

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
 Data File : VU053545.D
 Acq On : 04 Apr 2023 01:55
 Operator : JC/MD
 Sample : 02158-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-2(20230330)

Quant Time: Apr 04 06:58:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/04/2023
 Supervised By :Mahesh Dadoda 04/04/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	255710	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	240206	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	123100	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	87495	43.943	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.880%		
7) Chloroethane-d5	1.909	69	75661	49.284	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.560%		
11) 1,1-Dichloroethene-d2	2.575	63	289866	94.046	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	188.100%#		
21) 2-Butanone-d5	4.613	46	105397	116.914	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	116.910%		
24) Chloroform-d	5.057	84	156326	47.473	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.940%		
26) 1,2-Dichloroethane-d4	5.694	65	101887	52.362	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.720%		
32) Benzene-d6	5.722	84	317510	48.970	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.940%		
36) 1,2-Dichloropropane-d6	6.687	67	100366	50.644	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	101.280%		
41) Toluene-d8	7.893	98	301547	46.793	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.580%		
43) trans-1,3-Dichloroprop...	8.173	79	48769	47.673	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.340%		
47) 2-Hexanone-d5	8.626	63	82298	121.677	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	121.680%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	147901	52.949	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	105.900%		
66) 1,2-Dichlorobenzene-d4	12.188	152	122742	47.768	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.540%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	56657	28.666	ug/L	97
8) Chloroethane	1.928	64	1684	1.417	ug/L #	82
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	21745	12.351	ug/L	91
12) 1,1-Dichloroethene	2.578	96	373021m	237.736	ug/L	
17) trans-1,2-Dichloroethene	3.350	96	14884	9.439	ug/L	99
19) 1,1-Dichloroethane	3.864	63	5140458	1967.917	ug/L	98
20) cis-1,2-Dichloroethene	4.661	96	558842	306.821	ug/L	92
27) 1,2-Dichloroethane	5.790	62	52288	23.831	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	36102	13.640	ug/L	99
33) Benzene	5.771	78	58949	9.419	ug/L	100
34) Trichloroethene	6.536	95	920611	486.358	ug/L	95
44) trans-1,3-Dichloropropene	8.176	75	2172	0.885	ug/L #	77
46) Tetrachloroethene	8.549	164	1851	1.178	ug/L	92
51) Chlorobenzene	9.443	112	39536	8.091	ug/L	95
64) 1,3-Dichlorobenzene	11.742	146	21840	5.743	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	68887	17.773	ug/L	97
70) 1,2,4-trichlorobenzene	13.838	180	30023	11.499	ug/L	98

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Instrument :
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PMW-2(20230330)

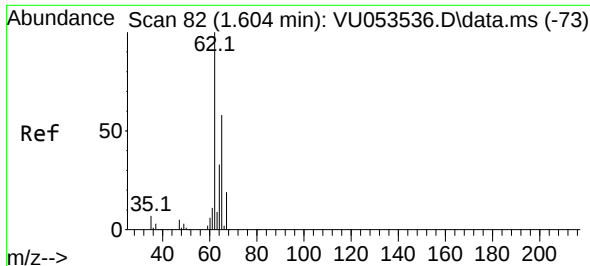
Manual Integrations
APPROVED

Reviewed By :Krupa Patel 04/04/2023
Supervised By :Mahesh Dadoda 04/04/2023

Quant Time: Apr 04 06:58:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
Quant Title : VOC Analysis
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Response via : Initial Calibration

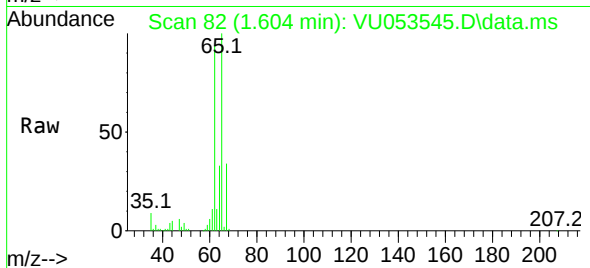
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#5
 Vinyl chloride
 Concen: 28.666 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU053545.D
 Acq: 04 Apr 2023 01:55

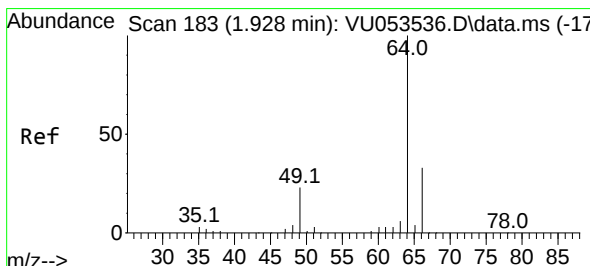
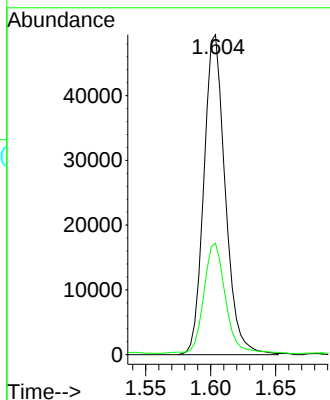
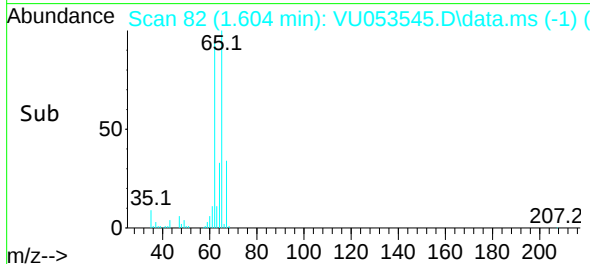
Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-2(20230330)



Tgt Ion: 62 Resp: 5665
 Ion Ratio Lower Upper
 62 100
 64 34.8 23.2 43.0

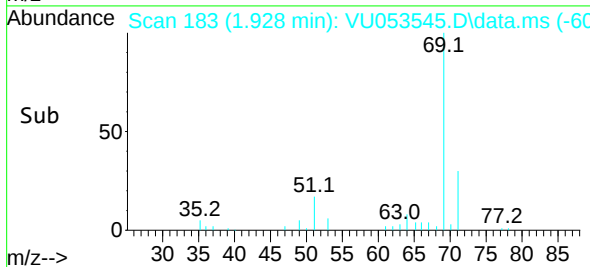
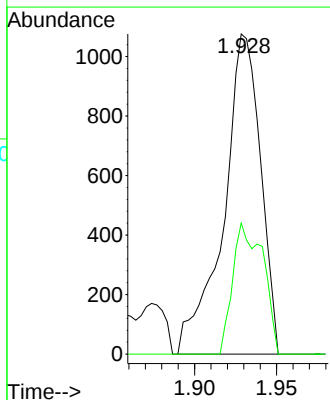
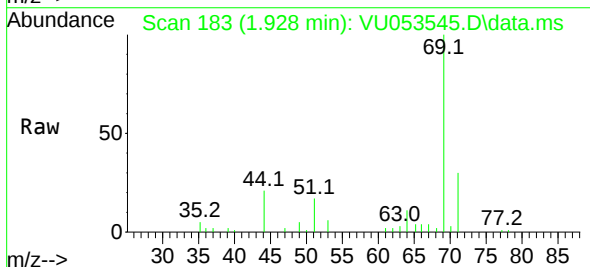
Manual Integrations
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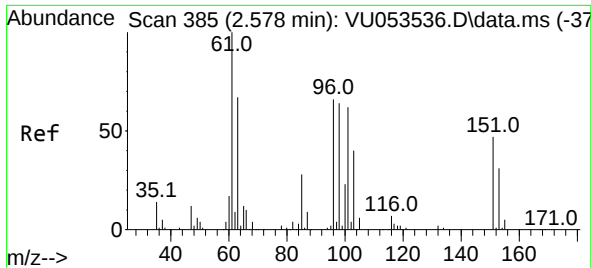
Reviewed By :Krupa Patel 04/04/2023
 Supervised By :Mahesh Dadoda 04/04/2023



#8
 Chloroethane
 Concen: 1.417 ug/L
 RT: 1.928 min Scan# 183
 Delta R.T. -0.003 min
 Lab File: VU053545.D
 Acq: 04 Apr 2023 01:55

Tgt Ion: 64 Resp: 1684
 Ion Ratio Lower Upper
 64 100
 66 40.9 21.8 40.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 12.351 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU053545.D

Acq: 04 Apr 2023 01:55

Instrument :

MSVOA_U

ClientSampleId :

PMW-2(20230330)

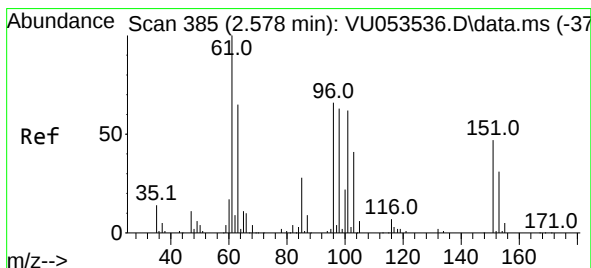
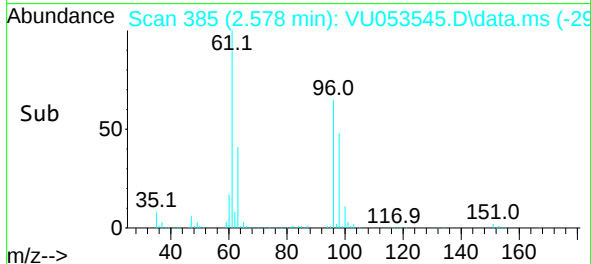
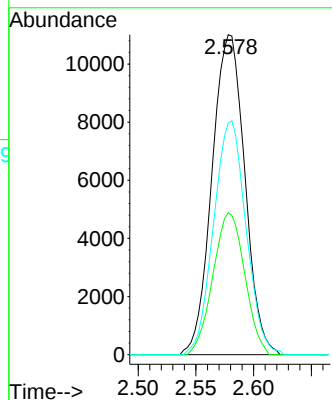
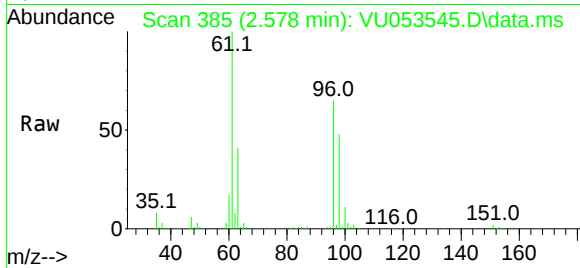
Tgt Ion:	101	Resp:	2174
Ion Ratio	Lower	Upper	
101	100		
85	42.9	32.6	48.8
151	72.3	65.8	98.6

Manual Integrations

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Reviewed By :Krupa Patel 04/04/2023

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#12

1,1-Dichloroethene

Concen: 237.736 ug/L m

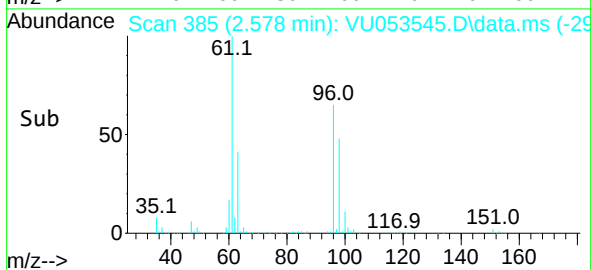
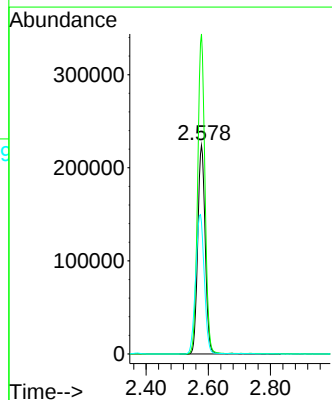
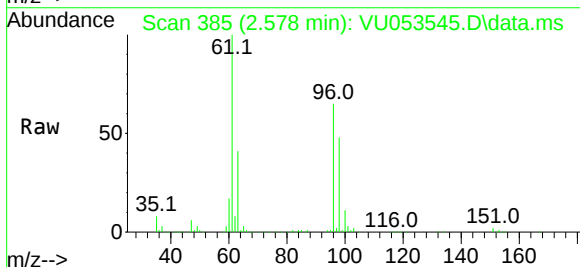
RT: 2.578 min Scan# 385

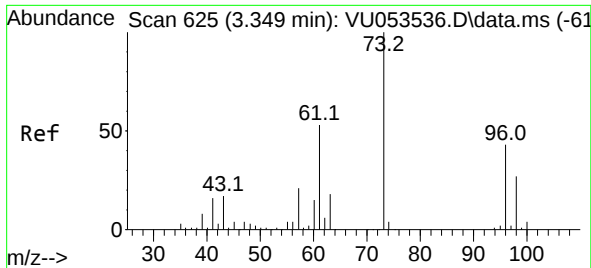
Delta R.T. 0.000 min

Lab File: VU053545.D

Acq: 04 Apr 2023 01:55

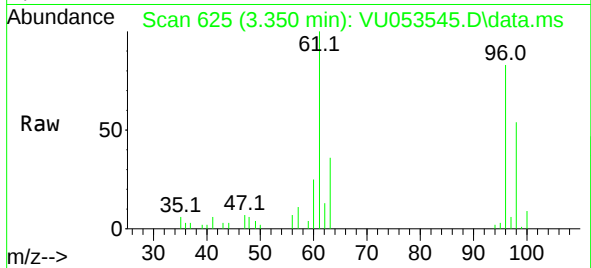
Tgt Ion:	96	Resp:	373021
Ion Ratio	Lower	Upper	
96	100		
61	153.3	107.9	200.5
63	63.1	79.1	146.9





#17
trans-1,2-Dichloroethene
Concen: 9.439 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU053545.D
Acq: 04 Apr 2023 01:55

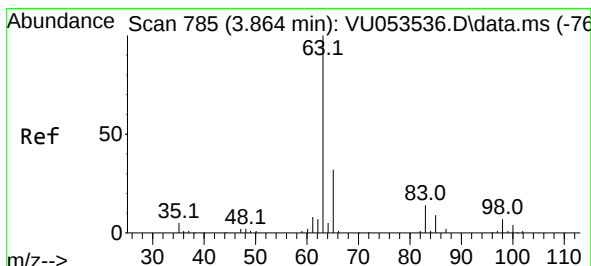
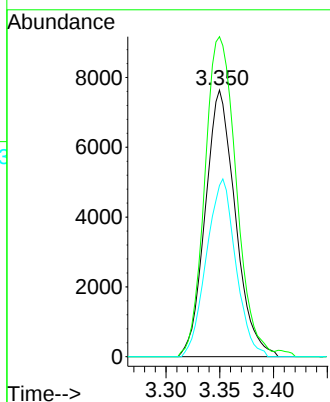
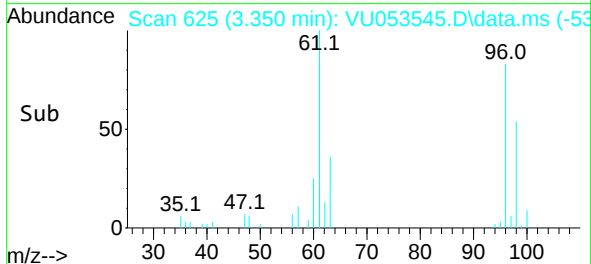
Instrument :
MSVOA_U
ClientSampleId :
PMW-2(20230330)



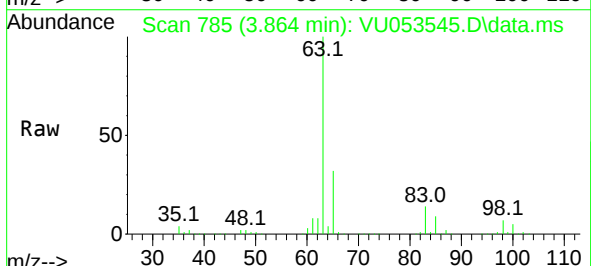
Tgt Ion: 96 Resp: 14884
Ion Ratio Lower Upper
96 100
61 120.0 84.4 156.8
98 64.2 46.0 85.4

Manual Integrations
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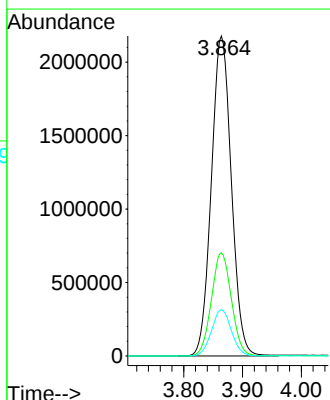
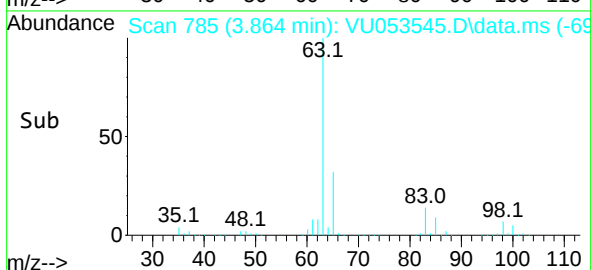
Reviewed By :Krupa Patel 04/04/2023
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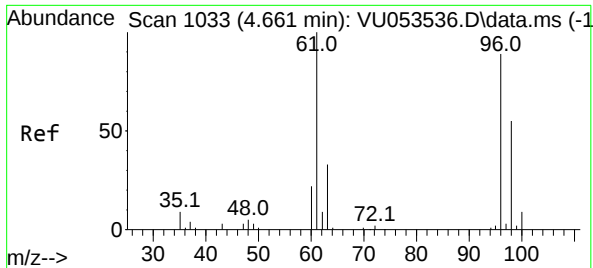


#19
1,1-Dichloroethane
Concen: 1967.917 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU053545.D
Acq: 04 Apr 2023 01:55



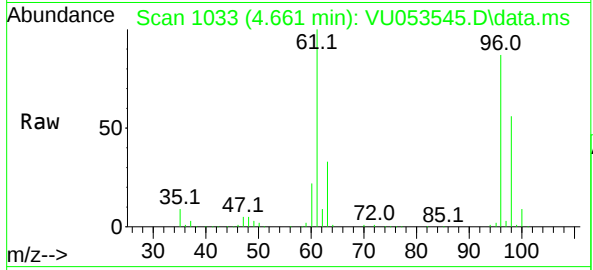
Tgt Ion: 63 Resp: 5140458
Ion Ratio Lower Upper
63 100
65 32.3 22.0 41.0
83 14.4 10.8 20.0





#20
cis-1,2-Dichloroethene
Concen: 306.821 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU053545.D
Acq: 04 Apr 2023 01:55

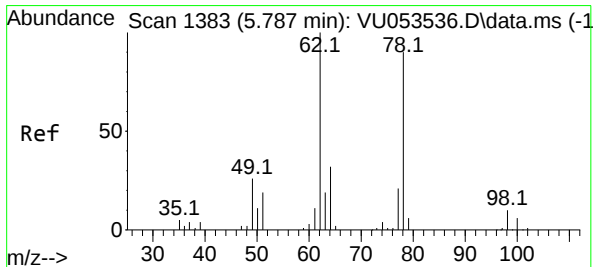
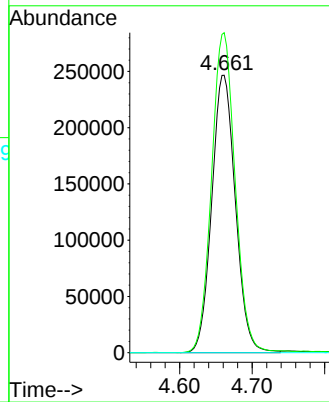
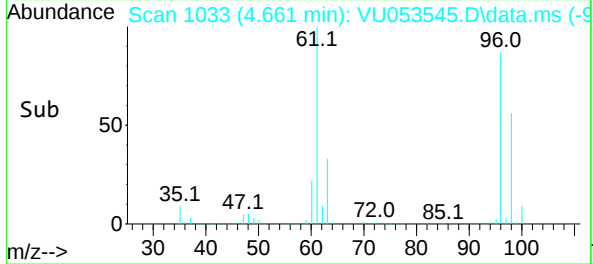
Instrument :
MSVOA_U
ClientSampleId :
PMW-2(20230330)



Tgt Ion: 96 Resp: 55884
Ion Ratio Lower Upper
96 100
61 115.4 74.7 138.7
68 0.0 0.0 0.0

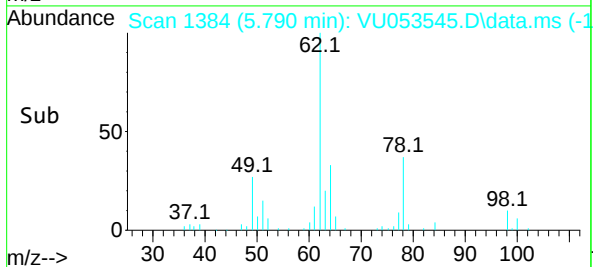
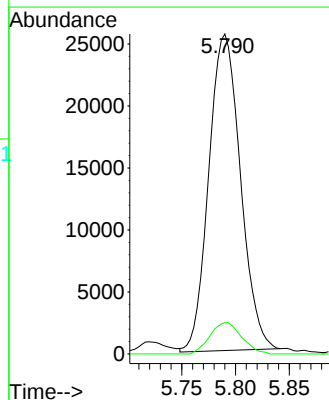
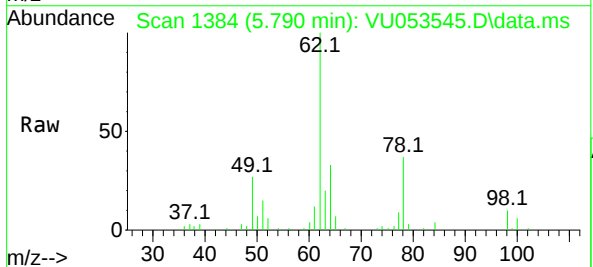
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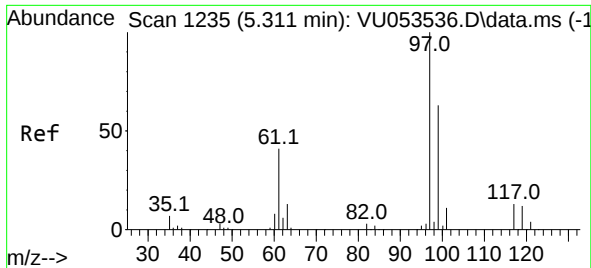
Reviewed By :Krupa Patel 04/04/2023
Supervised By :Mahesh Dadoda 04/04/2023



#27
1,2-Dichloroethane
Concen: 23.831 ug/L
RT: 5.790 min Scan# 1384
Delta R.T. 0.003 min
Lab File: VU053545.D
Acq: 04 Apr 2023 01:55

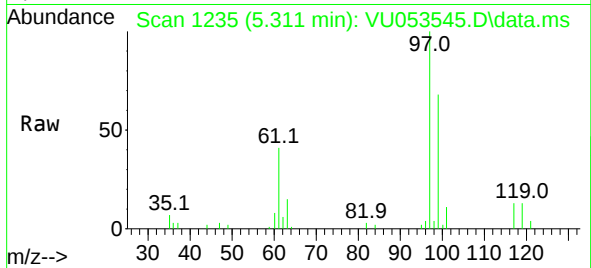
Tgt Ion: 62 Resp: 52288
Ion Ratio Lower Upper
62 100
98 9.8 8.3 12.5





#30
1,1,1-Trichloroethane
Concen: 13.640 ug/L
RT: 5.311 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053545.D
Acq: 04 Apr 2023 01:55

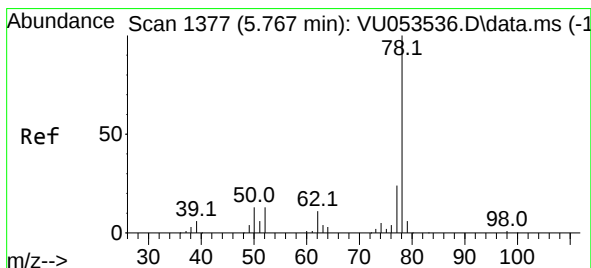
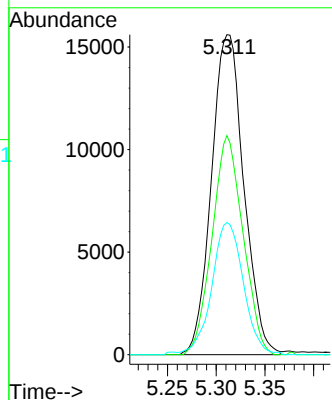
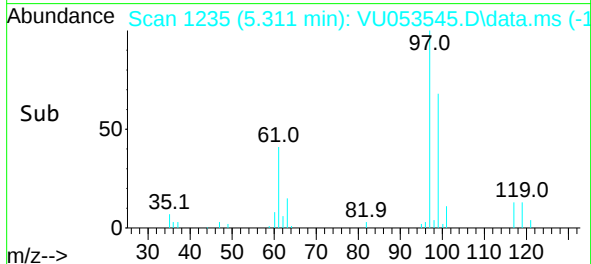
Instrument :
MSVOA_U
ClientSampleId :
PMW-2(20230330)



Tgt Ion: 97 Resp: 3610
Ion Ratio Lower Upper
97 100
99 65.3 51.6 77.4
61 40.1 31.0 46.4

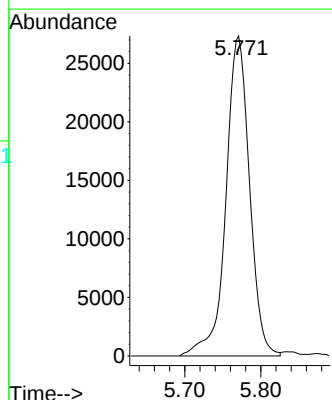
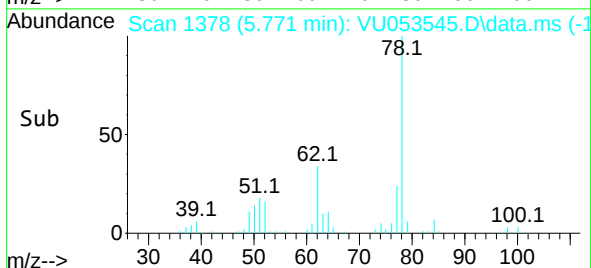
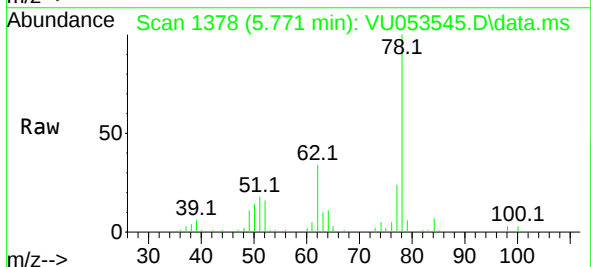
Manual Integrations
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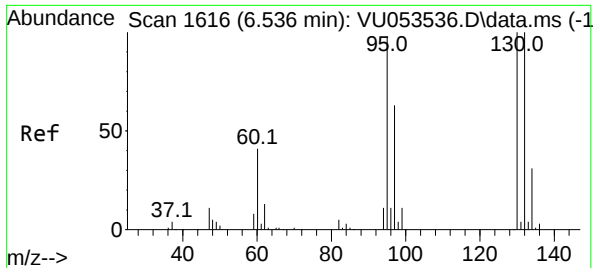
Reviewed By :Krupa Patel 04/04/2023
Supervised By :Mahesh Dadoda 04/04/2023



#33
Benzene
Concen: 9.419 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU053545.D
Acq: 04 Apr 2023 01:55

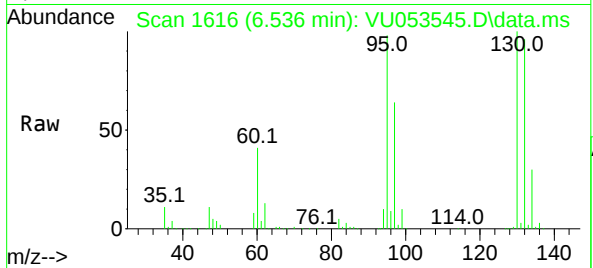
Tgt Ion: 78 Resp: 58949





#34
Trichloroethene
Concen: 486.358 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. 0.000 min
Lab File: VU053545.D
Acq: 04 Apr 2023 01:55

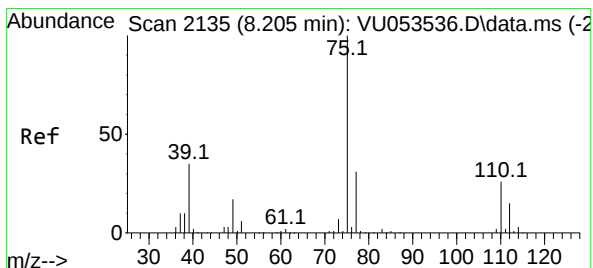
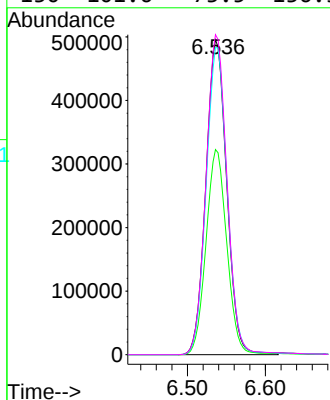
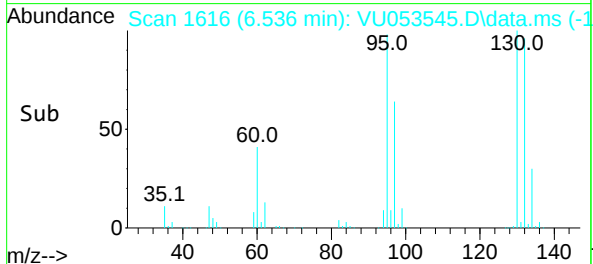
Instrument :
MSVOA_U
ClientSampleId :
PMW-2(20230330)



Tgt Ion: 95 Resp: 92061
Ion Ratio Lower Upper
95 100
97 65.2 45.1 83.7
132 97.6 74.1 137.5
130 101.6 73.5 136.5

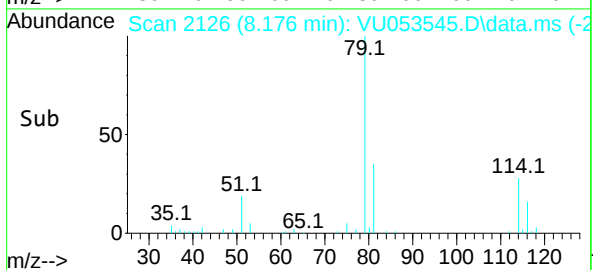
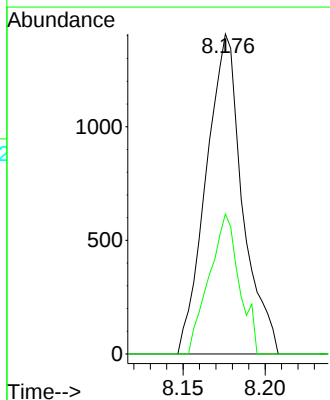
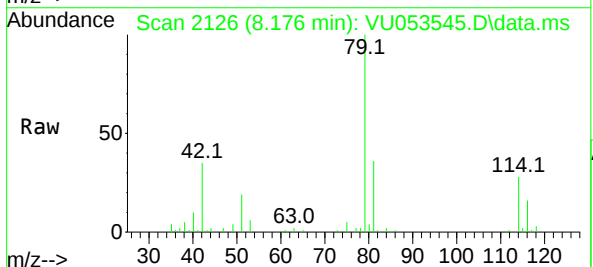
Manual Integrations
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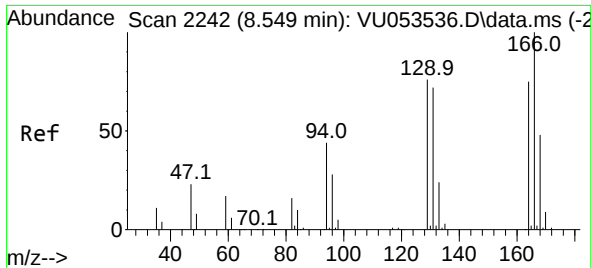
Reviewed By :Krupa Patel 04/04/2023
Supervised By :Mahesh Dadoda 04/04/2023



#44
trans-1,3-Dichloropropene
Concen: 0.885 ug/L
RT: 8.176 min Scan# 2126
Delta R.T. -0.029 min
Lab File: VU053545.D
Acq: 04 Apr 2023 01:55

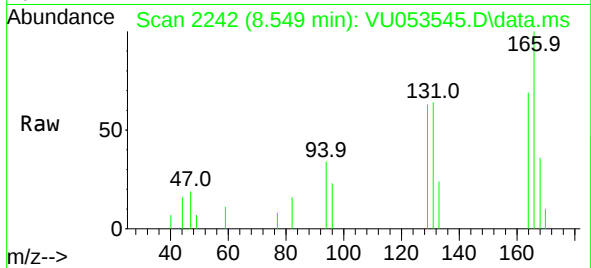
Tgt Ion: 75 Resp: 2172
Ion Ratio Lower Upper
75 100
77 43.8 21.8 40.4#





#46
Tetrachloroethene
Concen: 1.178 ug/L
RT: 8.549 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053545.D
Acq: 04 Apr 2023 01:55

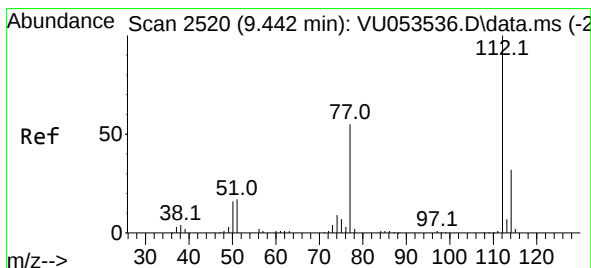
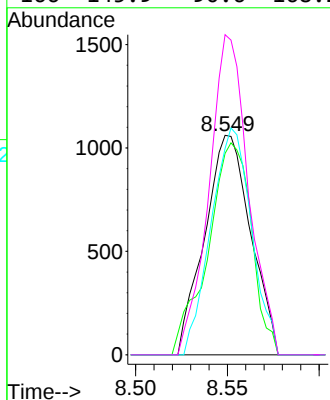
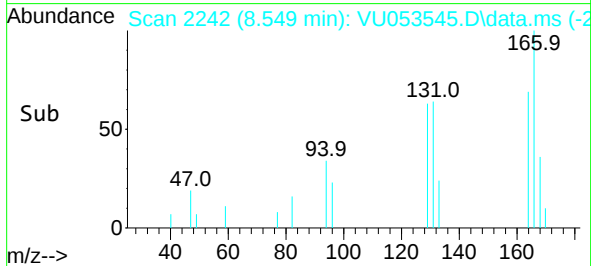
Instrument :
MSVOA_U
ClientSampleId :
PMW-2(20230330)



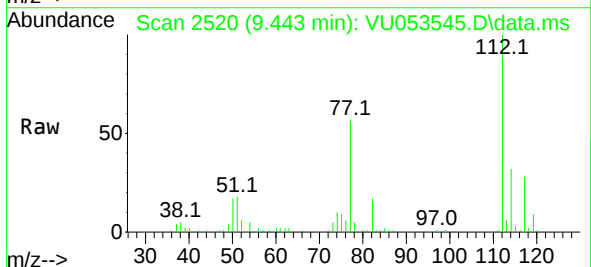
Tgt Ion:164 Resp: 185
Ion Ratio Lower Upper
164 100
129 91.8 64.0 119.0
131 94.1 61.9 115.1
166 145.9 90.6 168.2

Manual Integrations
APPROVED

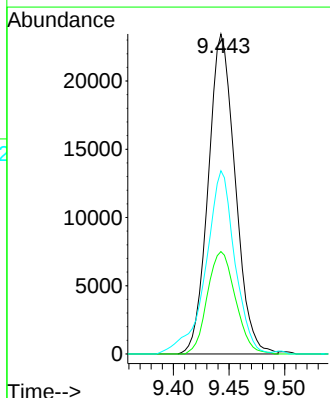
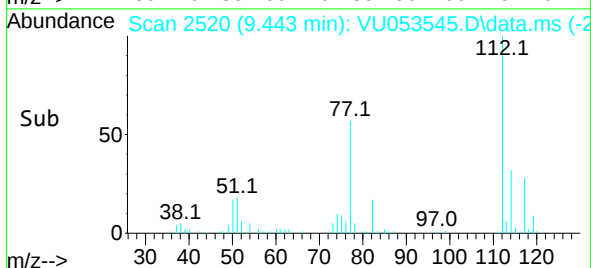
Reviewed By :Krupa Patel 04/04/2023
Supervised By :Mahesh Dadoda 04/04/2023

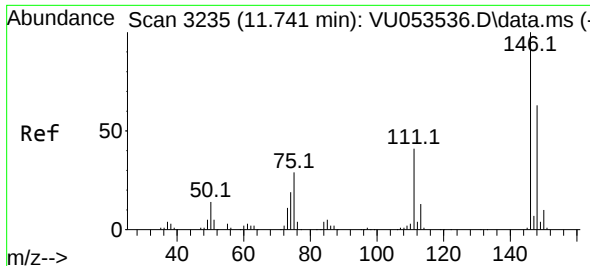


#51
Chlorobenzene
Concen: 8.091 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU053545.D
Acq: 04 Apr 2023 01:55



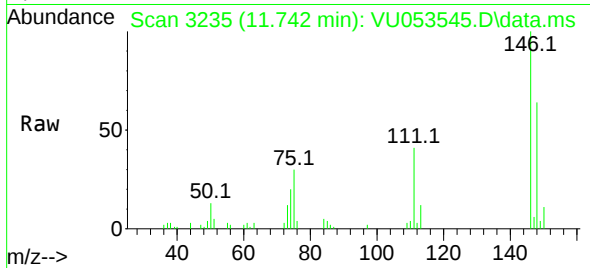
Tgt Ion:112 Resp: 39536
Ion Ratio Lower Upper
112 100
114 32.0 22.2 41.2
77 57.3 41.3 61.9





#64
1,3-Dichlorobenzene
Concen: 5.743 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU053545.D
Acq: 04 Apr 2023 01:55

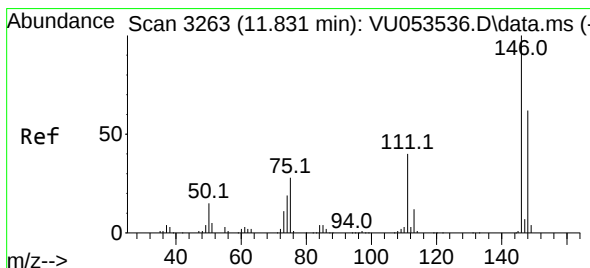
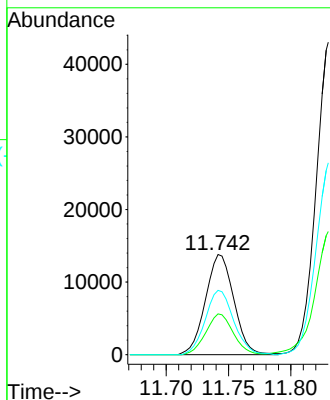
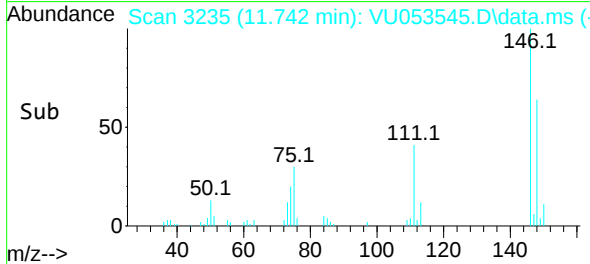
Instrument :
MSVOA_U
ClientSampleId :
PMW-2(20230330)



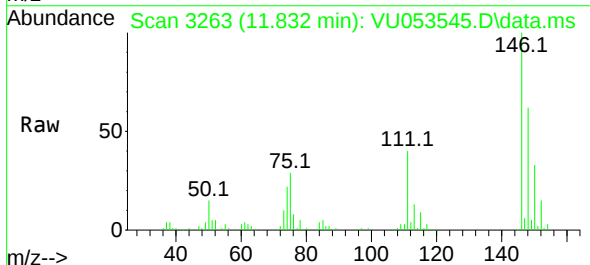
Tgt Ion:146 Resp: 21840
Ion Ratio Lower Upper
146 100
111 40.7 25.7 47.7
148 64.3 44.2 82.2

Manual Integrations
APPROVED

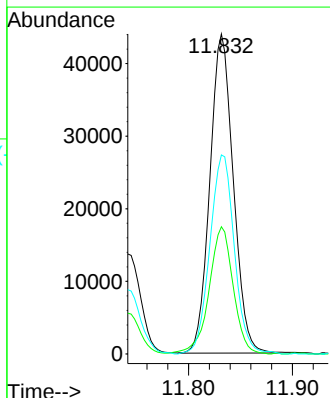
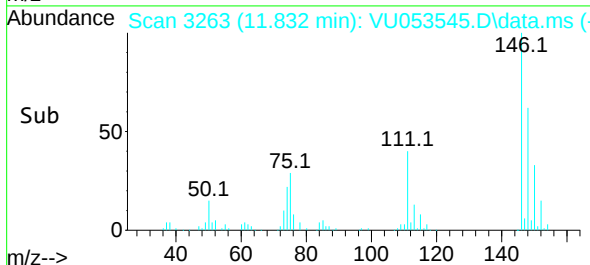
Reviewed By :Krupa Patel 04/04/2023
Supervised By :Mahesh Dadoda 04/04/2023

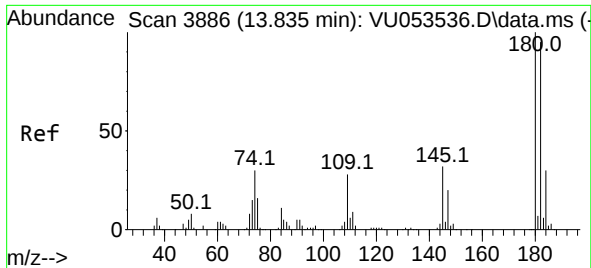


#65
1,4-Dichlorobenzene
Concen: 17.773 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053545.D
Acq: 04 Apr 2023 01:55



Tgt Ion:146 Resp: 68887
Ion Ratio Lower Upper
146 100
111 39.8 25.1 46.5
148 62.2 44.3 82.3





#70

1,2,4-trichlorobenzene

Concen: 11.499 ug/L

RT: 13.838 min Scan# 3002

Delta R.T. 0.003 min

Lab File: VU053545.D

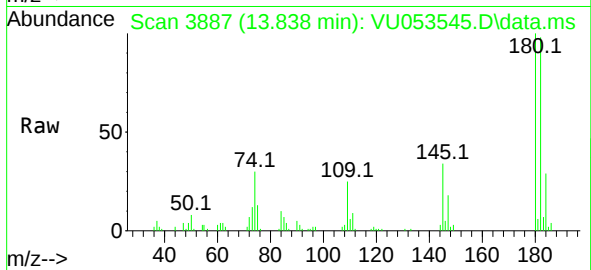
Acq: 04 Apr 2023 01:55

Instrument :

MSVOA_U

ClientSampleId :

PMW-2(20230330)



Tgt Ion:180 Resp: 3002

Ion Ratio Lower Upper

180 100

182 95.6 75.8 113.8

145 32.9 23.4 35.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/04/2023

Supervised By :Mahesh Dadoda 04/04/2023

