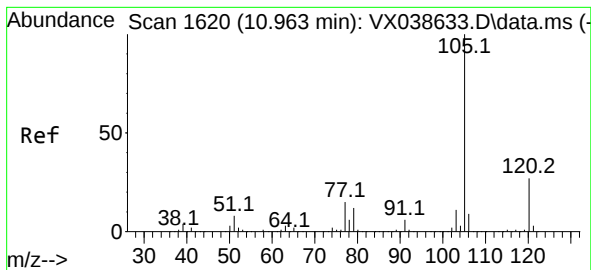
Reviewed By :John Carlone 11/10/2023
Supervised By :Mahesh Dadoda 11/13/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX038675.D
Acq: 09 Nov 2023 13:09

Tgt Ion:152 Resp: 281586
Ion Ratio Lower Upper
152 100
115 57.7 43.3 129.9
150 157.2 0.0 345.0





#73

Isopropylbenzene

Concen: 2.642 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX038675.D

Acq: 09 Nov 2023 13:09

Instrument :

MSVOA_X

ClientSampleId :

50131

Tgt Ion:105 Resp: 4563

Ion Ratio Lower Upper

105 100

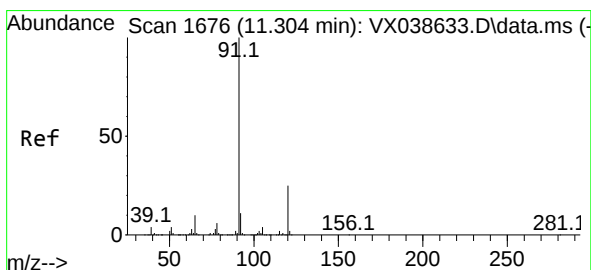
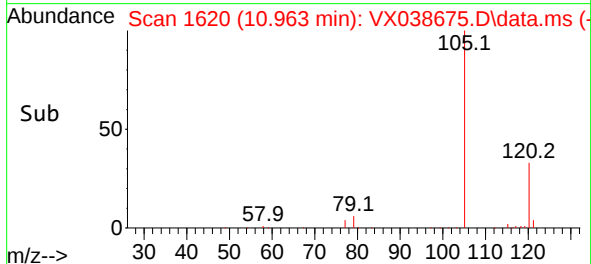
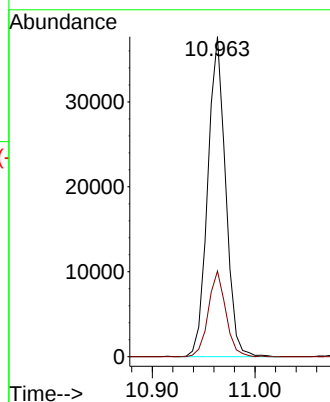
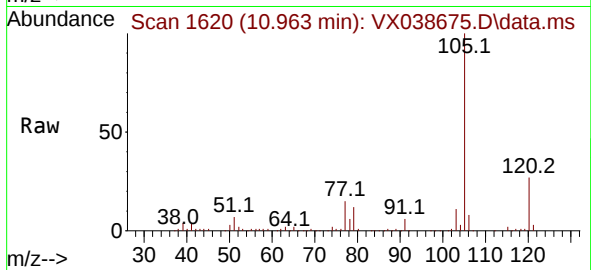
120 26.1 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/10/2023

Supervised By :Mahesh Dadoda 11/13/2023



#78

n-propylbenzene

Concen: 4.252 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX038675.D

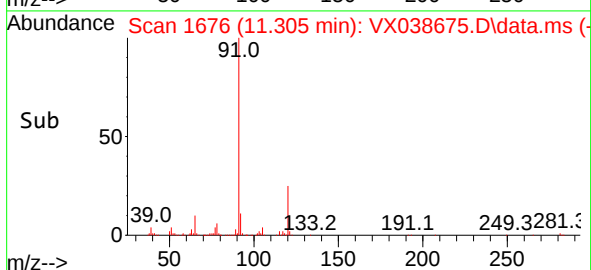
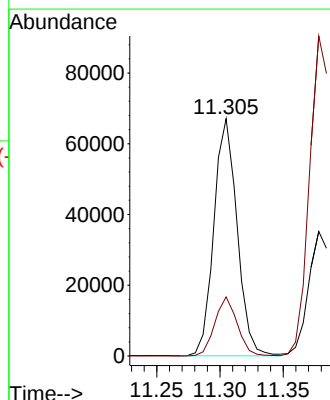
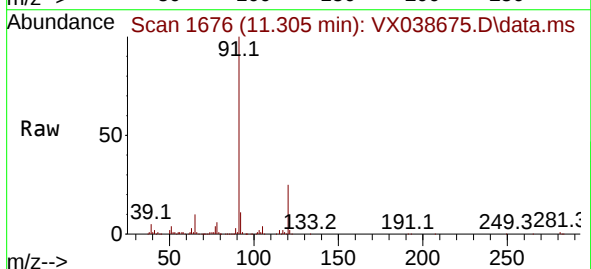
Acq: 09 Nov 2023 13:09

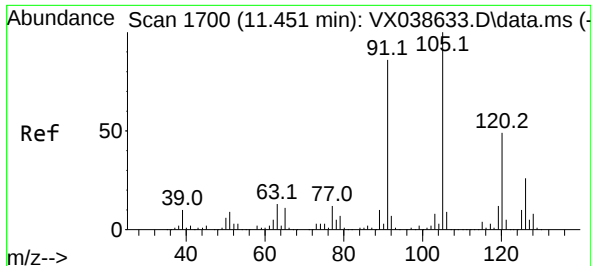
Tgt Ion: 91 Resp: 85467

Ion Ratio Lower Upper

91 100

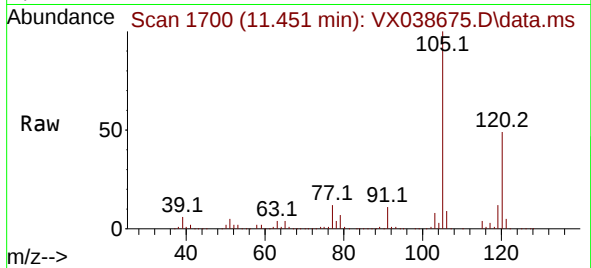
120 24.0 11.5 34.4





#80
1,3,5-Trimethylbenzene
Concen: 9.105 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX038675.D
Acq: 09 Nov 2023 13:09

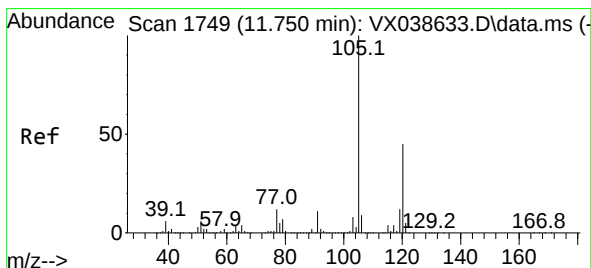
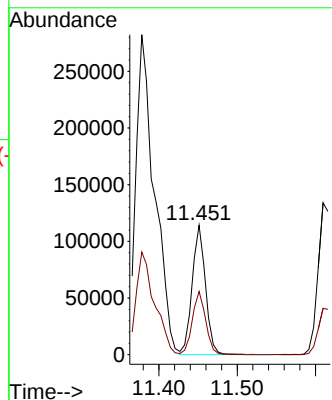
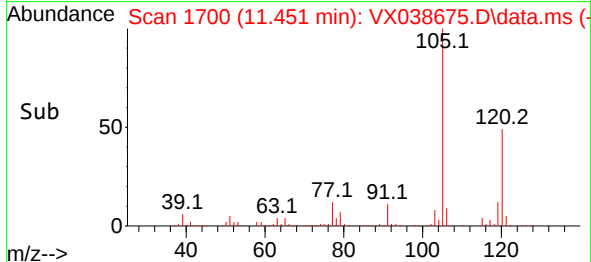
Instrument :
MSVOA_X
ClientSampleId :
50131



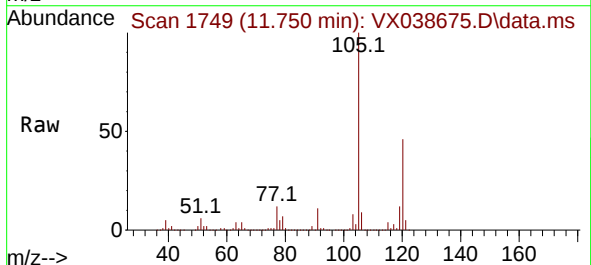
Tgt Ion:105 Resp: 135369
Ion Ratio Lower Upper
105 100
120 49.1 24.1 72.3

Manual Integrations
APPROVED

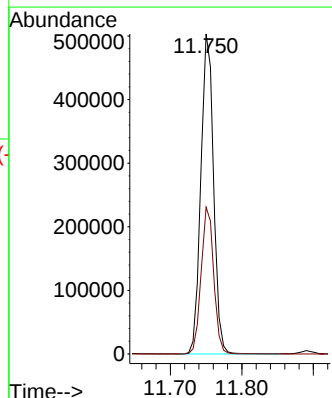
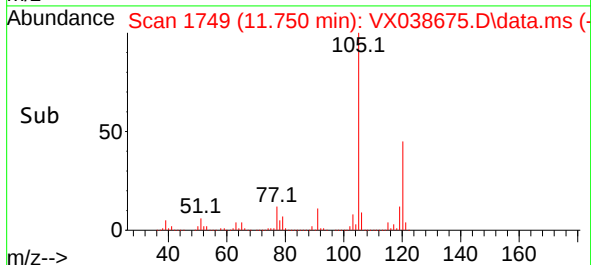
Reviewed By :John Carlone 11/10/2023
Supervised By :Mahesh Dadoda 11/13/2023

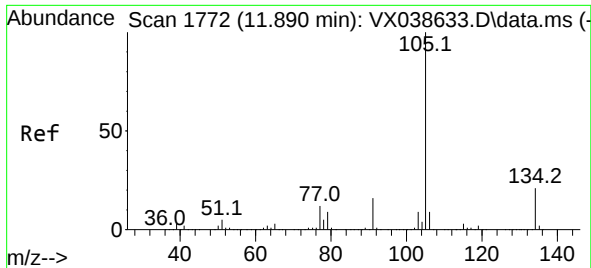


#84
1,2,4-Trimethylbenzene
Concen: 41.978 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX038675.D
Acq: 09 Nov 2023 13:09



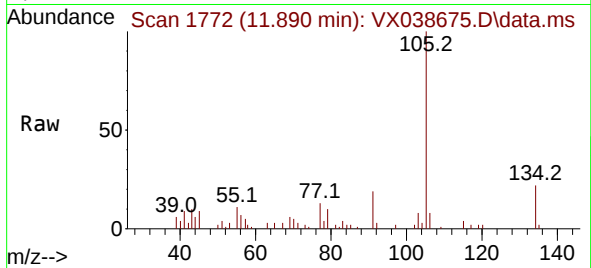
Tgt Ion:105 Resp: 619022
Ion Ratio Lower Upper
105 100
120 45.6 21.2 63.6





#85
 sec-Butylbenzene
 Concen: 0.347 ug/l m
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX038675.D
 Acq: 09 Nov 2023 13:09

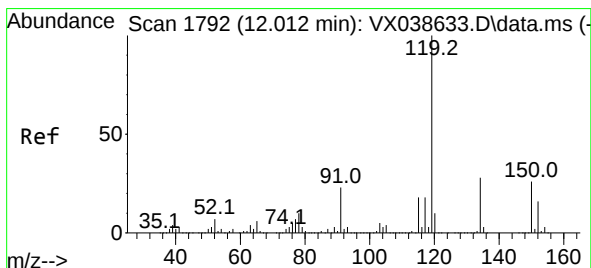
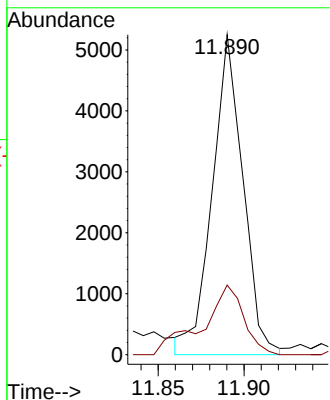
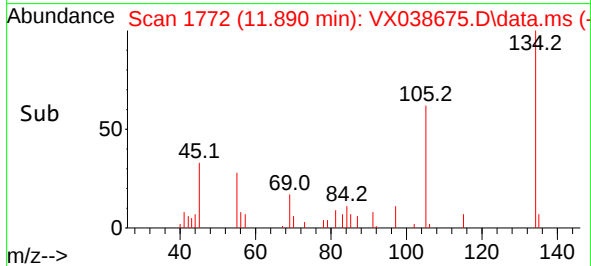
Instrument :
 MSVOA_X
 ClientSampleId :
 50131



Tgt Ion:105 Resp: 6530
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.4

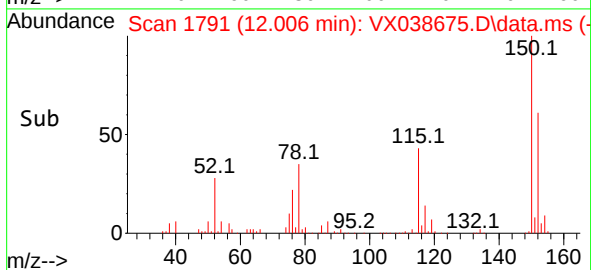
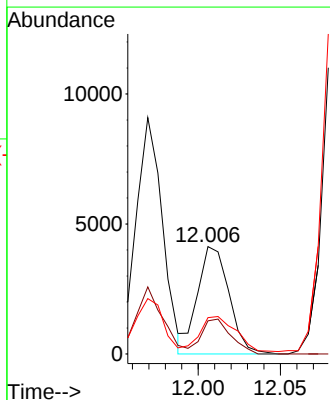
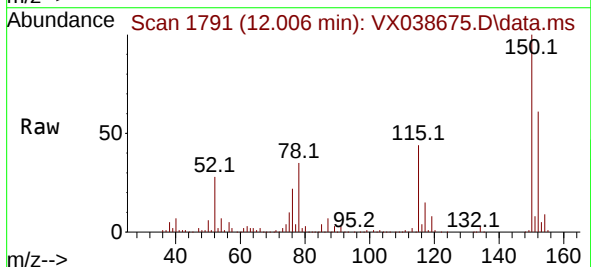
Manual Integrations
 APPROVED

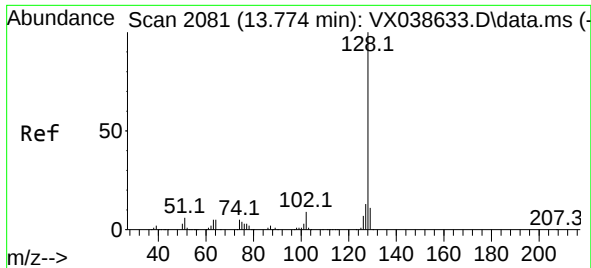
Reviewed By :John Carlone 11/10/2023
 Supervised By :Mahesh Dadoda 11/13/2023



#86
 p-Isopropyltoluene
 Concen: 0.344 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: VX038675.D
 Acq: 09 Nov 2023 13:09

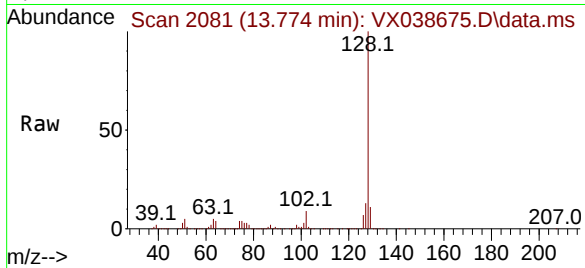
Tgt Ion:119 Resp: 5513
 Ion Ratio Lower Upper
 119 100
 134 30.1 12.8 38.3
 91 38.3 13.1 39.3





#95
Naphthalene
Concen: 16.982 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX038675.D
Acq: 09 Nov 2023 13:09

Instrument :
MSVOA_X
ClientSampleId :
50131



Tgt Ion:128 Resp: 324335
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.3 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/10/2023
Supervised By :Mahesh Dadoda 11/13/2023

