

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW110921\
 Data File : VW023347.D
 Acq On : 10 Nov 2021 21:09
 Operator : SY/MD
 Sample : M4542-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BGGE9

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/11/2021
 Supervised By : Mahesh Dadoda 11/11/2021

Quant Time: Nov 11 00:46:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 11 00:38:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	130697	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	128197	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	72194	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	34859	4.258	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.200%
7) Chloroethane-d5	1.564	69	27414	4.108	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.200%
11) 1,1-Dichloroethene-d2	2.108	63	49776	3.247	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.000%
20) 2-Butanone-d5	3.892	46	77931	55.247	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.500%
24) Chloroform-d	4.352	84	70666	4.050	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.000%
26) 1,2-Dichloroethane-d4	5.034	65	33514	4.271	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
32) Benzene-d6	5.053	84	139931	4.254	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
36) 1,2-Dichloropropane-d6	6.072	67	41967	4.334	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.600%
41) Toluene-d8	7.320	98	123907	4.020	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.400%
43) trans-1,3-Dichloroprop...	7.628	79	14594	3.975	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.400%
46) 2-Hexanone-d5	8.091	63	61699	45.674	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.340%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	29861	4.288	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	52042	4.329	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.236	50	4538	0.419	ug/L	91
5) Vinyl chloride	1.307	62	4022	0.372	ug/L #	81
12) 1,1-Dichloroethene	2.114	96	1133	0.145	ug/L #	1
13) Acetone	2.178	43	5636	6.539	ug/L	94
19) 1,1-Dichloroethane	3.195	63	11941	0.738	ug/L	98
22) cis-1,2-Dichloroethene	3.915	96	23019	2.496	ug/L #	88
25) Chloroform	4.381	83	13256	0.769	ug/L	98
29) 1,1,1-Trichloroethane	4.612	97	18638	1.197	ug/L	98
33) Benzene	5.108	78	4797	0.134	ug/L	100
34) Trichloroethene	5.918	95	78976	8.288	ug/L	99
35) Methylcyclohexane	6.137	83	2347	0.156	ug/L	91
42) Toluene	7.391	91	159947	4.173	ug/L	99
47) Tetrachloroethene	7.979	164	2938	0.356	ug/L	90
51) Chlorobenzene	8.882	112	141019	5.536	ug/L	99
52) Ethylbenzene	9.017	91	6650	0.165	ug/L	98
53) m,p-xylene	9.146	106	3963	0.250	ug/L	92
54) o-xylene	9.548	106	8979	0.603	ug/L	99
60) Isopropylbenzene	9.934	105	31348	0.757	ug/L	99
62) 1,3,5-Trimethylbenzene	10.545	105	5152m	0.150	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.914	105	427941	12.517	ug/L	99
64) 1,3-Dichlorobenzene	11.188	146	2032	0.096	ug/L	97
65) 1,4-Dichlorobenzene	11.275	146	13633	0.631	ug/L	97
67) 1,2-Dichlorobenzene	11.644	146	10979	0.580	ug/L	95

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

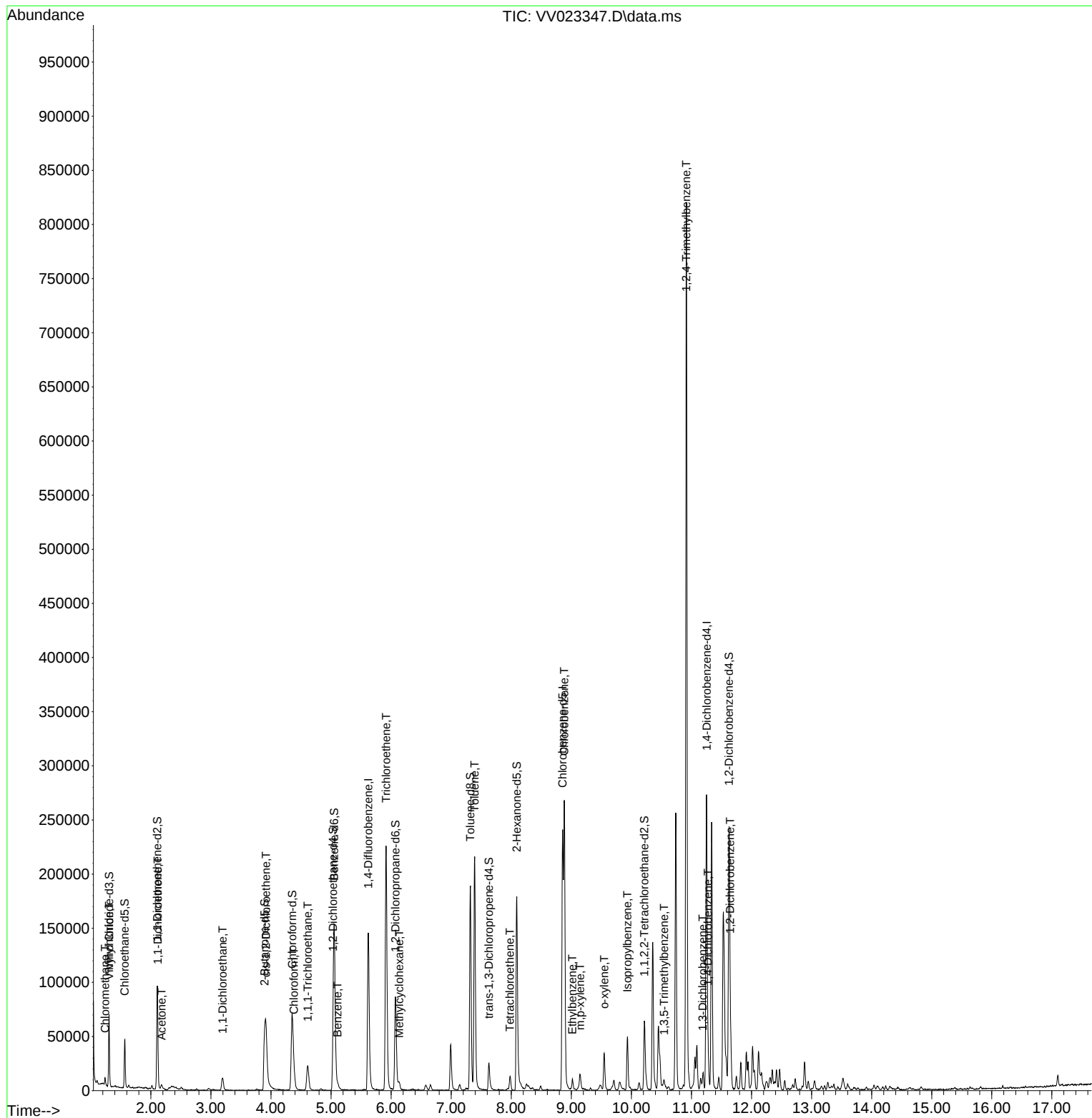
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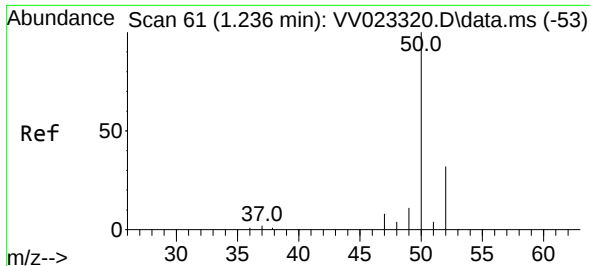
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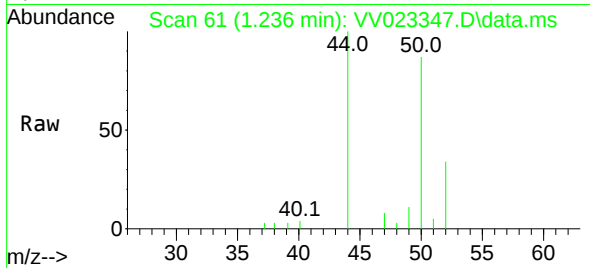
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#3
Chloromethane
Concen: 0.419 ug/L
RT: 1.236 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV023347.D
Acq: 10 Nov 2021 21:09

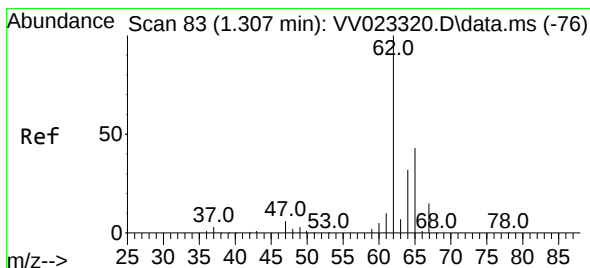
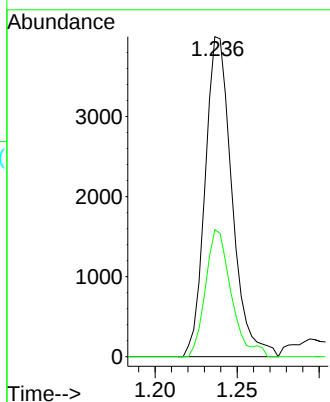
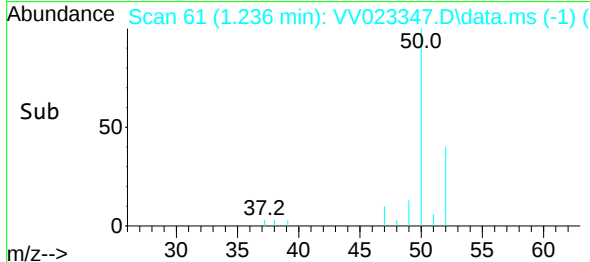
Instrument :
MSVOA_V
ClientSampleId :
BGGE9



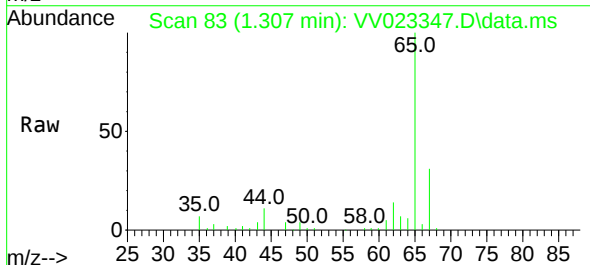
Tgt Ion: 50 Resp: 4538
Ion Ratio Lower Upper
50 100
52 39.7 24.3 45.1

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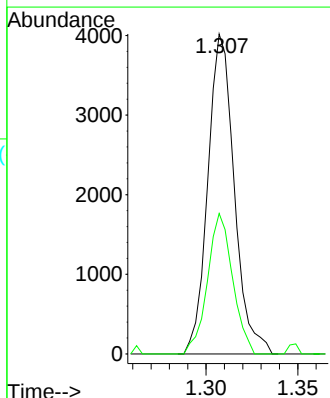
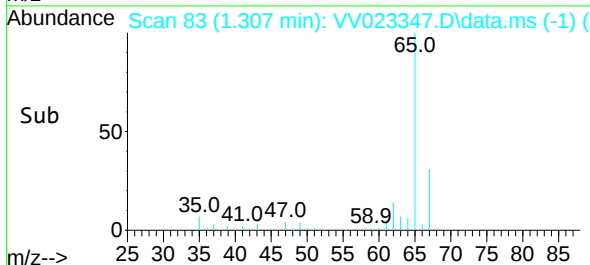
Reviewed By :John Carlone 11/11/2021
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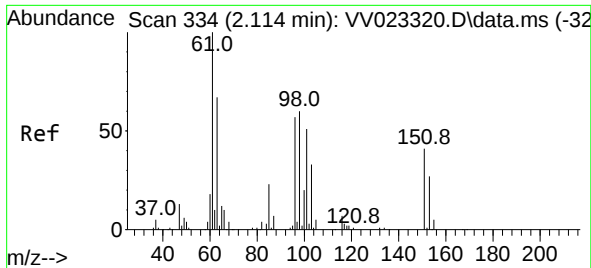


#5
Vinyl chloride
Concen: 0.372 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.000 min
Lab File: VV023347.D
Acq: 10 Nov 2021 21:09



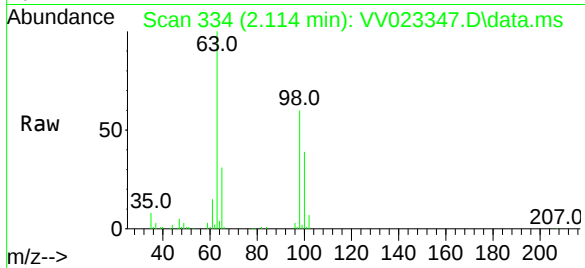
Tgt Ion: 62 Resp: 4022
Ion Ratio Lower Upper
62 100
64 43.9 23.1 42.9





#12
1,1-Dichloroethene
Concen: 0.145 ug/L
RT: 2.114 min Scan# 311
Delta R.T. -0.000 min
Lab File: VV023347.D
Acq: 10 Nov 2021 21:09

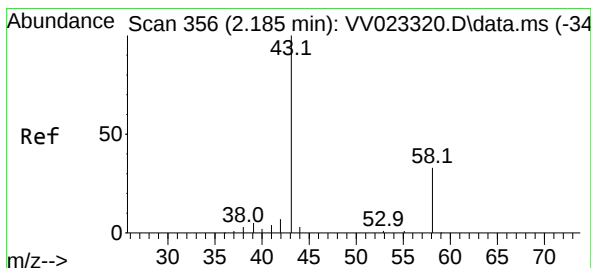
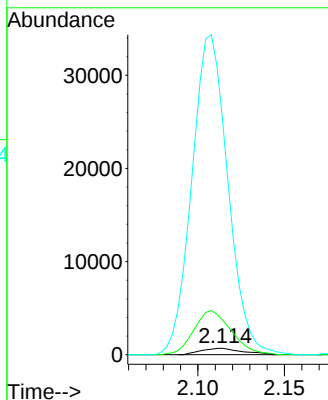
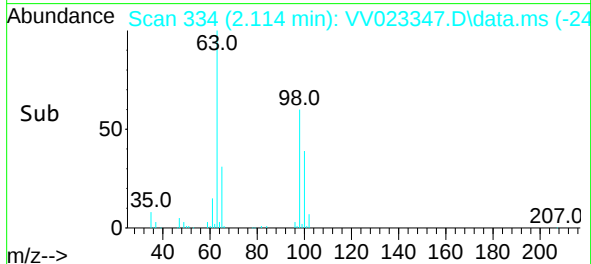
Instrument :
MSVOA_V
ClientSampleId :
BGGE9



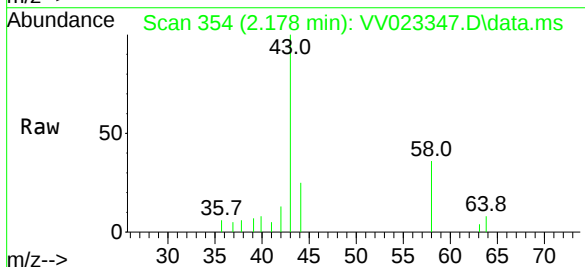
Tgt Ion: 96 Resp: 113
Ion Ratio Lower Upper
96 100
61 539.1 121.5 225.7
63 3667.4 99.6 185.0

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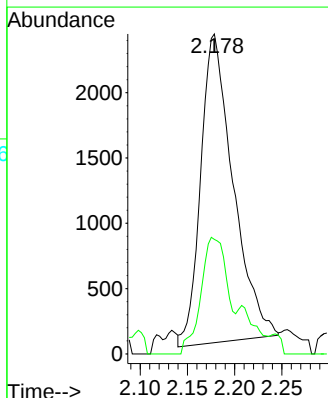
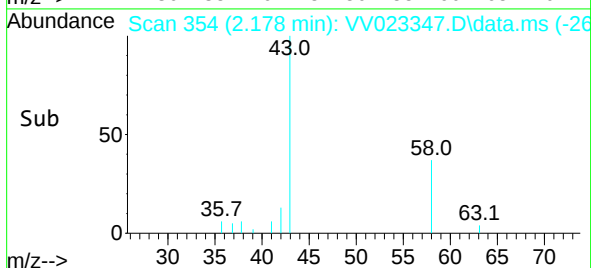
Reviewed By :John Carlone 11/11/2021
Supervised By :Mahesh Dadoda 11/11/2021

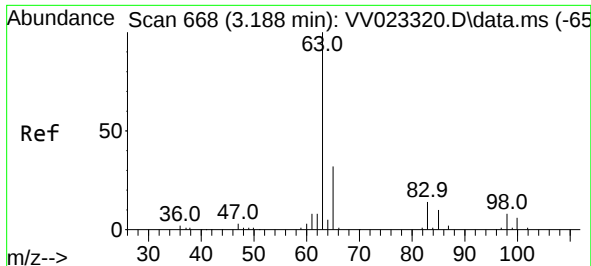


#13
Acetone
Concen: 6.539 ug/L
RT: 2.178 min Scan# 354
Delta R.T. -0.007 min
Lab File: VV023347.D
Acq: 10 Nov 2021 21:09



Tgt Ion: 43 Resp: 5636
Ion Ratio Lower Upper
43 100
58 31.0 0.0 55.4





#19

1,1-Dichloroethane

Concen: 0.738 ug/L

RT: 3.195 min Scan# 61

Delta R.T. 0.006 min

Lab File: VV023347.D

Acq: 10 Nov 2021 21:09

Instrument :

MSVOA_V

ClientSampleId :

BGGE9

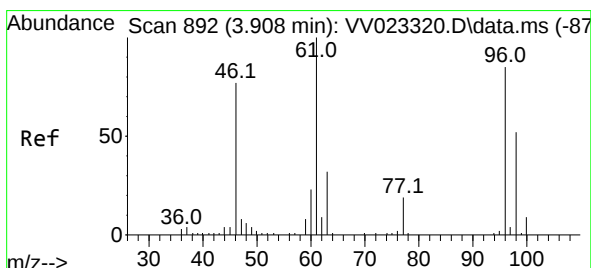
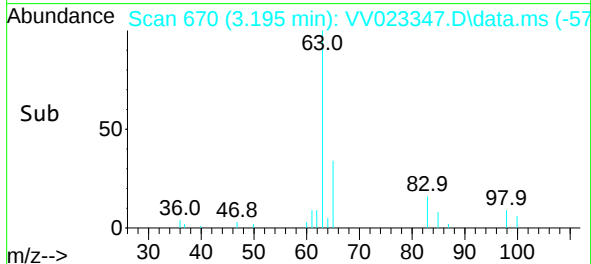
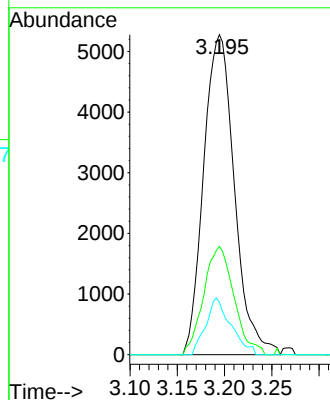
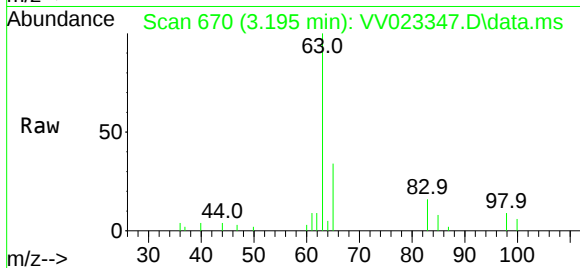
Tgt Ion: 63	Resp: 1194
Ion Ratio	Lower Upper
63 100	
65 33.8	22.6 42.0
83 16.4	11.1 20.7

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#22

cis-1,2-Dichloroethene

Concen: 2.496 ug/L

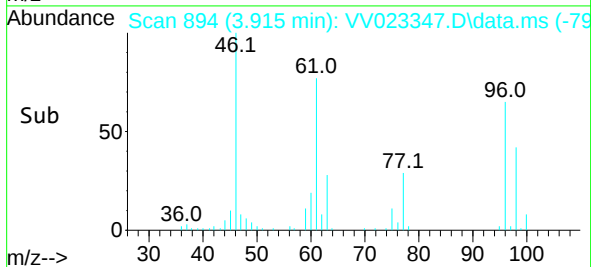
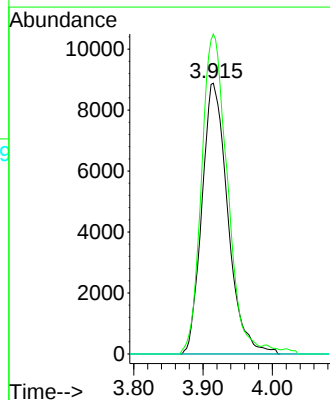
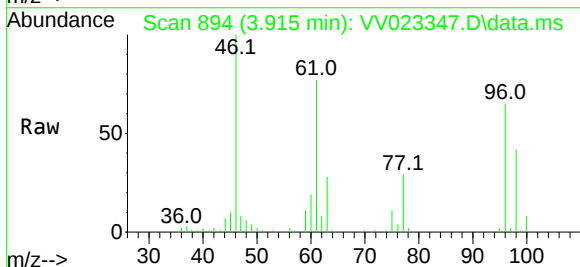
RT: 3.915 min Scan# 894

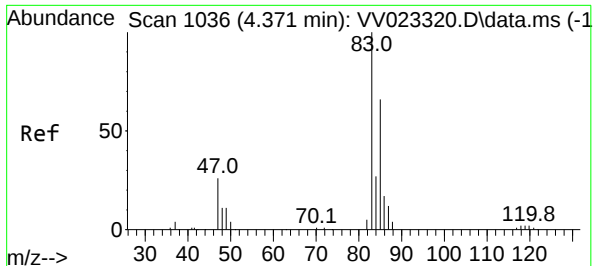
Delta R.T. 0.006 min

Lab File: VV023347.D

Acq: 10 Nov 2021 21:09

Tgt Ion: 96	Resp: 23019
Ion Ratio	Lower Upper
96 100	
61 118.2	92.3 171.3
68 0.0	0.4 0.8





#25

Chloroform

Concen: 0.769 ug/L

RT: 4.381 min Scan# 1109

Delta R.T. 0.010 min

Lab File: VV023347.D

Acq: 10 Nov 2021 21:09

Instrument :

MSVOA_V

ClientSampleId :

BGGE9

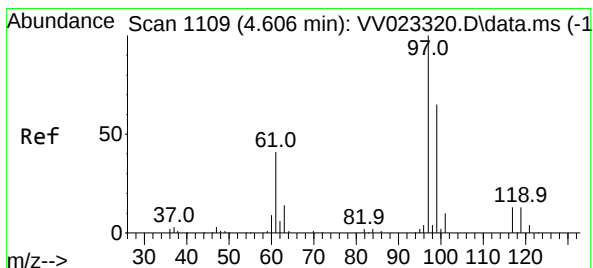
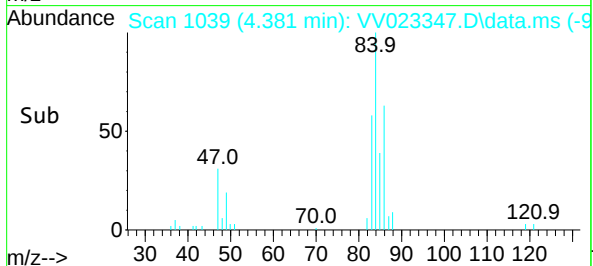
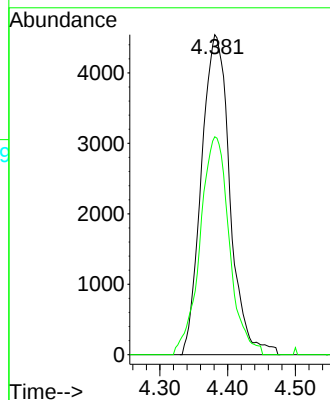
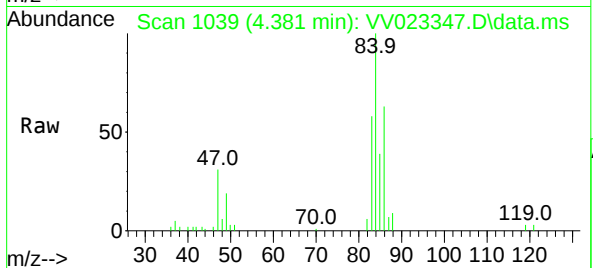
Tgt Ion: 83 Resp: 13250
 Ion Ratio Lower Upper
 83 100
 85 68.1 46.8 86.8

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#29

1,1,1-Trichloroethane

Concen: 1.197 ug/L

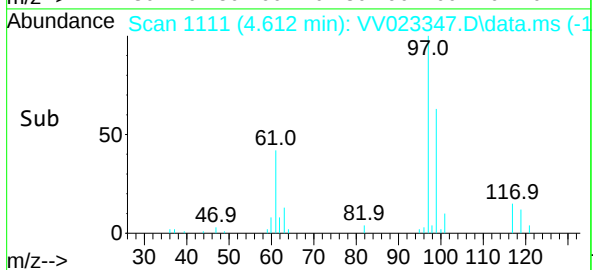
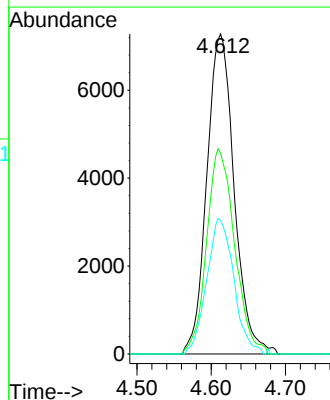
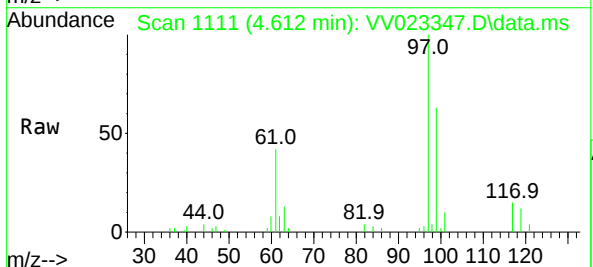
RT: 4.612 min Scan# 1111

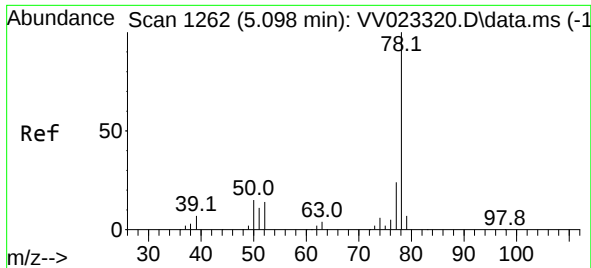
Delta R.T. 0.006 min

Lab File: VV023347.D

Acq: 10 Nov 2021 21:09

Tgt Ion: 97 Resp: 18638
 Ion Ratio Lower Upper
 97 100
 99 65.6 51.0 76.4
 61 42.0 34.1 51.1





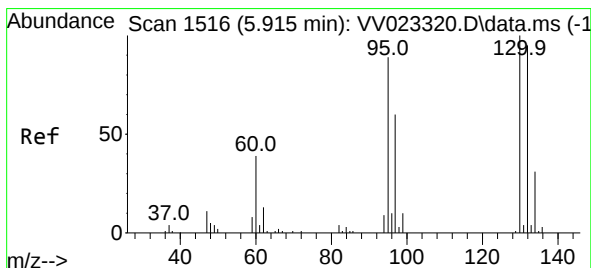
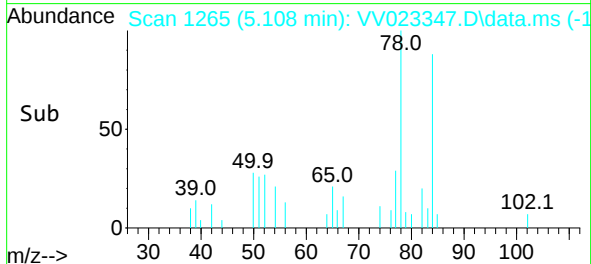
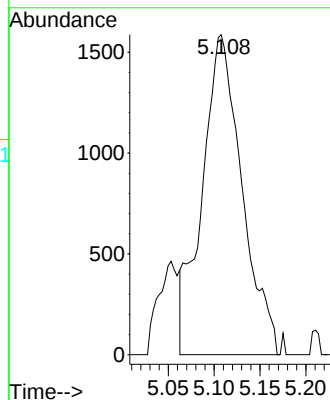
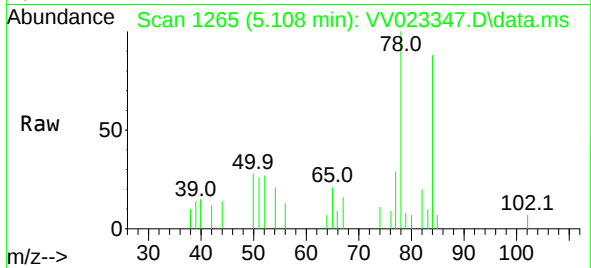
#33
Benzene
Concen: 0.134 ug/L
RT: 5.108 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV023347.D
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Tgt Ion: 78 Resp: 479

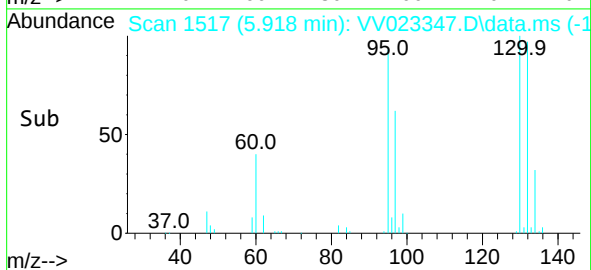
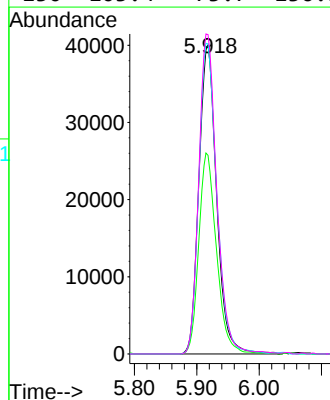
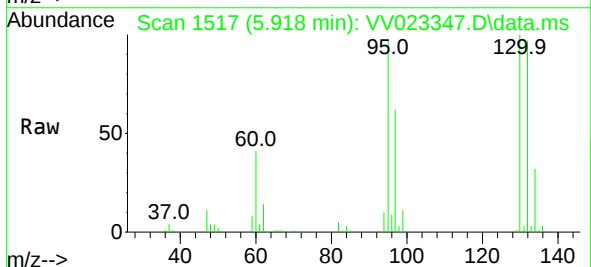
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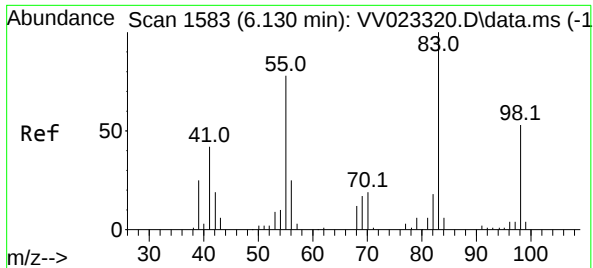
Reviewed By :John Carlone 11/11/2021
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#34
Trichloroethene
Concen: 8.288 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.003 min
Lab File: VV023347.D
Acq: 10 Nov 2021 21:09

Tgt Ion: 95 Resp: 78976
Ion Ratio Lower Upper
95 100
97 64.3 45.0 83.6
132 100.4 69.7 129.4
130 103.4 73.7 136.9





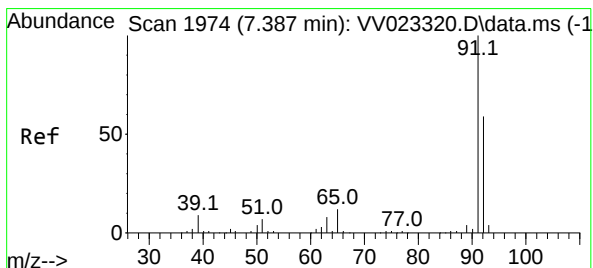
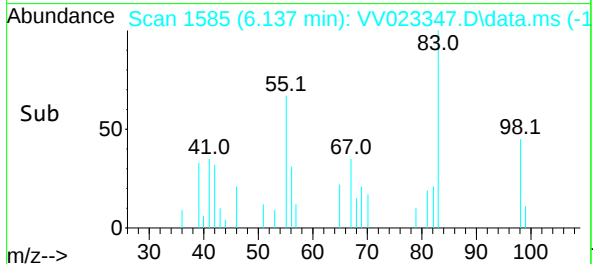
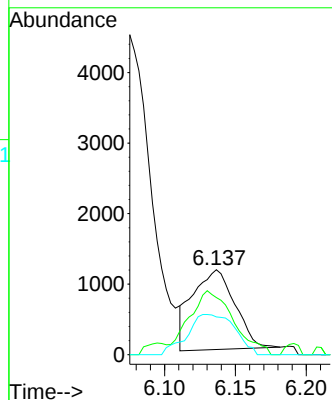
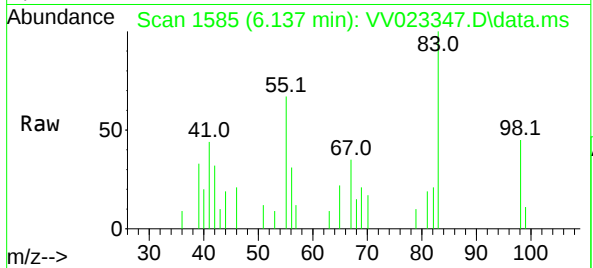
#35
Methylcyclohexane
Concen: 0.156 ug/L
RT: 6.137 min Scan# 1583
Delta R.T. 0.006 min
Lab File: VV023347.D
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Tgt Ion: 83 Resp: 234
Ion Ratio Lower Upper
83 100
55 84.3 62.8 94.2
98 56.5 37.9 56.9

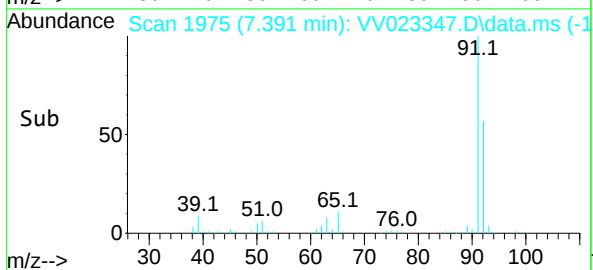
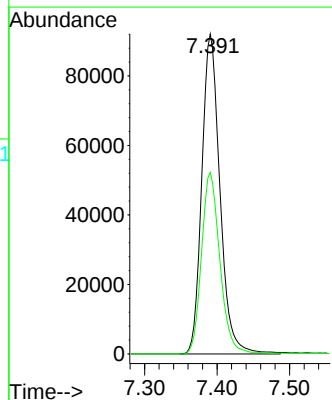
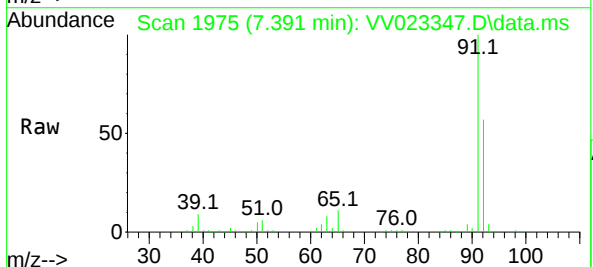
Manual Integrations
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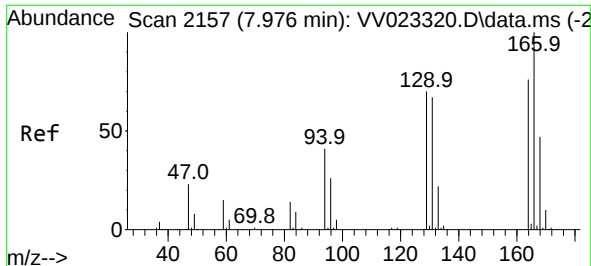
Reviewed By :John Carlone 11/11/2021
Supervised By :Mahesh Dadoda 11/11/2021



#42
Toluene
Concen: 4.173 ug/L
RT: 7.391 min Scan# 1975
Delta R.T. 0.003 min
Lab File: VV023347.D
Acq: 10 Nov 2021 21:09

Tgt Ion: 91 Resp: 159947
Ion Ratio Lower Upper
91 100
92 56.7 39.3 72.9





#47

Tetrachloroethene

Concen: 0.356 ug/L

RT: 7.979 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV023347.D

Acq: 10 Nov 2021 21:09

Instrument :

MSVOA_V

ClientSampleId :

BGGE9

Tgt Ion:164 Resp: 2938

Ion Ratio Lower Upper

164 100

129 106.4 64.0 119.0

131 97.8 63.4 117.8

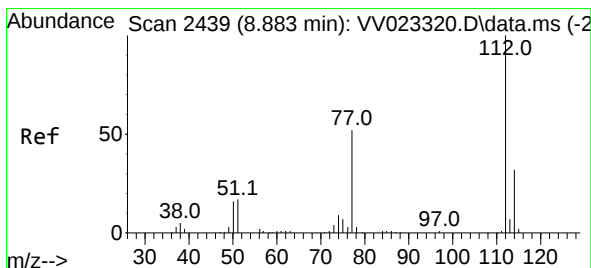
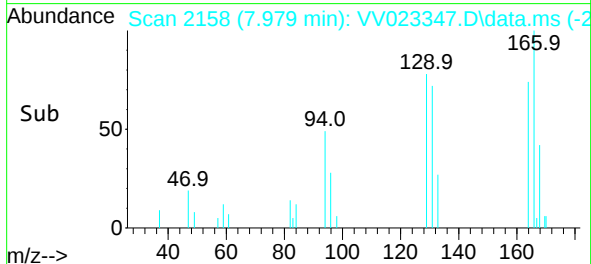
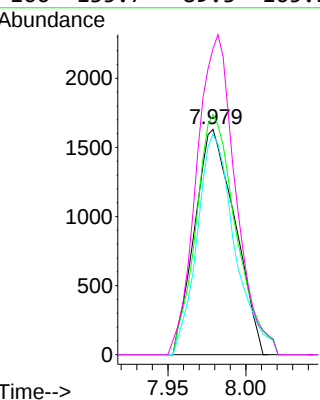
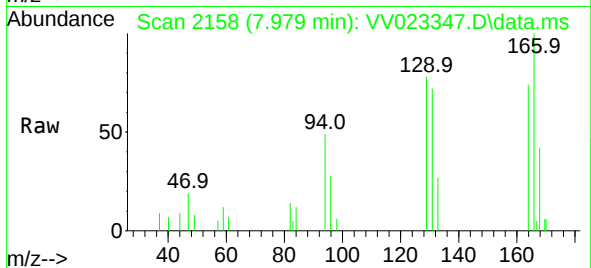
166 135.7 89.3 165.9

Manual Integrations

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Reviewed By :John Carlone 11/11/2021

Supervised By :Mahesh Dadoda 11/11/2021



#51

Chlorobenzene

Concen: 5.536 ug/L

RT: 8.882 min Scan# 2439

Delta R.T. -0.000 min

Lab File: VV023347.D

Acq: 10 Nov 2021 21:09

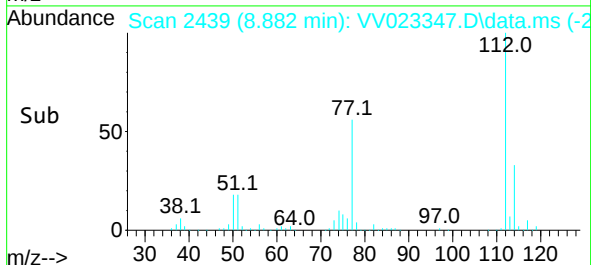
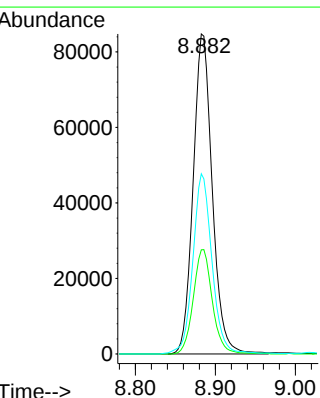
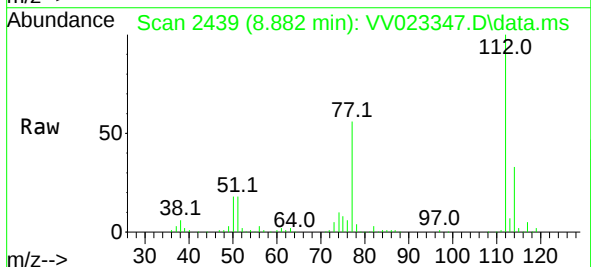
Tgt Ion:112 Resp: 141019

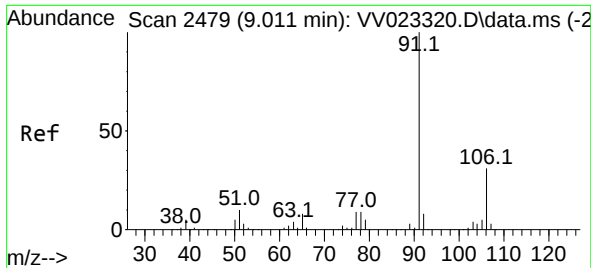
Ion Ratio Lower Upper

112 100

114 32.6 22.0 40.8

77 56.3 44.4 66.6





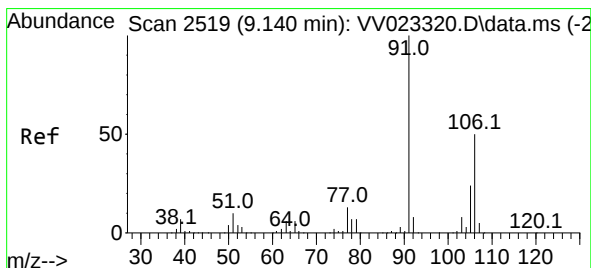
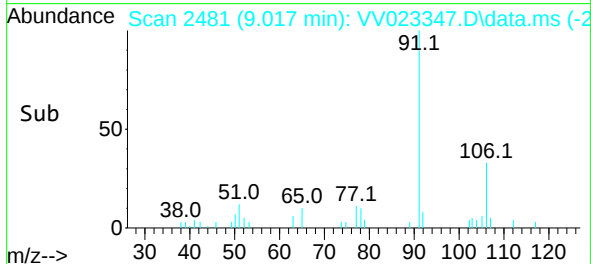
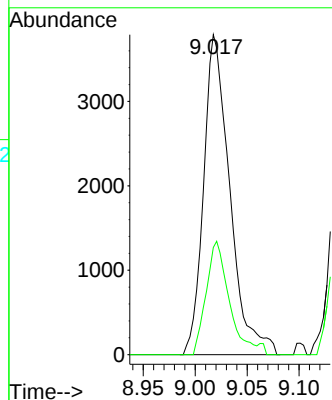
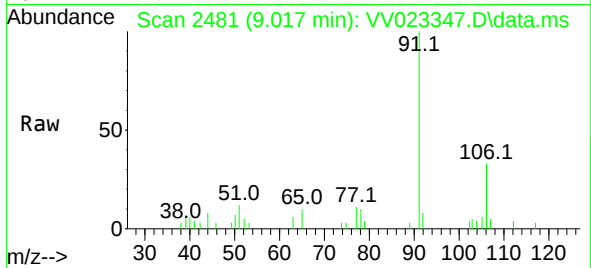
#52
Ethylbenzene
Concen: 0.165 ug/L
RT: 9.017 min Scan# 2479
Delta R.T. 0.006 min
Lab File: VV023347.D
Acq: 10 Nov 2021 21:09

Instrument :
MSVOA_V
ClientSampleId :
BGGE9

Tgt Ion: 91 Resp: 6650
Ion Ratio Lower Upper
91 100
106 33.5 22.5 41.9

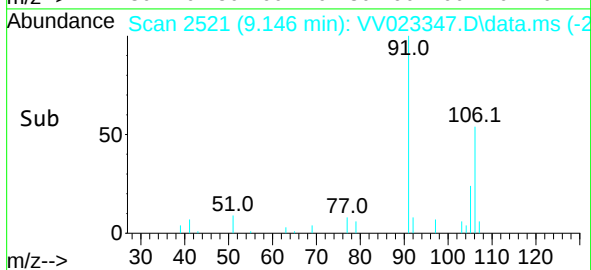
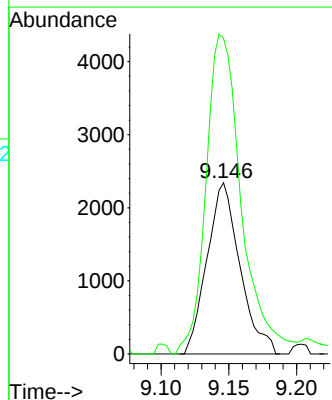
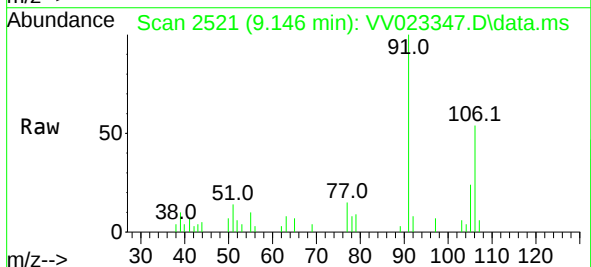
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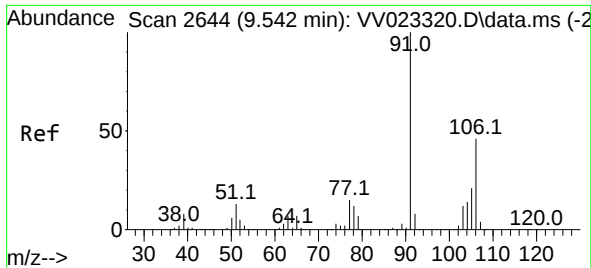
Reviewed By :John Carlone 11/11/2021
Supervised By :Mahesh Dadoda 11/11/2021



#53
m,p-xylene
Concen: 0.250 ug/L
RT: 9.146 min Scan# 2521
Delta R.T. 0.006 min
Lab File: VV023347.D
Acq: 10 Nov 2021 21:09

Tgt Ion:106 Resp: 3963
Ion Ratio Lower Upper
106 100
91 184.3 137.2 254.8





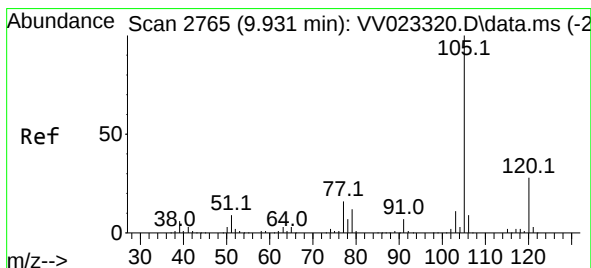
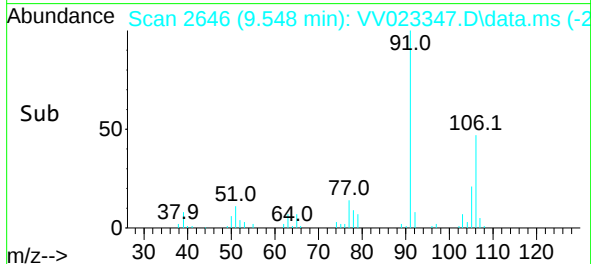
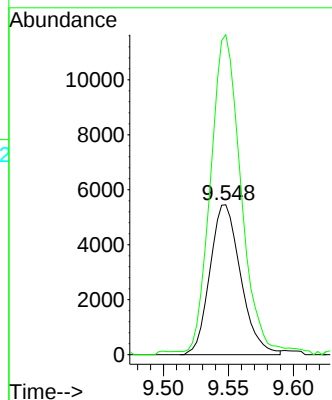
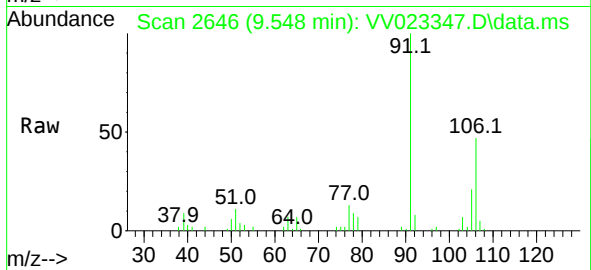
#54
o-xylene
Concen: 0.603 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.006 min
Lab File: VV023347.D
Acq: 10 Nov 2021 21:09

Instrument :
MSVOA_V
ClientSampleId :
BGGE9

Tgt Ion:106 Resp: 8979
Ion Ratio Lower Upper
106 100
91 213.4 148.3 275.5

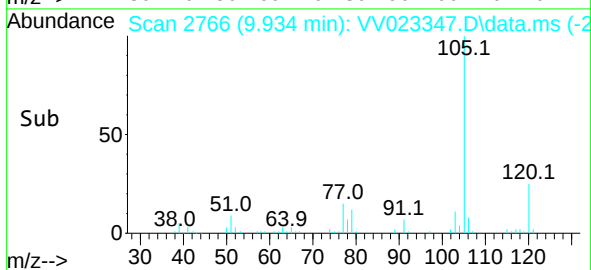
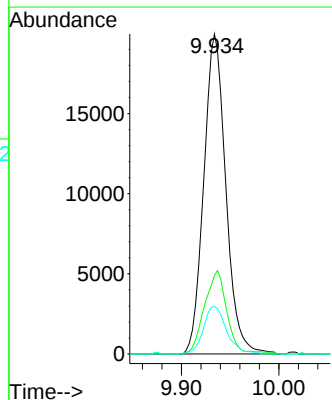
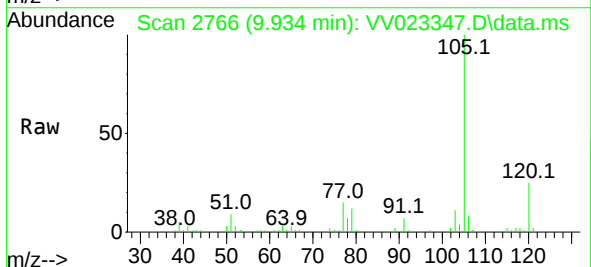
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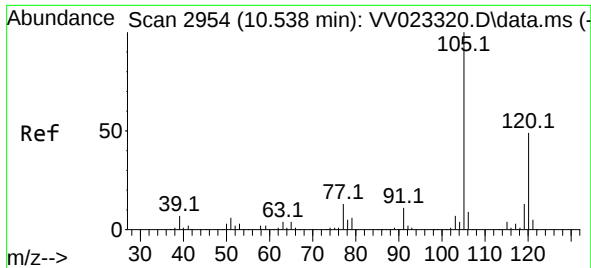
Reviewed By :John Carlone 11/11/2021
Supervised By :Mahesh Dadoda 11/11/2021



#60
Isopropylbenzene
Concen: 0.757 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VV023347.D
Acq: 10 Nov 2021 21:09

Tgt Ion:105 Resp: 31348
Ion Ratio Lower Upper
105 100
120 26.6 21.7 32.5
77 15.6 12.6 19.0





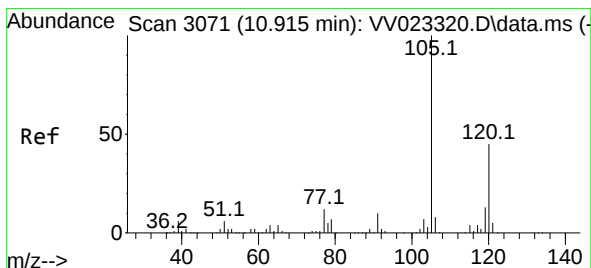
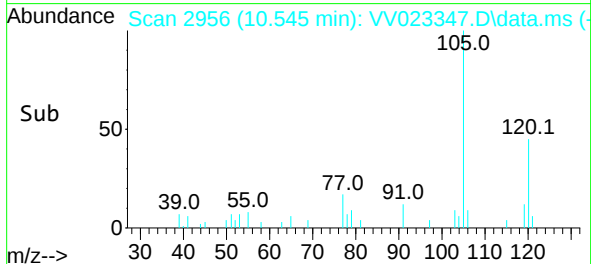
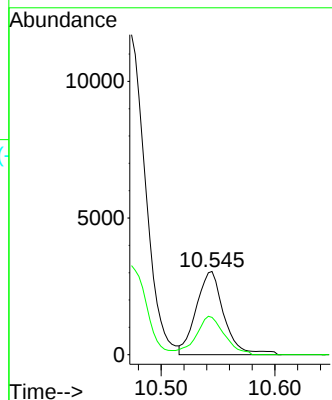
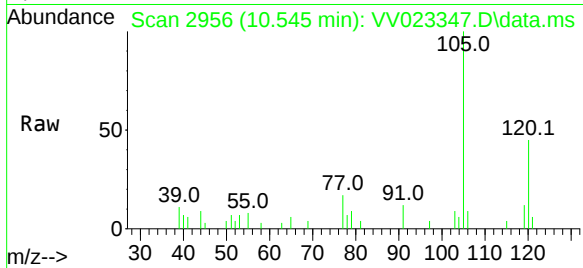
#62
1,3,5-Trimethylbenzene
Concen: 0.150 ug/L m
RT: 10.545 min Scan# 2954
Delta R.T. 0.006 min
Lab File: VV023347.D
Acq: 10 Nov 2021 21:09

Instrument :
MSVOA_V
ClientSampleId :
BGGE9

Tgt Ion:105 Resp: 5152
Ion Ratio Lower Upper
105 100
120 3811.6 39.7 59.1

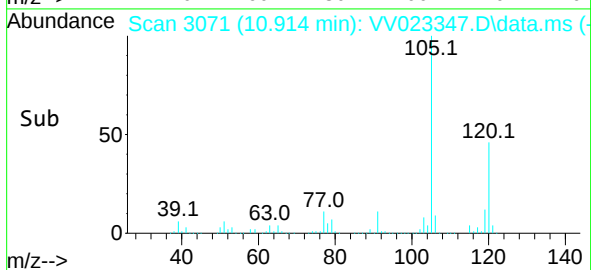
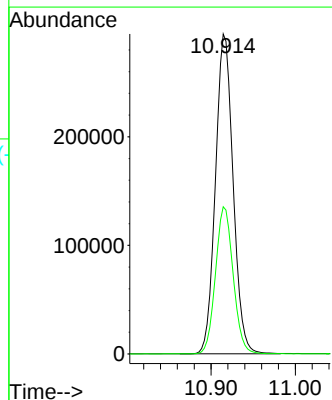
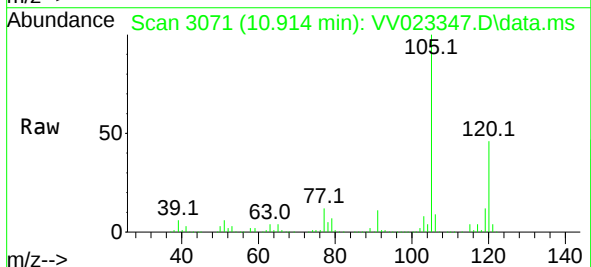
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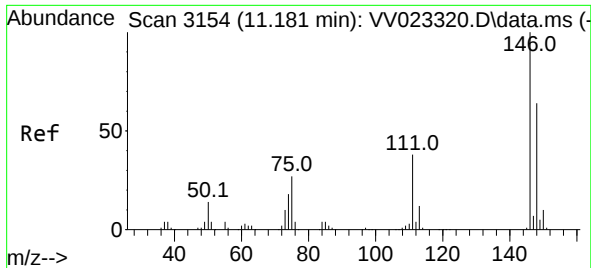
Reviewed By :John Carlone 11/11/2021
Supervised By :Mahesh Dadoda 11/11/2021



#63
1,2,4-Trimethylbenzene
Concen: 12.517 ug/L
RT: 10.914 min Scan# 3071
Delta R.T. -0.000 min
Lab File: VV023347.D
Acq: 10 Nov 2021 21:09

Tgt Ion:105 Resp: 427941
Ion Ratio Lower Upper
105 100
120 45.9 37.4 56.2





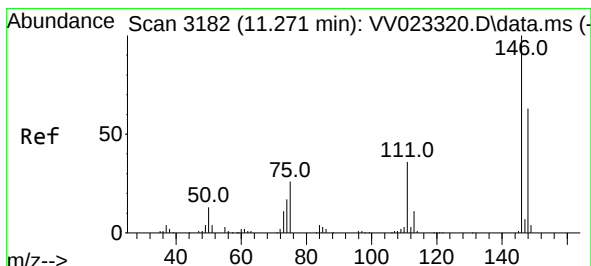
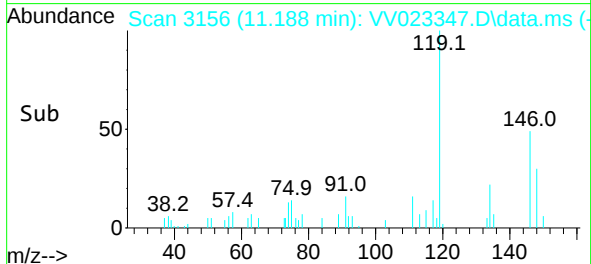
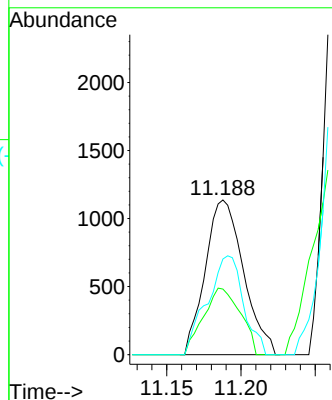
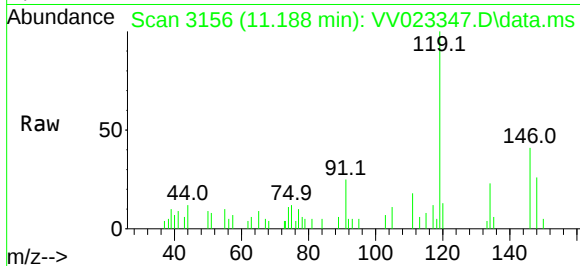
#64
1,3-Dichlorobenzene
Concen: 0.096 ug/L
RT: 11.188 min Scan# 3154
Delta R.T. 0.006 min
Lab File: VV023347.D
Acq: 10 Nov 2021 21:09

Instrument :
MSVOA_V
ClientSampleId :
BGGE9

Tgt Ion:146 Resp: 2032
Ion Ratio Lower Upper
146 100
111 42.4 26.7 49.7
148 61.9 42.9 79.7

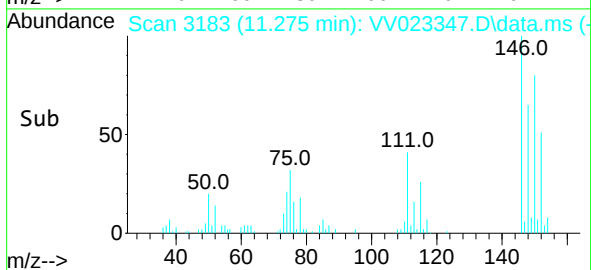
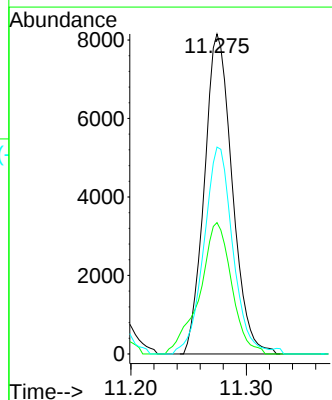
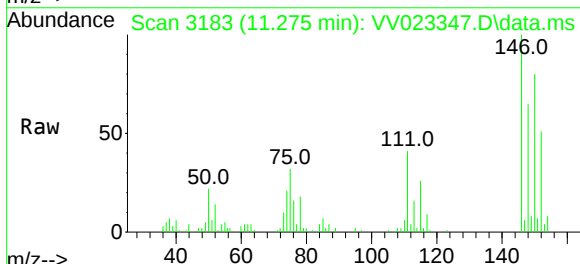
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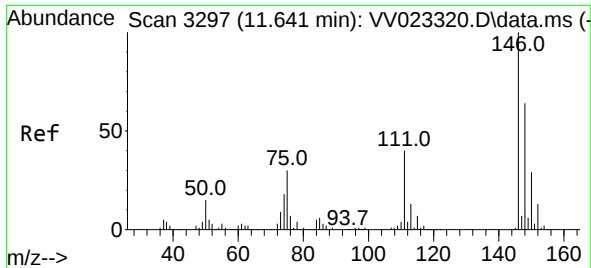
Reviewed By :John Carlone 11/11/2021
Supervised By :Mahesh Dadoda 11/11/2021



#65
1,4-Dichlorobenzene
Concen: 0.631 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.003 min
Lab File: VV023347.D
Acq: 10 Nov 2021 21:09

Tgt Ion:146 Resp: 13633
Ion Ratio Lower Upper
146 100
111 41.0 26.2 48.8
148 64.7 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 0.580 ug/L

RT: 11.644 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV023347.D

Acq: 10 Nov 2021 21:09

Instrument :

MSVOA_V

ClientSampleId :

BGGE9

Tgt Ion:146 Resp: 10979

Ion Ratio Lower Upper

146 100

111 46.4 31.6 47.4

148 62.9 51.0 76.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/11/2021

Supervised By :Mahesh Dadoda 11/11/2021

