

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW020223\
 Data File : VW030025.D
 Acq On : 02 Feb 2023 15:54
 Operator : SY/MD
 Sample : 01378-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT1-2023-01

Quant Time: Feb 03 01:49:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 03 01:11:57 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/03/2023
 Supervised By :Mahesh Dadoda 02/03/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	258816	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	244871	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	121917	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	79042	4.026	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.600%
7) Chloroethane-d5	1.561	69	76637	4.709	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.200%
11) 1,1-Dichloroethene-d2	2.101	63	113768	3.179	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.600%
20) 2-Butanone-d5	3.883	46	166741	47.922	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.840%
24) Chloroform-d	4.336	84	152367	4.231	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
26) 1,2-Dichloroethane-d4	5.021	65	66114	4.335	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.800%
32) Benzene-d6	5.037	84	319123	4.393	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
36) 1,2-Dichloropropane-d6	6.059	67	102808	4.836	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.800%
41) Toluene-d8	7.304	98	270905	4.028	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.600%
43) trans-1,3-Dichloroprop...	7.612	79	32178	4.145	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.800%
46) 2-Hexanone-d5	8.082	63	146625	46.389	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.780%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	68279	4.383	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.600%
66) 1,2-Dichlorobenzene-d4	11.612	152	98039	4.423	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	4720	0.196	ug/L	98
3) Chloromethane	1.237	50	9998	0.394	ug/L	100
5) Vinyl chloride	1.304	62	6214	0.250	ug/L #	72
6) Bromomethane	1.516	94	2620	0.216	ug/L	88
8) Chloroethane	1.577	64	4020	0.267	ug/L	98
9) Trichlorofluoromethane	1.748	101	6950	0.213	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	5435	0.283	ug/L #	84
12) 1,1-Dichloroethene	2.111	96	5293	0.240	ug/L #	1
13) Acetone	2.175	43	14383	5.792	ug/L	97
14) Carbon disulfide	2.285	76	12187	0.192	ug/L	99
15) Methyl Acetate	2.436	43	1502	0.232	ug/L #	73
16) Methylene chloride	2.497	84	6006	0.219	ug/L	87
17) Methyl tert-butyl Ether	2.764	73	8175	0.214	ug/L #	92
18) trans-1,2-Dichloroethene	2.754	96	4221	0.205	ug/L	95
19) 1,1-Dichloroethane	3.179	63	8340	0.243	ug/L	97
21) 2-Butanone	3.995	43	9226m	2.593	ug/L	
22) cis-1,2-Dichloroethene	3.902	96	4658	0.213	ug/L	88
23) Bromochloromethane	4.243	128	1923	0.213	ug/L #	81
27) 1,2-Dichloroethane	5.127	62	4265	0.235	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 1,1,1-Trichloroethane	4.600	97	6459	0.203	ug/L	96
30) Cyclohexane	4.667	56	7868	0.261	ug/L #	62
31) Carbon tetrachloride	4.818	117	5373	0.194	ug/L	93
33) Benzene	5.092	78	20465	0.253	ug/L	100
34) Trichloroethene	5.908	95	4357	0.212	ug/L	97
35) Methylcyclohexane	6.117	83	6745	0.195	ug/L	91
37) 1,2-Dichloropropane	6.166	63	4531	0.239	ug/L #	96
38) Bromodichloromethane	6.506	83	5666	0.231	ug/L	83
39) cis-1,3-Dichloropropene	7.024	75	6419	0.252	ug/L	99
40) 4-Methyl-2-pentanone	7.227	43	16821	2.079	ug/L #	85
42) Toluene	7.381	91	21951	0.251	ug/L	99
44) trans-1,3-Dichloropropene	7.645	75	5223	0.255	ug/L	98
45) 1,1,2-Trichloroethane	7.831	97	3075	0.225	ug/L	95
47) Tetrachloroethene	7.966	164	3783	0.219	ug/L	93
48) 2-Hexanone	8.140	43	16206	2.802	ug/L #	94
49) Dibromochloromethane	8.236	129	3416	0.213	ug/L	91
50) 1,2-Dibromoethane	8.346	107	2599	0.219	ug/L #	99
51) Chlorobenzene	8.873	112	12020	0.217	ug/L	98
52) Ethylbenzene	9.005	91	19197	0.210	ug/L	97
53) m,p-Xylene	9.130	106	7451	0.206	ug/L	77
54) o-Xylene	9.535	106	6728	0.196	ug/L	93
55) Styrene	9.555	104	10462	0.177	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.230	83	3897	0.257	ug/L #	94
59) Bromoform	9.725	173	1732	0.219	ug/L #	97
60) Isopropylbenzene	9.921	105	16245	0.208	ug/L	96
61) 1,2,3-Trichloropropane	10.262	75	2524	0.280	ug/L	95
62) 1,3,5-Trimethylbenzene	10.526	105	12599	0.189	ug/L	100
63) 1,2,4-Trimethylbenzene	10.902	105	13524	0.203	ug/L	97
64) 1,3-Dichlorobenzene	11.172	146	8731	0.221	ug/L	97
65) 1,4-Dichlorobenzene	11.262	146	9123	0.231	ug/L	97
67) 1,2-Dichlorobenzene	11.628	146	9017	0.253	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.416	75	560	0.262	ug/L #	73
69) 1,3,5-Trichlorobenzene	12.632	180	7006	0.220	ug/L	96
70) 1,2,4-trichlorobenzene	13.249	180	5568	0.224	ug/L	96
71) Naphthalene	13.493	128	7450	0.231	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	4771	0.231	ug/L	96

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

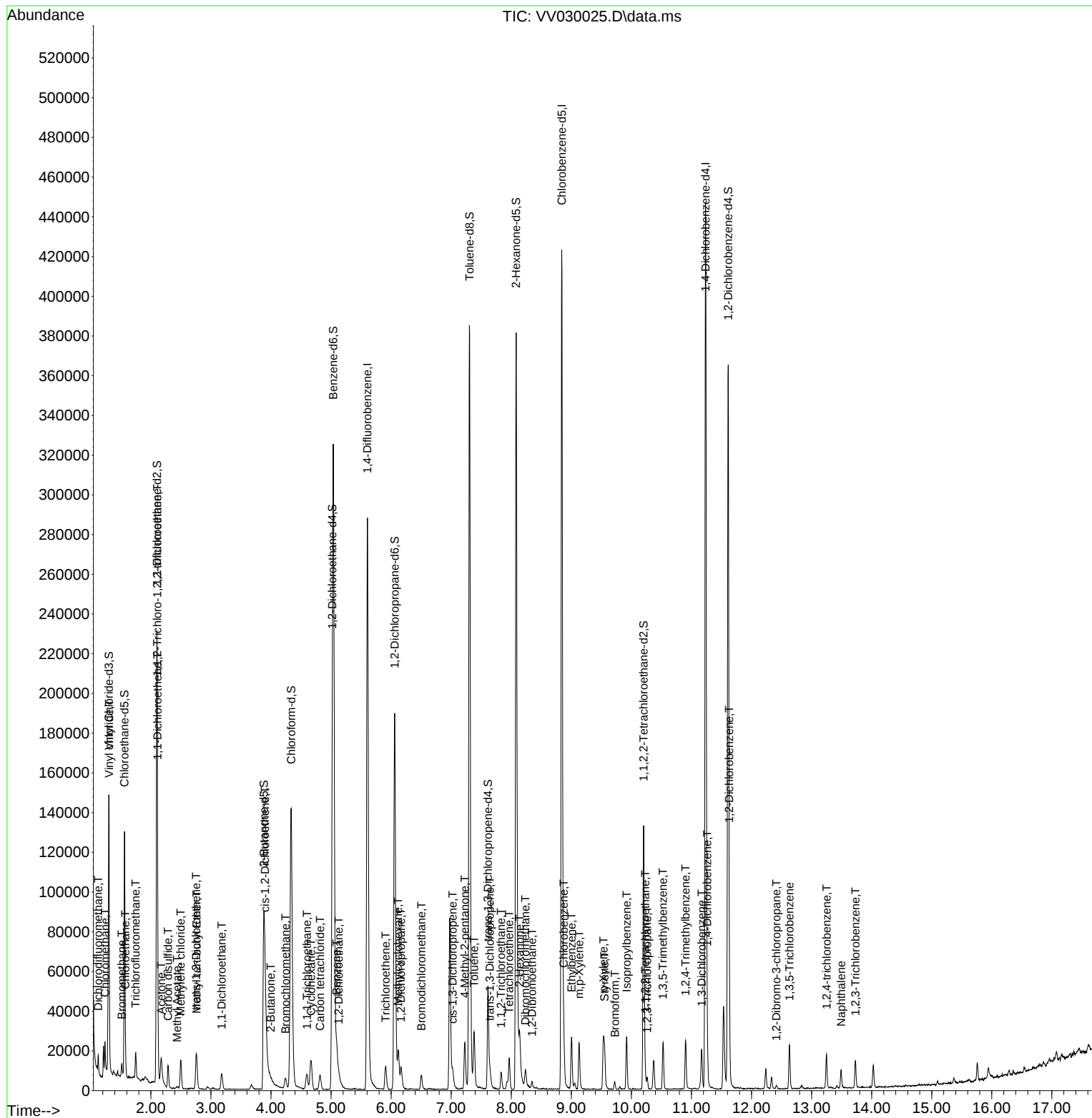
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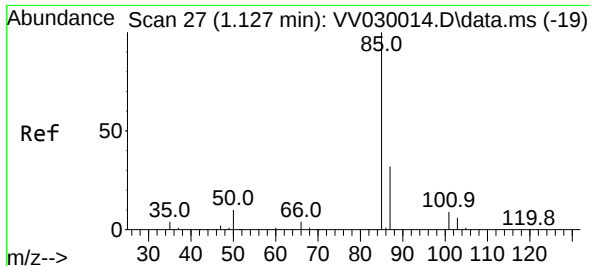
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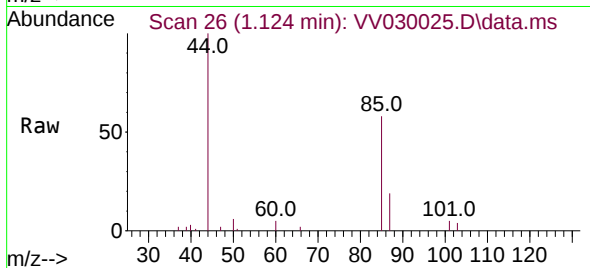
Reviewed By :Krupa Patel 02/03/2023
 Supervised By :Mahesh Dadoda 02/03/2023





#2
 Dichlorodifluoromethane
 Concen: 0.196 ug/L
 RT: 1.124 min Scan# 26
 Delta R.T. -0.003 min
 Lab File: VV030025.D
 Acq: 02 Feb 2023 15:54

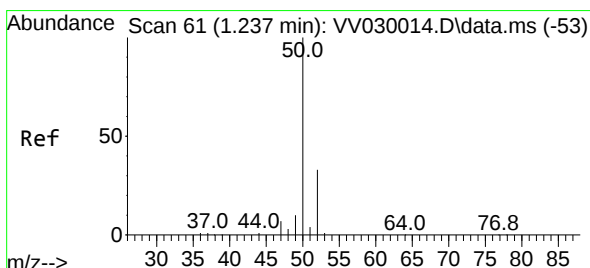
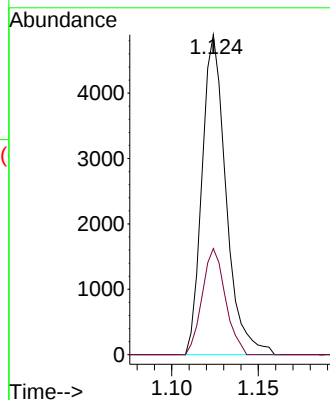
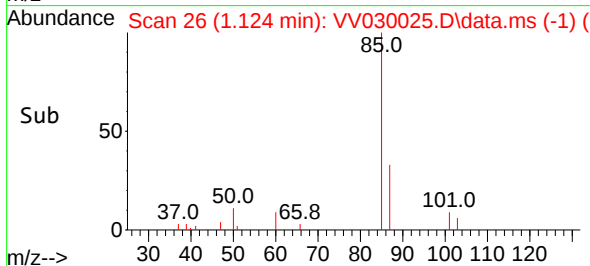
Instrument : MSVOA_V
 ClientSampleId :
 MDL-WATER-QT1-2023-01



Tgt Ion: 85 Resp: 4720
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.5 39.7

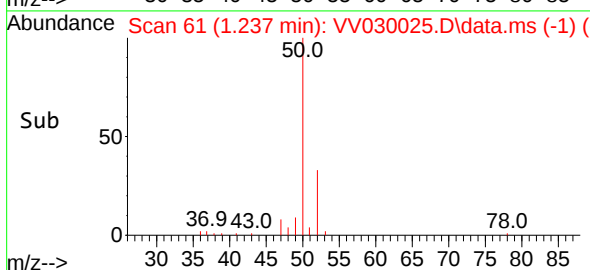
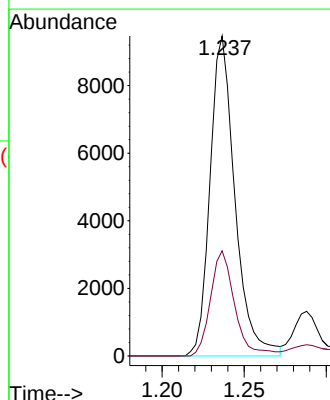
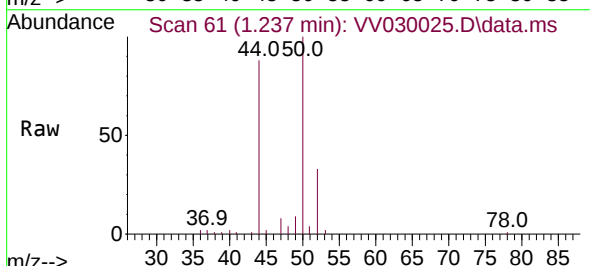
Manual Integrations
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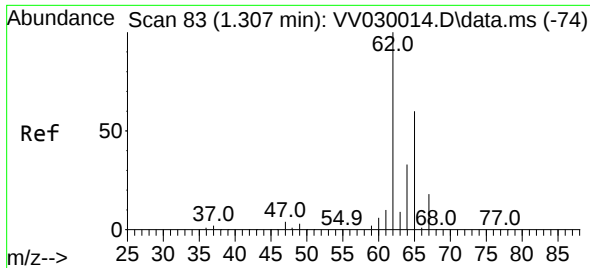
Reviewed By :Krupa Patel 02/03/2023
 Supervised By :Mahesh Dadoda 02/03/2023



#3
 Chloromethane
 Concen: 0.394 ug/L
 RT: 1.237 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VV030025.D
 Acq: 02 Feb 2023 15:54

Tgt Ion: 50 Resp: 9998
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.1 42.9





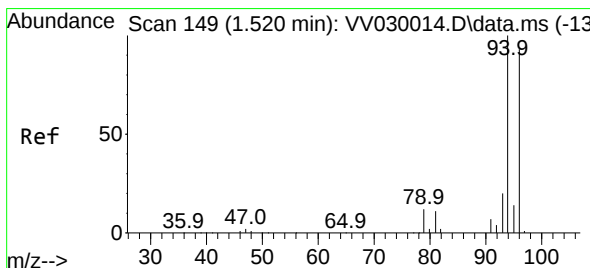
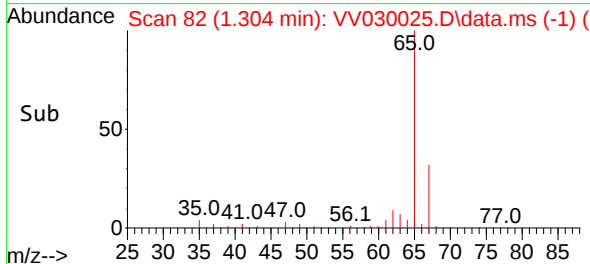
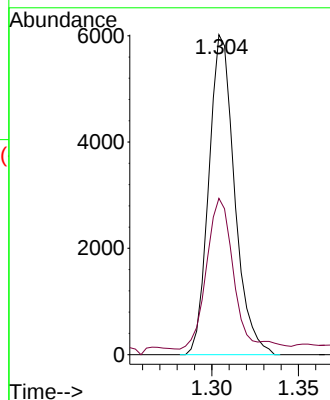
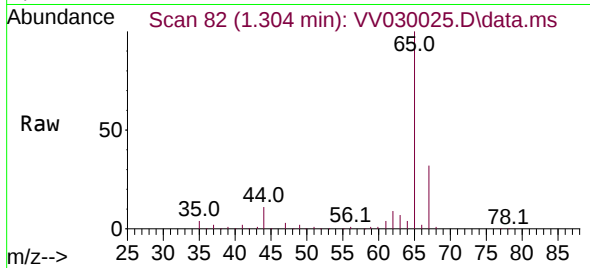
#5
 Vinyl chloride
 Concen: 0.250 ug/L
 RT: 1.304 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VV030025.D
 Acq: 02 Feb 2023 15:54

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT1-2023-01

Tgt Ion: 62 Resp: 6214
 Ion Ratio Lower Upper
 62 100
 64 48.9 23.2 43.2

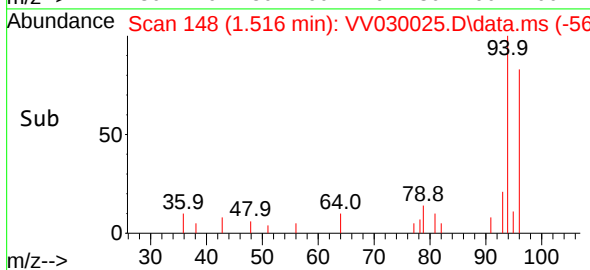
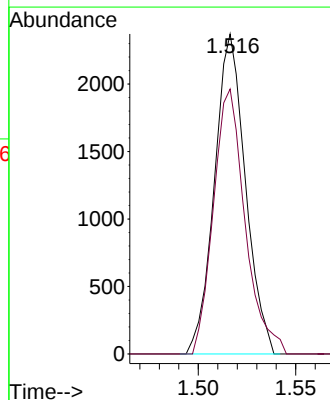
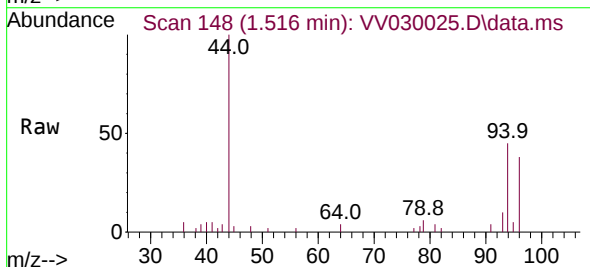
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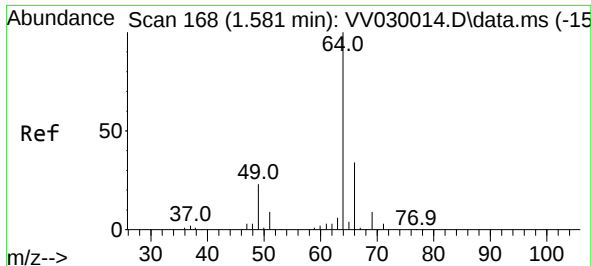
Reviewed By :Krupa Patel 02/03/2023
 Supervised By :Mahesh Dadoda 02/03/2023



#6
 Bromomethane
 Concen: 0.216 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. -0.003 min
 Lab File: VV030025.D
 Acq: 02 Feb 2023 15:54

Tgt Ion: 94 Resp: 2620
 Ion Ratio Lower Upper
 94 100
 96 82.8 65.9 122.5





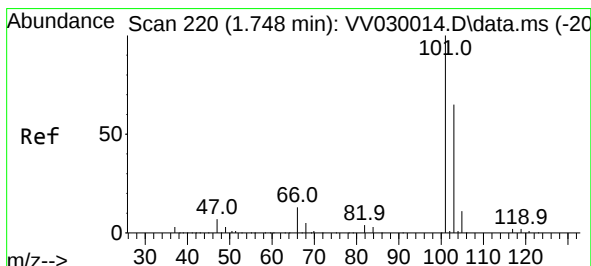
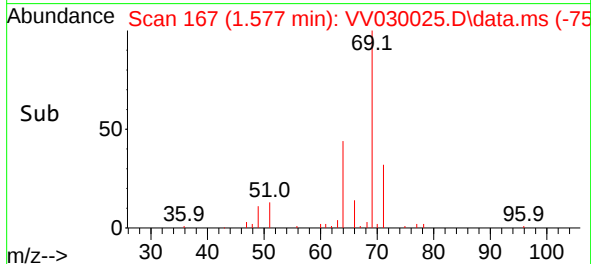
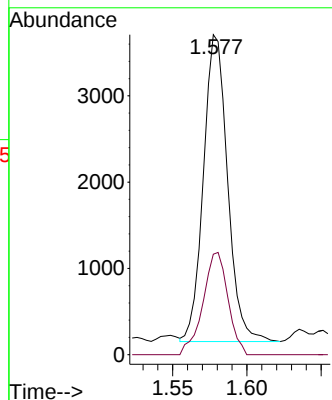
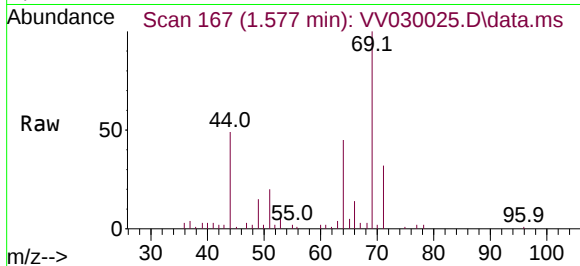
#8
Chloroethane
Concen: 0.267 ug/L
RT: 1.577 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Instrument :
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ClientSampleId :
MDL-WATER-QT1-2023-01

Tgt Ion: 64 Resp: 4020
Ion Ratio Lower Upper
64 100
66 31.4 22.9 42.5

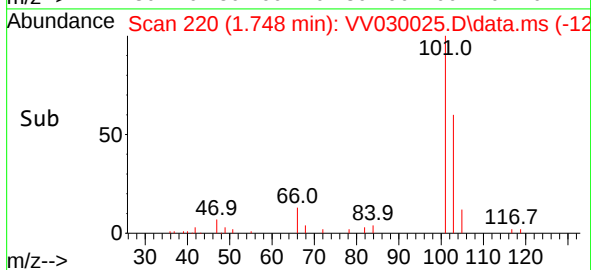
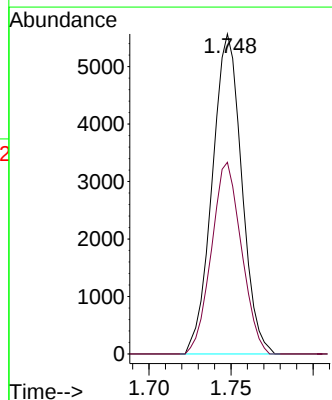
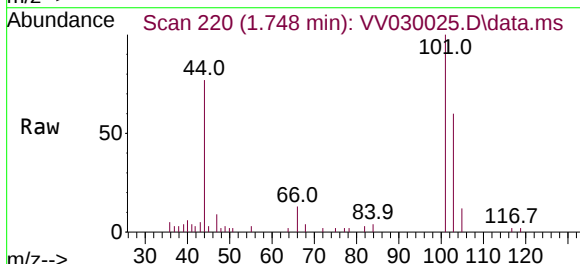
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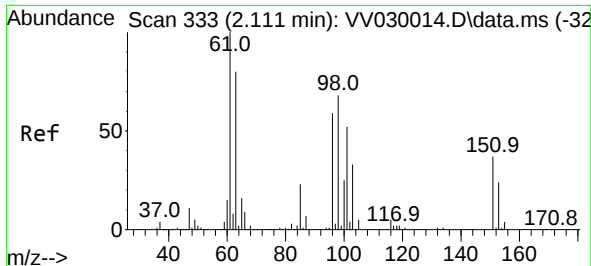
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023



#9
Trichlorofluoromethane
Concen: 0.213 ug/L
RT: 1.748 min Scan# 220
Delta R.T. -0.000 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Tgt Ion:101 Resp: 6950
Ion Ratio Lower Upper
101 100
103 60.9 51.8 77.8





#10

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

Concen: 0.283 ug/L

RT: 2.108 min Scan# 332

Delta R.T. -0.003 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-01

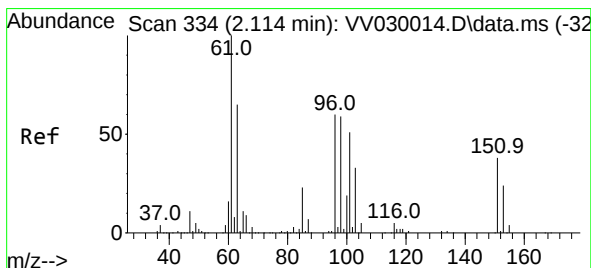
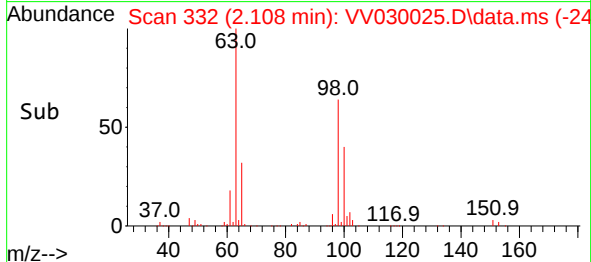
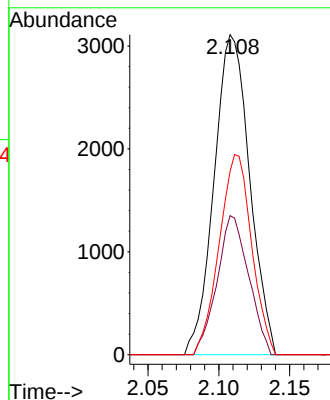
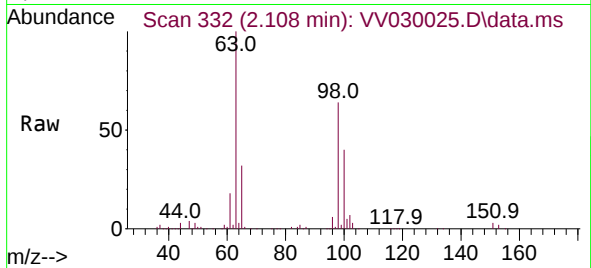
Tgt Ion:	101	Resp:	543
Ion Ratio	Lower	Upper	
101	100		
85	38.6	32.9	49.3
151	57.1	60.9	91.3

Manual Integrations

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Supervised By :Mahesh Dadoda 02/03/2023



#12

1,1-Dichloroethene

Concen: 0.240 ug/L

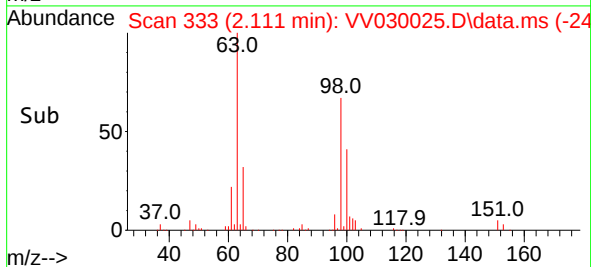
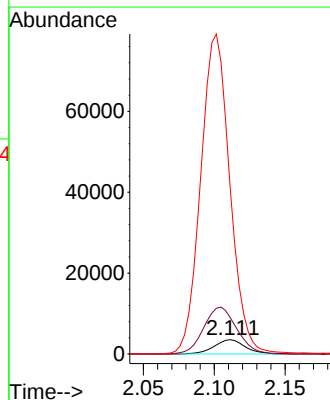
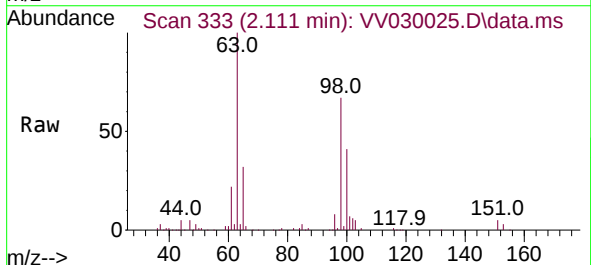
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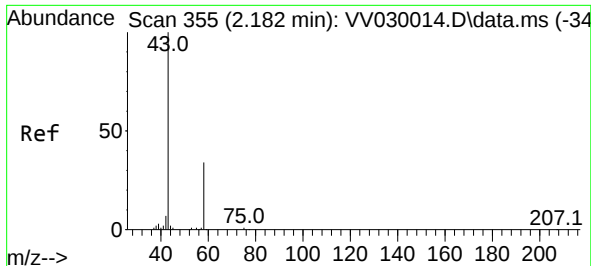
Delta R.T. -0.003 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

Tgt Ion:	96	Resp:	5293
Ion Ratio	Lower	Upper	
96	100		
61	258.5	106.1	197.1#
63	1189.8	76.4	141.8#





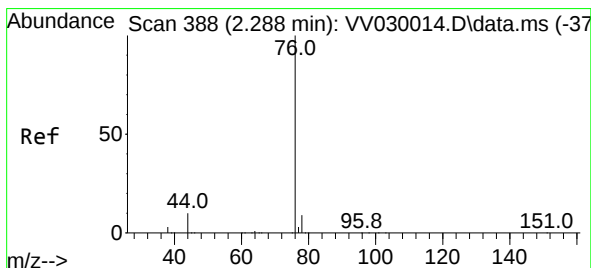
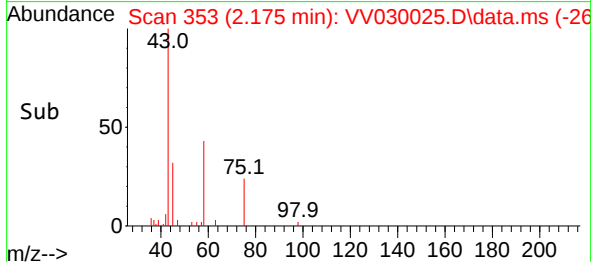
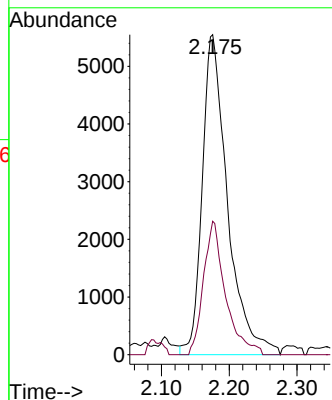
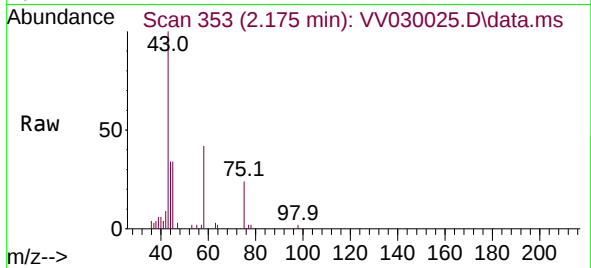
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Acetone
Concen: 5.792 ug/L
RT: 2.175 min Scan# 353
Delta R.T. -0.006 min
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Tgt Ion: 43 Resp: 1438
Ion Ratio Lower Upper
43 100
58 36.3 0.0 68.8

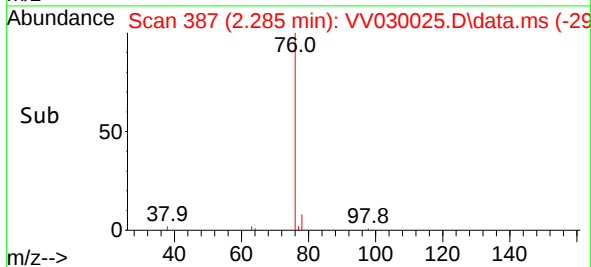
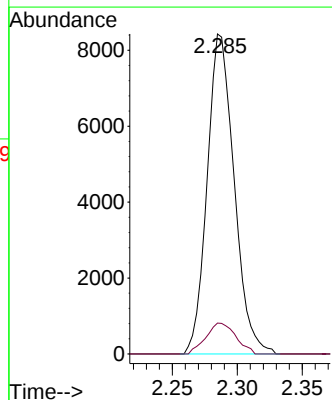
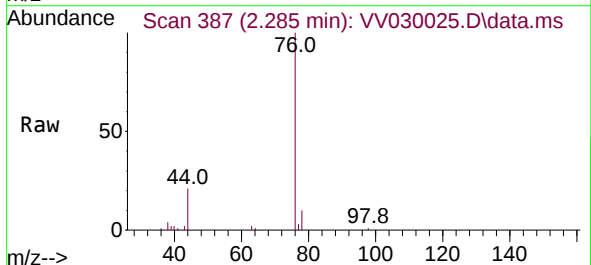
Manual Integrations
APPROVED

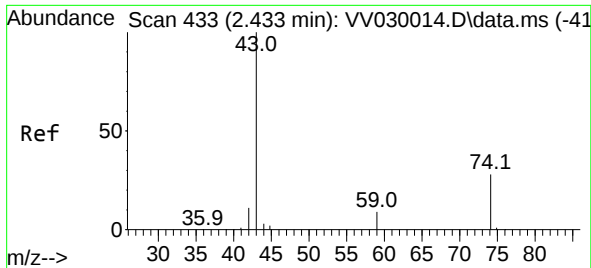
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023



#14
Carbon disulfide
Concen: 0.192 ug/L
RT: 2.285 min Scan# 387
Delta R.T. -0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

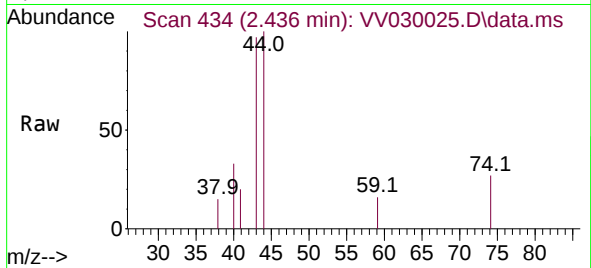
Tgt Ion: 76 Resp: 12187
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.0





#15
Methyl Acetate
Concen: 0.232 ug/L
RT: 2.436 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

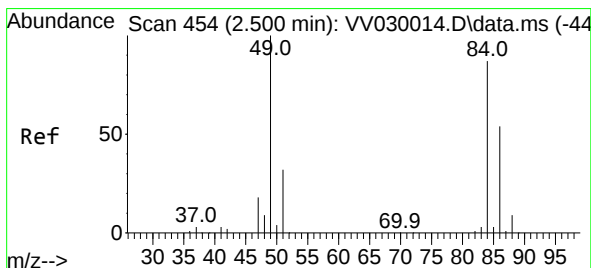
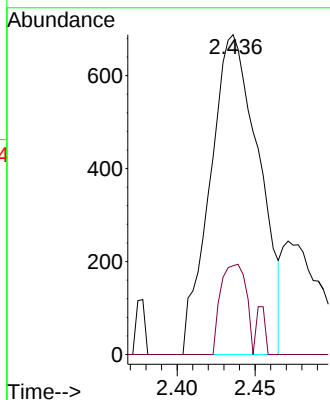
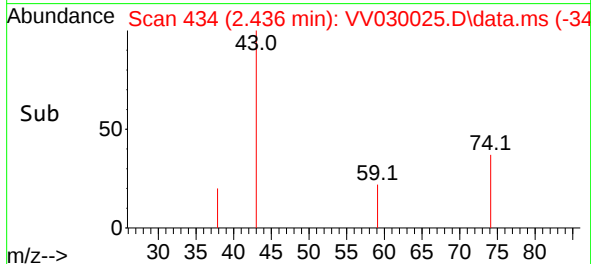
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01



Tgt Ion: 43 Resp: 150
Ion Ratio Lower Upper
43 100
74 14.6 23.4 35.0

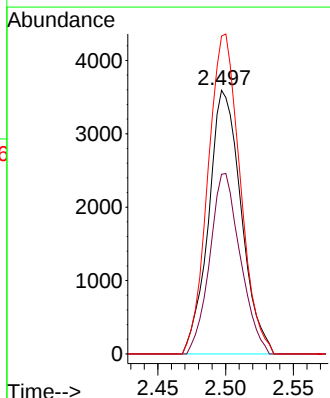
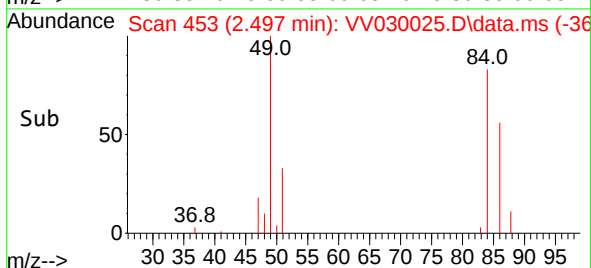
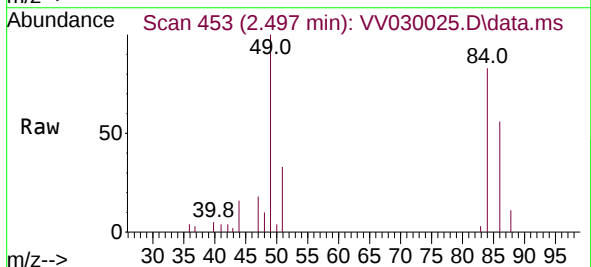
Manual Integrations
APPROVED

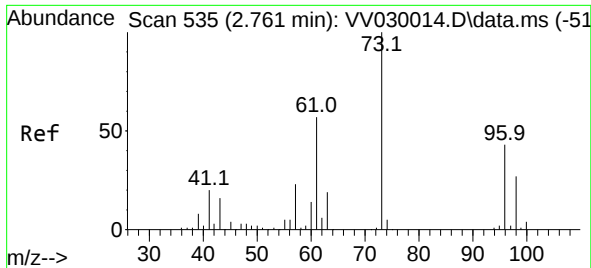
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023



#16
Methylene chloride
Concen: 0.219 ug/L
RT: 2.497 min Scan# 453
Delta R.T. -0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Tgt Ion: 84 Resp: 6006
Ion Ratio Lower Upper
84 100
86 68.1 45.0 83.6
49 120.6 71.5 132.7





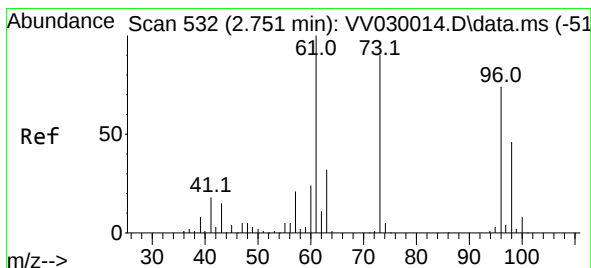
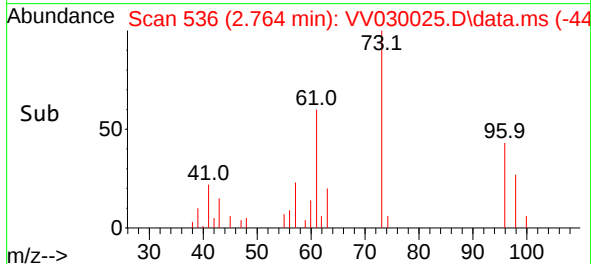
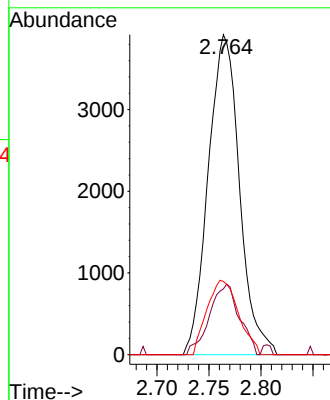
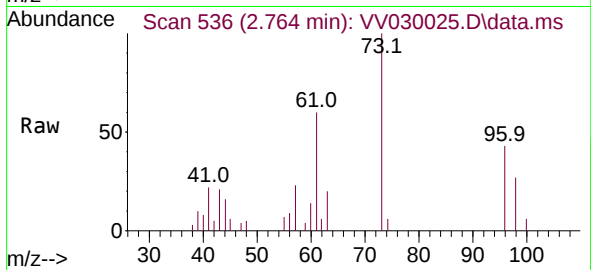
#17
Methyl tert-butyl Ether
Concen: 0.214 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01

Tgt Ion: 73 Resp: 817
Ion Ratio Lower Upper
73 100
43 21.1 13.0 19.4
57 23.5 17.1 25.7

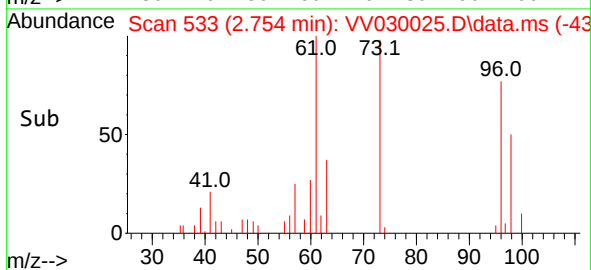
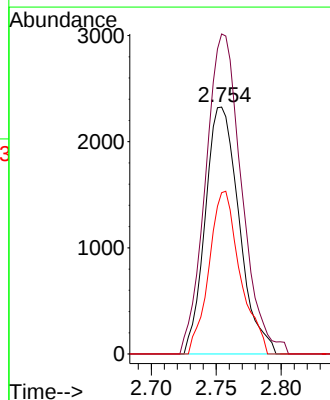
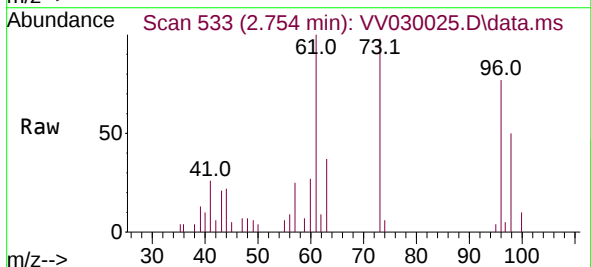
Manual Integrations
APPROVED

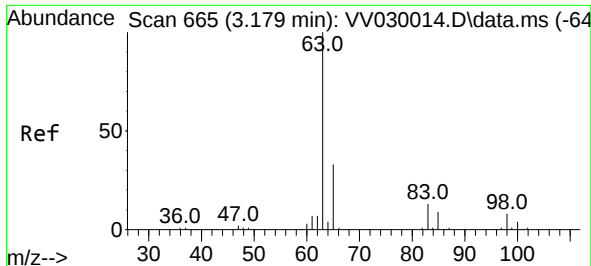
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023



#18
trans-1,2-Dichloroethene
Concen: 0.205 ug/L
RT: 2.754 min Scan# 533
Delta R.T. 0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

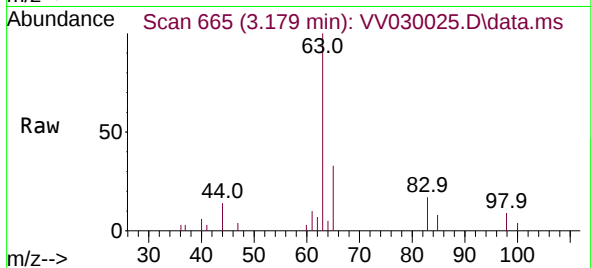
Tgt Ion: 96 Resp: 4221
Ion Ratio Lower Upper
96 100
61 129.6 86.1 159.9
98 65.3 43.9 81.5





#19
1,1-Dichloroethane
Concen: 0.243 ug/L
RT: 3.179 min Scan# 665
Delta R.T. -0.000 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

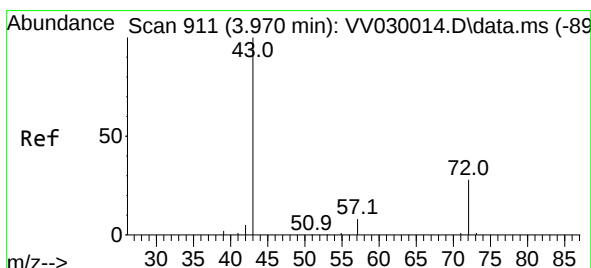
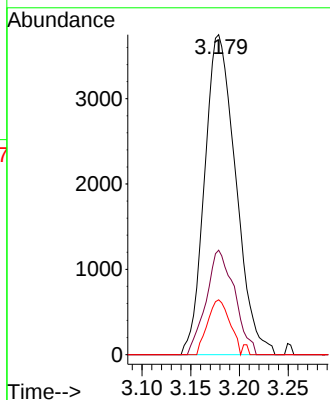
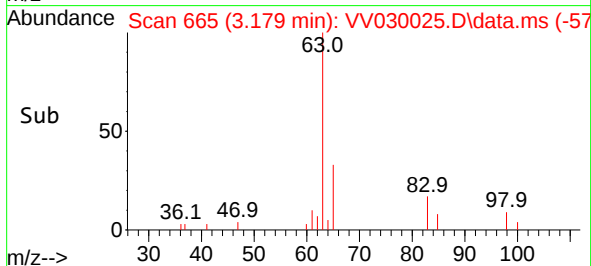
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01



Tgt Ion: 63 Resp: 8340
Ion Ratio Lower Upper
63 100
65 32.6 22.4 41.6
83 17.1 10.2 19.0

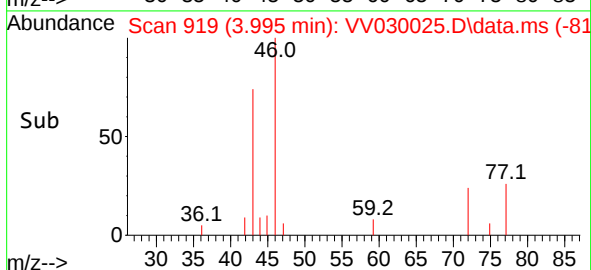
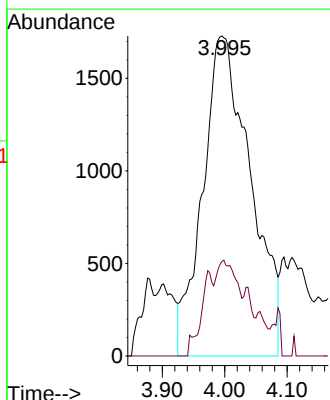
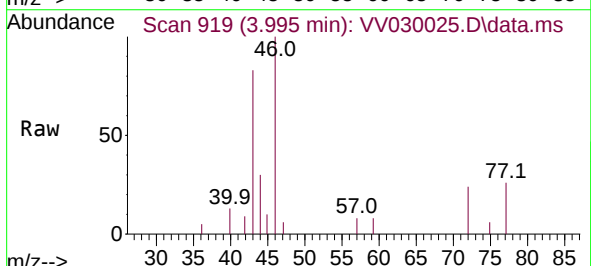
Manual Integrations
APPROVED

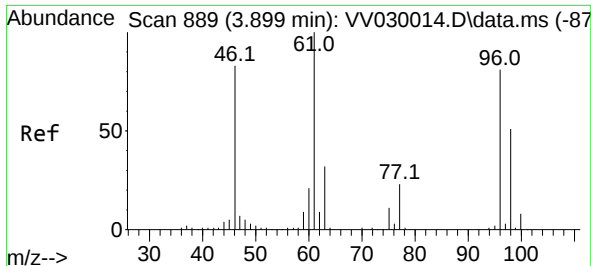
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023



#21
2-Butanone
Concen: 2.593 ug/L m
RT: 3.995 min Scan# 919
Delta R.T. 0.026 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Tgt Ion: 43 Resp: 9226
Ion Ratio Lower Upper
43 100
72 13.1 13.9 41.6#





#22

cis-1,2-Dichloroethene

Concen: 0.213 ug/L

RT: 3.902 min Scan# 890

Delta R.T. 0.003 min

Lab File: VV030025.D

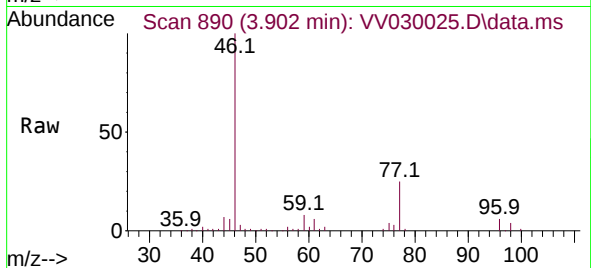
Acq: 02 Feb 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-01



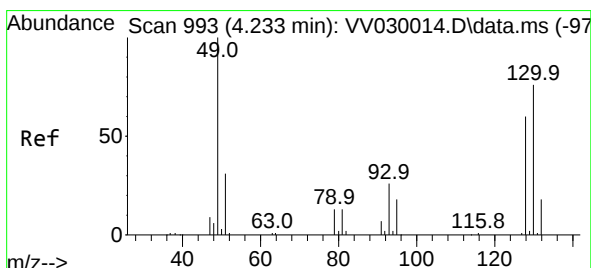
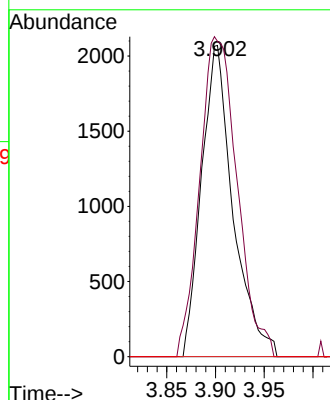
Tgt Ion:	96	Resp:	4658
Ion	Ratio	Lower	Upper
96	100		
61	101.4	80.0	148.6
68	0.0	0.0	0.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/03/2023

Supervised By :Mahesh Dadoda 02/03/2023



#23

Bromochloromethane

Concen: 0.213 ug/L

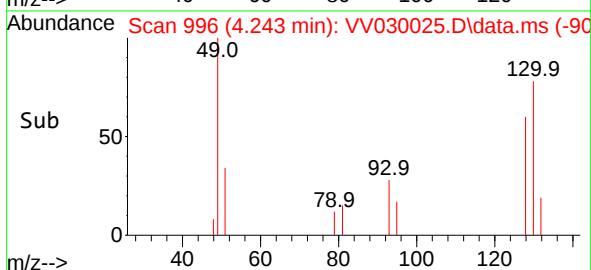
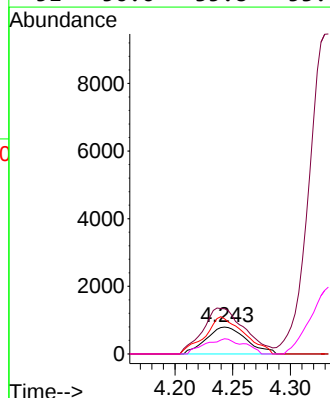
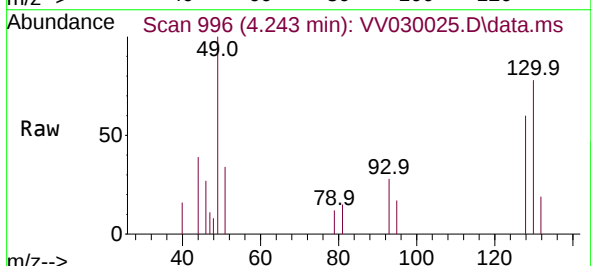
RT: 4.243 min Scan# 996

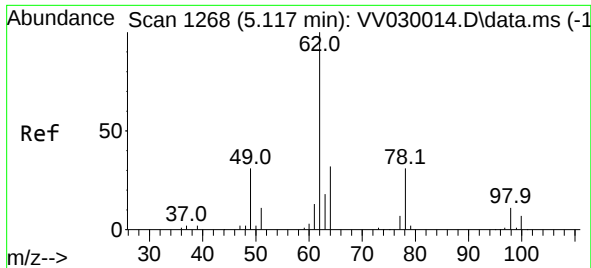
Delta R.T. 0.010 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

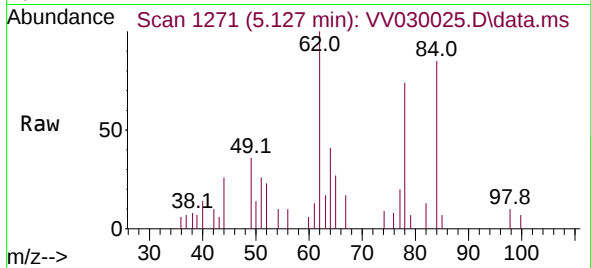
Tgt Ion:	128	Resp:	1923
Ion	Ratio	Lower	Upper
128	100		
49	167.5	91.2	169.4
130	131.2	87.0	161.6
51	56.6	35.8	53.6





#27
1,2-Dichloroethane
Concen: 0.235 ug/L
RT: 5.127 min Scan# 1107
Delta R.T. 0.010 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

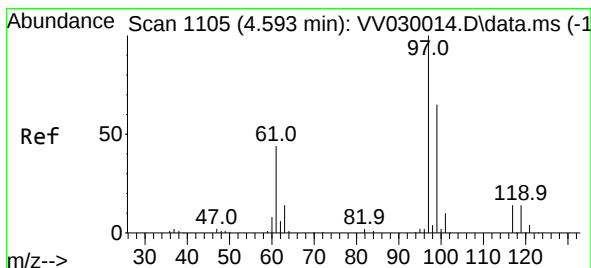
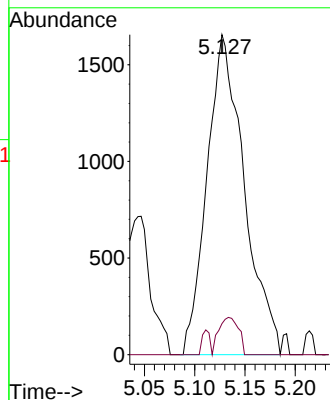
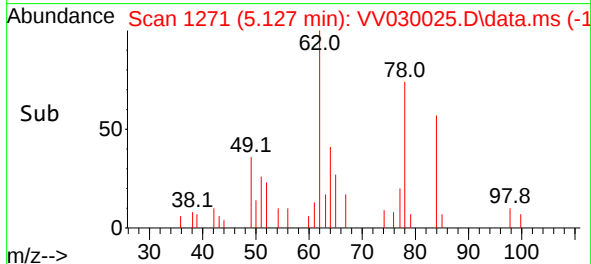
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01



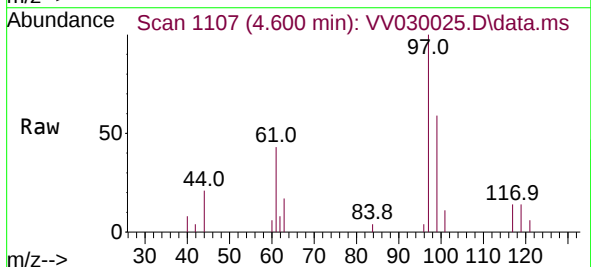
Tgt Ion: 62 Resp: 426
Ion Ratio Lower Upper
62 100
98 9.7 8.9 13.3

Manual Integrations
APPROVED

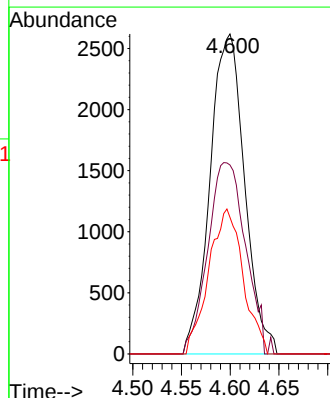
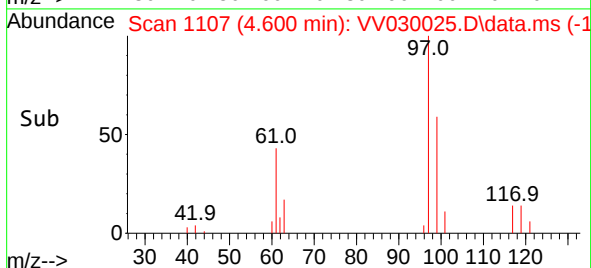
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023

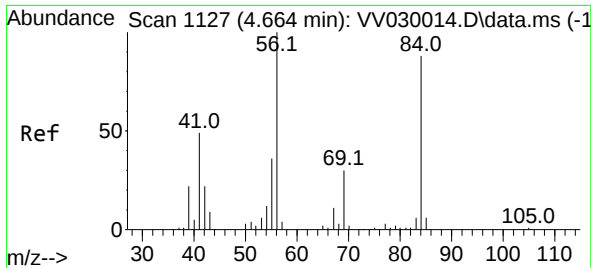


#29
1,1,1-Trichloroethane
Concen: 0.203 ug/L
RT: 4.600 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54



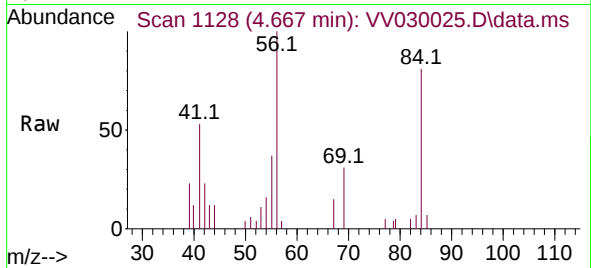
Tgt Ion: 97 Resp: 6459
Ion Ratio Lower Upper
97 100
99 65.0 51.3 76.9
61 45.1 31.6 47.4





#30
Cyclohexane
Concen: 0.261 ug/L
RT: 4.667 min Scan# 1127
Delta R.T. 0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

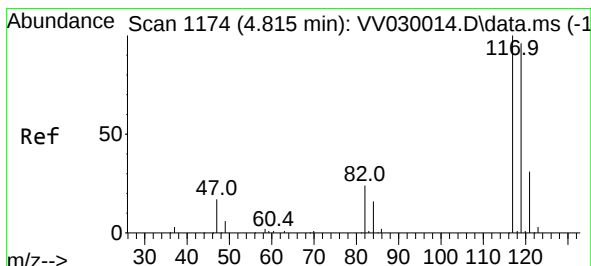
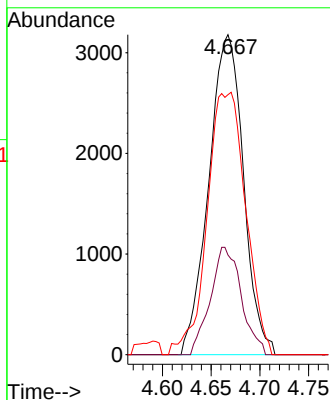
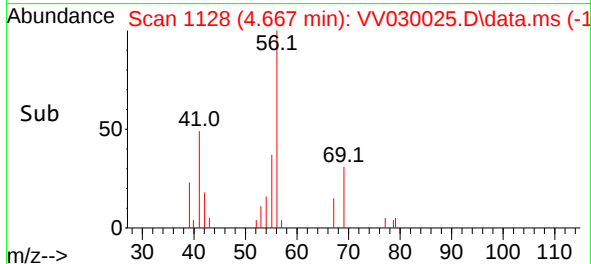
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01



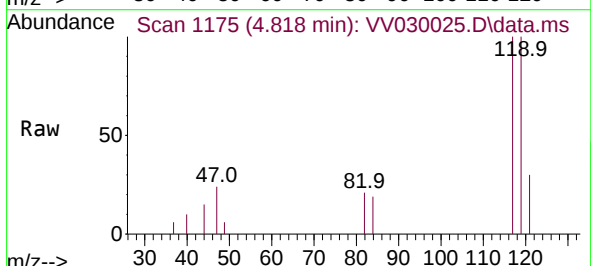
Tgt Ion: 56 Resp: 786
Ion Ratio Lower Upper
56 100
69 30.0 26.7 40.1
84 45.2 73.8 110.8

Manual Integrations
APPROVED

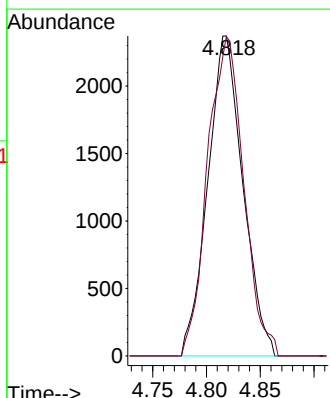
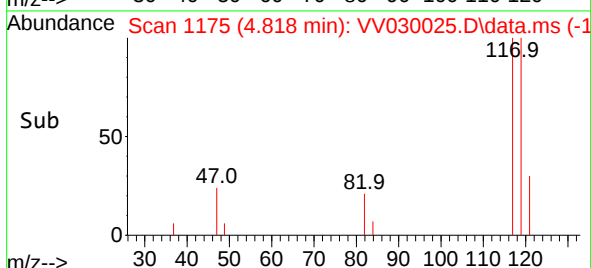
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023

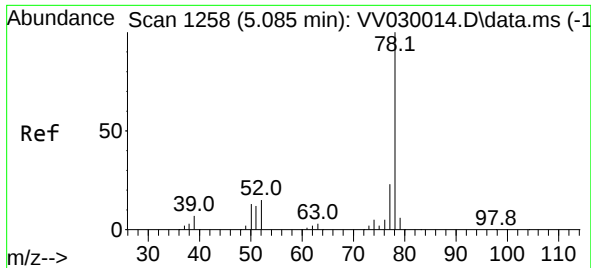


#31
Carbon tetrachloride
Concen: 0.194 ug/L
RT: 4.818 min Scan# 1175
Delta R.T. 0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54



Tgt Ion:117 Resp: 5373
Ion Ratio Lower Upper
117 100
119 102.8 76.6 114.8





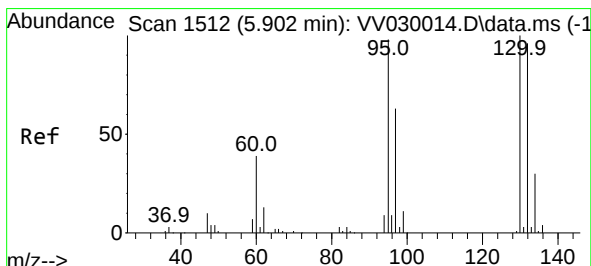
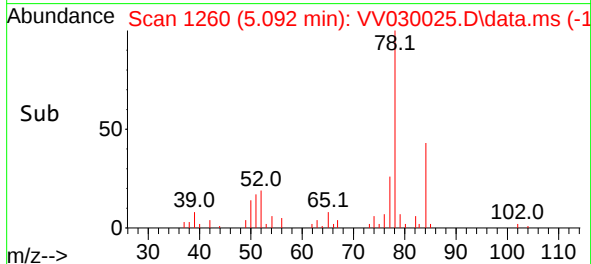
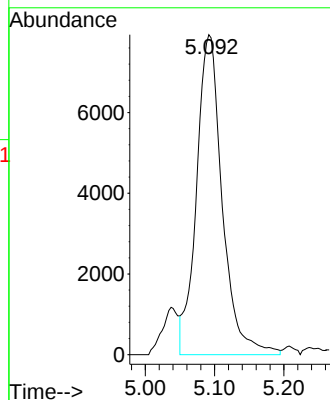
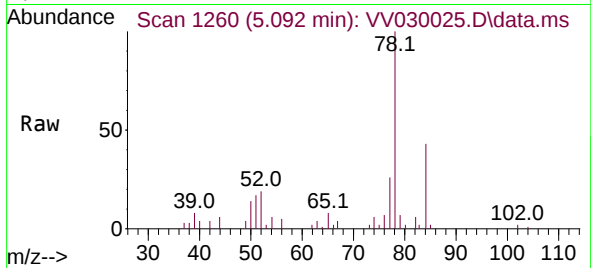
#33
Benzene
Concen: 0.253 ug/L
RT: 5.092 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01

Tgt Ion: 78 Resp: 2046

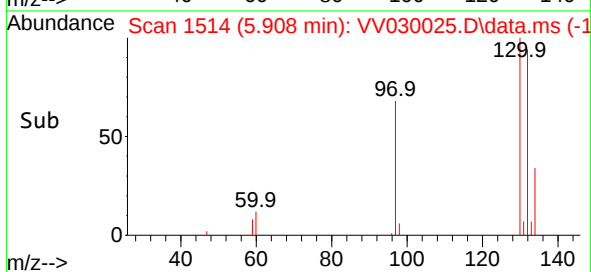
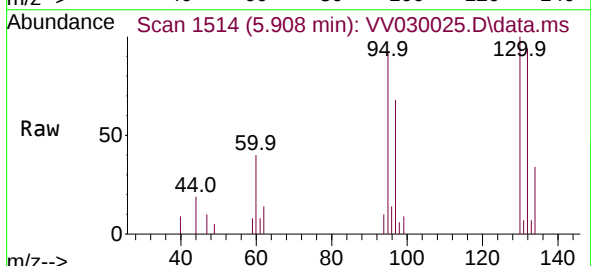
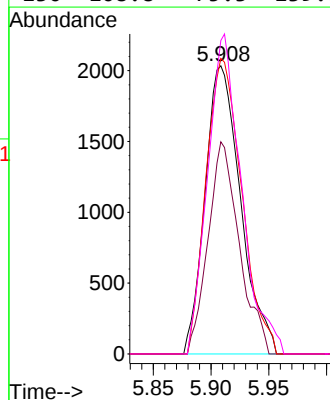
Manual Integrations
APPROVED

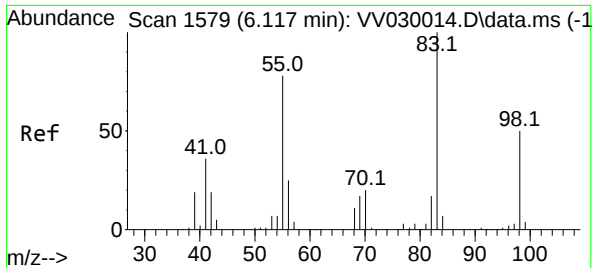
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023



#34
Trichloroethene
Concen: 0.212 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.006 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Tgt Ion: 95 Resp: 4357
Ion Ratio Lower Upper
95 100
97 73.6 44.9 83.3
132 102.6 71.8 133.4
130 108.8 75.3 139.8





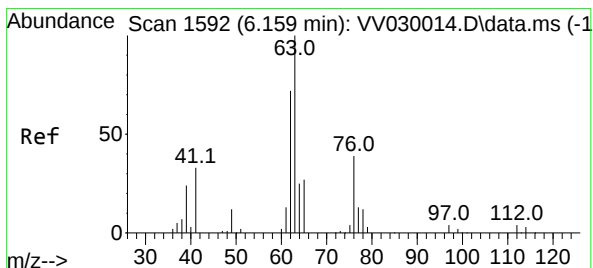
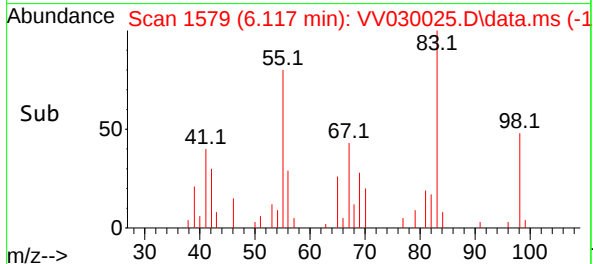
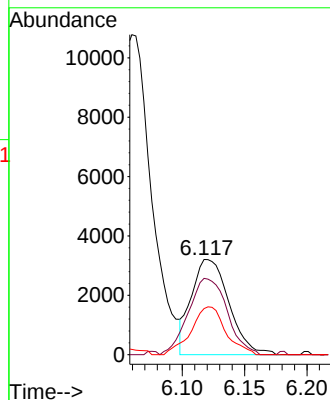
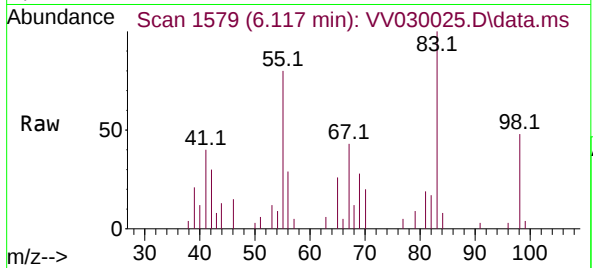
#35
Methylcyclohexane
Concen: 0.195 ug/L
RT: 6.117 min Scan# 1579
Delta R.T. -0.000 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT1-2023-01

Tgt Ion: 83 Resp: 6749
Ion Ratio Lower Upper
83 100
55 82.4 57.3 85.9
98 45.9 39.0 58.6

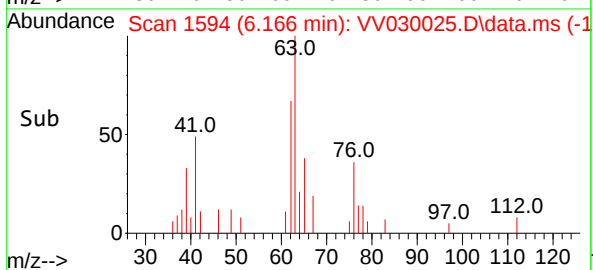
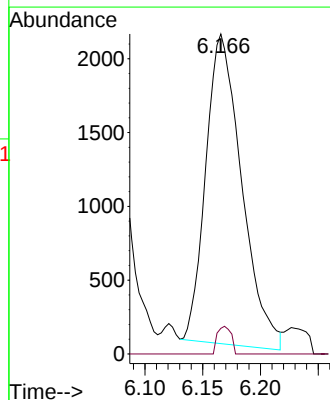
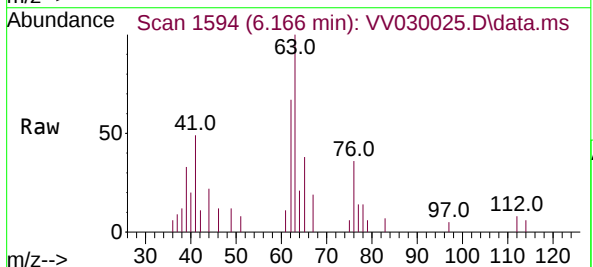
Manual Integrations
APPROVED

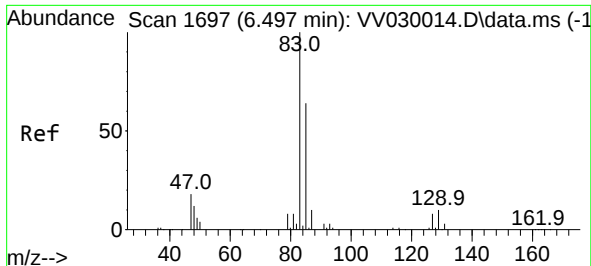
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023



#37
1,2-Dichloropropane
Concen: 0.239 ug/L
RT: 6.166 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Tgt Ion: 63 Resp: 4531
Ion Ratio Lower Upper
63 100
112 3.4 3.9 5.9





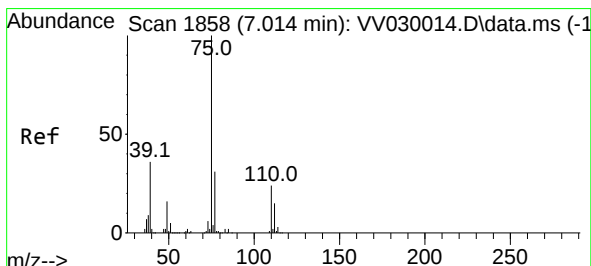
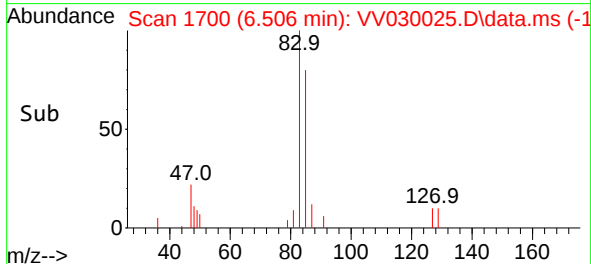
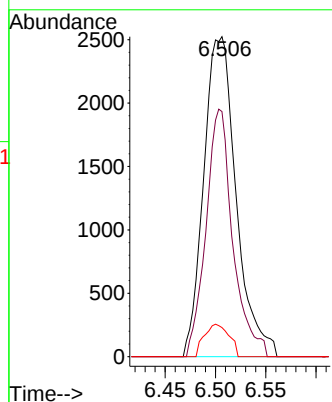
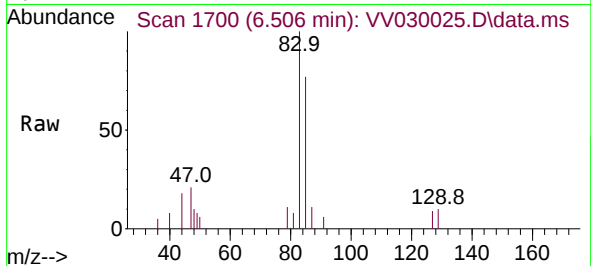
#38
Bromodichloromethane
Concen: 0.231 ug/L
RT: 6.506 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01

Tgt Ion: 83 Resp: 566
Ion Ratio Lower Upper
83 100
85 76.6 43.2 80.2
127 9.1 7.0 10.6

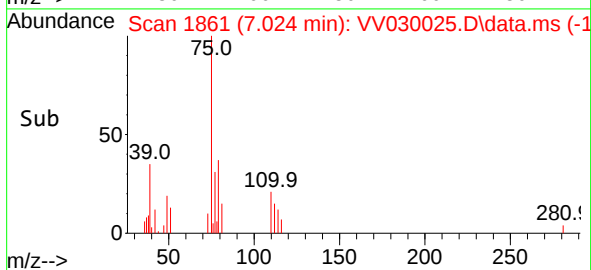
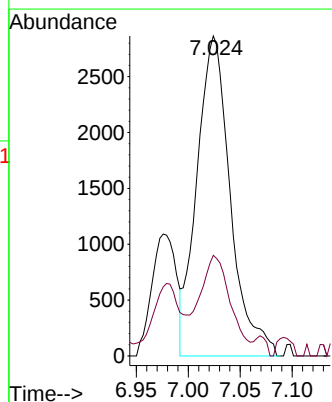
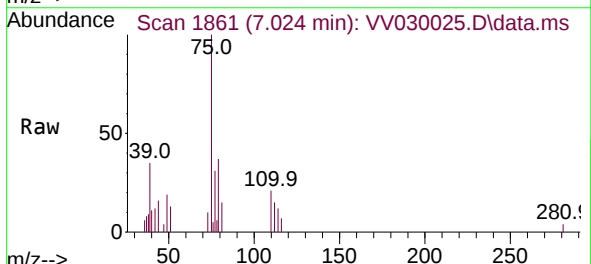
Manual Integrations
APPROVED

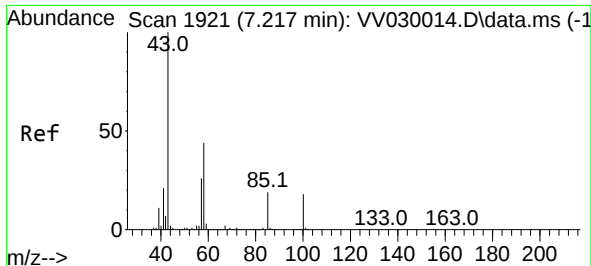
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023



#39
cis-1,3-Dichloropropene
Concen: 0.252 ug/L
RT: 7.024 min Scan# 1861
Delta R.T. 0.010 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Tgt Ion: 75 Resp: 6419
Ion Ratio Lower Upper
75 100
77 31.5 22.4 41.6





#40

4-Methyl-2-pentanone

Concen: 2.079 ug/L

RT: 7.227 min Scan# 1921

Delta R.T. 0.010 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-01

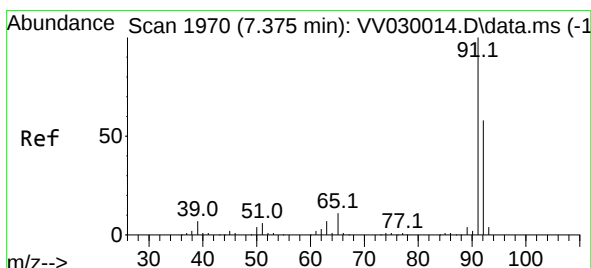
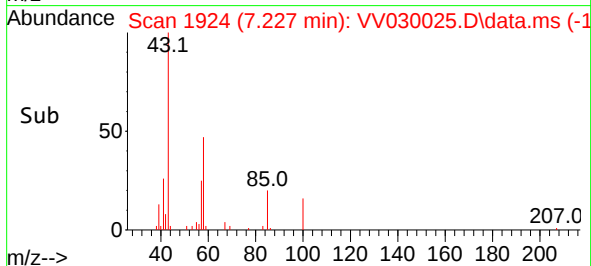
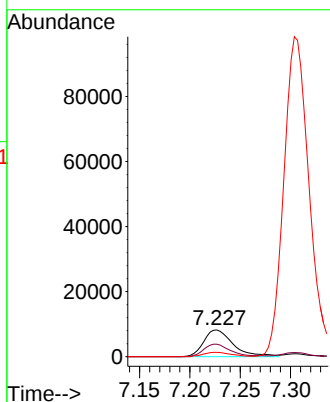
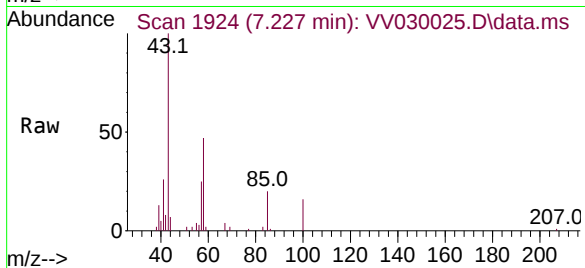
Tgt Ion: 43	Resp: 1682
Ion Ratio	Lower Upper
43	100
58	43.5 36.7 55.1
100	0.0 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/03/2023

Supervised By :Mahesh Dadoda 02/03/2023



#42

Toluene

Concen: 0.251 ug/L

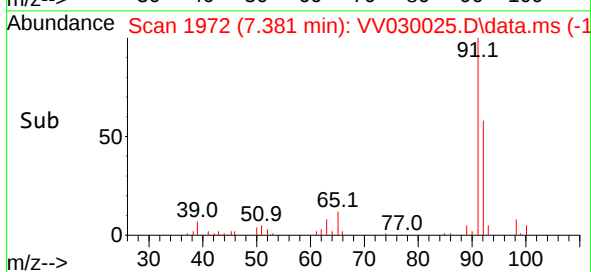
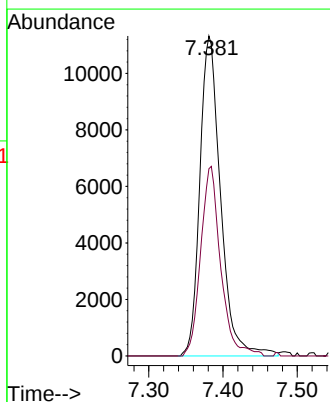
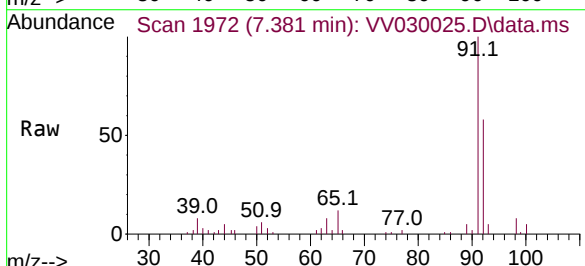
RT: 7.381 min Scan# 1972

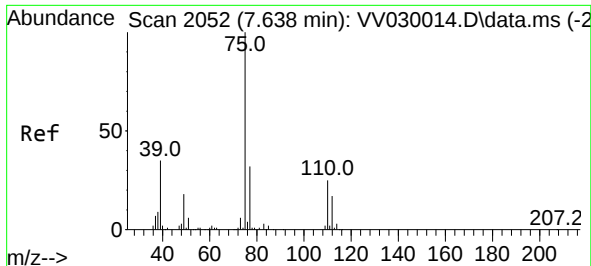
Delta R.T. 0.006 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

Tgt Ion: 91	Resp: 21951
Ion Ratio	Lower Upper
91	100
92	58.5 40.6 75.4





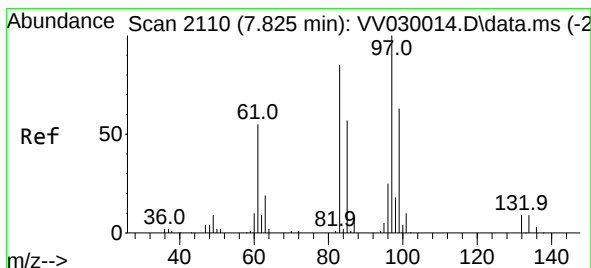
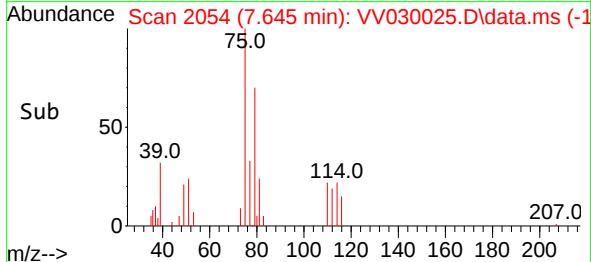
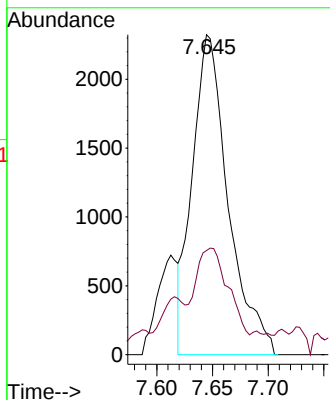
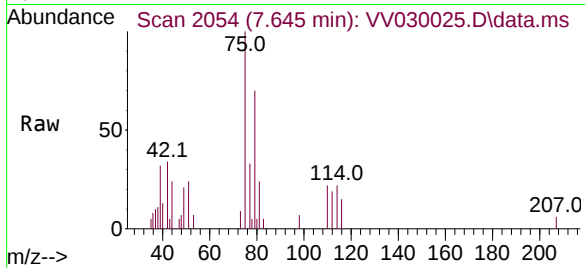
#44
trans-1,3-Dichloropropene
Concen: 0.255 ug/L
RT: 7.645 min Scan# 2054
Delta R.T. 0.006 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01

Tgt Ion: 75 Resp: 522
Ion Ratio Lower Upper
75 100
77 32.5 21.9 40.7

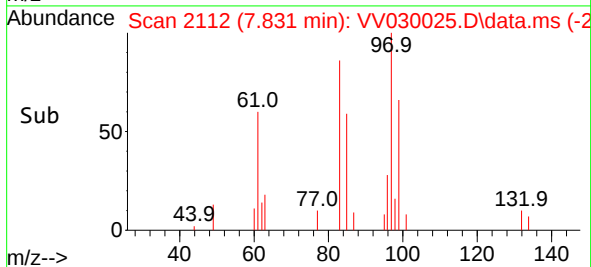
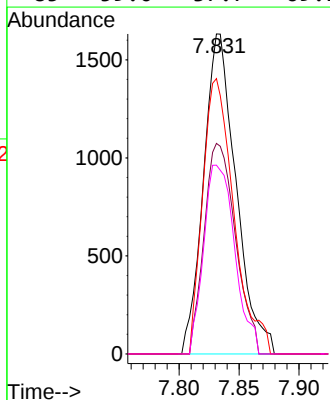
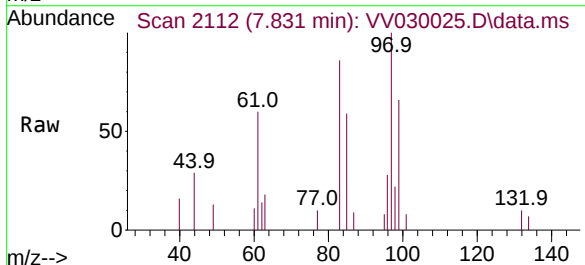
Manual Integrations
APPROVED

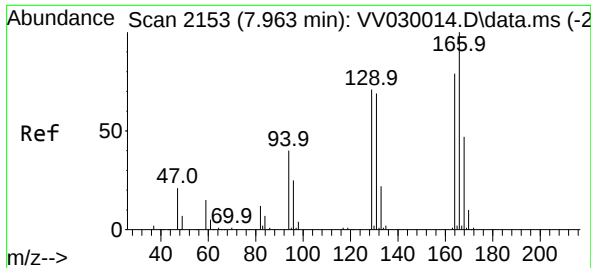
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023



#45
1,1,2-Trichloroethane
Concen: 0.225 ug/L
RT: 7.831 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

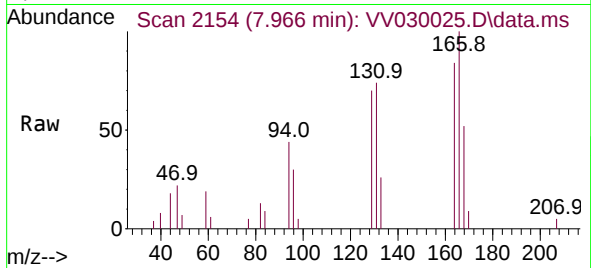
Tgt Ion: 97 Resp: 3075
Ion Ratio Lower Upper
97 100
99 65.8 41.9 77.7
83 86.0 58.7 109.1
85 59.0 37.7 69.9





#47
Tetrachloroethene
Concen: 0.219 ug/L
RT: 7.966 min Scan# 2153
Delta R.T. 0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

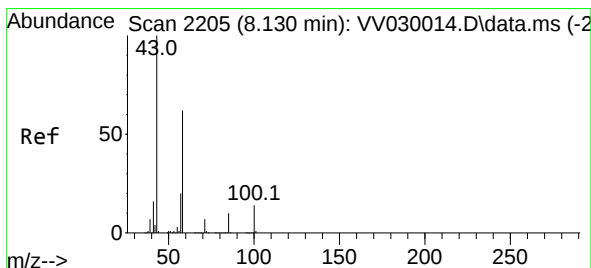
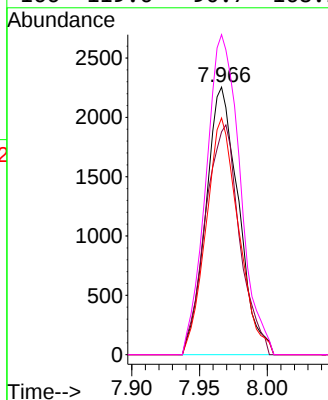
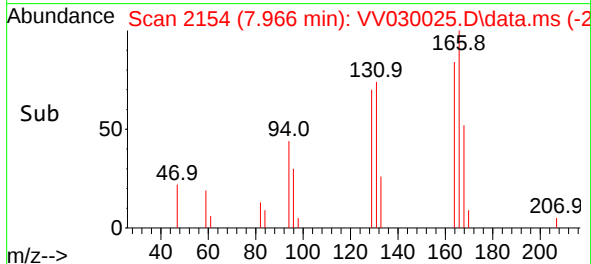
Instrument : MSVOA_V
ClientSampleId : VV030025.D
MDL-WATER-QT1-2023-01



Tgt Ion:164 Resp: 378
Ion Ratio Lower Upper
164 100
129 83.3 64.5 119.7
131 88.4 62.9 116.7
166 119.6 90.7 168.5

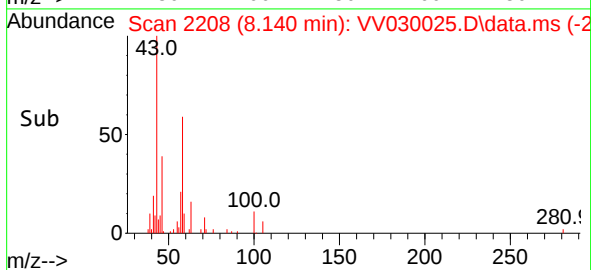
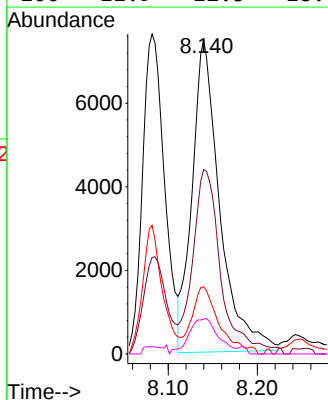
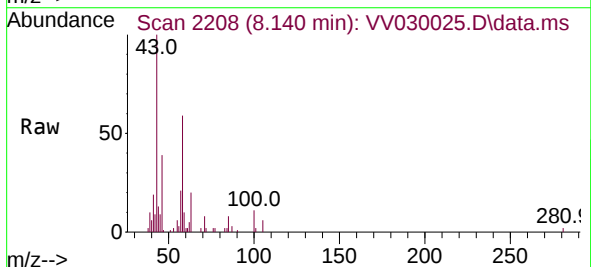
Manual Integrations
APPROVED

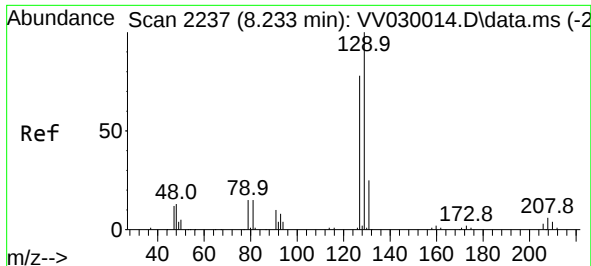
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023



#48
2-Hexanone
Concen: 2.802 ug/L
RT: 8.140 min Scan# 2208
Delta R.T. 0.010 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Tgt Ion: 43 Resp: 16206
Ion Ratio Lower Upper
43 100
58 59.9 51.4 77.2
57 18.0 17.0 25.6
100 11.9 12.5 18.7#





#49

Dibromochloromethane

Concen: 0.213 ug/L

RT: 8.236 min Scan# 2237

Delta R.T. 0.003 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-01

Tgt Ion:129 Resp: 3410

Ion Ratio Lower Upper

129 100

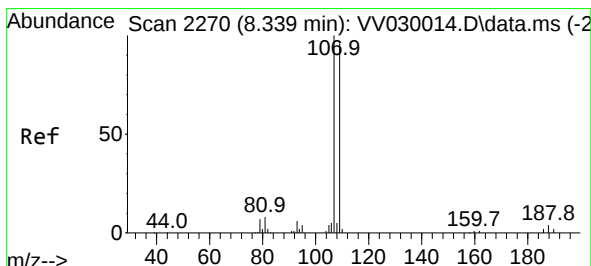
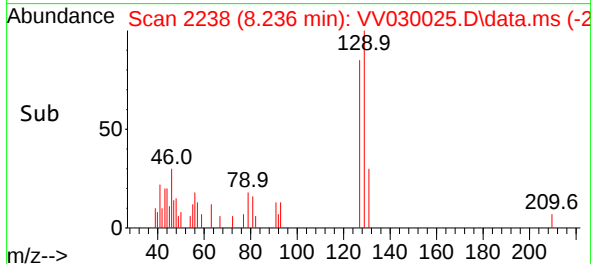
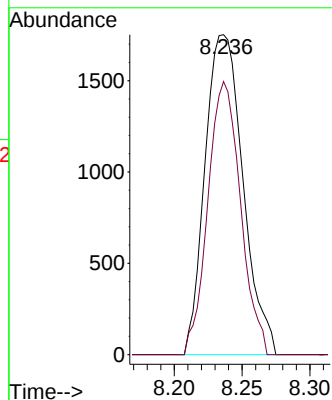
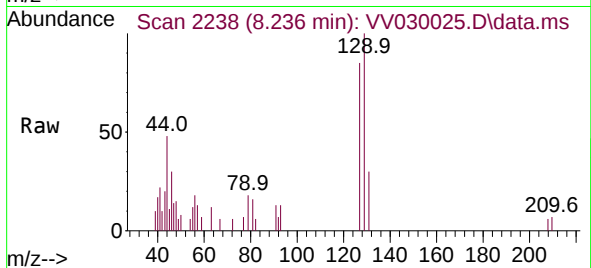
127 85.3 54.1 100.5

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/03/2023

Supervised By :Mahesh Dadoda 02/03/2023



#50

1,2-Dibromoethane

Concen: 0.219 ug/L

RT: 8.346 min Scan# 2272

Delta R.T. 0.006 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

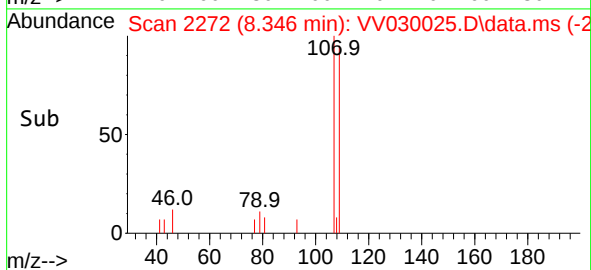
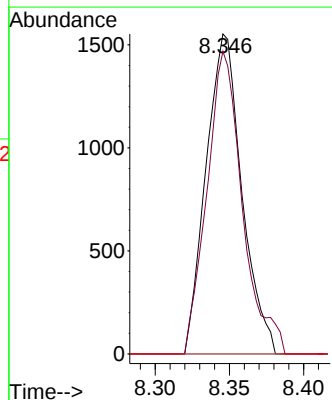
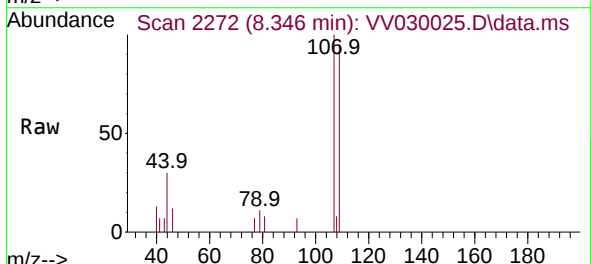
Tgt Ion:107 Resp: 2599

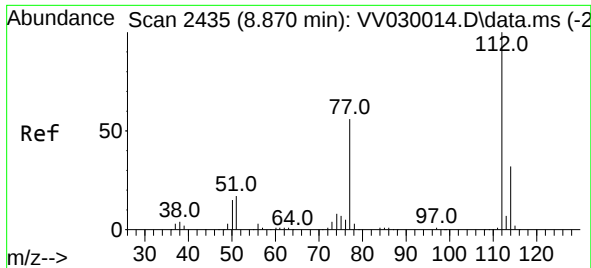
Ion Ratio Lower Upper

107 100

109 94.6 66.1 122.7

188 0.0 2.9 4.3#





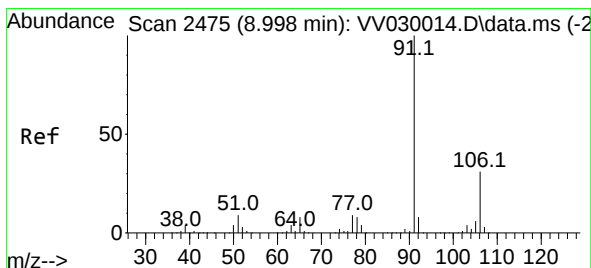
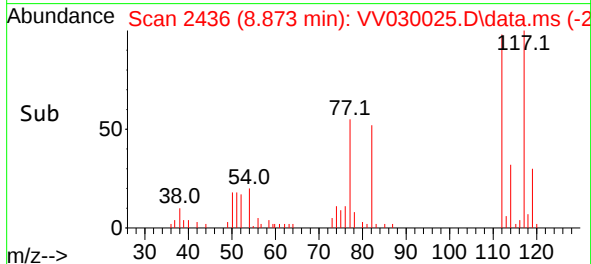
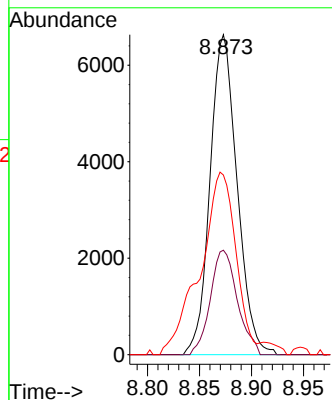
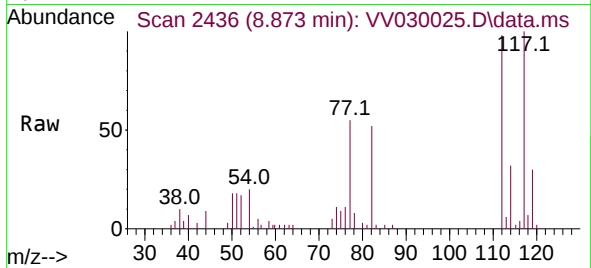
#51
Chlorobenzene
Concen: 0.217 ug/L
RT: 8.873 min Scan# 2435
Delta R.T. 0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT1-2023-01

Tgt Ion: 112 Resp: 12020
Ion Ratio Lower Upper
112 100
114 32.6 22.5 41.9
77 56.2 46.1 69.1

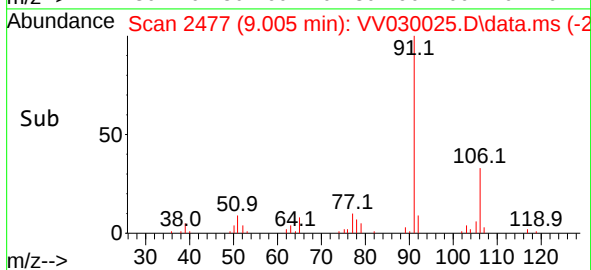
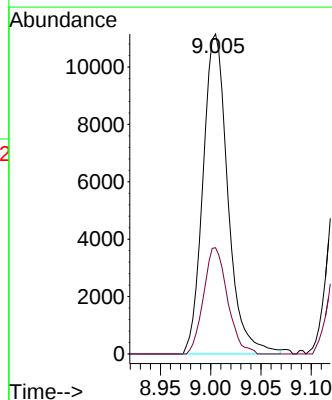
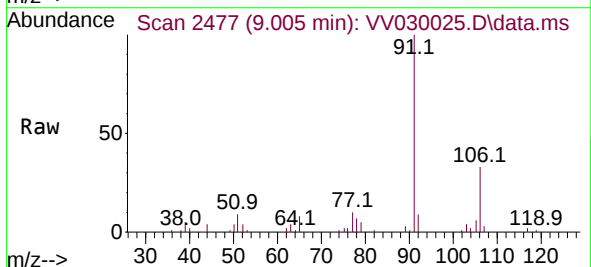
Manual Integrations
APPROVED

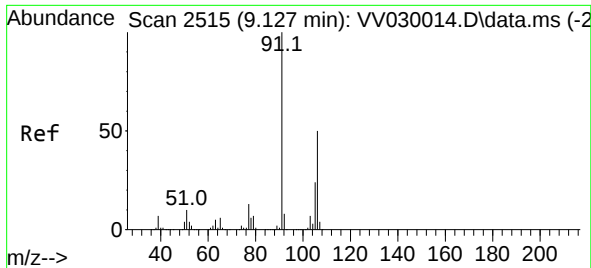
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023



#52
Ethylbenzene
Concen: 0.210 ug/L
RT: 9.005 min Scan# 2477
Delta R.T. 0.006 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Tgt Ion: 91 Resp: 19197
Ion Ratio Lower Upper
91 100
106 33.2 21.9 40.7





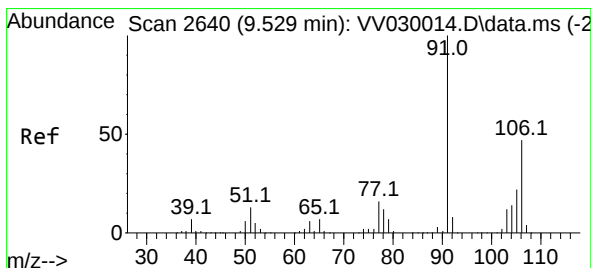
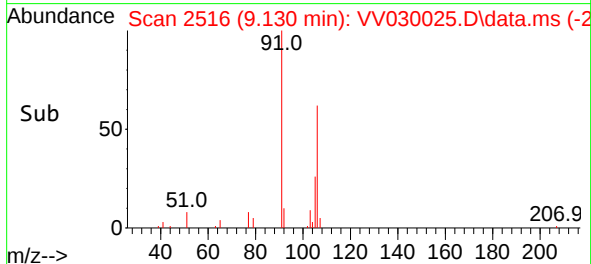
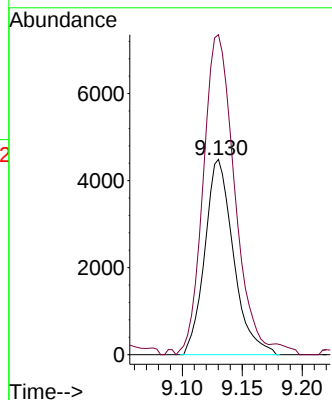
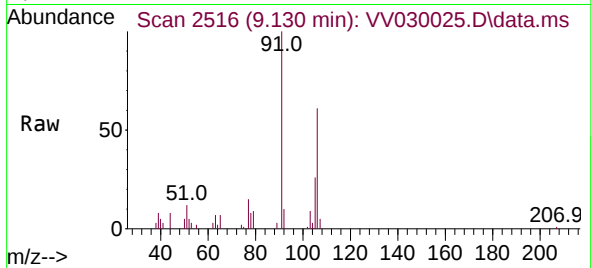
#53
m,p-Xylene
Concen: 0.206 ug/L
RT: 9.130 min Scan# 2515
Delta R.T. 0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01

Tgt Ion:106 Resp: 745
Ion Ratio Lower Upper
106 100
91 163.9 138.7 257.7

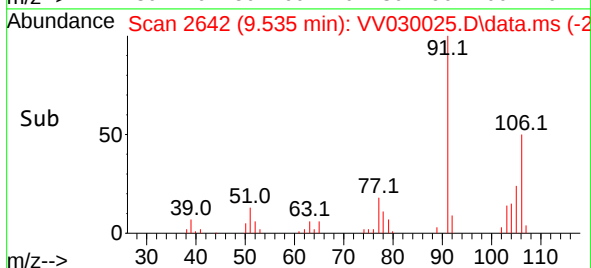
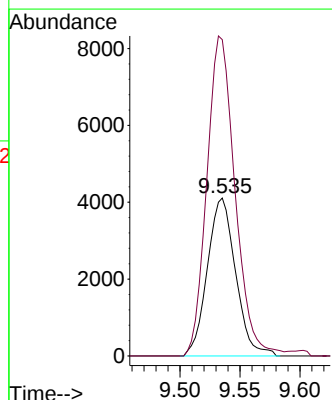
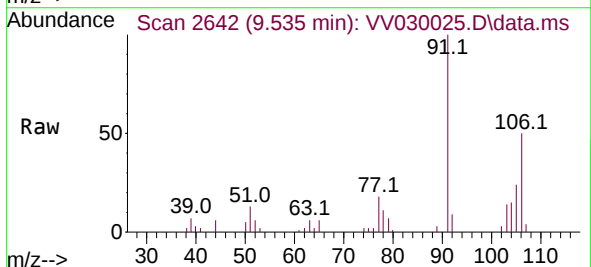
Manual Integrations
APPROVED

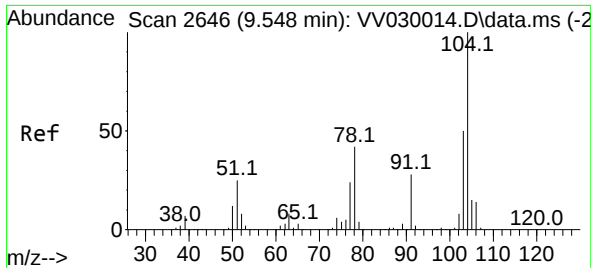
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023



#54
o-Xylene
Concen: 0.196 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.006 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Tgt Ion:106 Resp: 6728
Ion Ratio Lower Upper
106 100
91 200.3 147.7 274.3





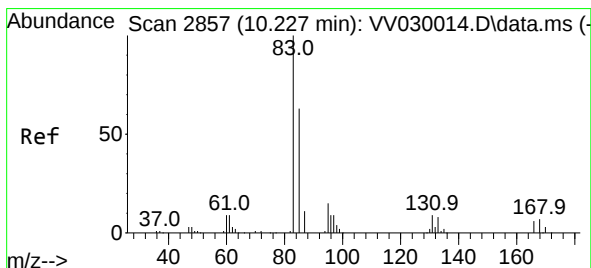
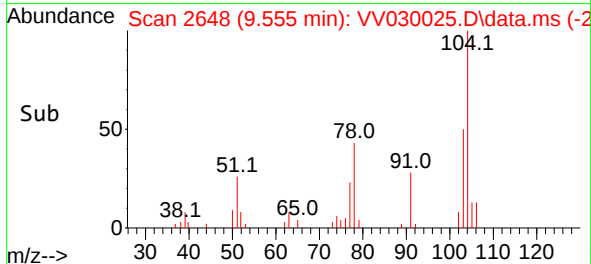
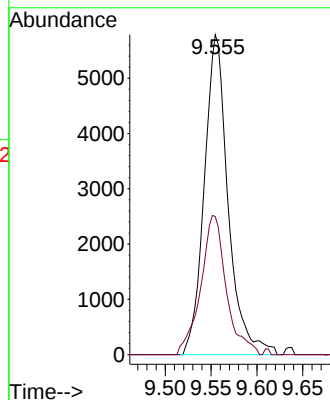
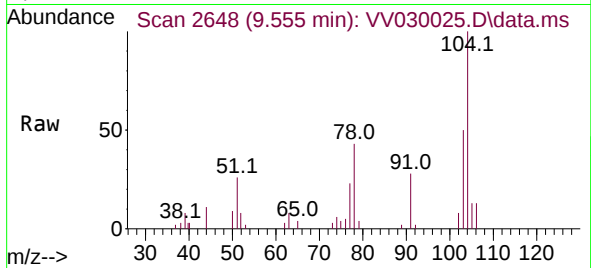
#55
Styrene
Concen: 0.177 ug/L
RT: 9.555 min Scan# 2648
Delta R.T. 0.006 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01

Tgt Ion:104 Resp: 1046
Ion Ratio Lower Upper
104 100
78 43.2 28.6 53.2

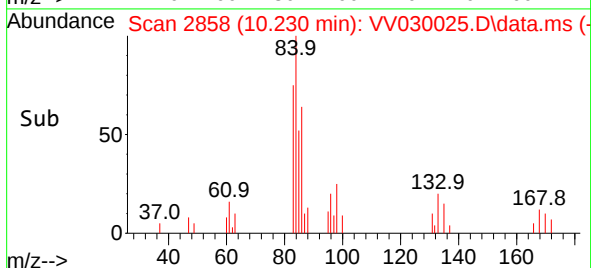
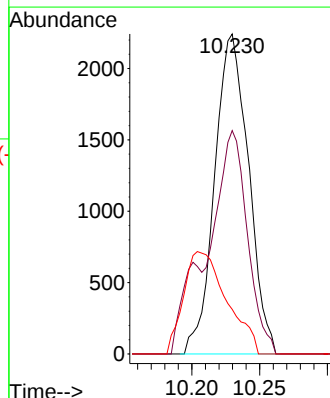
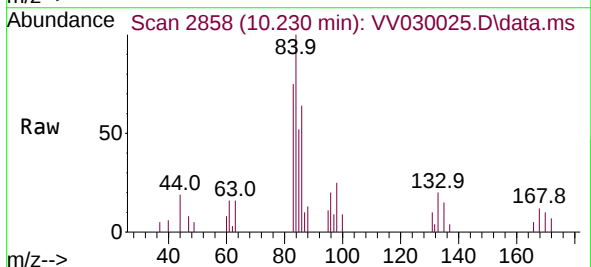
Manual Integrations
APPROVED

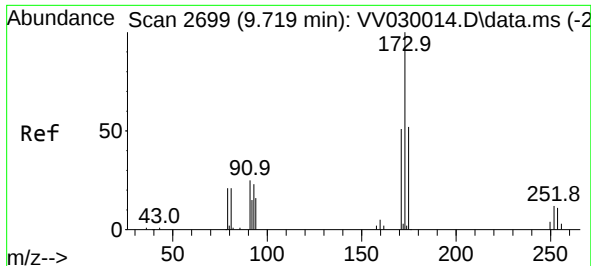
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023



#57
1,1,2,2-Tetrachloroethane
Concen: 0.257 ug/L
RT: 10.230 min Scan# 2858
Delta R.T. 0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

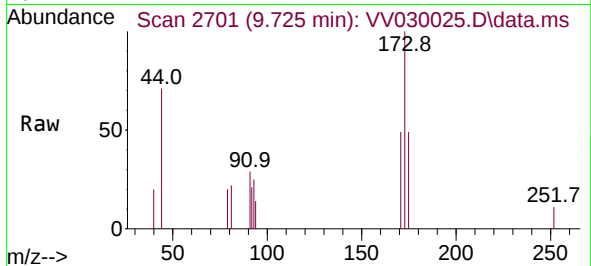
Tgt Ion: 83 Resp: 3897
Ion Ratio Lower Upper
83 100
85 69.8 46.0 85.4
131 14.0 8.4 12.6





#59
Bromoform
Concen: 0.219 ug/L
RT: 9.725 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

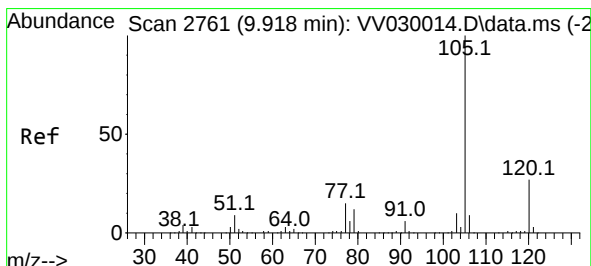
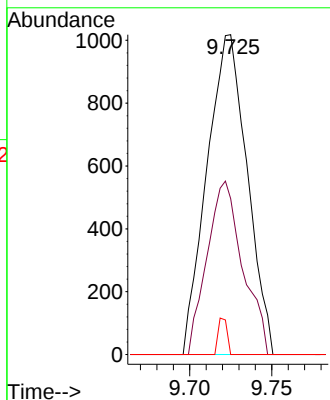
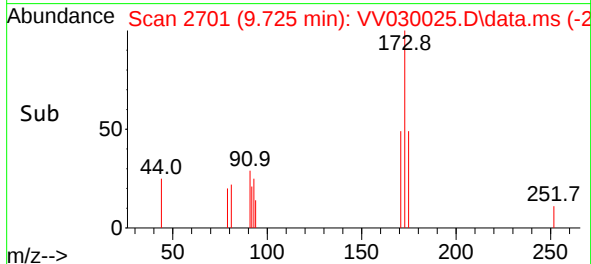
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01



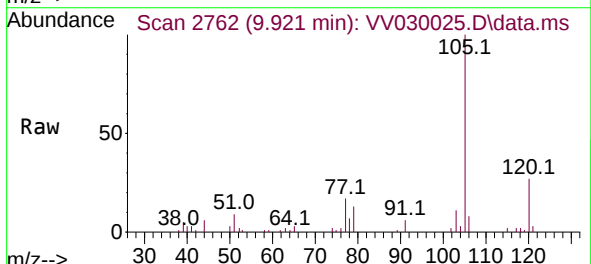
Tgt Ion:173 Resp: 173
Ion Ratio Lower Upper
173 100
175 48.2 38.6 57.8
254 2.5 7.9 11.9

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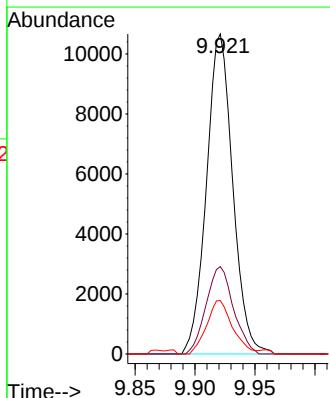
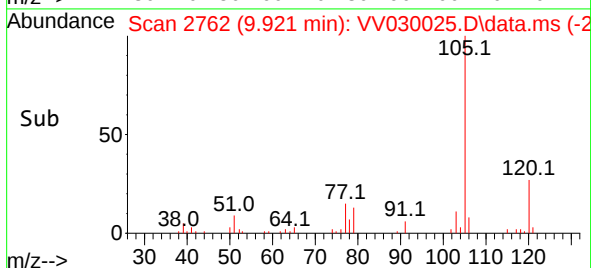
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023

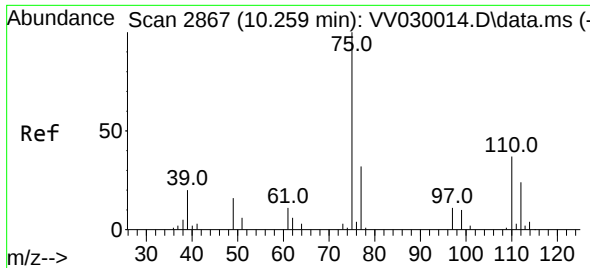


#60
Isopropylbenzene
Concen: 0.208 ug/L
RT: 9.921 min Scan# 2762
Delta R.T. 0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54



Tgt Ion:105 Resp: 16245
Ion Ratio Lower Upper
105 100
120 28.4 21.2 31.8
77 16.4 11.8 17.8





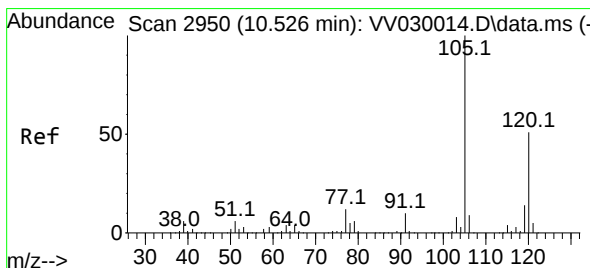
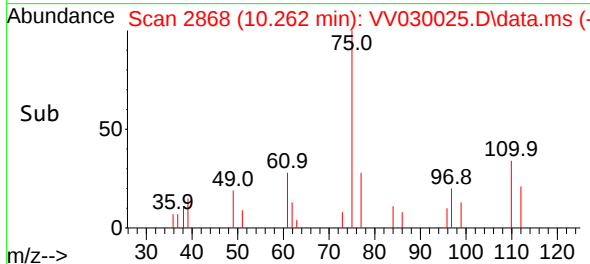
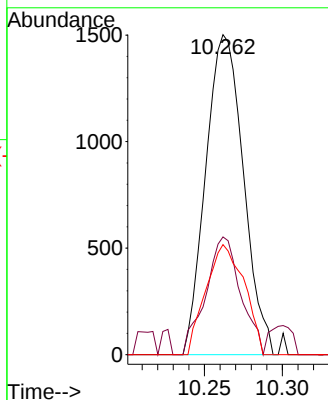
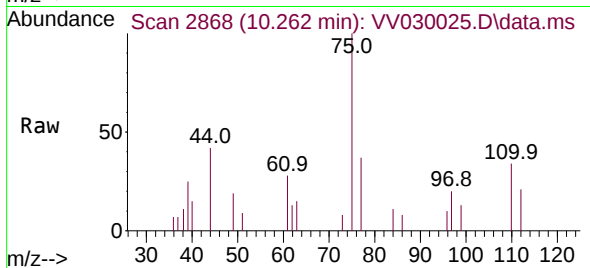
#61
1,2,3-Trichloropropane
Concen: 0.280 ug/L
RT: 10.262 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01

Tgt Ion: 75 Resp: 2524
Ion Ratio Lower Upper
75 100
77 34.3 26.5 39.7
110 35.0 31.8 47.8

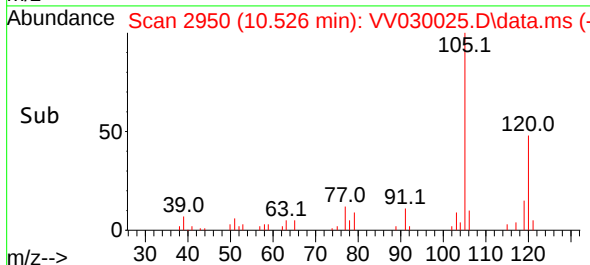
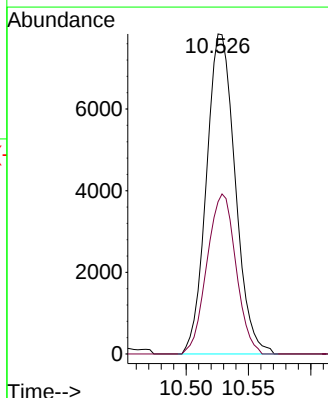
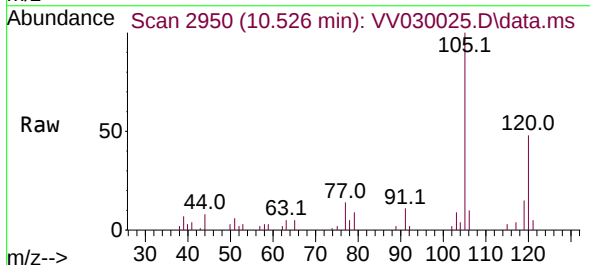
Manual Integrations
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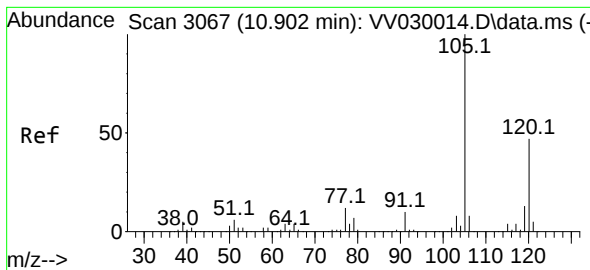
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023



#62
1,3,5-Trimethylbenzene
Concen: 0.189 ug/L
RT: 10.526 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Tgt Ion:105 Resp: 12599
Ion Ratio Lower Upper
105 100
120 50.3 40.1 60.1





#63

1,2,4-Trimethylbenzene

Concen: 0.203 ug/L

RT: 10.902 min Scan# 3067

Delta R.T. -0.000 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-01

Tgt Ion:105 Resp: 13524

Ion Ratio Lower Upper

105 100

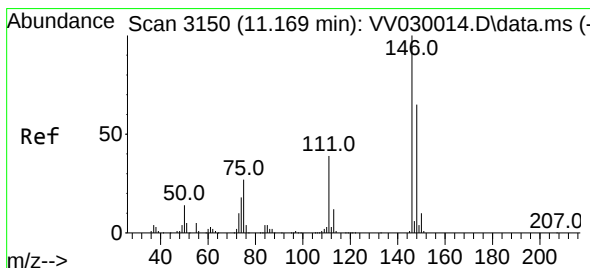
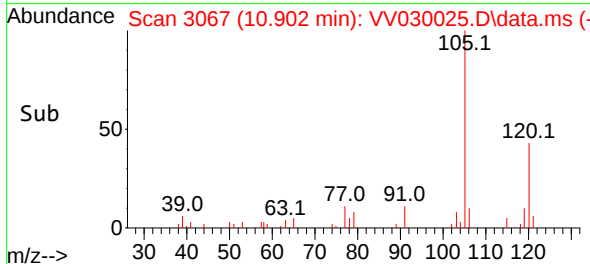
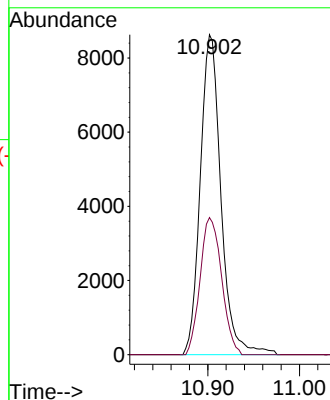
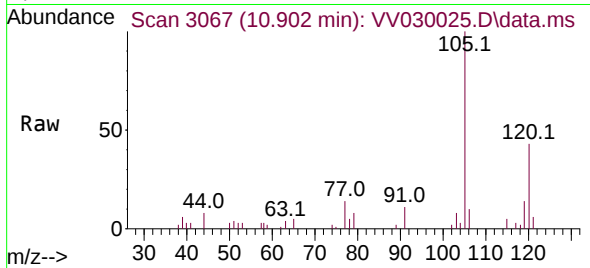
120 44.5 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/03/2023

Supervised By :Mahesh Dadoda 02/03/2023



#64

1,3-Dichlorobenzene

Concen: 0.221 ug/L

RT: 11.172 min Scan# 3151

Delta R.T. 0.003 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

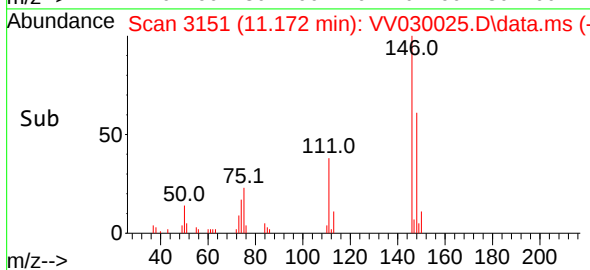
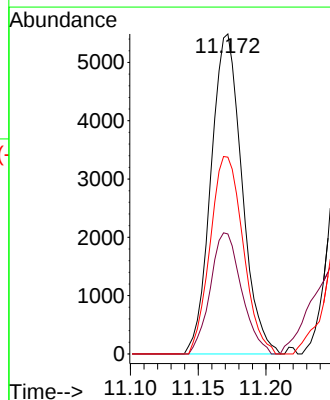
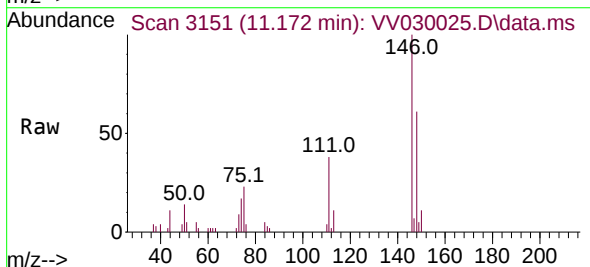
Tgt Ion:146 Resp: 8731

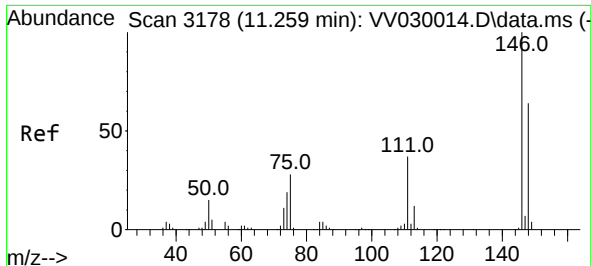
Ion Ratio Lower Upper

146 100

111 37.5 27.2 50.6

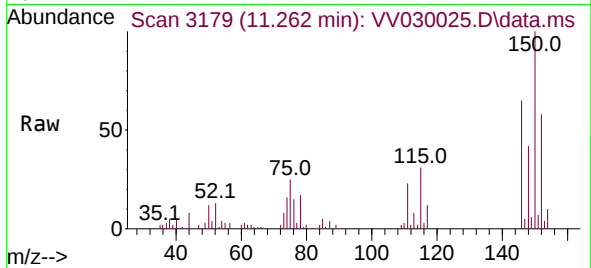
148 61.5 44.9 83.5





#65
1,4-Dichlorobenzene
Concen: 0.231 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. 0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

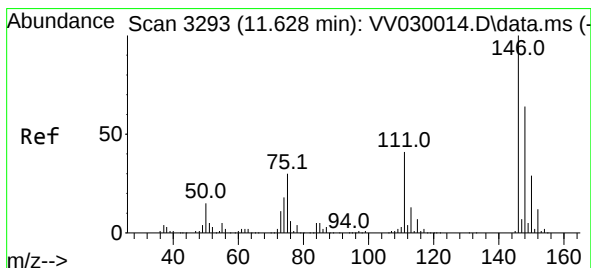
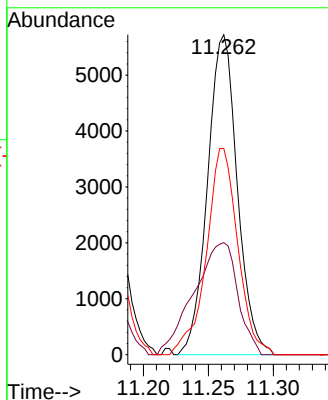
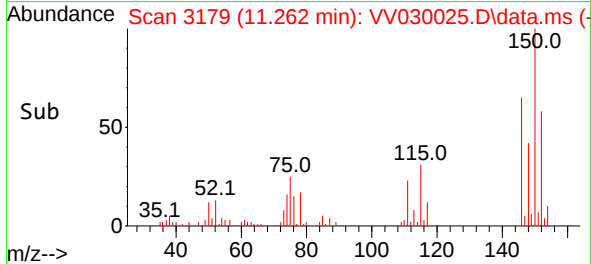
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01



Tgt Ion:146 Resp: 912
Ion Ratio Lower Upper
146 100
111 35.0 26.5 49.1
148 64.5 45.8 85.2

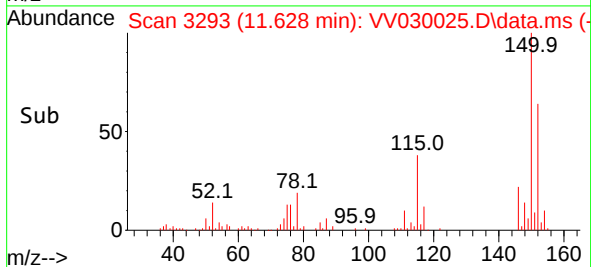
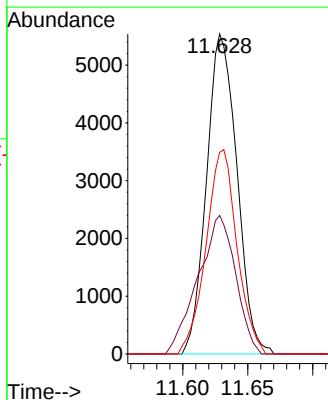
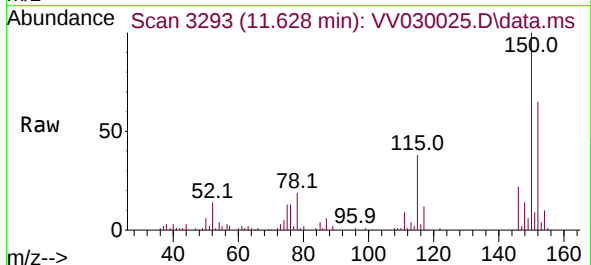
Manual Integrations
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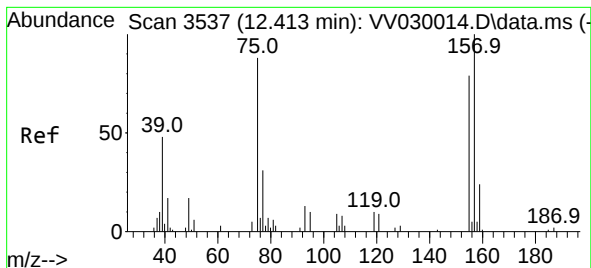
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023



#67
1,2-Dichlorobenzene
Concen: 0.253 ug/L
RT: 11.628 min Scan# 3293
Delta R.T. -0.000 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

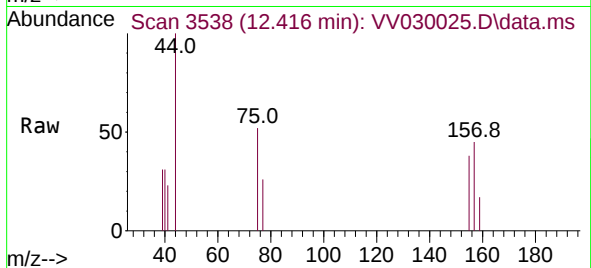
Tgt Ion:146 Resp: 9017
Ion Ratio Lower Upper
146 100
111 43.3 31.8 47.8
148 63.0 51.4 77.0





#68
1,2-Dibromo-3-chloropropane
Concen: 0.262 ug/L
RT: 12.416 min Scan# 3537
Delta R.T. 0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

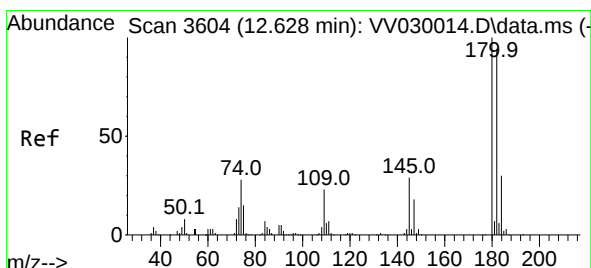
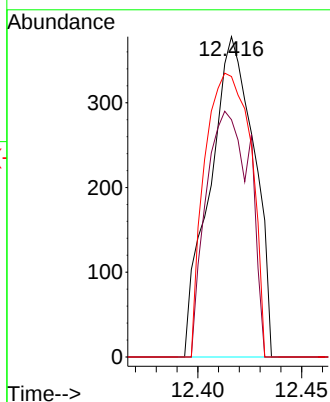
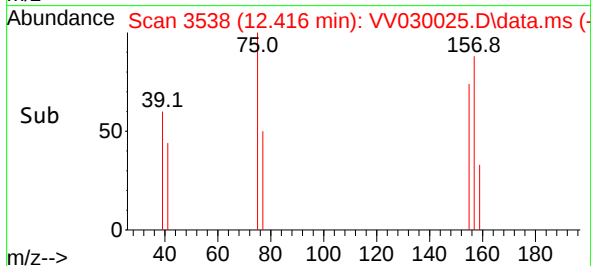
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01



Tgt Ion: 75 Resp: 560
Ion Ratio Lower Upper
75 100
155 74.1 75.5 113.3
157 87.6 99.2 148.8

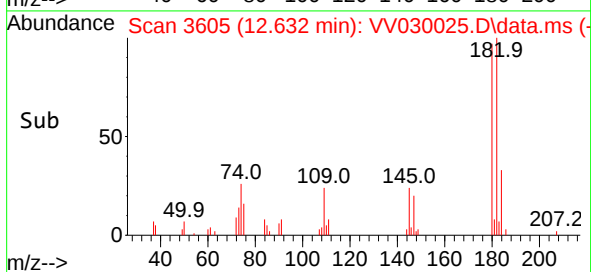
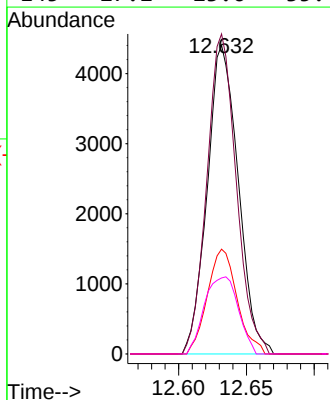
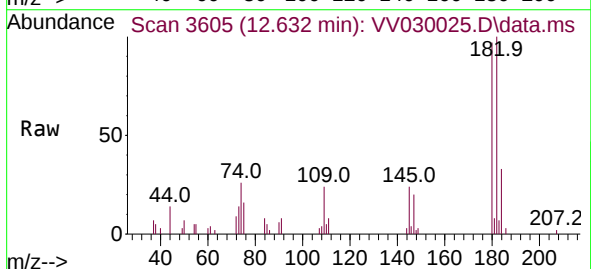
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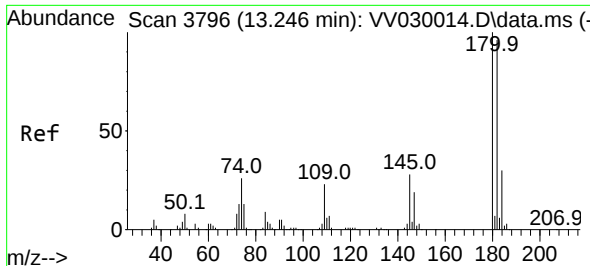
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023



#69
1,3,5-Trichlorobenzene
Concen: 0.220 ug/L
RT: 12.632 min Scan# 3605
Delta R.T. 0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

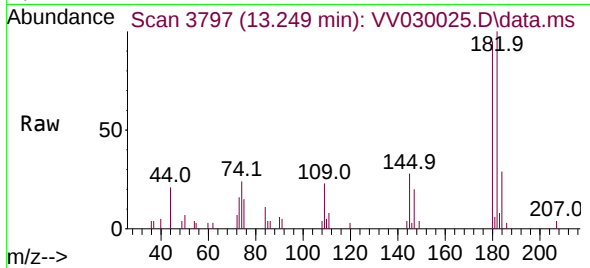
Tgt Ion:180 Resp: 7006
Ion Ratio Lower Upper
180 100
182 98.2 75.4 113.2
184 32.5 23.9 35.9
145 27.2 23.6 35.4





#70
1,2,4-trichlorobenzene
Concen: 0.224 ug/L
RT: 13.249 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

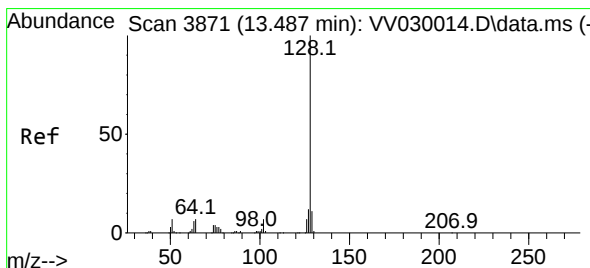
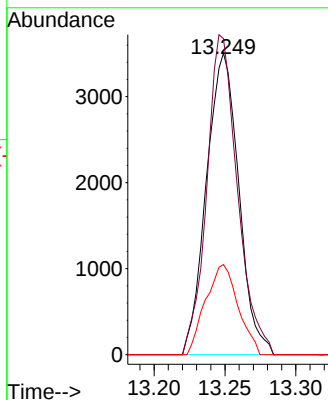
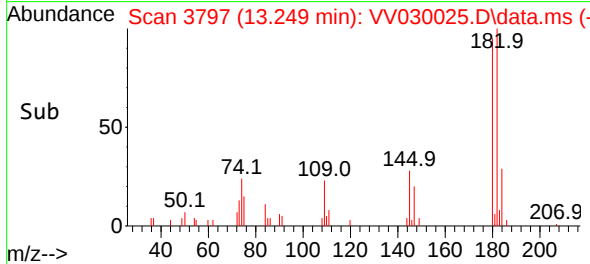
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01



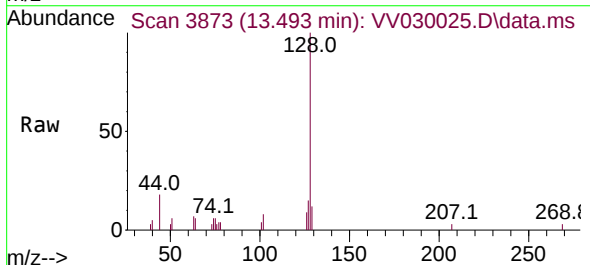
Tgt Ion:180 Resp: 556
Ion Ratio Lower Upper
180 100
182 100.3 75.8 113.8
145 29.9 23.7 35.5

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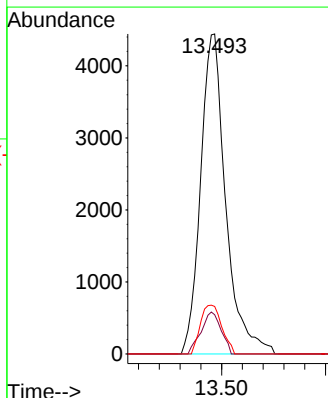
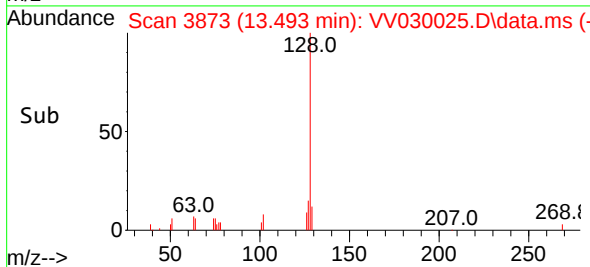
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023

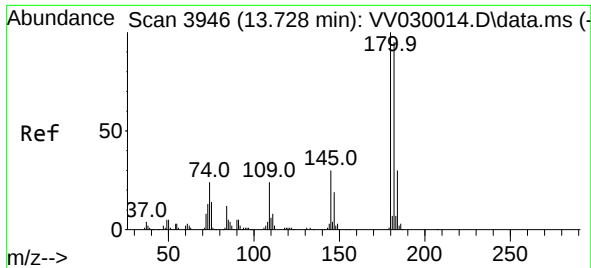


#71
Naphthalene
Concen: 0.231 ug/L
RT: 13.493 min Scan# 3873
Delta R.T. 0.006 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54



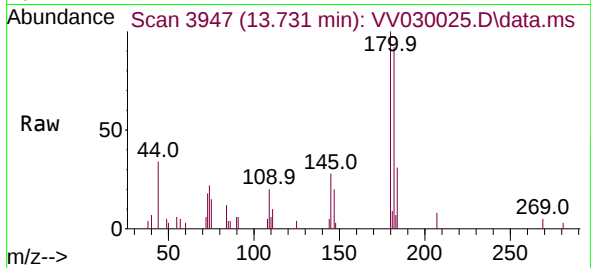
Tgt Ion:128 Resp: 7450
Ion Ratio Lower Upper
128 100
129 10.4 8.6 12.8
127 13.0 10.0 15.0





#72
 1,2,3-Trichlorobenzene
 Concen: 0.231 ug/L
 RT: 13.731 min Scan# 3947
 Delta R.T. 0.003 min
 Lab File: VV030025.D
 Acq: 02 Feb 2023 15:54

Instrument : MSVOA_V
 ClientSampleId : MDL-WATER-QT1-2023-01



Tgt Ion:	180	Resp:	477
Ion Ratio	Lower	Upper	
180	100		
182	90.4	75.5	113.3
145	29.2	25.0	37.6

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/03/2023
 Supervised By :Mahesh Dadoda 02/03/2023

