

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112124\
 Data File : VV038239.D
 Acq On : 21 Nov 2024 14:22
 Operator : SY/MD
 Sample : P4776-01
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2024-07

Quant Time: Nov 22 03:05:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 22 01:41:27 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/25/2024
 Supervised By :Semsettin Yesilyurt 11/25/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	243236	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	257008	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	116458	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	58378	3.131	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.600%
7) Chloroethane-d5	1.526	69	58494	3.879	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.600%
11) 1,1-Dichloroethene-d2	2.053	65	26577	3.313	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.200%
20) 2-Butanone-d5	3.786	46	173210	46.442	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.880%
24) Chloroform-d	4.243	84	146807	4.057	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.200%
26) 1,2-Dichloroethane-d4	4.937	65	69389	4.274	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
32) Benzene-d6	4.953	84	226582	3.411	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	68.200%#
36) 1,2-Dichloropropane-d6	5.982	67	83440	4.082	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.600%
41) Toluene-d8	7.240	98	173489	2.823	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	56.400%#
43) trans-1,3-Dichloroprop...	7.558	79	26397	3.474	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.400%
46) 2-Hexanone-d5	8.018	63	127137	43.039	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.080%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	80822	4.658	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.200%
66) 1,2-Dichlorobenzene-d4	11.554	152	85305	4.299	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.102	85	5729	0.249	ug/L	99
3) Chloromethane	1.214	50	5607	0.283	ug/L	96
5) Vinyl chloride	1.278	62	5933	0.264	ug/L #	71
6) Bromomethane	1.484	94	3409	0.389	ug/L	87
8) Chloroethane	1.542	64	4283	0.299	ug/L	99
9) Trichlorofluoromethane	1.709	101	8149	0.255	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	5392	0.296	ug/L	85
12) 1,1-Dichloroethene	2.063	96	4957	0.285	ug/L #	1
14) Carbon disulfide	2.233	76	13362	0.239	ug/L	98
15) Methyl Acetate	2.394	43	1573	0.235	ug/L #	63
16) Methylene chloride	2.442	84	5524	0.279	ug/L	96
17) Methyl tert-butyl Ether	2.700	73	8775	0.223	ug/L	97
18) trans-1,2-Dichloroethene	2.693	96	4351	0.238	ug/L	91
19) 1,1-Dichloroethane	3.111	63	8249	0.248	ug/L	93
21) 2-Butanone	3.928	43	9853m	2.489	ug/L	
22) cis-1,2-Dichloroethene	3.815	96	4942	0.261	ug/L	93
23) Bromochloromethane	4.146	128	2346m	0.254	ug/L	
25) Chloroform	4.278	83	10153m	0.286	ug/L	
27) 1,2-Dichloroethane	5.066	62	5952m	0.308	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 1,1,1-Trichloroethane	4.507	97	7983	0.259	ug/L	96
30) Cyclohexane	4.571	56	5677	0.222	ug/L	97
31) Carbon tetrachloride	4.728	117	5922	0.218	ug/L	97
33) Benzene	5.011	78	18653	0.258	ug/L	100
34) Trichloroethene	5.841	95	7351	0.374	ug/L	95
35) Methylcyclohexane	6.040	83	7204m	0.259	ug/L	
37) 1,2-Dichloropropane	6.101	63	5105m	0.282	ug/L	
38) Bromodichloromethane	6.445	83	5278	0.217	ug/L #	91
39) cis-1,3-Dichloropropene	6.976	75	5965m	0.236	ug/L	
40) 4-Methyl-2-pentanone	7.166	43	16605	1.754	ug/L #	81
42) Toluene	7.323	91	14609	0.191	ug/L	100
44) trans-1,3-Dichloropropene	7.603	75	5910m	0.277	ug/L	
45) 1,1,2-Trichloroethane	7.780	97	3343	0.228	ug/L	93
47) Tetrachloroethene	7.905	164	4305	0.272	ug/L	95
48) 2-Hexanone	8.085	43	23852m	3.475	ug/L	
49) Dibromochloromethane	8.175	129	3894	0.244	ug/L	97
50) 1,2-Dibromoethane	8.284	107	3541	0.260	ug/L #	86
51) Chlorobenzene	8.821	112	12619	0.240	ug/L	95
52) Ethylbenzene	8.953	91	15808	0.195	ug/L	99
53) m,p-Xylene	9.082	106	5122	0.167	ug/L	93
54) o-Xylene	9.481	106	5323	0.179	ug/L	84
55) Styrene	9.513	104	8161m	0.155	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.172	83	4411	0.257	ug/L #	85
59) Bromoform	9.674	173	1611	0.238	ug/L #	84
60) Isopropylbenzene	9.863	105	14101	0.210	ug/L	94
61) 1,2,3-Trichloropropane	10.214	75	2707	0.271	ug/L	91
62) 1,3,5-Trimethylbenzene	10.474	105	11255	0.211	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	10354	0.195	ug/L	96
64) 1,3-Dichlorobenzene	11.120	146	7739	0.215	ug/L	95
65) 1,4-Dichlorobenzene	11.207	146	9473	0.260	ug/L	95
67) 1,2-Dichlorobenzene	11.577	146	8642	0.259	ug/L	88
68) 1,2-Dibromo-3-chloropr...	12.368	75	443	0.198	ug/L #	81
69) 1,3,5-Trichlorobenzene	12.583	180	5472	0.214	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	4246	0.201	ug/L	96
71) Naphthalene	13.458	128	4465	0.136	ug/L #	83
72) 1,2,3-Trichlorobenzene	13.683	180	3698	0.190	ug/L	98

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

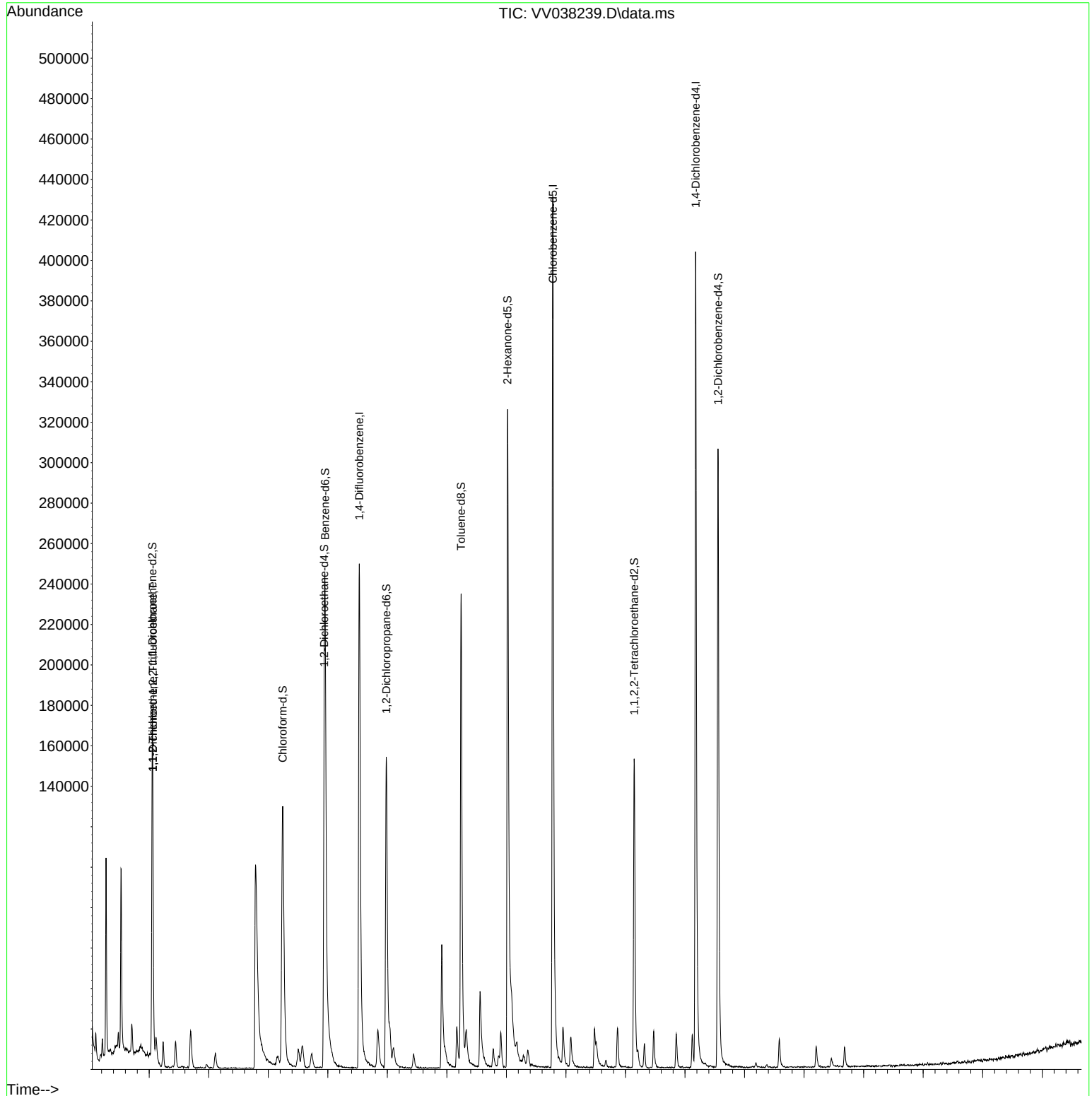
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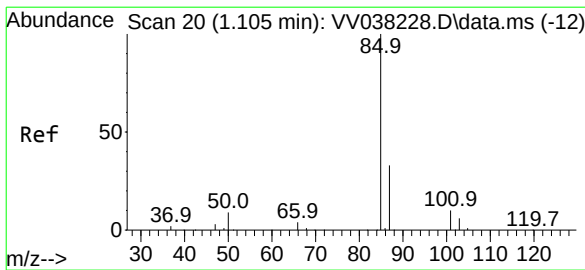
Instrument :
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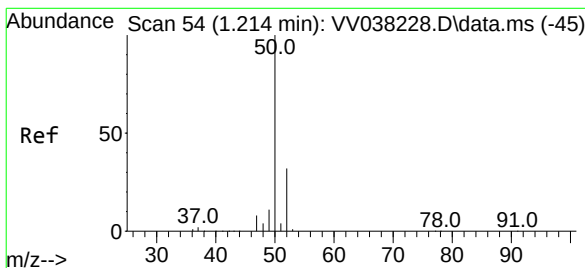
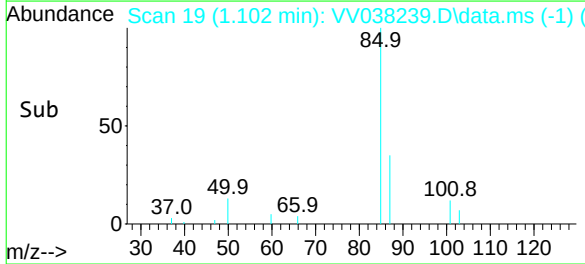
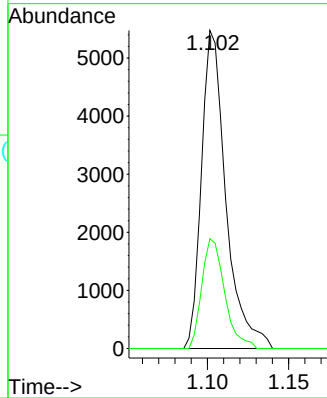
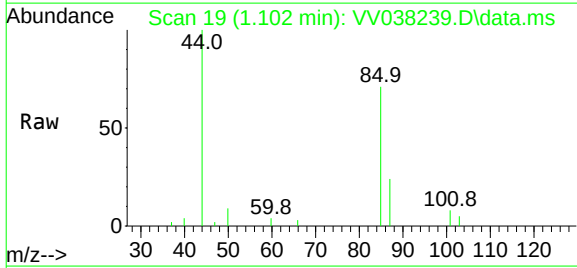
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Dichlorodifluoromethane
Concen: 0.249 ug/L
RT: 1.102 min Scan# 19
Delta R.T. -0.003 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-07

Tgt Ion: 85 Resp: 5729
Ion Ratio Lower Upper
85 100
87 32.3 26.5 39.7

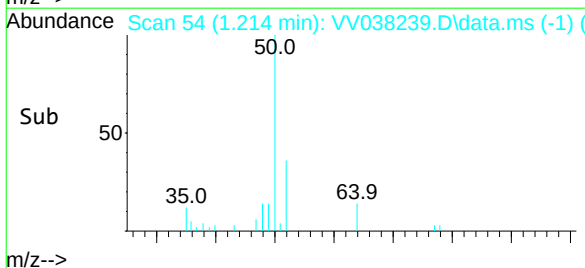
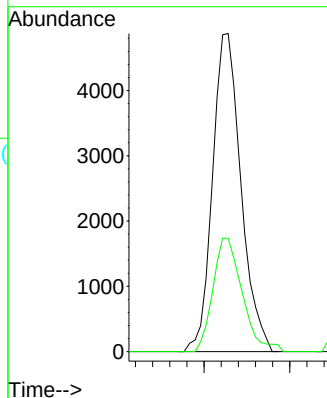
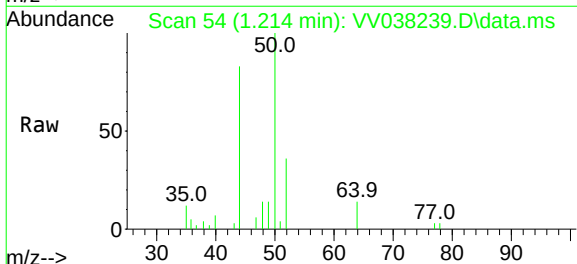
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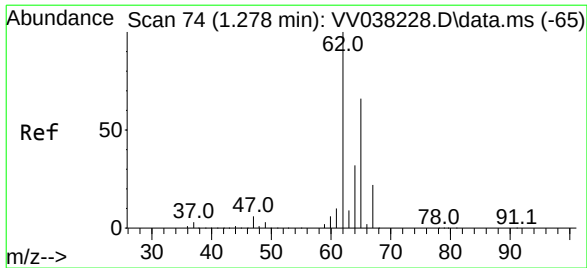
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#3
Chloromethane
Concen: 0.283 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.000 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

Tgt Ion: 50 Resp: 5607
Ion Ratio Lower Upper
50 100
52 35.6 23.5 43.7





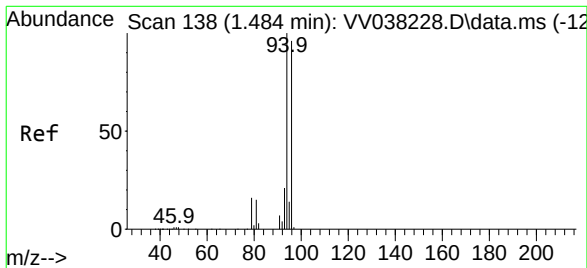
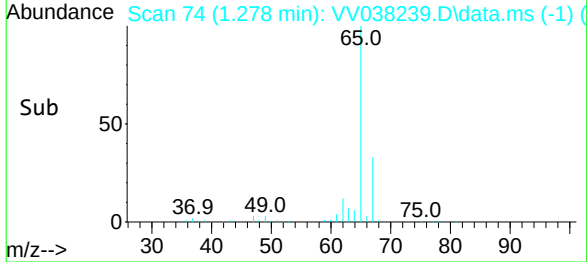
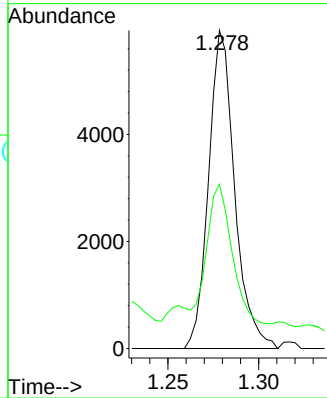
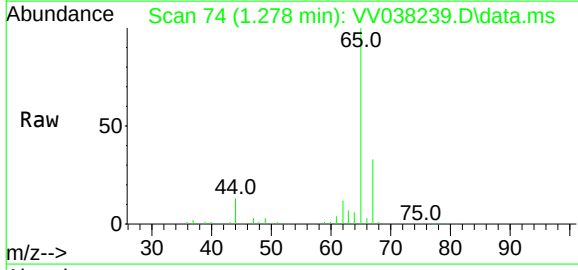
#5
 Vinyl chloride
 Concen: 0.264 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: VV038239.D
 Acq: 21 Nov 2024 14:22

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2024-07

Tgt Ion: 62 Resp: 5933
 Ion Ratio Lower Upper
 62 100
 64 51.6 24.4 45.4#

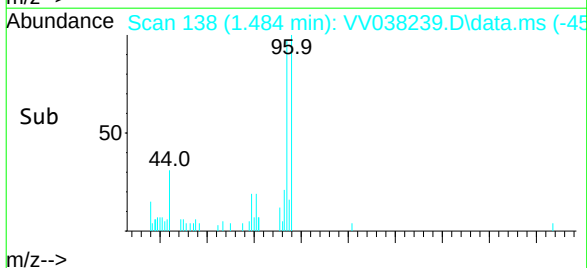
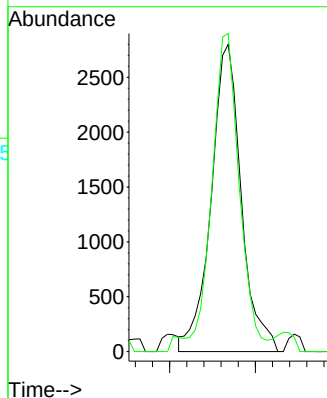
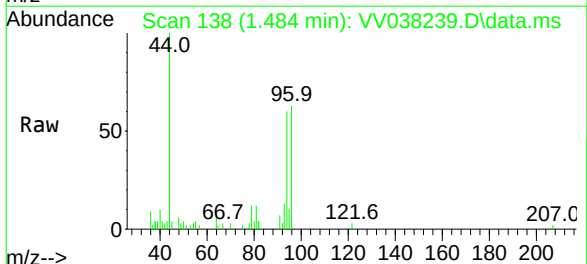
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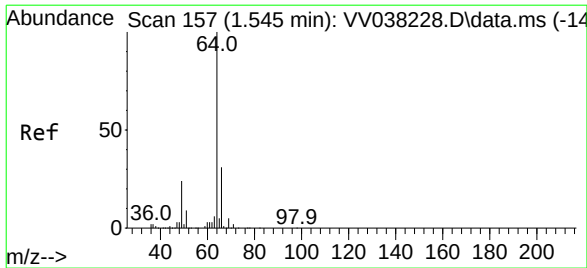
Reviewed By :Mahesh Dadoda 11/25/2024
 Supervised By :Semsettin Yesilyurt 11/25/2024



#6
 Bromomethane
 Concen: 0.389 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV038239.D
 Acq: 21 Nov 2024 14:22

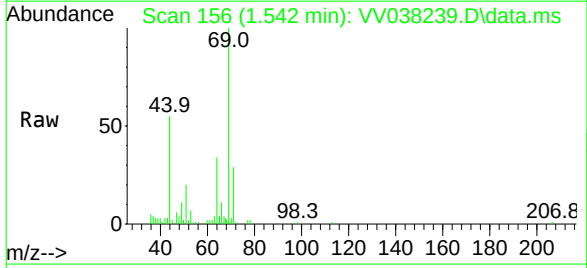
Tgt Ion: 94 Resp: 3409
 Ion Ratio Lower Upper
 94 100
 96 103.5 63.7 118.3





#8
Chloroethane
Concen: 0.299 ug/L
RT: 1.542 min Scan# 157
Delta R.T. -0.003 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

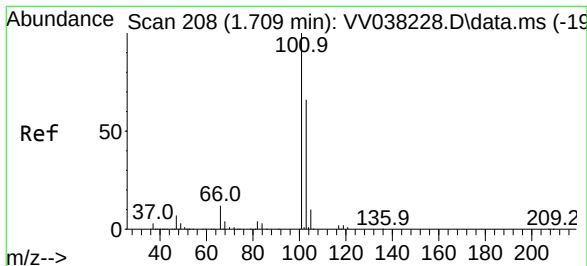
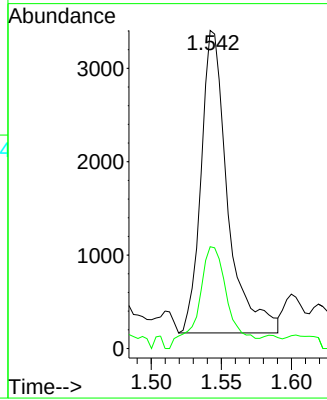
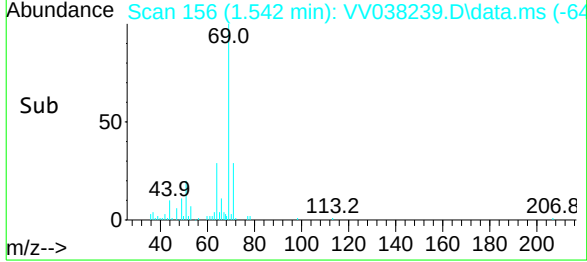
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion: 64 Resp: 4283
Ion Ratio Lower Upper
64 100
66 32.0 22.0 40.8

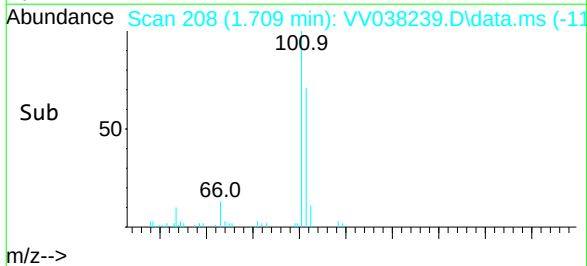
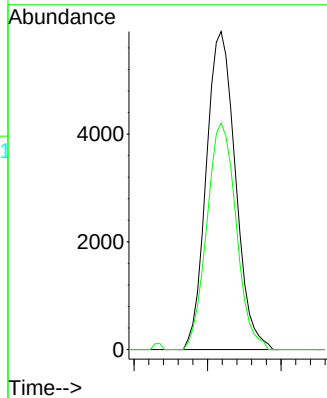
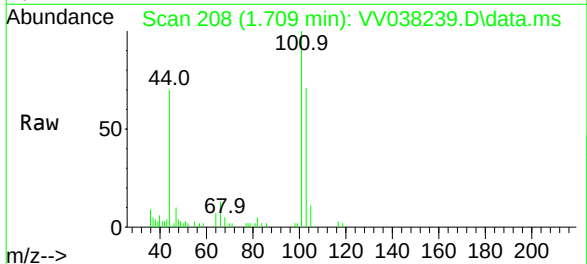
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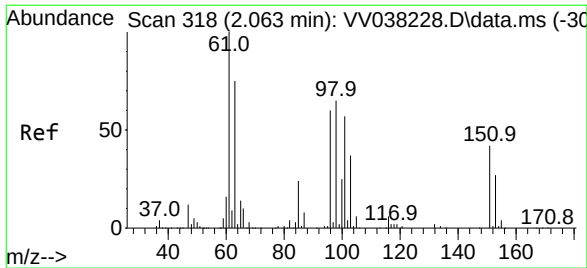
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#9
Trichlorofluoromethane
Concen: 0.255 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

Tgt Ion:101 Resp: 8149
Ion Ratio Lower Upper
101 100
103 71.6 51.5 77.3





#10

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

Concen: 0.296 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.000 min

Lab File: VV038239.D

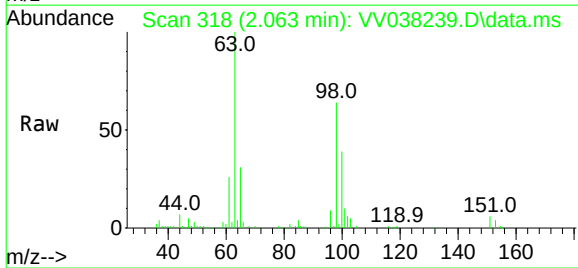
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Instrument :

MSVOA_V

ClientSampleId :

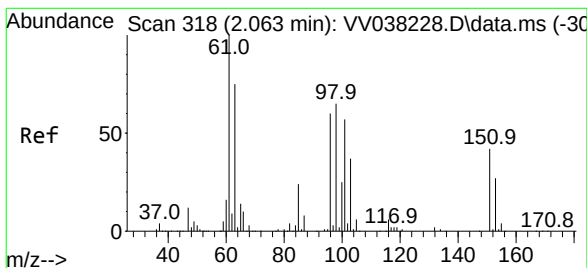
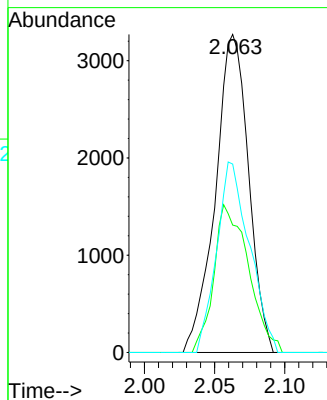
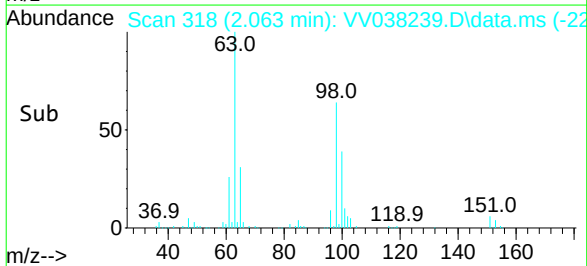
MDL-WATER-QT4-2024-07



Tgt Ion:	101	Resp:	5392
Ion	Ratio	Lower	Upper
101	100		
85	48.4	33.4	50.0
151	59.1	58.8	88.2

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#12

1,1-Dichloroethene

Concen: 0.285 ug/L

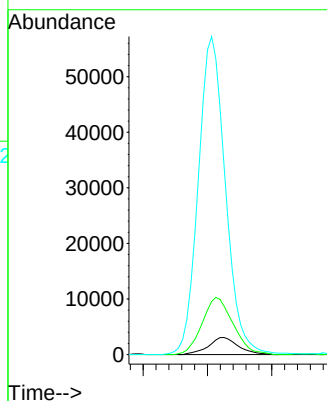
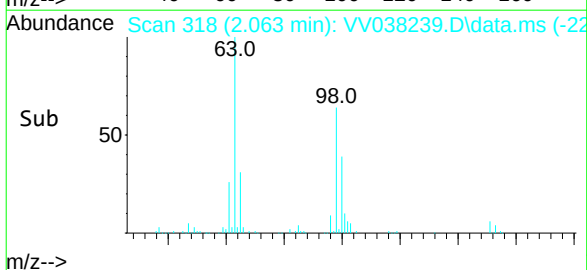
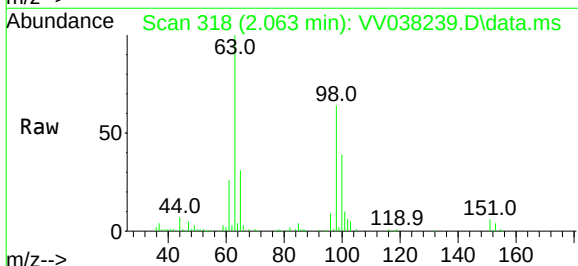
RT: 2.063 min Scan# 318

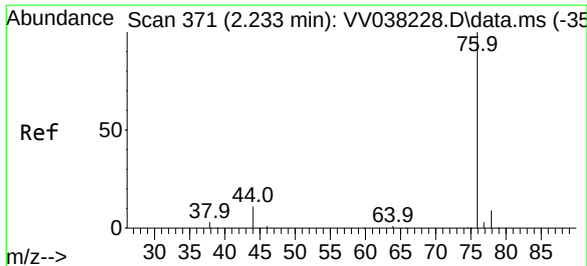
Delta R.T. 0.000 min

Lab File: VV038239.D

Acq: 21 Nov 2024 14:22

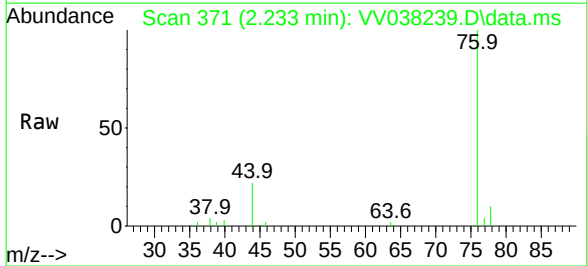
Tgt Ion:	96	Resp:	4957
Ion	Ratio	Lower	Upper
96	100		
61	283.8	115.7	214.9#
63	1105.5	101.1	187.7#





#14
Carbon disulfide
Concen: 0.239 ug/L
RT: 2.233 min Scan# 371
Delta R.T. 0.000 min
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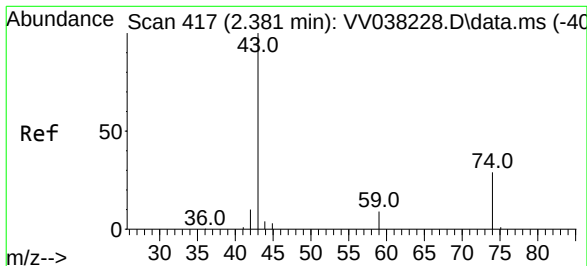
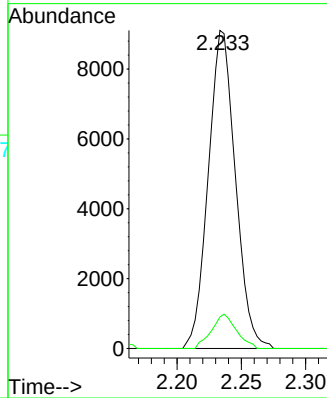
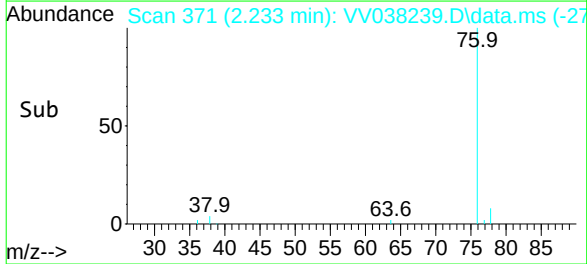
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Tgt Ion: 76 Resp: 13362
Ion Ratio Lower Upper
76 100
78 9.9 7.4 11.0

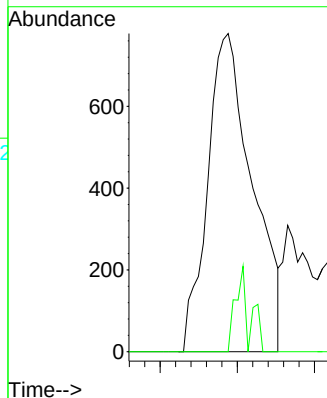
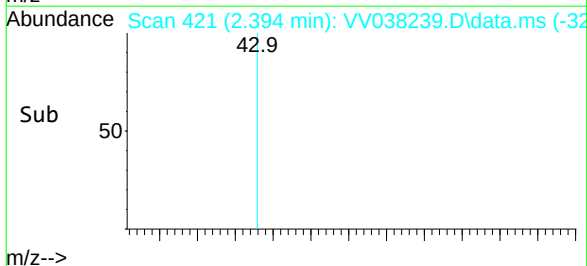
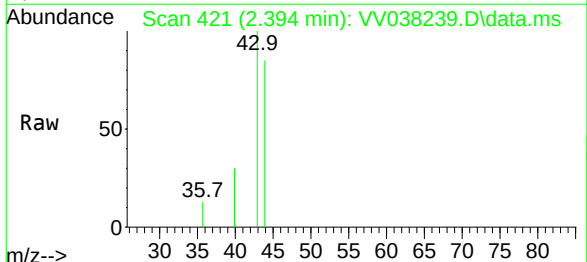
Manual Integrations
APPROVED

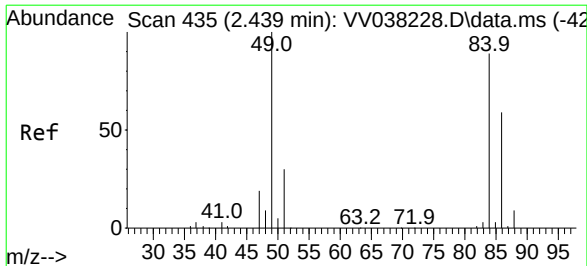
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#15
Methyl Acetate
Concen: 0.235 ug/L
RT: 2.394 min Scan# 421
Delta R.T. 0.013 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

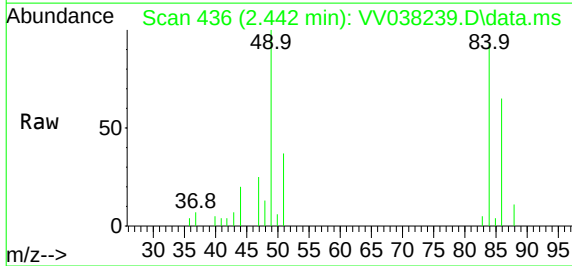
Tgt Ion: 43 Resp: 1573
Ion Ratio Lower Upper
43 100
74 8.4 22.4 33.6#





#16
Methylene chloride
Concen: 0.279 ug/L
RT: 2.442 min Scan# 435
Delta R.T. 0.003 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

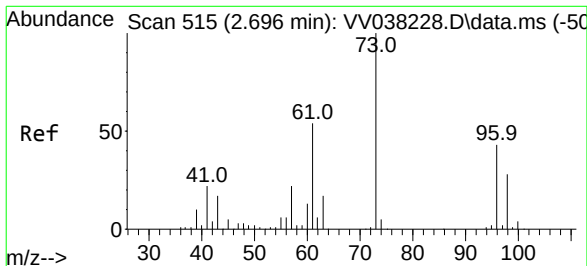
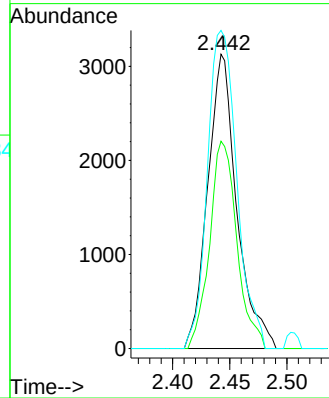
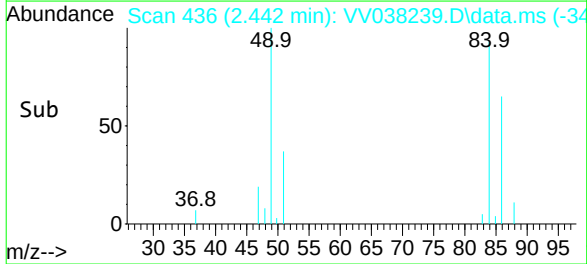
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-07



Tgt Ion: 84 Resp: 5524
Ion Ratio Lower Upper
84 100
86 70.4 44.2 82.2
49 108.1 74.9 139.1

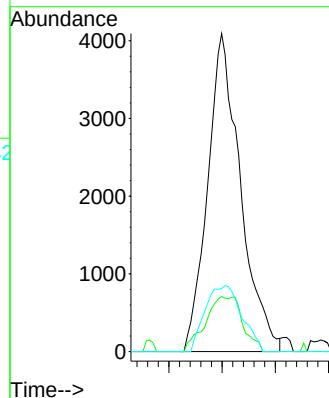
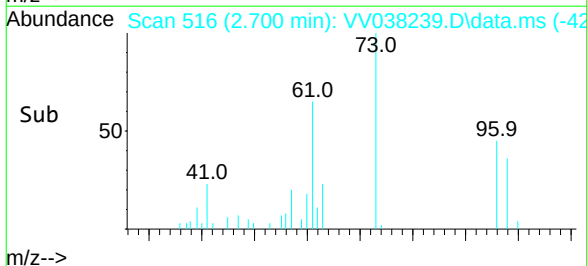
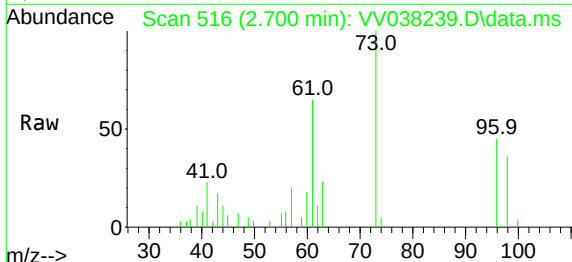
Manual Integrations
APPROVED

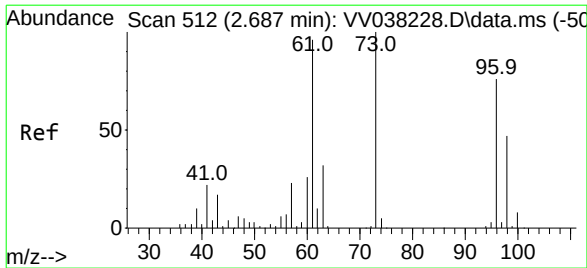
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#17
Methyl tert-butyl Ether
Concen: 0.223 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

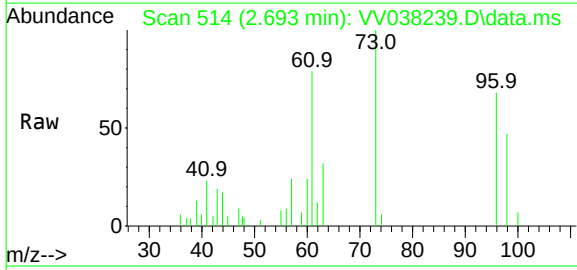
Tgt Ion: 73 Resp: 8775
Ion Ratio Lower Upper
73 100
43 19.4 14.2 21.2
57 23.1 17.6 26.4





#18
trans-1,2-Dichloroethene
Concen: 0.238 ug/L
RT: 2.693 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

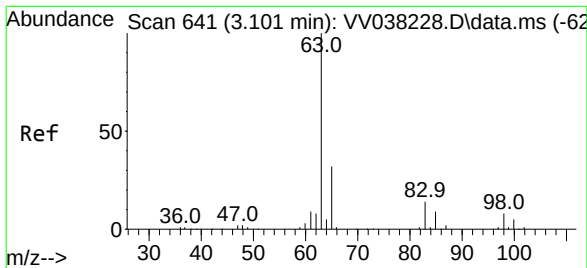
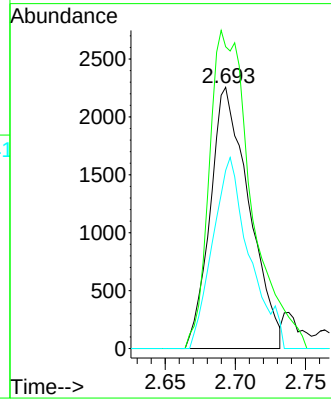
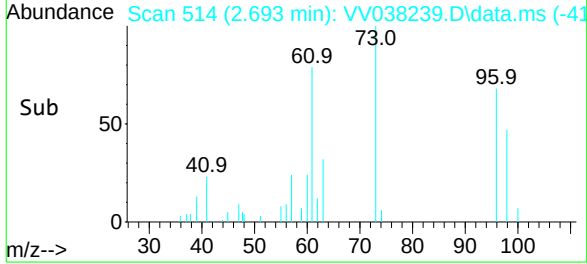
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-07



Tgt Ion: 96 Resp: 4351
Ion Ratio Lower Upper
96 100
61 115.5 88.5 164.4
98 68.2 43.9 81.5

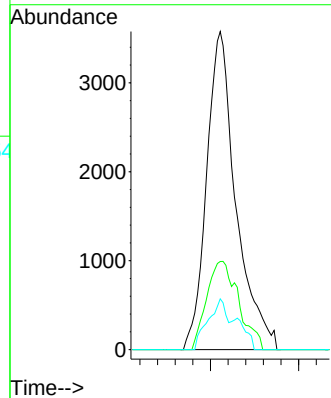
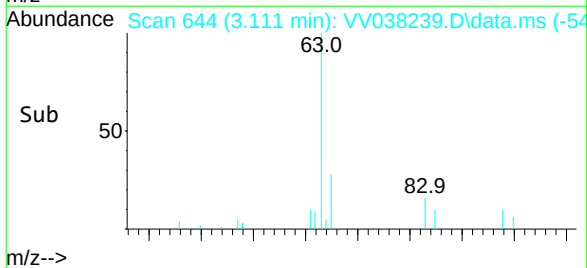
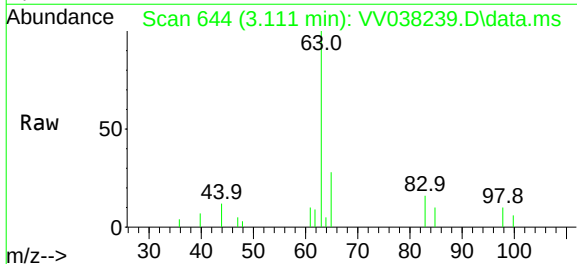
Manual Integrations
APPROVED

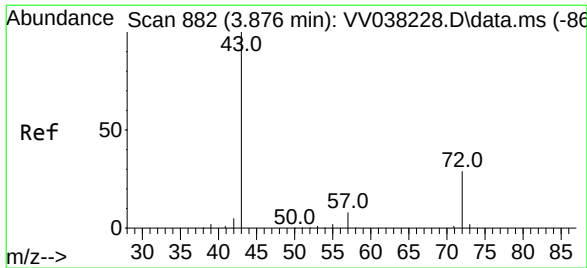
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#19
1,1-Dichloroethane
Concen: 0.248 ug/L
RT: 3.111 min Scan# 644
Delta R.T. 0.010 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

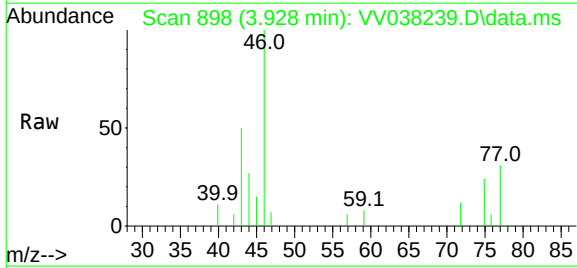
Tgt Ion: 63 Resp: 8249
Ion Ratio Lower Upper
63 100
65 27.7 22.5 41.7
83 16.0 10.1 18.9





#21
2-Butanone
Concen: 2.489 ug/L m
RT: 3.928 min Scan# 89
Delta R.T. 0.051 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

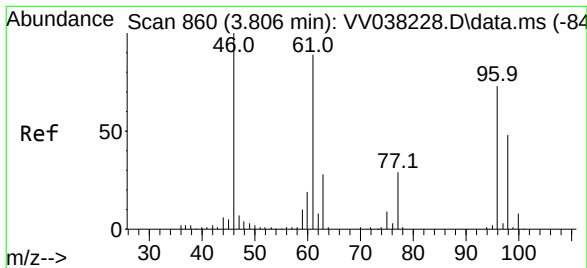
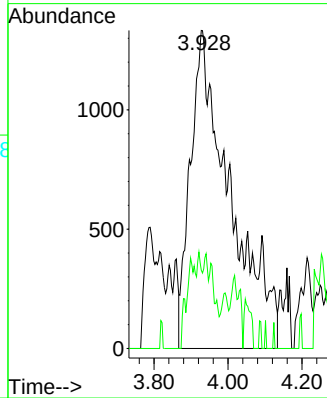
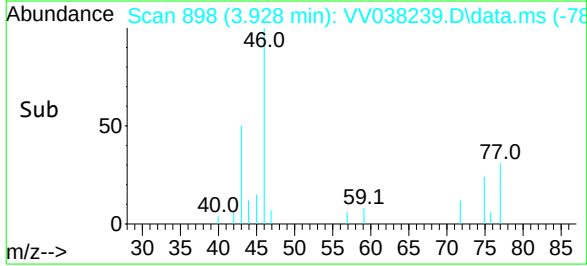
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-07



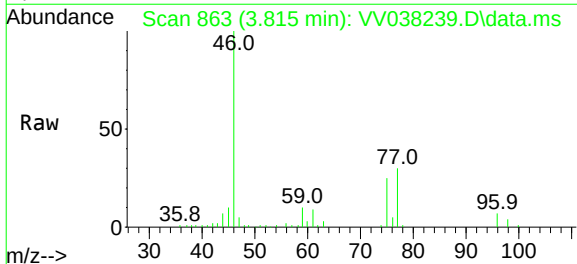
Tgt Ion: 43 Resp: 9853
Ion Ratio Lower Upper
43 100
72 0.4 13.0 39.0#

Manual Integrations
APPROVED

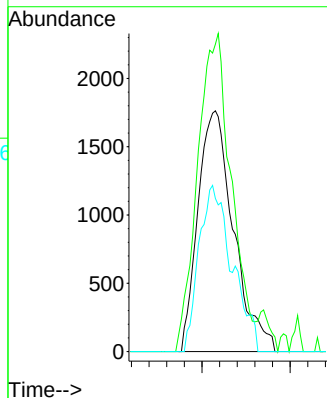
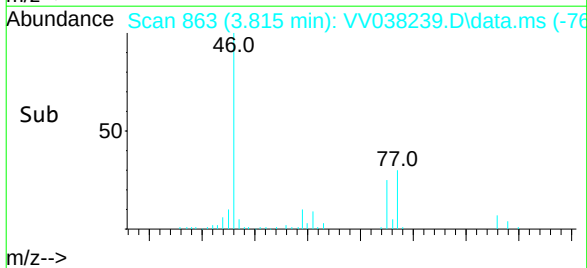
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024

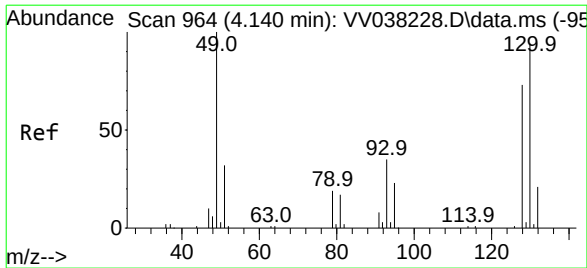


#22
cis-1,2-Dichloroethene
Concen: 0.261 ug/L
RT: 3.815 min Scan# 863
Delta R.T. 0.010 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22



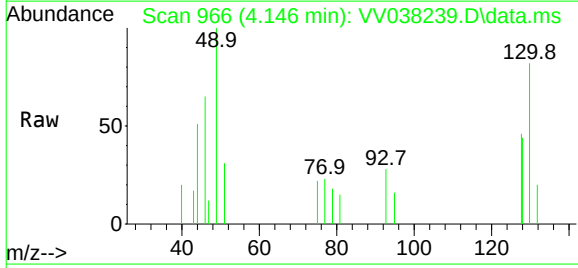
Tgt Ion: 96 Resp: 4942
Ion Ratio Lower Upper
96 100
61 127.7 82.7 153.5
98 63.6 46.3 85.9





#23
Bromochloromethane
Concen: 0.254 ug/L m
RT: 4.146 min Scan# 964
Delta R.T. 0.006 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

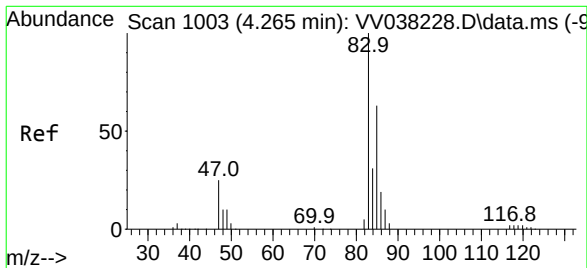
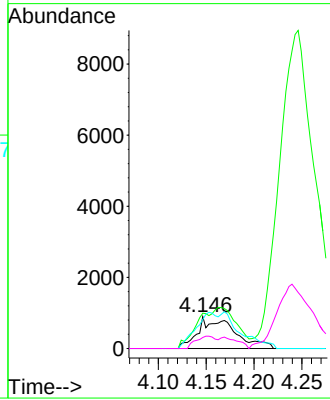
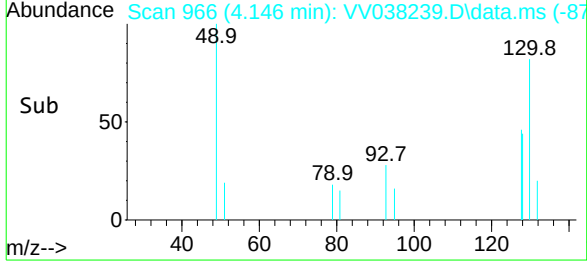
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion: 128 Resp: 2346
Ion Ratio Lower Upper
128 100
49 215.4 102.8 190.8#
130 177.0 93.6 173.8#
51 67.2 37.1 55.7#

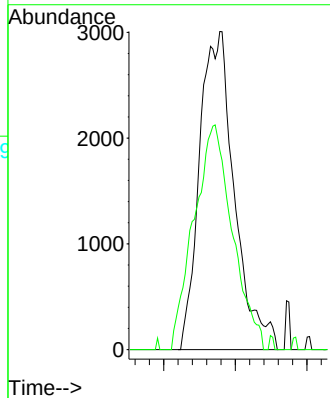
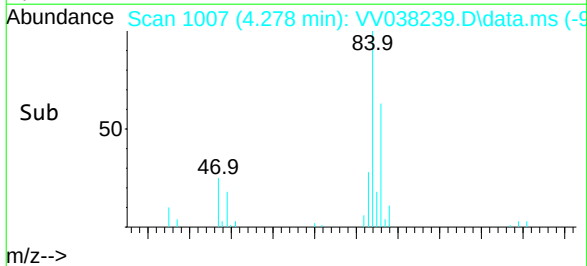
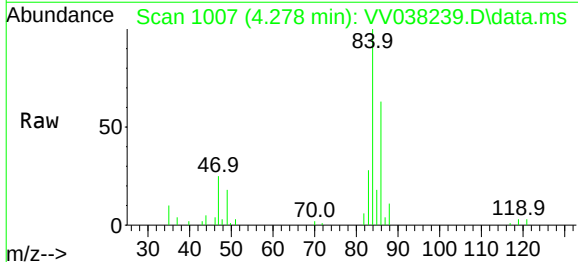
Manual Integrations
APPROVED

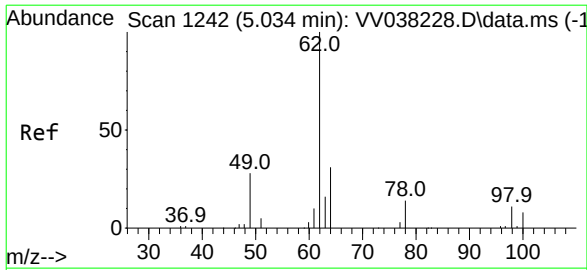
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#25
Chloroform
Concen: 0.286 ug/L m
RT: 4.278 min Scan# 1007
Delta R.T. 0.013 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

Tgt Ion: 83 Resp: 10153
Ion Ratio Lower Upper
83 100
85 62.7 46.5 86.3





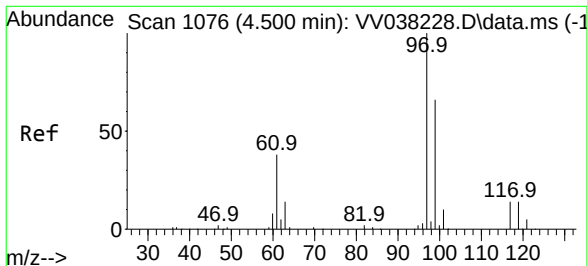
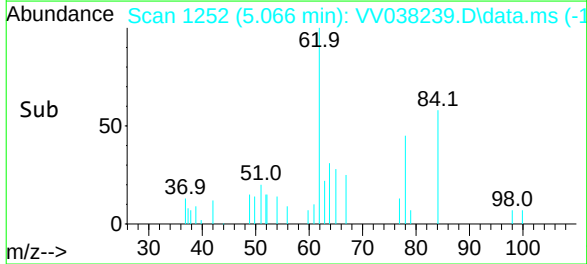
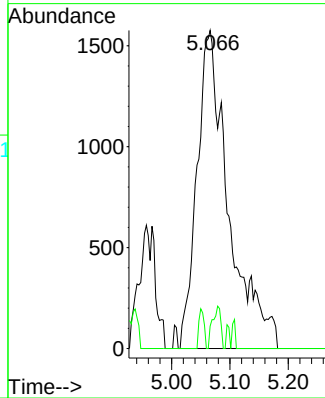
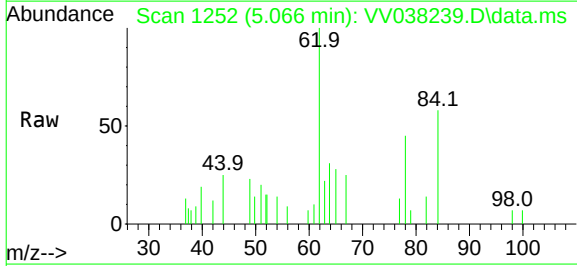
#27
1,2-Dichloroethane
Concen: 0.308 ug/L m
RT: 5.066 min Scan# 12
Delta R.T. 0.032 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-07

Tgt Ion: 62 Resp: 5952
Ion Ratio Lower Upper
62 100
98 7.0 8.2 12.4#

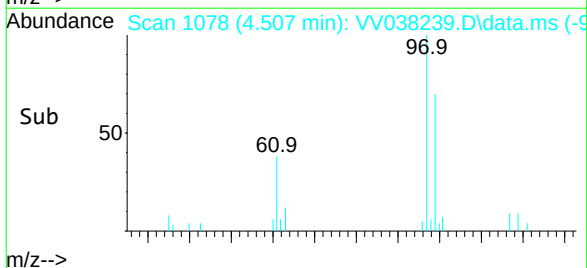
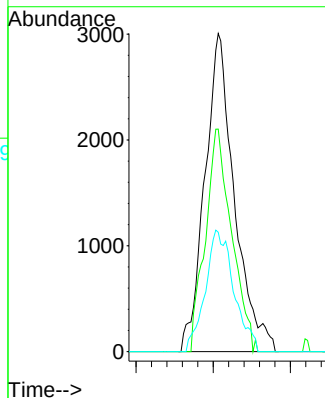
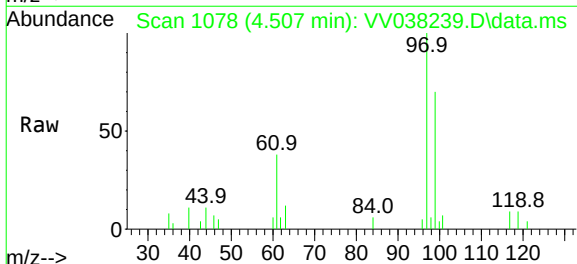
Manual Integrations
APPROVED

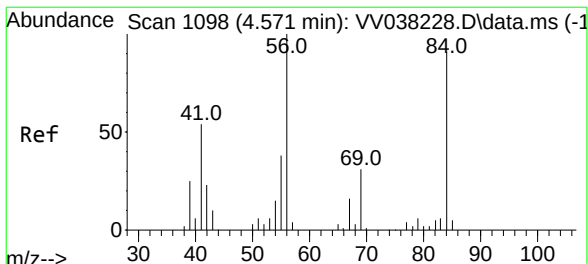
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#29
1,1,1-Trichloroethane
Concen: 0.259 ug/L
RT: 4.507 min Scan# 1078
Delta R.T. 0.006 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

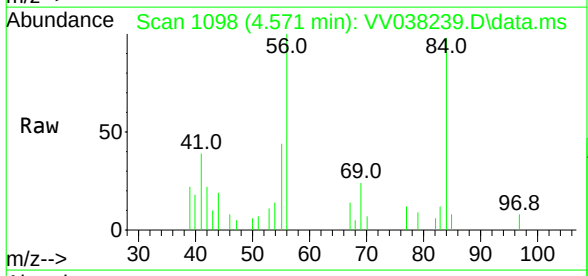
Tgt Ion: 97 Resp: 7983
Ion Ratio Lower Upper
97 100
99 62.3 51.8 77.8
61 36.9 32.2 48.2





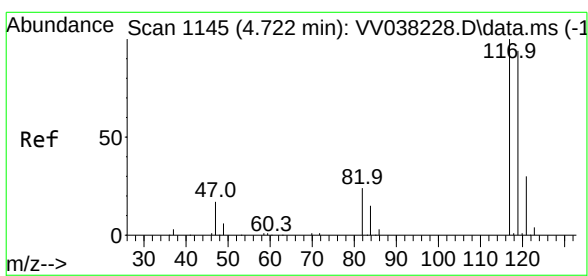
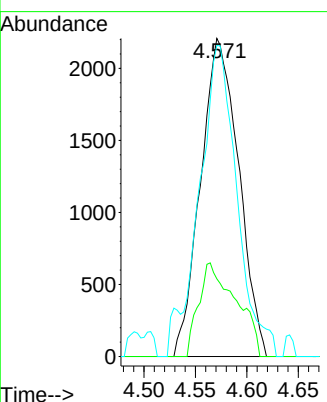
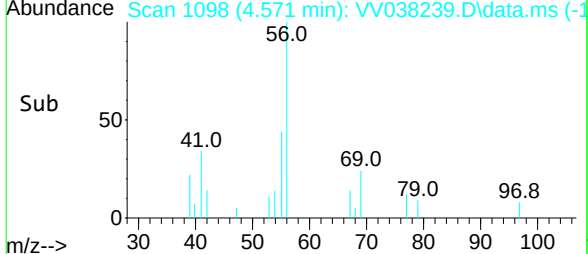
#30
Cyclohexane
Concen: 0.222 ug/L
RT: 4.571 min Scan# 1098
Delta R.T. 0.000 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-07

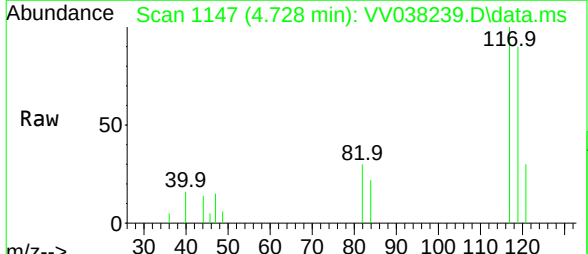


Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.8	26.0	39.0
84	93.0	75.6	113.4

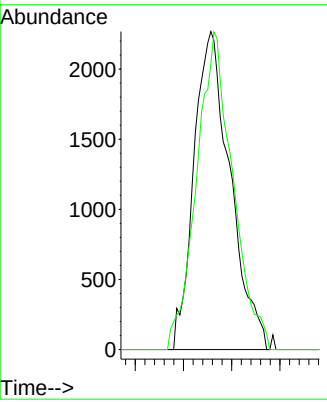
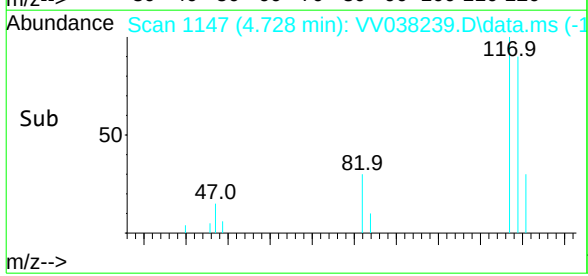
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024

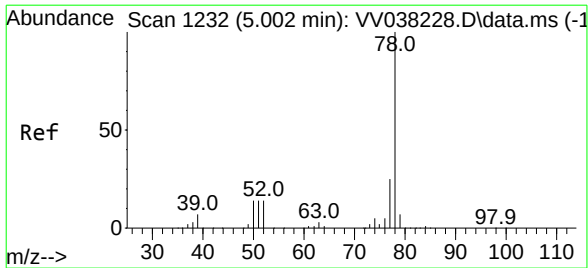


#31
Carbon tetrachloride
Concen: 0.218 ug/L
RT: 4.728 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22



Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.6	77.4	116.2





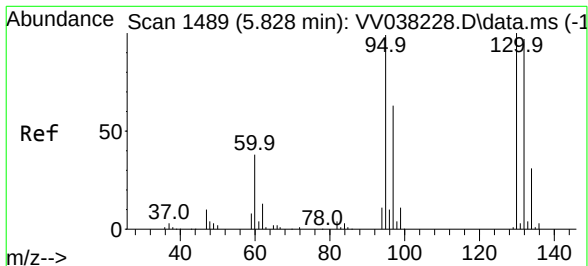
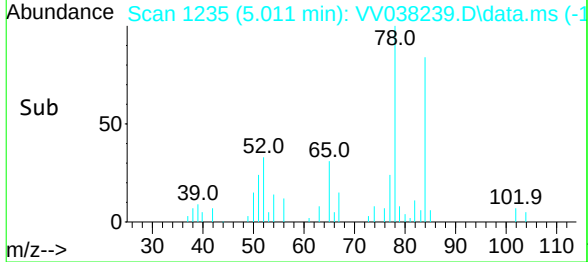
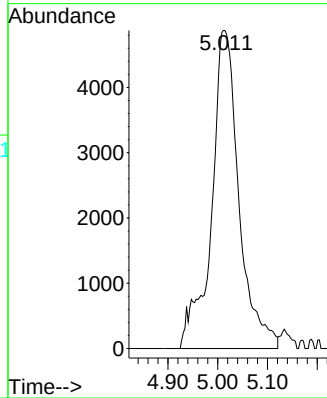
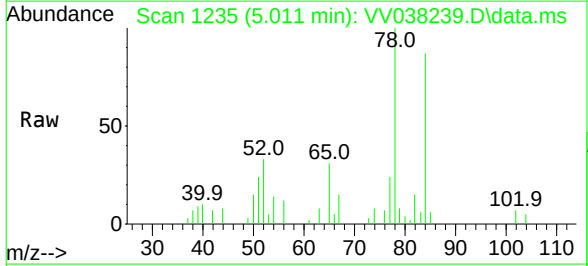
#33
Benzene
Concen: 0.258 ug/L
RT: 5.011 min Scan# 1232
Delta R.T. 0.010 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-07

Tgt Ion: 78 Resp: 18653

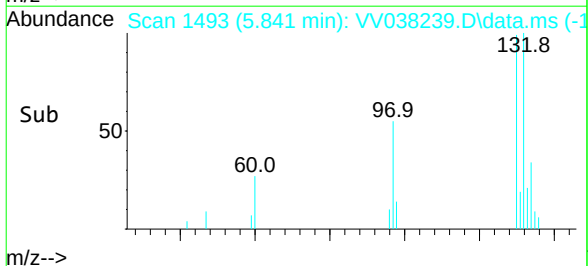
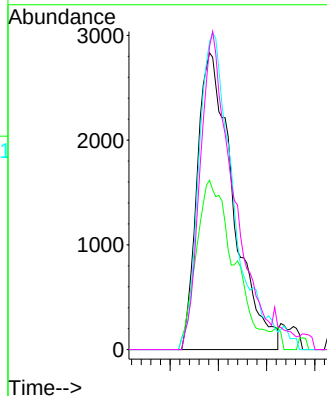
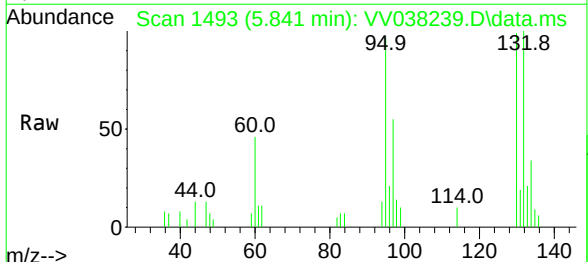
Manual Integrations
APPROVED

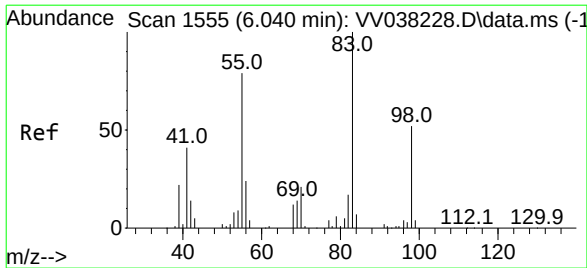
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#34
Trichloroethene
Concen: 0.374 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.013 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

Tgt Ion: 95 Resp: 7351
Ion Ratio Lower Upper
95 100
97 57.1 44.8 83.2
132 103.7 68.3 126.8
130 102.2 70.2 130.4





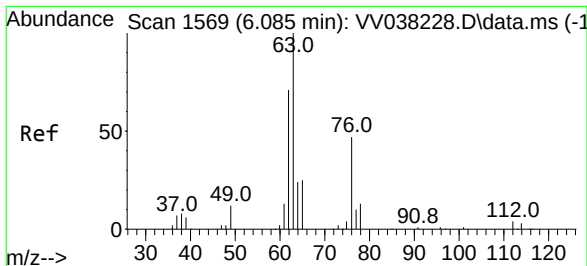
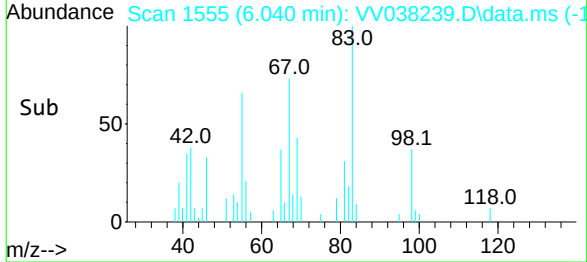
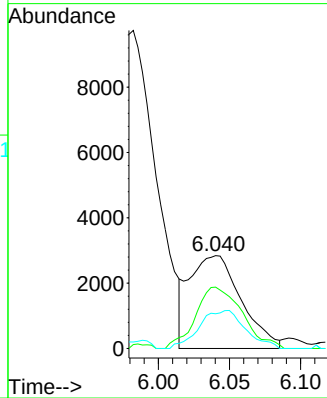
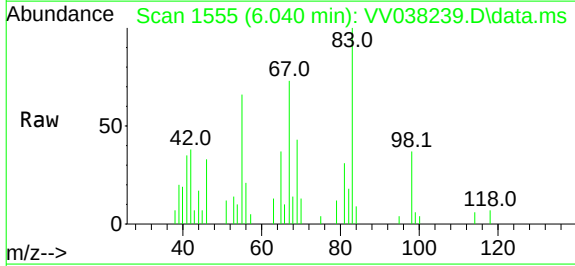
#35
Methylcyclohexane
Concen: 0.259 ug/L m
RT: 6.040 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-07

Tgt Ion: 83 Resp: 7204
Ion Ratio Lower Upper
83 100
55 59.6 59.7 89.5#
98 36.4 39.0 58.4#

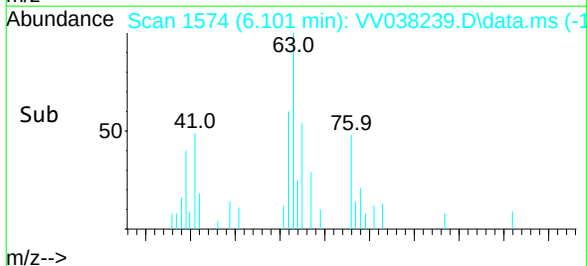
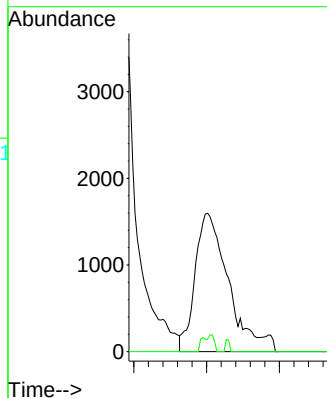
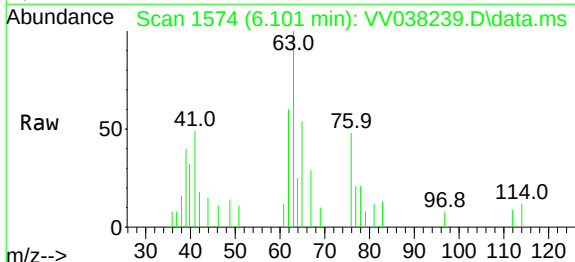
Manual Integrations
APPROVED

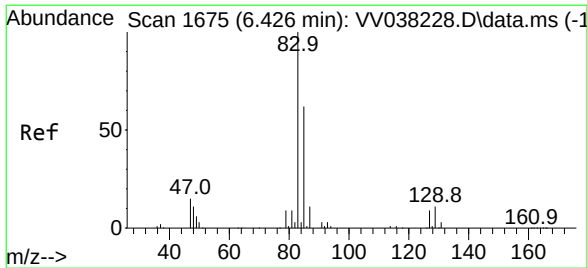
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#37
1,2-Dichloropropane
Concen: 0.282 ug/L m
RT: 6.101 min Scan# 1574
Delta R.T. 0.016 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

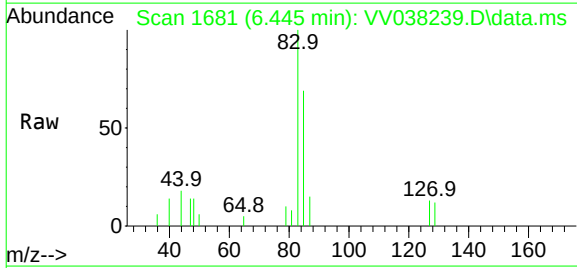
Tgt Ion: 63 Resp: 5105
Ion Ratio Lower Upper
63 100
112 2.4 3.9 5.9#





#38
Bromodichloromethane
Concen: 0.217 ug/L
RT: 6.445 min Scan# 1675
Delta R.T. 0.019 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

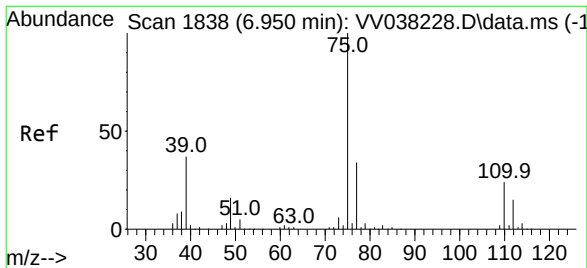
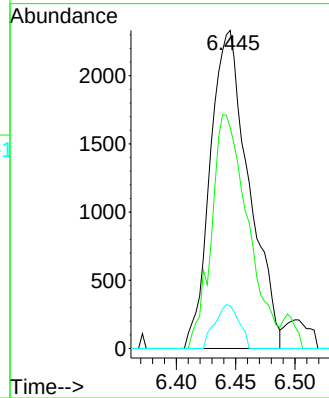
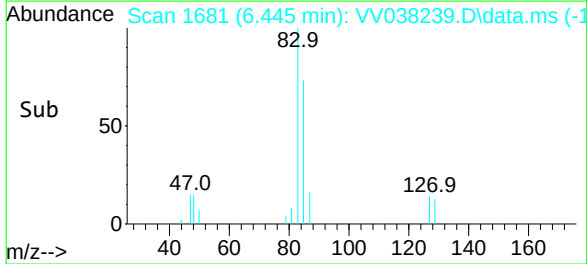
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-07



Tgt Ion: 83 Resp: 5278
Ion Ratio Lower Upper
83 100
85 69.5 43.9 81.5
127 13.4 6.7 10.1#

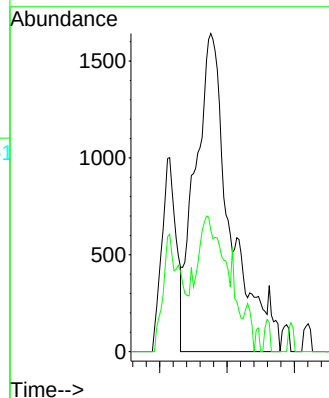
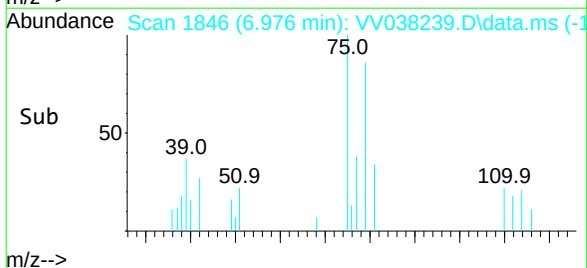
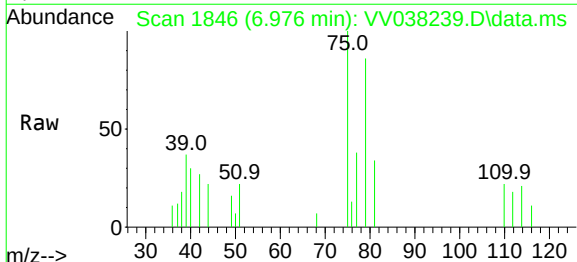
Manual Integrations
APPROVED

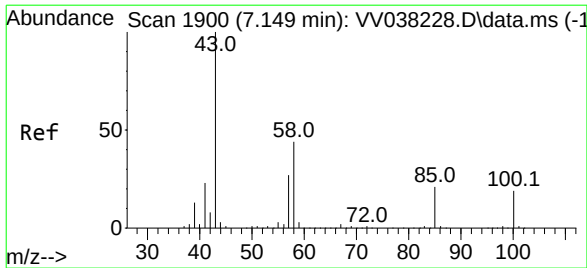
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#39
cis-1,3-Dichloropropene
Concen: 0.236 ug/L m
RT: 6.976 min Scan# 1846
Delta R.T. 0.026 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

Tgt Ion: 75 Resp: 5965
Ion Ratio Lower Upper
75 100
77 38.1 23.4 43.6





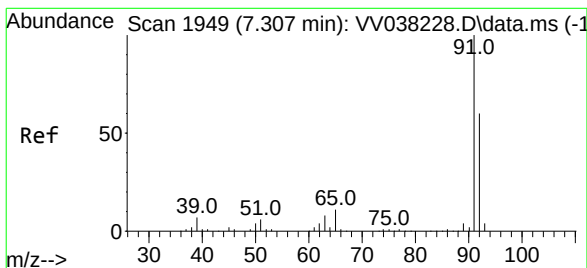
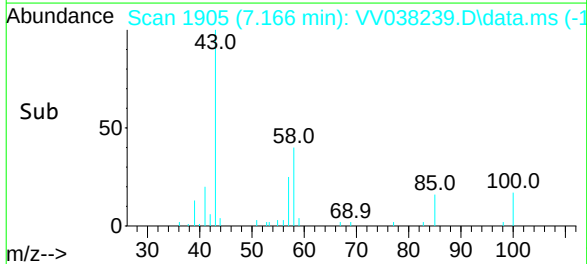
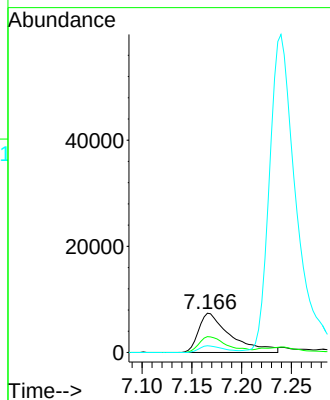
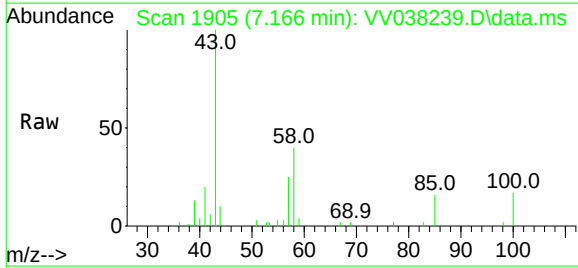
#40
4-Methyl-2-pentanone
Concen: 1.754 ug/L
RT: 7.166 min Scan# 1905
Delta R.T. 0.016 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-07

Tgt Ion	43	58	100
Ratio	100	35.2	0.0
Lower		33.4	14.3
Upper		50.2	21.5

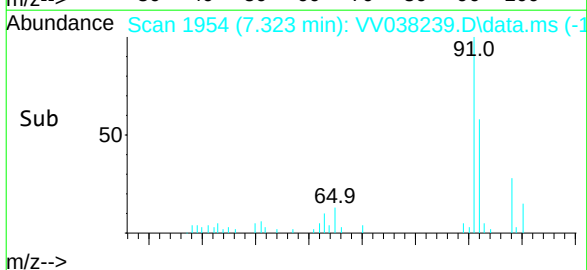
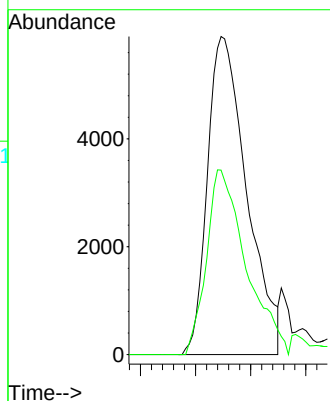
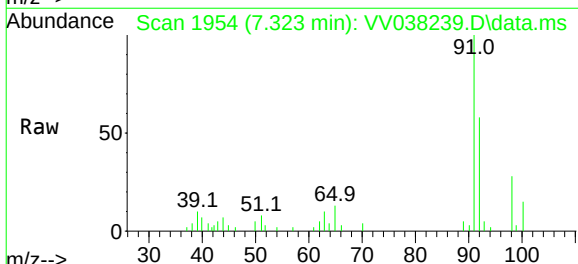
Manual Integrations
APPROVED

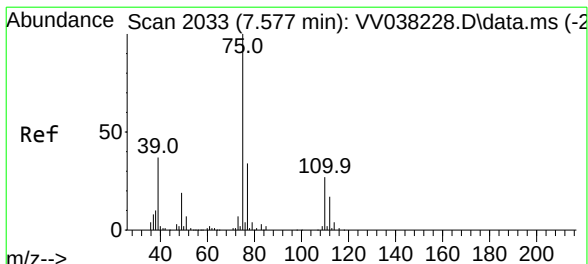
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#42
Toluene
Concen: 0.191 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. 0.016 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

Tgt Ion	91	92
Ratio	100	58.0
Lower		40.8
Upper		75.8





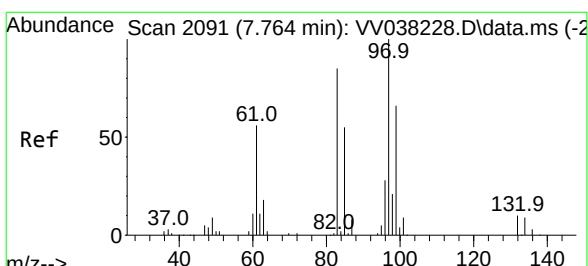
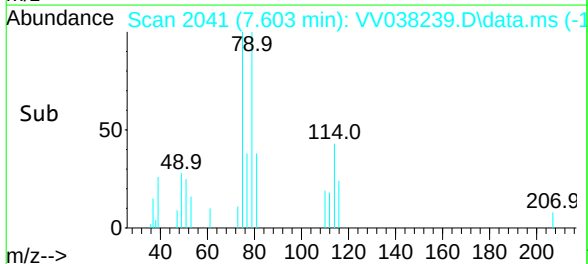
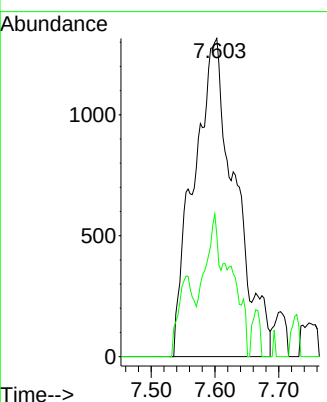
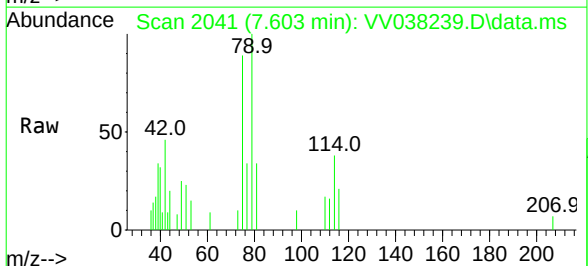
#44
trans-1,3-Dichloropropene
Concen: 0.277 ug/L m
RT: 7.603 min Scan# 2033
Delta R.T. 0.026 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-07

Tgt Ion:	75	Resp:	5910
Ion	Ratio	Lower	Upper
75	100		
77	38.2	23.4	43.4

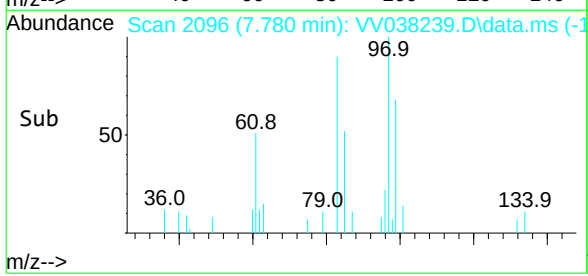
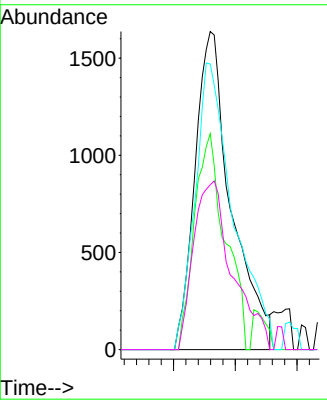
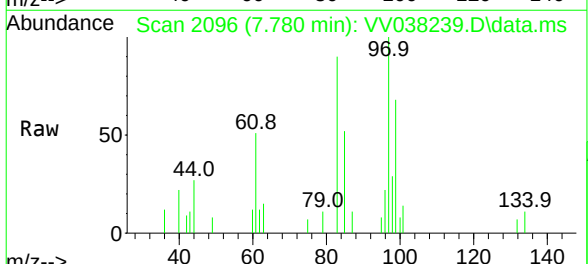
Manual Integrations
APPROVED

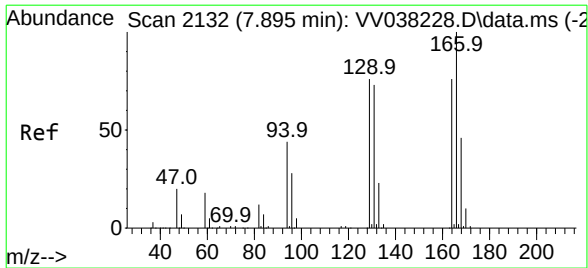
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#45
1,1,2-Trichloroethane
Concen: 0.228 ug/L
RT: 7.780 min Scan# 2096
Delta R.T. 0.016 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

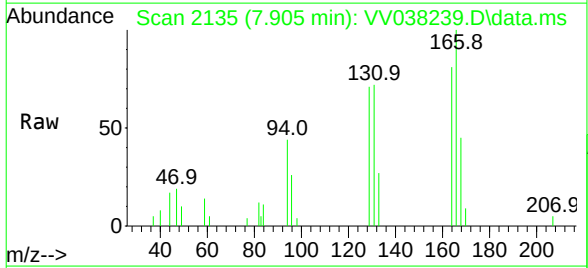
Tgt Ion:	97	Resp:	3343
Ion	Ratio	Lower	Upper
97	100		
99	67.9	41.9	77.7
83	89.8	57.7	107.1
85	51.8	36.2	67.2





#47
Tetrachloroethene
Concen: 0.272 ug/L
RT: 7.905 min Scan# 2132
Delta R.T. 0.010 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

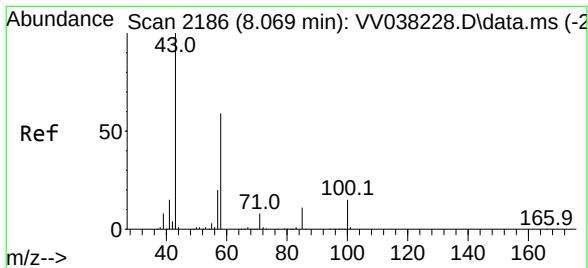
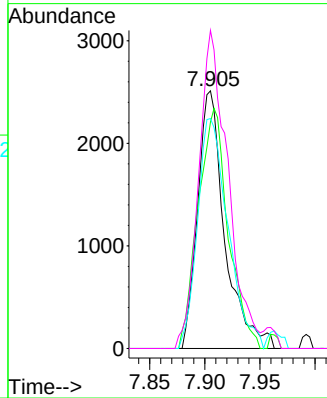
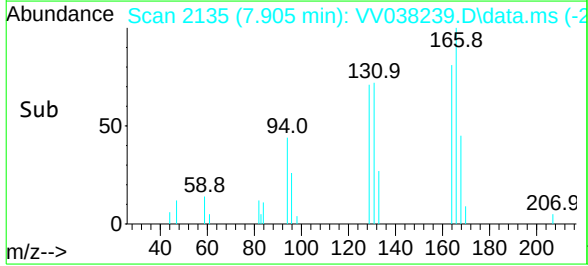
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion:	164	Resp:	4305
Ion	Ratio	Lower	Upper
164	100		
129	87.9	68.5	127.1
131	89.3	64.8	120.4
166	123.4	88.3	163.9

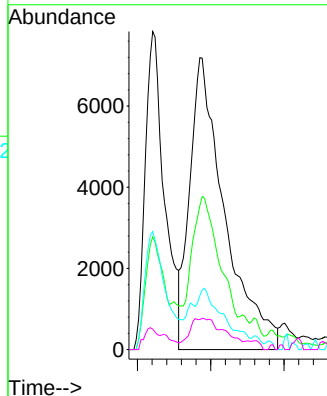
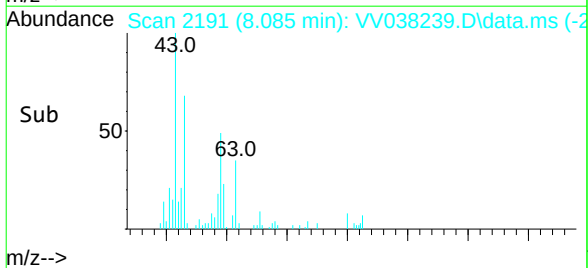
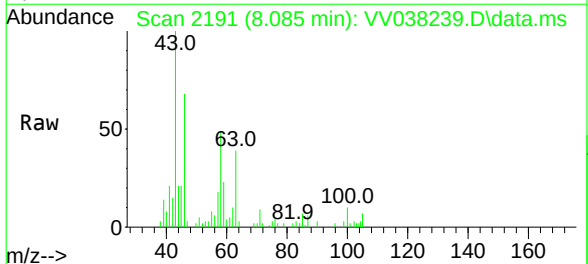
Manual Integrations
APPROVED

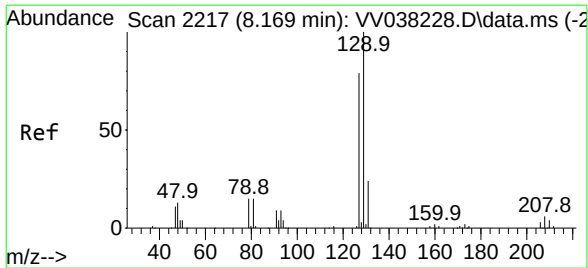
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#48
2-Hexanone
Concen: 3.475 ug/L m
RT: 8.085 min Scan# 2191
Delta R.T. 0.016 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

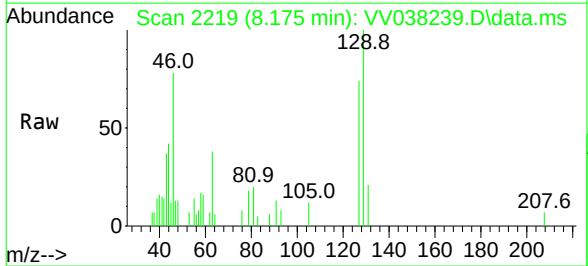
Tgt Ion:	43	Resp:	23852
Ion	Ratio	Lower	Upper
43	100		
58	32.6	49.2	73.8#
57	19.8	16.9	25.3
100	7.2	11.8	17.8#





#49
 Dibromochloromethane
 Concen: 0.244 ug/L
 RT: 8.175 min Scan# 2219
 Delta R.T. 0.006 min
 Lab File: VV038239.D
 Acq: 21 Nov 2024 14:22

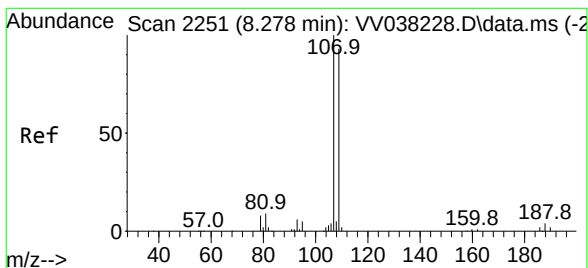
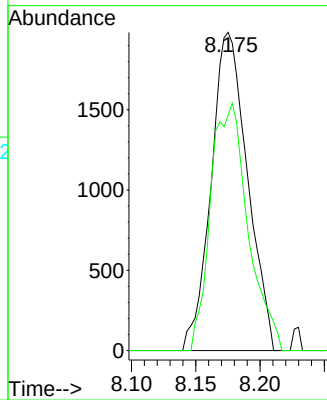
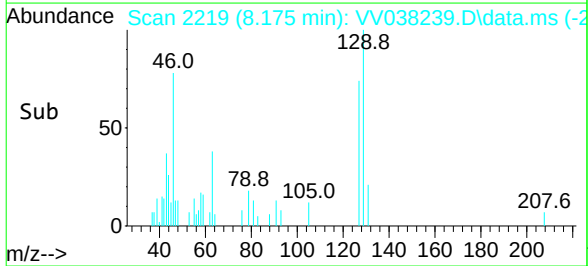
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2024-07



Tgt Ion: 129 Resp: 3894
 Ion Ratio Lower Upper
 129 100
 127 74.0 53.5 99.3

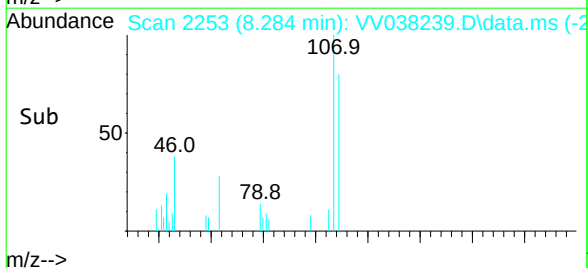
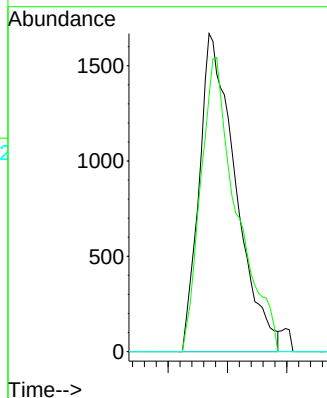
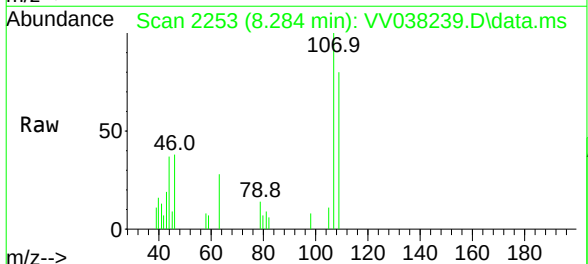
Manual Integrations
 APPROVED

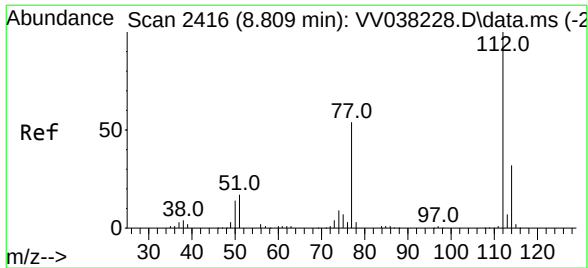
Reviewed By : Mahesh Dadoda 11/25/2024
 Supervised By : Semsettin Yesilyurt 11/25/2024



#50
 1,2-Dibromoethane
 Concen: 0.260 ug/L
 RT: 8.284 min Scan# 2253
 Delta R.T. 0.006 min
 Lab File: VV038239.D
 Acq: 21 Nov 2024 14:22

Tgt Ion: 107 Resp: 3541
 Ion Ratio Lower Upper
 107 100
 109 80.3 66.1 122.7
 188 0.0 2.6 3.8





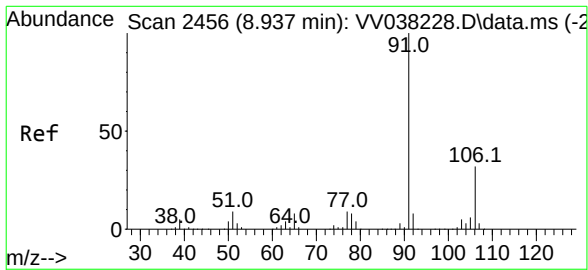
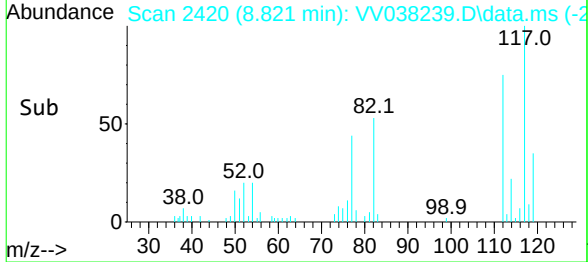
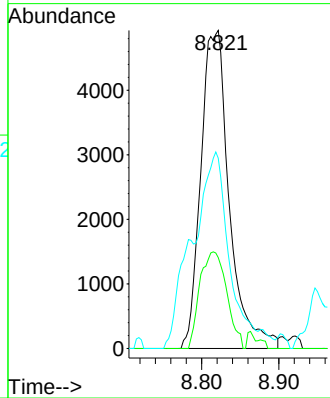
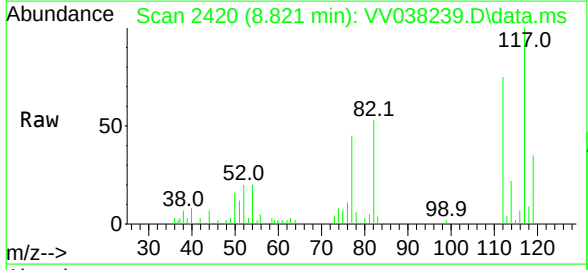
#51
Chlorobenzene
Concen: 0.240 ug/L
RT: 8.821 min Scan# 2416
Delta R.T. 0.013 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-07

Tgt Ion	Ratio	Lower	Upper
112	100		
114	28.6	22.0	40.8
77	59.8	45.0	67.4

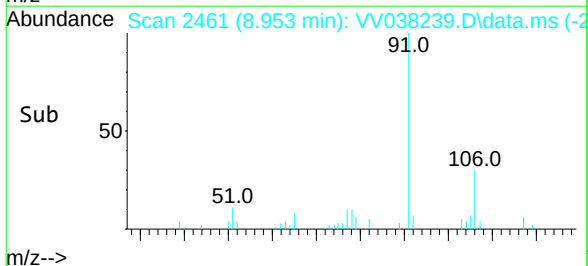
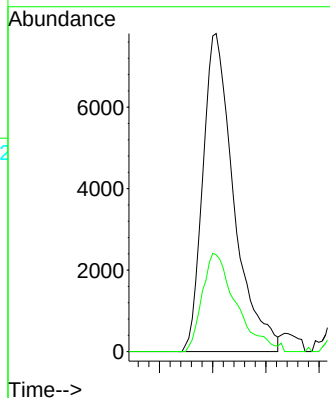
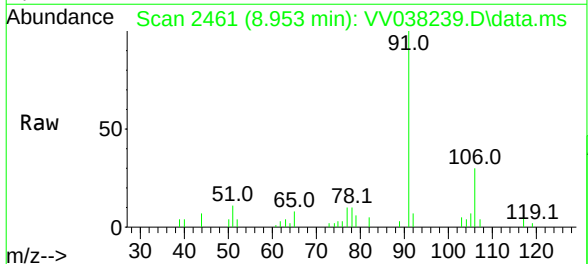
Manual Integrations
APPROVED

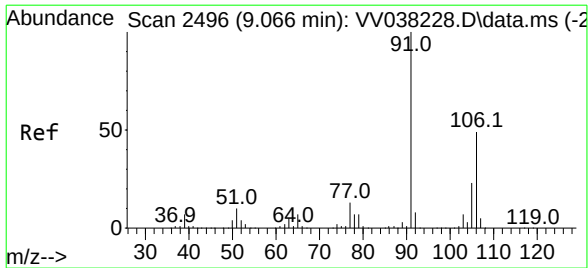
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#52
Ethylbenzene
Concen: 0.195 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.016 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	21.8	40.4





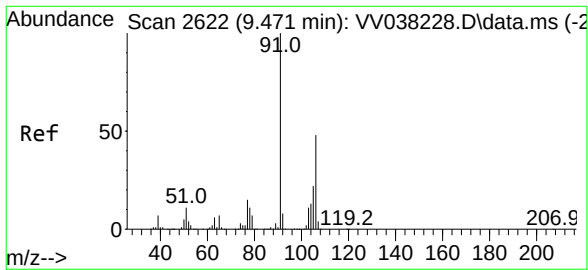
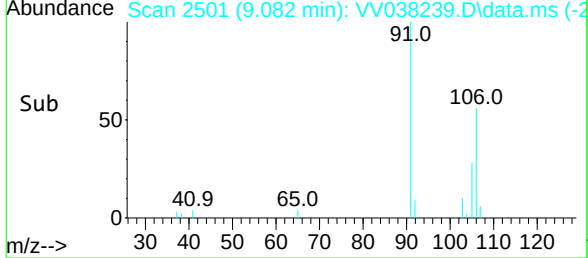
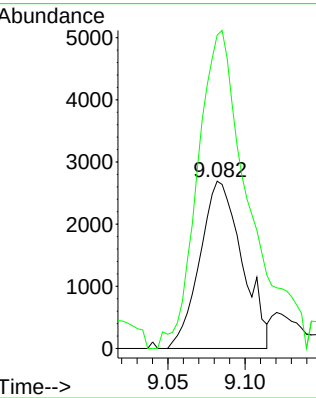
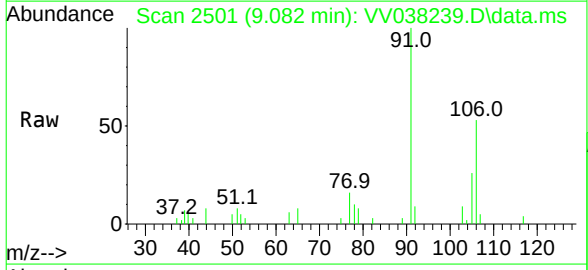
#53
m,p-Xylene
Concen: 0.167 ug/L
RT: 9.082 min Scan# 251
Delta R.T. 0.016 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-07

Tgt Ion:106 Resp: 5122
Ion Ratio Lower Upper
106 100
91 187.4 138.7 257.5

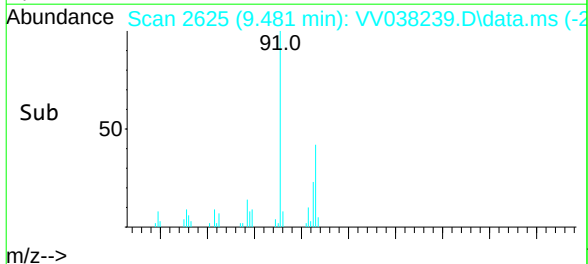
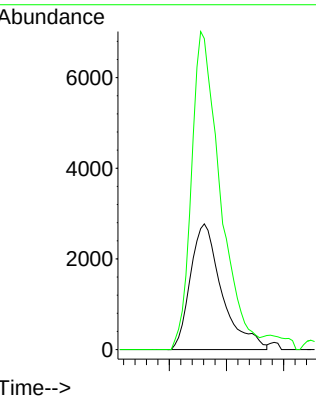
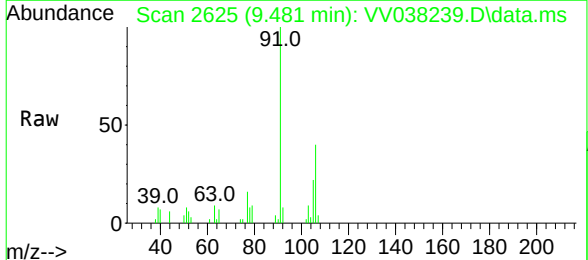
Manual Integrations
APPROVED

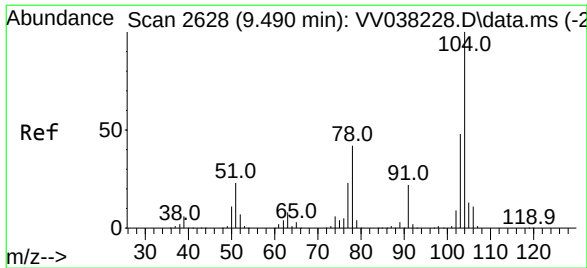
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#54
o-Xylene
Concen: 0.179 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.010 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

Tgt Ion:106 Resp: 5323
Ion Ratio Lower Upper
106 100
91 247.4 155.5 288.7





#55

Styrene

Concen: 0.155 ug/L m

RT: 9.513 min Scan# 26

Delta R.T. 0.023 min

Lab File: VV038239.D

Acq: 21 Nov 2024 14:22

Instrument :

MSVOA_V

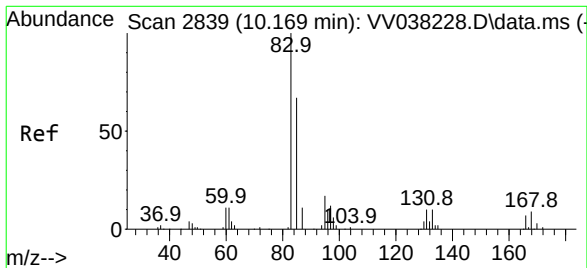
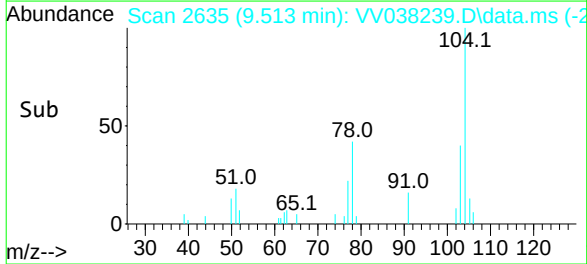
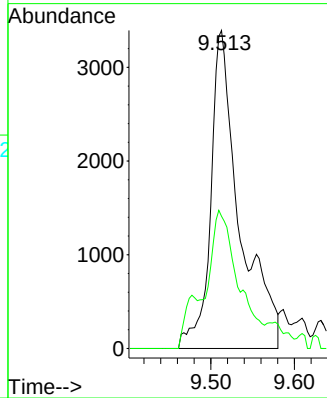
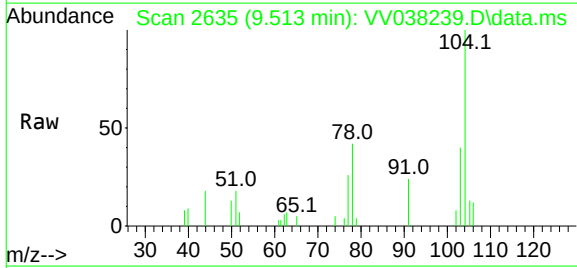
ClientSampleId :

MDL-WATER-QT4-2024-07

Tgt Ion	Ratio	Lower	Upper
104	100		
78	41.6	29.7	55.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#57

1,1,2,2-Tetrachloroethane

Concen: 0.257 ug/L

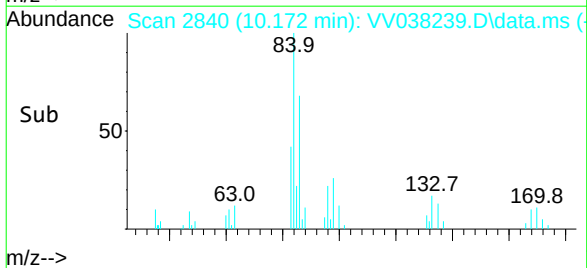
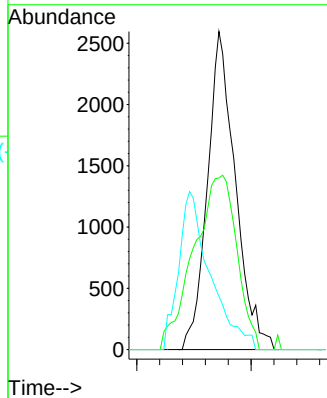
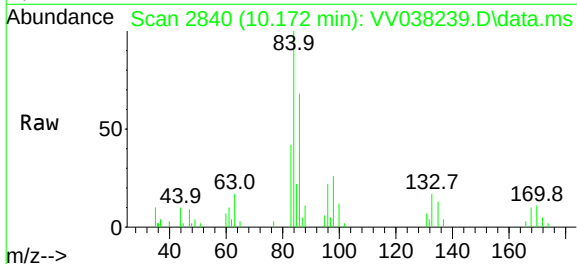
RT: 10.172 min Scan# 2840

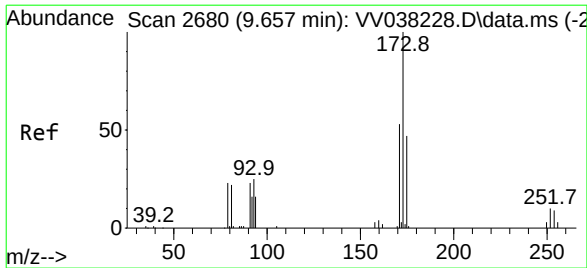
Delta R.T. 0.003 min

Lab File: VV038239.D

Acq: 21 Nov 2024 14:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.0	45.7	84.9
131	16.8	8.2	12.4





#59

Bromoform

Concen: 0.238 ug/L

RT: 9.674 min Scan# 2685

Delta R.T. 0.016 min

Lab File: VV038239.D

Acq: 21 Nov 2024 14:22

Instrument :

MSVOA_V

ClientSampleId :

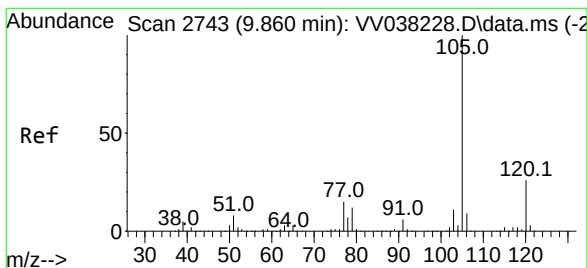
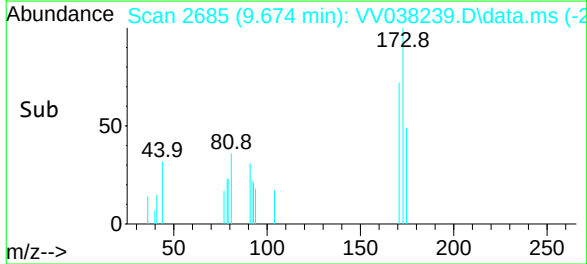
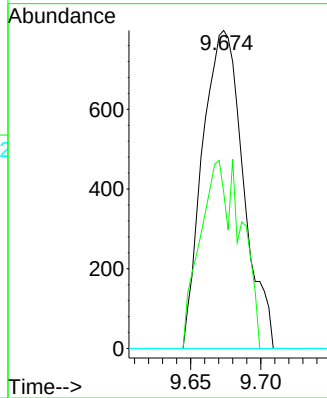
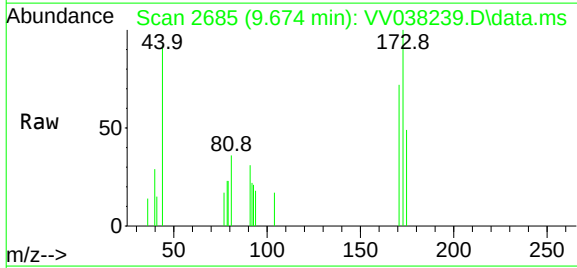
MDL-WATER-QT4-2024-07

Tgt	Ion:173	Resp:	1611
Ion	Ratio	Lower	Upper
173	100		
175	38.5	38.5	57.7
254	0.0	6.9	10.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#60

Isopropylbenzene

Concen: 0.210 ug/L

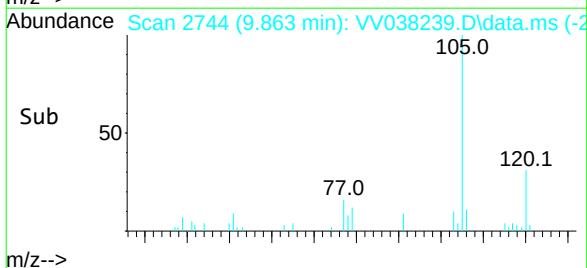
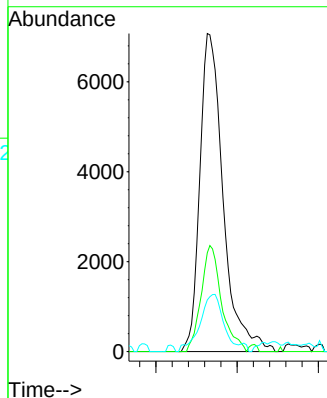
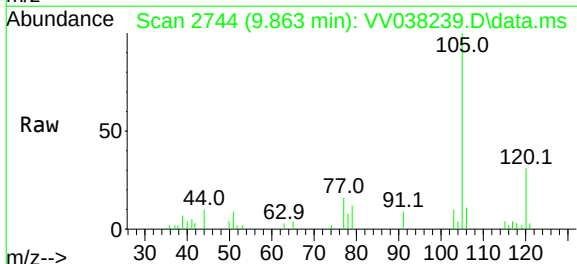
RT: 9.863 min Scan# 2744

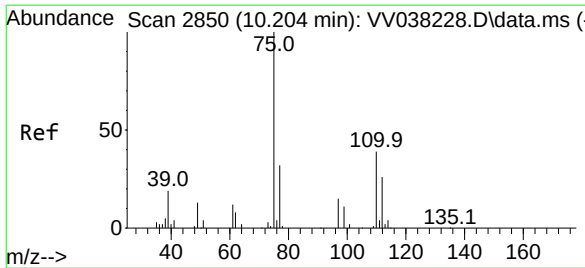
Delta R.T. 0.003 min

Lab File: VV038239.D

Acq: 21 Nov 2024 14:22

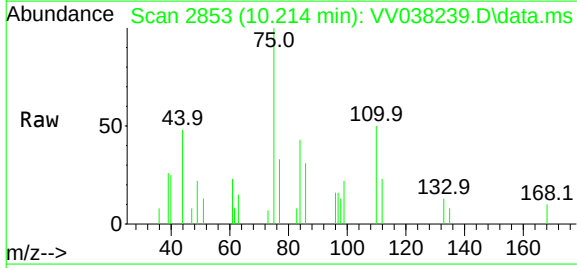
Tgt	Ion:105	Resp:	14101
Ion	Ratio	Lower	Upper
105	100		
120	29.1	20.8	31.2
77	18.0	12.2	18.2





#61
1,2,3-Trichloropropane
Concen: 0.271 ug/L
RT: 10.214 min Scan# 2850
Delta R.T. 0.010 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

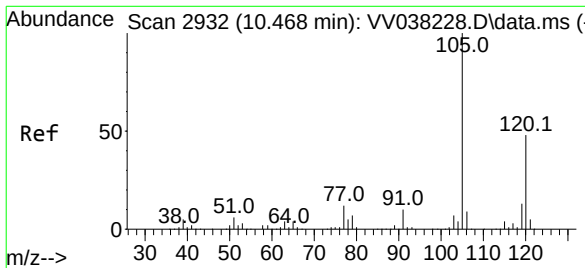
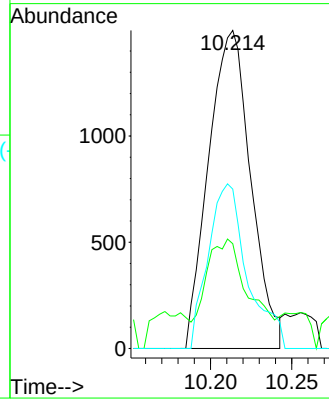
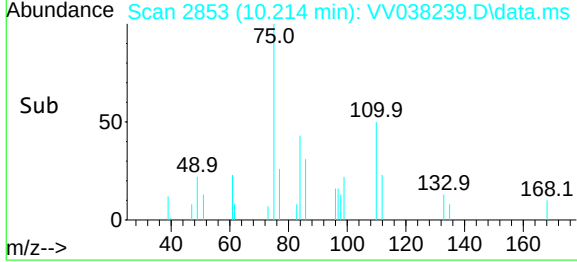
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion: 75 Resp: 2707
Ion Ratio Lower Upper
75 100
77 35.8 26.4 39.6
110 47.9 32.3 48.5

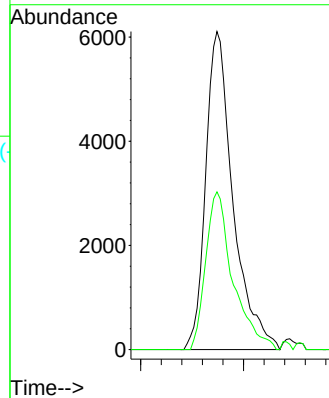
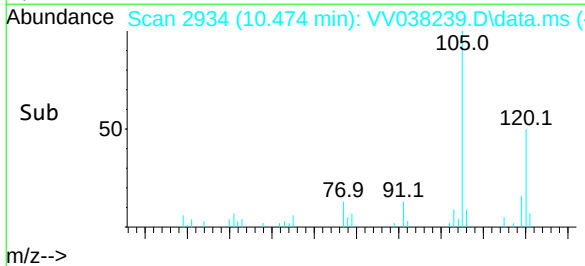
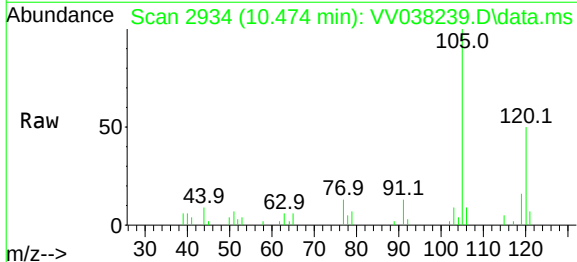
Manual Integrations
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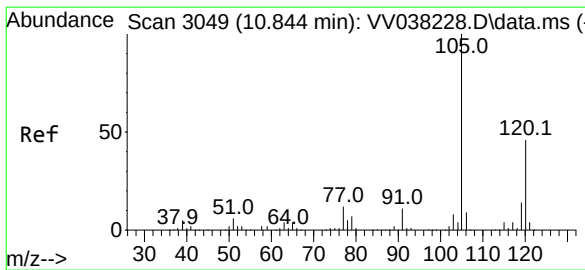
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#62
1,3,5-Trimethylbenzene
Concen: 0.211 ug/L
RT: 10.474 min Scan# 2934
Delta R.T. 0.006 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

Tgt Ion:105 Resp: 11255
Ion Ratio Lower Upper
105 100
120 49.5 39.2 58.8





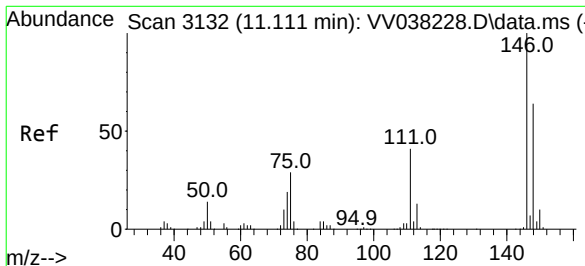
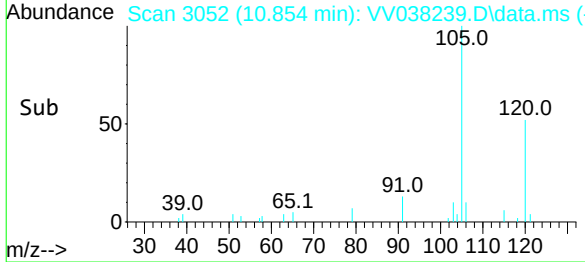
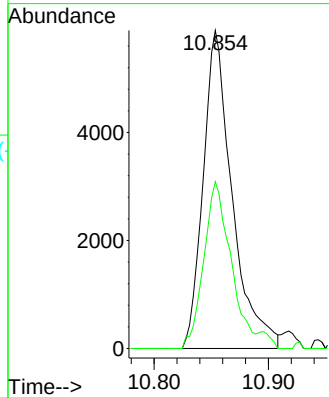
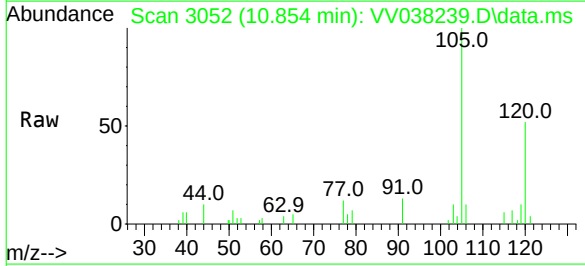
#63
1,2,4-Trimethylbenzene
Concen: 0.195 ug/L
RT: 10.854 min Scan# 3049
Delta R.T. 0.010 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-07

Tgt Ion:105 Resp: 10354
Ion Ratio Lower Upper
105 100
120 49.0 37.0 55.4

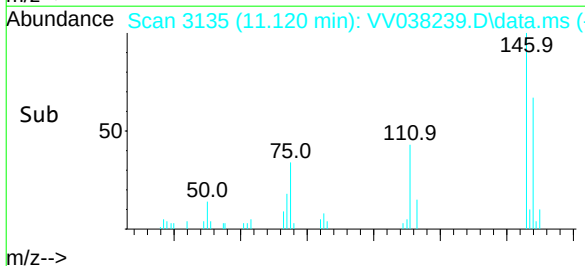
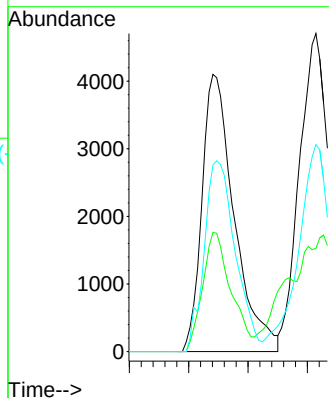
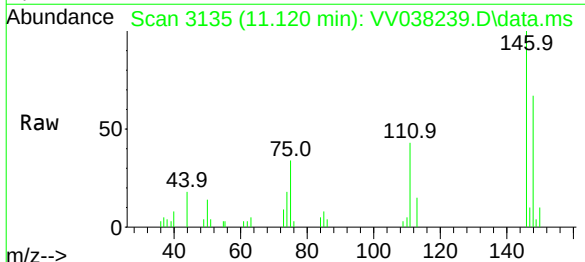
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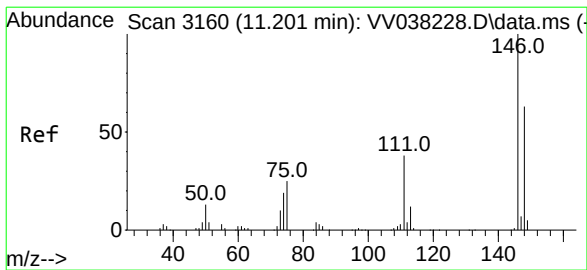
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#64
1,3-Dichlorobenzene
Concen: 0.215 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.010 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

Tgt Ion:146 Resp: 7739
Ion Ratio Lower Upper
146 100
111 43.0 28.2 52.4
148 67.3 44.2 82.2





#65

1,4-Dichlorobenzene

Concen: 0.260 ug/L

RT: 11.207 min Scan# 3160

Delta R.T. 0.006 min

Lab File: VV038239.D

Acq: 21 Nov 2024 14:22

Instrument :

MSVOA_V

ClientSampleId :

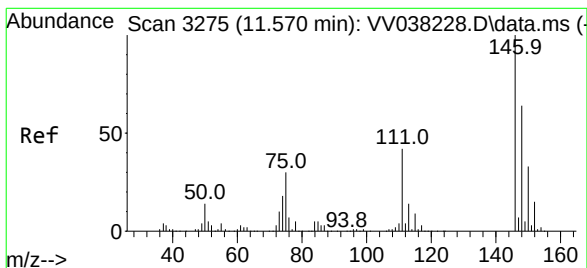
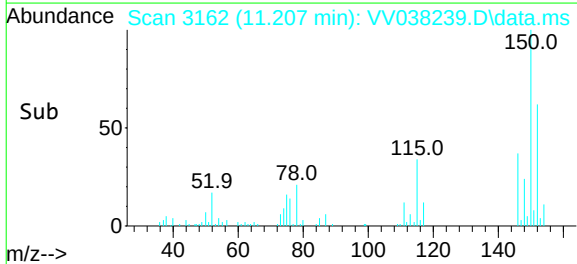
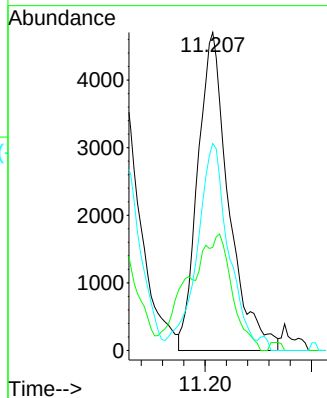
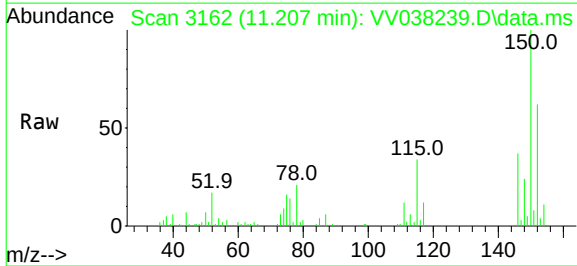
MDL-WATER-QT4-2024-07

Tgt	Ion:146	Resp:	9473
Ion	Ratio	Lower	Upper
146	100		
111	32.4	27.4	50.8
148	65.1	44.4	82.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#67

1,2-Dichlorobenzene

Concen: 0.259 ug/L

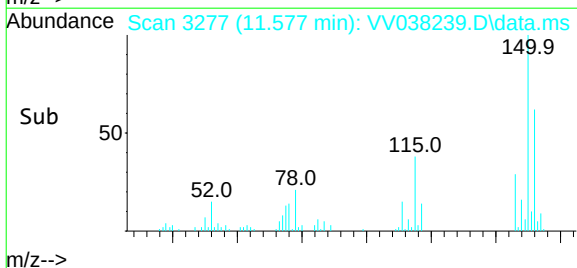
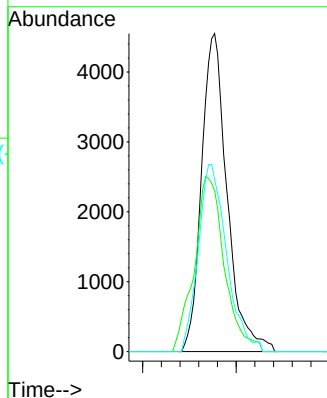
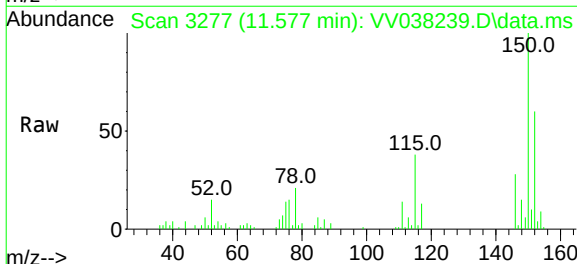
RT: 11.577 min Scan# 3277

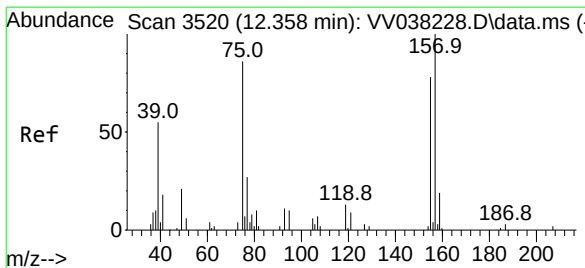
Delta R.T. 0.006 min

Lab File: VV038239.D

Acq: 21 Nov 2024 14:22

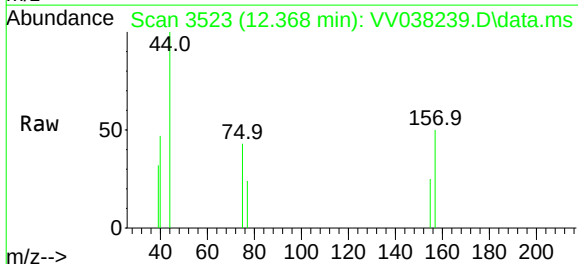
Tgt	Ion:146	Resp:	8642
Ion	Ratio	Lower	Upper
146	100		
111	50.5	34.2	51.2
148	54.2	51.0	76.4





#68
1,2-Dibromo-3-chloropropane
Concen: 0.198 ug/L
RT: 12.368 min Scan# 3520
Delta R.T. 0.010 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

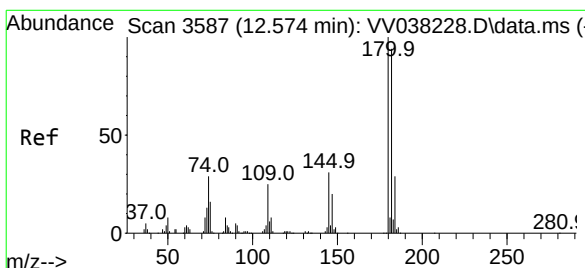
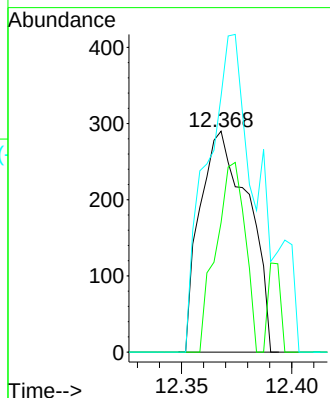
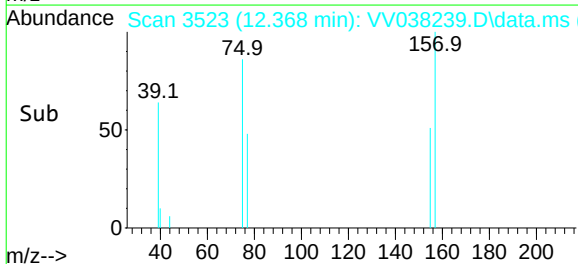
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion: 75 Resp: 443
Ion Ratio Lower Upper
75 100
155 58.6 67.5 101.3#
157 115.9 82.7 124.1

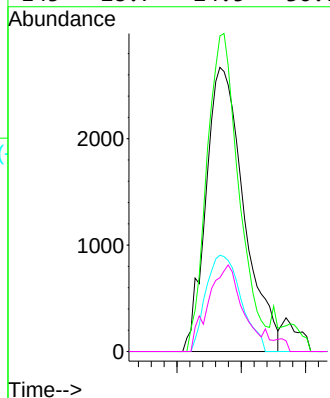
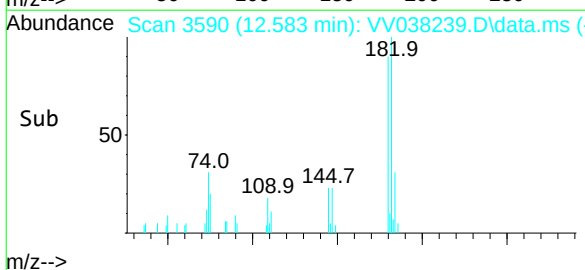
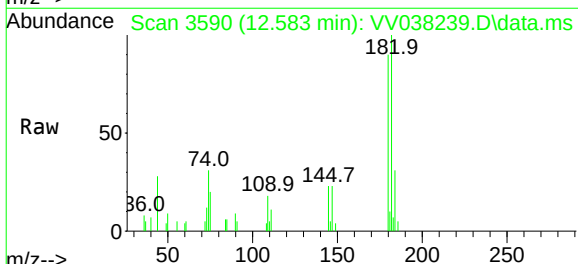
Manual Integrations
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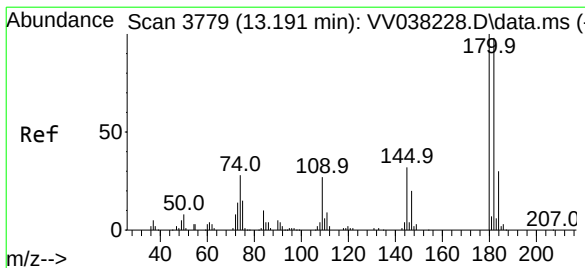
Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#69
1,3,5-Trichlorobenzene
Concen: 0.214 ug/L
RT: 12.583 min Scan# 3590
Delta R.T. 0.010 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

Tgt Ion:180 Resp: 5472
Ion Ratio Lower Upper
180 100
182 95.3 76.0 114.0
184 31.5 23.7 35.5
145 28.7 24.5 36.7





#70

1,2,4-trichlorobenzene

Concen: 0.201 ug/L

RT: 13.204 min Scan# 3779

Delta R.T. 0.013 min

Lab File: VV038239.D

Acq: 21 Nov 2024 14:22

Instrument :

MSVOA_V

ClientSampleId :

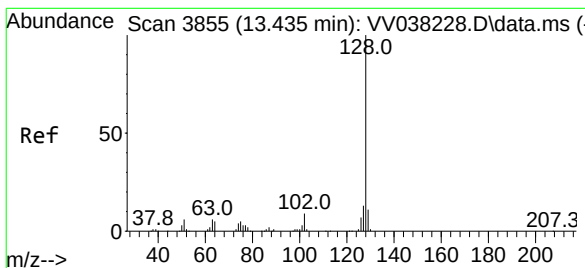
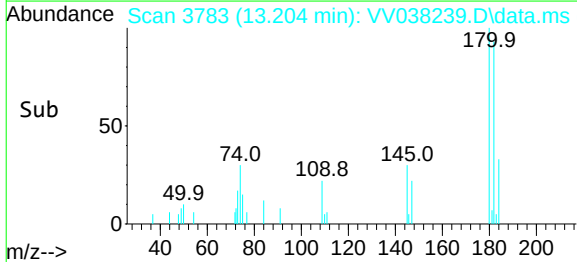
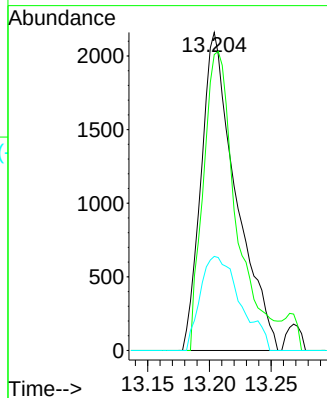
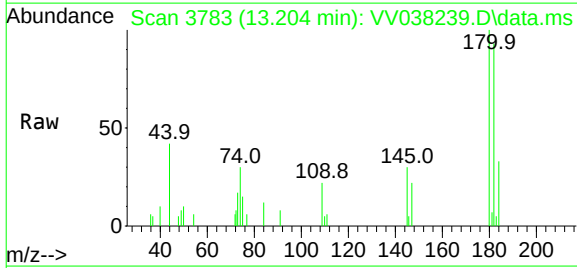
MDL-WATER-QT4-2024-07

Tgt Ion:	180	Resp:	4246
Ion Ratio	Lower	Upper	
180	100		
182	89.4	73.8	110.8
145	33.8	24.6	37.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#71

Naphthalene

Concen: 0.136 ug/L

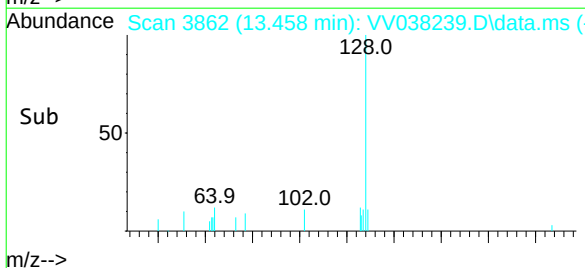
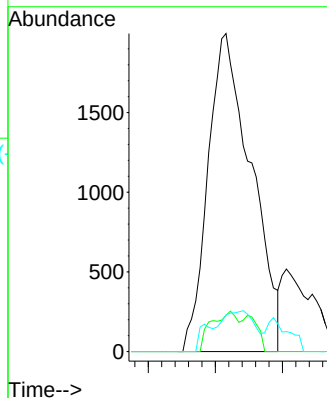
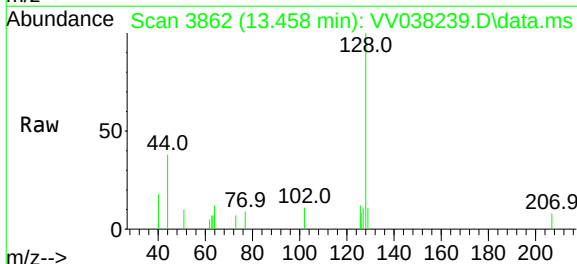
RT: 13.458 min Scan# 3862

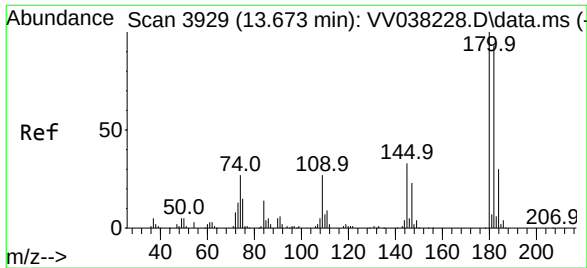
Delta R.T. 0.023 min

Lab File: VV038239.D

Acq: 21 Nov 2024 14:22

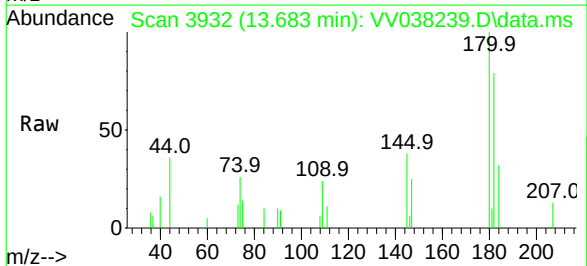
Tgt Ion:	128	Resp:	4465
Ion Ratio	Lower	Upper	
128	100		
129	7.7	8.5	12.7#
127	2.7	10.1	15.1#





#72
1,2,3-Trichlorobenzene
Concen: 0.190 ug/L
RT: 13.683 min Scan# 3929
Delta R.T. 0.010 min
Lab File: VV038239.D
Acq: 21 Nov 2024 14:22

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion:	180	Resp:	3698
Ion Ratio	Lower	Upper	
180	100		
182	91.5	75.1	112.7
145	34.0	27.0	40.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024

