

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072922\
 Data File : VX030298.D
 Acq On : 29 Jul 2022 13:25
 Operator : JC/MD
 Sample : N3975-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 220727100-02-VOA

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/01/2022
 Supervised By : Mahesh Dadoda 08/01/2022

Quant Time: Aug 01 05:12:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	156143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	273667	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	276251	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	154432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	165996	52.892	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.780%			
35) Dibromofluoromethane	5.391	113	128140	48.981	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.960%			
50) Toluene-d8	8.653	98	492324	48.594	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.180%			
62) 4-Bromofluorobenzene	11.085	95	173656	46.185	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	841	0.328	ug/l	79
6) Chloroethane	1.685	64	1035	0.705	ug/l #	80
8) Diethyl Ether	2.136	74	17160	13.007	ug/l	97
11) Tert butyl alcohol	2.965	59	165224	215.827	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	6364	0.762	ug/l	93
29) Tetrahydrofuran	5.013	42	270468	148.878	ug/l	94
40) Benzene	6.044	78	20569	1.736	ug/l	96
49) 1,4-Dioxane	7.665	88	15396	173.279	ug/l	94
52) Toluene	8.726	92	6114	0.846	ug/l	99
65) Chlorobenzene	10.080	112	103293	13.765	ug/l	98
68) m/p-Xylenes	10.305	106	14783	2.908	ug/l	91
69) o-Xylene	10.647	106	18045	3.602	ug/l	88
73) Isopropylbenzene	10.964	105	6452	0.535	ug/l	99
79) 2-Chlorotoluene	11.366	91	8842	0.973	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	3727	0.369	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	15892	1.578	ug/l	96
86) p-Isopropyltoluene	12.012	119	5261m	0.513	ug/l	
88) 1,4-Dichlorobenzene	12.043	146	50805	9.069	ug/l	97
91) 1,2-Dichlorobenzene	12.341	146	3657	0.677	ug/l	95
95) Naphthalene	13.780	128	29568	2.417	ug/l	96

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

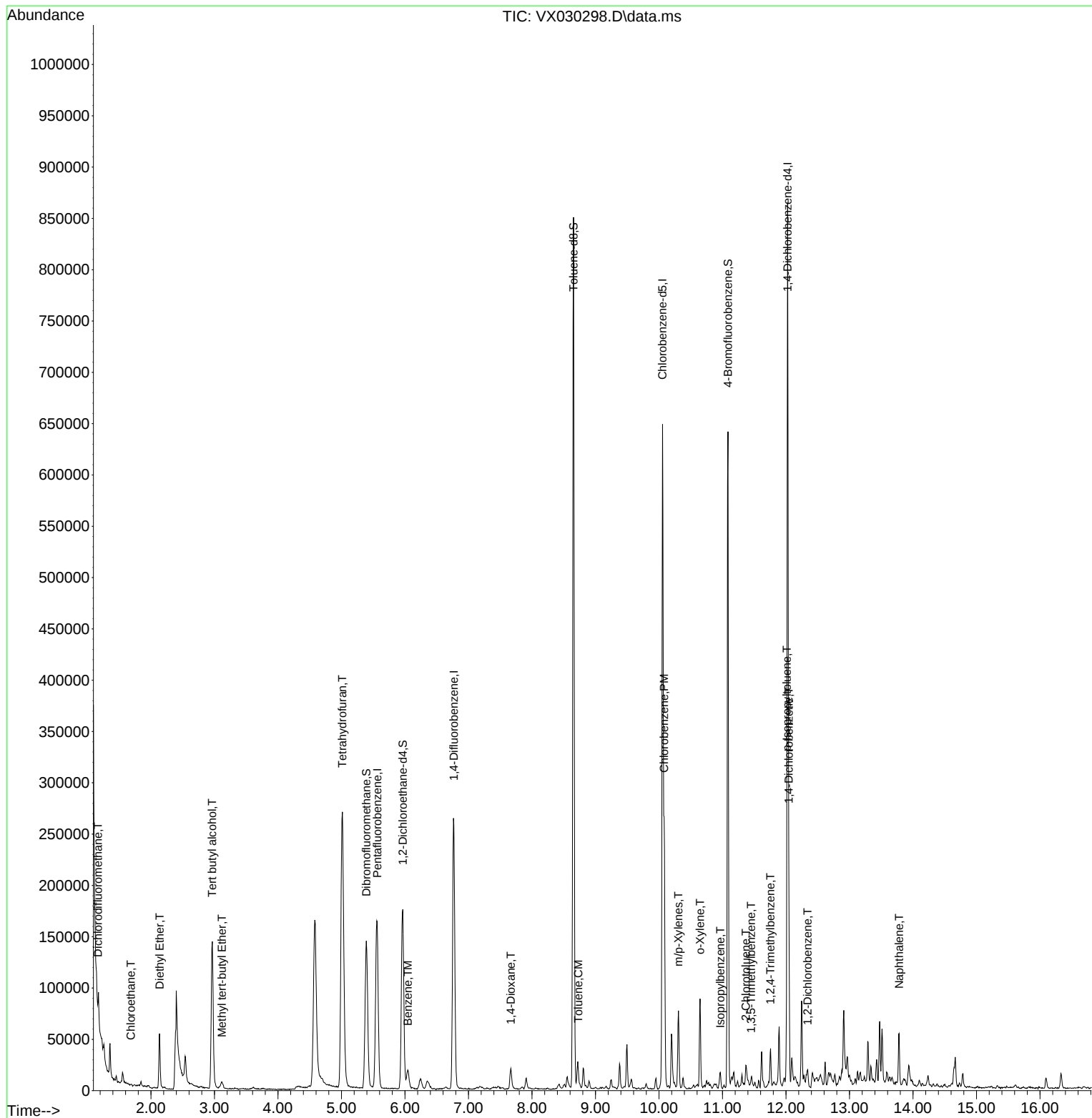
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072922\
Data File : VX030298.D
Acq On : 29 Jul 2022 13:25
Operator : JC/MD
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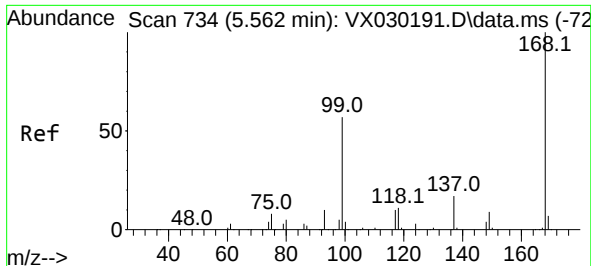
Instrument :
MSVOA_X
ClientSampleId :
220727100-02-VOA

Quant Time: Aug 01 05:12:08 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 25 16:49:17 2022
Response via : Initial Calibration

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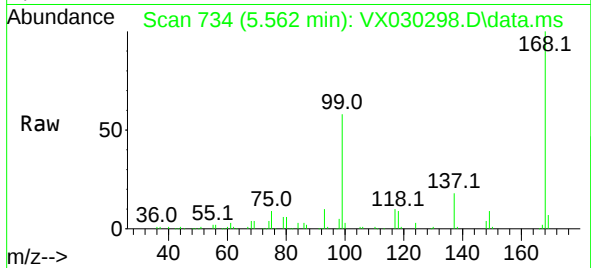
Reviewed By : John Carlone 08/01/2022
Supervised By : Mahesh Dadoda 08/01/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX030298.D
Acq: 29 Jul 2022 13:25

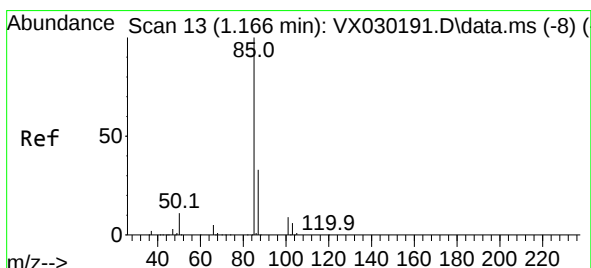
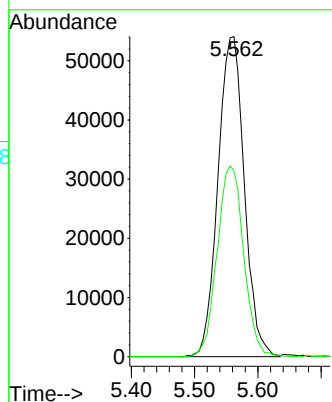
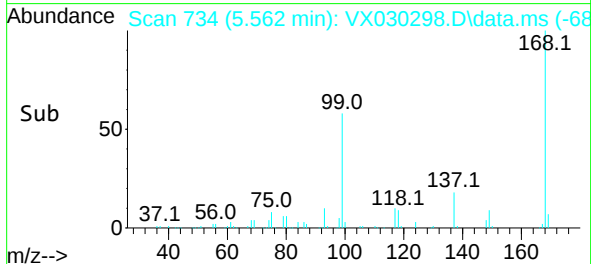
Instrument :
MSVOA_X
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220727100-02-VOA



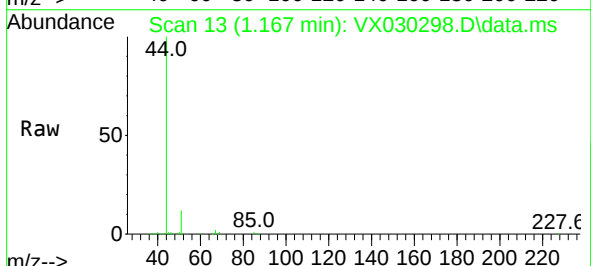
Tgt Ion:168 Resp: 15614
Ion Ratio Lower Upper
168 100
99 58.1 44.0 66.0

Manual Integrations
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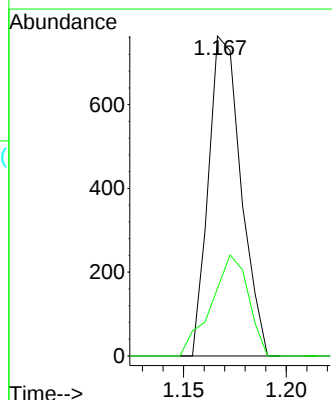
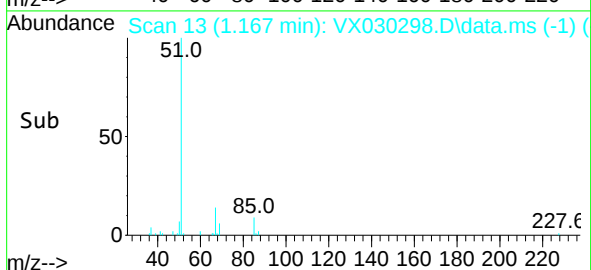
Reviewed By :John Carlone 08/01/2022
Supervised By :Mahesh Dadoda 08/01/2022

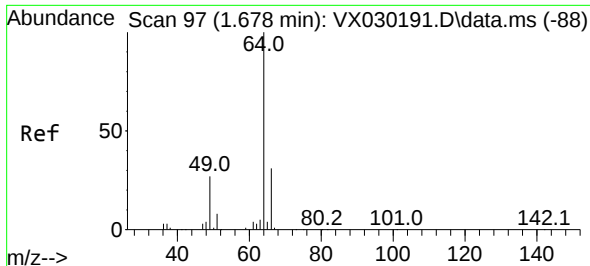


#2
Dichlorodifluoromethane
Concen: 0.328 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.001 min
Lab File: VX030298.D
Acq: 29 Jul 2022 13:25



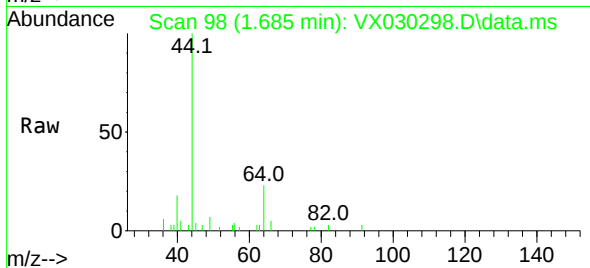
Tgt Ion: 85 Resp: 841
Ion Ratio Lower Upper
85 100
87 21.1 16.5 49.5





#6
Chloroethane
Concen: 0.705 ug/l
RT: 1.685 min Scan# 97
Delta R.T. 0.007 min
Lab File: VX030298.D
Acq: 29 Jul 2022 13:25

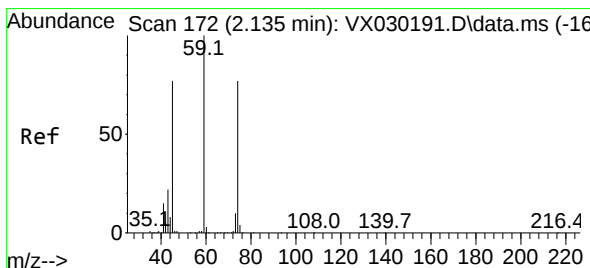
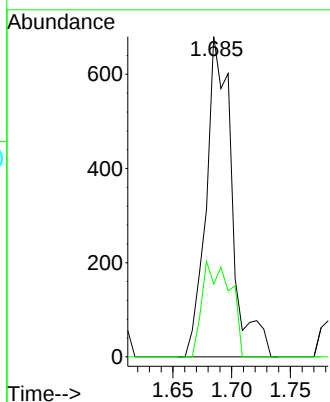
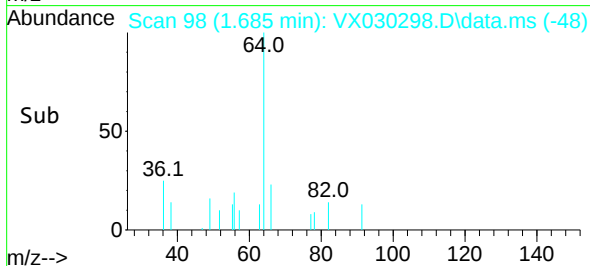
Instrument :
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Tgt Ion: 64 Resp: 1035
Ion Ratio Lower Upper
64 100
66 22.8 27.2 40.8

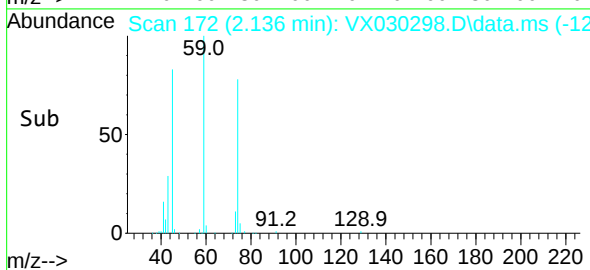
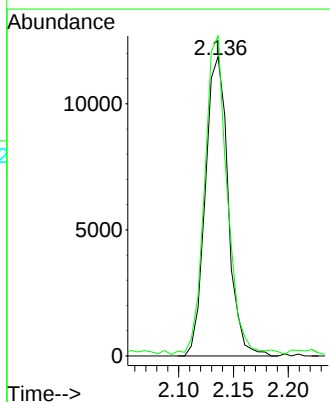
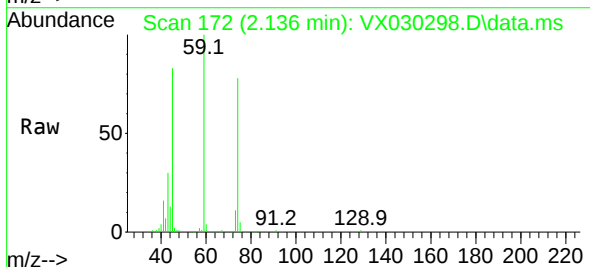
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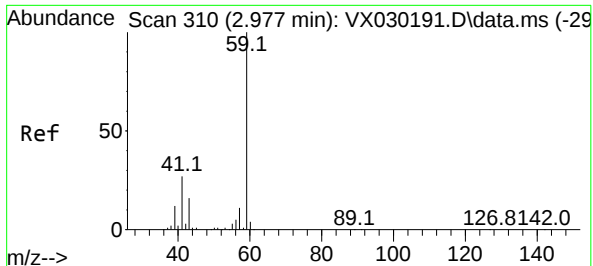
Reviewed By :John Carlone 08/01/2022
Supervised By :Mahesh Dadoda 08/01/2022



#8
Diethyl Ether
Concen: 13.007 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.001 min
Lab File: VX030298.D
Acq: 29 Jul 2022 13:25

Tgt Ion: 74 Resp: 17160
Ion Ratio Lower Upper
74 100
45 106.0 51.5 154.7





#11

Tert butyl alcohol

Concen: 215.827 ug/l

RT: 2.965 min Scan# 308

Delta R.T. -0.012 min

Lab File: VX030298.D

Acq: 29 Jul 2022 13:25

Instrument :

MSVOA_X

ClientSampleId :

220727100-02-VOA

Tgt Ion: 59 Resp: 165224

Ion Ratio Lower Upper

59 100

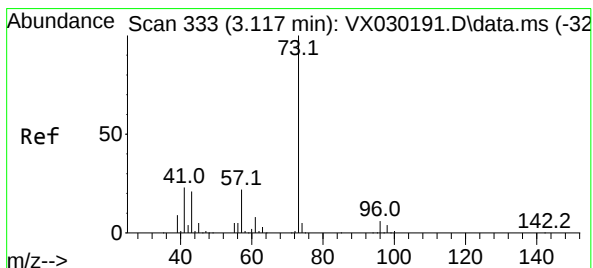
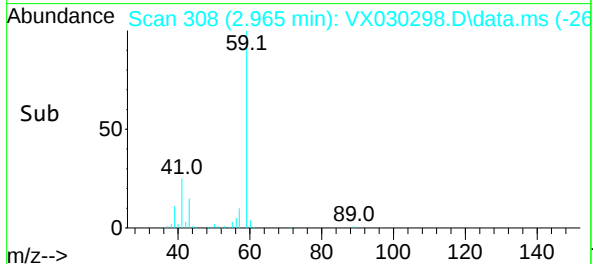
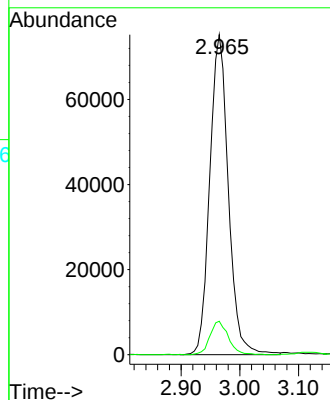
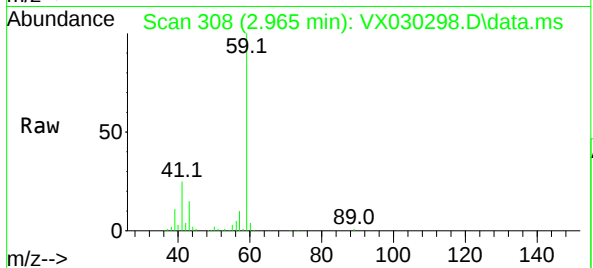
57 10.4 7.4 11.2

Manual Integrations

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Reviewed By :John Carlone 08/01/2022

Supervised By :Mahesh Dadoda 08/01/2022



#19

Methyl tert-butyl Ether

Concen: 0.762 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.000 min

Lab File: VX030298.D

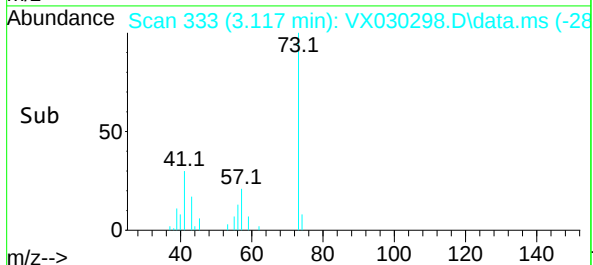
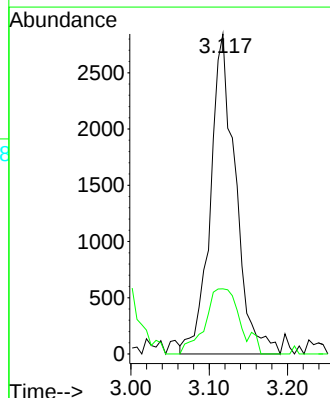
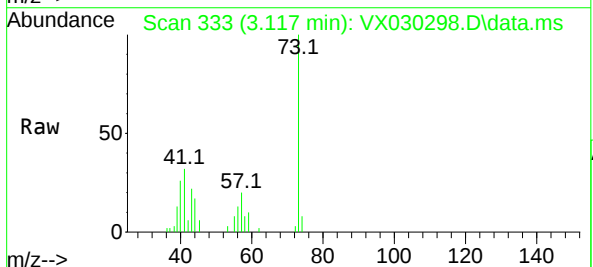
Acq: 29 Jul 2022 13:25

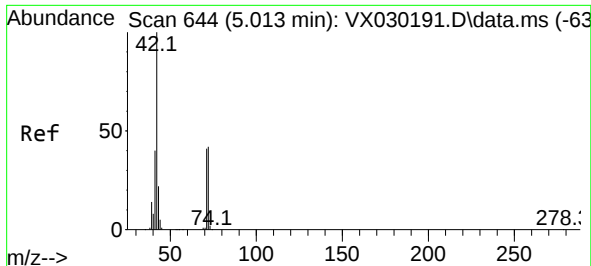
Tgt Ion: 73 Resp: 6364

Ion Ratio Lower Upper

73 100

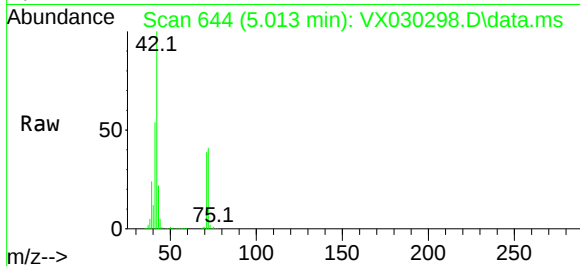
57 20.4 19.0 28.6





#29
Tetrahydrofuran
Concen: 148.878 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.000 min
Lab File: VX030298.D
Acq: 29 Jul 2022 13:25

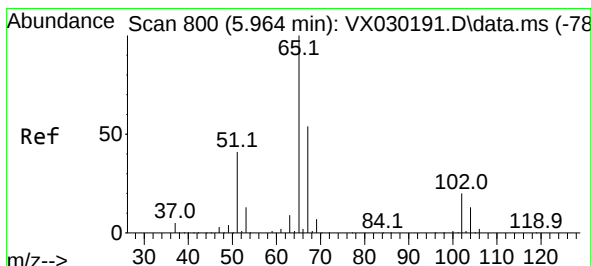
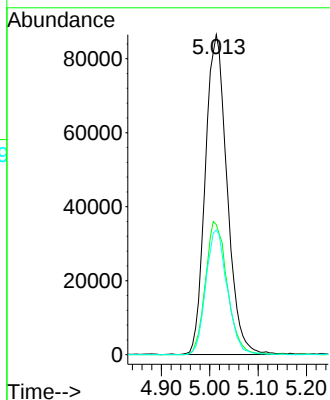
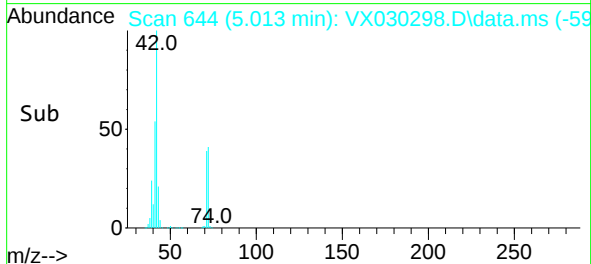
Instrument :
MSVOA_X
ClientSampleId :
220727100-02-VOA



Tgt Ion: 42 Resp: 270468
Ion Ratio Lower Upper
42 100
72 41.5 36.5 54.7
71 38.4 33.9 50.9

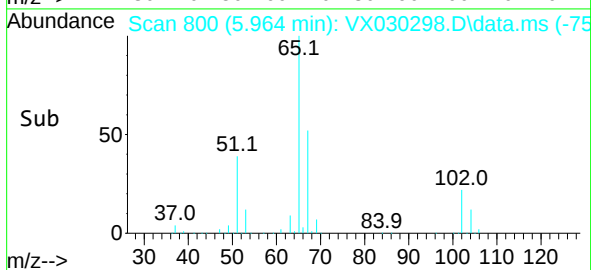
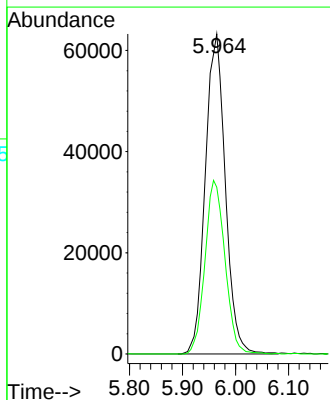
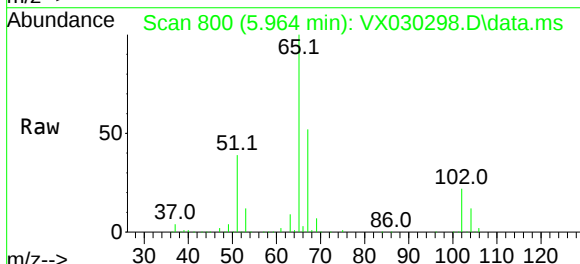
Manual Integrations
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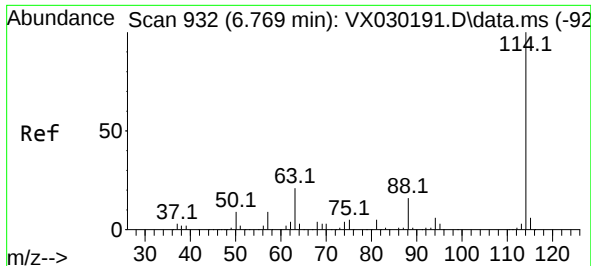
Reviewed By :John Carlone 08/01/2022
Supervised By :Mahesh Dadoda 08/01/2022



#33
1,2-Dichloroethane-d4
Concen: 52.892 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX030298.D
Acq: 29 Jul 2022 13:25

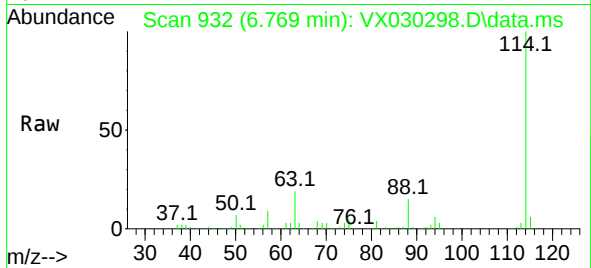
Tgt Ion: 65 Resp: 165996
Ion Ratio Lower Upper
65 100
67 54.1 0.0 109.6





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX030298.D
Acq: 29 Jul 2022 13:25

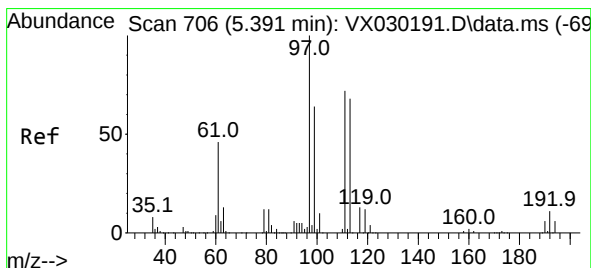
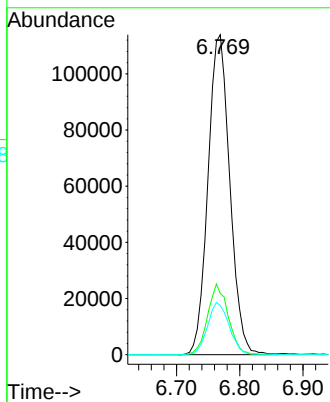
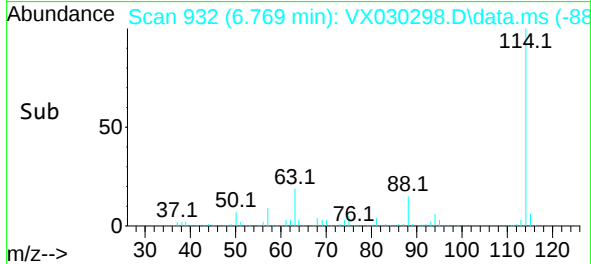
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Tgt Ion:114 Resp: 27366
Ion Ratio Lower Upper
114 100
63 19.1 0.0 38.4
88 15.4 0.0 31.8

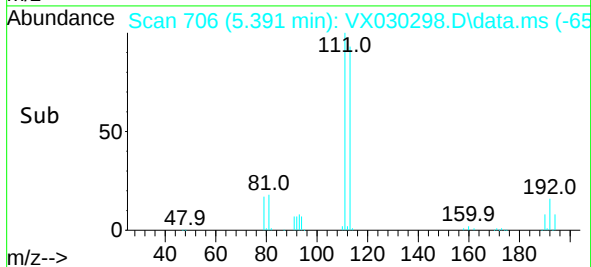
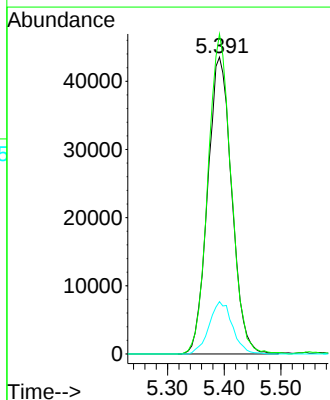
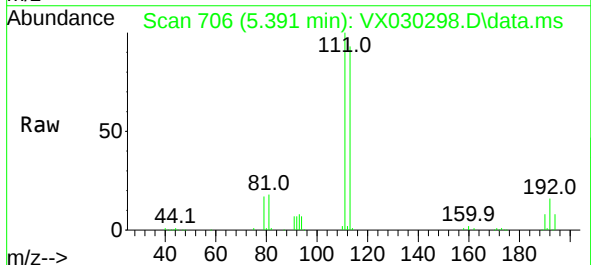
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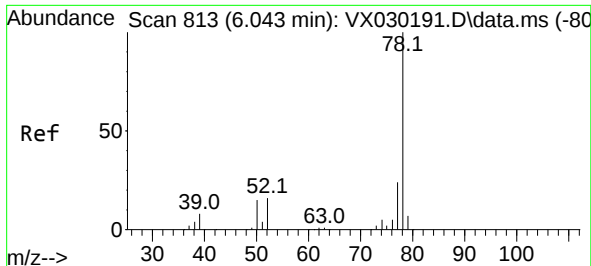
Reviewed By :John Carlone 08/01/2022
Supervised By :Mahesh Dadoda 08/01/2022



#35
Dibromofluoromethane
Concen: 48.981 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030298.D
Acq: 29 Jul 2022 13:25

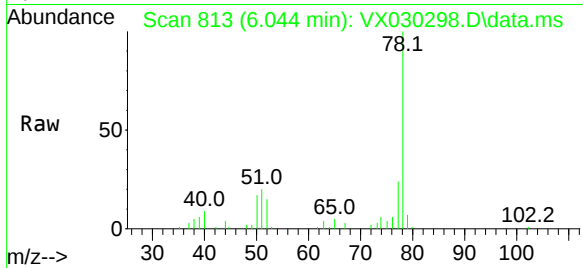
Tgt Ion:113 Resp: 128140
Ion Ratio Lower Upper
113 100
111 104.0 83.2 124.8
192 17.1 14.8 22.2





#40
Benzene
Concen: 1.736 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.001 min
Lab File: VX030298.D
Acq: 29 Jul 2022 13:25

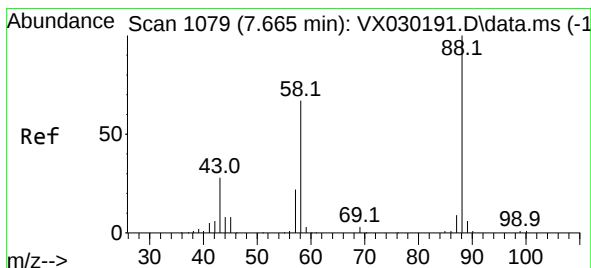
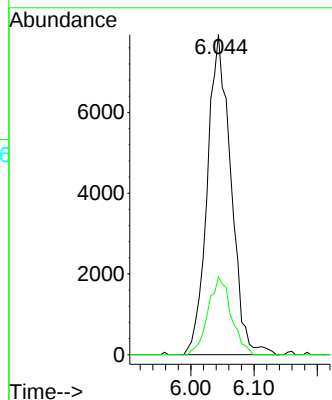
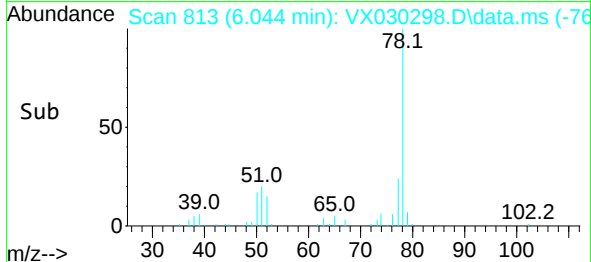
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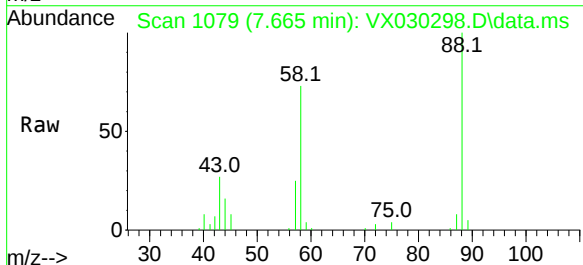
Tgt Ion: 78 Resp: 20569
Ion Ratio Lower Upper
78 100
77 24.3 18.0 27.0

Manual Integrations
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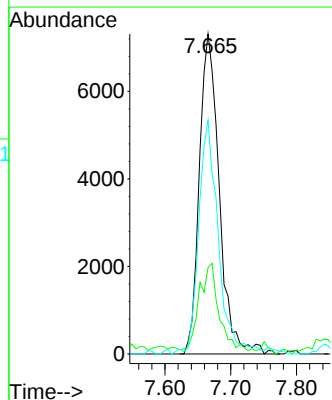
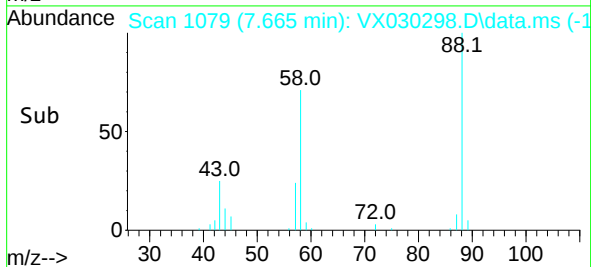
Reviewed By :John Carlone 08/01/2022
Supervised By :Mahesh Dadoda 08/01/2022

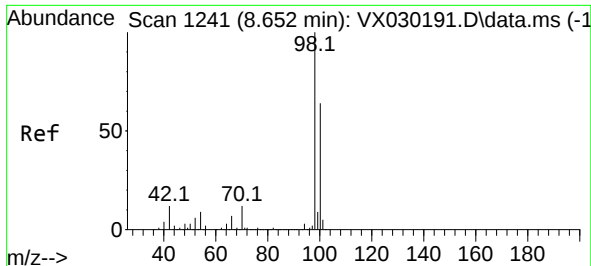


#49
1,4-Dioxane
Concen: 173.279 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.000 min
Lab File: VX030298.D
Acq: 29 Jul 2022 13:25



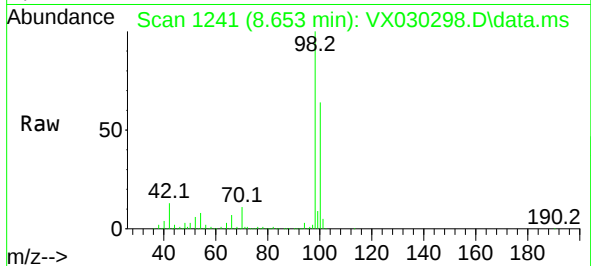
Tgt Ion: 88 Resp: 15396
Ion Ratio Lower Upper
88 100
43 26.7 23.8 35.8
58 71.8 53.8 80.6





#50
Toluene-d8
Concen: 48.594 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX030298.D
Acq: 29 Jul 2022 13:25

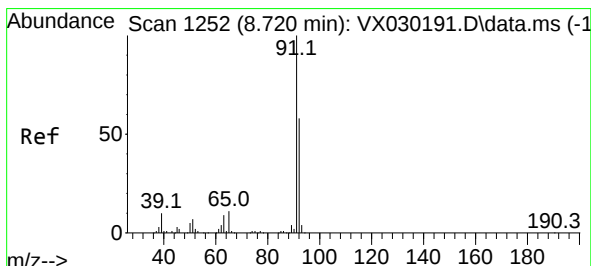
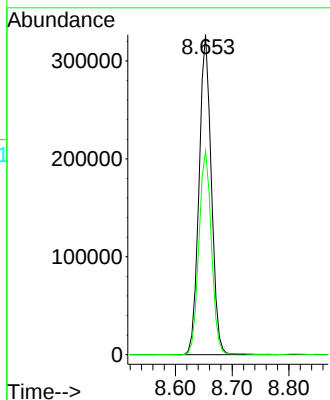
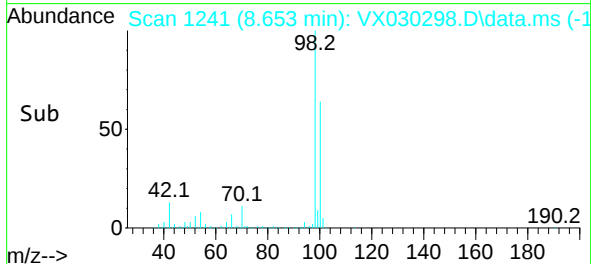
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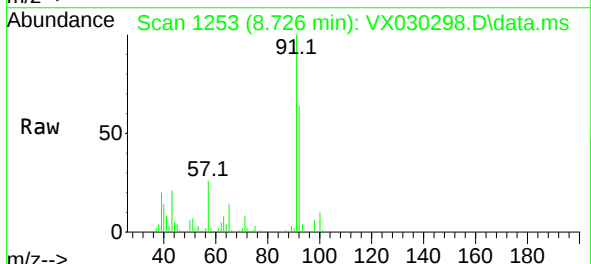
Tgt Ion: 98 Resp: 492324
Ion Ratio Lower Upper
98 100
100 64.6 52.3 78.5

Manual Integrations
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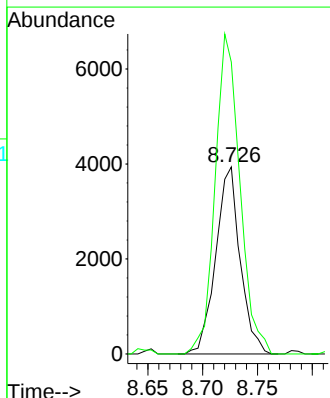
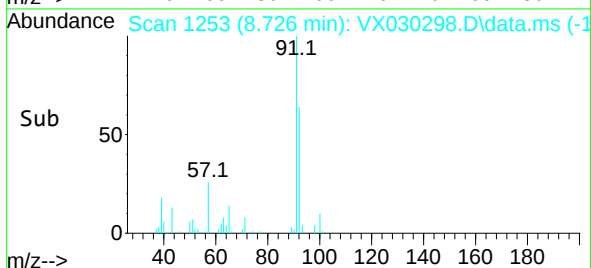
Reviewed By :John Carlone 08/01/2022
Supervised By :Mahesh Dadoda 08/01/2022

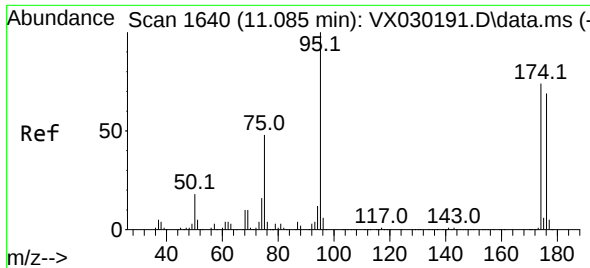


#52
Toluene
Concen: 0.846 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX030298.D
Acq: 29 Jul 2022 13:25



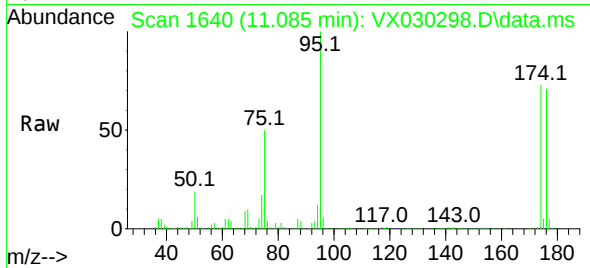
Tgt Ion: 92 Resp: 6114
Ion Ratio Lower Upper
92 100
91 173.0 139.2 208.8





#62
4-Bromofluorobenzene
Concen: 46.185 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030298.D
Acq: 29 Jul 2022 13:25

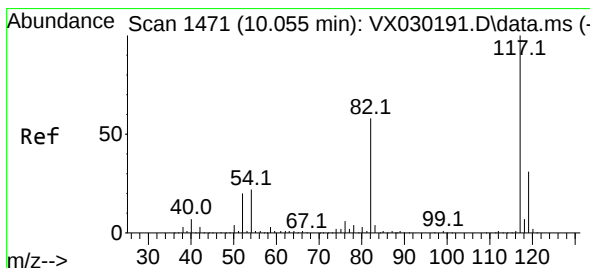
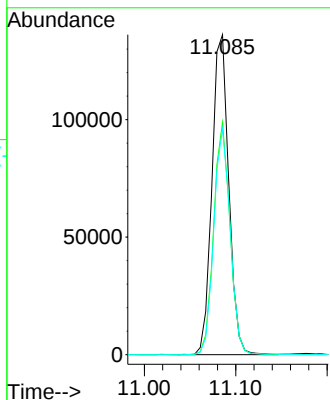
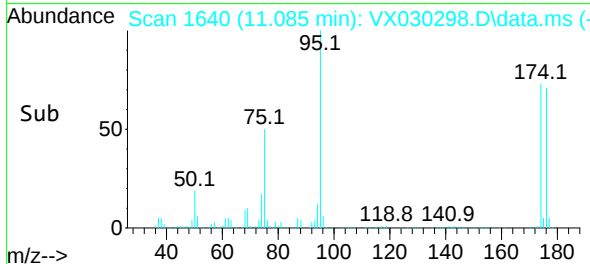
Instrument :
MSVOA_X
ClientSampleId :
220727100-02-VOA



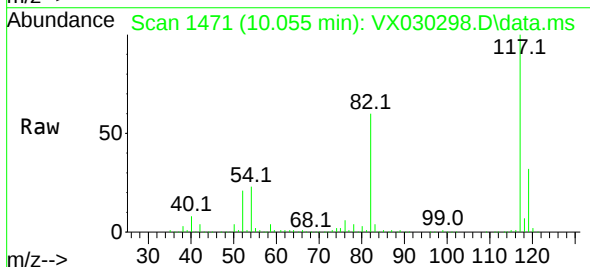
Tgt Ion: 95 Resp: 173650
Ion Ratio Lower Upper
95 100
174 70.5 0.0 149.0
176 69.0 0.0 146.0

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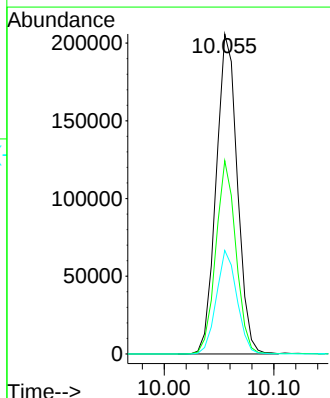
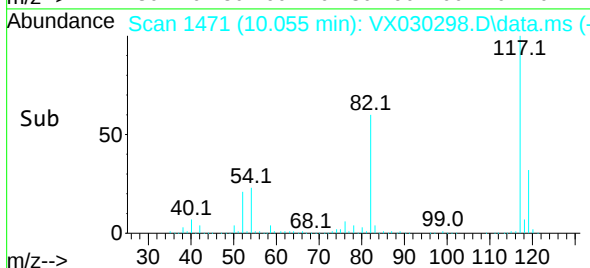
Reviewed By :John Carlone 08/01/2022
Supervised By :Mahesh Dadoda 08/01/2022

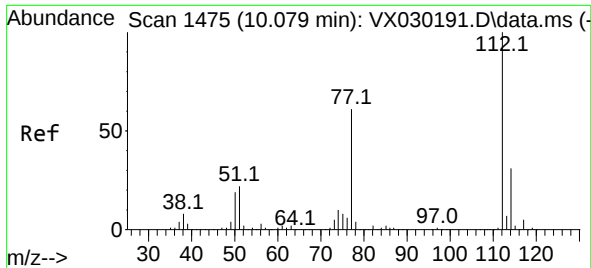


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030298.D
Acq: 29 Jul 2022 13:25



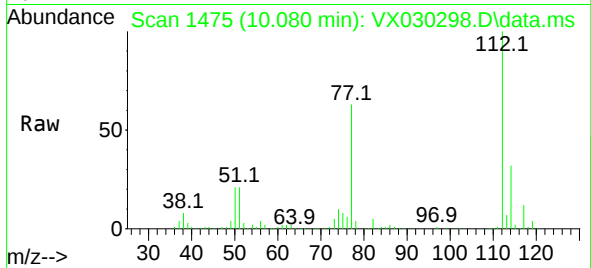
Tgt Ion:117 Resp: 276251
Ion Ratio Lower Upper
117 100
82 60.4 42.7 64.1
119 32.4 25.4 38.2





#65
Chlorobenzene
Concen: 13.765 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.001 min
Lab File: VX030298.D
Acq: 29 Jul 2022 13:25

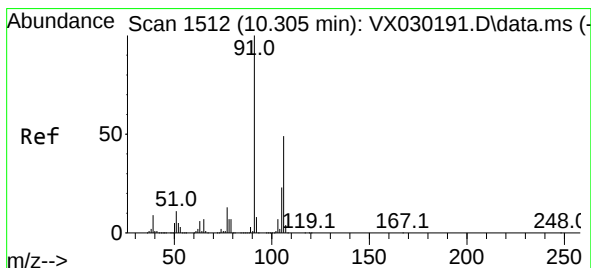
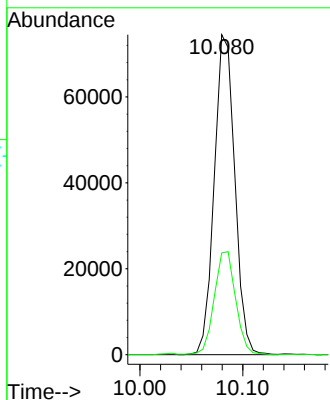
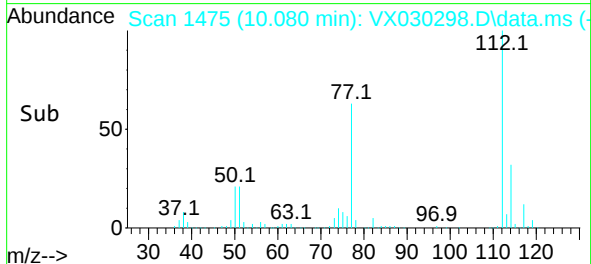
Instrument :
MSVOA_X
ClientSampleId :
220727100-02-VOA



Tgt Ion:112 Resp: 10329
Ion Ratio Lower Upper
112 100
114 31.8 24.6 36.8

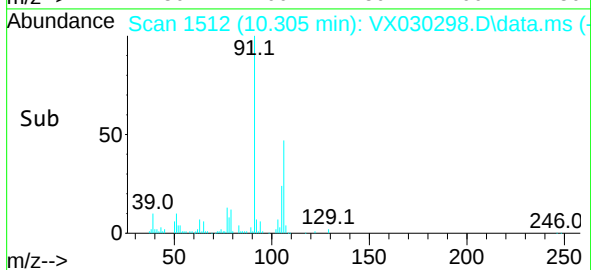
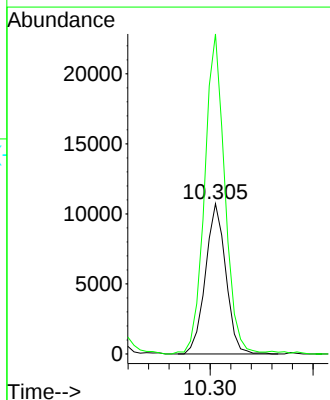
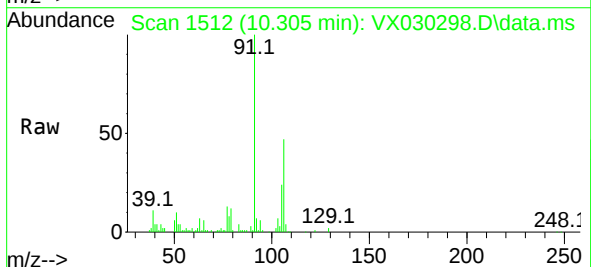
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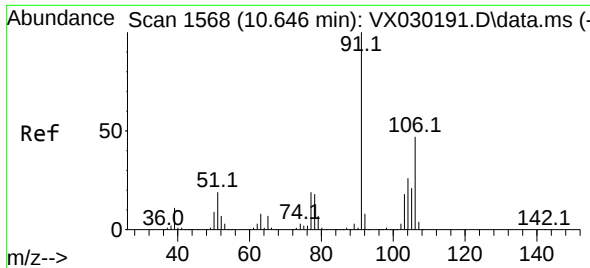
Reviewed By :John Carlone 08/01/2022
Supervised By :Mahesh Dadoda 08/01/2022



#68
m/p-Xylenes
Concen: 2.908 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX030298.D
Acq: 29 Jul 2022 13:25

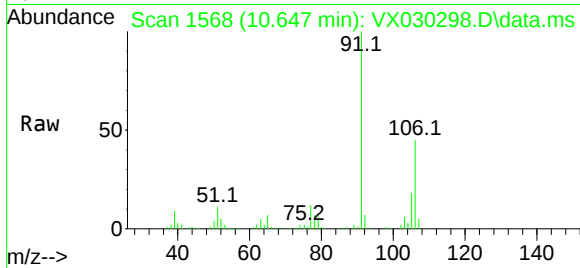
Tgt Ion:106 Resp: 14783
Ion Ratio Lower Upper
106 100
91 211.3 158.2 237.4





#69
o-Xylene
Concen: 3.602 ug/l
RT: 10.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX030298.D
Acq: 29 Jul 2022 13:25

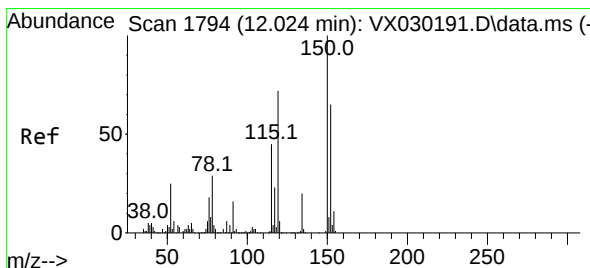
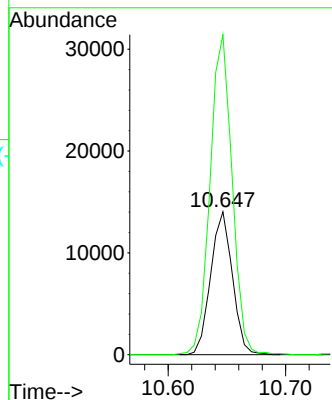
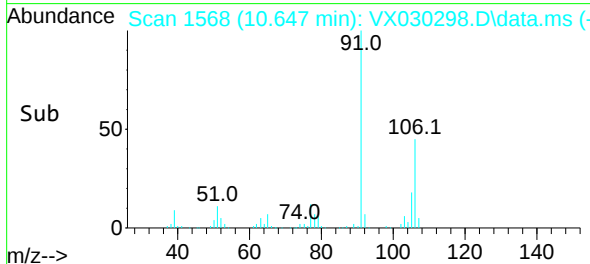
Instrument :
MSVOA_X
ClientSampleId :
220727100-02-VOA



Tgt Ion:106 Resp: 1804
Ion Ratio Lower Upper
106 100
91 226.8 103.8 311.6

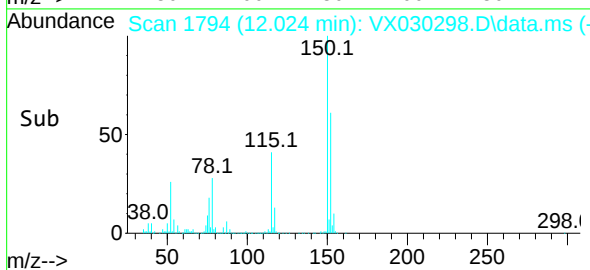
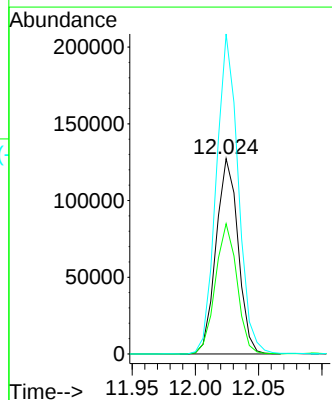
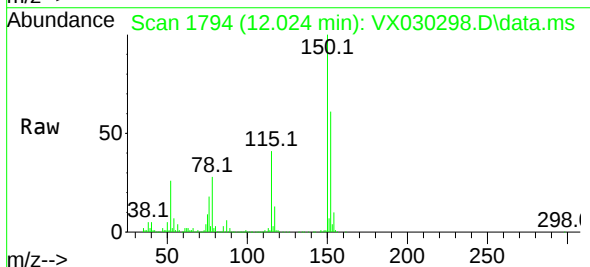
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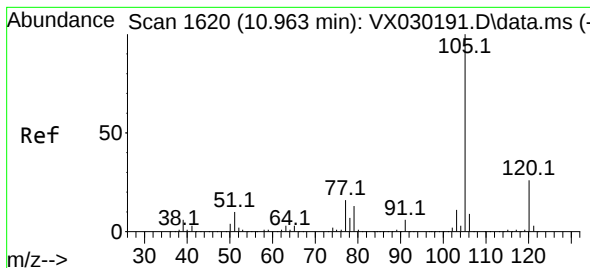
Reviewed By :John Carlone 08/01/2022
Supervised By :Mahesh Dadoda 08/01/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030298.D
Acq: 29 Jul 2022 13:25

Tgt Ion:152 Resp: 154432
Ion Ratio Lower Upper
152 100
115 65.4 40.5 121.5
150 163.2 0.0 347.0





#73

Isopropylbenzene

Concen: 0.535 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.001 min

Lab File: VX030298.D

Acq: 29 Jul 2022 13:25

Instrument :

MSVOA_X

ClientSampleId :

220727100-02-VOA

Tgt Ion:105 Resp: 6452

Ion Ratio Lower Upper

105 100

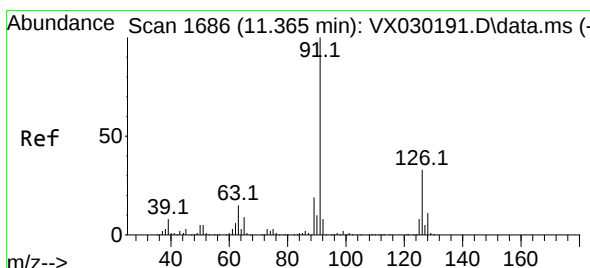
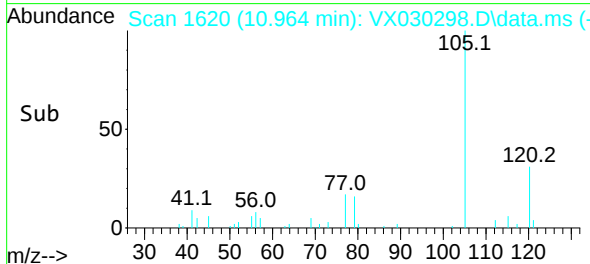
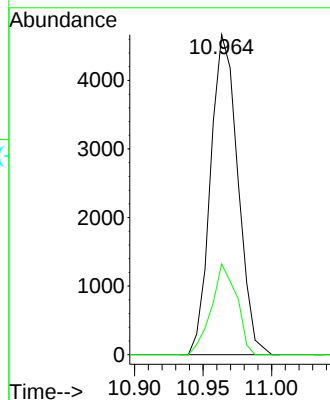
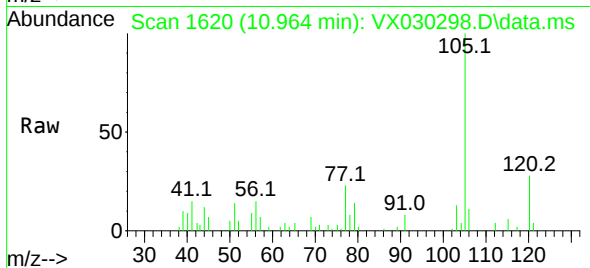
120 26.3 13.5 40.4

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Reviewed By :John Carlone 08/01/2022

Supervised By :Mahesh Dadoda 08/01/2022



#79

2-Chlorotoluene

Concen: 0.973 ug/l

RT: 11.366 min Scan# 1686

Delta R.T. 0.001 min

Lab File: VX030298.D

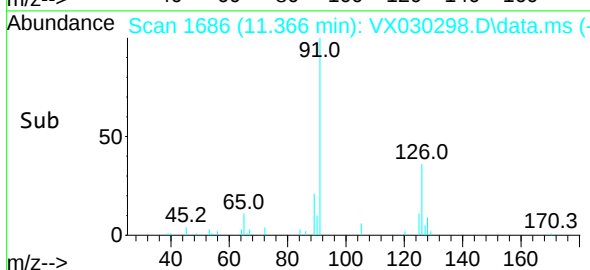
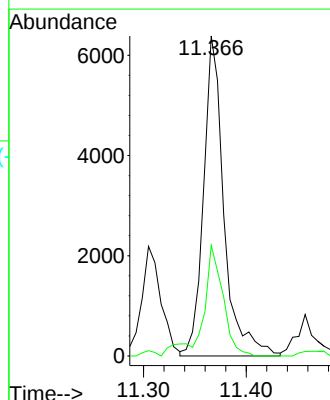
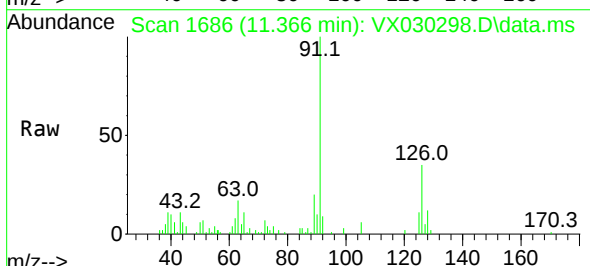
Acq: 29 Jul 2022 13:25

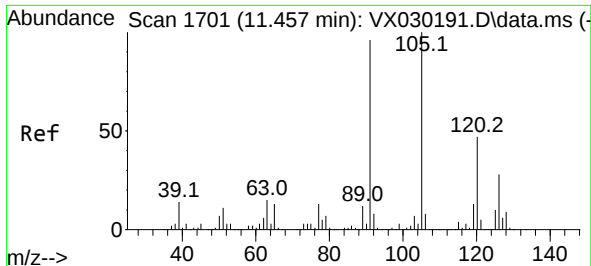
Tgt Ion: 91 Resp: 8842

Ion Ratio Lower Upper

91 100

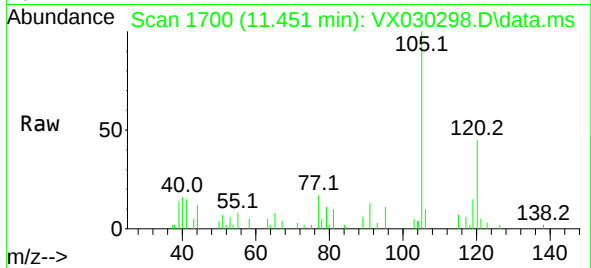
126 33.8 17.4 52.3





#80
1,3,5-Trimethylbenzene
Concen: 0.369 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX030298.D
Acq: 29 Jul 2022 13:25

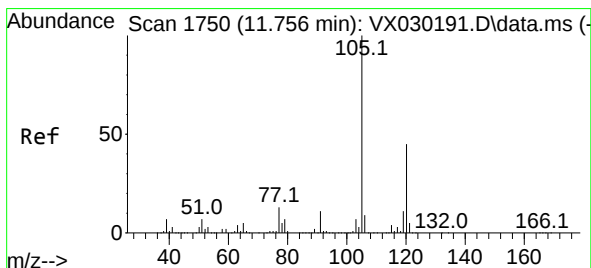
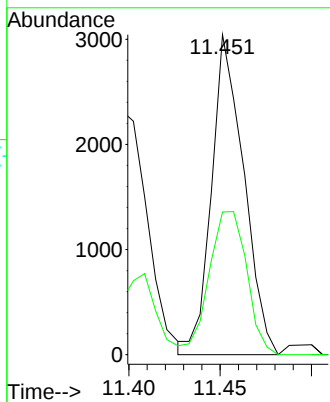
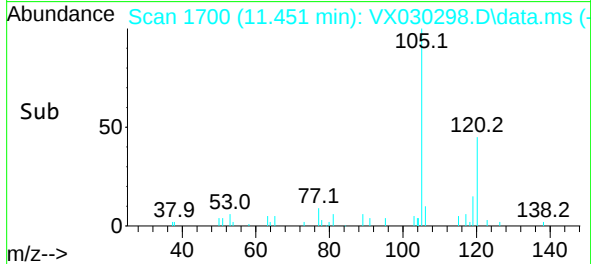
Instrument :
MSVOA_X
ClientSampleId :
220727100-02-VOA



Tgt Ion:105 Resp: 372
Ion Ratio Lower Upper
105 100
120 52.4 24.4 73.2

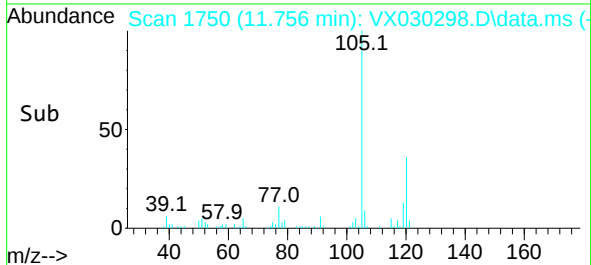
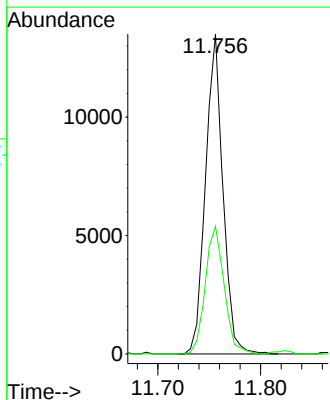
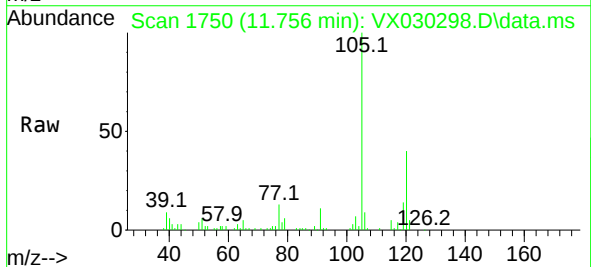
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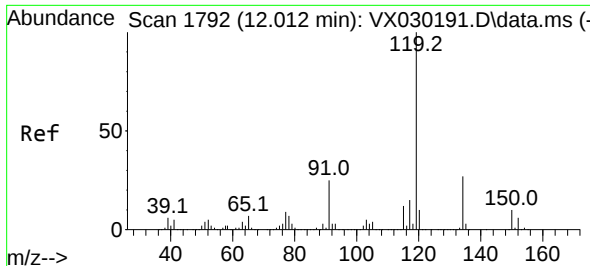
Reviewed By :John Carlone 08/01/2022
Supervised By :Mahesh Dadoda 08/01/2022



#84
1,2,4-Trimethylbenzene
Concen: 1.578 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX030298.D
Acq: 29 Jul 2022 13:25

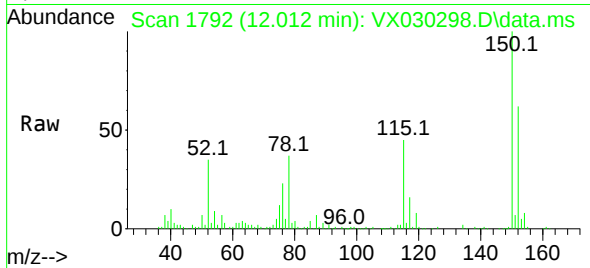
Tgt Ion:105 Resp: 15892
Ion Ratio Lower Upper
105 100
120 43.3 22.9 68.8





#86
p-Isopropyltoluene
Concen: 0.513 ug/l m
RT: 12.012 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VX030298.D
Acq: 29 Jul 2022 13:25

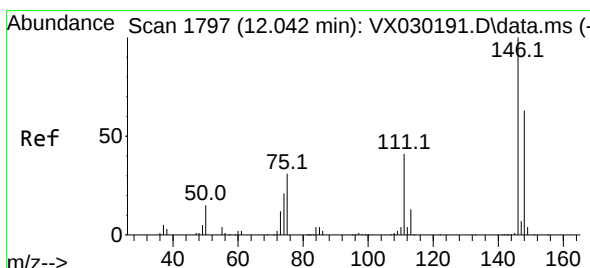
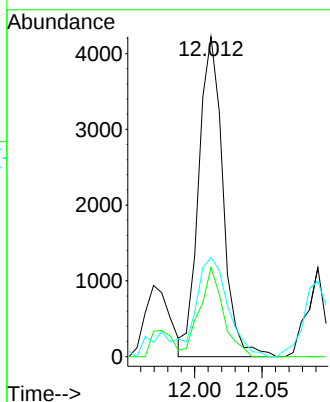
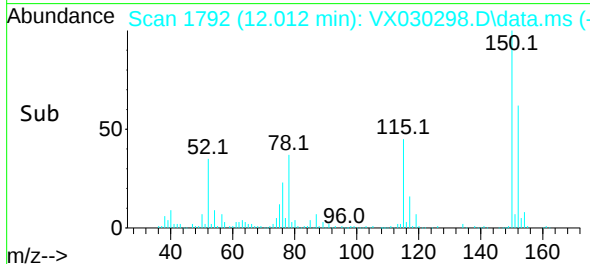
Instrument :
MSVOA_X
ClientSampleId :
220727100-02-VOA



Tgt Ion:119 Resp: 526
Ion Ratio Lower Upper
119 100
134 7.2 13.9 41.6
91 7.3 11.8 35.3

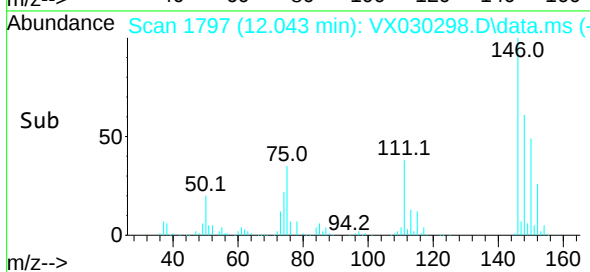
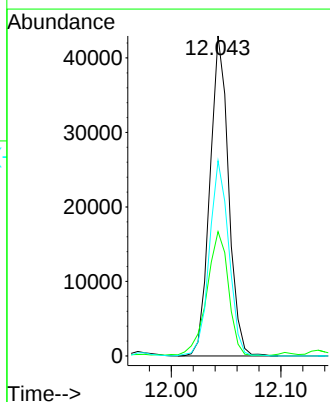
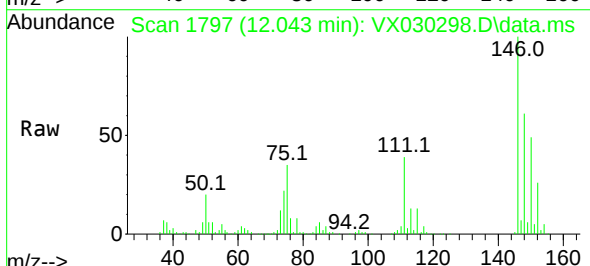
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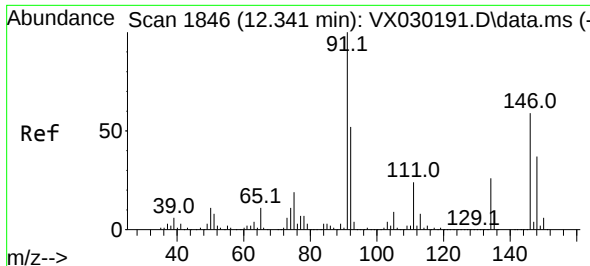
Reviewed By :John Carlone 08/01/2022
Supervised By :Mahesh Dadoda 08/01/2022



#88
1,4-Dichlorobenzene
Concen: 9.069 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.001 min
Lab File: VX030298.D
Acq: 29 Jul 2022 13:25

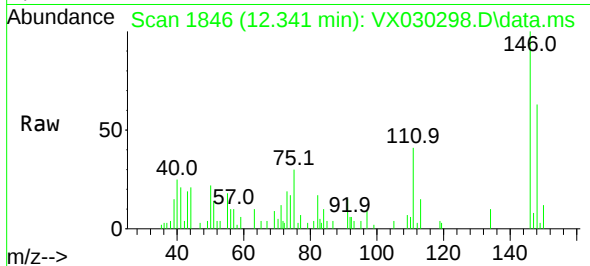
Tgt Ion:146 Resp: 50805
Ion Ratio Lower Upper
146 100
111 44.6 20.3 60.9
148 63.5 32.3 96.8





#91
1,2-Dichlorobenzene
Concen: 0.677 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.000 min
Lab File: VX030298.D
Acq: 29 Jul 2022 13:25

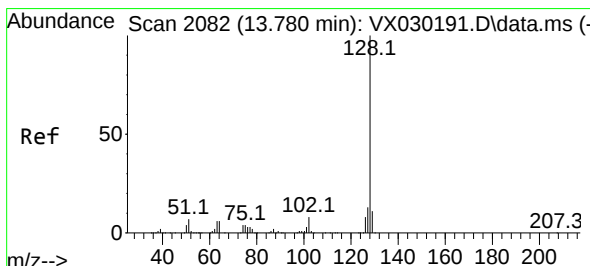
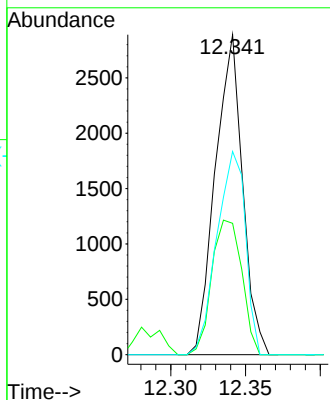
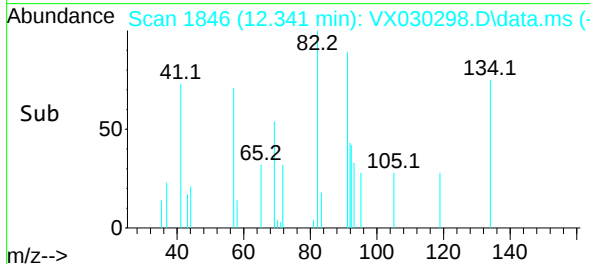
Instrument :
MSVOA_X
ClientSampleId :
220727100-02-VOA



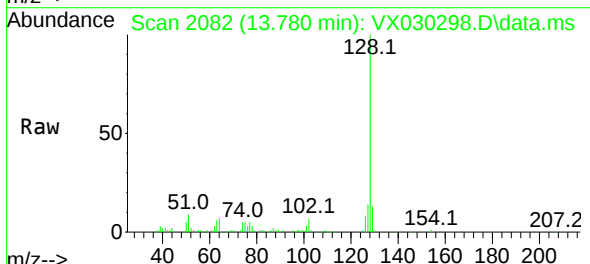
Tgt Ion:146 Resp: 365
Ion Ratio Lower Upper
146 100
111 46.3 20.7 62.1
148 66.6 32.0 96.2

Manual Integrations
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Reviewed By :John Carlone 08/01/2022
Supervised By :Mahesh Dadoda 08/01/2022



#95
Naphthalene
Concen: 2.417 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX030298.D
Acq: 29 Jul 2022 13:25



Tgt Ion:128 Resp: 29568
Ion Ratio Lower Upper
128 100
127 13.9 10.2 15.2
129 12.5 8.6 13.0

