

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031723\
 Data File : VW030242.D
 Acq On : 17 Mar 2023 17:53
 Operator : SY/MD
 Sample : 01996-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0A30

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/22/2023
 Supervised By :Mahesh Dadoda 03/22/2023

Quant Time: Mar 17 23:00:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 17 22:49:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	130195	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	120056	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	59481	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	31733	3.767	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.400%
7) Chloroethane-d5	1.536	69	29972	3.790	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.800%
11) 1,1-Dichloroethene-d2	2.073	63	913237	52.729	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	1054.600%#
20) 2-Butanone-d5	3.815	46	85062	54.766	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.540%
24) Chloroform-d	4.262	84	84089	4.886	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
26) 1,2-Dichloroethane-d4	4.953	65	35986	5.123	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
32) Benzene-d6	4.973	84	127338	3.942	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.800%
36) 1,2-Dichloropropane-d6	5.998	67	40487	4.166	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.400%
41) Toluene-d8	7.252	98	111038	3.626	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.600%
43) trans-1,3-Dichloroprop...	7.564	79	14489	4.358	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.200%
46) 2-Hexanone-d5	8.037	63	67348	48.959	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.920%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	26573	3.843	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	76.800%
66) 1,2-Dichlorobenzene-d4	11.571	152	42724	4.245	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	31888	1.910	ug/L	97
6) Bromomethane	1.497	94	2256	1.133	ug/L	88
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	4793	0.486	ug/L #	44
12) 1,1-Dichloroethene	2.076	96	1478658	169.233	ug/L #	71
16) Methylene chloride	2.455	84	4620	0.433	ug/L	96
18) trans-1,2-Dichloroethene	2.700	96	1575	0.189	ug/L	94
19) 1,1-Dichloroethane	3.121	63	126916	8.197	ug/L	99
22) cis-1,2-Dichloroethene	3.825	96	108256	11.784	ug/L	90
25) Chloroform	4.285	83	310134	19.254	ug/L	99
27) 1,2-Dichloroethane	5.063	62	3532	0.419	ug/L #	92
29) 1,1,1-Trichloroethane	4.523	97	862045	61.124	ug/L	96
31) Carbon tetrachloride	4.745	117	6180	0.488	ug/L	98
33) Benzene	5.021	78	24309	0.741	ug/L	100
34) Trichloroethene	5.844	95	3982986	433.524	ug/L	94
45) 1,1,2-Trichloroethane	7.780	97	2978m	0.499	ug/L	
47) Tetrachloroethene	7.941	164	26057167m	3304.130	ug/L	
54) o-Xylene	9.490	106	8430	0.594	ug/L	97
64) 1,3-Dichlorobenzene	11.127	146	31832	1.786	ug/L	97
65) 1,4-Dichlorobenzene	11.220	146	25257	1.405	ug/L	98

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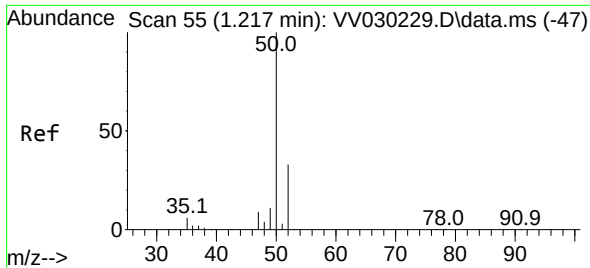
Quant Time: Mar 17 23:00:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	11.590	146	99057	6.295	ug/L	98
72) 1,2,3-Trichlorobenzene	13.689	180	1153	0.118	ug/L #	95

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

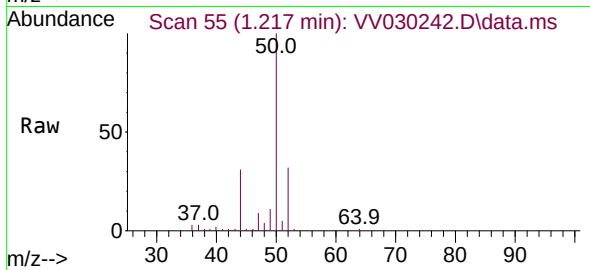
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023

[illegible]



#3
Chloromethane
Concen: 1.910 ug/L
RT: 1.217 min Scan# 50
Delta R.T. 0.000 min
Lab File: VV030242.D
Acq: 17 Mar 2023 17:53

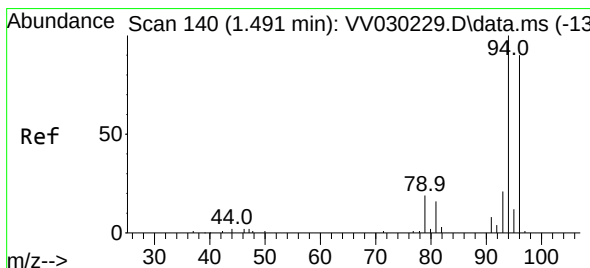
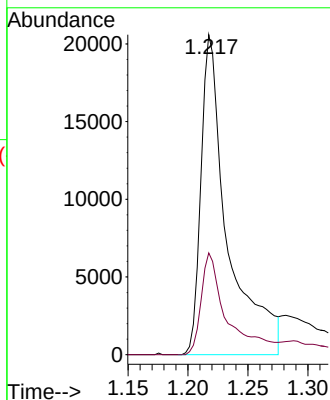
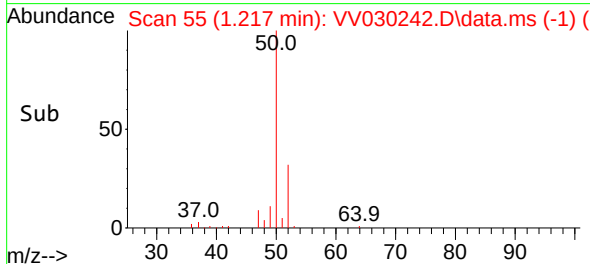
Instrument :
MSVOA_V
ClientSampleId :
H0A30



Tgt Ion: 50 Resp: 3188
Ion Ratio Lower Upper
50 100
52 31.8 23.6 43.8

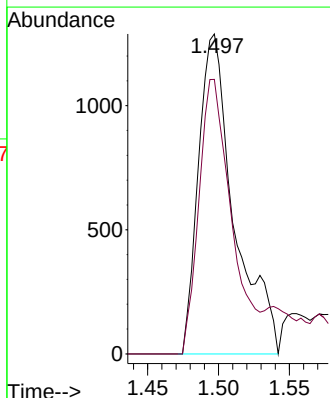
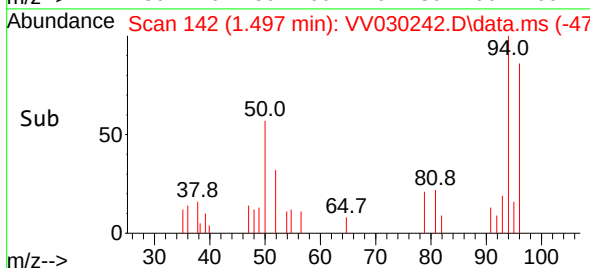
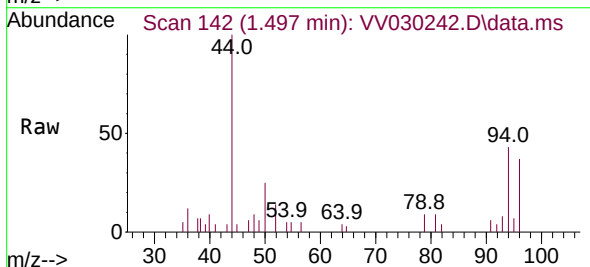
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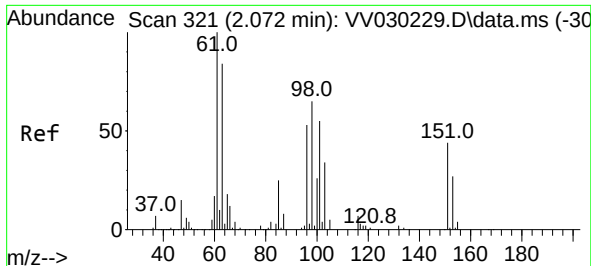
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023



#6
Bromomethane
Concen: 1.133 ug/L
RT: 1.497 min Scan# 142
Delta R.T. 0.007 min
Lab File: VV030242.D
Acq: 17 Mar 2023 17:53

Tgt Ion: 94 Resp: 2256
Ion Ratio Lower Upper
94 100
96 85.8 68.4 127.0





#10

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

Concen: 0.486 ug/L

RT: 2.073 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV030242.D

Acq: 17 Mar 2023 17:53

Instrument :

MSVOA_V

ClientSampleId :

H0A30

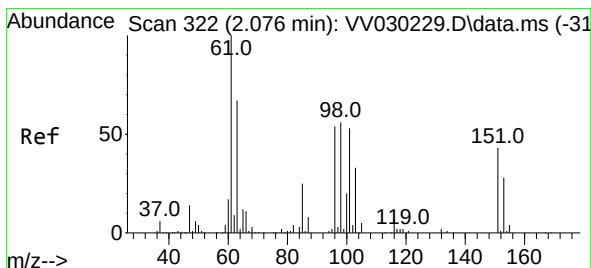
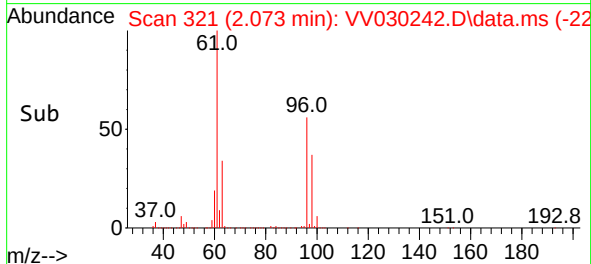
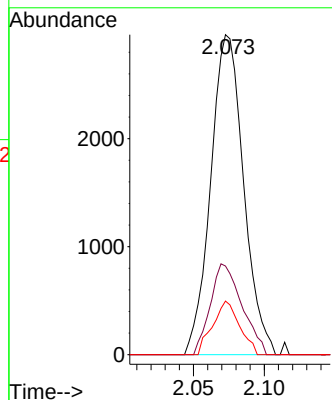
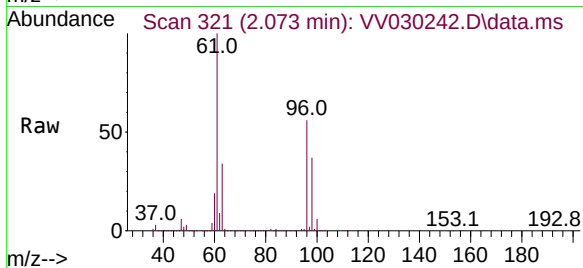
Tgt Ion:	101	Resp:	479
Ion Ratio	Lower	Upper	
101	100		
85	27.3	33.5	50.3
151	13.6	61.6	92.4

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 169.233 ug/L

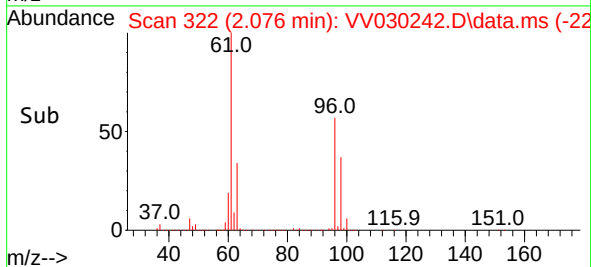
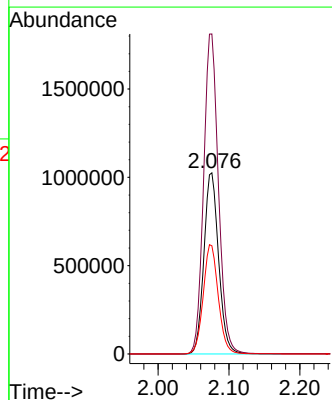
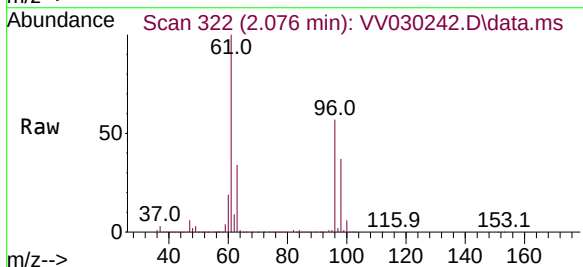
RT: 2.076 min Scan# 322

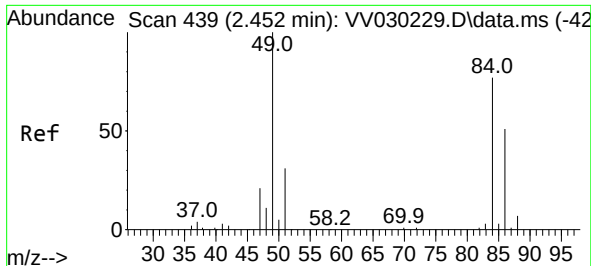
Delta R.T. 0.000 min

Lab File: VV030242.D

Acq: 17 Mar 2023 17:53

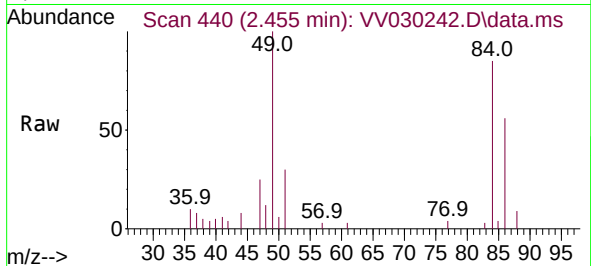
Tgt Ion:	96	Resp:	1478658
Ion Ratio	Lower	Upper	
96	100		
61	176.7	115.6	214.6
63	59.7	85.6	159.0





#16
Methylene chloride
Concen: 0.433 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030242.D
Acq: 17 Mar 2023 17:53

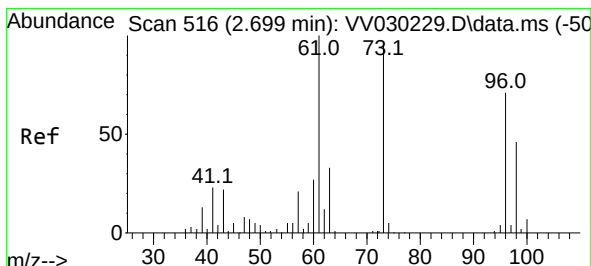
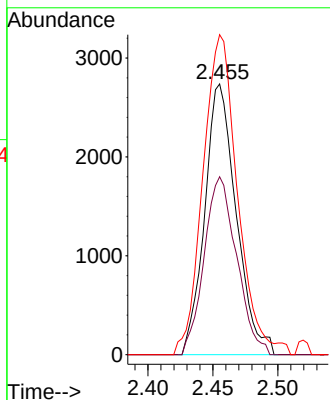
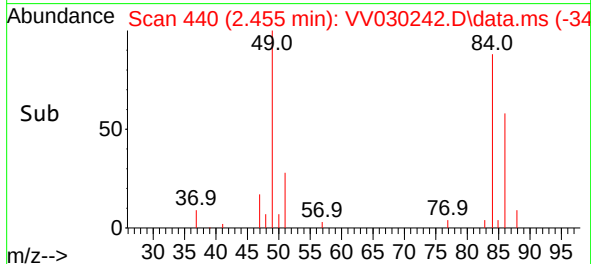
Instrument :
MSVOA_V
ClientSampleId :
H0A30



Tgt Ion: 84 Resp: 4620
Ion Ratio Lower Upper
84 100
86 65.7 44.7 83.1
49 118.2 78.8 146.3

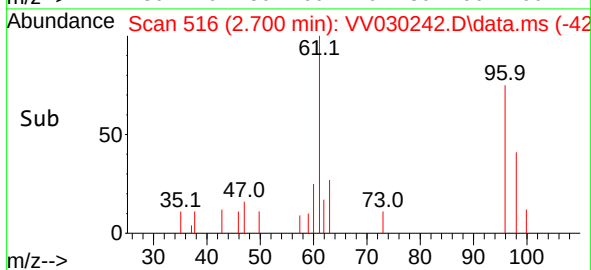
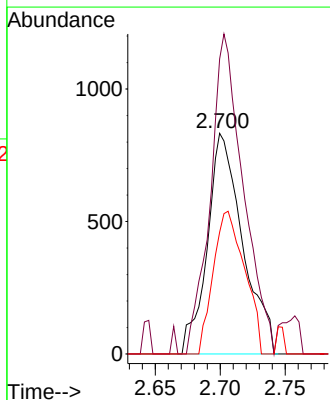
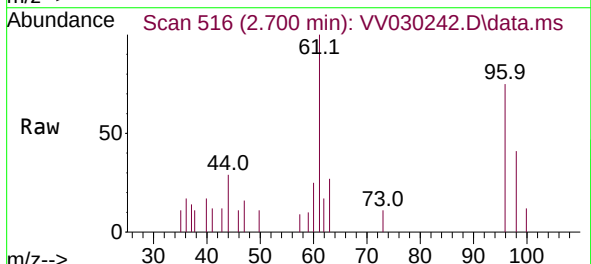
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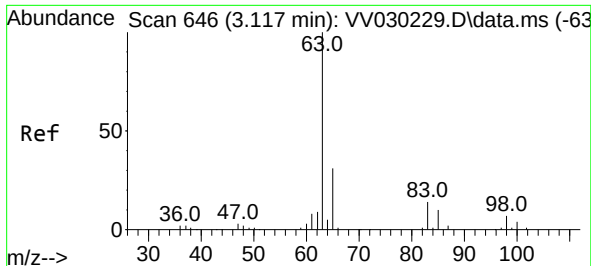
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023



#18
trans-1,2-Dichloroethene
Concen: 0.189 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV030242.D
Acq: 17 Mar 2023 17:53

Tgt Ion: 96 Resp: 1575
Ion Ratio Lower Upper
96 100
61 133.7 91.0 169.0
98 55.2 45.2 84.0





#19

1,1-Dichloroethane

Concen: 8.197 ug/L

RT: 3.121 min Scan# 646

Delta R.T. 0.003 min

Lab File: VV030242.D

Acq: 17 Mar 2023 17:53

Instrument :

MSVOA_V

ClientSampleId :

H0A30

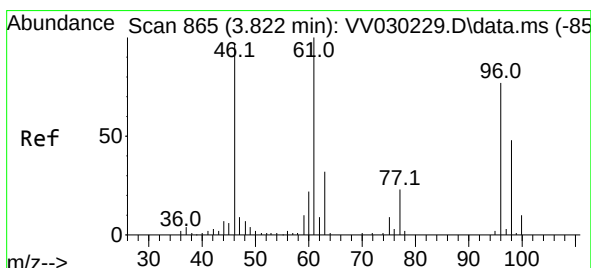
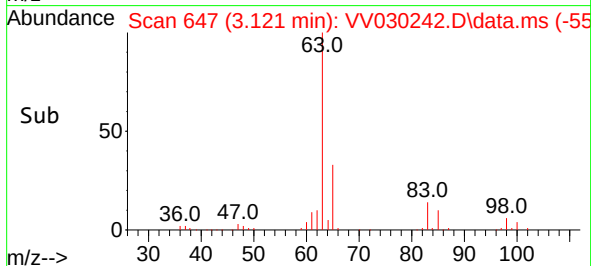
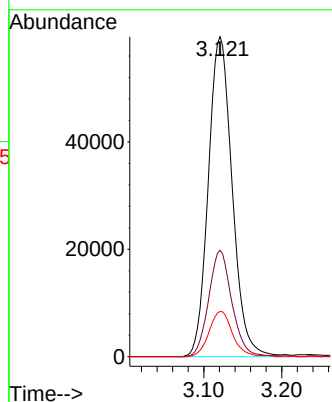
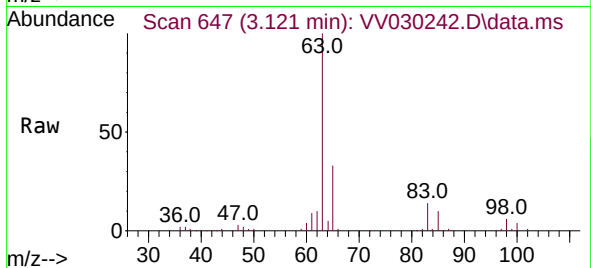
Tgt Ion: 63 Resp: 126910
 Ion Ratio Lower Upper
 63 100
 65 33.2 23.0 42.8
 83 14.2 9.6 17.8

Manual Integrations

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Supervised By :Mahesh Dadoda 03/22/2023



#22

cis-1,2-Dichloroethene

Concen: 11.784 ug/L

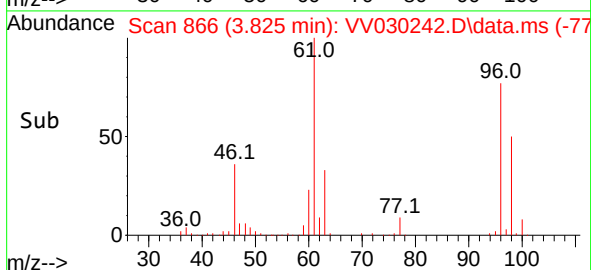
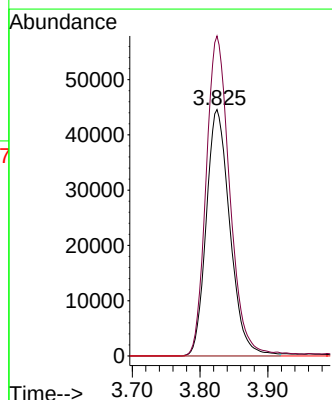
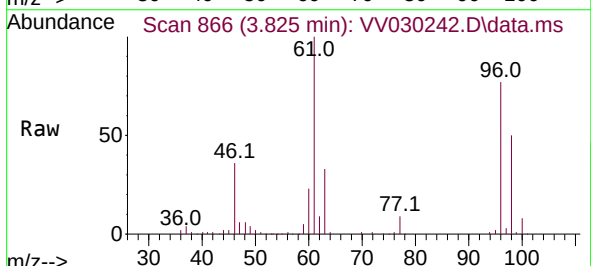
RT: 3.825 min Scan# 866

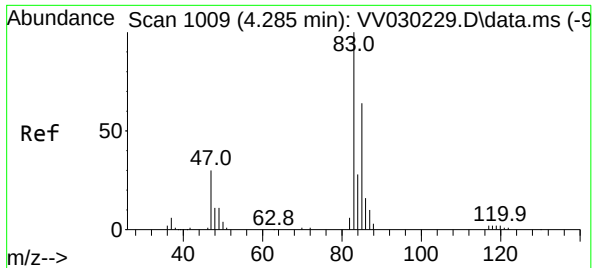
Delta R.T. 0.003 min

Lab File: VV030242.D

Acq: 17 Mar 2023 17:53

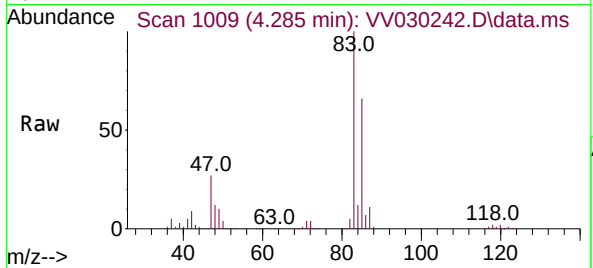
Tgt Ion: 96 Resp: 108256
 Ion Ratio Lower Upper
 96 100
 61 129.9 83.4 154.8
 68 0.0 0.0 0.0





#25
Chloroform
Concen: 19.254 ug/L
RT: 4.285 min Scan# 1009
Delta R.T. 0.000 min
Lab File: VV030242.D
Acq: 17 Mar 2023 17:53

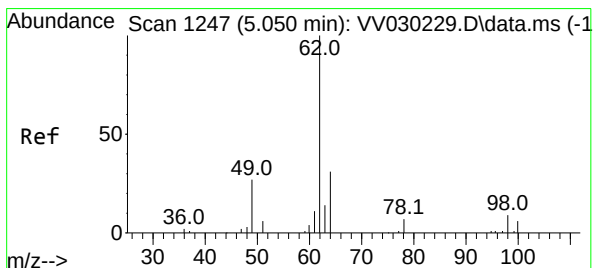
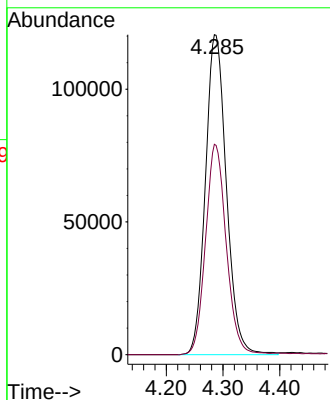
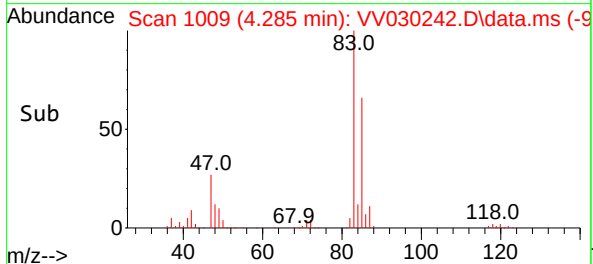
Instrument :
MSVOA_V
ClientSampleId :
H0A30



Tgt Ion: 83 Resp: 310134
Ion Ratio Lower Upper
83 100
85 65.7 46.5 86.5

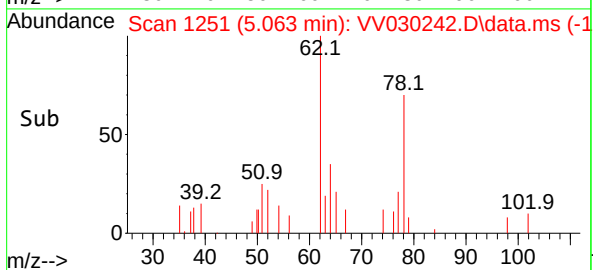
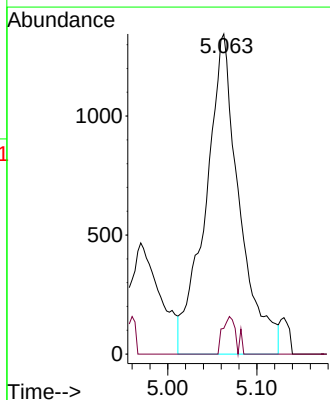
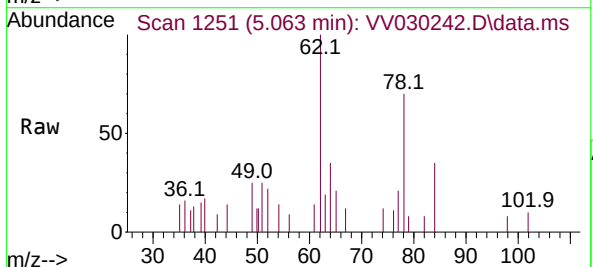
Manual Integrations
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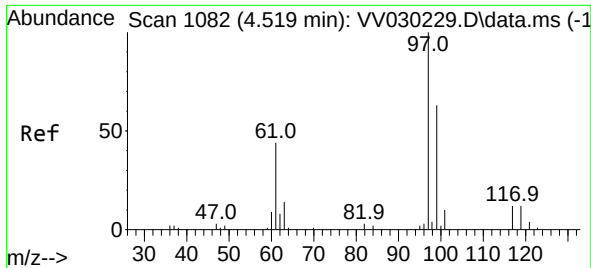
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023



#27
1,2-Dichloroethane
Concen: 0.419 ug/L
RT: 5.063 min Scan# 1251
Delta R.T. 0.013 min
Lab File: VV030242.D
Acq: 17 Mar 2023 17:53

Tgt Ion: 62 Resp: 3532
Ion Ratio Lower Upper
62 100
98 8.0 9.0 13.4#





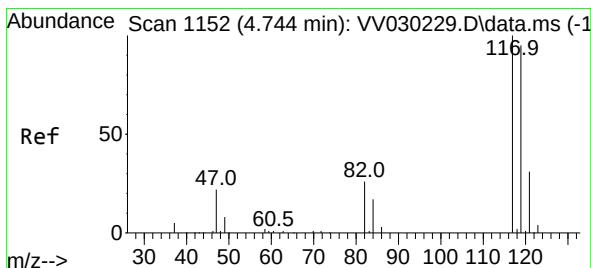
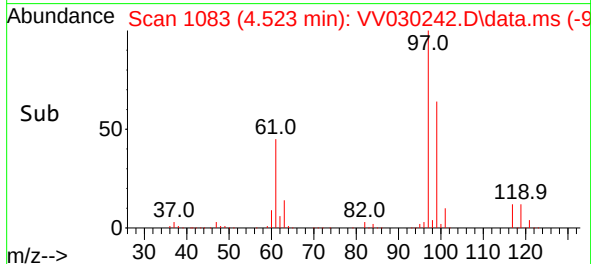
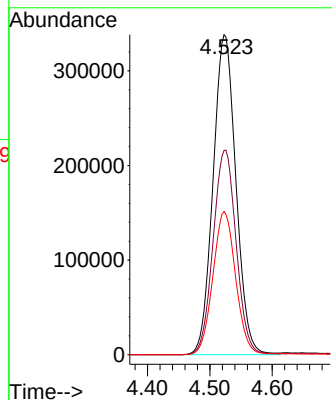
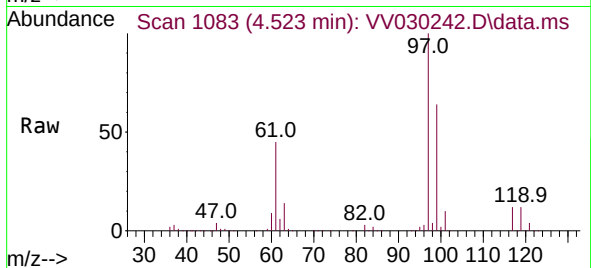
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1,1,1-Trichloroethane
Concen: 61.124 ug/L
RT: 4.523 min Scan# 1082
Delta R.T. 0.003 min
Lab File: VV030242.D
Acq: 17 Mar 2023 17:53

Instrument :
MSVOA_V
ClientSampleId :
H0A30

Tgt Ion: 97 Resp: 862045
Ion Ratio Lower Upper
97 100
99 64.5 51.3 76.9
61 44.6 31.5 47.3

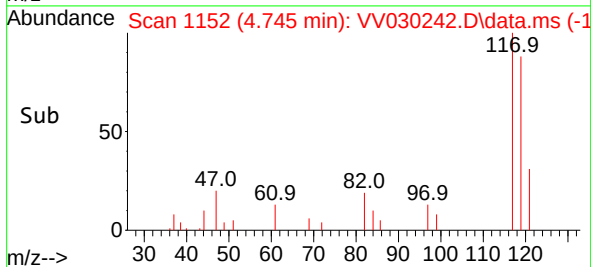
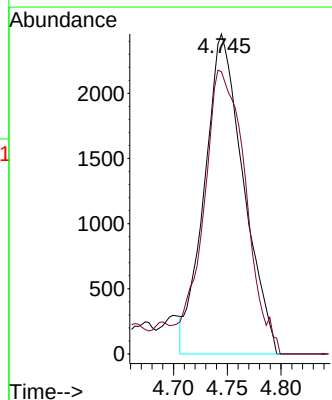
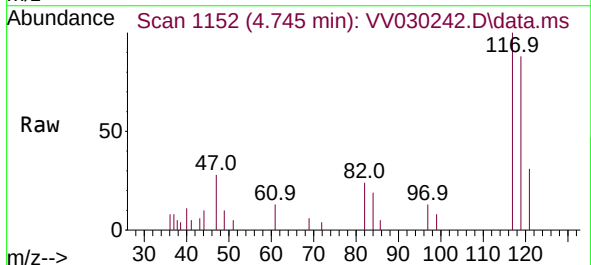
Manual Integrations
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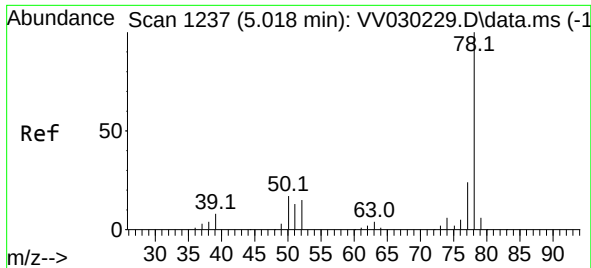
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023



#31
Carbon tetrachloride
Concen: 0.488 ug/L
RT: 4.745 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV030242.D
Acq: 17 Mar 2023 17:53

Tgt Ion:117 Resp: 6180
Ion Ratio Lower Upper
117 100
119 96.7 76.1 114.1





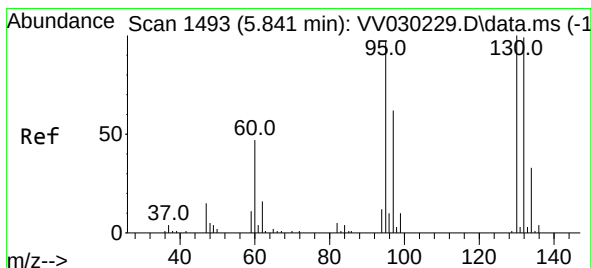
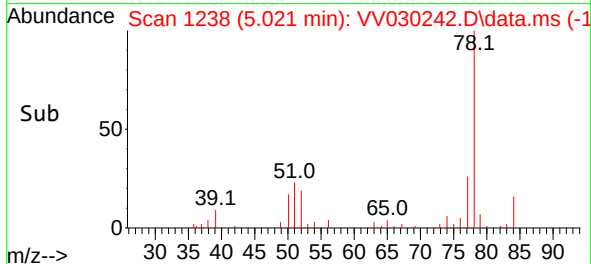
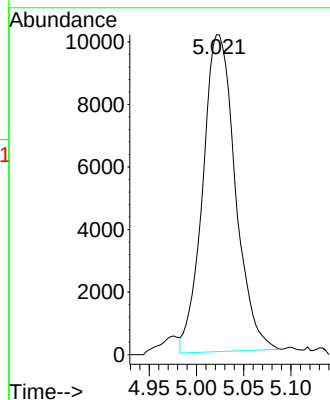
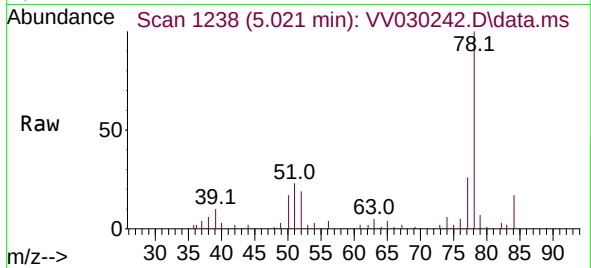
#33
Benzene
Concen: 0.741 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV030242.D
Acq: 17 Mar 2023 17:53

Instrument :
MSVOA_V
ClientSampleId :
H0A30

Tgt Ion: 78 Resp: 24309

Manual Integrations
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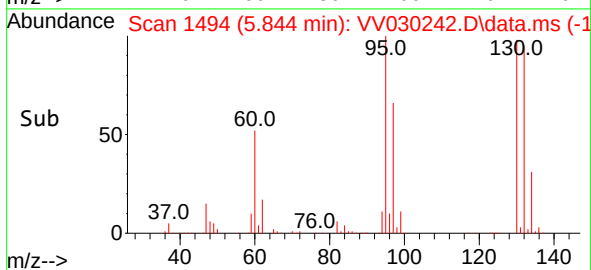
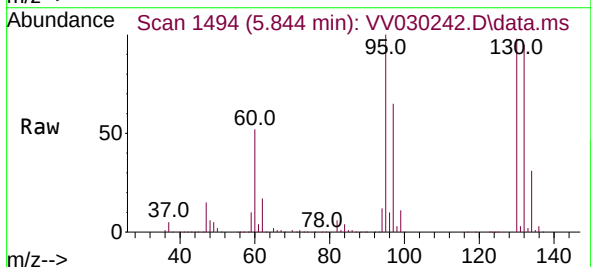
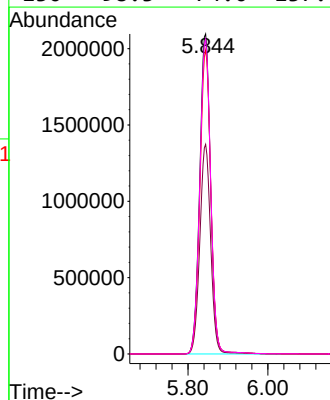
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023

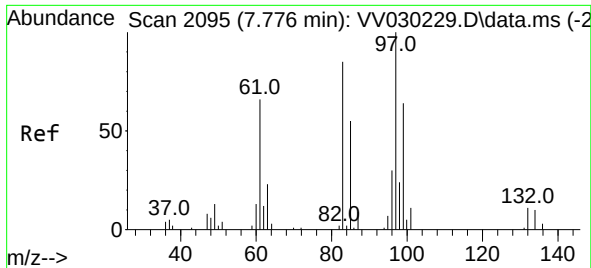


#34
Trichloroethene
Concen: 433.524 ug/L
RT: 5.844 min Scan# 1494
Delta R.T. 0.003 min
Lab File: VV030242.D
Acq: 17 Mar 2023 17:53

Tgt Ion: 95 Resp: 3982986

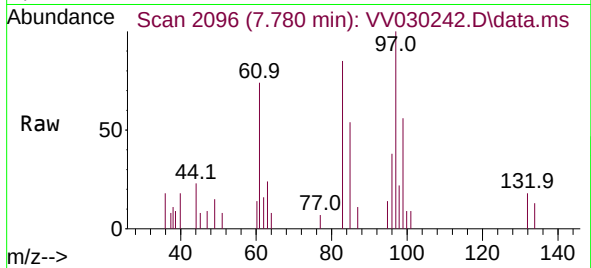
Ion	Ratio	Lower	Upper
95	100		
97	65.5	46.5	86.5
132	95.0	71.7	133.3
130	98.3	74.0	137.4





#45
1,1,2-Trichloroethane
Concen: 0.499 ug/L m
RT: 7.780 min Scan# 2095
Delta R.T. 0.003 min
Lab File: VV030242.D
Acq: 17 Mar 2023 17:53

Instrument :
MSVOA_V
ClientSampleId :
H0A30

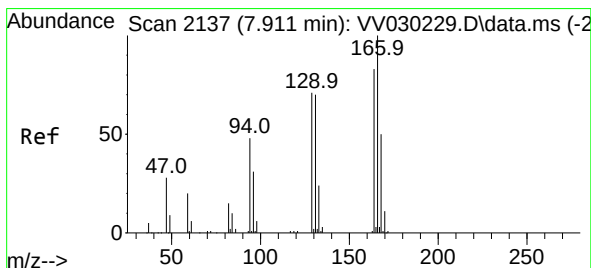
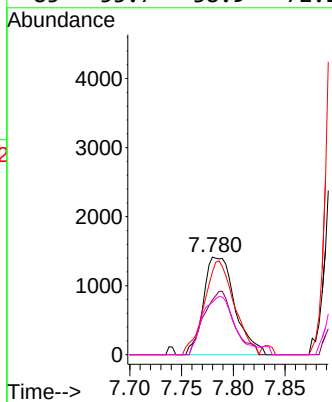
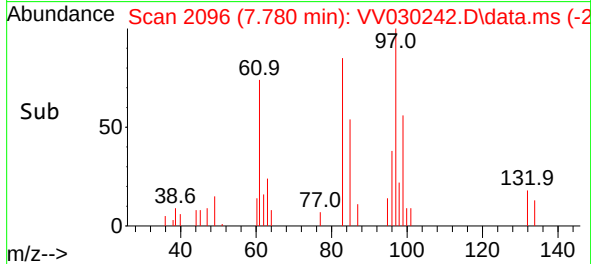


Tgt Ion: 97 Resp: 2978

Ion	Ratio	Lower	Upper
97	100		
99	56.0	42.6	79.2
83	84.7	57.7	107.3
85	53.7	38.9	72.2

Manual Integrations
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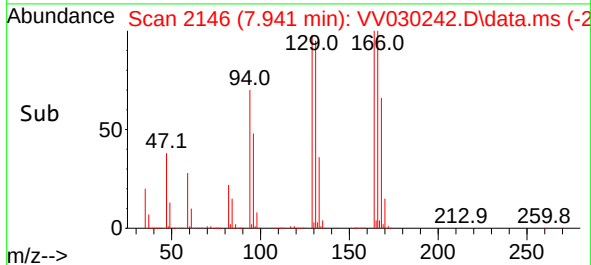
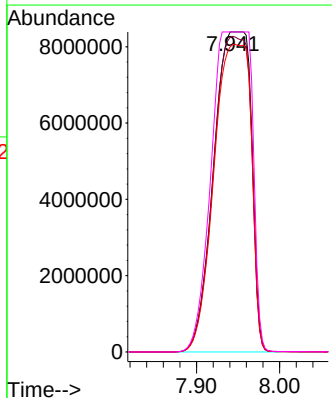
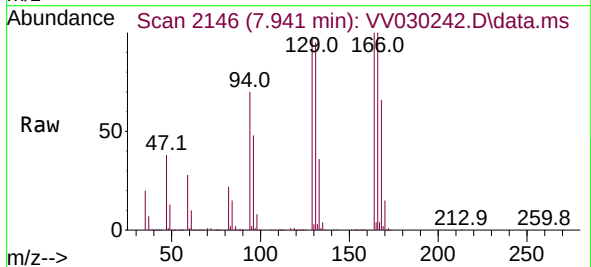
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023

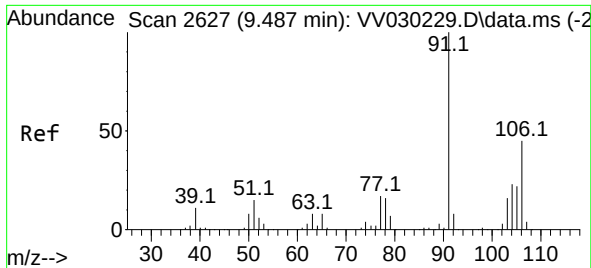


#47
Tetrachloroethene
Concen: 3304.130 ug/L m
RT: 7.941 min Scan# 2146
Delta R.T. 0.029 min
Lab File: VV030242.D
Acq: 17 Mar 2023 17:53

Tgt Ion:164 Resp:26057167

Ion	Ratio	Lower	Upper
164	100		
129	98.3	63.6	118.2
131	95.4	61.7	114.7
166	100.0	90.8	168.6





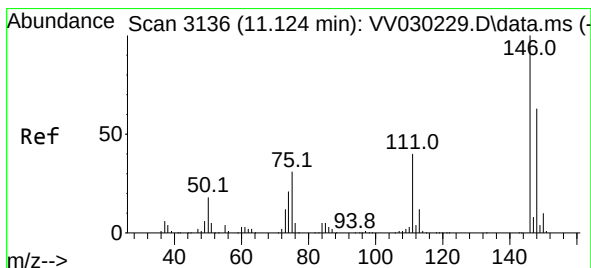
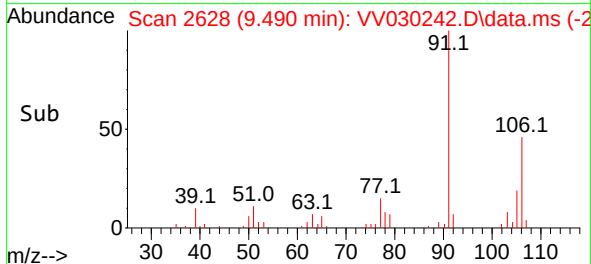
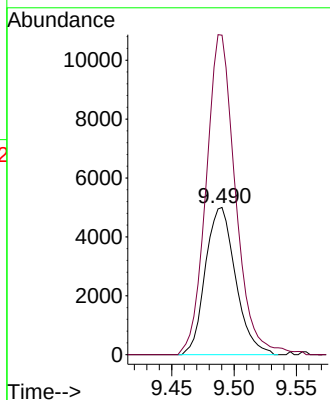
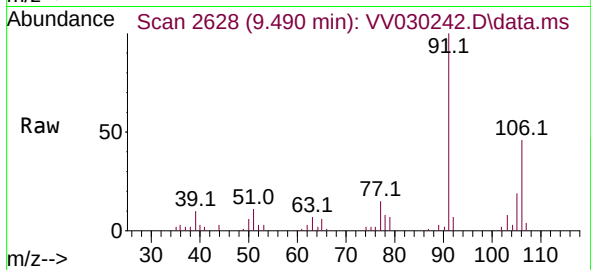
#54
o-Xylene
Concen: 0.594 ug/L
RT: 9.490 min Scan# 2627
Delta R.T. 0.003 min
Lab File: VV030242.D
Acq: 17 Mar 2023 17:53

Instrument :
MSVOA_V
ClientSampleId :
H0A30

Tgt Ion:106 Resp: 8430
Ion Ratio Lower Upper
106 100
91 217.0 148.8 276.4

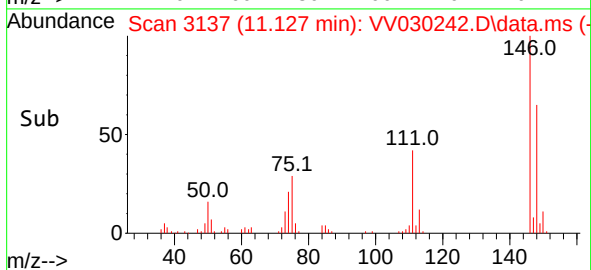
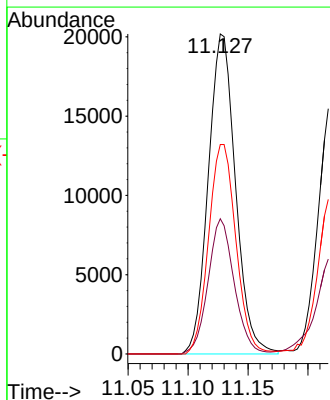
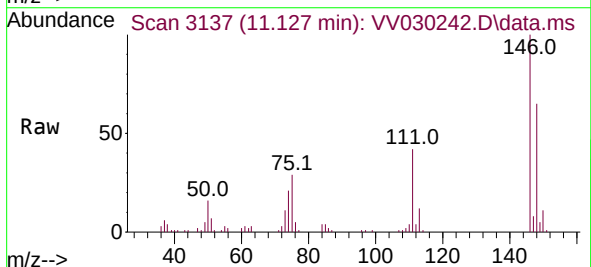
Manual Integrations
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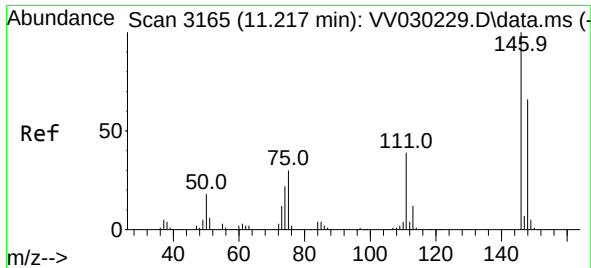
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023



#64
1,3-Dichlorobenzene
Concen: 1.786 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.003 min
Lab File: VV030242.D
Acq: 17 Mar 2023 17:53

Tgt Ion:146 Resp: 31832
Ion Ratio Lower Upper
146 100
111 42.2 27.7 51.5
148 65.5 44.5 82.7





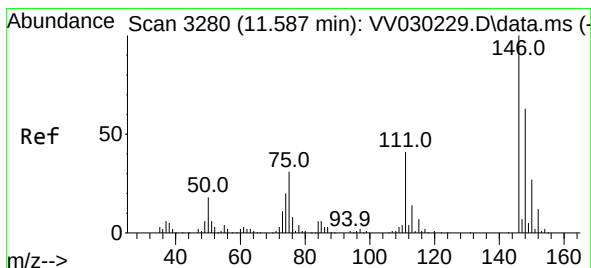
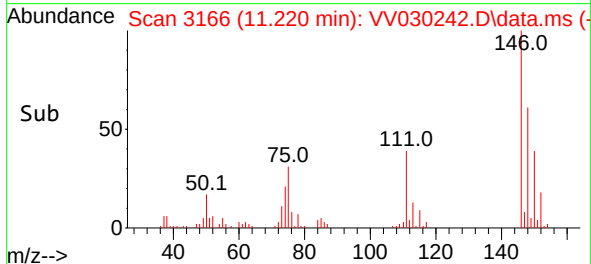
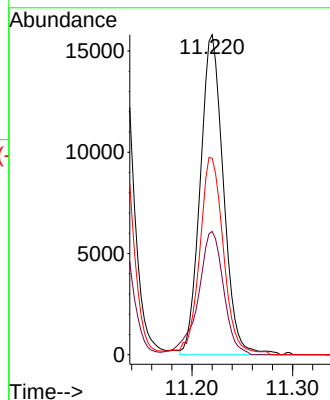
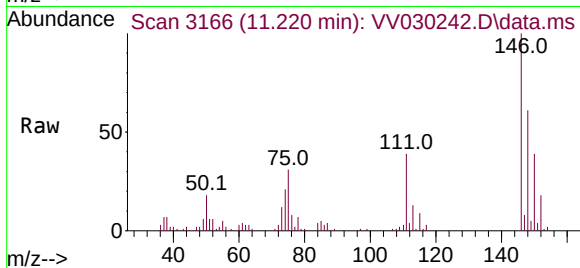
#65
1,4-Dichlorobenzene
Concen: 1.405 ug/L
RT: 11.220 min Scan# 3166
Delta R.T. 0.003 min
Lab File: VV030242.D
Acq: 17 Mar 2023 17:53

Instrument :
MSVOA_V
ClientSampleId :
H0A30

Tgt Ion:146 Resp: 2525
Ion Ratio Lower Upper
146 100
111 38.5 27.4 51.0
148 61.4 44.1 81.9

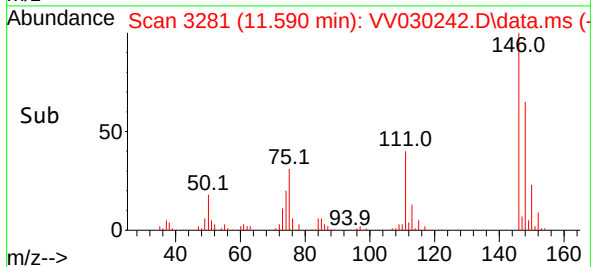
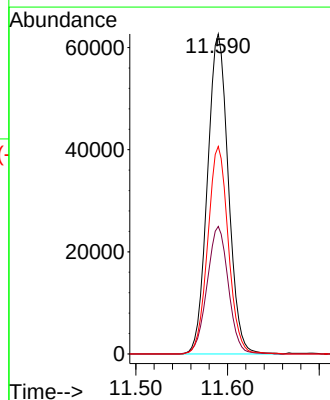
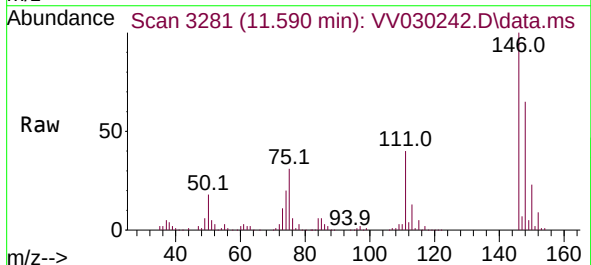
Manual Integrations
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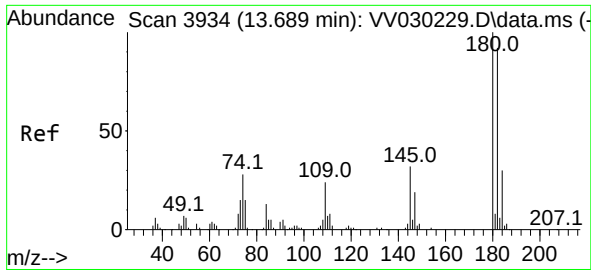
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023



#67
1,2-Dichlorobenzene
Concen: 6.295 ug/L
RT: 11.590 min Scan# 3281
Delta R.T. 0.003 min
Lab File: VV030242.D
Acq: 17 Mar 2023 17:53

Tgt Ion:146 Resp: 99057
Ion Ratio Lower Upper
146 100
111 39.8 33.5 50.3
148 64.9 51.3 76.9





#72

1,2,3-Trichlorobenzene

Concen: 0.118 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.000 min

Lab File: VV030242.D

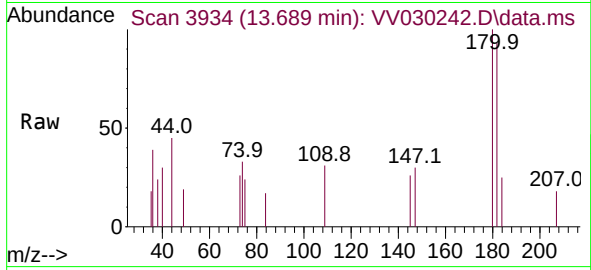
Acq: 17 Mar 2023 17:53

Instrument :

MSVOA_V

ClientSampleId :

H0A30



Tgt Ion:	180	Resp:	115
Ion Ratio	Lower	Upper	
180	100		
182	97.6	76.2	114.2
145	24.1	25.1	37.7

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 03/22/2023

Supervised By :Mahesh Dadoda 03/22/2023

