

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112524\
 Data File : VV038340.D
 Acq On : 25 Nov 2024 13:39
 Operator : SY/MD
 Sample : P4776-02
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2024-08

Quant Time: Nov 26 01:27:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 26 00:39:03 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
 Supervised By :Semsettin Yesilyurt 11/26/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	200798	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	221980	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	91090	5.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.275	65	63678	4.137	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.800%
7) Chloroethane-d5	1.529	69	62842	5.048	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.000%
11) 1,1-Dichloroethene-d2	2.053	65	29423	4.442	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.800%
20) 2-Butanone-d5	3.789	46	150777	48.971	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.940%
24) Chloroform-d	4.240	84	156234	5.231	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.600%
26) 1,2-Dichloroethane-d4	4.937	65	72126	5.382	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.600%
32) Benzene-d6	4.953	84	258916	4.513	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
36) 1,2-Dichloropropane-d6	5.982	67	88602	5.019	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.400%
41) Toluene-d8	7.236	98	203056	3.825	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.600%
43) trans-1,3-Dichloroprop...	7.558	79	26551	4.045	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.000%
46) 2-Hexanone-d5	8.021	63	97189	38.093	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.180%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	73128	4.879	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.600%
66) 1,2-Dichlorobenzene-d4	11.554	152	80484	5.186	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.105	85	5388	0.284	ug/L	99
3) Chloromethane	1.214	50	5523	0.338	ug/L	92
5) Vinyl chloride	1.282	62	5772	0.311	ug/L #	78
6) Bromomethane	1.481	94	3533	0.489	ug/L	95
8) Chloroethane	1.545	64	3705	0.314	ug/L	83
9) Trichlorofluoromethane	1.709	101	7093	0.269	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	4989	0.331	ug/L	96
12) 1,1-Dichloroethene	2.063	96	4902	0.342	ug/L #	1
14) Carbon disulfide	2.236	76	11864	0.257	ug/L	99
15) Methyl Acetate	2.391	43	1267m	0.229	ug/L	
16) Methylene chloride	2.445	84	5269	0.322	ug/L	93
17) Methyl tert-butyl Ether	2.703	73	8554	0.264	ug/L	98
18) trans-1,2-Dichloroethene	2.693	96	4063	0.269	ug/L	87
19) 1,1-Dichloroethane	3.108	63	8582	0.313	ug/L	95
21) 2-Butanone	3.944	43	6821m	2.087	ug/L	
22) cis-1,2-Dichloroethene	3.809	96	4155	0.266	ug/L	96
23) Bromochloromethane	4.159	128	2039	0.267	ug/L	89
25) Chloroform	4.278	83	9705m	0.331	ug/L	
27) 1,2-Dichloroethane	5.060	62	4912m	0.308	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 1,1,1-Trichloroethane	4.497	97	6885m	0.259	ug/L	
30) Cyclohexane	4.568	56	4533	0.205	ug/L	92
31) Carbon tetrachloride	4.728	117	6234	0.265	ug/L	91
33) Benzene	5.015	78	15933m	0.256	ug/L	
34) Trichloroethene	5.838	95	4530m	0.267	ug/L	
35) Methylcyclohexane	6.040	83	5331	0.222	ug/L	96
37) 1,2-Dichloropropane	6.098	63	4838	0.310	ug/L #	90
38) Bromodichloromethane	6.439	83	5768	0.275	ug/L	86
39) cis-1,3-Dichloropropene	6.976	75	4544m	0.208	ug/L	
40) 4-Methyl-2-pentanone	7.169	43	16432	2.010	ug/L #	70
42) Toluene	7.320	91	13961	0.211	ug/L	98
44) trans-1,3-Dichloropropene	7.593	75	5738m	0.312	ug/L	
45) 1,1,2-Trichloroethane	7.780	97	3631	0.287	ug/L	85
47) Tetrachloroethene	7.908	164	3921	0.287	ug/L	95
48) 2-Hexanone	8.088	43	23073	3.892	ug/L #	69
49) Dibromochloromethane	8.178	129	3645	0.264	ug/L	90
50) 1,2-Dibromoethane	8.288	107	3000	0.255	ug/L #	94
51) Chlorobenzene	8.821	112	10862	0.239	ug/L	93
52) Ethylbenzene	8.953	91	14355	0.205	ug/L	94
53) m,p-Xylene	9.082	106	4582	0.173	ug/L	97
54) o-Xylene	9.477	106	4621	0.180	ug/L	80
55) Styrene	9.509	104	6385	0.141	ug/L	86
57) 1,1,2,2-Tetrachloroethane	10.175	83	4023	0.272	ug/L #	85
59) Bromoform	9.664	173	1711	0.323	ug/L #	63
60) Isopropylbenzene	9.863	105	13129	0.250	ug/L	97
61) 1,2,3-Trichloropropane	10.210	75	2507	0.321	ug/L #	71
62) 1,3,5-Trimethylbenzene	10.474	105	9564	0.230	ug/L	95
63) 1,2,4-Trimethylbenzene	10.857	105	9564	0.230	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	7507	0.266	ug/L	92
65) 1,4-Dichlorobenzene	11.204	146	7694	0.270	ug/L	94
67) 1,2-Dichlorobenzene	11.574	146	7268	0.279	ug/L	91
68) 1,2-Dibromo-3-chloropr...	12.371	75	505	0.288	ug/L #	82
69) 1,3,5-Trichlorobenzene	12.583	180	4802	0.241	ug/L	96
70) 1,2,4-trichlorobenzene	13.207	180	3485	0.211	ug/L #	89
71) Naphthalene	13.458	128	3319m	0.129	ug/L	
72) 1,2,3-Trichlorobenzene	13.686	180	2963	0.194	ug/L	99

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

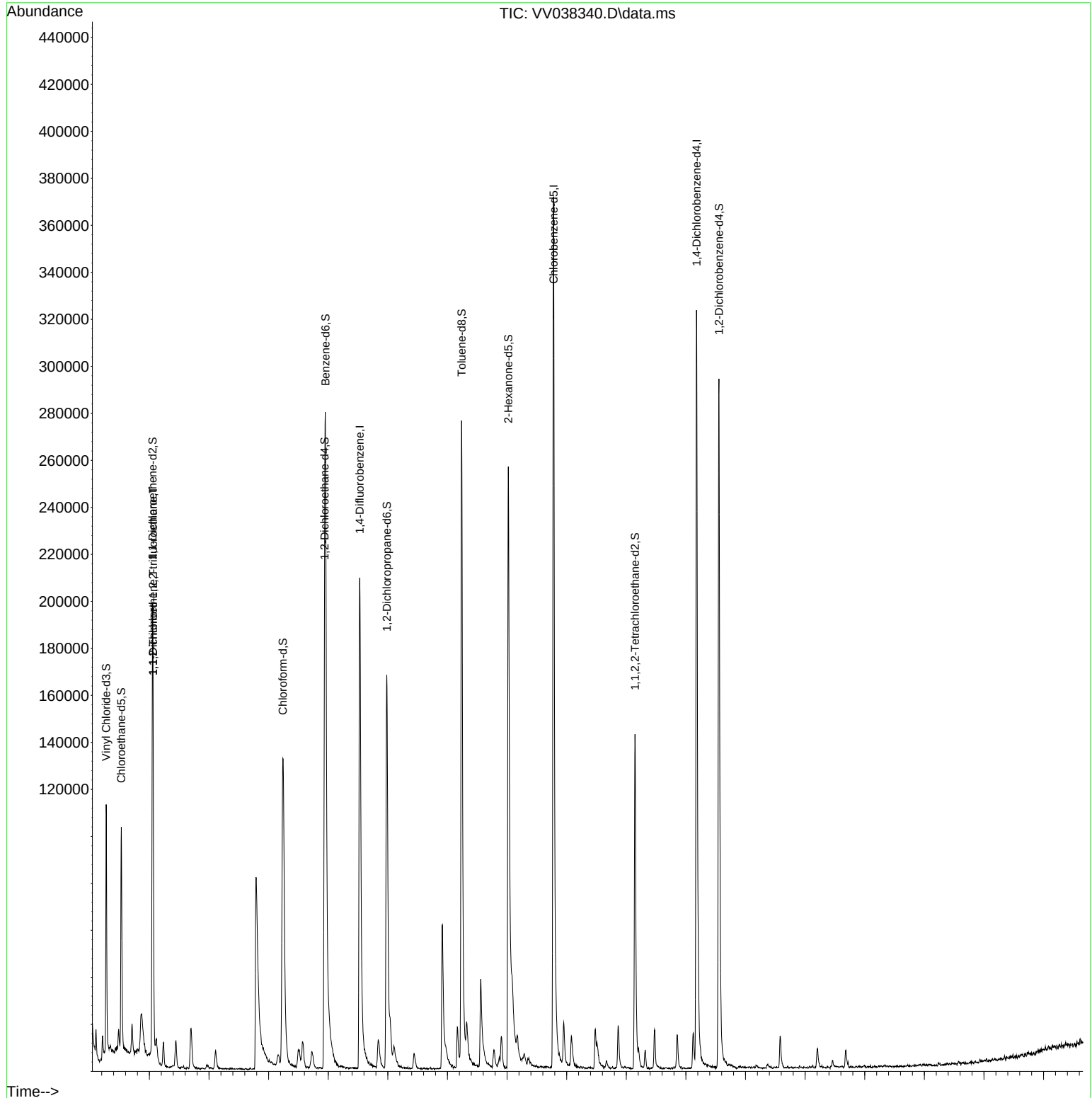
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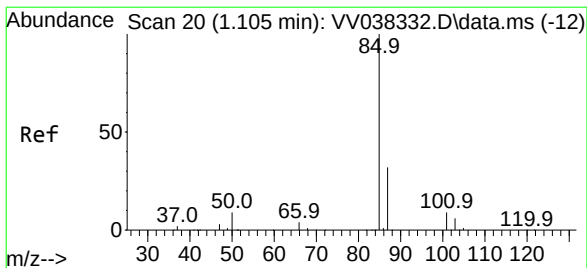
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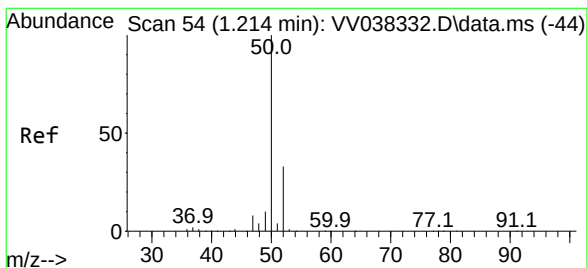
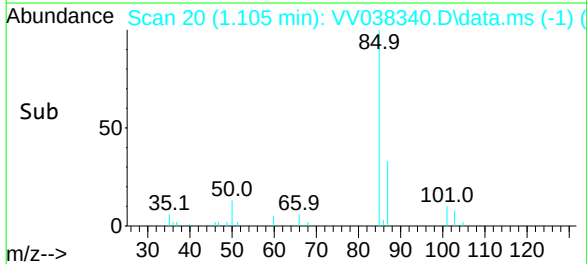
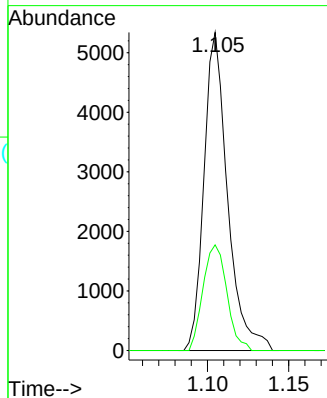
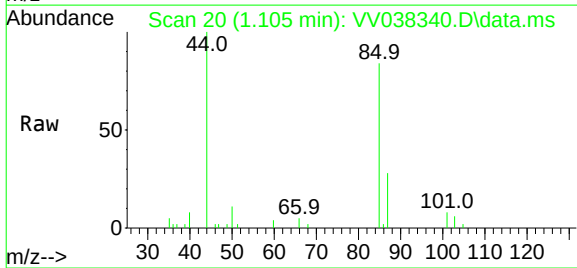
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Dichlorodifluoromethane
Concen: 0.284 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-08

Tgt Ion: 85 Resp: 5388
Ion Ratio Lower Upper
85 100
87 33.6 26.5 39.7

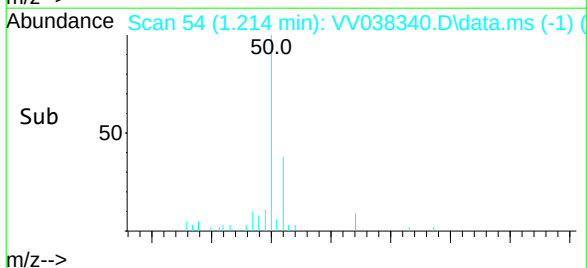
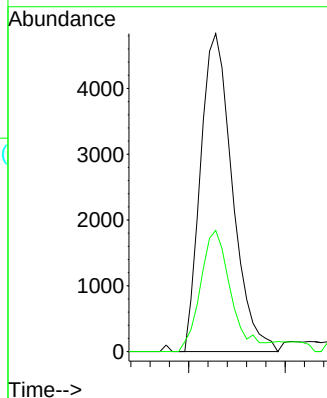
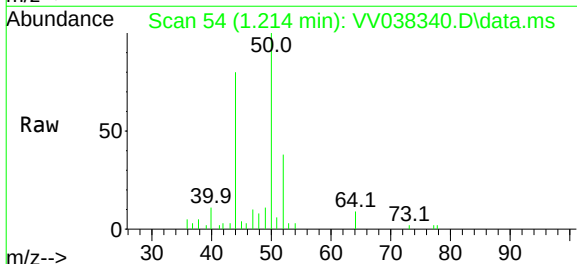
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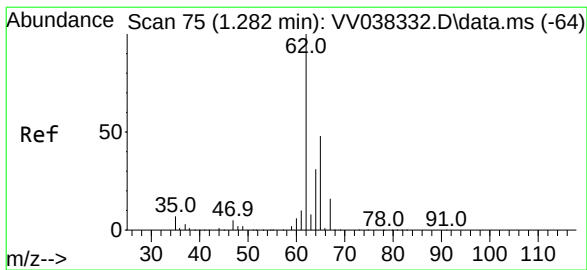
Reviewed By :Mahesh Dadoda 11/26/2024
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#3
Chloromethane
Concen: 0.338 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.000 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

Tgt Ion: 50 Resp: 5523
Ion Ratio Lower Upper
50 100
52 38.1 23.5 43.7





#5

Vinyl chloride

Concen: 0.311 ug/L

RT: 1.282 min Scan# 75

Delta R.T. 0.000 min

Lab File: VV038340.D

Acq: 25 Nov 2024 13:39

Instrument :

MSVOA_V

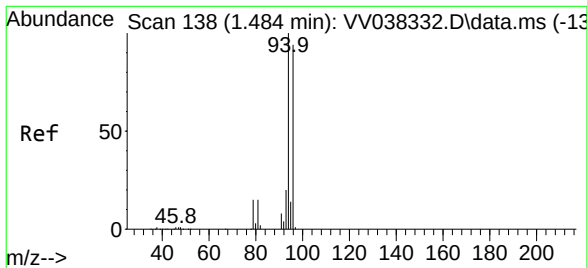
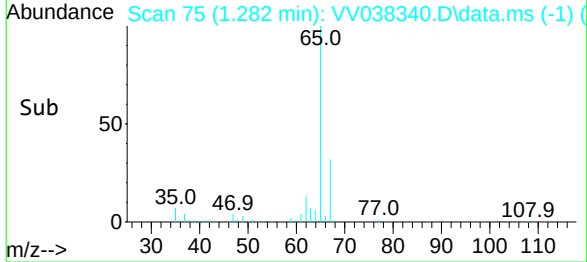
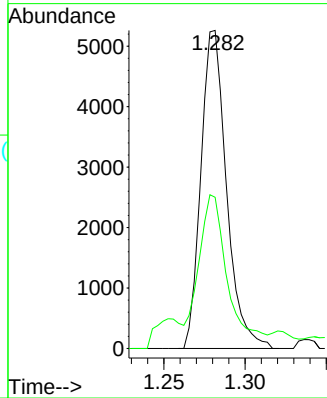
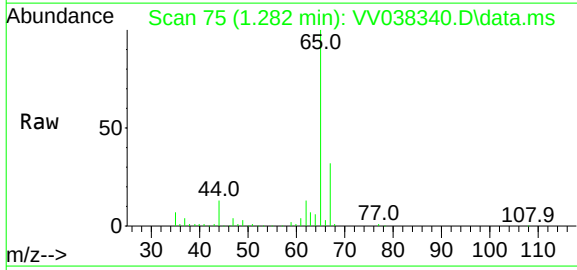
ClientSampleId :

MDL-WATER-QT4-2024-08

Tgt Ion: 62 Resp: 5772
 Ion Ratio Lower Upper
 62 100
 64 47.5 24.4 45.4#

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#6

Bromomethane

Concen: 0.489 ug/L

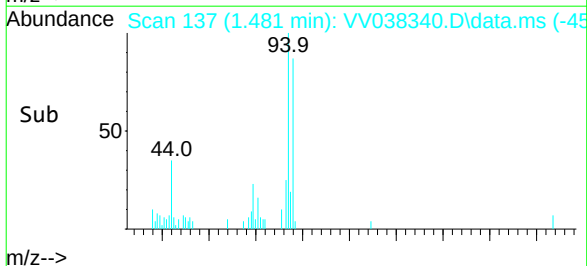
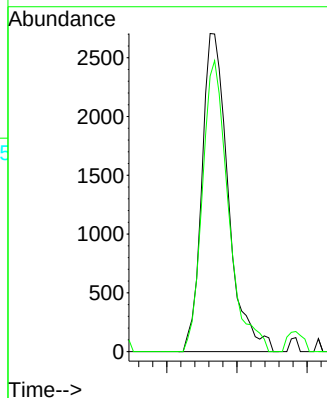
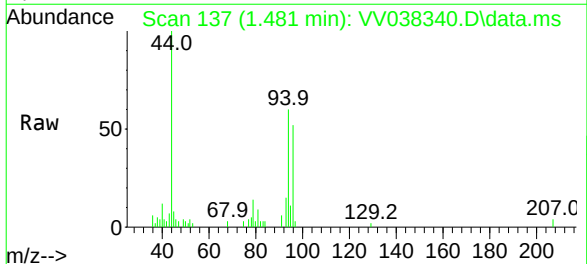
RT: 1.481 min Scan# 137

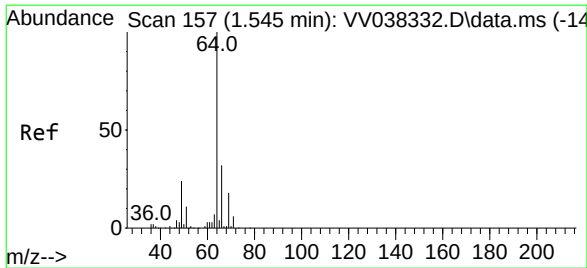
Delta R.T. -0.003 min

Lab File: VV038340.D

Acq: 25 Nov 2024 13:39

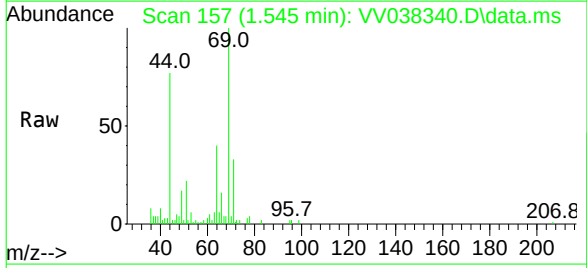
Tgt Ion: 94 Resp: 3533
 Ion Ratio Lower Upper
 94 100
 96 86.6 63.7 118.3





#8
Chloroethane
Concen: 0.314 ug/L
RT: 1.545 min Scan# 15
Delta R.T. 0.000 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

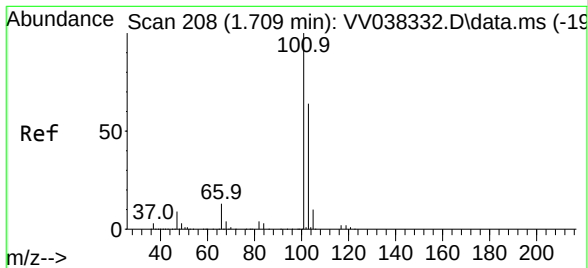
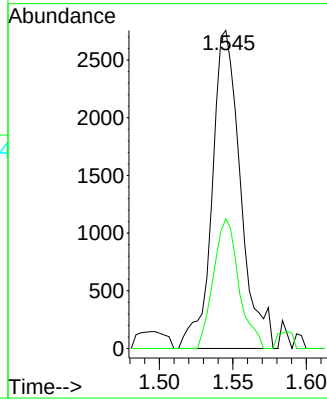
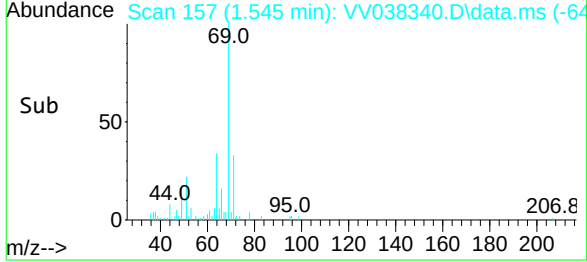
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-08



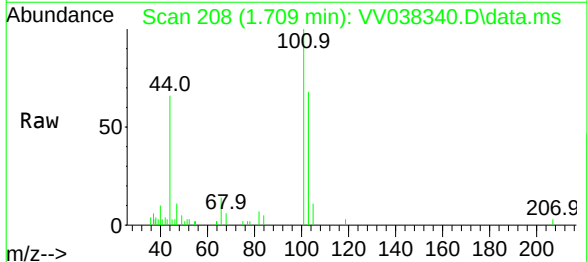
Tgt Ion: 64 Resp: 3705
Ion Ratio Lower Upper
64 100
66 40.8 22.0 40.8

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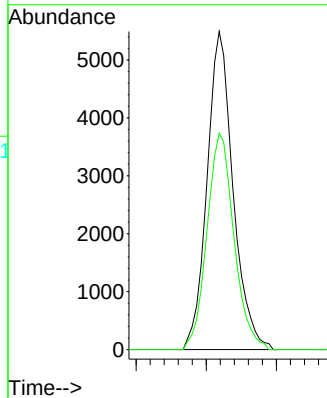
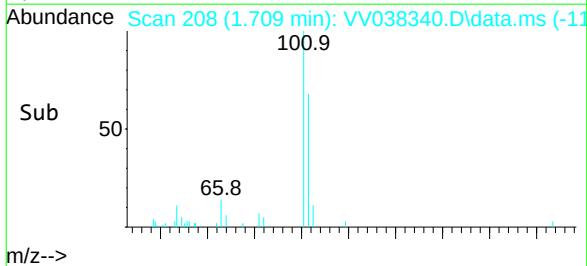
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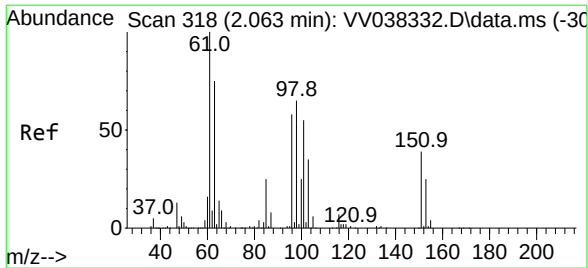


#9
Trichlorofluoromethane
Concen: 0.269 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39



Tgt Ion:101 Resp: 7093
Ion Ratio Lower Upper
101 100
103 70.4 51.5 77.3





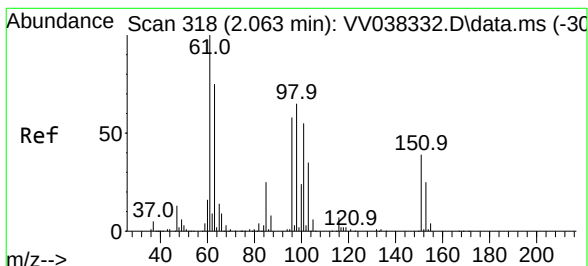
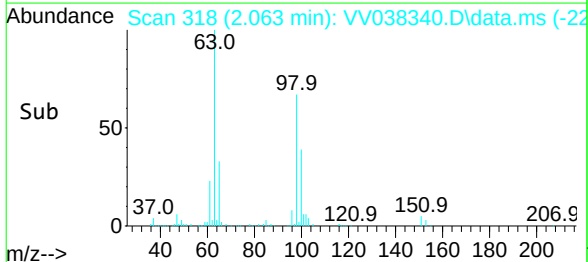
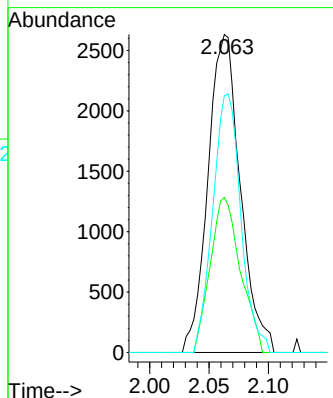
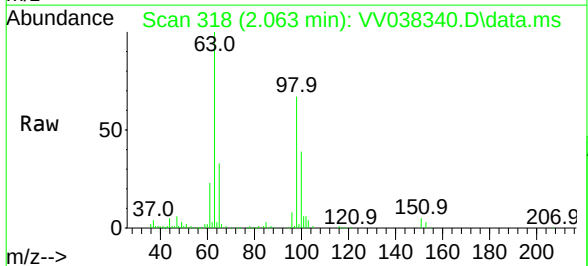
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.331 ug/L
RT: 2.063 min Scan# 318
Delta R.T. 0.000 min
Lab File: VV038340.D
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Tgt Ion:	101	Resp:	4989
Ion Ratio	Lower	Upper	
101	100		
85	45.6	33.4	50.0
151	70.7	58.8	88.2

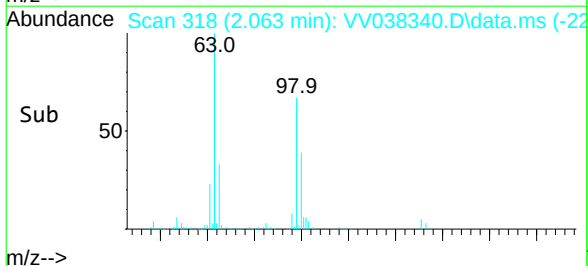
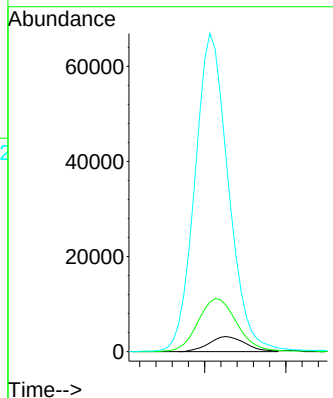
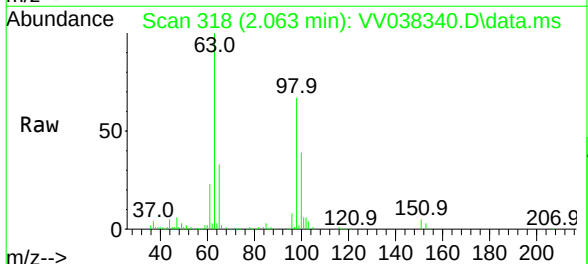
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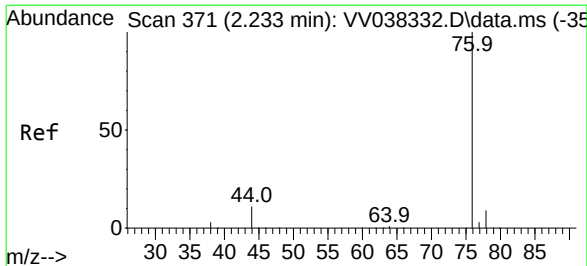
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#12
1,1-Dichloroethene
Concen: 0.342 ug/L
RT: 2.063 min Scan# 318
Delta R.T. 0.000 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

Tgt Ion:	96	Resp:	4902
Ion Ratio	Lower	Upper	
96	100		
61	309.8	115.7	214.9#
63	1322.0	101.1	187.7#





#14

Carbon disulfide

Concen: 0.257 ug/L

RT: 2.236 min Scan# 371

Delta R.T. 0.003 min

Lab File: VV038340.D

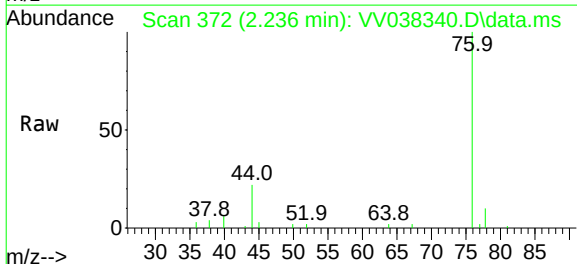
Acq: 25 Nov 2024 13:39

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2024-08



Tgt Ion: 76 Resp: 11864

Ion Ratio Lower Upper

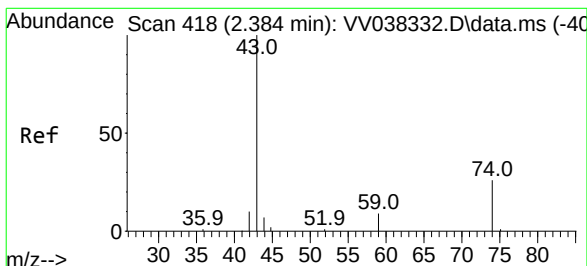
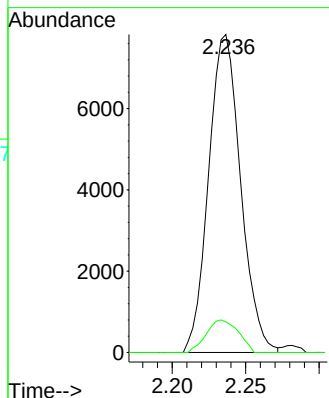
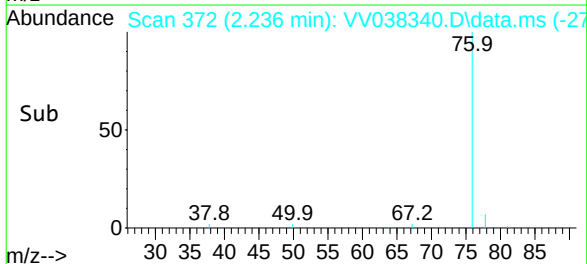
76 100

78 9.6 7.4 11.0

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#15

Methyl Acetate

Concen: 0.229 ug/L m

RT: 2.391 min Scan# 420

Delta R.T. 0.006 min

Lab File: VV038340.D

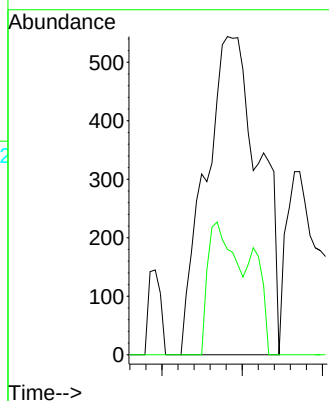
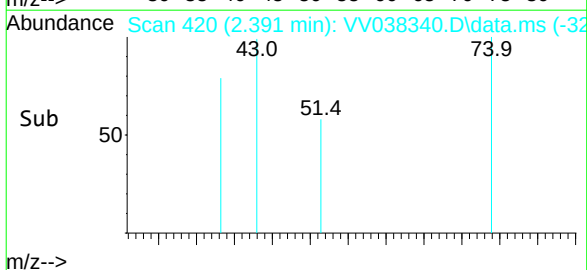
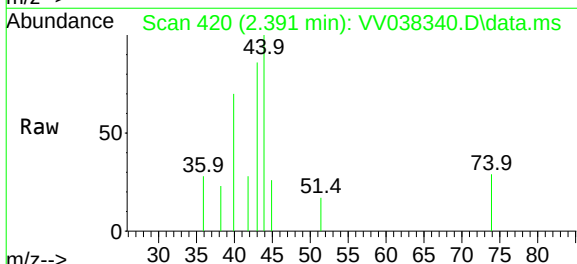
Acq: 25 Nov 2024 13:39

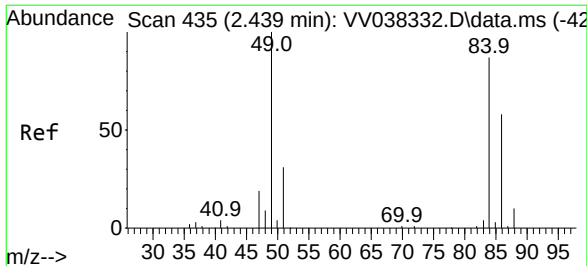
Tgt Ion: 43 Resp: 1267

Ion Ratio Lower Upper

43 100

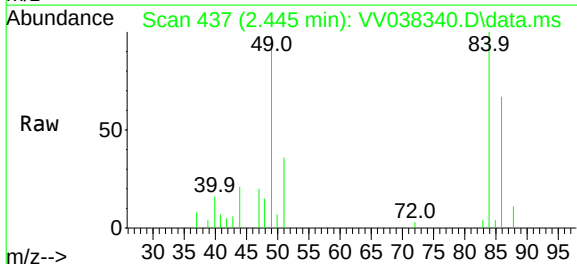
74 21.8 22.4 33.6#





#16
Methylene chloride
Concen: 0.322 ug/L
RT: 2.445 min Scan# 43
Delta R.T. 0.006 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

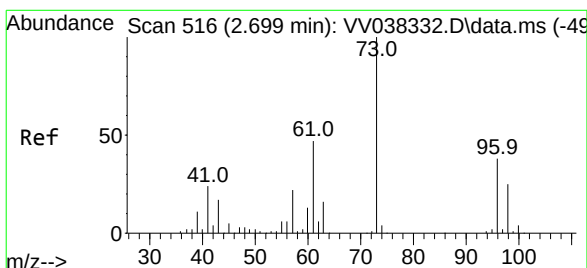
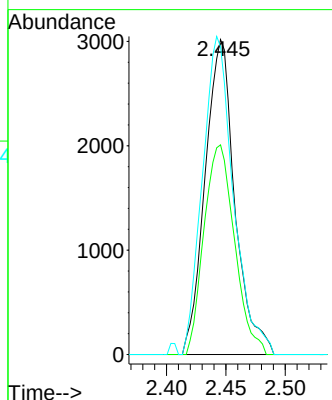
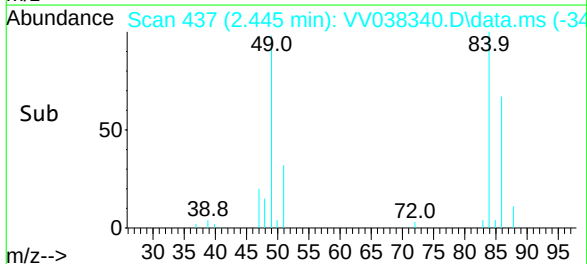
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-08



Tgt Ion	Ratio	Lower	Upper
84	100		
86	66.6	44.2	82.2
49	97.7	74.9	139.1

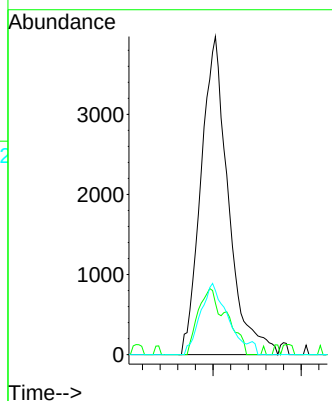
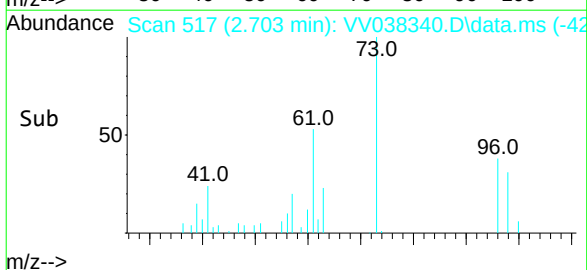
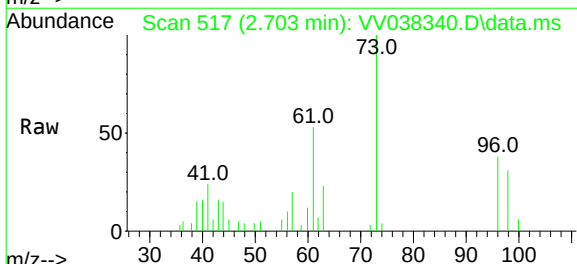
Manual Integrations
APPROVED

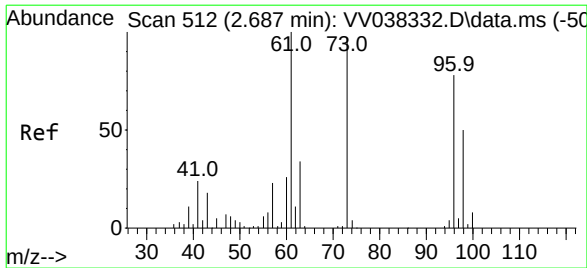
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#17
Methyl tert-butyl Ether
Concen: 0.264 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

Tgt Ion	Ratio	Lower	Upper
73	100		
43	15.3	14.2	21.2
57	22.0	17.6	26.4





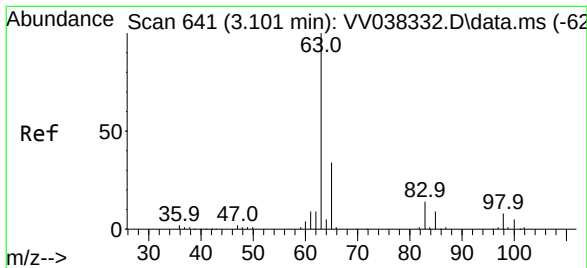
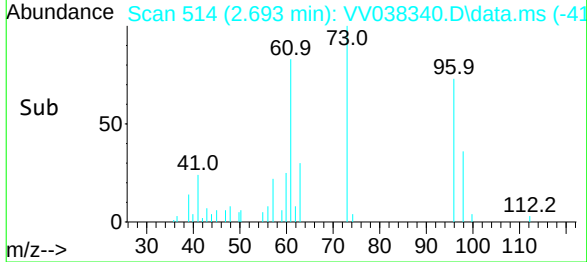
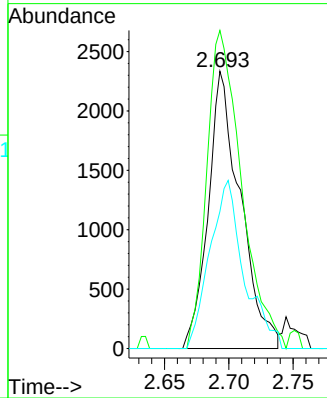
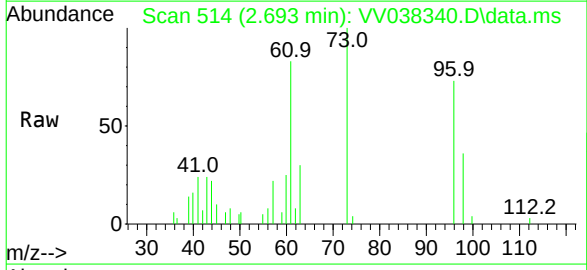
#18
trans-1,2-Dichloroethene
Concen: 0.269 ug/L
RT: 2.693 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	114.7	88.5	164.4
98	49.4	43.9	81.5

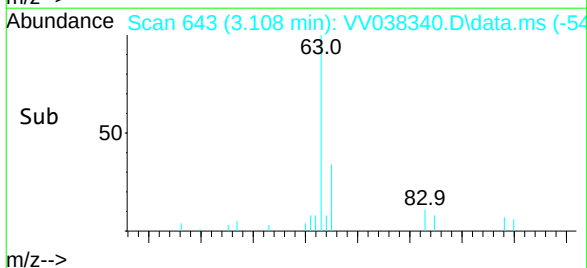
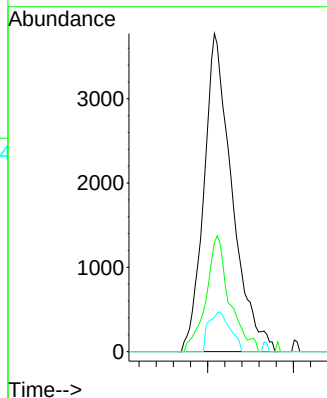
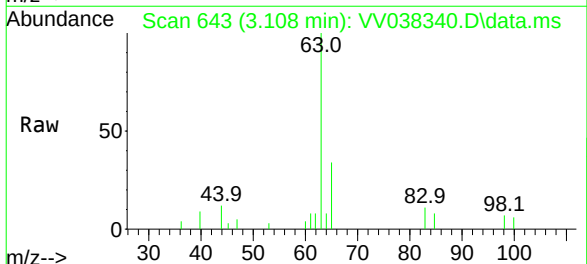
Manual Integrations
APPROVED

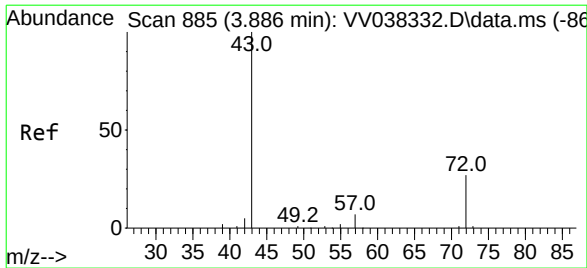
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#19
1,1-Dichloroethane
Concen: 0.313 ug/L
RT: 3.108 min Scan# 643
Delta R.T. 0.006 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

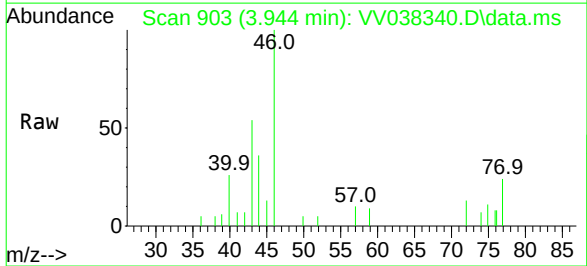
Tgt Ion	Ratio	Lower	Upper
63	100		
65	34.2	22.5	41.7
83	10.8	10.1	18.9





#21
2-Butanone
Concen: 2.087 ug/L m
RT: 3.944 min Scan# 90
Delta R.T. 0.058 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

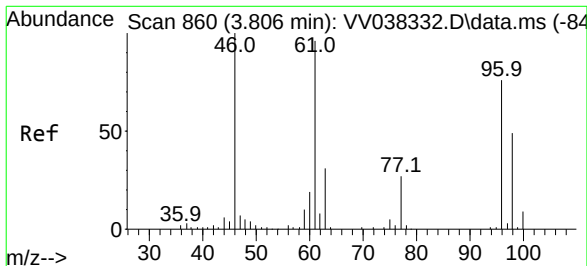
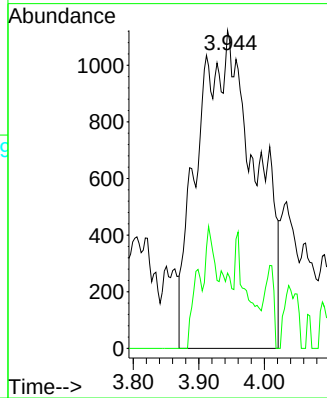
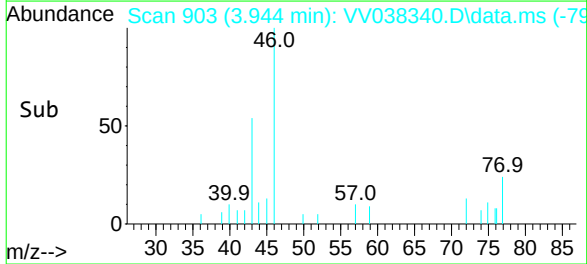
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-08



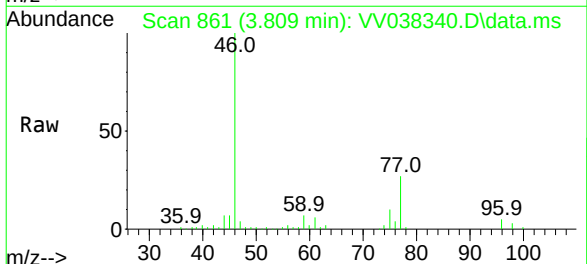
Tgt Ion: 43 Resp: 6821
Ion Ratio Lower Upper
43 100
72 4.1 13.0 39.0#

Manual Integrations
APPROVED

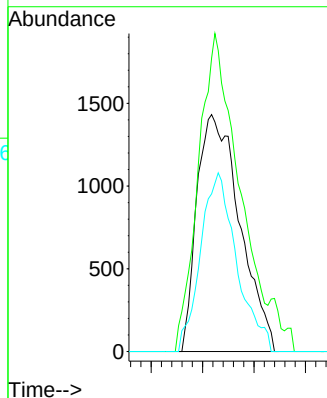
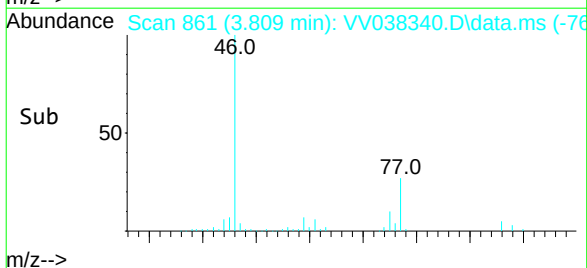
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

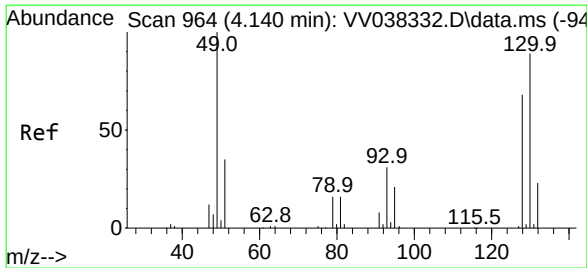


#22
cis-1,2-Dichloroethene
Concen: 0.266 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.003 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39



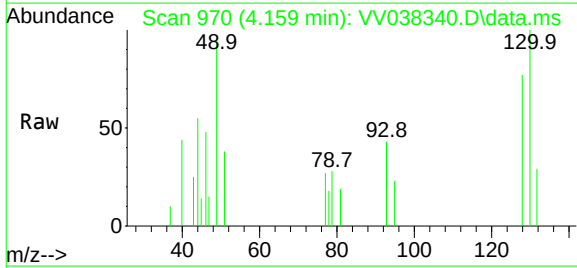
Tgt Ion: 96 Resp: 4155
Ion Ratio Lower Upper
96 100
61 123.9 82.7 153.5
98 66.6 46.3 85.9





#23
Bromochloromethane
Concen: 0.267 ug/L
RT: 4.159 min Scan# 97
Delta R.T. 0.019 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

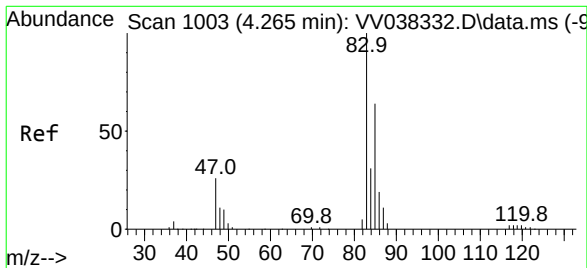
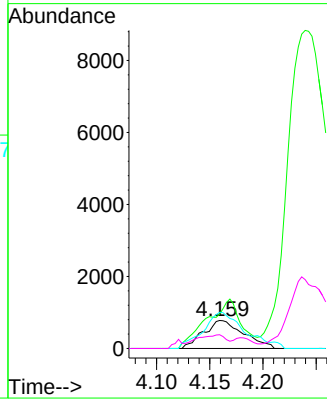
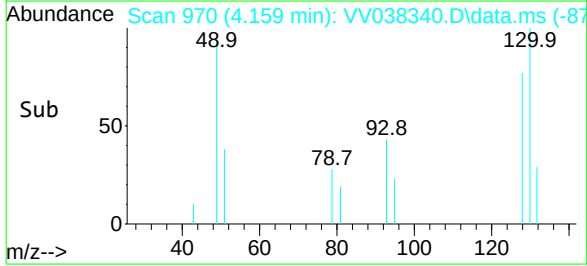
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-08



Tgt Ion: 128 Resp: 2039
Ion Ratio Lower Upper
128 100
49 122.5 102.8 190.8
130 129.2 93.6 173.8
51 49.0 37.1 55.7

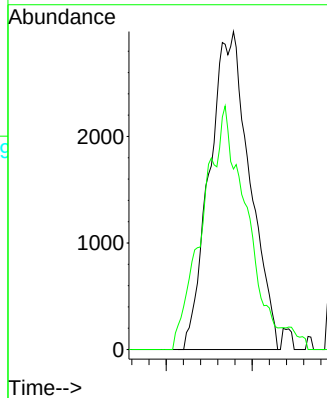
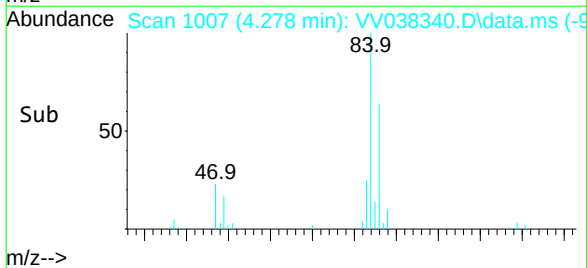
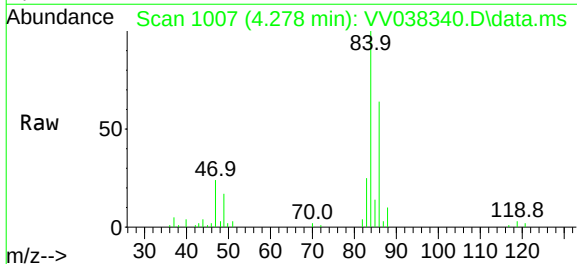
Manual Integrations
APPROVED

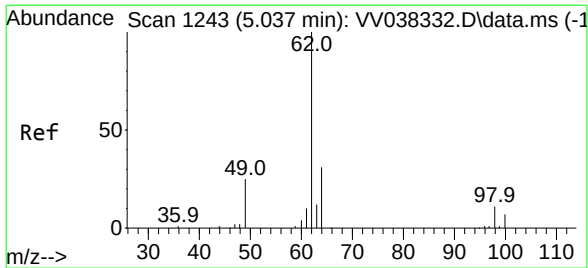
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#25
Chloroform
Concen: 0.331 ug/L m
RT: 4.278 min Scan# 1007
Delta R.T. 0.013 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

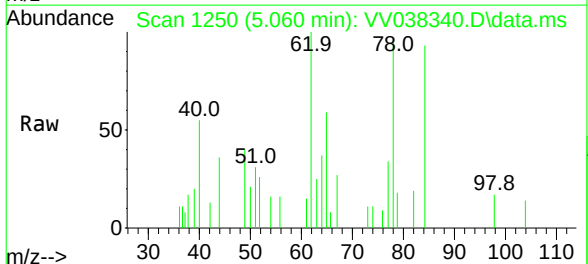
Tgt Ion: 83 Resp: 9705
Ion Ratio Lower Upper
83 100
85 56.8 46.5 86.3





#27
1,2-Dichloroethane
Concen: 0.308 ug/L m
RT: 5.060 min Scan# 12
Delta R.T. 0.023 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

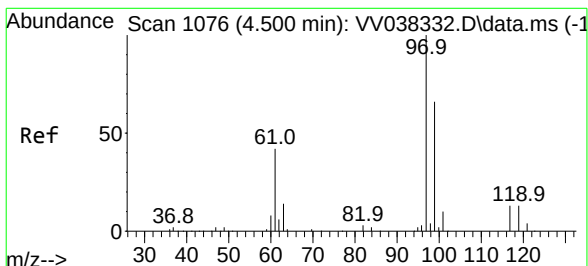
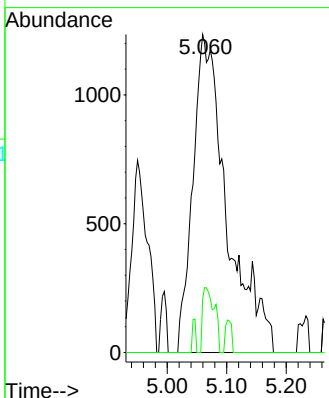
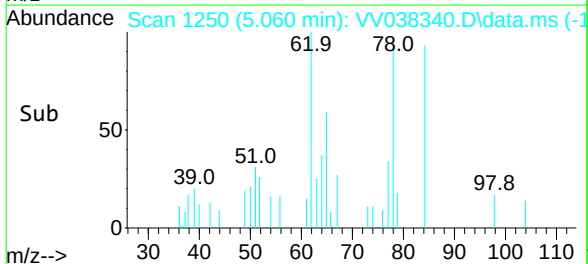
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-08



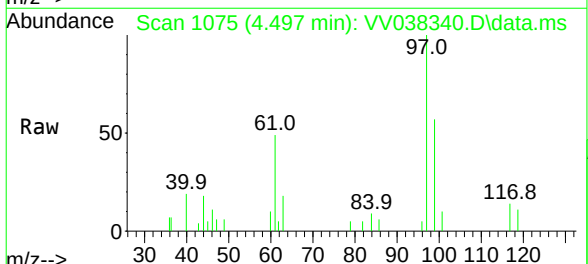
Tgt Ion: 62 Resp: 4912
Ion Ratio Lower Upper
62 100
98 16.7 8.2 12.4#

Manual Integrations
APPROVED

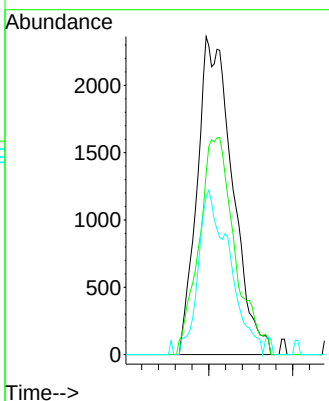
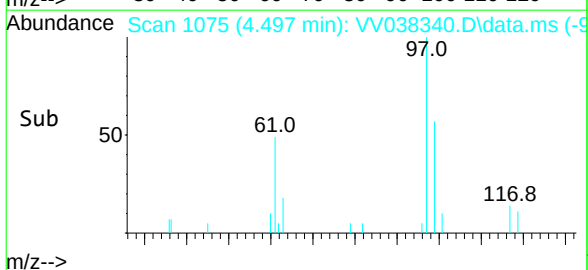
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

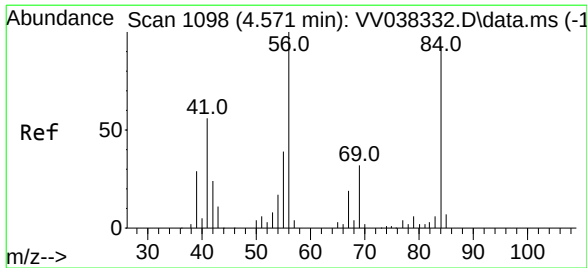


#29
1,1,1-Trichloroethane
Concen: 0.259 ug/L m
RT: 4.497 min Scan# 1075
Delta R.T. -0.003 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39



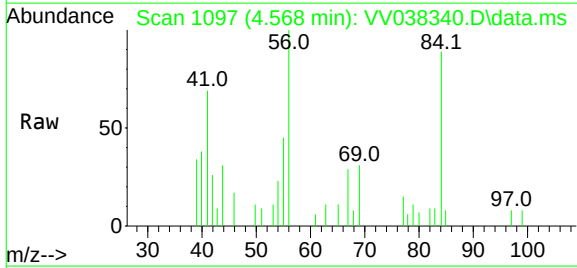
Tgt Ion: 97 Resp: 6885
Ion Ratio Lower Upper
97 100
99 69.3 51.8 77.8
61 46.0 32.2 48.2





#30
Cyclohexane
Concen: 0.205 ug/L
RT: 4.568 min Scan# 1097
Delta R.T. -0.003 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

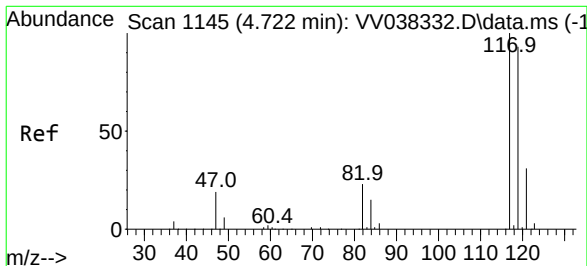
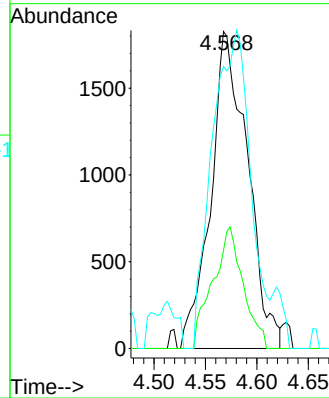
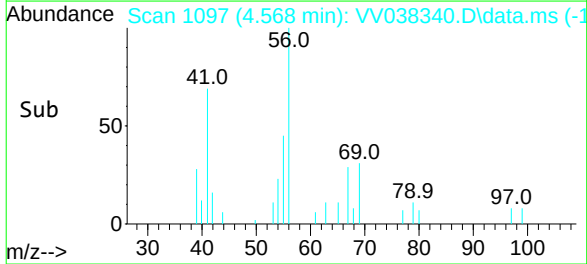
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-08



Tgt Ion: 56 Resp: 4533
Ion Ratio Lower Upper
56 100
69 31.9 26.0 39.0
84 104.9 75.6 113.4

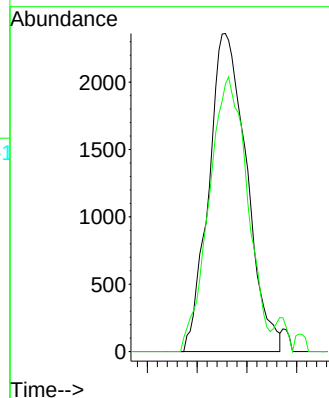
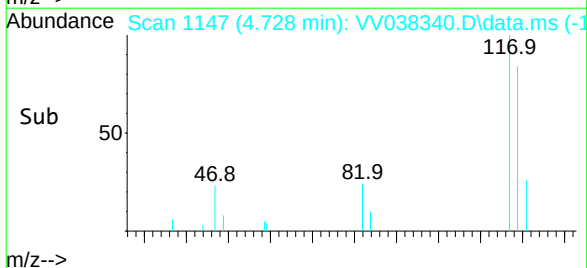
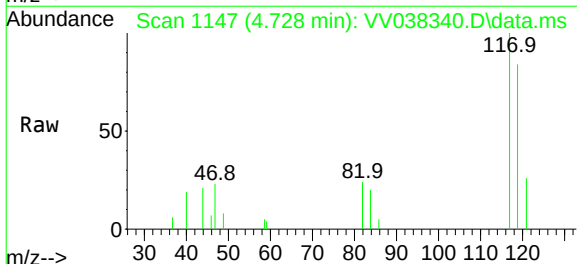
Manual Integrations
APPROVED

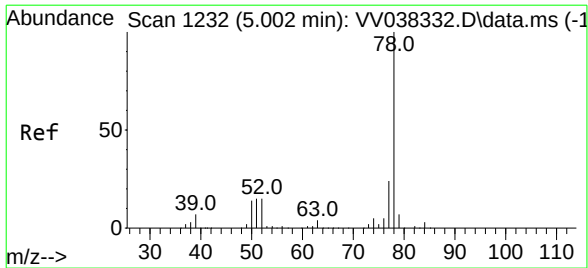
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#31
Carbon tetrachloride
Concen: 0.265 ug/L
RT: 4.728 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

Tgt Ion:117 Resp: 6234
Ion Ratio Lower Upper
117 100
119 87.5 77.4 116.2





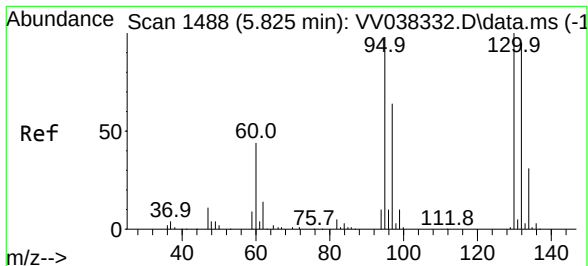
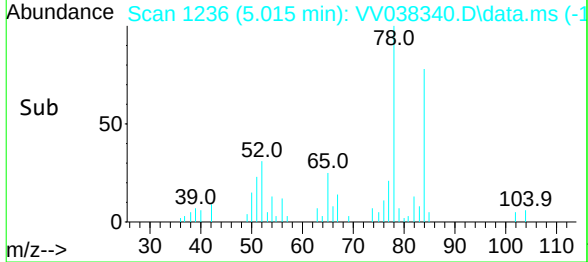
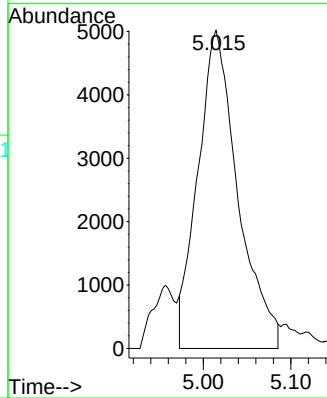
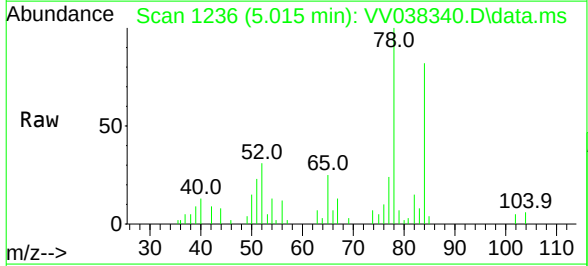
#33
Benzene
Concen: 0.256 ug/L m
RT: 5.015 min Scan# 1236
Delta R.T. 0.013 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-08

Tgt Ion: 78 Resp: 15933

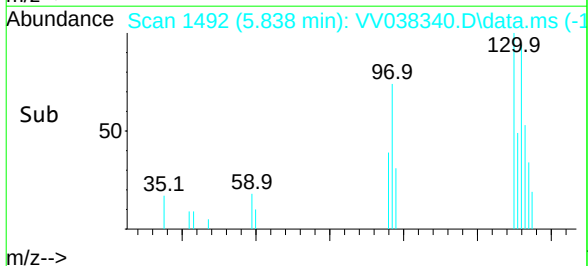
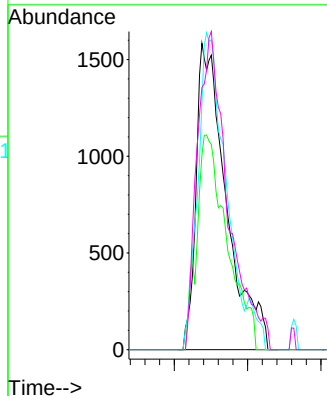
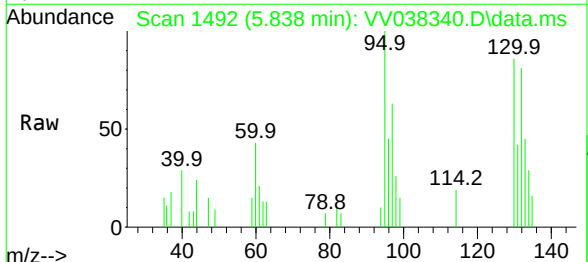
Manual Integrations
APPROVED

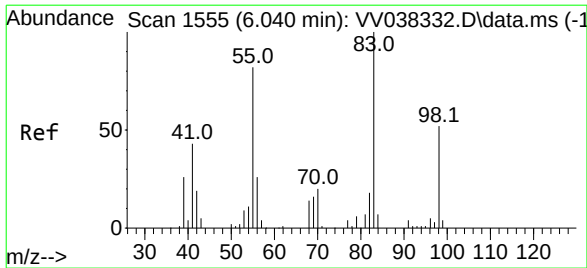
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#34
Trichloroethene
Concen: 0.267 ug/L m
RT: 5.838 min Scan# 1492
Delta R.T. 0.013 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

Tgt Ion: 95	Resp: 4530
Ion Ratio	Lower Upper
95 100	
97 63.4	44.8 83.2
132 80.7	68.3 126.8
130 85.6	70.2 130.4





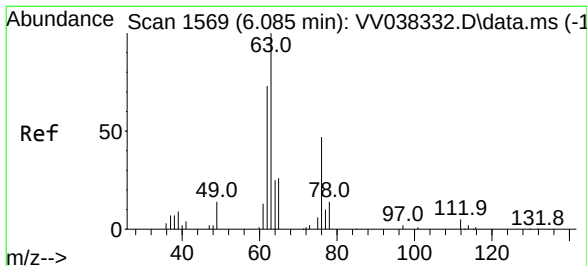
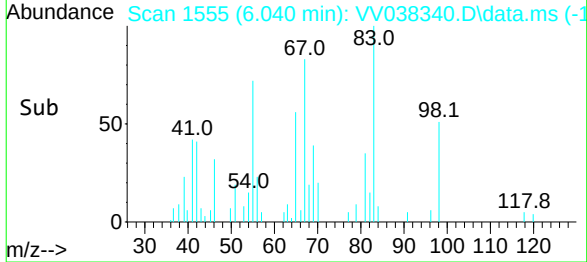
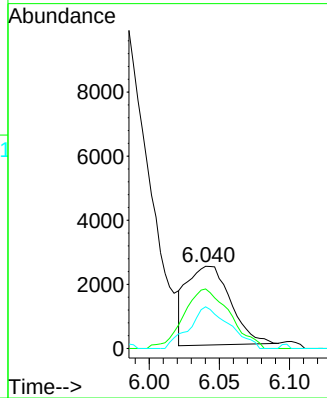
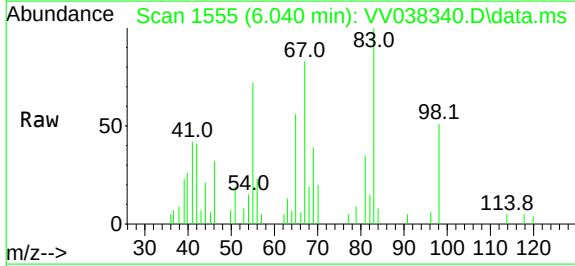
#35
Methylcyclohexane
Concen: 0.222 ug/L
RT: 6.040 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-08

Tgt Ion: 83	Resp: 5331
Ion Ratio	Lower Upper
83 100	
55 79.6	59.7 89.5
98 48.6	39.0 58.4

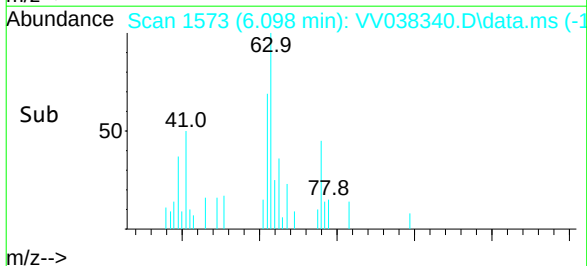
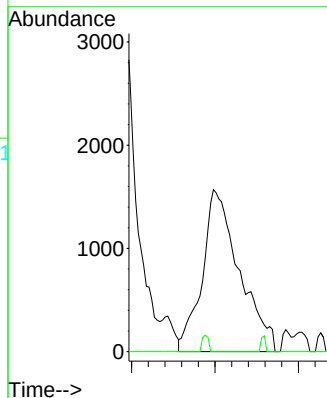
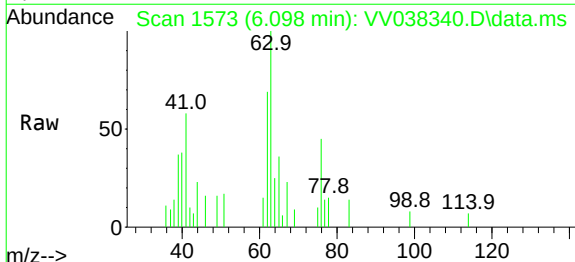
Manual Integrations
APPROVED

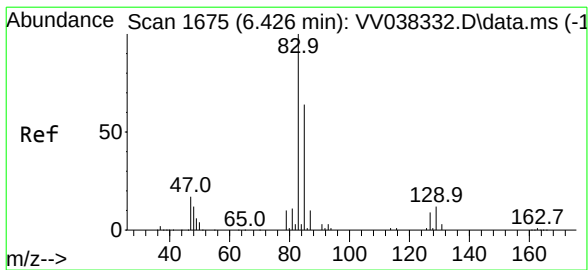
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#37
1,2-Dichloropropane
Concen: 0.310 ug/L
RT: 6.098 min Scan# 1573
Delta R.T. 0.013 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

Tgt Ion: 63	Resp: 4838
Ion Ratio	Lower Upper
63 100	
112 1.7	3.9 5.9#





#38

Bromodichloromethane

Concen: 0.275 ug/L

RT: 6.439 min Scan# 16

Delta R.T. 0.013 min

Lab File: VV038340.D

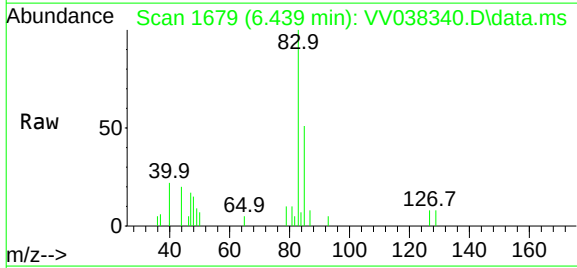
Acq: 25 Nov 2024 13:39

Instrument :

MSVOA_V

ClientSampleId :

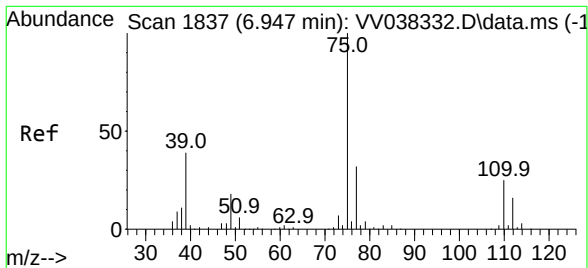
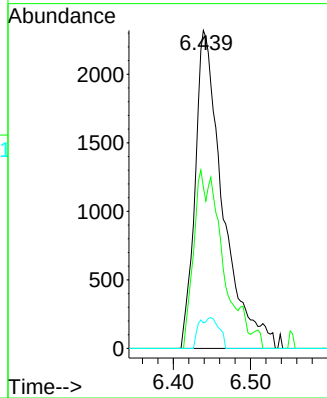
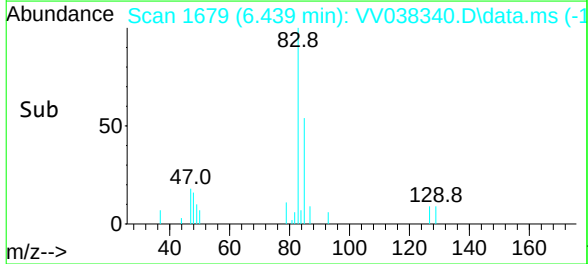
MDL-WATER-QT4-2024-08



Tgt Ion:	83	Resp:	5768
Ion	Ratio	Lower	Upper
83	100		
85	50.7	43.9	81.5
127	8.1	6.7	10.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#39

cis-1,3-Dichloropropene

Concen: 0.208 ug/L m

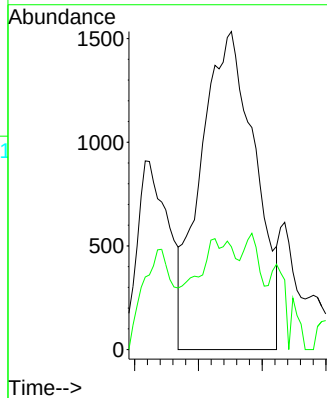
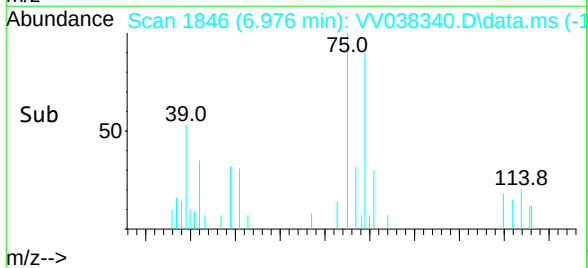
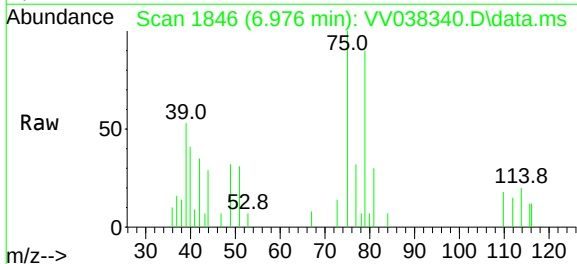
RT: 6.976 min Scan# 1846

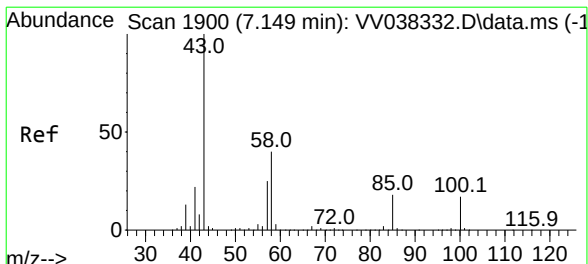
Delta R.T. 0.029 min

Lab File: VV038340.D

Acq: 25 Nov 2024 13:39

Tgt Ion:	75	Resp:	4544
Ion	Ratio	Lower	Upper
75	100		
77	32.3	23.4	43.6





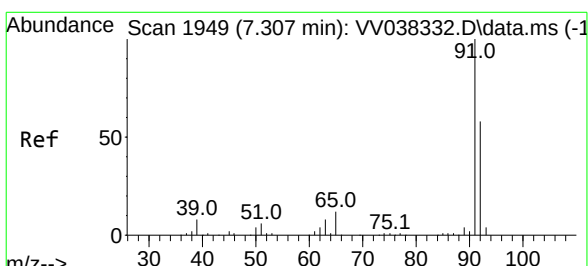
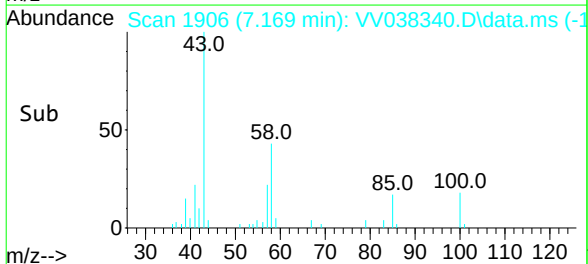
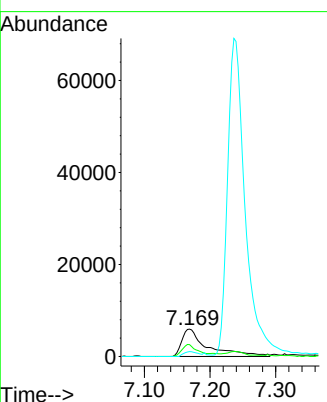
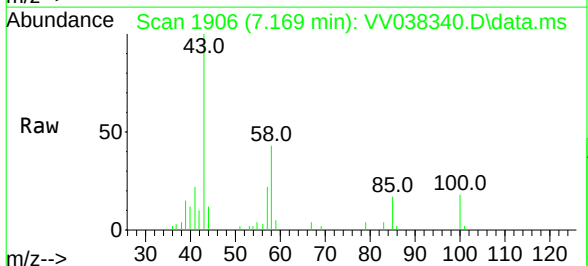
#40
4-Methyl-2-pentanone
Concen: 2.010 ug/L
RT: 7.169 min Scan# 1906
Delta R.T. 0.019 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-08

Tgt Ion: 43	Resp: 16432
Ion Ratio	Lower Upper
43 100	
58 26.2	33.4 50.2
100 0.0	14.3 21.5

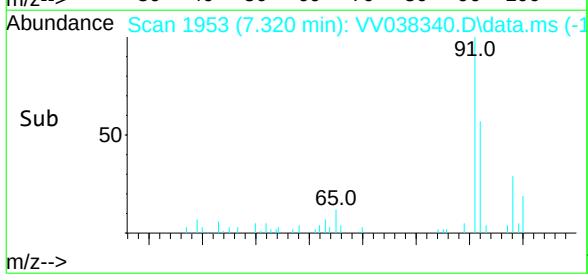
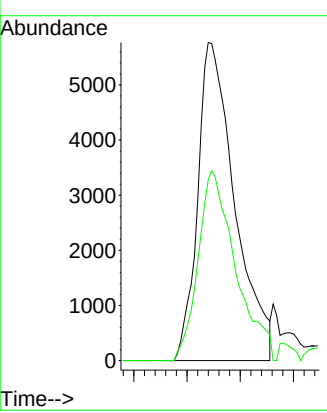
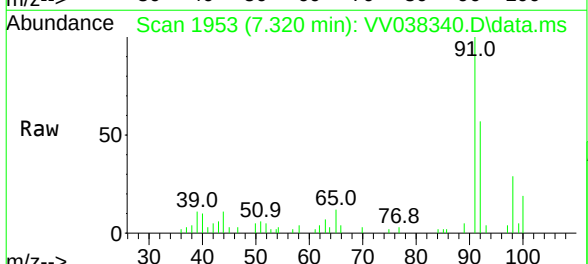
Manual Integrations
APPROVED

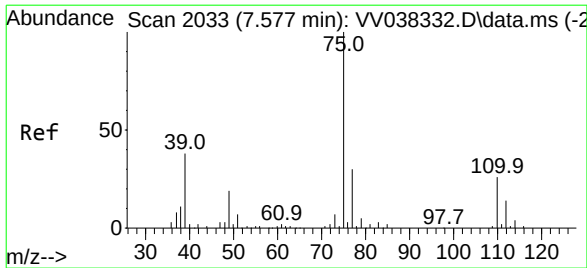
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#42
Toluene
Concen: 0.211 ug/L
RT: 7.320 min Scan# 1953
Delta R.T. 0.013 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

Tgt Ion: 91	Resp: 13961
Ion Ratio	Lower Upper
91 100	
92 56.9	40.8 75.8





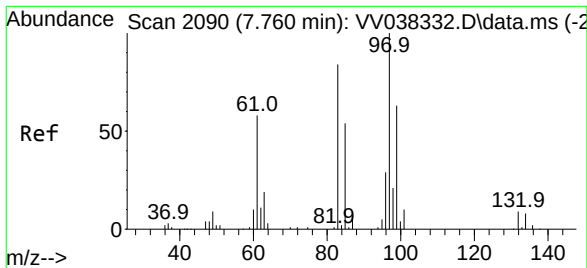
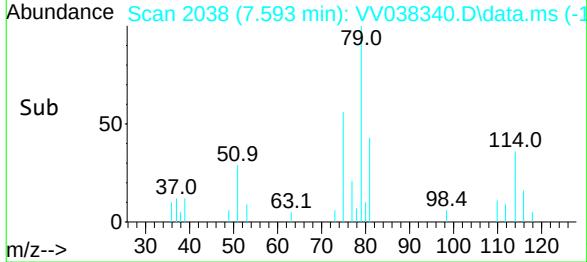
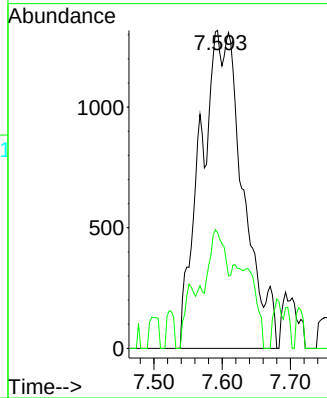
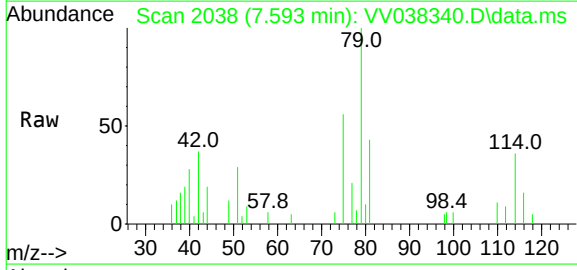
#44
trans-1,3-Dichloropropene
Concen: 0.312 ug/L m
RT: 7.593 min Scan# 2038
Delta R.T. 0.016 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-08

Tgt Ion: 75 Resp: 5738
Ion Ratio Lower Upper
75 100
77 36.4 23.4 43.4

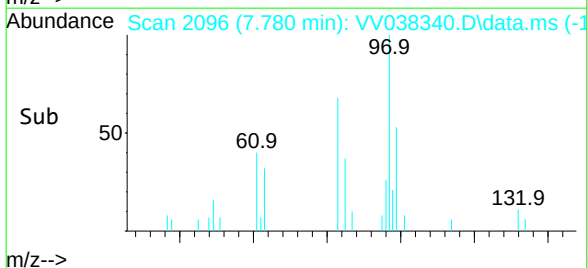
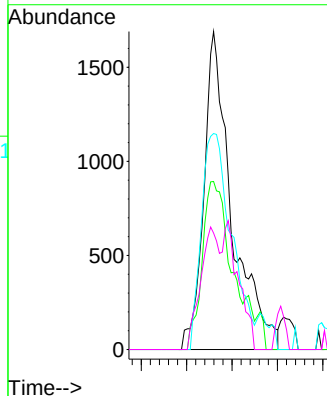
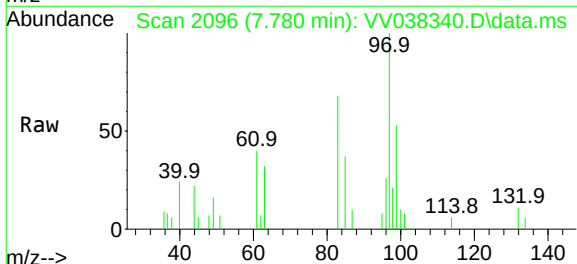
Manual Integrations
APPROVED

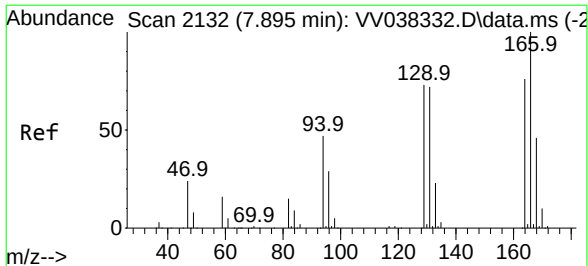
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#45
1,1,2-Trichloroethane
Concen: 0.287 ug/L
RT: 7.780 min Scan# 2096
Delta R.T. 0.019 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

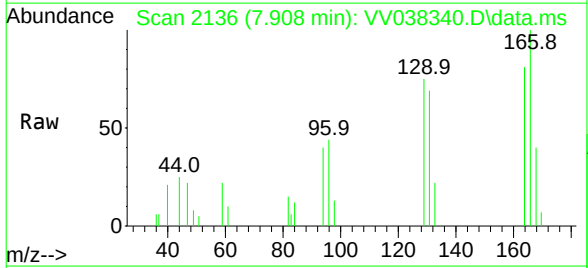
Tgt Ion: 97 Resp: 3631
Ion Ratio Lower Upper
97 100
99 52.8 41.9 77.7
83 67.9 57.7 107.1
85 36.6 36.2 67.2





#47
Tetrachloroethene
Concen: 0.287 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.013 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

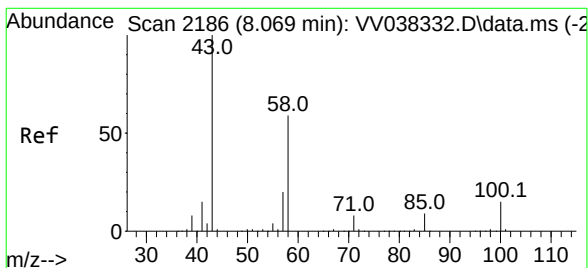
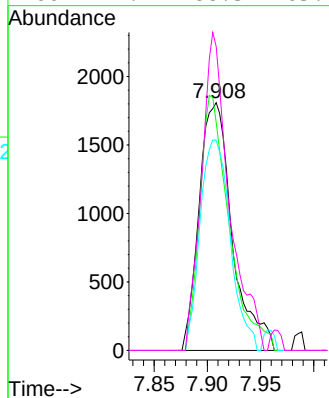
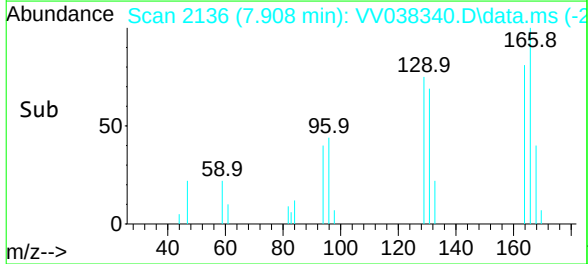
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-08



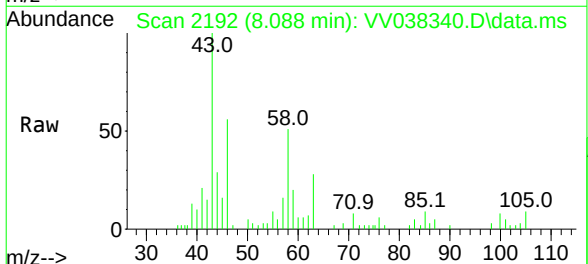
Tgt Ion:	164	Resp:	3921
Ion	Ratio	Lower	Upper
164	100		
129	92.2	68.5	127.1
131	84.8	64.8	120.4
166	122.7	88.3	163.9

Manual Integrations
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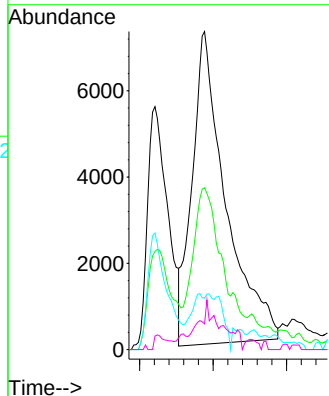
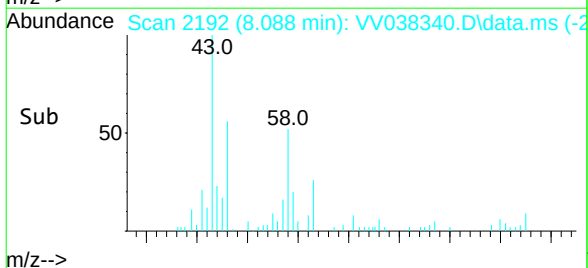
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

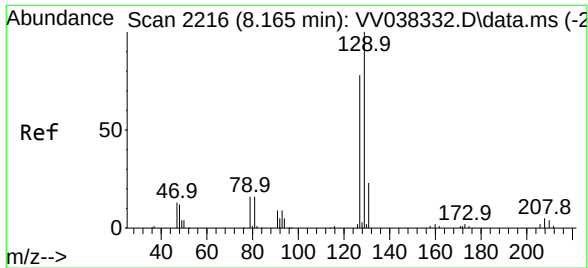


#48
2-Hexanone
Concen: 3.892 ug/L
RT: 8.088 min Scan# 2192
Delta R.T. 0.019 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39



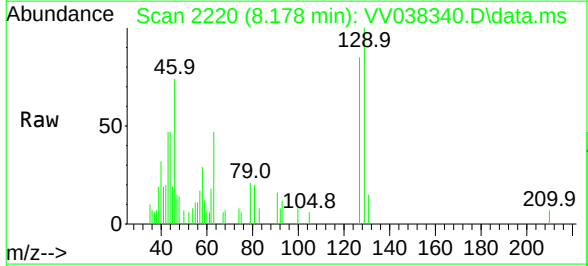
Tgt Ion:	43	Resp:	23073
Ion	Ratio	Lower	Upper
43	100		
58	35.9	49.2	73.8#
57	3.3	16.9	25.3#
100	9.6	11.8	17.8#





#49
 Dibromochloromethane
 Concen: 0.264 ug/L
 RT: 8.178 min Scan# 2216
 Delta R.T. 0.013 min
 Lab File: VV038340.D
 Acq: 25 Nov 2024 13:39

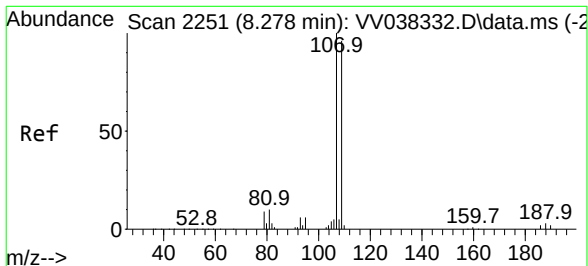
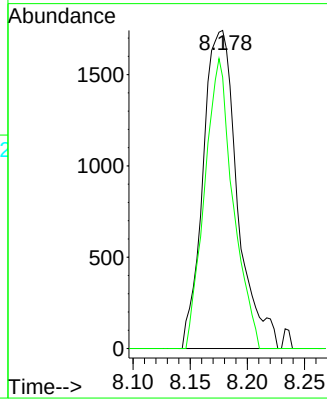
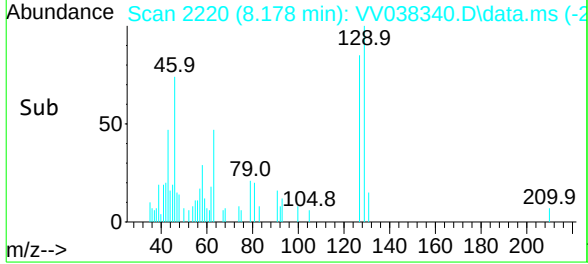
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2024-08



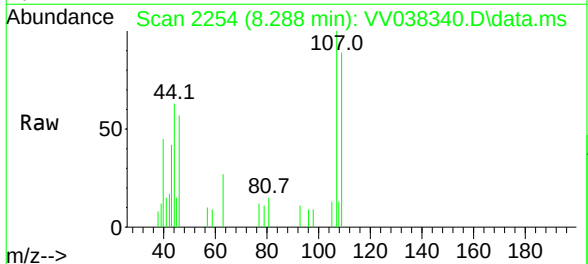
Tgt Ion:129 Resp: 3645
 Ion Ratio Lower Upper
 129 100
 127 85.3 53.5 99.3

Manual Integrations
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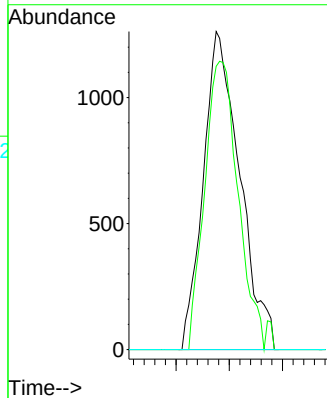
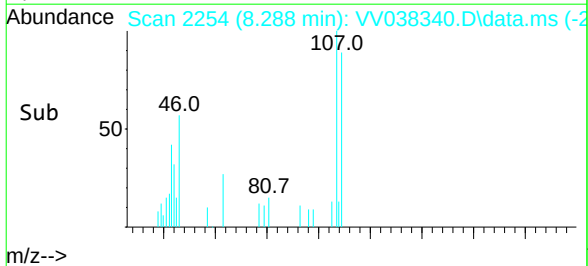
Reviewed By :Mahesh Dadoda 11/26/2024
 Supervised By :Semsettin Yesilyurt 11/26/2024

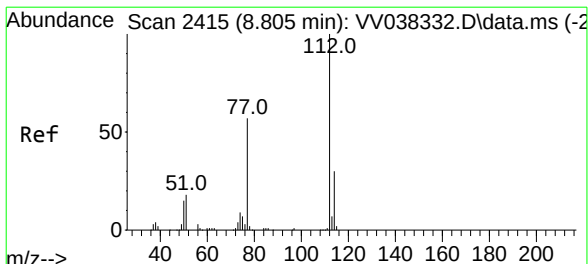


#50
 1,2-Dibromoethane
 Concen: 0.255 ug/L
 RT: 8.288 min Scan# 2254
 Delta R.T. 0.010 min
 Lab File: VV038340.D
 Acq: 25 Nov 2024 13:39



Tgt Ion:107 Resp: 3000
 Ion Ratio Lower Upper
 107 100
 109 89.1 66.1 122.7
 188 0.0 2.6 3.8#





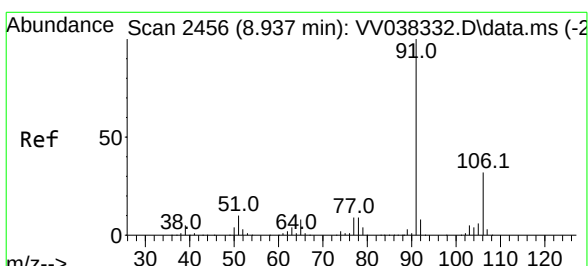
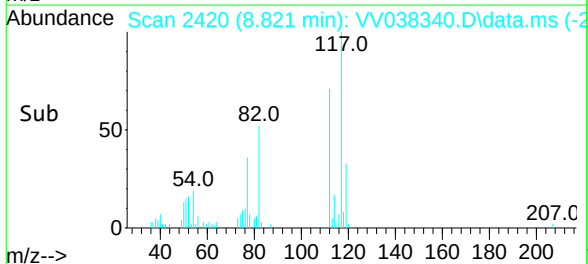
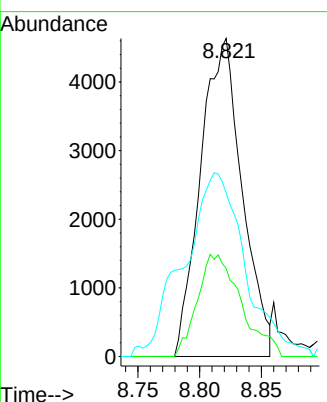
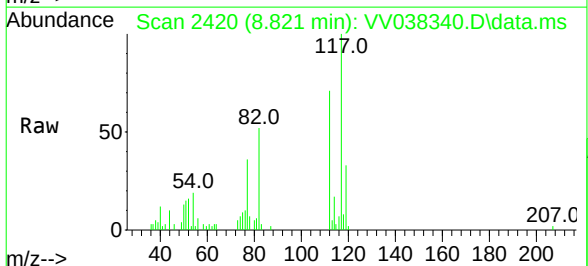
#51
Chlorobenzene
Concen: 0.239 ug/L
RT: 8.821 min Scan# 2415
Delta R.T. 0.016 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-08

Tgt Ion:	112	Resp:	10862
Ion Ratio	Lower	Upper	
112	100		
114	27.7	22.0	40.8
77	51.4	45.0	67.4

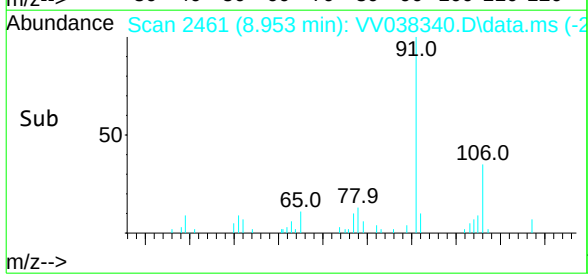
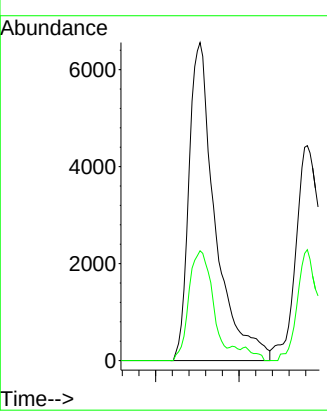
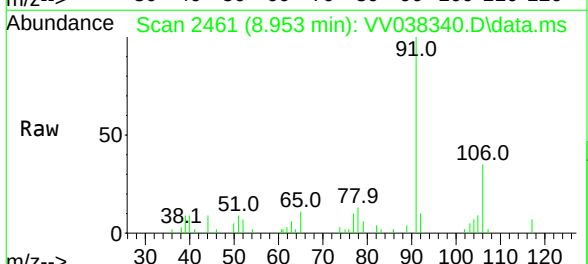
Manual Integrations
APPROVED

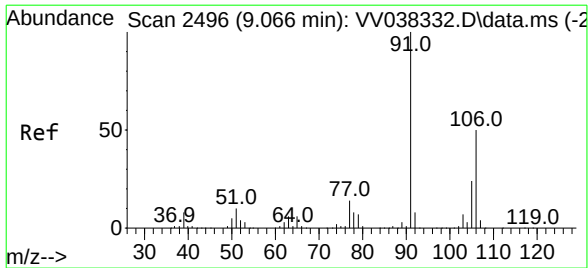
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#52
Ethylbenzene
Concen: 0.205 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.016 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

Tgt Ion:	91	Resp:	14355
Ion Ratio	Lower	Upper	
91	100		
106	34.5	21.8	40.4





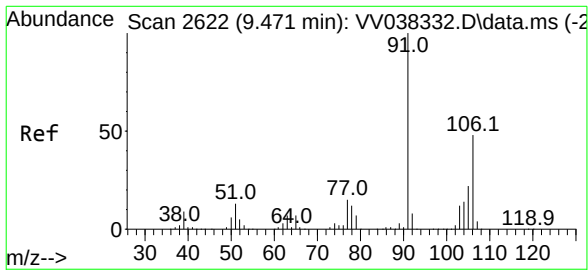
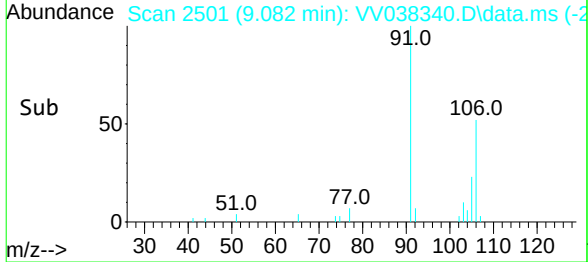
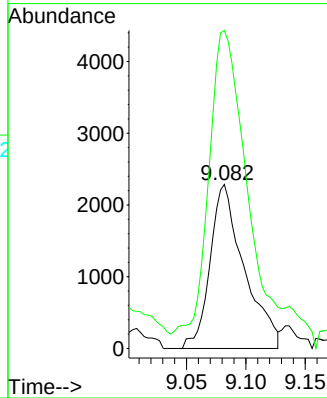
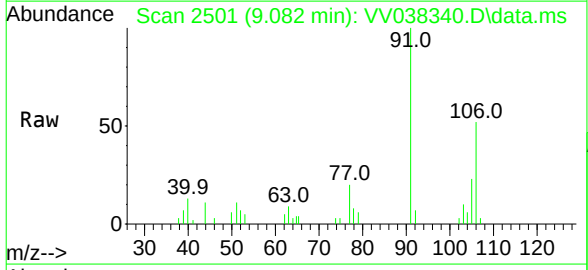
#53
m,p-Xylene
Concen: 0.173 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.016 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-08

Tgt Ion:106 Resp: 4582
Ion Ratio Lower Upper
106 100
91 193.8 138.7 257.5

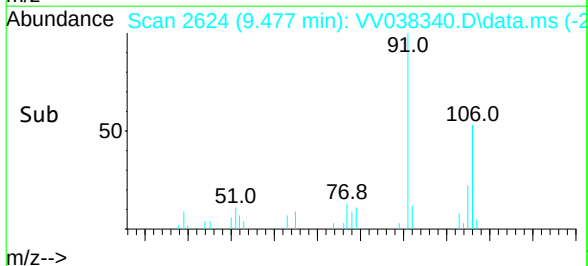
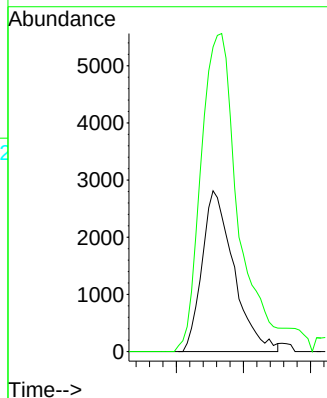
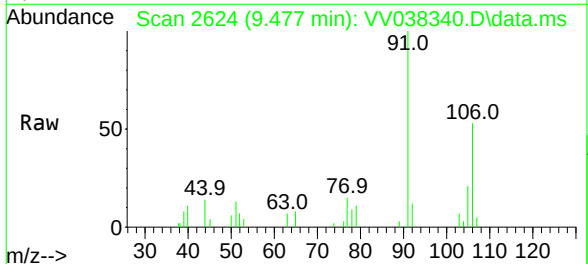
Manual Integrations
APPROVED

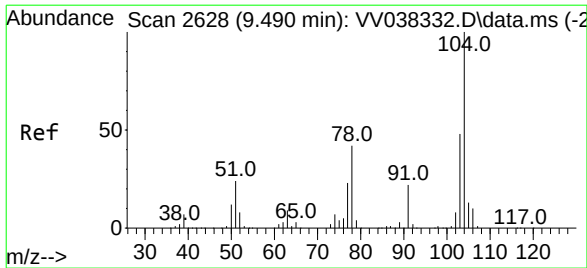
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#54
o-Xylene
Concen: 0.180 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.006 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

Tgt Ion:106 Resp: 4621
Ion Ratio Lower Upper
106 100
91 189.4 155.5 288.7





#55

Styrene

Concen: 0.141 ug/L

RT: 9.509 min Scan# 2628

Delta R.T. 0.019 min

Lab File: VV038340.D

Acq: 25 Nov 2024 13:39

Instrument :

MSVOA_V

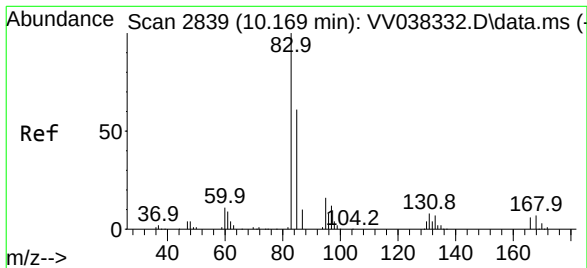
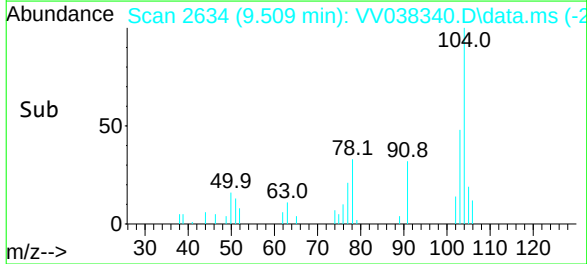
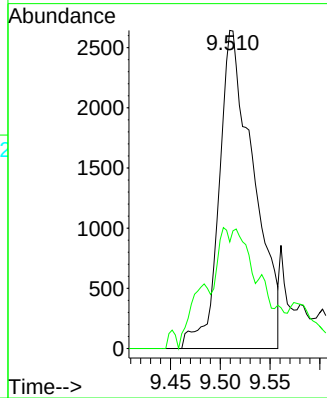
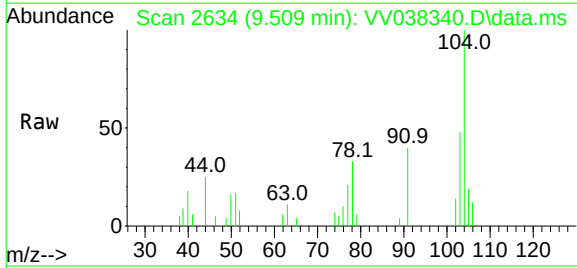
ClientSampleId :

MDL-WATER-QT4-2024-08

Tgt Ion	Ratio	Lower	Upper
104	100		
78	33.5	29.7	55.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#57

1,1,2,2-Tetrachloroethane

Concen: 0.272 ug/L

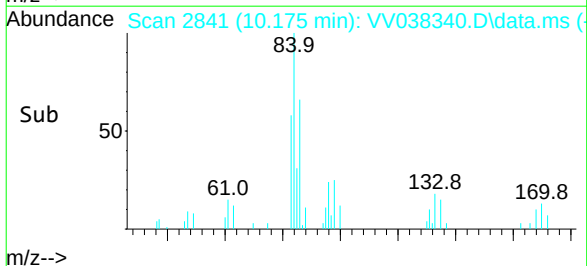
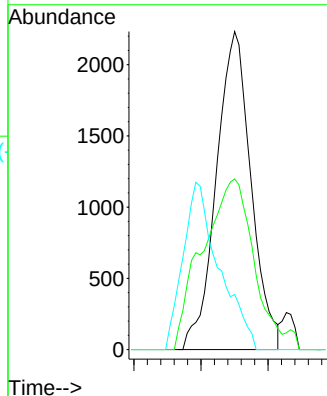
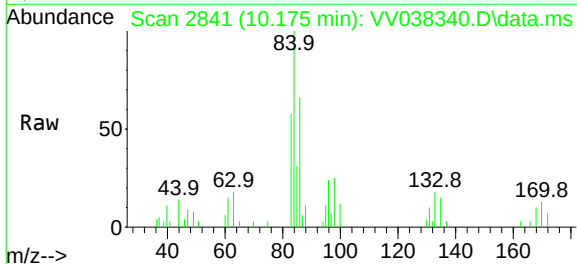
RT: 10.175 min Scan# 2841

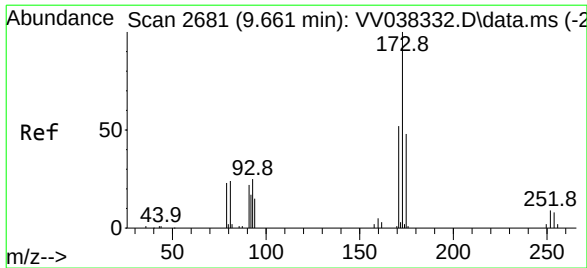
Delta R.T. 0.006 min

Lab File: VV038340.D

Acq: 25 Nov 2024 13:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	53.6	45.7	84.9
131	17.3	8.2	12.4





#59

Bromoform

Concen: 0.323 ug/L

RT: 9.664 min Scan# 2681

Delta R.T. 0.003 min

Lab File: VV038340.D

Acq: 25 Nov 2024 13:39

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2024-08

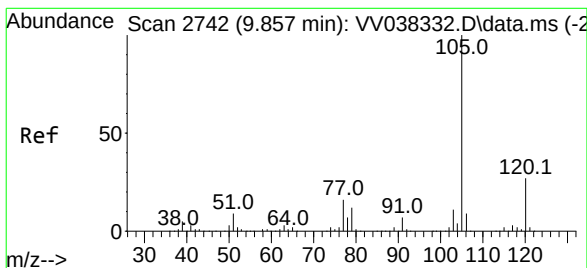
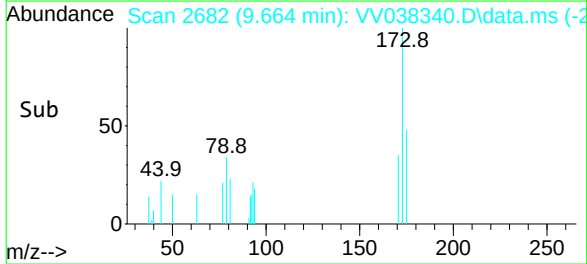
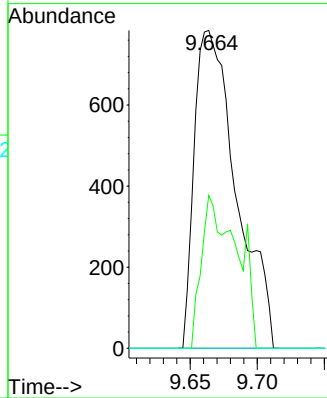
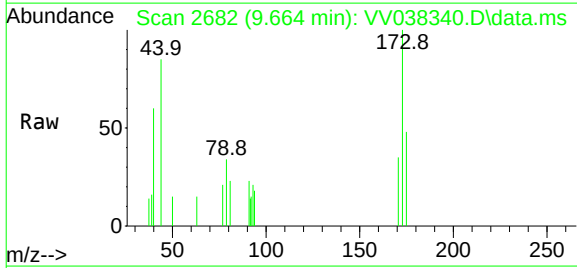
Tgt	Ion:173	Resp:	1711
Ion	Ratio	Lower	Upper
173	100		
175	21.3	38.5	57.7#
254	0.0	6.9	10.3#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024

Supervised By :Semsettin Yesilyurt 11/26/2024



#60

Isopropylbenzene

Concen: 0.250 ug/L

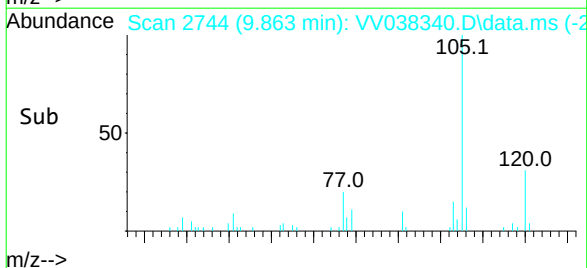
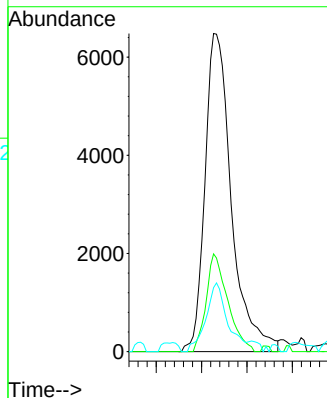
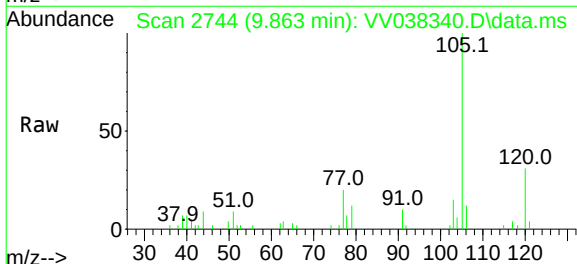
RT: 9.863 min Scan# 2744

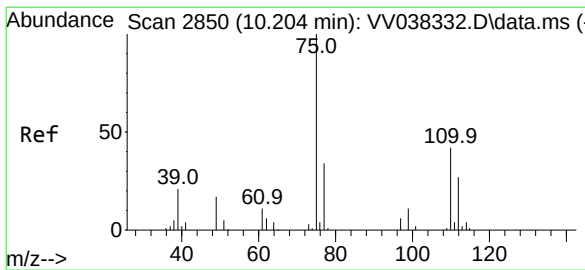
Delta R.T. 0.006 min

Lab File: VV038340.D

Acq: 25 Nov 2024 13:39

Tgt	Ion:105	Resp:	13129
Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.8	31.2
77	17.4	12.2	18.2





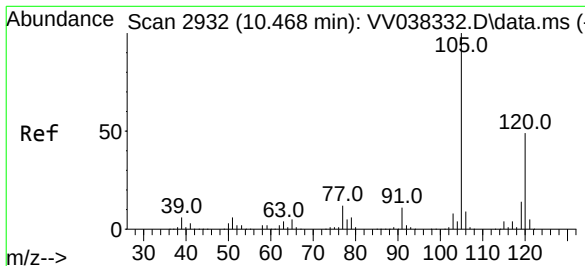
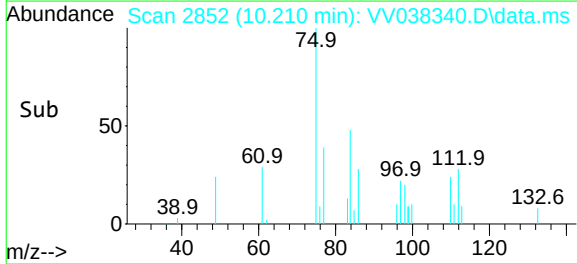
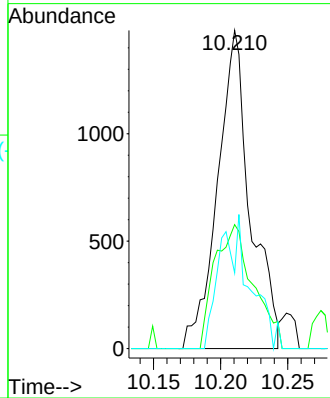
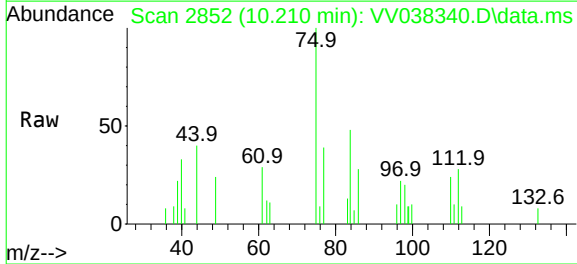
#61
1,2,3-Trichloropropane
Concen: 0.321 ug/L
RT: 10.210 min Scan# 2850
Delta R.T. 0.006 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-08

Tgt Ion:	75	Resp:	2507
Ion Ratio	Lower	Upper	
75	100		
77	46.2	26.4	39.6
110	19.9	32.3	48.5

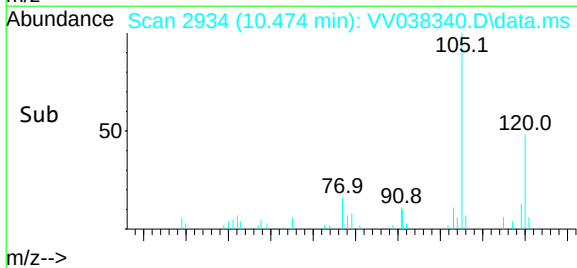
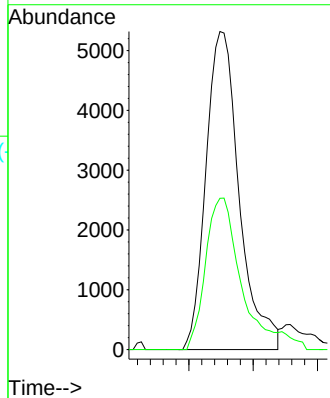
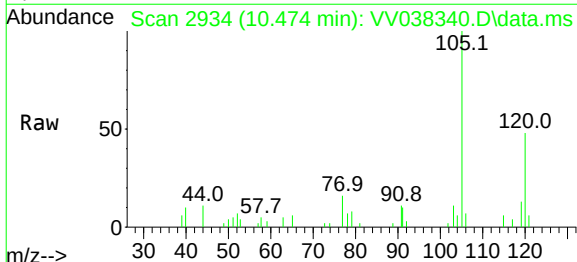
Manual Integrations
APPROVED

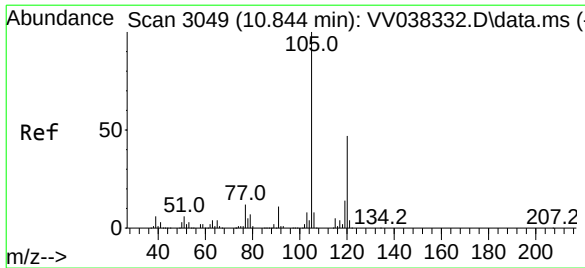
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#62
1,3,5-Trimethylbenzene
Concen: 0.230 ug/L
RT: 10.474 min Scan# 2934
Delta R.T. 0.006 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

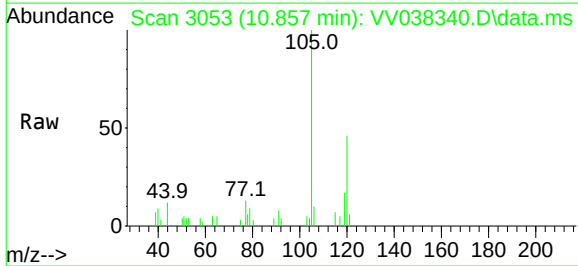
Tgt Ion:	105	Resp:	9564
Ion Ratio	Lower	Upper	
105	100		
120	52.1	39.2	58.8





#63
1,2,4-Trimethylbenzene
Concen: 0.230 ug/L
RT: 10.857 min Scan# 3049
Delta R.T. 0.013 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

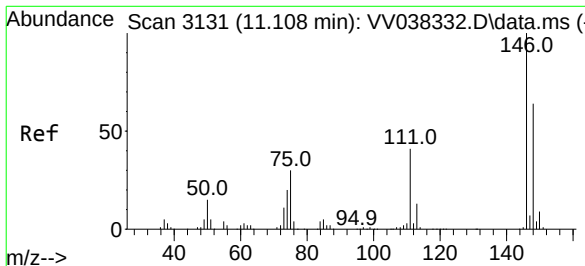
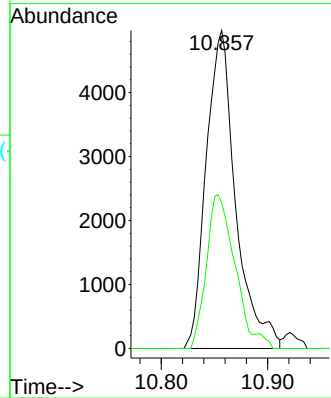
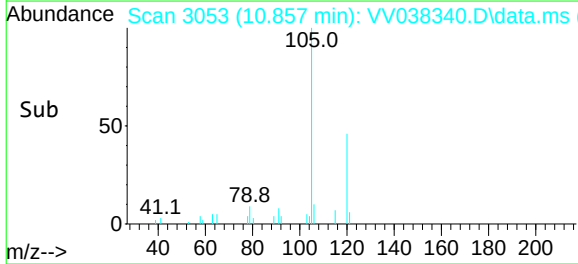
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-08



Tgt Ion:105 Resp: 9564
Ion Ratio Lower Upper
105 100
120 47.1 37.0 55.4

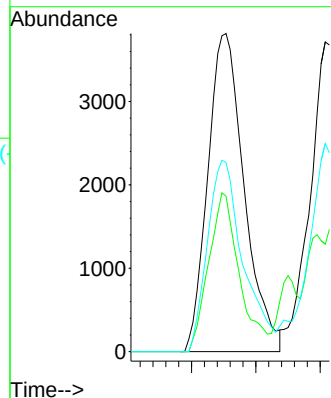
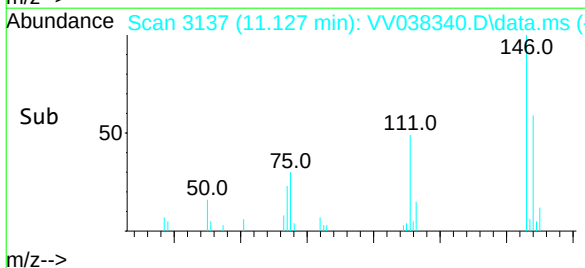
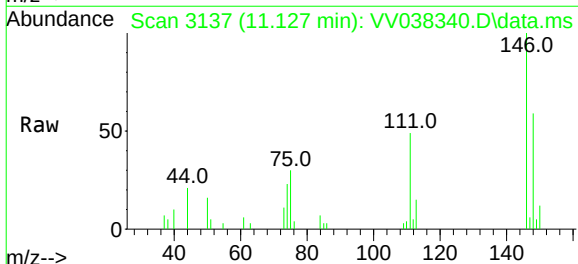
Manual Integrations
APPROVED

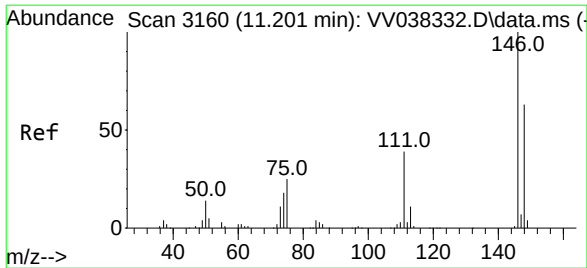
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#64
1,3-Dichlorobenzene
Concen: 0.266 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.019 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

Tgt Ion:146 Resp: 7507
Ion Ratio Lower Upper
146 100
111 48.9 28.2 52.4
148 59.4 44.2 82.2





#65

1,4-Dichlorobenzene

Concen: 0.270 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV038340.D

Acq: 25 Nov 2024 13:39

Instrument :

MSVOA_V

ClientSampleId :

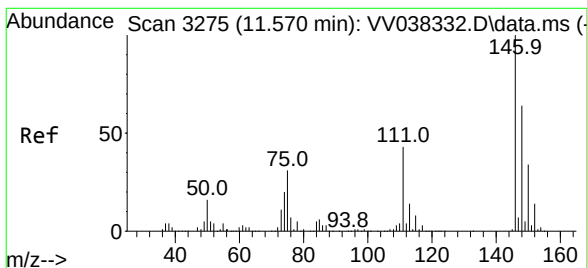
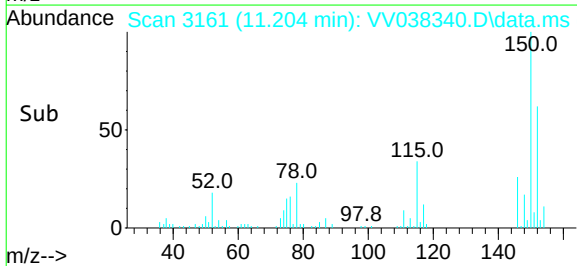
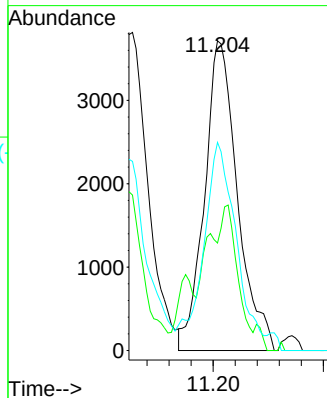
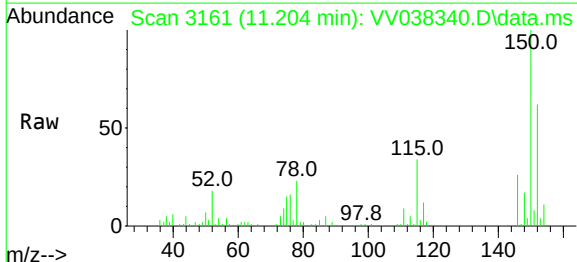
MDL-WATER-QT4-2024-08

Tgt	Ion:146	Resp:	7694
Ion	Ratio	Lower	Upper
146	100		
111	34.7	27.4	50.8
148	67.2	44.4	82.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#67

1,2-Dichlorobenzene

Concen: 0.279 ug/L

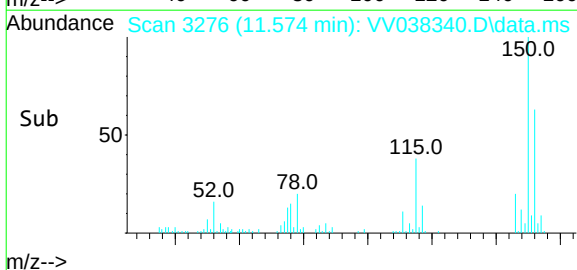
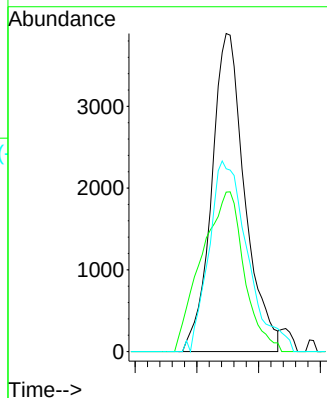
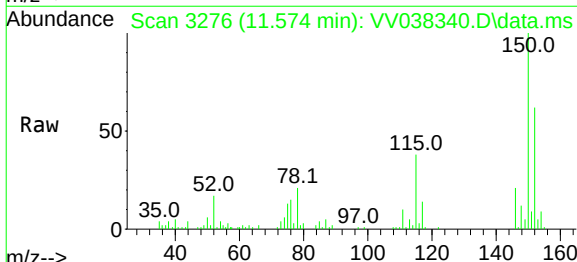
RT: 11.574 min Scan# 3276

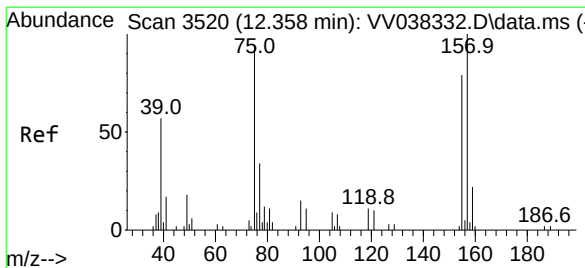
Delta R.T. 0.003 min

Lab File: VV038340.D

Acq: 25 Nov 2024 13:39

Tgt	Ion:146	Resp:	7268
Ion	Ratio	Lower	Upper
146	100		
111	50.1	34.2	51.2
148	57.5	51.0	76.4





#68

1,2-Dibromo-3-chloropropane

Concen: 0.288 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.013 min

Lab File: VV038340.D

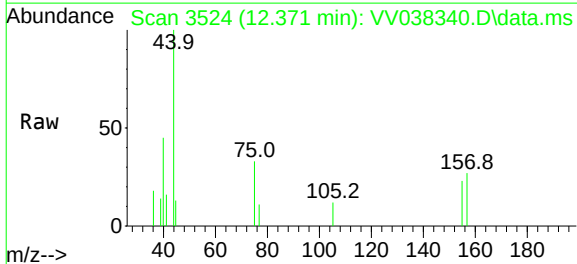
Acq: 25 Nov 2024 13:39

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2024-08

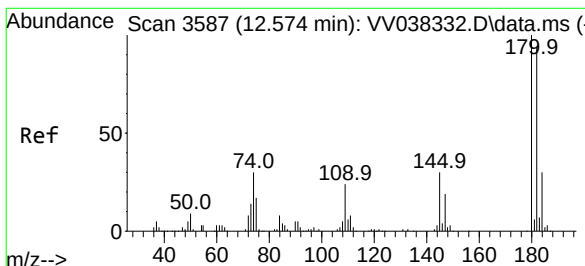
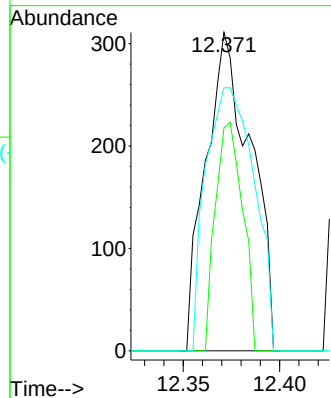
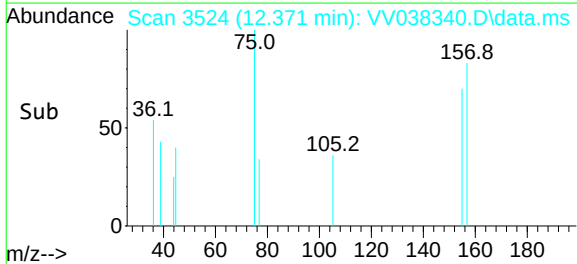


Tgt Ion:	75	Resp:	505
Ion	Ratio	Lower	Upper
75	100		
155	70.1	67.5	101.3
157	82.6	82.7	124.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#69

1,3,5-Trichlorobenzene

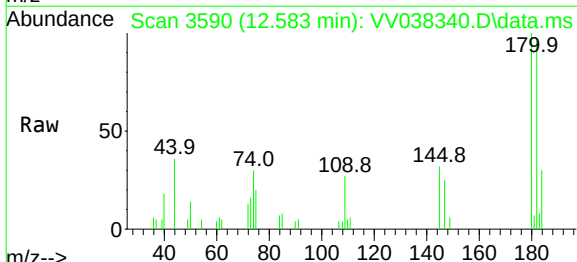
Concen: 0.241 ug/L

RT: 12.583 min Scan# 3590

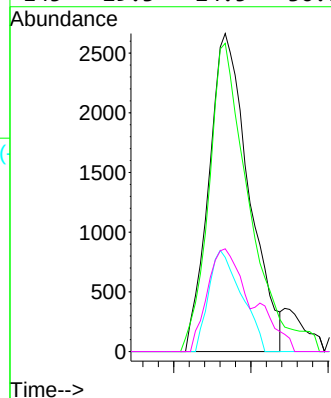
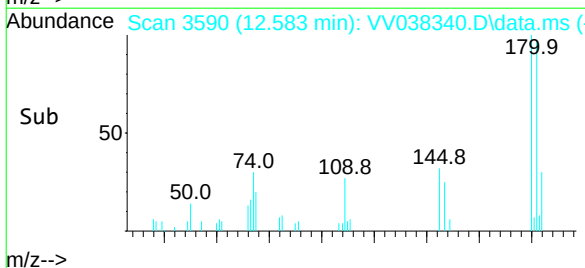
Delta R.T. 0.010 min

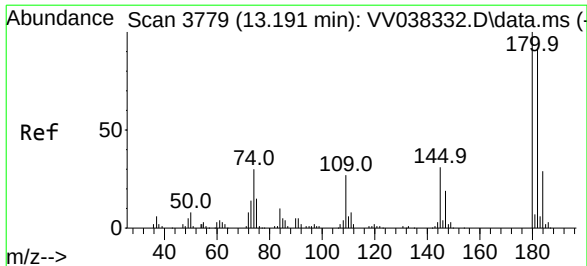
Lab File: VV038340.D

Acq: 25 Nov 2024 13:39



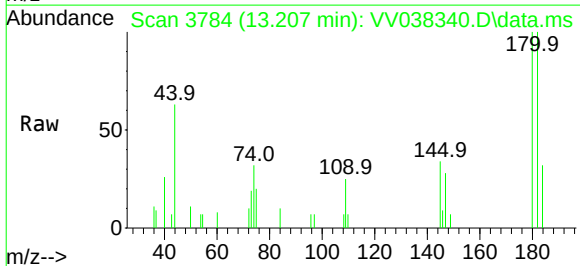
Tgt Ion:	180	Resp:	4802
Ion	Ratio	Lower	Upper
180	100		
182	98.3	76.0	114.0
184	26.0	23.7	35.5
145	29.3	24.5	36.7





#70
1,2,4-trichlorobenzene
Concen: 0.211 ug/L
RT: 13.207 min Scan# 3779
Delta R.T. 0.016 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

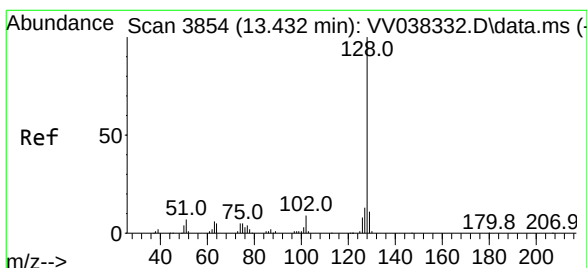
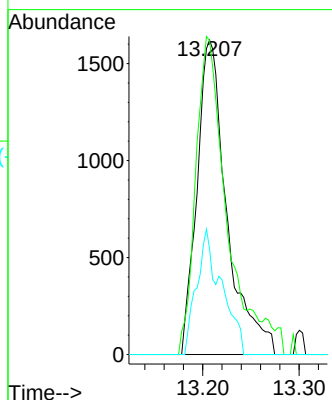
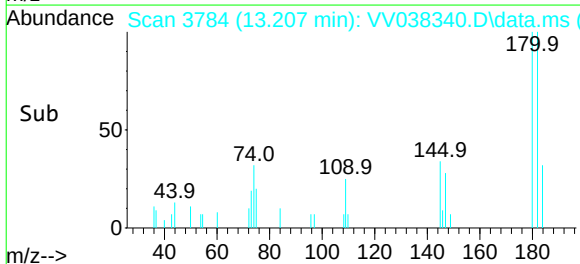
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2024-08



Tgt Ion:	180	Resp:	3485
Ion Ratio	Lower	Upper	
180	100		
182	101.4	73.8	110.8
145	21.9	24.6	37.0#

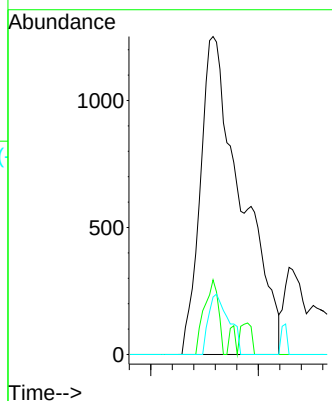
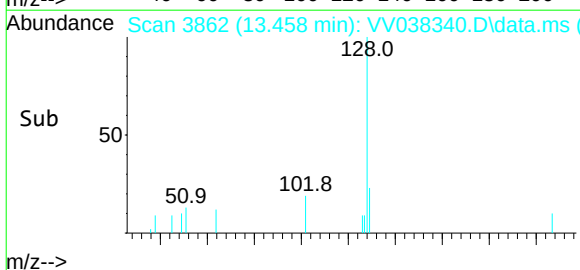
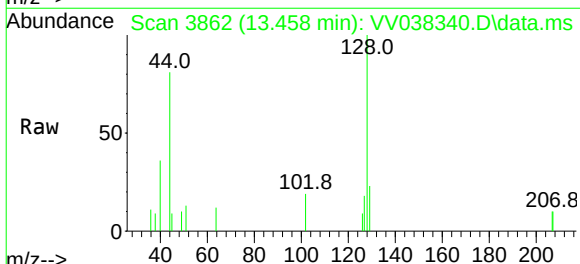
Manual Integrations
APPROVED

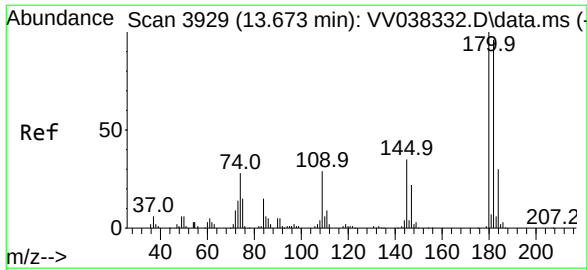
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#71
Naphthalene
Concen: 0.129 ug/L m
RT: 13.458 min Scan# 3862
Delta R.T. 0.026 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

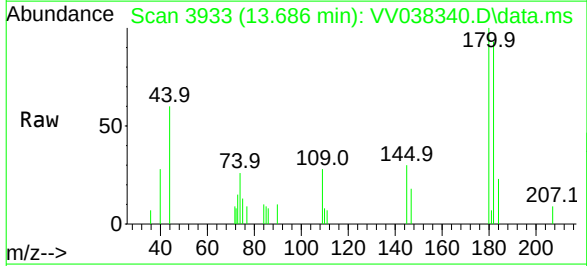
Tgt Ion:	128	Resp:	3319
Ion Ratio	Lower	Upper	
128	100		
129	8.1	8.5	12.7#
127	9.4	10.1	15.1#





#72
1,2,3-Trichlorobenzene
Concen: 0.194 ug/L
RT: 13.686 min Scan# 39
Delta R.T. 0.013 min
Lab File: VV038340.D
Acq: 25 Nov 2024 13:39

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-08



Tgt	Ion:	180	Resp:	2963
Ion	Ratio	Lower	Upper	
180	100			
182	93.4	75.1	112.7	
145	34.6	27.0	40.4	

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

