

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW110921\
 Data File : VW023345.D
 Acq On : 10 Nov 2021 20:24
 Operator : SY/MD
 Sample : M4542-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BGGE7

Manual Integrations
 APPROVED

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

Quant Time: Nov 11 00:45:52 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	136395	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	136893	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	76656	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	25843	3.024	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.400%
7) Chloroethane-d5	1.568	69	24896	3.575	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.400%
11) 1,1-Dichloroethene-d2	2.108	63	39474	2.468	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	49.400%#
20) 2-Butanone-d5	3.886	46	97346	66.128	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.260%#
24) Chloroform-d	4.352	84	71915	3.949	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.000%
26) 1,2-Dichloroethane-d4	5.037	65	36929	4.510	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
32) Benzene-d6	5.053	84	131546	3.745	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.000%
36) 1,2-Dichloropropane-d6	6.072	67	44580	4.312	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.200%
41) Toluene-d8	7.320	98	110535	3.358	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.200%#
43) trans-1,3-Dichloroprop...	7.628	79	14940	3.811	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.200%
46) 2-Hexanone-d5	8.088	63	78294	54.277	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.560%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	34981	4.705	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	56496	4.426	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	5045	0.446	ug/L	98
5) Vinyl chloride	1.310	62	5800	0.514	ug/L	94
12) 1,1-Dichloroethene	2.117	96	1527	0.188	ug/L #	1
13) Acetone	2.175	43	4789	5.324	ug/L	91
14) Carbon disulfide	2.294	76	1585	0.052	ug/L #	93
19) 1,1-Dichloroethane	3.191	63	11446	0.678	ug/L	97
22) cis-1,2-Dichloroethene	3.915	96	22870	2.377	ug/L #	100
25) Chloroform	4.381	83	16078	0.893	ug/L	96
29) 1,1,1-Trichloroethane	4.616	97	18854	1.134	ug/L	98
31) Carbon tetrachloride	4.831	117	1205m	0.081	ug/L	
33) Benzene	5.108	78	4686	0.122	ug/L	100
34) Trichloroethene	5.915	95	99414	9.770	ug/L	98
35) Methylcyclohexane	6.130	83	4266	0.266	ug/L	93
42) Toluene	7.391	91	69614	1.701	ug/L	95
47) Tetrachloroethene	7.982	164	3466	0.393	ug/L	91
51) Chlorobenzene	8.882	112	194811	7.162	ug/L	98
52) Ethylbenzene	9.021	91	6307	0.146	ug/L	94
53) m,p-xylene	9.146	106	2100	0.124	ug/L	97
54) o-xylene	9.545	106	9307	0.586	ug/L	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV110921\
 Data File : VV023345.D
 Acq On : 10 Nov 2021 20:24
 Operator : SY/MD
 Sample : M4542-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BGGE7

Manual Integrations
 APPROVED

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

Quant Time: Nov 11 00:45:52 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)
60) Isopropylbenzene	9.934	105	43171	0.981	ug/L	99
62) 1,3,5-Trimethylbenzene	10.542	105	6449m	0.177	ug/L	
63) 1,2,4-Trimethylbenzene	10.914	105	668014	18.401	ug/L	99
64) 1,3-Dichlorobenzene	11.188	146	2576	0.115	ug/L #	78
65) 1,4-Dichlorobenzene	11.275	146	19892	0.867	ug/L	98
67) 1,2-Dichlorobenzene	11.644	146	14924	0.742	ug/L	94

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

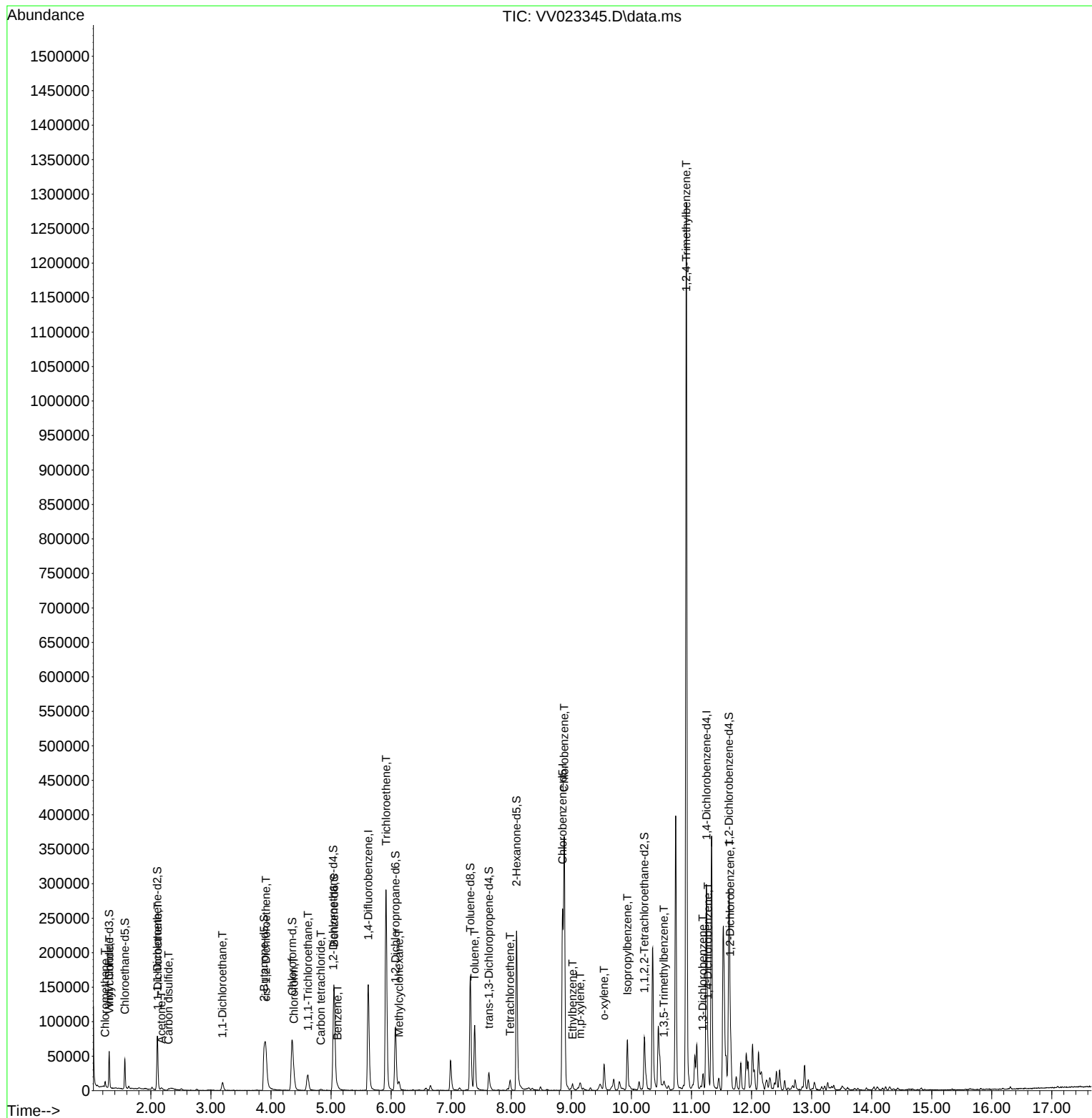
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV110921\
 Data File : VV023345.D
 Acq On : 10 Nov 2021 20:24
 Operator : SY/MD
 Sample : M4542-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

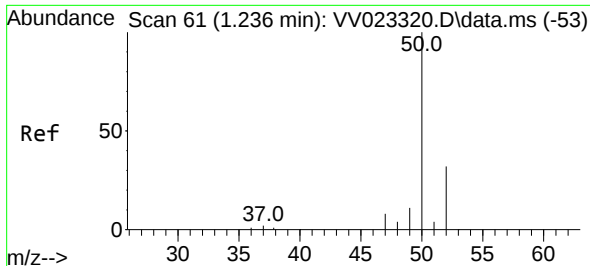
Instrument :
 MSVOA_V
 ClientSampleId :
 BGGE7

Quant Time: Nov 11 00:45:52 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

Manual Integrations APPROVED

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





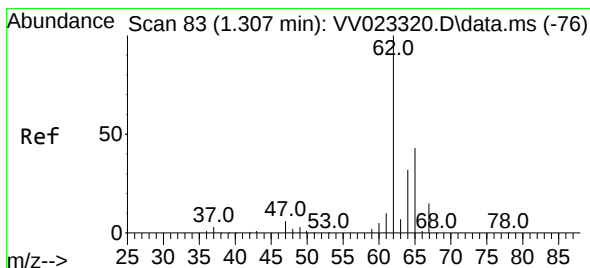
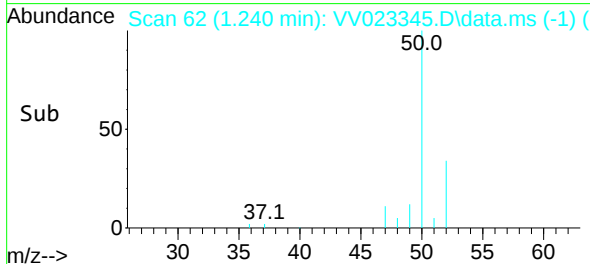
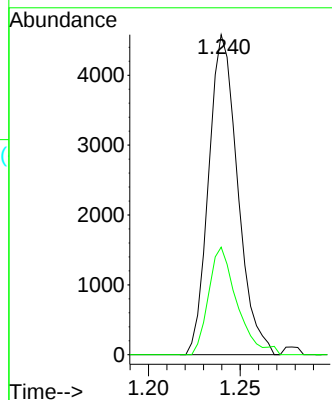
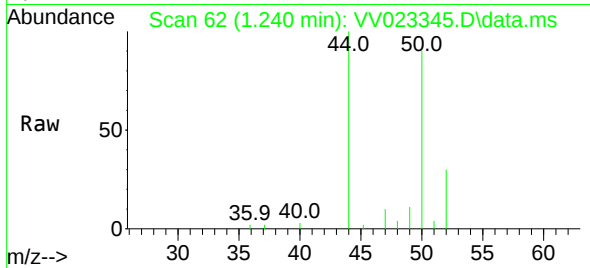
#3
Chloromethane
Concen: 0.446 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV023345.D
Acq: 10 Nov 2021 20:24

Instrument :
MSVOA_V
ClientSampleId :
BGGE7

Tgt Ion: 50 Resp: 5049
Ion Ratio Lower Upper
50 100
52 33.6 24.3 45.1

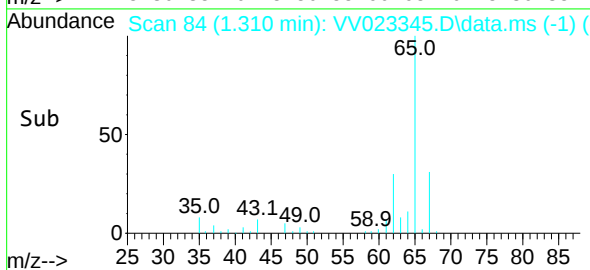
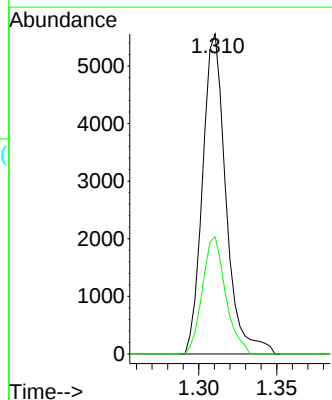
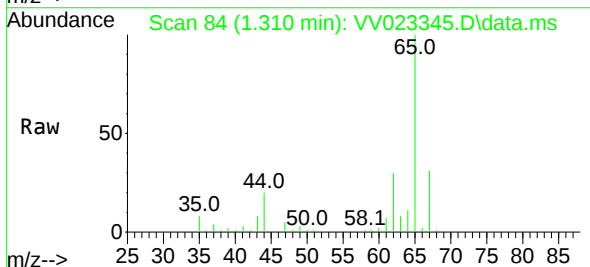
Manual Integrations
APPROVED

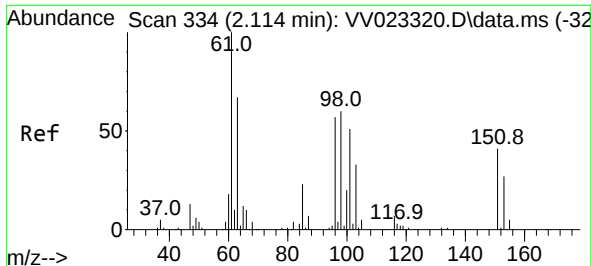
Reviewed By :John Carlone 11/11/2021
Supervised By :Mahesh Dadoda 11/11/2021



#5
Vinyl chloride
Concen: 0.514 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.003 min
Lab File: VV023345.D
Acq: 10 Nov 2021 20:24

Tgt Ion: 62 Resp: 5800
Ion Ratio Lower Upper
62 100
64 36.6 23.1 42.9





#12

1,1-Dichloroethene

Concen: 0.188 ug/L

RT: 2.117 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV023345.D

Acq: 10 Nov 2021 20:24

Instrument :

MSVOA_V

ClientSampleId :

BGGE7

Tgt Ion: 96 Resp: 152

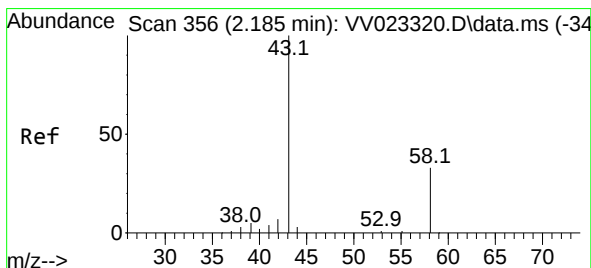
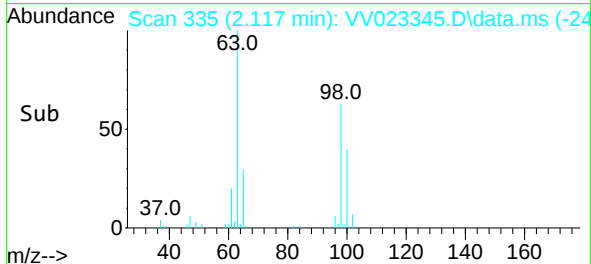
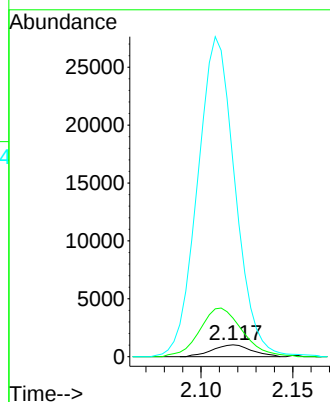
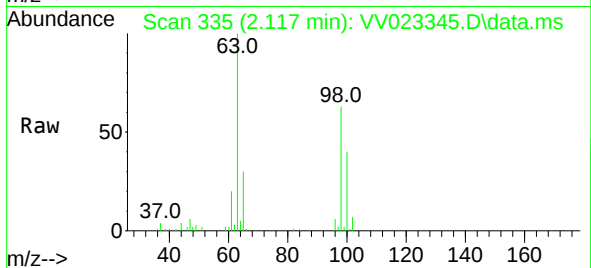
Ion	Ratio	Lower	Upper
96	100		
61	324.0	121.5	225.7
63	1626.4	99.6	185.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/11/2021

Supervised By :Mahesh Dadoda 11/11/2021



#13

Acetone

Concen: 5.324 ug/L

RT: 2.175 min Scan# 353

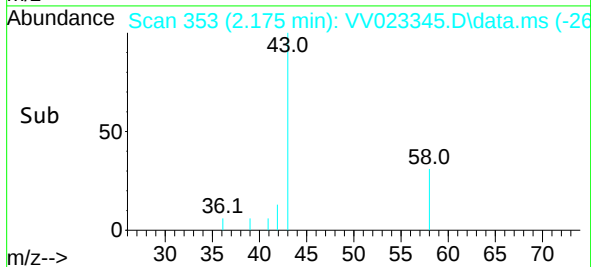
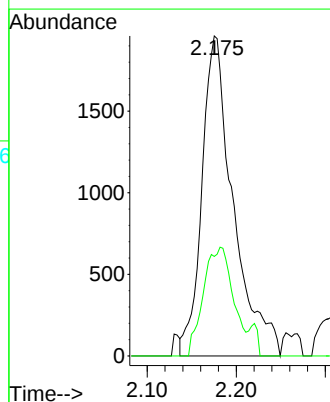
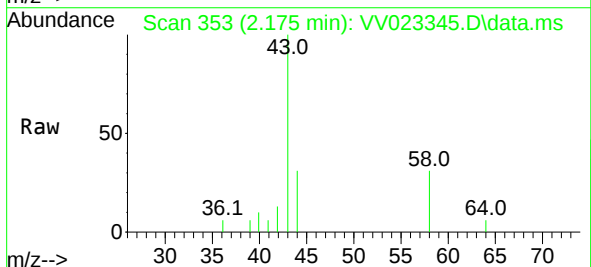
Delta R.T. -0.010 min

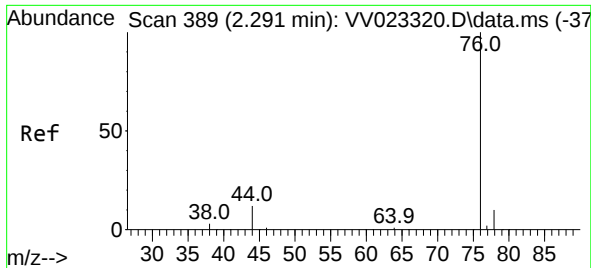
Lab File: VV023345.D

Acq: 10 Nov 2021 20:24

Tgt Ion: 43 Resp: 4789

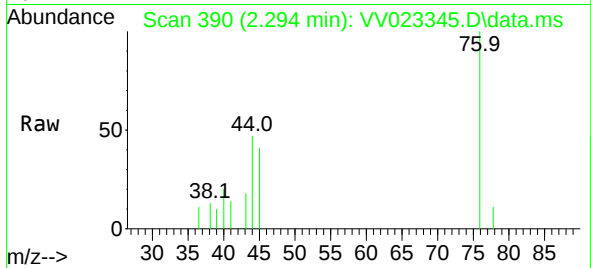
Ion	Ratio	Lower	Upper
43	100		
58	32.2	0.0	55.4





#14
Carbon disulfide
Concen: 0.052 ug/L
RT: 2.294 min Scan# 389
Delta R.T. 0.003 min
Lab File: VV023345.D
Acq: 10 Nov 2021 20:24

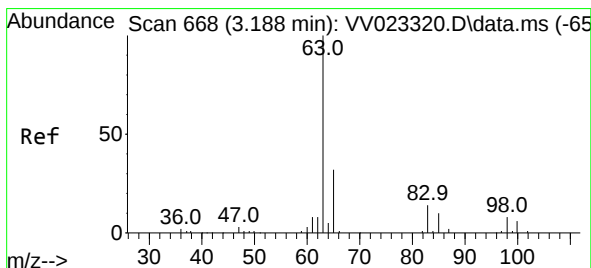
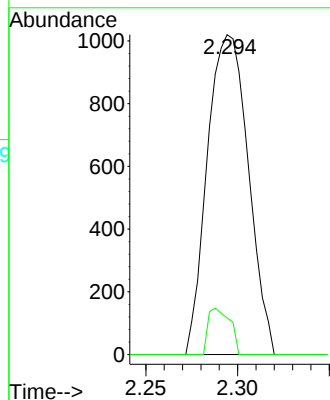
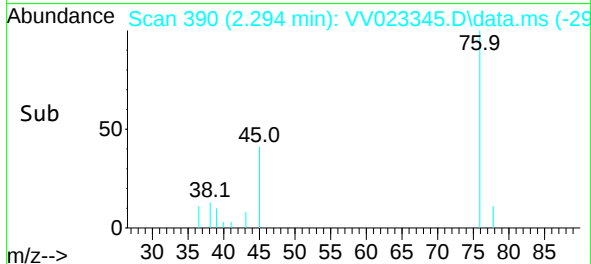
Instrument :
MSVOA_V
ClientSampleId :
BGGE7



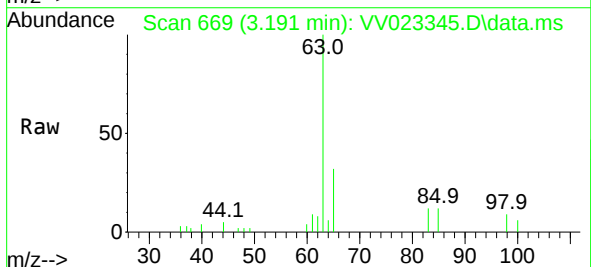
Tgt Ion: 76 Resp: 1585
Ion Ratio Lower Upper
76 100
78 11.5 7.2 10.8

Manual Integrations
APPROVED

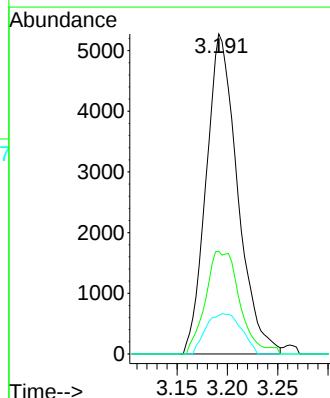
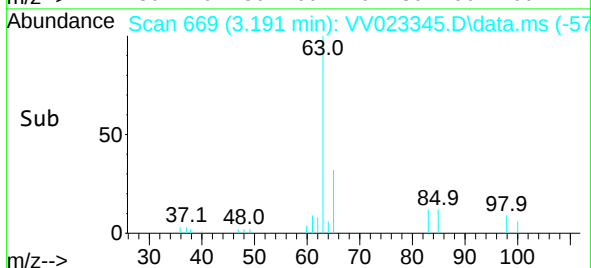
Reviewed By :John Carlone 11/11/2021
Supervised By :Mahesh Dadoda 11/11/2021

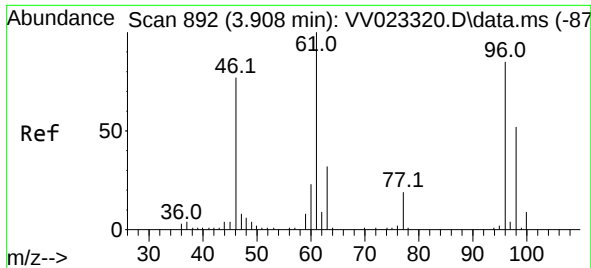


#19
1,1-Dichloroethane
Concen: 0.678 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.003 min
Lab File: VV023345.D
Acq: 10 Nov 2021 20:24



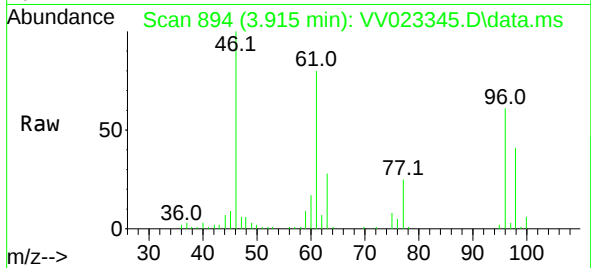
Tgt Ion: 63 Resp: 11446
Ion Ratio Lower Upper
63 100
65 32.1 22.6 42.0
83 12.0 11.1 20.7





#22
cis-1,2-Dichloroethene
Concen: 2.377 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.006 min
Lab File: VV023345.D
Acq: 10 Nov 2021 20:24

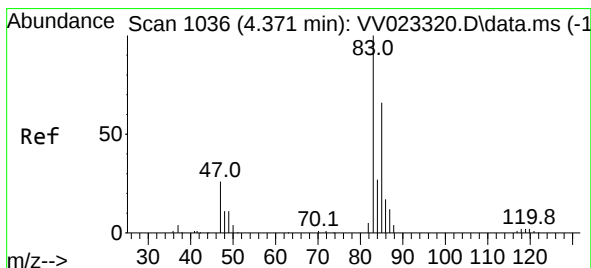
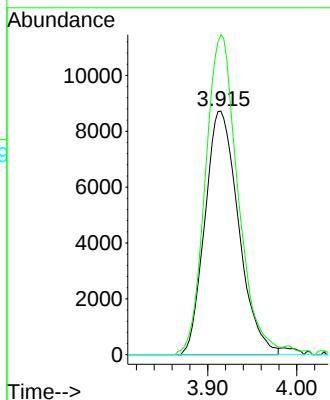
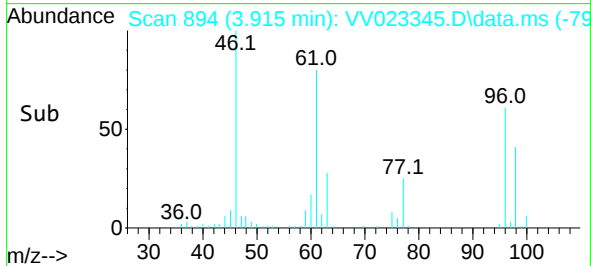
Instrument :
MSVOA_V
ClientSampleId :
BGGE7



Tgt Ion: 96 Resp: 22870
Ion Ratio Lower Upper
96 100
61 131.4 92.3 171.3
68 0.0 0.4 0.8

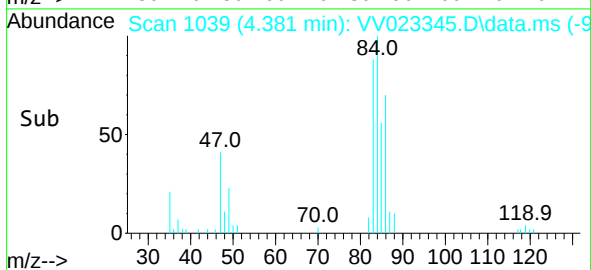
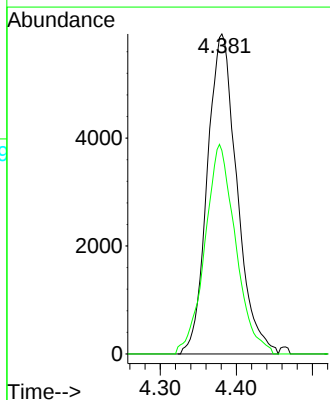
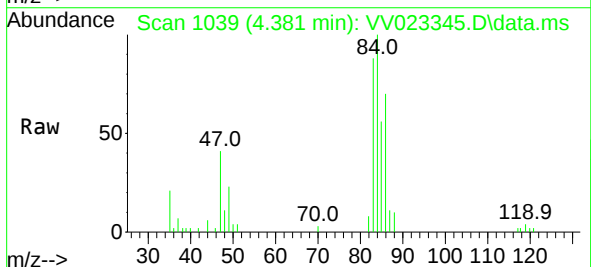
Manual Integrations
APPROVED

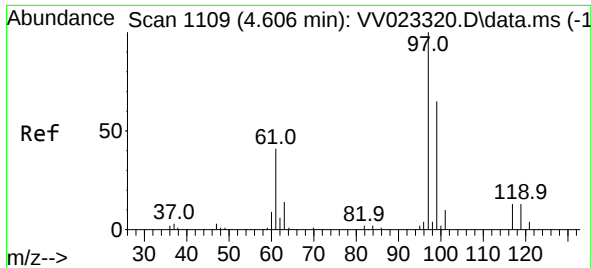
Reviewed By :John Carlone 11/11/2021
Supervised By :Mahesh Dadoda 11/11/2021



#25
Chloroform
Concen: 0.893 ug/L
RT: 4.381 min Scan# 1039
Delta R.T. 0.010 min
Lab File: VV023345.D
Acq: 10 Nov 2021 20:24

Tgt Ion: 83 Resp: 16078
Ion Ratio Lower Upper
83 100
85 63.6 46.8 86.8





#29

1,1,1-Trichloroethane

Concen: 1.134 ug/L

RT: 4.616 min Scan# 1109

Delta R.T. 0.010 min

Lab File: VV023345.D

Acq: 10 Nov 2021 20:24

Instrument :

MSVOA_V

ClientSampleId :

BGGE7

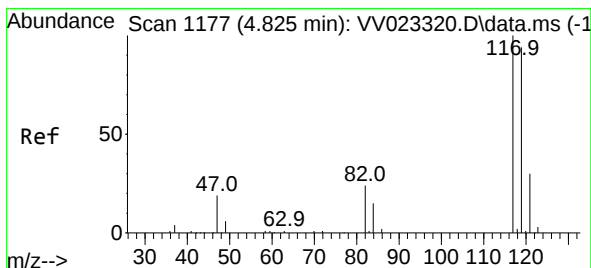
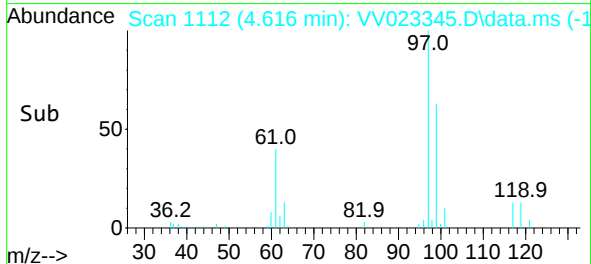
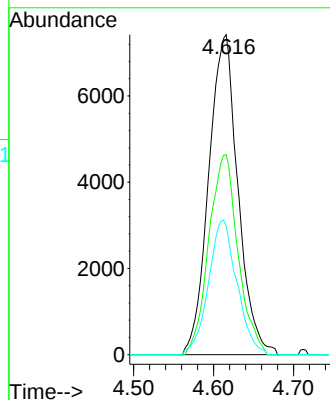
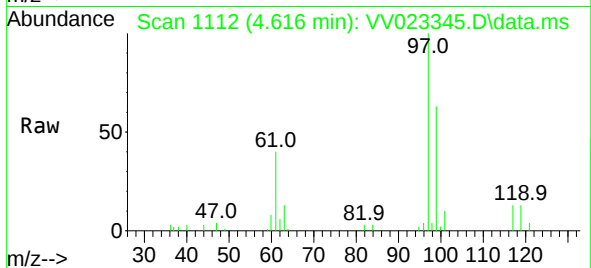
Tgt Ion: 97	Resp: 1885
Ion Ratio	Lower Upper
97	100
99	62.2 51.0 76.4
61	41.0 34.1 51.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/11/2021

Supervised By :Mahesh Dadoda 11/11/2021



#31

Carbon tetrachloride

Concen: 0.081 ug/L m

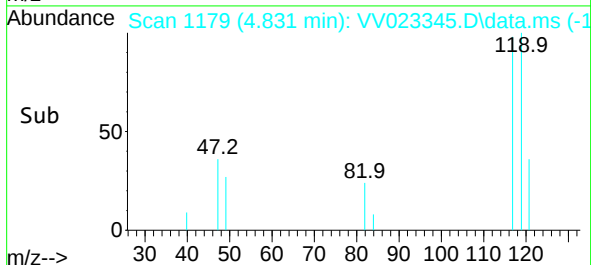
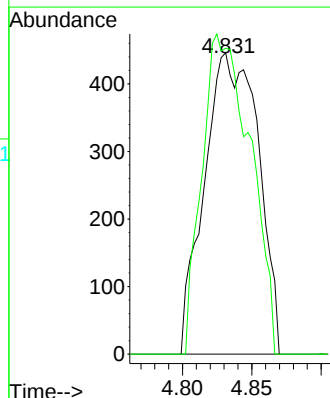
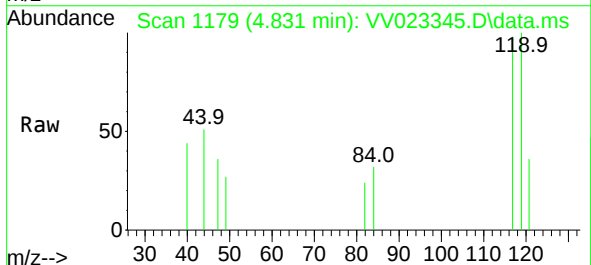
RT: 4.831 min Scan# 1179

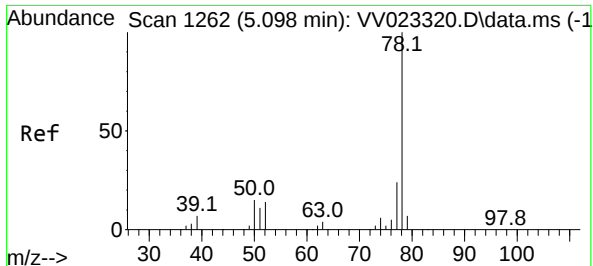
Delta R.T. 0.006 min

Lab File: VV023345.D

Acq: 10 Nov 2021 20:24

Tgt Ion: 117	Resp: 1205
Ion Ratio	Lower Upper
117	100
119	94.9 78.8 118.2





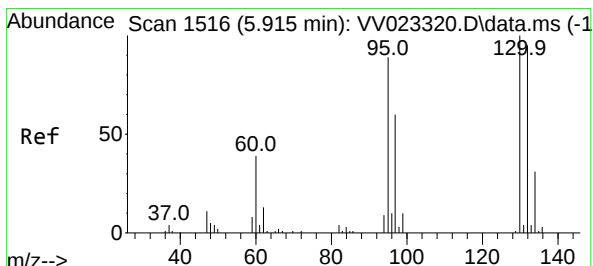
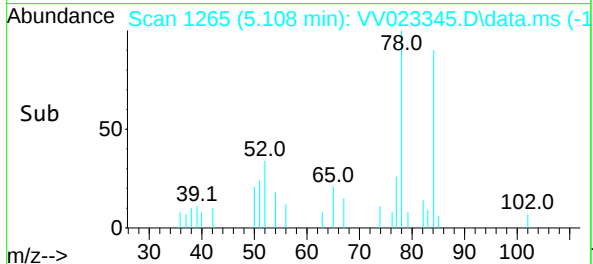
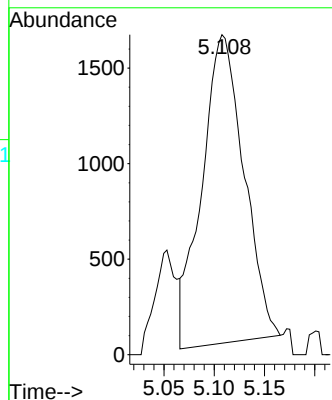
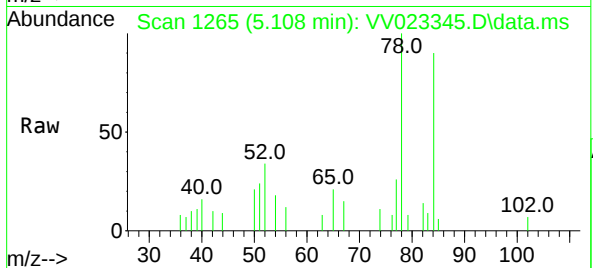
#33
Benzene
Concen: 0.122 ug/L
RT: 5.108 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV023345.D
Acq: 10 Nov 2021 20:24

Instrument :
MSVOA_V
ClientSampleId :
BGGE7

Tgt Ion: 78 Resp: 4680

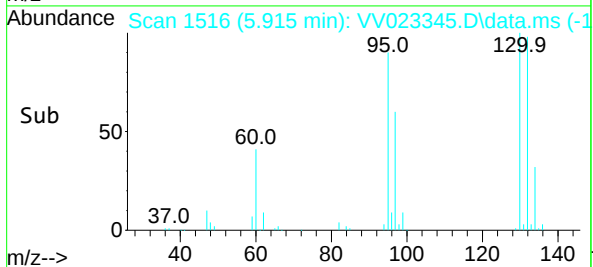
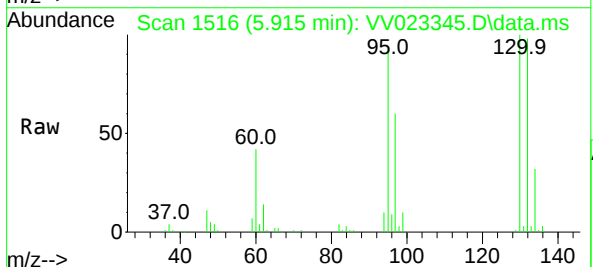
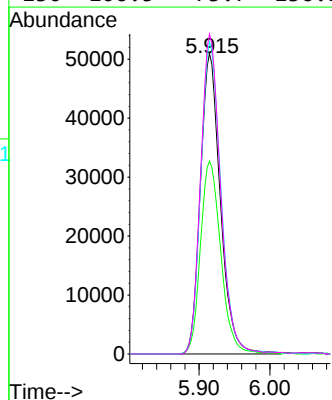
Manual Integrations
APPROVED

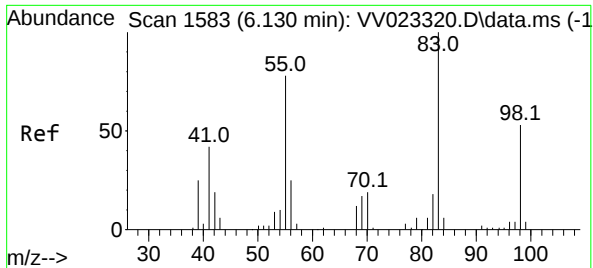
Reviewed By :John Carlone 11/11/2021
Supervised By :Mahesh Dadoda 11/11/2021



#34
Trichloroethene
Concen: 9.770 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VV023345.D
Acq: 10 Nov 2021 20:24

Tgt Ion: 95 Resp: 99414
Ion Ratio Lower Upper
95 100
97 64.2 45.0 83.6
132 103.9 69.7 129.4
130 106.5 73.7 136.9





#35

Methylcyclohexane

Concen: 0.266 ug/L

RT: 6.130 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV023345.D

Acq: 10 Nov 2021 20:24

Instrument :

MSVOA_V

ClientSampleId :

BGGE7

Tgt Ion: 83 Resp: 426

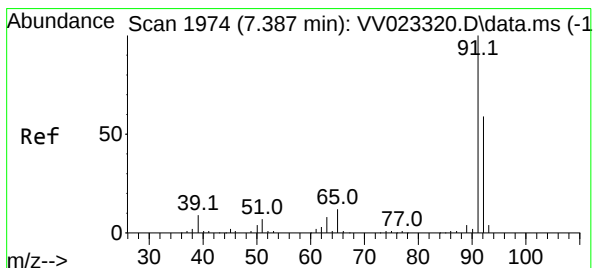
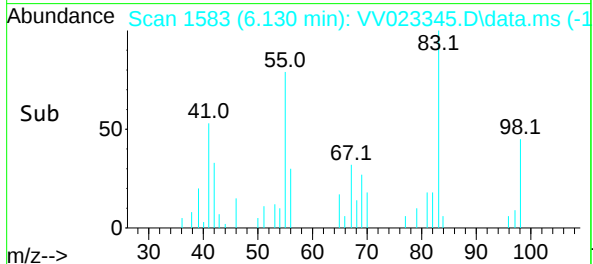
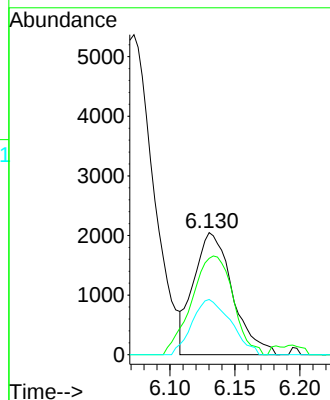
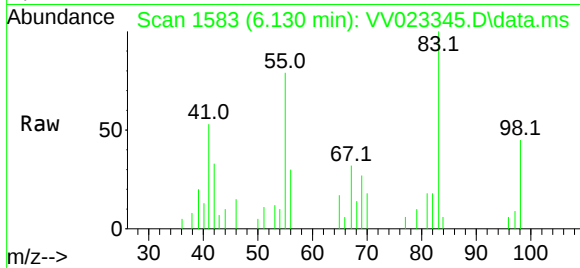
Ion	Ratio	Lower	Upper
83	100		
55	85.8	62.8	94.2
98	45.1	37.9	56.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/11/2021

Supervised By :Mahesh Dadoda 11/11/2021



#42

Toluene

Concen: 1.701 ug/L

RT: 7.391 min Scan# 1975

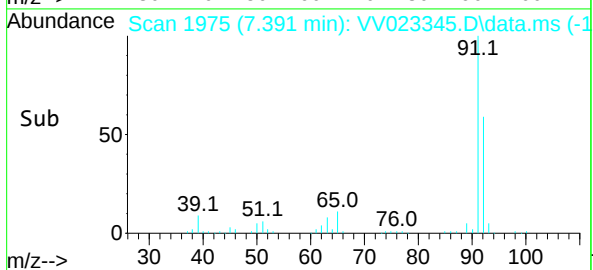
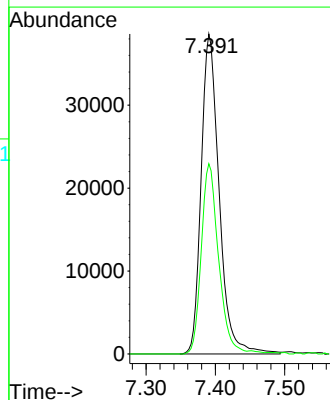
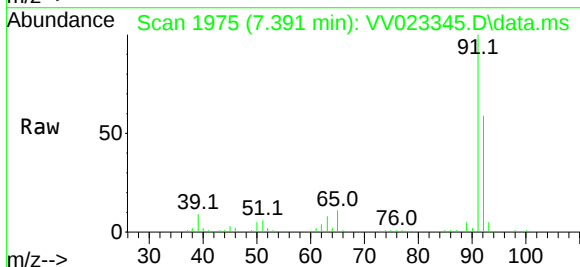
Delta R.T. 0.003 min

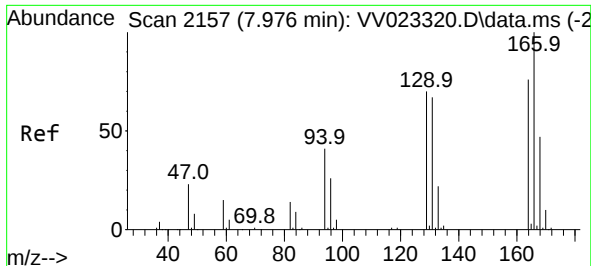
Lab File: VV023345.D

Acq: 10 Nov 2021 20:24

Tgt Ion: 91 Resp: 69614

Ion	Ratio	Lower	Upper
91	100		
92	59.4	39.3	72.9





#47

Tetrachloroethene

Concen: 0.393 ug/L

RT: 7.982 min Scan# 2157

Delta R.T. 0.006 min

Lab File: VV023345.D

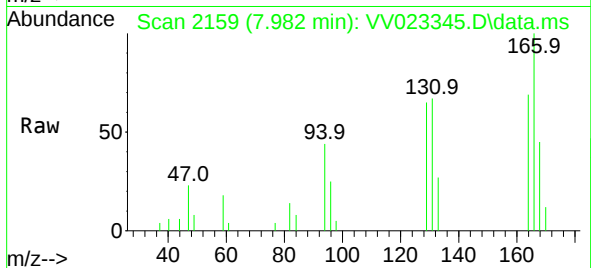
Acq: 10 Nov 2021 20:24

Instrument :

MSVOA_V

ClientSampleId :

BGGE7



Tgt Ion:164 Resp: 3460

Ion Ratio Lower Upper

164 100

129 94.6 64.0 119.0

131 96.4 63.4 117.8

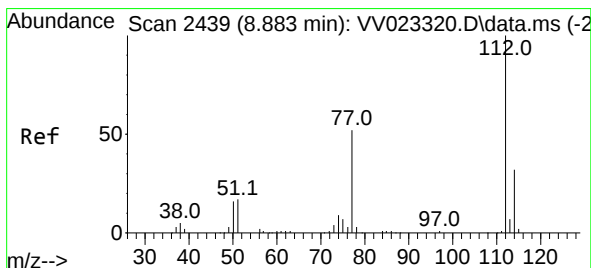
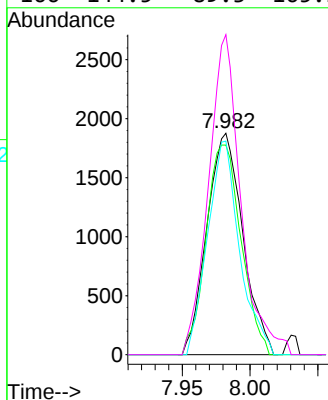
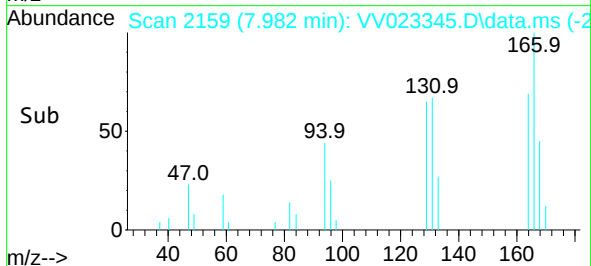
166 144.5 89.3 165.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/11/2021

Supervised By :Mahesh Dadoda 11/11/2021



#51

Chlorobenzene

Concen: 7.162 ug/L

RT: 8.882 min Scan# 2439

Delta R.T. -0.000 min

Lab File: VV023345.D

Acq: 10 Nov 2021 20:24

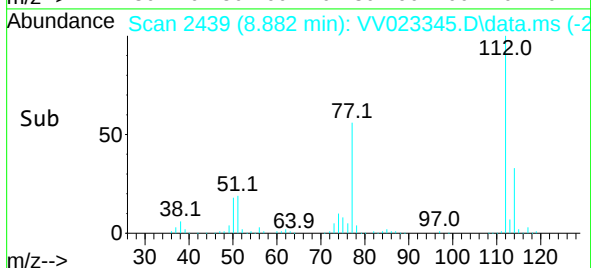
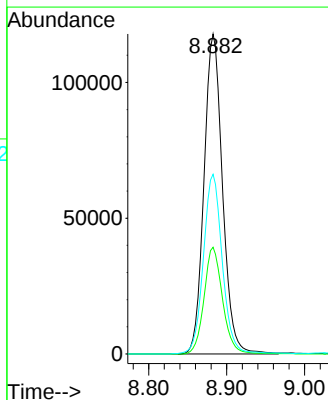
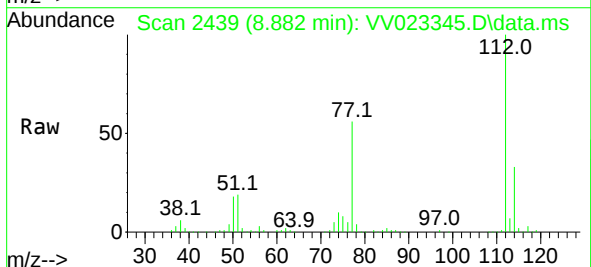
Tgt Ion:112 Resp: 194811

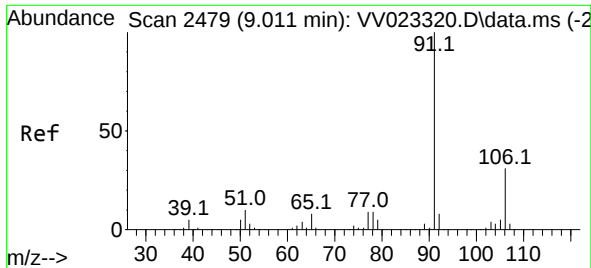
Ion Ratio Lower Upper

112 100

114 33.3 22.0 40.8

77 56.2 44.4 66.6





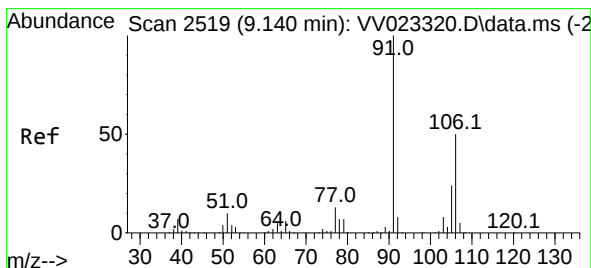
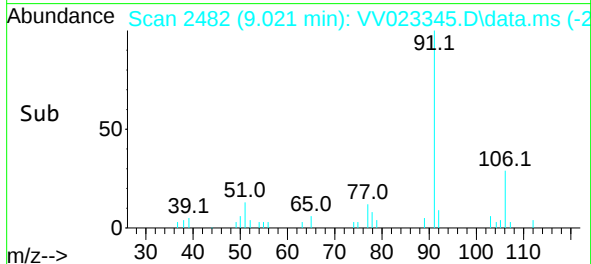
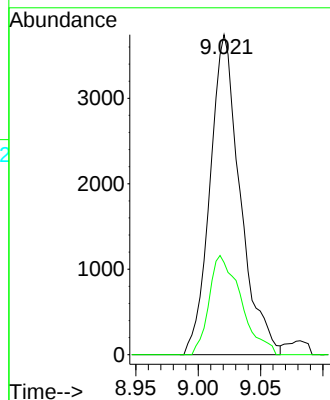
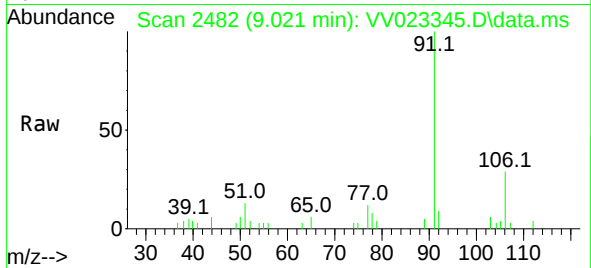
#52
Ethylbenzene
Concen: 0.146 ug/L
RT: 9.021 min Scan# 2479
Delta R.T. 0.010 min
Lab File: VV023345.D
Acq: 10 Nov 2021 20:24

Instrument :
MSVOA_V
ClientSampleId :
BGGE7

Tgt Ion: 91 Resp: 630
Ion Ratio Lower Upper
91 100
106 28.8 22.5 41.9

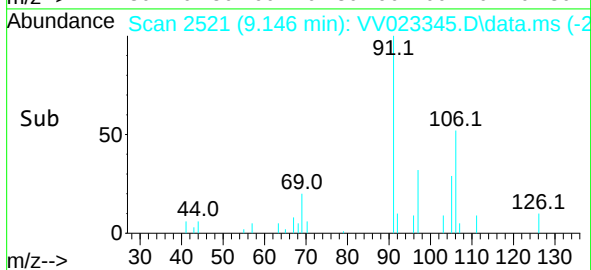
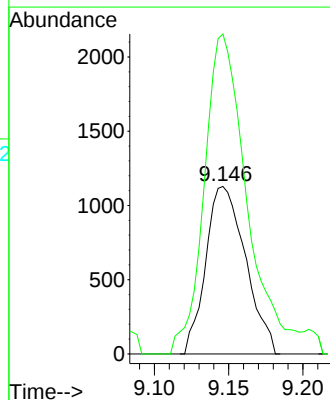
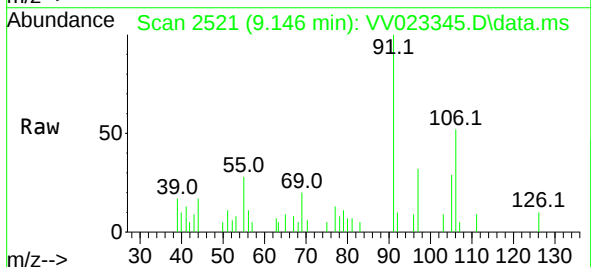
Manual Integrations
APPROVED

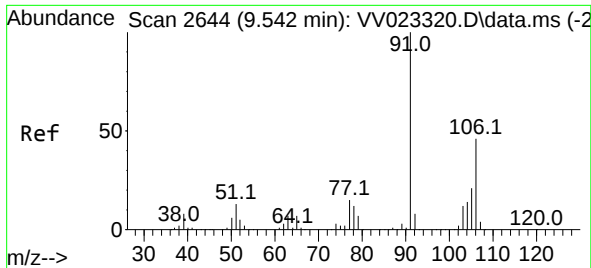
Reviewed By :John Carlone 11/11/2021
Supervised By :Mahesh Dadoda 11/11/2021



#53
m,p-xylene
Concen: 0.124 ug/L
RT: 9.146 min Scan# 2521
Delta R.T. 0.006 min
Lab File: VV023345.D
Acq: 10 Nov 2021 20:24

Tgt Ion:106 Resp: 2100
Ion Ratio Lower Upper
106 100
91 191.0 137.2 254.8





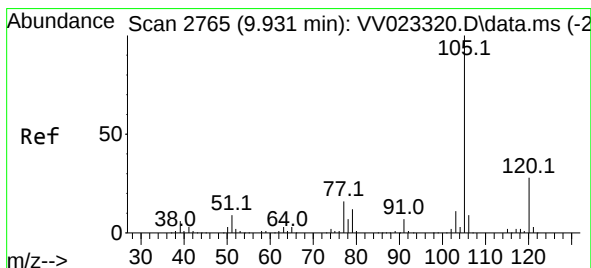
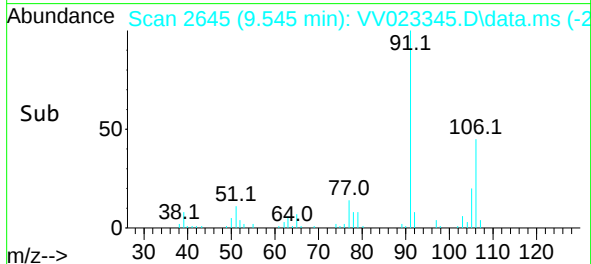
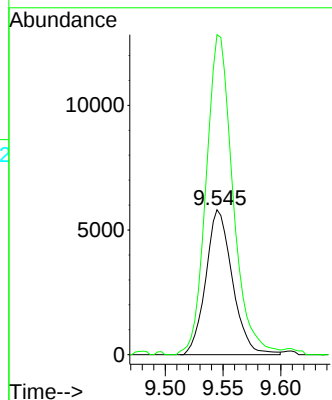
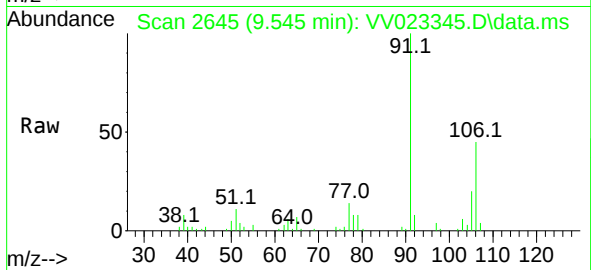
#54
o-xylene
Concen: 0.586 ug/L
RT: 9.545 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV023345.D
Acq: 10 Nov 2021 20:24

Instrument :
MSVOA_V
ClientSampleId :
BGGE7

Tgt Ion:106 Resp: 930
Ion Ratio Lower Upper
106 100
91 220.8 148.3 275.5

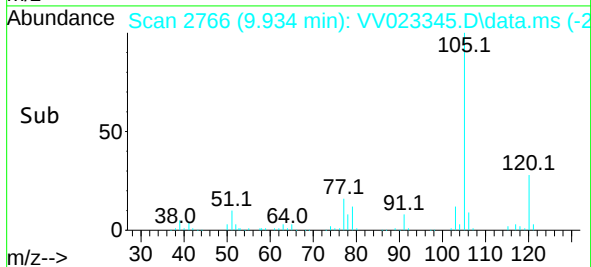
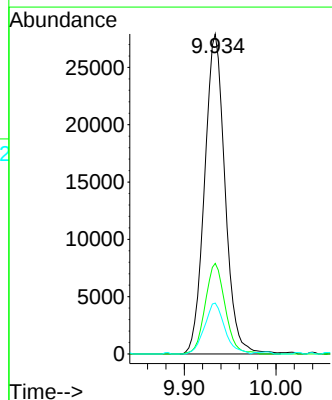
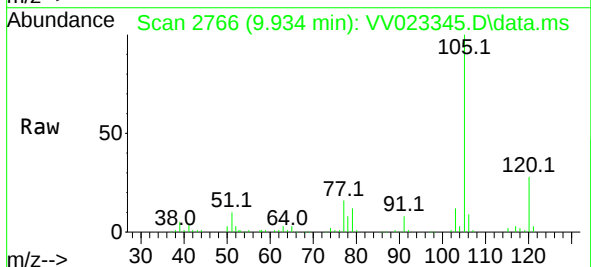
Manual Integrations
APPROVED

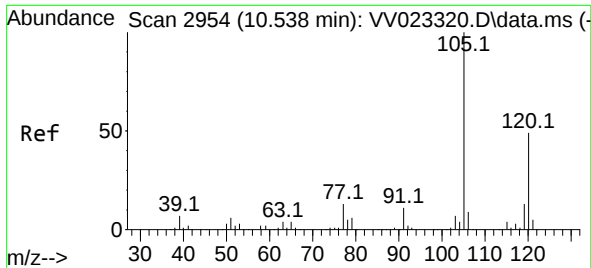
Reviewed By :John Carlone 11/11/2021
Supervised By :Mahesh Dadoda 11/11/2021



#60
Isopropylbenzene
Concen: 0.981 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VV023345.D
Acq: 10 Nov 2021 20:24

Tgt Ion:105 Resp: 43171
Ion Ratio Lower Upper
105 100
120 27.7 21.7 32.5
77 15.8 12.6 19.0





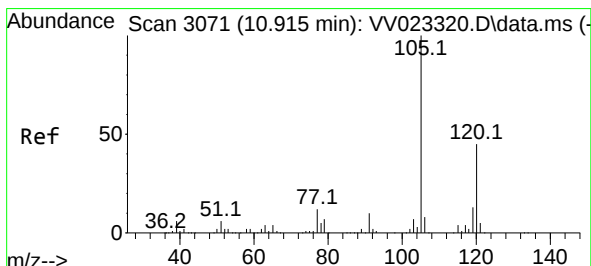
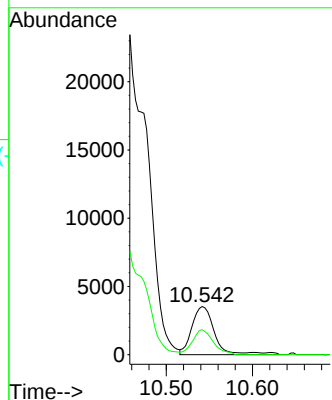
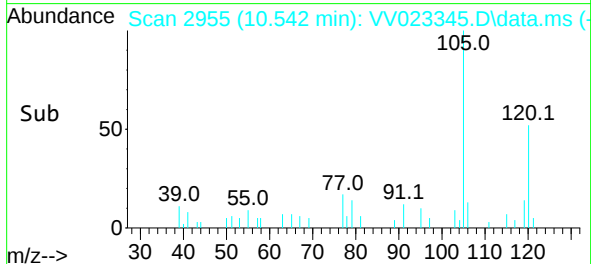
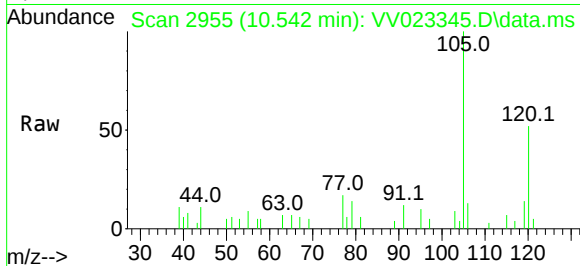
#62
1,3,5-Trimethylbenzene
Concen: 0.177 ug/L m
RT: 10.542 min Scan# 2954
Delta R.T. 0.003 min
Lab File: VV023345.D
Acq: 10 Nov 2021 20:24

Instrument :
MSVOA_V
ClientSampleId :
BGGE7

Tgt Ion:105 Resp: 6449
Ion Ratio Lower Upper
105 100
120 4783.1 39.7 59.5

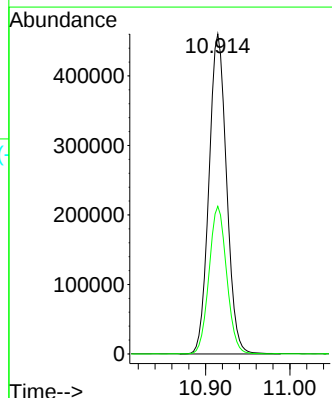
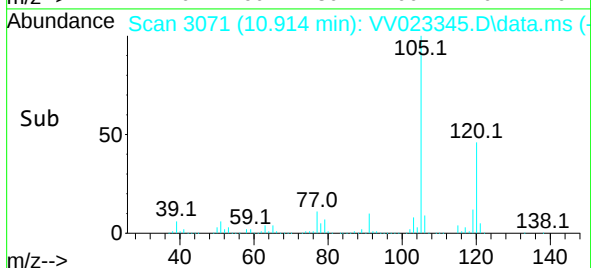
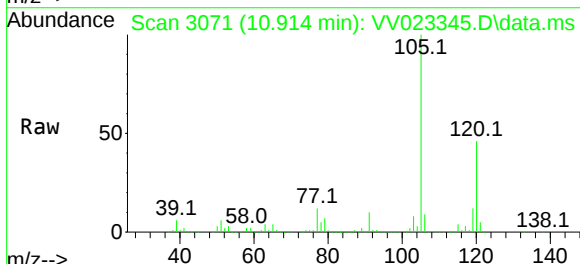
Manual Integrations
APPROVED

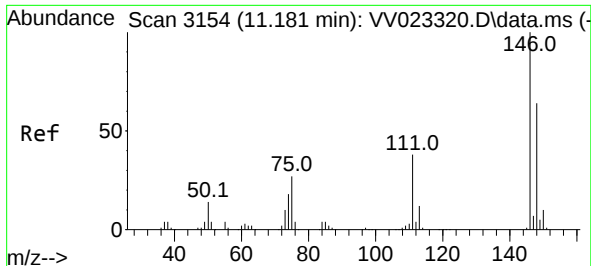
Reviewed By :John Carlone 11/11/2021
Supervised By :Mahesh Dadoda 11/11/2021



#63
1,2,4-Trimethylbenzene
Concen: 18.401 ug/L
RT: 10.914 min Scan# 3071
Delta R.T. -0.000 min
Lab File: VV023345.D
Acq: 10 Nov 2021 20:24

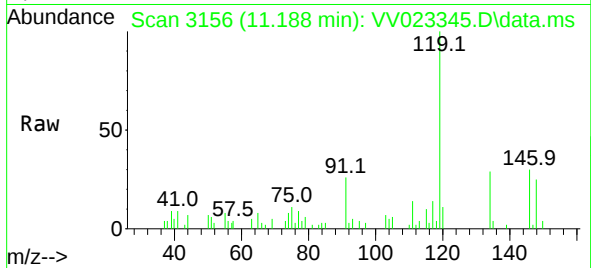
Tgt Ion:105 Resp: 668014
Ion Ratio Lower Upper
105 100
120 46.2 37.4 56.2





#64
1,3-Dichlorobenzene
Concen: 0.115 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.006 min
Lab File: VV023345.D
Acq: 10 Nov 2021 20:24

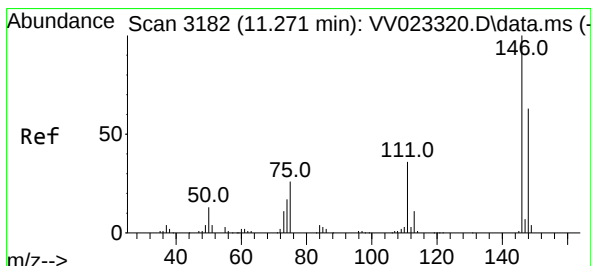
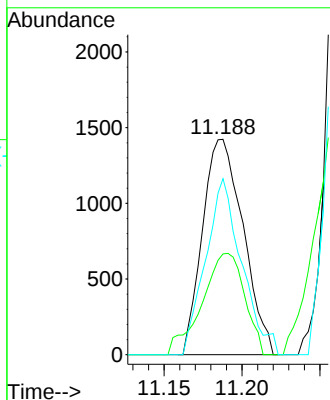
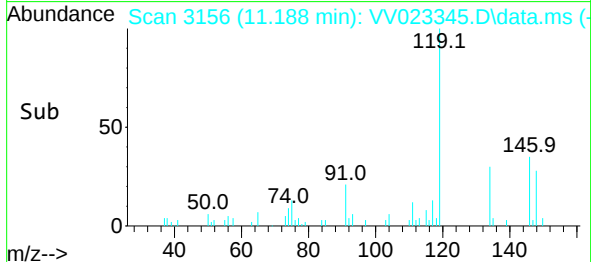
Instrument :
MSVOA_V
ClientSampleId :
BGGE7



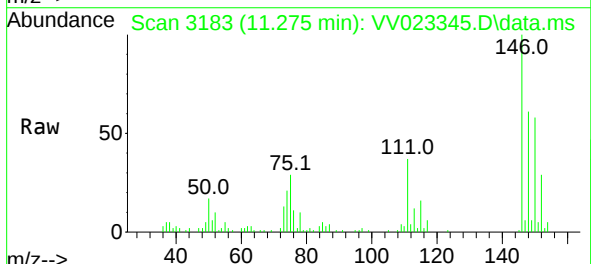
Tgt Ion:146 Resp: 2570
Ion Ratio Lower Upper
146 100
111 46.8 26.7 49.7
148 81.7 42.9 79.7

Manual Integrations
APPROVED

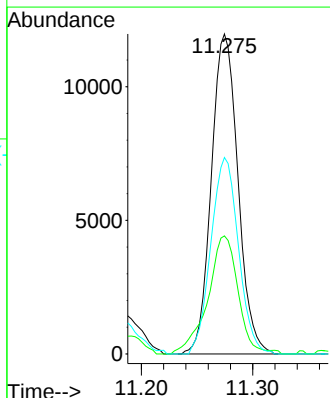
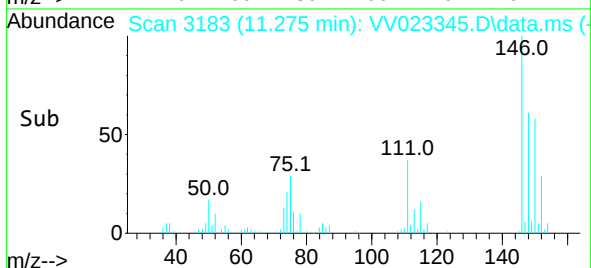
Reviewed By :John Carlone 11/11/2021
Supervised By :Mahesh Dadoda 11/11/2021

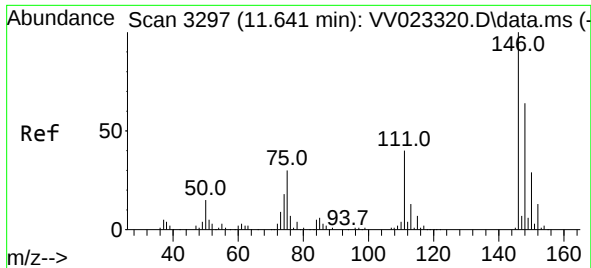


#65
1,4-Dichlorobenzene
Concen: 0.867 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.003 min
Lab File: VV023345.D
Acq: 10 Nov 2021 20:24



Tgt Ion:146 Resp: 19892
Ion Ratio Lower Upper
146 100
111 36.9 26.2 48.8
148 61.4 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 0.742 ug/L

RT: 11.644 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV023345.D

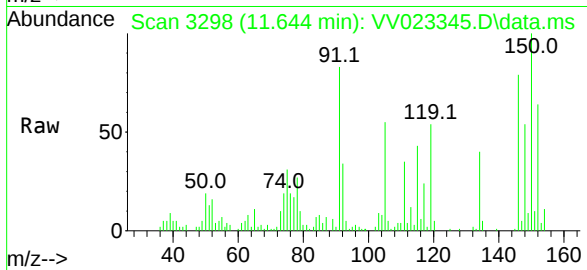
Acq: 10 Nov 2021 20:24

Instrument :

MSVOA_V

ClientSampleId :

BGGE7



Tgt Ion:146 Resp: 14924

Ion Ratio Lower Upper

146 100

111 44.4 31.6 47.4

148 68.2 51.0 76.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/11/2021

Supervised By :Mahesh Dadoda 11/11/2021

