

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092123\
 Data File : VX037848.D
 Acq On : 21 Sep 2023 12:31
 Operator : JC/MD
 Sample : 04554-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 230920054-02-VOA

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

09/22/2023
 Supervised By :Mahesh
 Dadoda

Quant Time: Sep 22 04:41:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	242400	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	398886	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	383703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	200759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	146527	46.009	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.020%
35) Dibromofluoromethane	5.391	113	124596	46.683	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.360%
50) Toluene-d8	8.647	98	483779	48.783	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.560%
62) 4-Bromofluorobenzene	11.079	95	184071	51.080	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.160%
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.374	62	1478	0.493	ug/l	99
8) Diethyl Ether	2.136	74	5239	2.805	ug/l	85
11) Tert butyl alcohol	2.946	59	2900454	4242.896	ug/l	# 91
16) Acetone	2.373	43	30523	19.923	ug/l	# 89
17) Carbon Disulfide	2.514	76	2303	0.388	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	14531	1.670	ug/l	93
25) 2-Butanone	4.568	43	111283	51.472	ug/l	# 82
29) Tetrahydrofuran	5.001	42	639060	475.207	ug/l	89
40) Benzene	6.043	78	42463	3.756	ug/l	98
49) 1,4-Dioxane	7.665	88	6791	83.841	ug/l	# 94
51) 4-Methyl-2-Pentanone	8.574	43	7400	1.805	ug/l	91
52) Toluene	8.720	92	21722	2.981	ug/l	93
65) Chlorobenzene	10.079	112	7574	0.915	ug/l	# 84
67) Ethyl Benzene	10.195	91	32763	2.283	ug/l	99
68) m/p-Xylenes	10.299	106	46655	8.414	ug/l	98
69) o-Xylene	10.640	106	31390	5.645	ug/l	99
73) Isopropylbenzene	10.963	105	8910	0.605	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	8914	0.717	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	37057	2.994	ug/l	93
86) p-Isopropyltoluene	12.012	119	9366	0.737	ug/l	83
88) 1,4-Dichlorobenzene	12.042	146	22182	3.190	ug/l	94
95) Naphthalene	13.774	128	127023	9.190	ug/l	99

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

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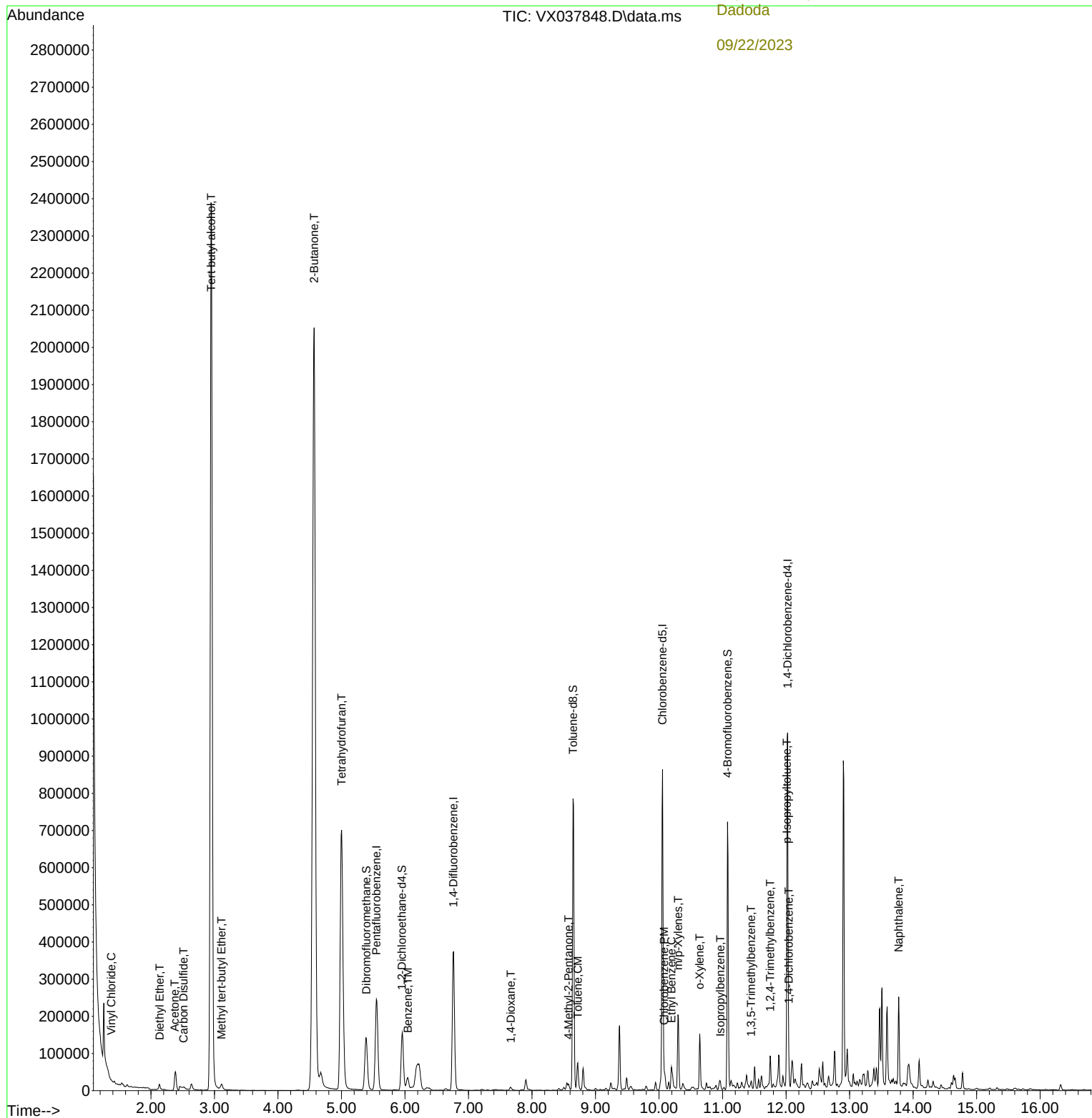
Quant Time: Sep 22 04:41:50 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 16 04:55:44 2023
Response via : Initial Calibration

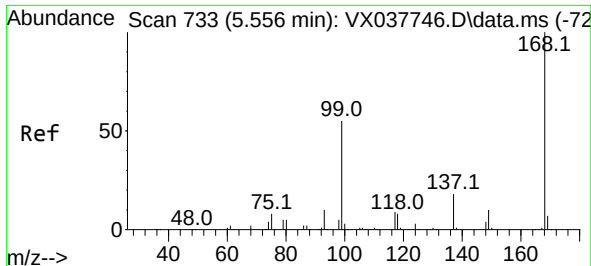
Manual Integrations
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09/22/2023
Supervised By :Mahesh
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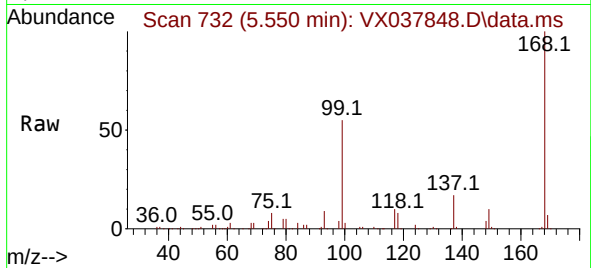
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

Instrument :
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ClientSampleId :
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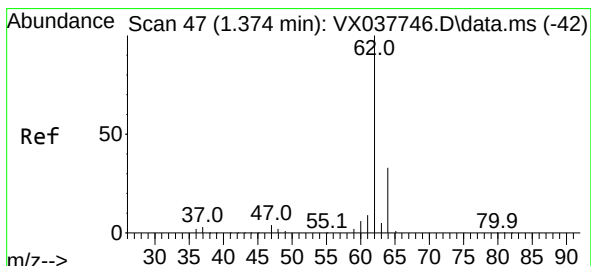
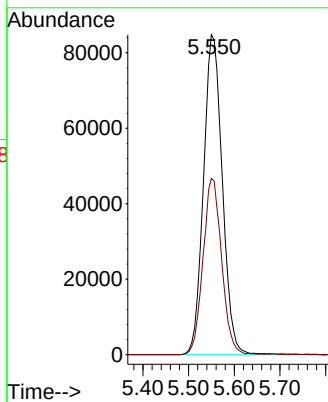
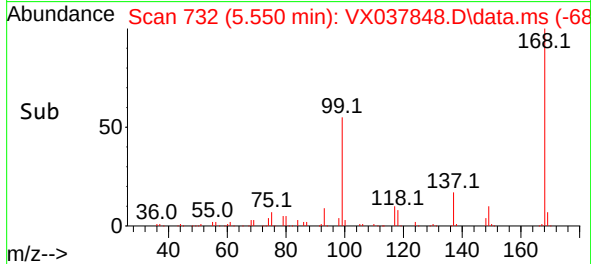
Tgt Ion:168 Resp: 242400
Ion Ratio Lower Upper
168 100
99 55.1 56.6 85.0

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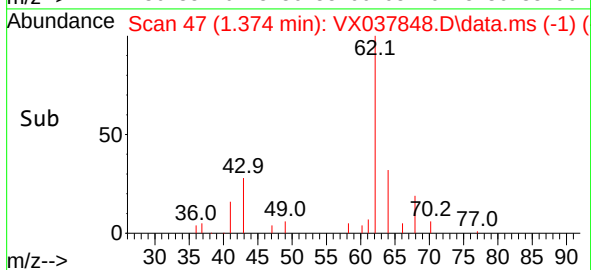
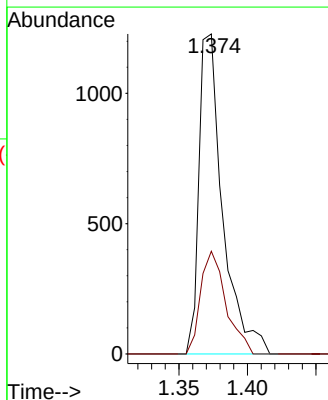
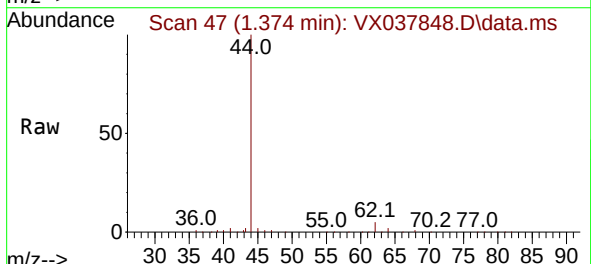
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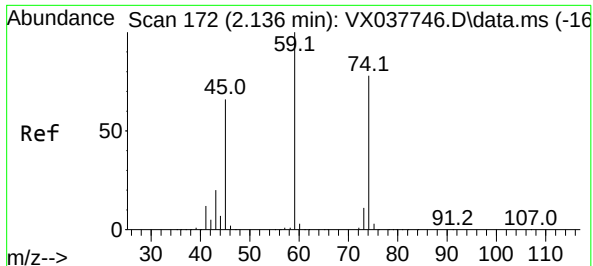
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#4
Vinyl Chloride
Concen: 0.493 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

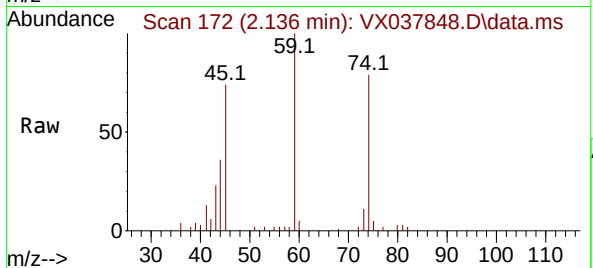
Tgt Ion: 62 Resp: 1478
Ion Ratio Lower Upper
62 100
64 32.1 25.4 38.0





#8
Diethyl Ether
Concen: 2.805 ug/l
RT: 2.136 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

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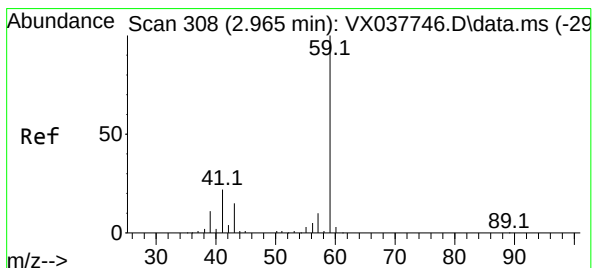
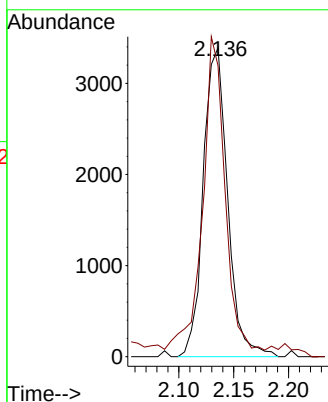
Tgt Ion: 74 Resp: 5239
Ion Ratio Lower Upper
74 100
45 91.1 53.3 159.8

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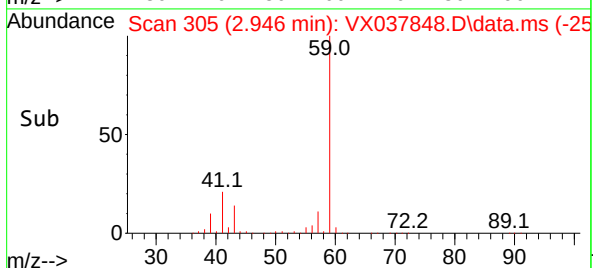
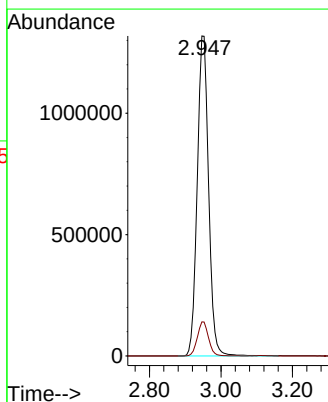
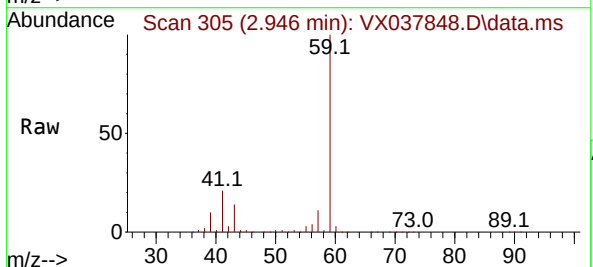
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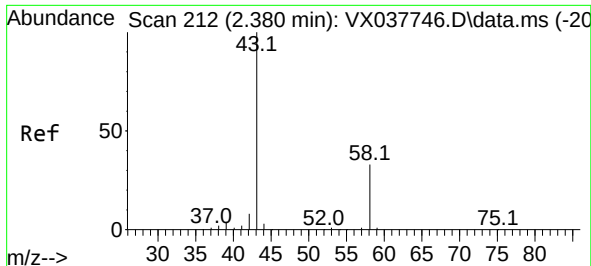
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#11
Tert butyl alcohol
Concen: 4242.896 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

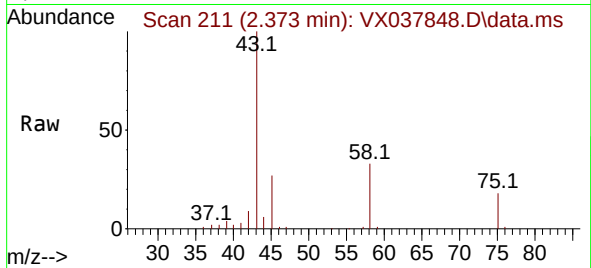
Tgt Ion: 59 Resp: 2900454
Ion Ratio Lower Upper
59 100
57 10.5 6.0 9.0#





#16
Acetone
Concen: 19.923 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

Instrument :
MSVOA_X
ClientSampleId :
230920054-02-VOA



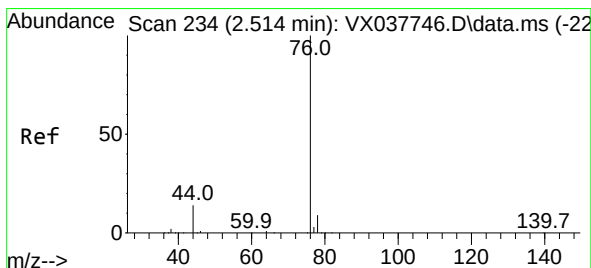
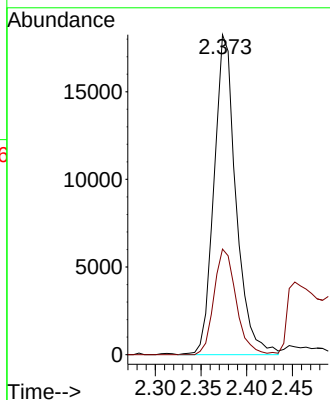
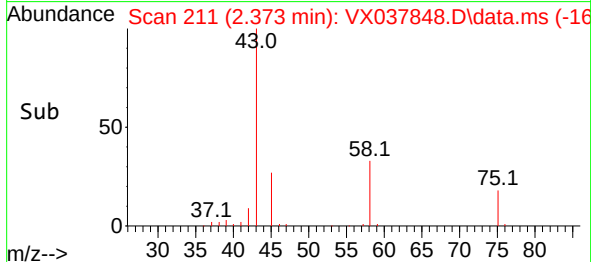
Tgt Ion: 43 Resp: 3052
Ion Ratio Lower Upper
43 100
58 33.0 21.9 32.9

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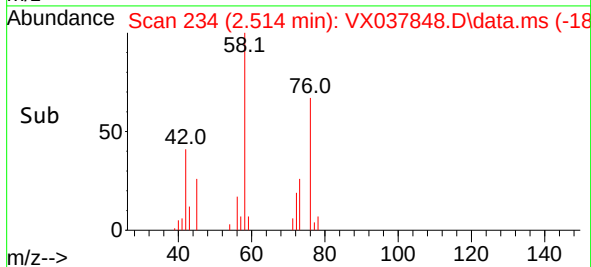
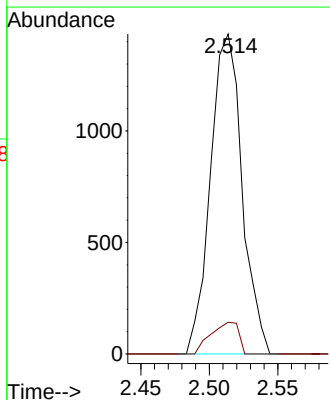
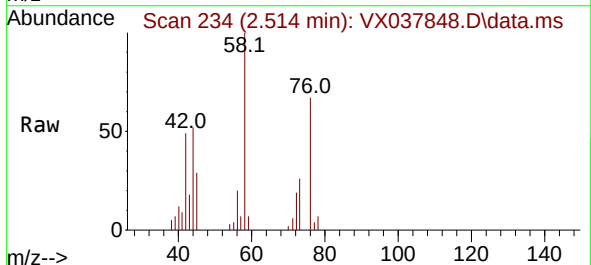
09/22/2023
Supervised By :Mahesh
Dadoda

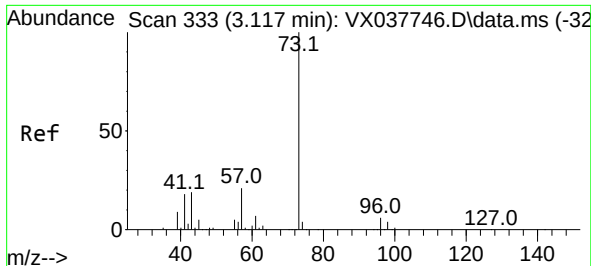
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#17
Carbon Disulfide
Concen: 0.388 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

Tgt Ion: 76 Resp: 2303
Ion Ratio Lower Upper
76 100
78 9.9 7.0 10.6





#19

Methyl tert-butyl Ether

Concen: 1.670 ug/l

RT: 3.111 min Scan# 31

Delta R.T. -0.012 min

Lab File: VX037848.D

Acq: 21 Sep 2023 12:31

Instrument :

MSVOA_X

ClientSampleId :

230920054-02-VOA

Tgt Ion: 73 Resp: 1453

Ion Ratio Lower Upper

73 100

57 25.1 17.3 25.9

Manual Integrations

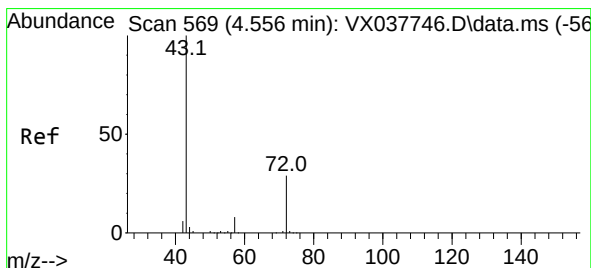
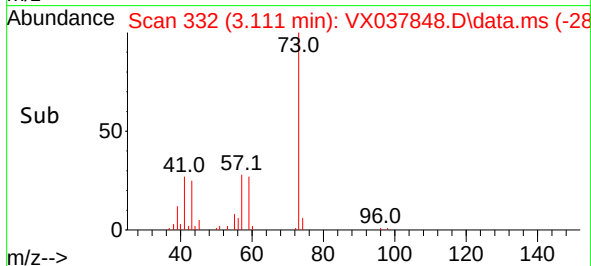
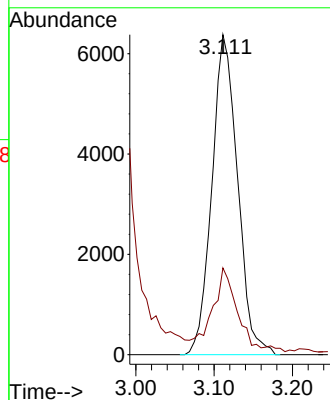
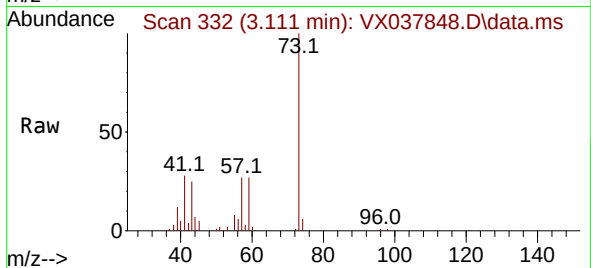
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#25

2-Butanone

Concen: 51.472 ug/l

RT: 4.568 min Scan# 571

Delta R.T. -0.000 min

Lab File: VX037848.D

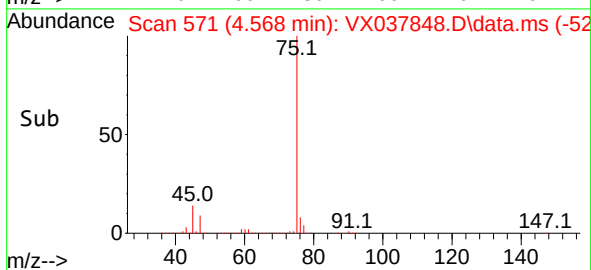
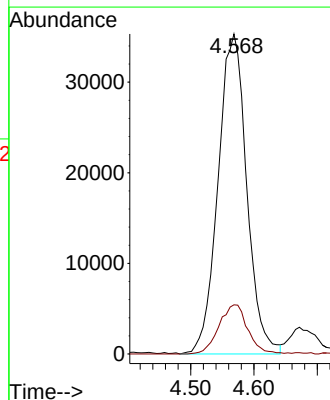
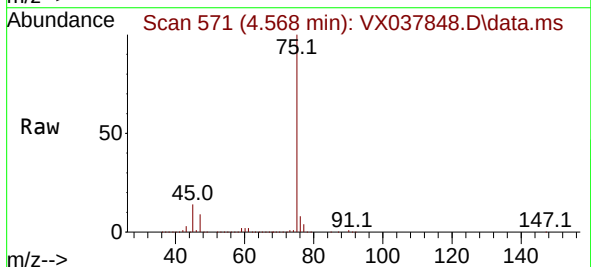
Acq: 21 Sep 2023 12:31

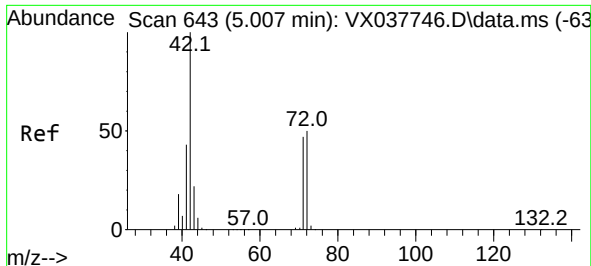
Tgt Ion: 43 Resp: 111283

Ion Ratio Lower Upper

43 100

72 15.4 19.4 29.2#





#29

Tetrahydrofuran

Concen: 475.207 ug/l

RT: 5.001 min Scan# 643

Delta R.T. -0.012 min

Lab File: VX037848.D

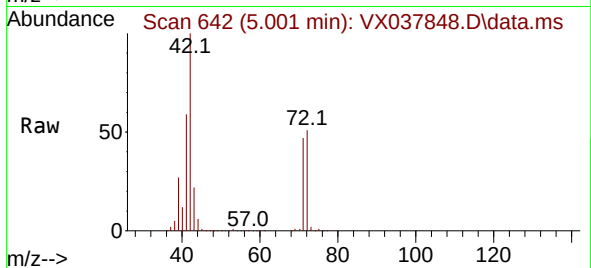
Acq: 21 Sep 2023 12:31

Instrument :

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ClientSampleId :

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Tgt Ion: 42 Resp: 639060

Ion Ratio Lower Upper

42 100

72 49.9 34.2 51.4

71 46.9 32.2 48.2

Manual Integrations

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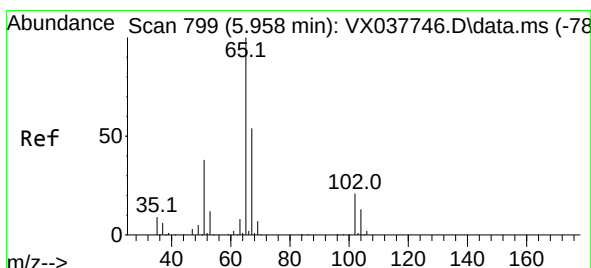
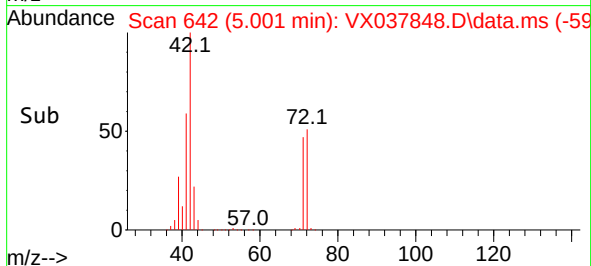
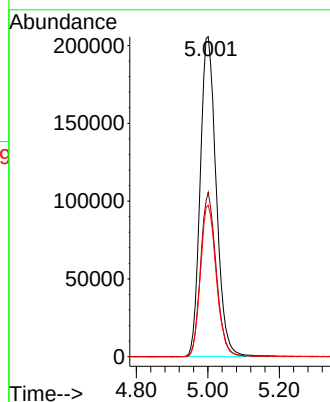
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#33

1,2-Dichloroethane-d4

Concen: 46.009 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX037848.D

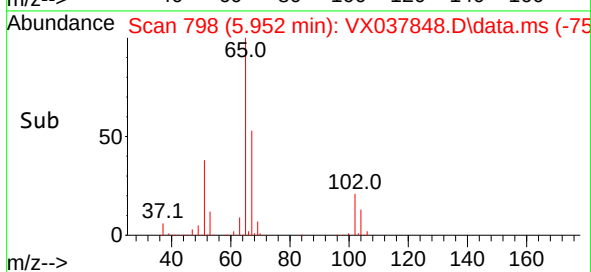
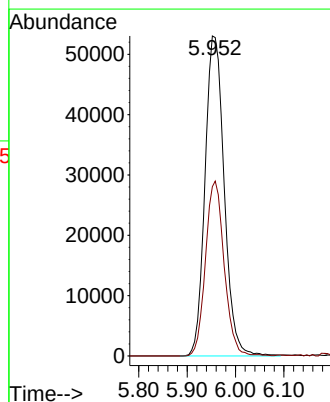
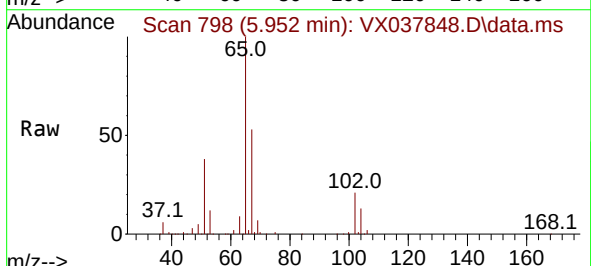
Acq: 21 Sep 2023 12:31

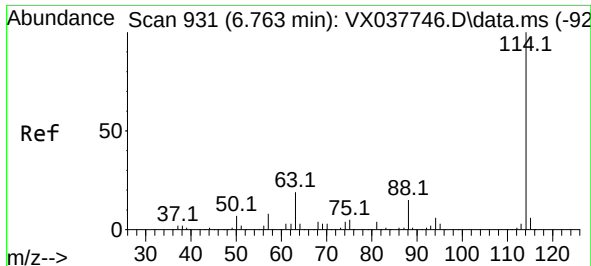
Tgt Ion: 65 Resp: 146527

Ion Ratio Lower Upper

65 100

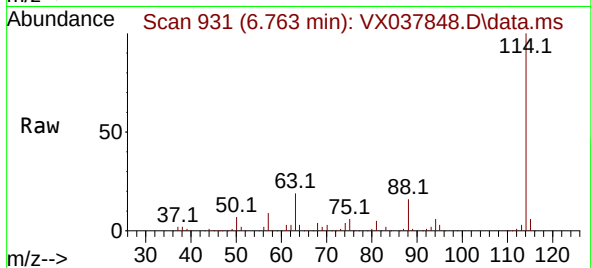
67 53.2 0.0 100.2





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 914
Delta R.T. -0.000 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

Instrument :
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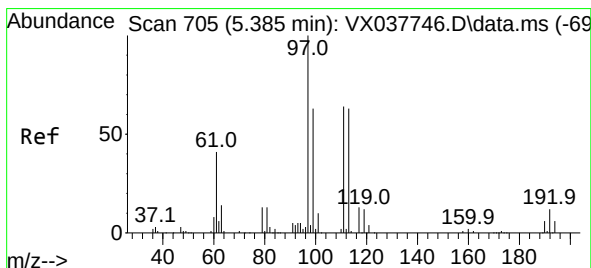
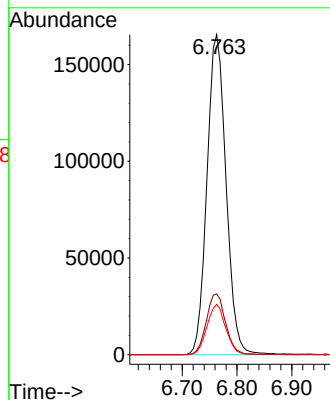
Tgt Ion:114 Resp: 398880
Ion Ratio Lower Upper
114 100
63 19.0 0.0 45.0
88 15.7 0.0 36.6

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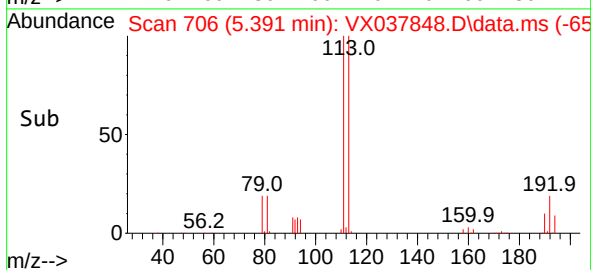
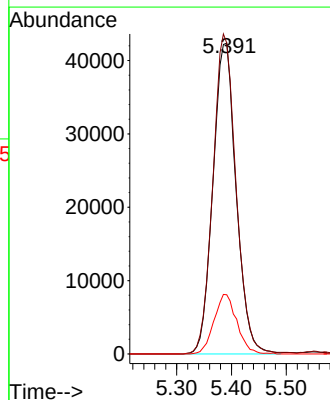
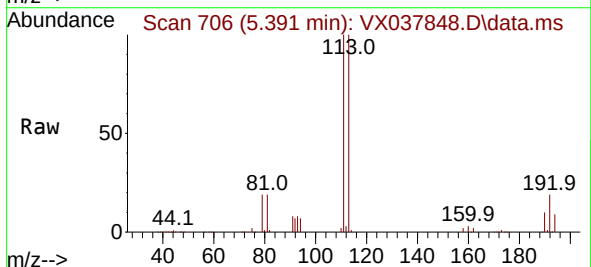
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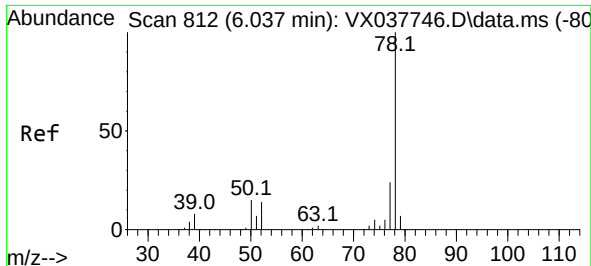
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#35
Dibromofluoromethane
Concen: 46.683 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

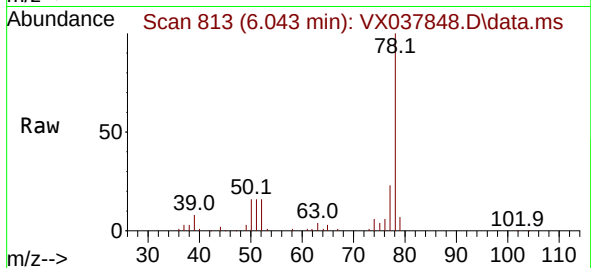
Tgt Ion:113 Resp: 124596
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 18.9 13.3 19.9





#40
Benzene
Concen: 3.756 ug/l
RT: 6.043 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

Instrument :
MSVOA_X
ClientSampleId :
230920054-02-VOA



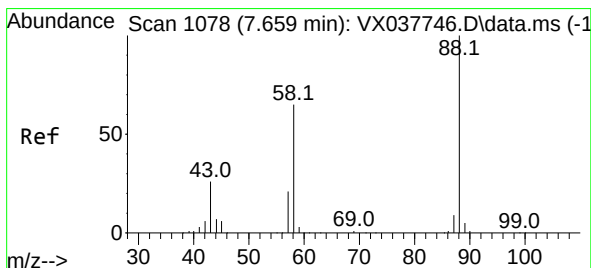
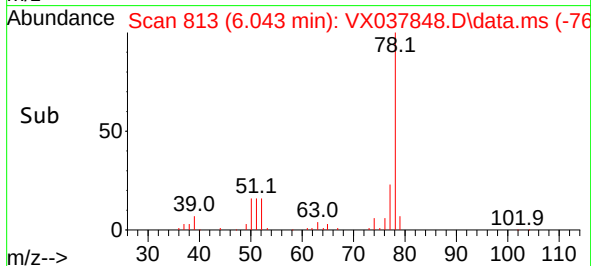
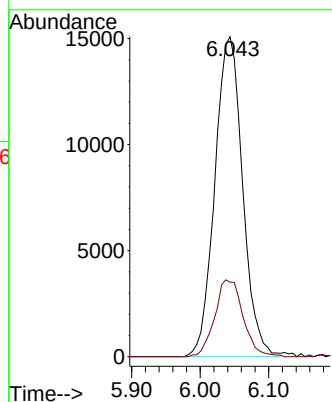
Tgt Ion: 78 Resp: 4246
Ion Ratio Lower Upper
78 100
77 23.3 19.3 28.9

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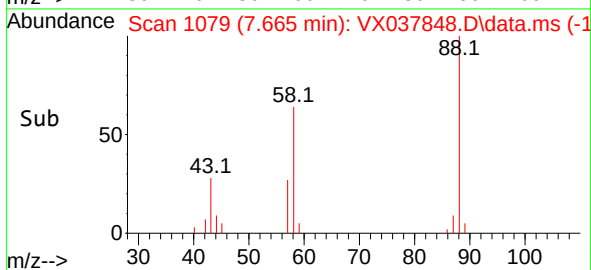
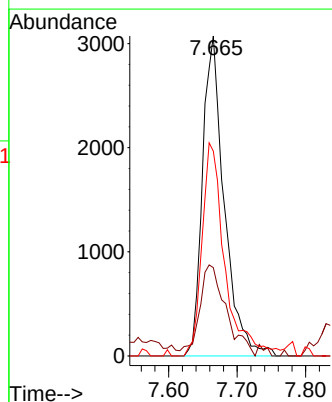
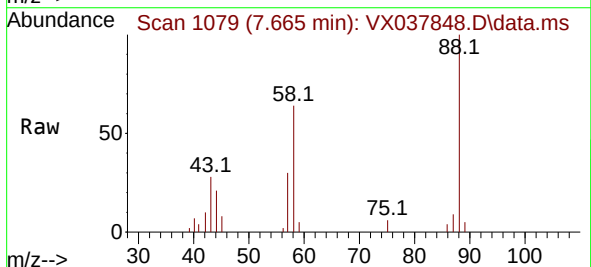
09/22/2023
Supervised By :Mahesh
Dadoda

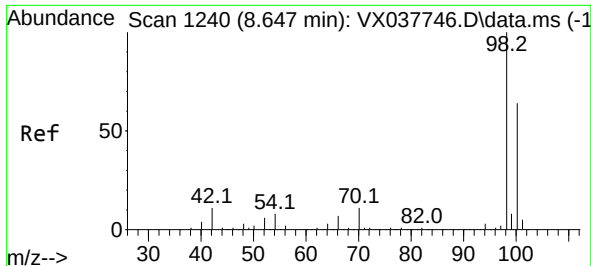
09/22/2023



#49
1,4-Dioxane
Concen: 83.841 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. -0.006 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

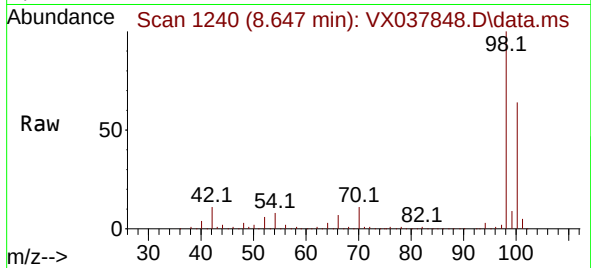
Tgt Ion: 88 Resp: 6791
Ion Ratio Lower Upper
88 100
43 34.7 0.0 0.0#
58 69.9 60.1 90.1





#50
Toluene-d8
Concen: 48.783 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

Instrument :
MSVOA_X
ClientSampleId :
230920054-02-VOA



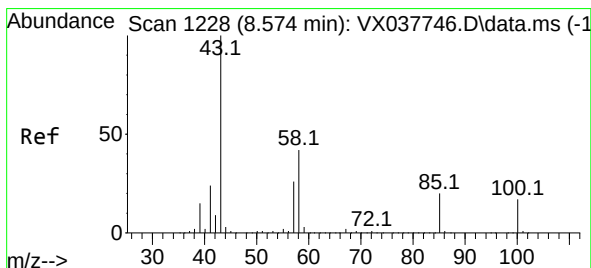
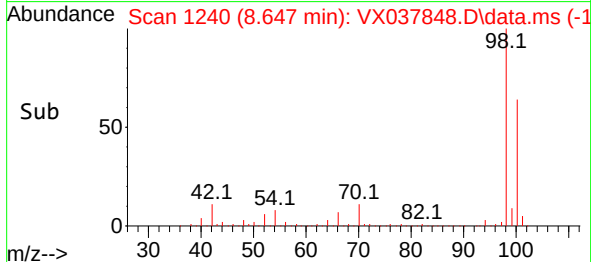
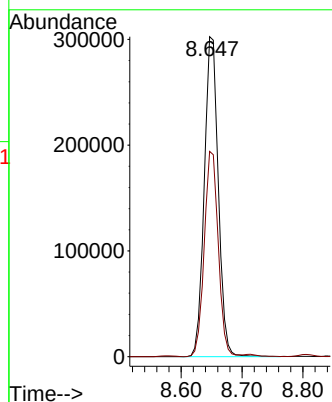
Tgt Ion: 98 Resp: 483779
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7

Manual Integrations
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Reviewed By :John
Carlone

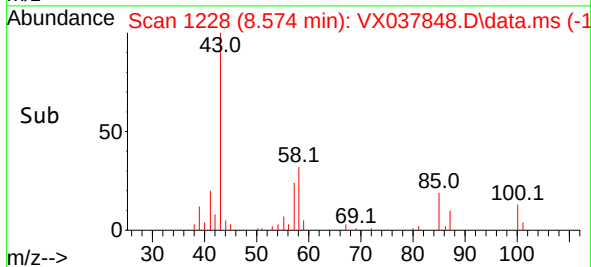
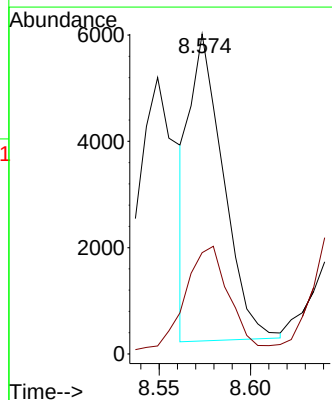
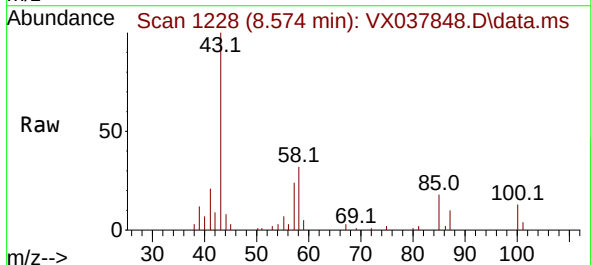
09/22/2023
Supervised By :Mahesh
Dadoda

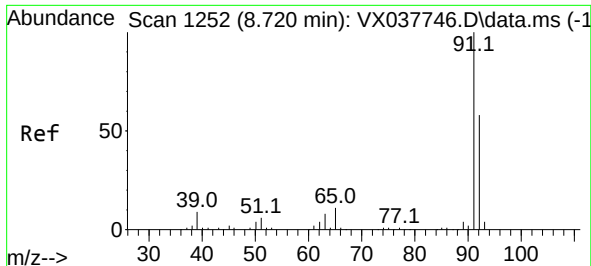
09/22/2023



#51
4-Methyl-2-Pentanone
Concen: 1.805 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

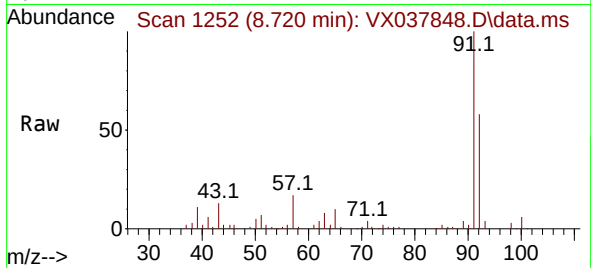
Tgt Ion: 43 Resp: 7400
Ion Ratio Lower Upper
43 100
58 43.2 30.4 45.6





#52
Toluene
Concen: 2.981 ug/l
RT: 8.720 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

Instrument :
MSVOA_X
ClientSampleId :
230920054-02-VOA



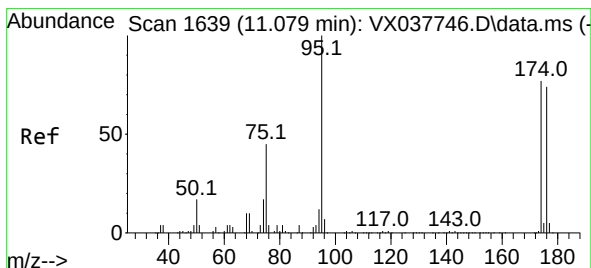
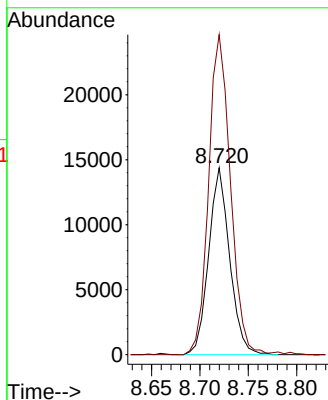
Tgt Ion: 92 Resp: 2172
Ion Ratio Lower Upper
92 100
91 177.6 134.2 201.2

Manual Integrations
APPROVED

Reviewed By :John
Carlone

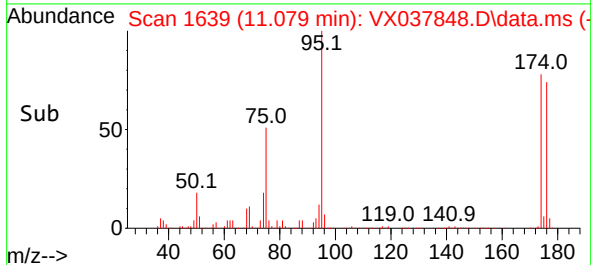
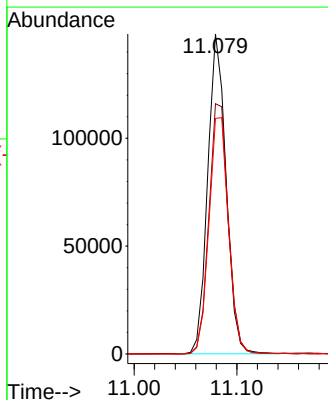
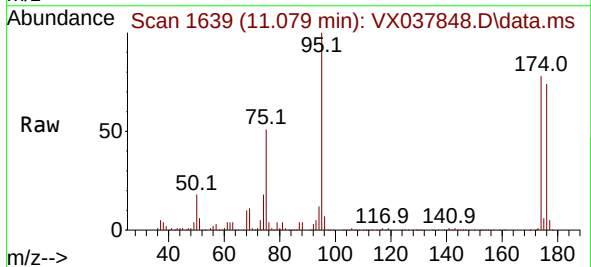
09/22/2023
Supervised By :Mahesh
Dadoda

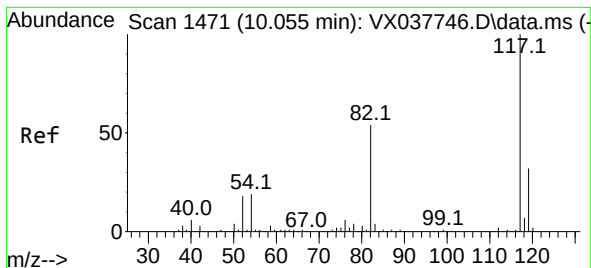
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#62
4-Bromofluorobenzene
Concen: 51.080 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

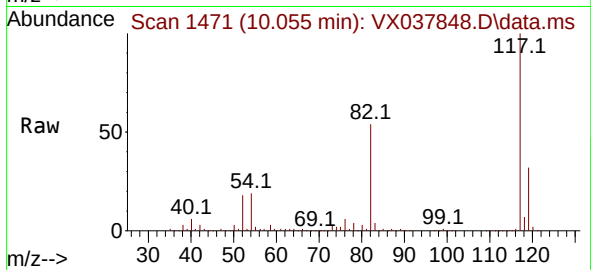
Tgt Ion: 95 Resp: 184071
Ion Ratio Lower Upper
95 100
174 83.2 0.0 135.6
176 78.9 0.0 131.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

Instrument :
MSVOA_X
ClientSampleId :
230920054-02-VOA



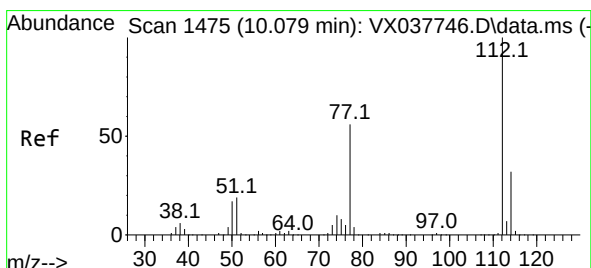
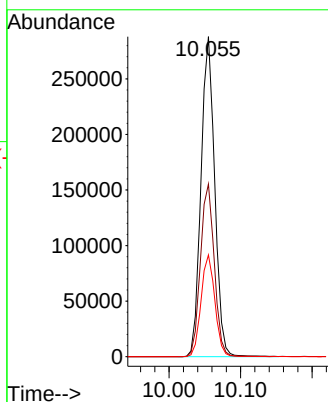
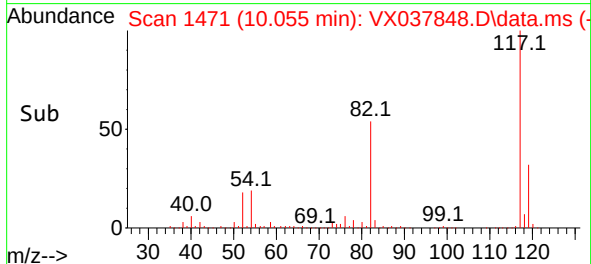
Tgt Ion:117 Resp: 38370
Ion Ratio Lower Upper
117 100
82 53.9 46.2 69.4
119 31.8 25.5 38.3

Manual Integrations
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Reviewed By :John
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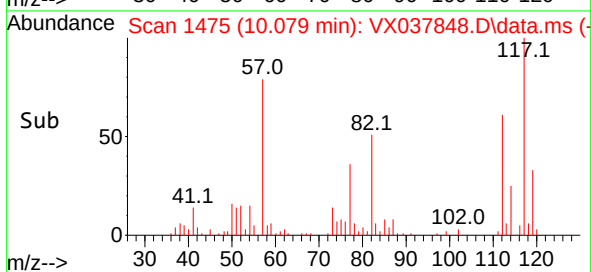
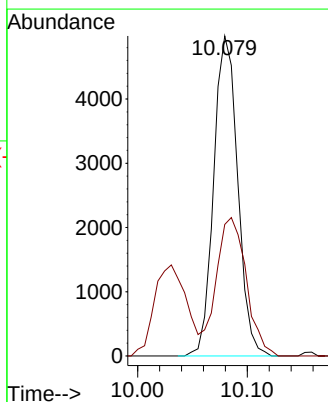
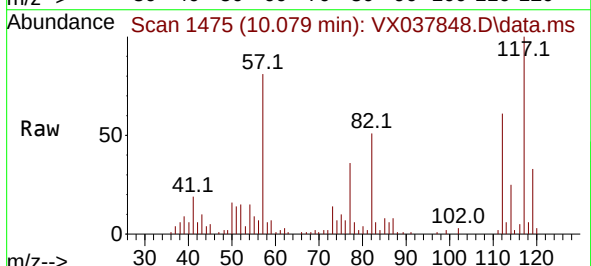
09/22/2023
Supervised By :Mahesh
Dadoda

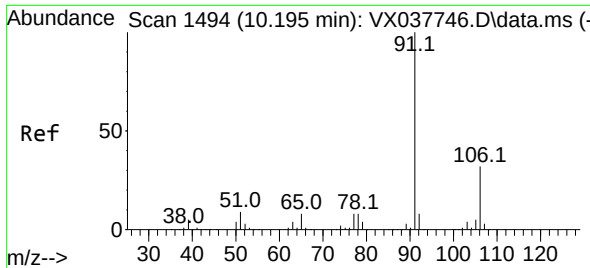
09/22/2023



#65
Chlorobenzene
Concen: 0.915 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

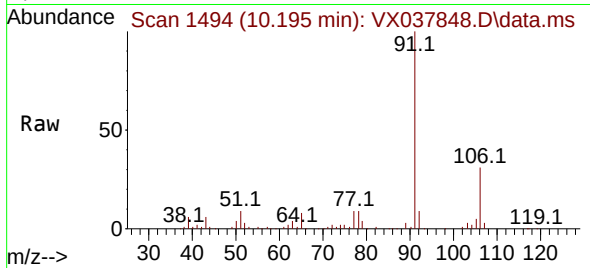
Tgt Ion:112 Resp: 7574
Ion Ratio Lower Upper
112 100
114 41.1 25.7 38.5#





#67
Ethyl Benzene
Concen: 2.283 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

Instrument :
MSVOA_X
ClientSampleId :
230920054-02-VOA



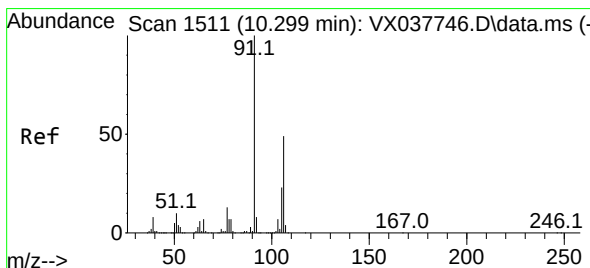
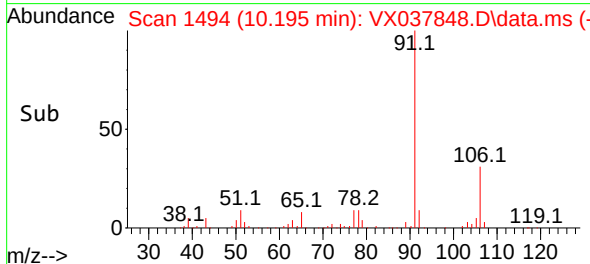
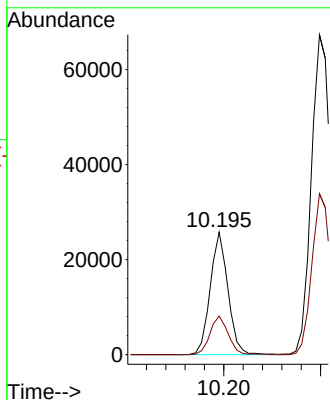
Tgt Ion: 91 Resp: 3276
Ion Ratio Lower Upper
91 100
106 31.5 24.9 37.3

Manual Integrations
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Reviewed By :John
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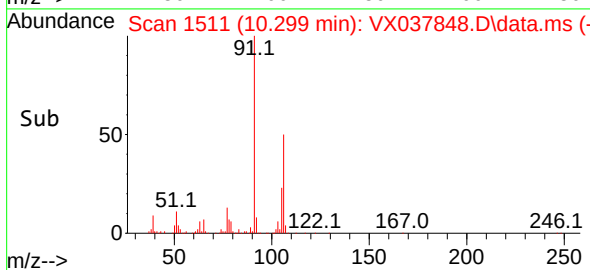
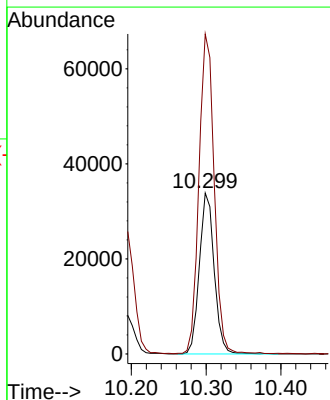
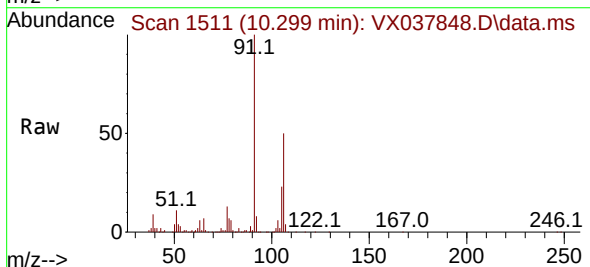
09/22/2023
Supervised By :Mahesh
Dadoda

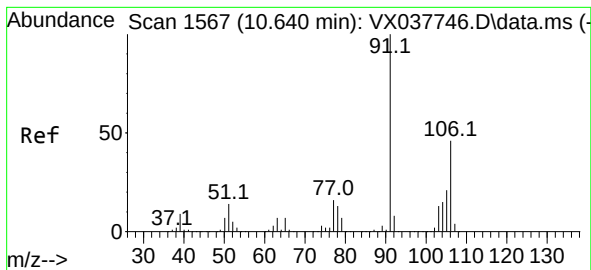
09/22/2023



#68
m/p-Xylenes
Concen: 8.414 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

Tgt Ion:106 Resp: 46655
Ion Ratio Lower Upper
106 100
91 203.5 165.5 248.3





#69
o-Xylene
Concen: 5.645 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

Instrument :
MSVOA_X
ClientSampleId :
230920054-02-VOA

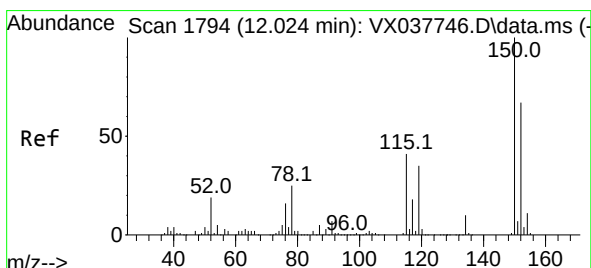
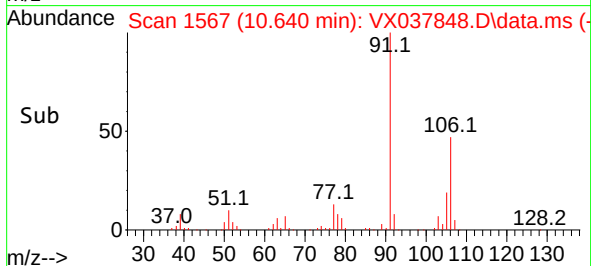
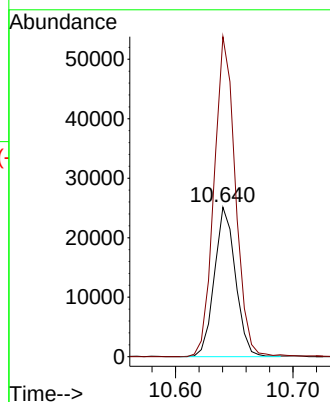
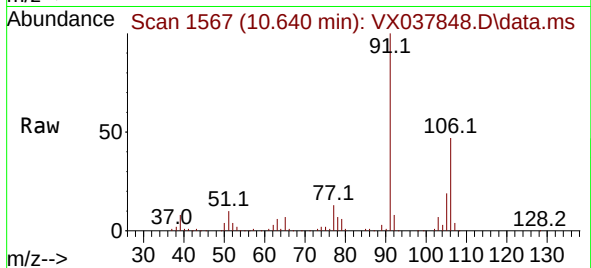
Tgt Ion:106 Resp: 31390
Ion Ratio Lower Upper
106 100
91 217.1 108.9 326.8

Manual Integrations
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Reviewed By :John
Carlone

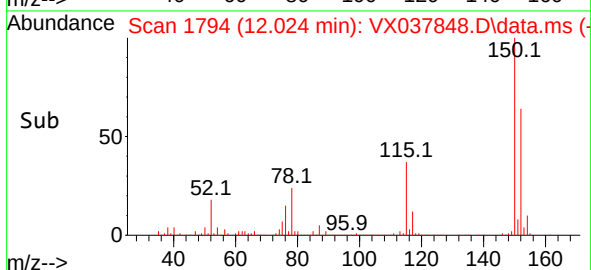
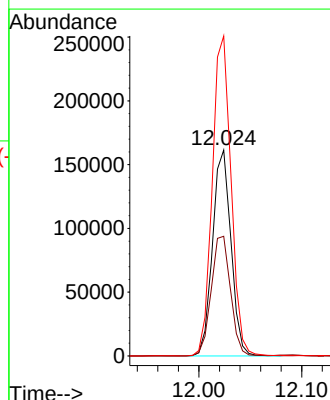
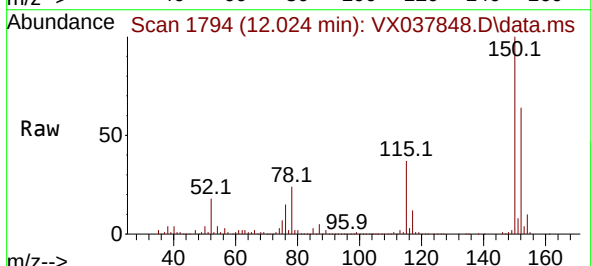
09/22/2023
Supervised By :Mahesh
Dadoda

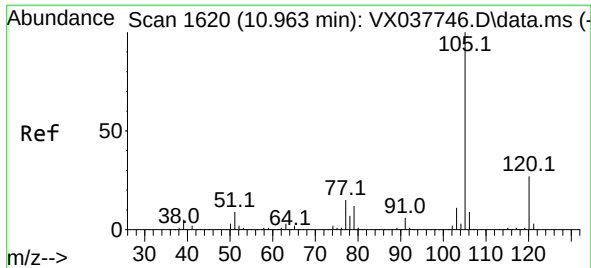
09/22/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

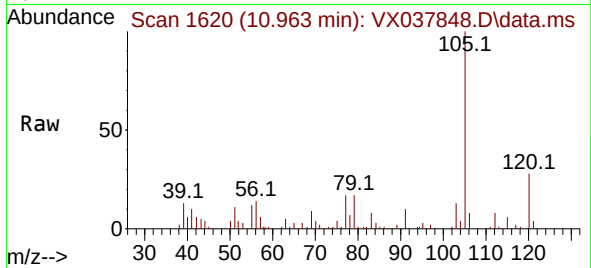
Tgt Ion:152 Resp: 200759
Ion Ratio Lower Upper
152 100
115 60.5 43.3 129.9
150 158.1 0.0 345.0





#73
Isopropylbenzene
Concen: 0.605 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

Instrument :
MSVOA_X
ClientSampleId :
230920054-02-VOA



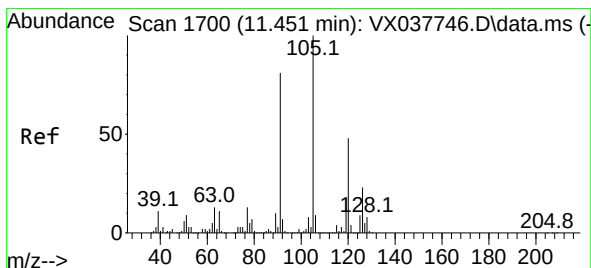
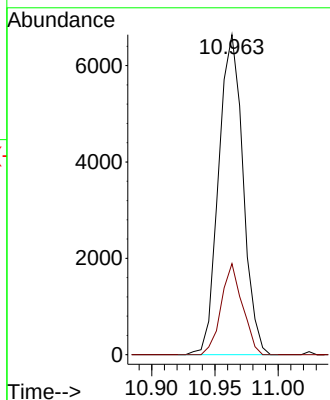
Tgt Ion:105 Resp: 8910
Ion Ratio Lower Upper
105 100
120 24.7 12.9 38.6

Manual Integrations
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Reviewed By :John
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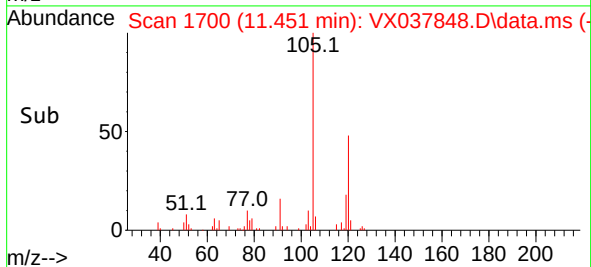
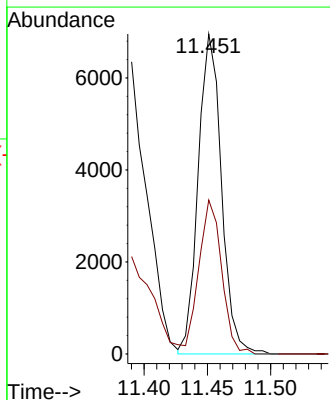
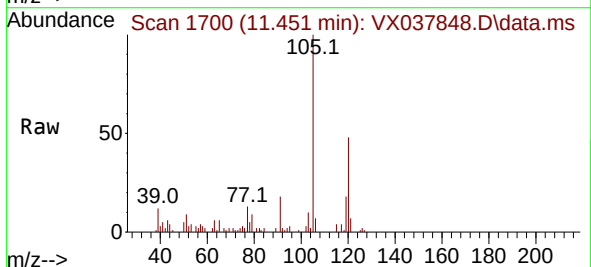
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Supervised By :Mahesh
Dadoda

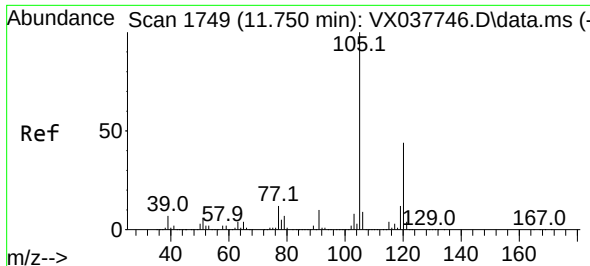
09/22/2023



#80
1,3,5-Trimethylbenzene
Concen: 0.717 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

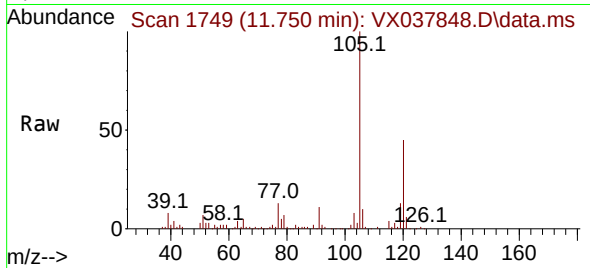
Tgt Ion:105 Resp: 8914
Ion Ratio Lower Upper
105 100
120 46.8 24.1 72.3





#84
1,2,4-Trimethylbenzene
Concen: 2.994 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

Instrument :
MSVOA_X
ClientSampleId :
230920054-02-VOA



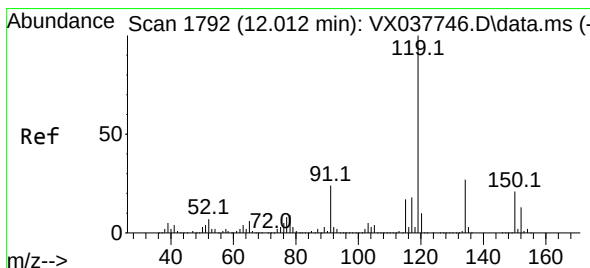
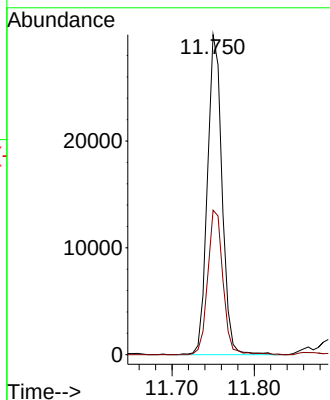
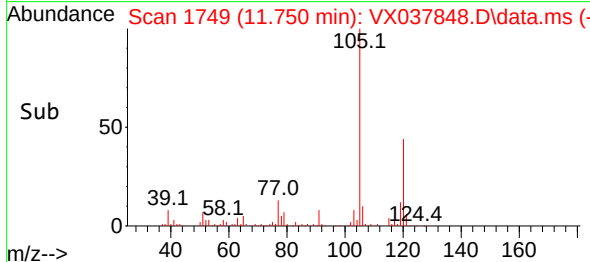
Tgt Ion:105 Resp: 3705
Ion Ratio Lower Upper
105 100
120 47.1 21.2 63.6

Manual Integrations
APPROVED

Reviewed By :John
Carlone

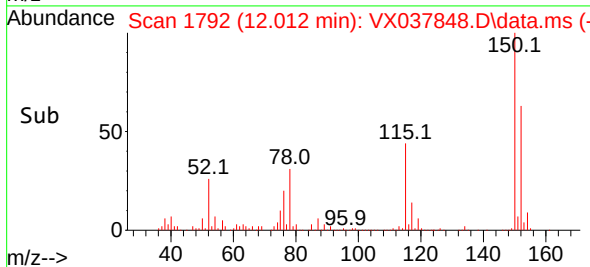
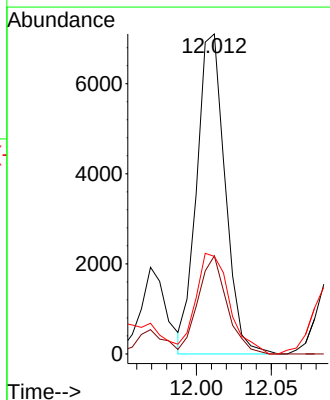
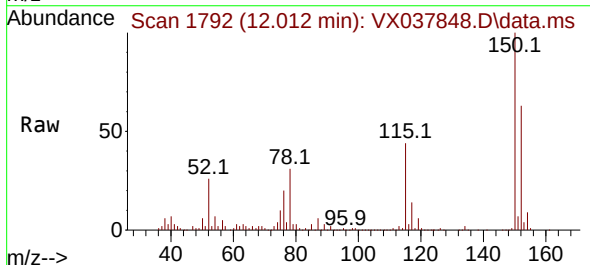
09/22/2023
Supervised By :Mahesh
Dadoda

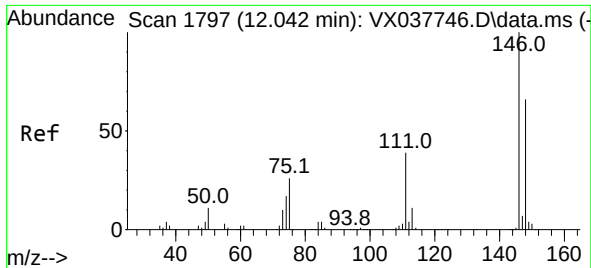
09/22/2023



#86
p-Isopropyltoluene
Concen: 0.737 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

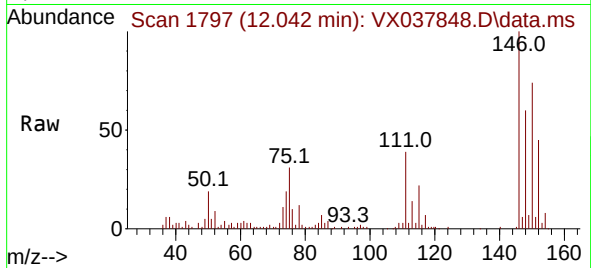
Tgt Ion:119 Resp: 9366
Ion Ratio Lower Upper
119 100
134 31.2 12.8 38.3
91 37.3 13.1 39.3





#88
1,4-Dichlorobenzene
Concen: 3.190 ug/l
RT: 12.042 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31

Instrument :
MSVOA_X
ClientSampleId :
230920054-02-VOA



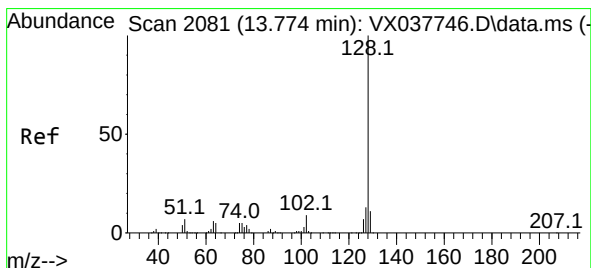
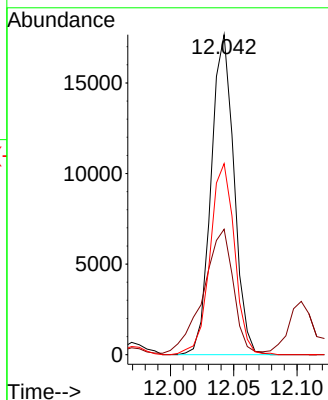
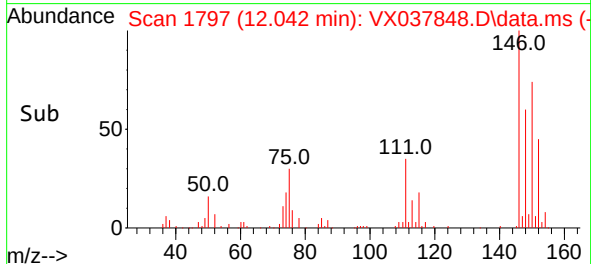
Tgt Ion:146 Resp: 2218
Ion Ratio Lower Upper
146 100
111 52.1 21.3 63.7
148 64.2 31.8 95.4

Manual Integrations
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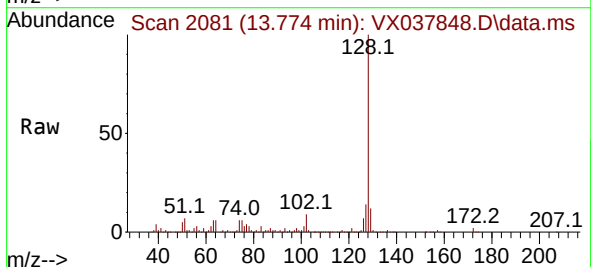
Reviewed By :John
Carlone

09/22/2023
Supervised By :Mahesh
Dadoda

09/22/2023



#95
Naphthalene
Concen: 9.190 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX037848.D
Acq: 21 Sep 2023 12:31



Tgt Ion:128 Resp: 127023
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.3 8.8 13.2

