

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112524\
 Data File : VV038334.D
 Acq On : 25 Nov 2024 11:14
 Operator : SY/MD
 Sample : P4776-02
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Nov 26 00:52:14 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	197295	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	218642	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	88860	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	42370	2.802	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	56.000%		
7) Chloroethane-d5	1.529	69	45181	3.694	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	73.800%		
11) 1,1-Dichloroethene-d2	2.053	65	19932	3.063	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	61.200%		
20) 2-Butanone-d5	3.825	46	140180	46.338	ug/L	0.02
Spiked Amount 50.000	Range 40 - 130		Recovery =	92.680%		
24) Chloroform-d	4.240	84	129260	4.404	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	88.000%		
26) 1,2-Dichloroethane-d4	4.941	65	61949	4.704	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	94.000%		
32) Benzene-d6	4.950	84	193163	3.418	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	68.400%#		
36) 1,2-Dichloropropane-d6	5.982	67	71796	4.129	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	82.600%		
41) Toluene-d8	7.239	98	134886	2.580	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	51.600%#		
43) trans-1,3-Dichloroprop...	7.561	79	22495	3.480	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	69.600%		
46) 2-Hexanone-d5	8.024	63	89982	35.806	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	71.620%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	70010	4.743	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	94.800%		
66) 1,2-Dichlorobenzene-d4	11.554	152	70726	4.671	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	93.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	5750	0.308	ug/L	96
3) Chloromethane	1.211	50	5951	0.370	ug/L	99
5) Vinyl chloride	1.278	62	5648	0.310	ug/L	96
6) Bromomethane	1.484	94	3349	0.472	ug/L	92
8) Chloroethane	1.545	64	3307	0.285	ug/L	91
9) Trichlorofluoromethane	1.709	101	7917	0.305	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	5516	0.373	ug/L #	86
12) 1,1-Dichloroethene	2.063	96	5181	0.368	ug/L #	1
14) Carbon disulfide	2.233	76	12603	0.278	ug/L	98
15) Methyl Acetate	2.394	43	2931m	0.539	ug/L	
16) Methylene chloride	2.439	84	5839	0.363	ug/L	90
17) Methyl tert-butyl Ether	2.699	73	7817	0.245	ug/L #	86
18) trans-1,2-Dichloroethene	2.696	96	4332	0.292	ug/L	85
19) 1,1-Dichloroethane	3.111	63	7898	0.293	ug/L	92
21) 2-Butanone	3.937	43	11349m	3.534	ug/L	
22) cis-1,2-Dichloroethene	3.815	96	4199	0.274	ug/L	95
23) Bromochloromethane	4.162	128	2161	0.288	ug/L #	70
25) Chloroform	4.275	83	10219	0.354	ug/L	86
27) 1,2-Dichloroethane	5.069	62	5400m	0.344	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
29) 1,1,1-Trichloroethane	4.510	97	7117	0.271	ug/L #	91	
30) Cyclohexane	4.574	56	5158	0.237	ug/L #	87	
31) Carbon tetrachloride	4.732	117	6127	0.265	ug/L	100	
33) Benzene	5.005	78	17639m	0.287	ug/L		
34) Trichloroethene	5.841	95	4866m	0.291	ug/L		
35) Methylcyclohexane	6.034	83	6882m	0.291	ug/L		
37) 1,2-Dichloropropane	6.095	63	4908m	0.319	ug/L		
38) Bromodichloromethane	6.436	83	5354	0.259	ug/L	90	
39) cis-1,3-Dichloropropene	6.973	75	5020m	0.234	ug/L		
40) 4-Methyl-2-pentanone	7.169	43	12477	1.550	ug/L #	87	
42) Toluene	7.326	91	14130	0.217	ug/L	100	
44) trans-1,3-Dichloropropene	7.603	75	5071m	0.280	ug/L		
45) 1,1,2-Trichloroethane	7.776	97	3095	0.248	ug/L	90	
47) Tetrachloroethene	7.905	164	3298	0.245	ug/L	91	
48) 2-Hexanone	8.088	43	23620m	4.045	ug/L		
49) Dibromochloromethane	8.175	129	3417	0.251	ug/L	87	
50) 1,2-Dibromoethane	8.294	107	2988	0.258	ug/L #	97	
51) Chlorobenzene	8.815	112	11106	0.248	ug/L	97	
52) Ethylbenzene	8.953	91	14838	0.215	ug/L	97	
53) m,p-Xylene	9.079	106	4751	0.182	ug/L	99	
54) o-Xylene	9.481	106	4866	0.192	ug/L	85	
55) Styrene	9.513	104	6861m	0.154	ug/L		
57) 1,1,2,2-Tetrachloroethane	10.172	83	4164	0.285	ug/L #	89	
59) Bromoform	9.664	173	1258	0.243	ug/L #	68	
60) Isopropylbenzene	9.866	105	12420	0.243	ug/L #	95	
61) 1,2,3-Trichloropropane	10.210	75	2539	0.334	ug/L #	53	
62) 1,3,5-Trimethylbenzene	10.474	105	10125	0.249	ug/L	96	
63) 1,2,4-Trimethylbenzene	10.853	105	8933	0.221	ug/L	96	
64) 1,3-Dichlorobenzene	11.120	146	7565	0.275	ug/L	93	
65) 1,4-Dichlorobenzene	11.207	146	8323	0.300	ug/L	92	
67) 1,2-Dichlorobenzene	11.574	146	7981	0.314	ug/L	93	
68) 1,2-Dibromo-3-chloropr...	12.371	75	559m	0.327	ug/L		
69) 1,3,5-Trichlorobenzene	12.586	180	4980	0.256	ug/L #	92	
70) 1,2,4-trichlorobenzene	13.207	180	3858	0.240	ug/L	97	
71) Naphthalene	13.458	128	4708m	0.188	ug/L		
72) 1,2,3-Trichlorobenzene	13.680	180	2868	0.193	ug/L #	80	

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

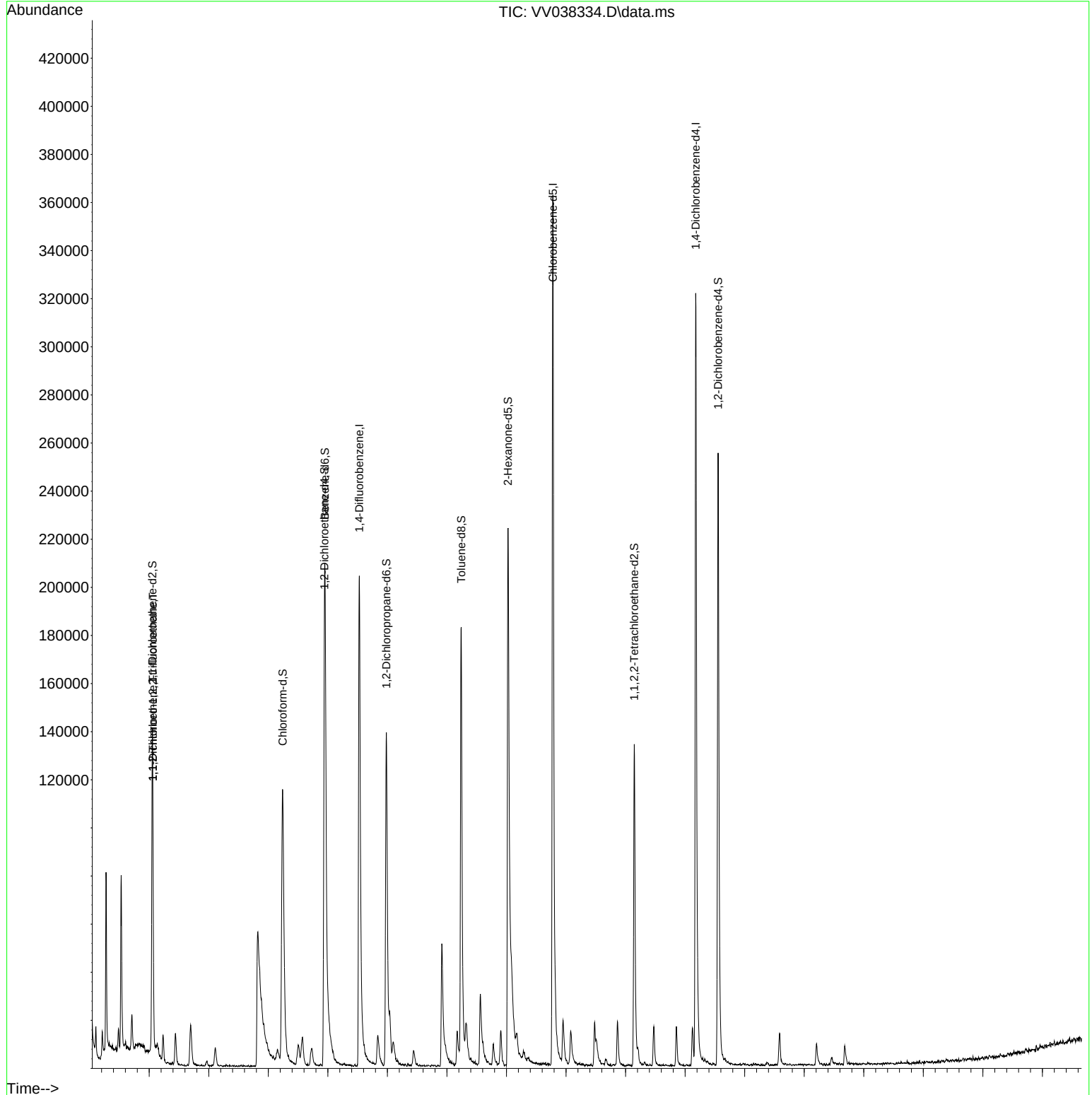
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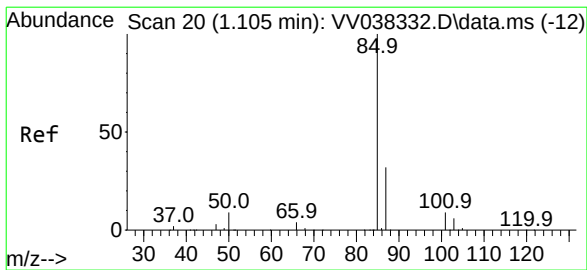
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MSVOA_V
ClientSampleId :
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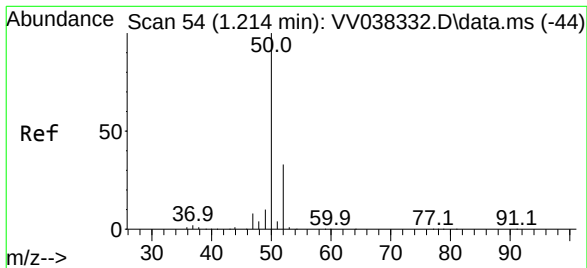
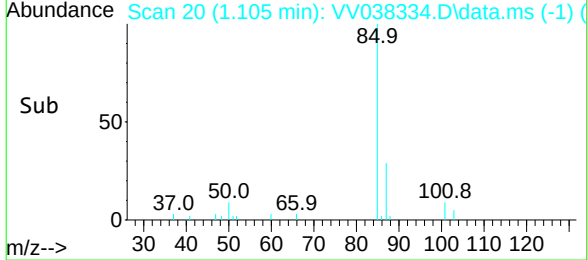
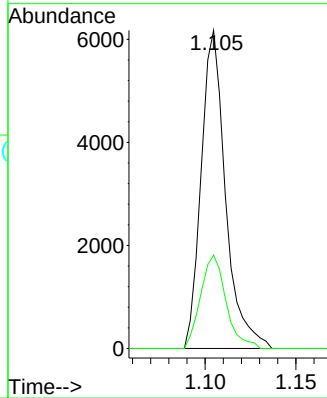
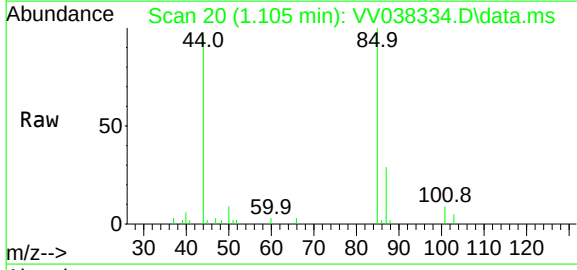
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Dichlorodifluoromethane
Concen: 0.308 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

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

Tgt Ion: 85 Resp: 5750
Ion Ratio Lower Upper
85 100
87 30.7 26.5 39.7

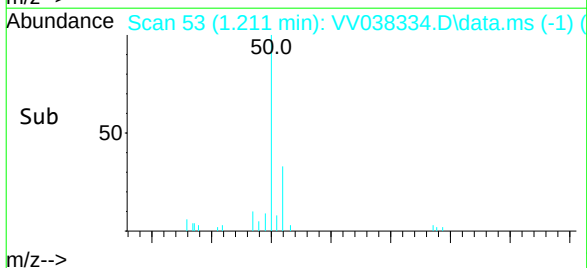
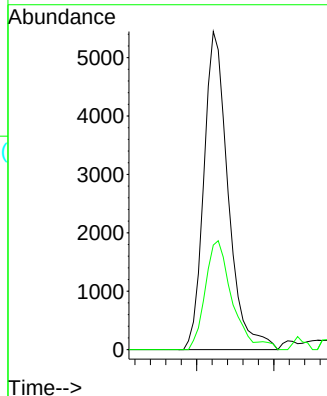
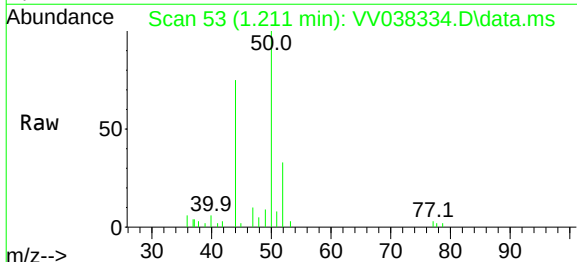
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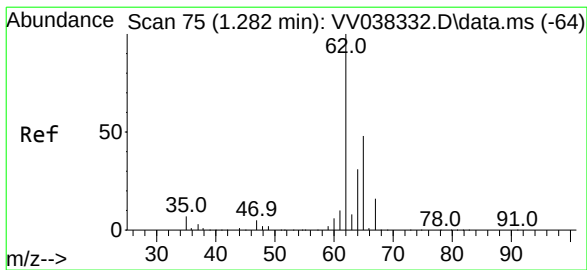
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#3
Chloromethane
Concen: 0.370 ug/L
RT: 1.211 min Scan# 53
Delta R.T. -0.003 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

Tgt Ion: 50 Resp: 5951
Ion Ratio Lower Upper
50 100
52 32.9 23.5 43.7





#5

Vinyl chloride

Concen: 0.310 ug/L

RT: 1.278 min Scan# 74

Delta R.T. -0.003 min

Lab File: VV038334.D

Acq: 25 Nov 2024 11:14

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2024-08

Tgt Ion: 62 Resp: 5648

Ion Ratio Lower Upper

62 100

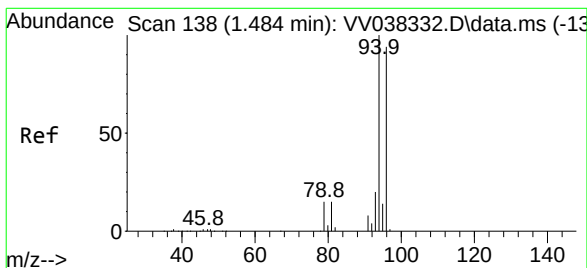
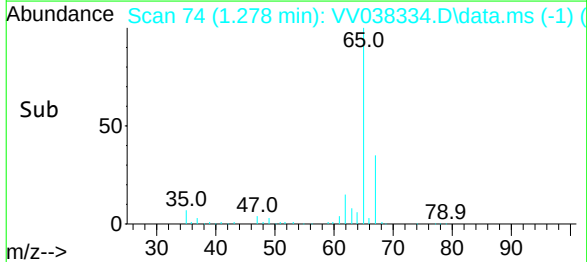
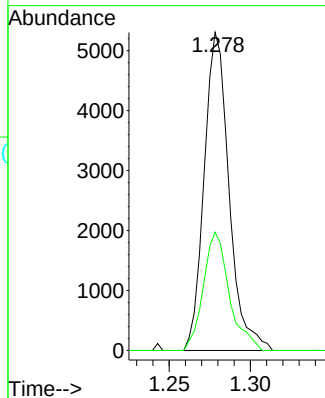
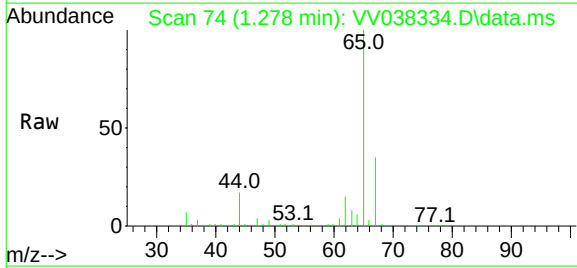
64 37.2 24.4 45.4

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#6

Bromomethane

Concen: 0.472 ug/L

RT: 1.484 min Scan# 138

Delta R.T. -0.000 min

Lab File: VV038334.D

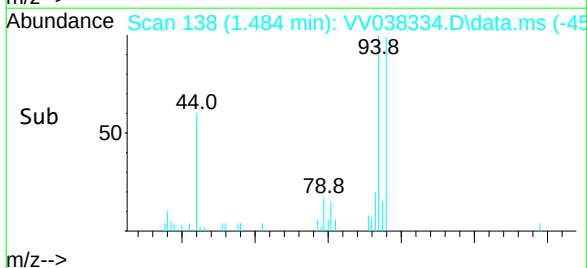
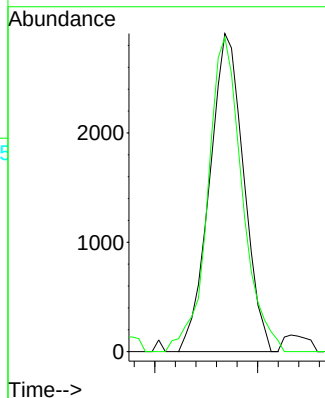
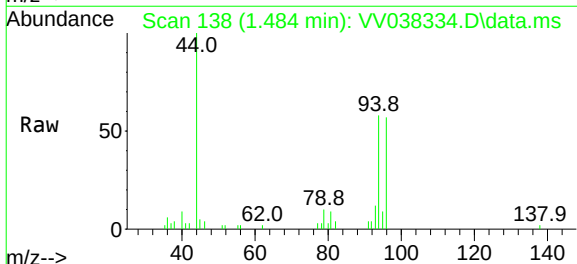
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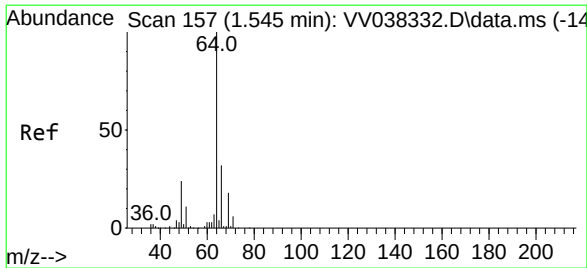
Tgt Ion: 94 Resp: 3349

Ion Ratio Lower Upper

94 100

96 98.8 63.7 118.3





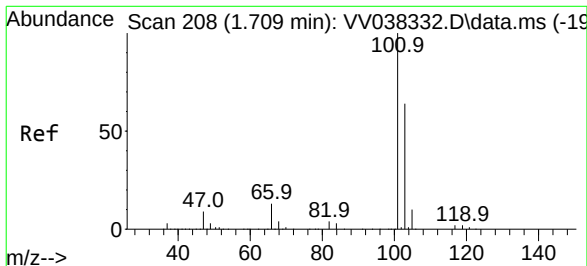
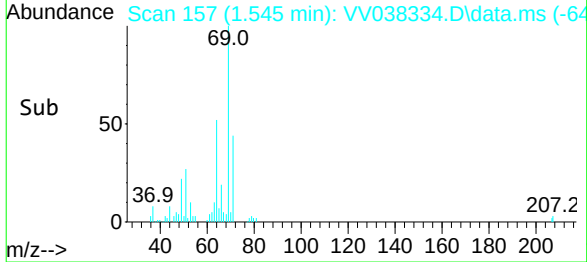
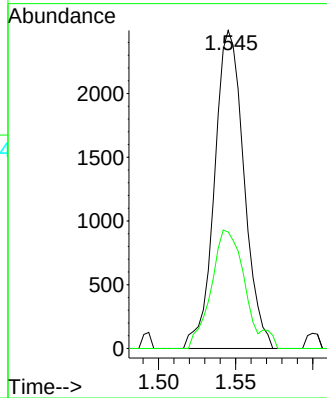
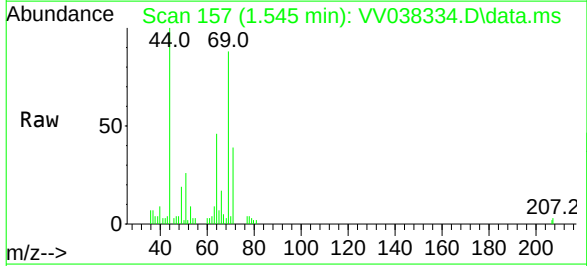
#8
Chloroethane
Concen: 0.285 ug/L
RT: 1.545 min Scan# 157
Delta R.T. -0.000 min
Lab File: VV038334.D
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ClientSampleId : MDL-WATER-QT4-2024-08

Tgt Ion: 64 Resp: 3307
Ion Ratio Lower Upper
64 100
66 36.6 22.0 40.8

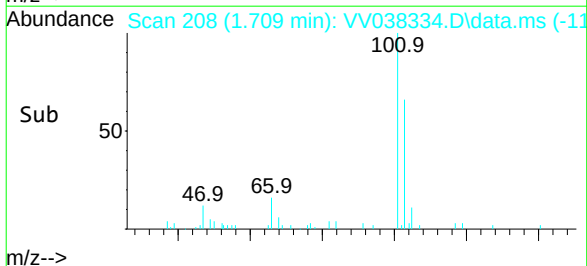
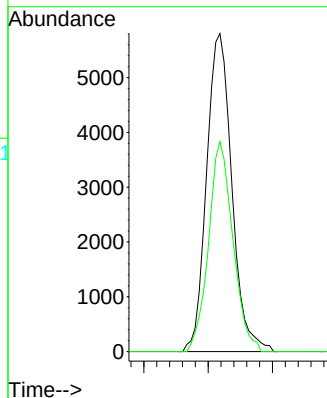
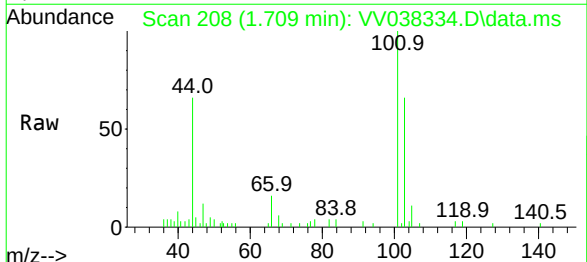
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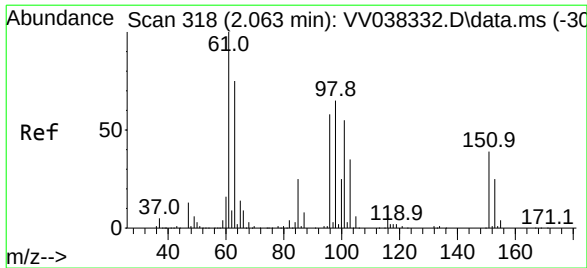
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#9
Trichlorofluoromethane
Concen: 0.305 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.000 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

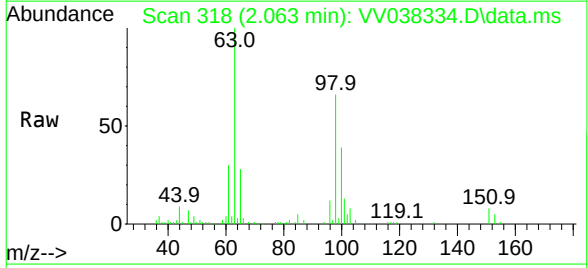
Tgt Ion:101 Resp: 7917
Ion Ratio Lower Upper
101 100
103 63.8 51.5 77.3





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.373 ug/L
RT: 2.063 min Scan# 318
Delta R.T. -0.000 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

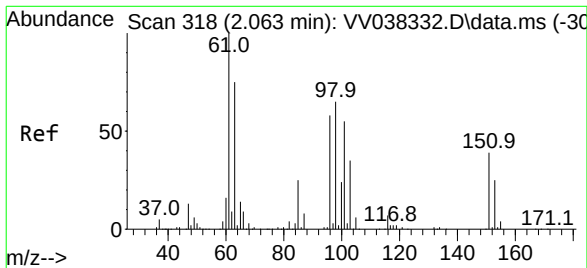
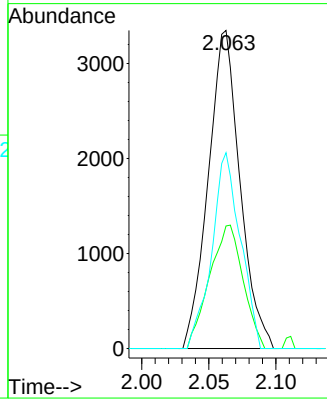
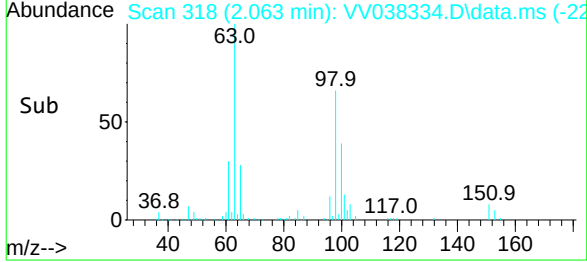
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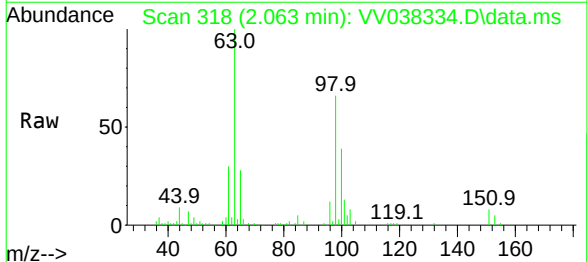
Tgt Ion: 101 Resp: 5516
Ion Ratio Lower Upper
101 100
85 40.9 33.4 50.0
151 55.4 58.8 88.2#

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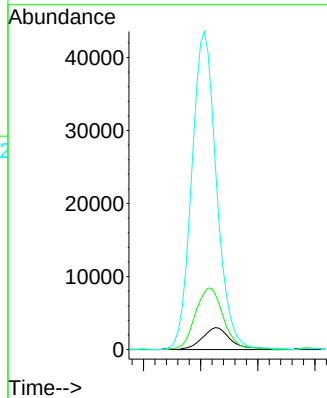
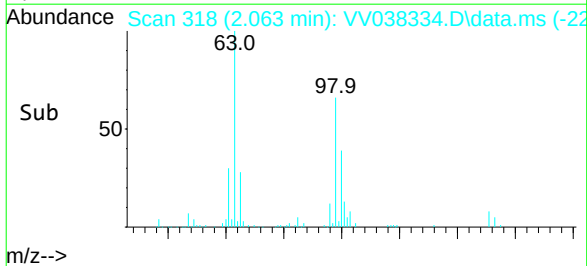
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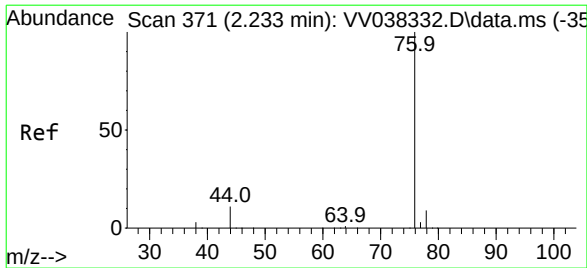


#12
1,1-Dichloroethene
Concen: 0.368 ug/L
RT: 2.063 min Scan# 318
Delta R.T. -0.000 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14



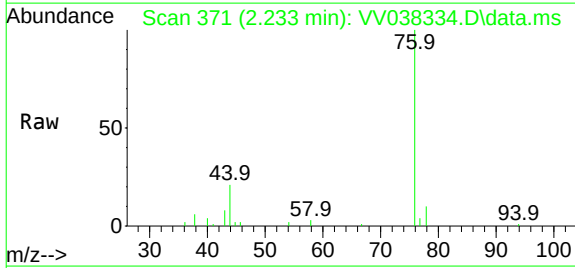
Tgt Ion: 96 Resp: 5181
Ion Ratio Lower Upper
96 100
61 251.2 115.7 214.9#
63 839.8 101.1 187.7#





#14
Carbon disulfide
Concen: 0.278 ug/L
RT: 2.233 min Scan# 371
Delta R.T. -0.000 min
Lab File: VV038334.D
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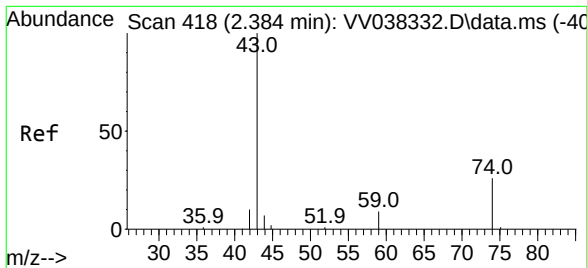
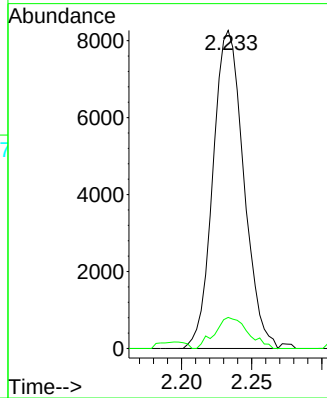
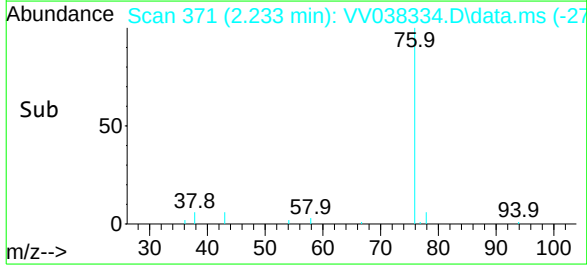
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Tgt Ion: 76 Resp: 12603
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.0

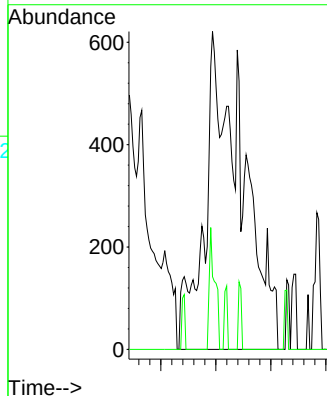
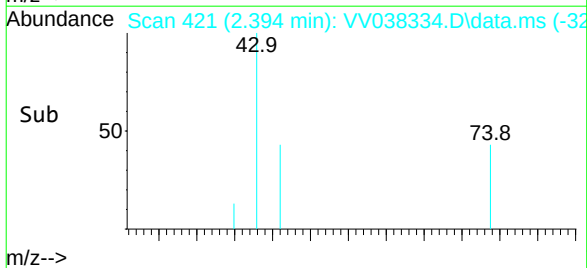
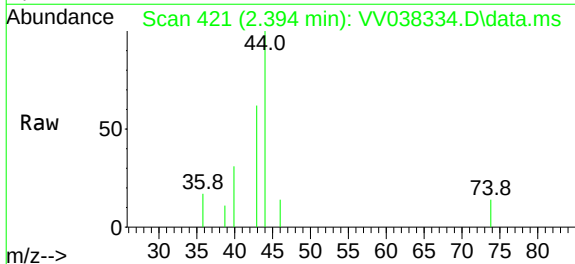
Manual Integrations
APPROVED

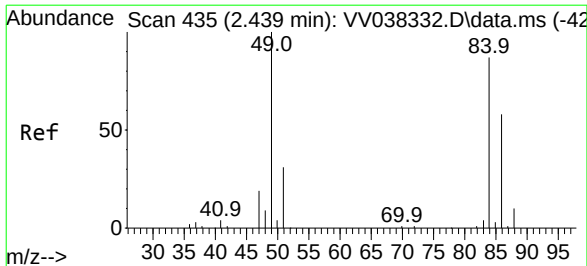
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#15
Methyl Acetate
Concen: 0.539 ug/L m
RT: 2.394 min Scan# 421
Delta R.T. 0.010 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

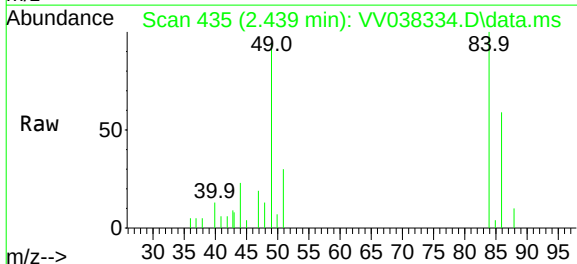
Tgt Ion: 43 Resp: 2931
Ion Ratio Lower Upper
43 100
74 5.8 22.4 33.6#





#16
Methylene chloride
Concen: 0.363 ug/L
RT: 2.439 min Scan# 435
Delta R.T. -0.000 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

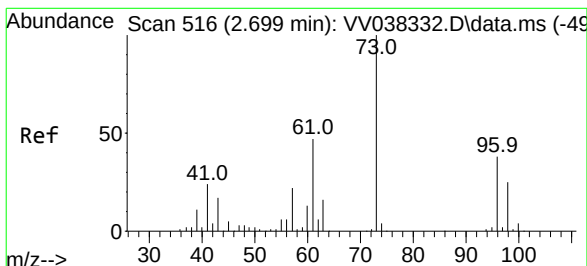
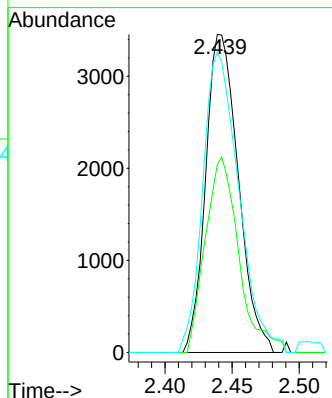
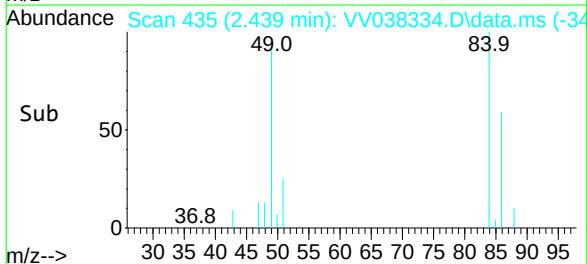
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-08



Tgt Ion: 84 Resp: 5839
Ion Ratio Lower Upper
84 100
86 59.1 44.2 82.2
49 94.5 74.9 139.1

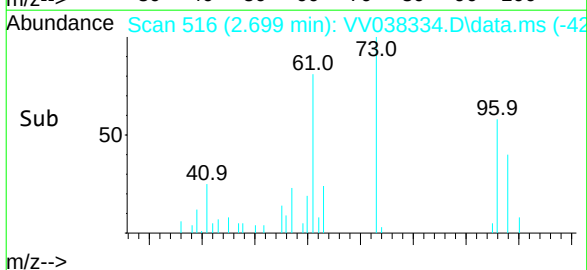
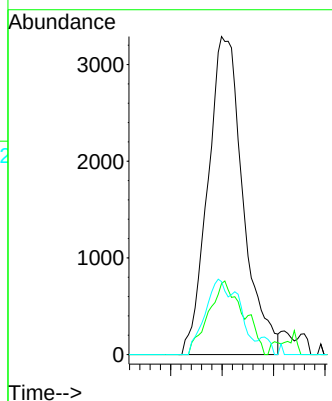
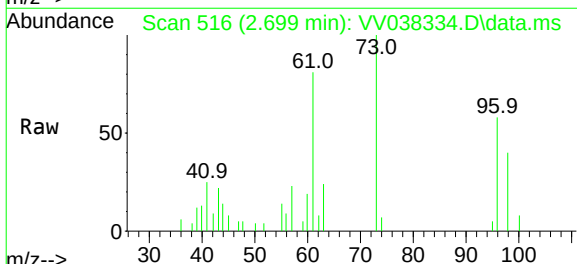
Manual Integrations
APPROVED

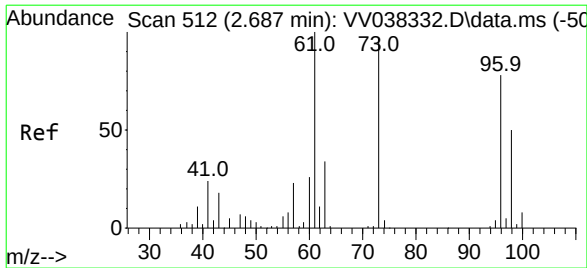
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#17
Methyl tert-butyl Ether
Concen: 0.245 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

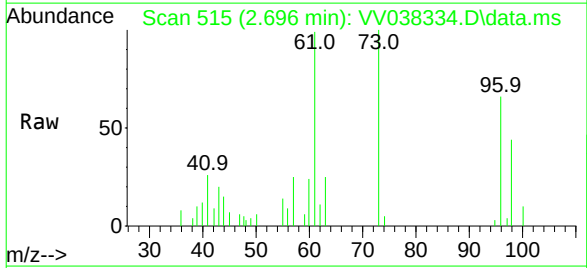
Tgt Ion: 73 Resp: 7817
Ion Ratio Lower Upper
73 100
43 22.9 14.2 21.2#
57 14.8 17.6 26.4#





#18
trans-1,2-Dichloroethene
Concen: 0.292 ug/L
RT: 2.696 min Scan# 511
Delta R.T. 0.010 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

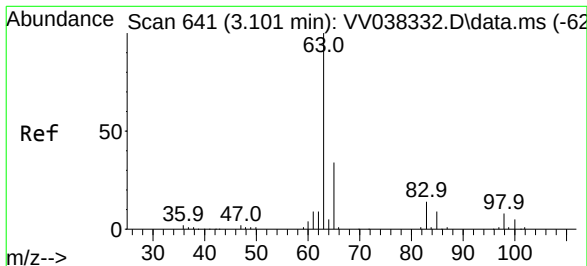
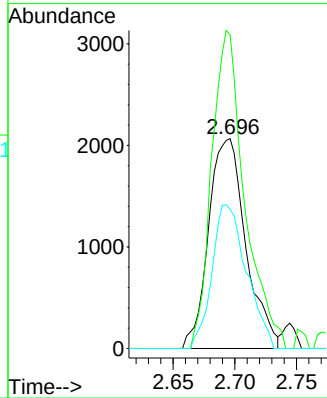
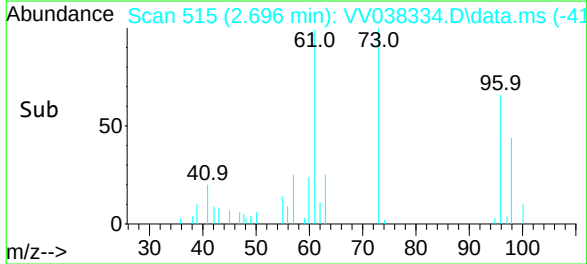
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-08



Tgt Ion: 96 Resp: 4332
Ion Ratio Lower Upper
96 100
61 149.4 88.5 164.4
98 66.3 43.9 81.5

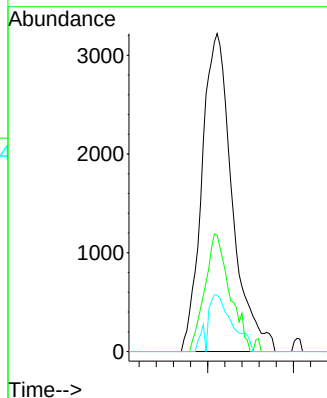
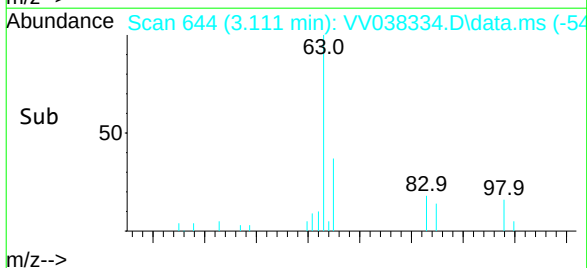
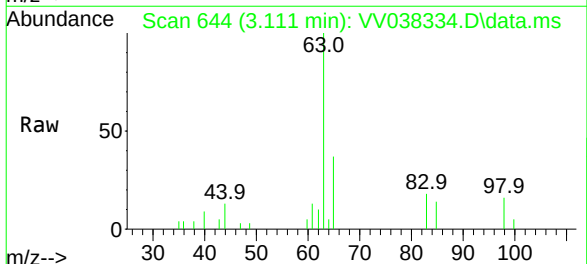
Manual Integrations
APPROVED

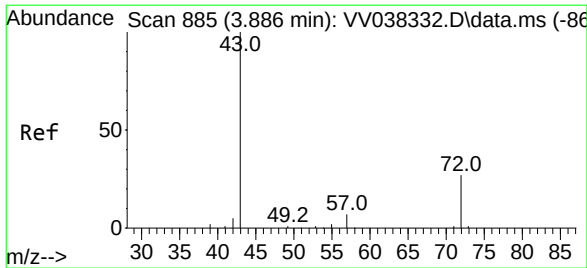
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#19
1,1-Dichloroethane
Concen: 0.293 ug/L
RT: 3.111 min Scan# 644
Delta R.T. 0.010 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

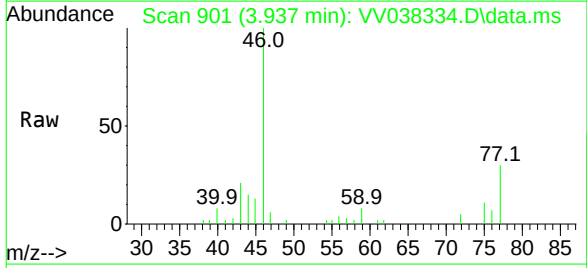
Tgt Ion: 63 Resp: 7898
Ion Ratio Lower Upper
63 100
65 36.6 22.5 41.7
83 17.8 10.1 18.9





#21
2-Butanone
Concen: 3.534 ug/L m
RT: 3.937 min Scan# 90
Delta R.T. 0.051 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

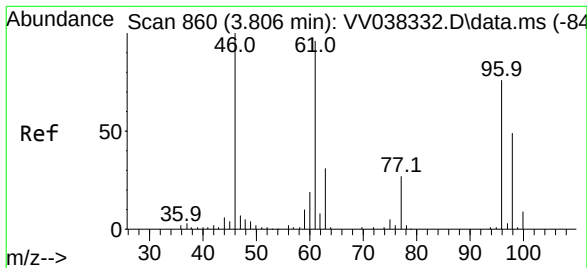
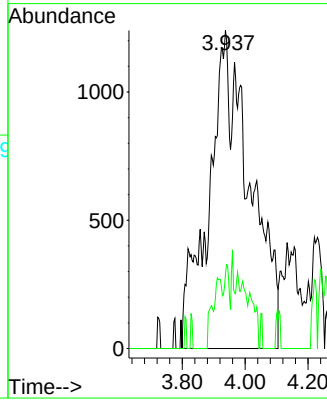
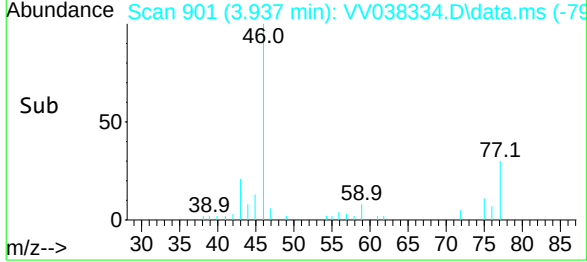
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-08



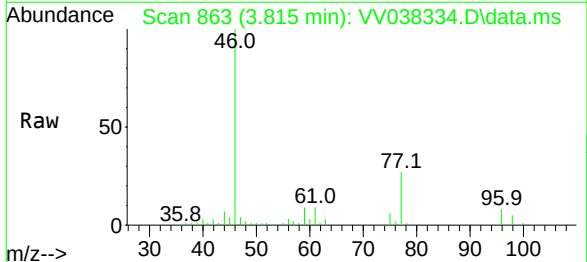
Tgt Ion: 43 Resp: 11349
Ion Ratio Lower Upper
43 100
72 3.4 13.0 39.0#

Manual Integrations
APPROVED

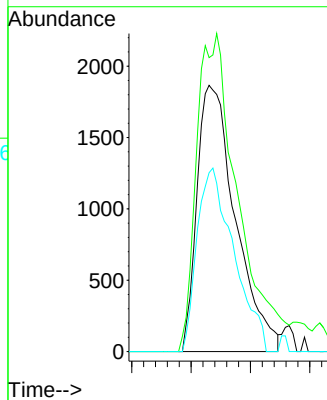
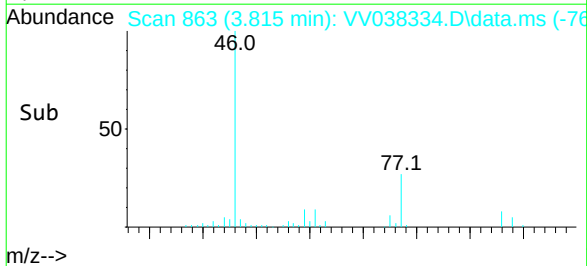
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

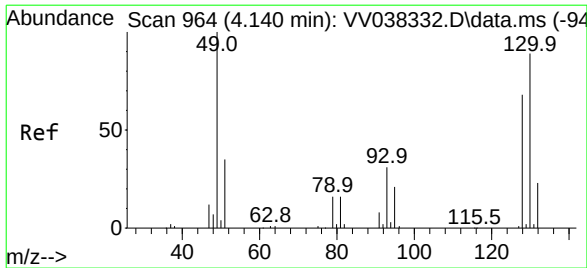


#22
cis-1,2-Dichloroethene
Concen: 0.274 ug/L
RT: 3.815 min Scan# 863
Delta R.T. 0.010 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14



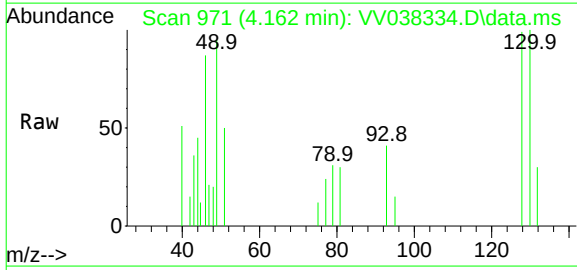
Tgt Ion: 96 Resp: 4199
Ion Ratio Lower Upper
96 100
61 110.4 82.7 153.5
98 67.1 46.3 85.9





#23
Bromochloromethane
Concen: 0.288 ug/L
RT: 4.162 min Scan# 971
Delta R.T. 0.022 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

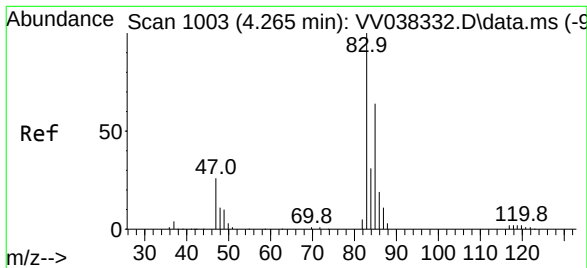
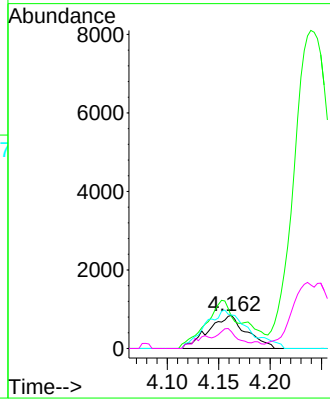
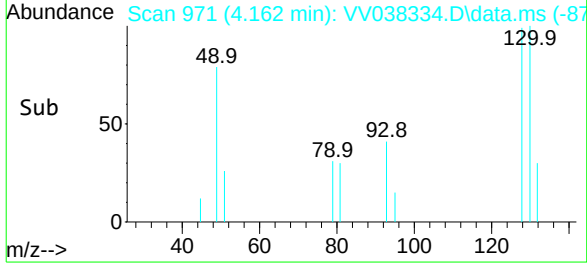
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-08



Tgt Ion	Ratio	Lower	Upper
128	100		
49	96.1	102.8	190.8
130	101.2	93.6	173.8
51	50.5	37.1	55.7

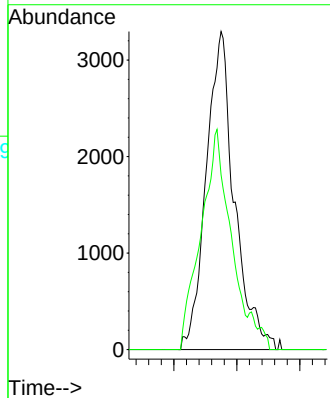
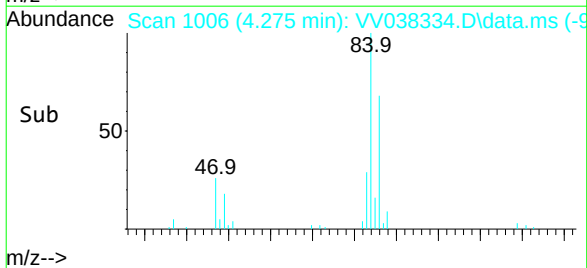
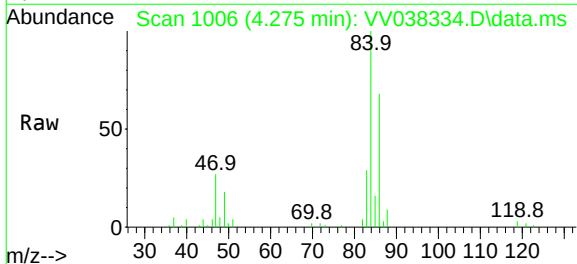
Manual Integrations
APPROVED

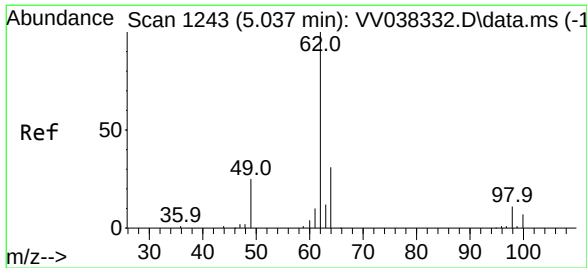
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#25
Chloroform
Concen: 0.354 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. 0.010 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

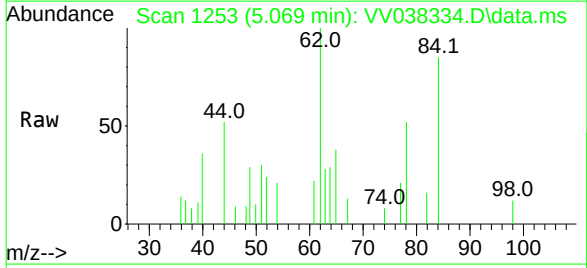
Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.9	46.5	86.3





#27
1,2-Dichloroethane
Concen: 0.344 ug/L m
RT: 5.069 min Scan# 12
Delta R.T. 0.032 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

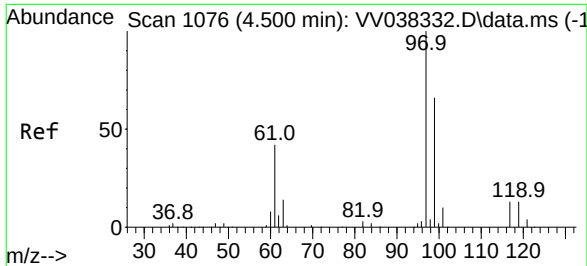
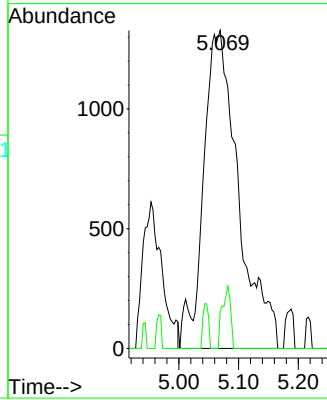
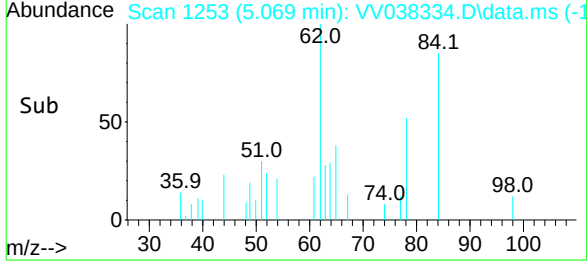
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-08



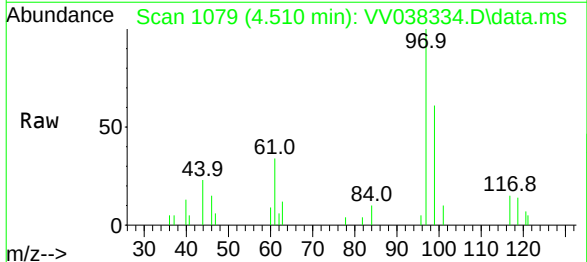
Tgt Ion: 62 Resp: 5400
Ion Ratio Lower Upper
62 100
98 11.7 8.2 12.4

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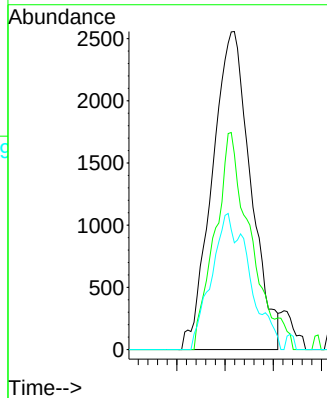
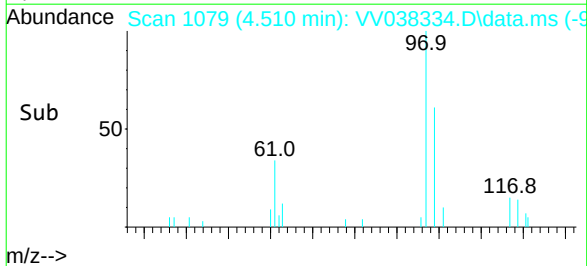
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

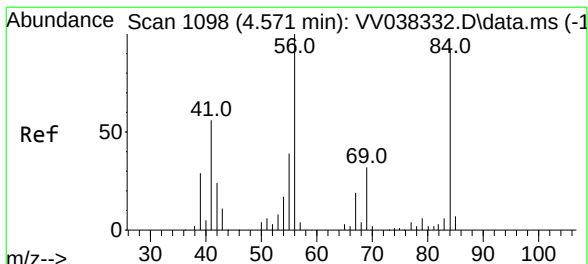


#29
1,1,1-Trichloroethane
Concen: 0.271 ug/L
RT: 4.510 min Scan# 1079
Delta R.T. 0.010 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14



Tgt Ion: 97 Resp: 7117
Ion Ratio Lower Upper
97 100
99 63.2 51.8 77.8
61 27.2 32.2 48.2#





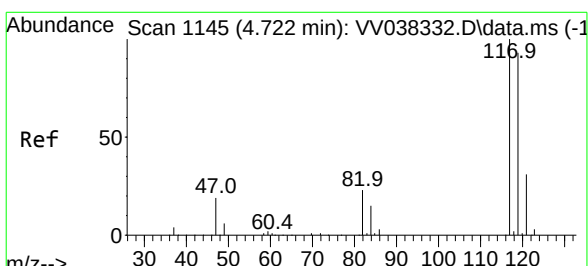
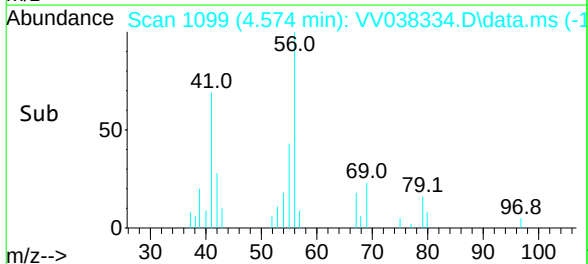
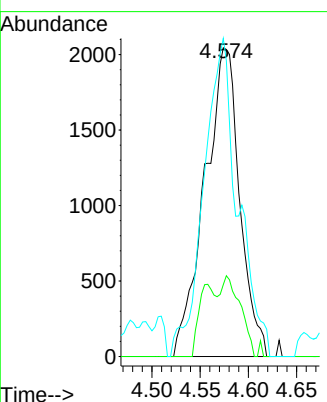
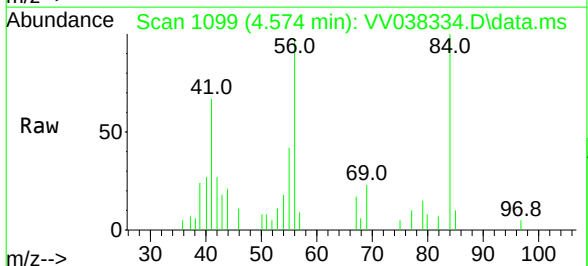
#30
Cyclohexane
Concen: 0.237 ug/L
RT: 4.574 min Scan# 1098
Delta R.T. 0.003 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

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

Tgt Ion	Ratio	Lower	Upper
56	100		
69	14.9	26.0	39.0
84	100.4	75.6	113.4

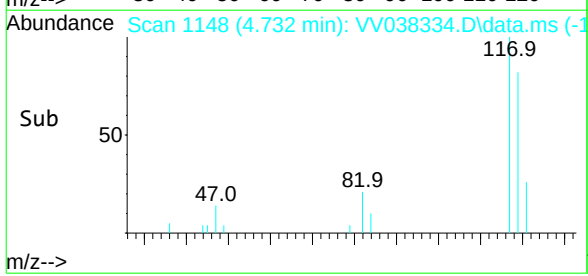
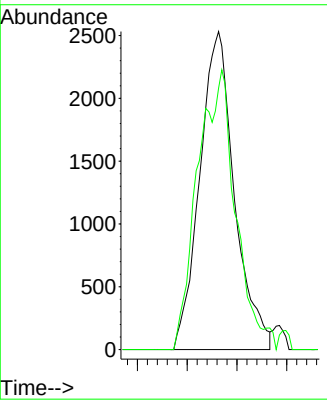
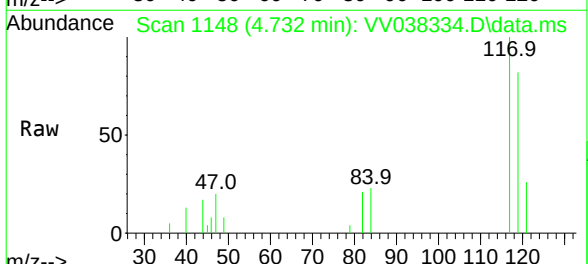
Manual Integrations
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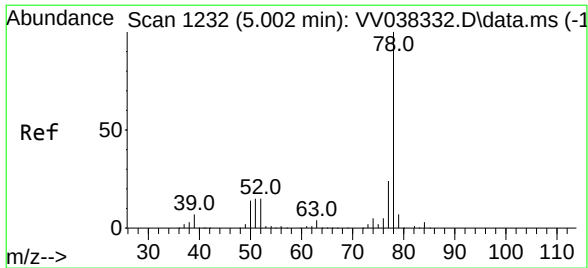
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#31
Carbon tetrachloride
Concen: 0.265 ug/L
RT: 4.732 min Scan# 1148
Delta R.T. 0.010 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.4	116.2





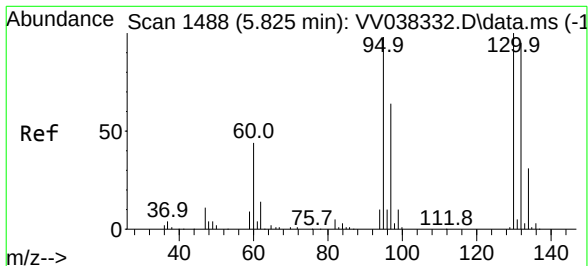
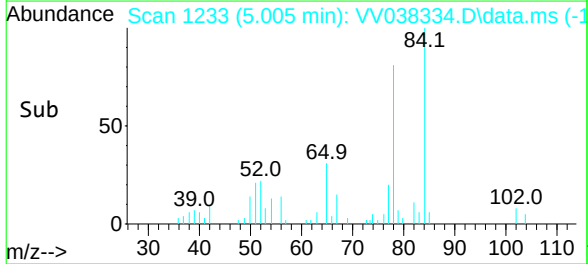
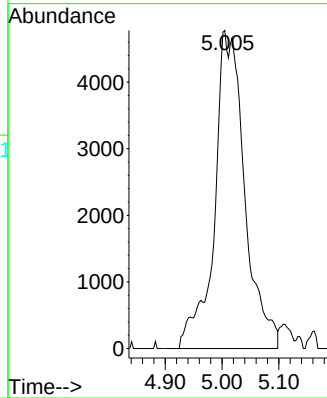
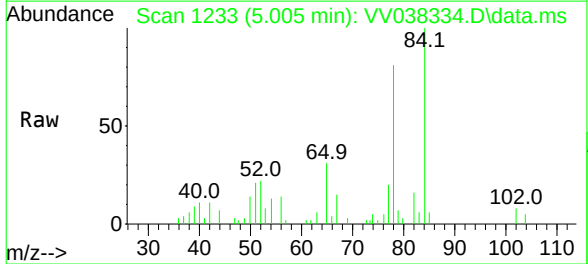
#33
Benzene
Concen: 0.287 ug/L m
RT: 5.005 min Scan# 1233
Delta R.T. 0.003 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

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

Tgt Ion: 78 Resp: 17639

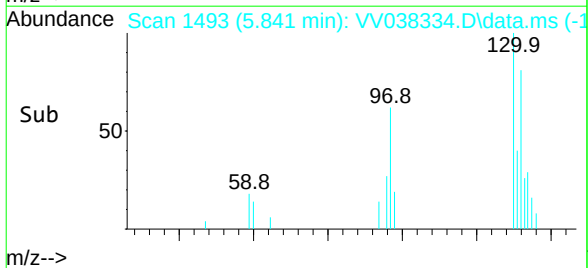
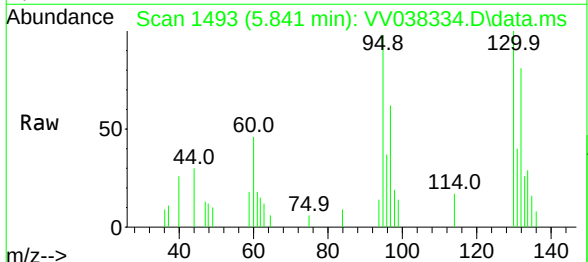
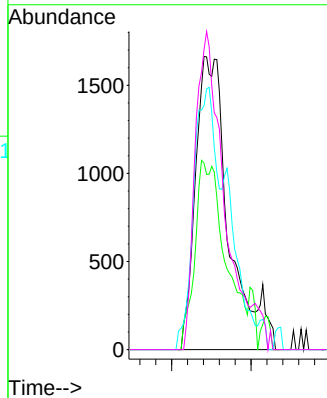
Manual Integrations
APPROVED

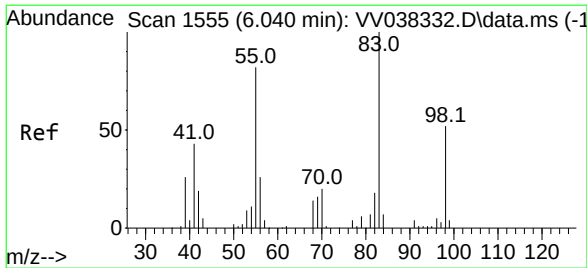
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#34
Trichloroethene
Concen: 0.291 ug/L m
RT: 5.841 min Scan# 1493
Delta R.T. 0.016 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

Tgt Ion: 95	Resp: 4866
Ion Ratio	Lower Upper
95 100	
97 63.6	44.8 83.2
132 83.3	68.3 126.8
130 102.4	70.2 130.4





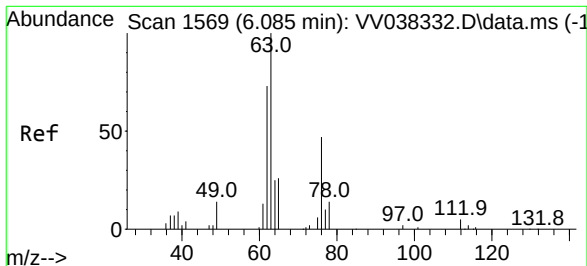
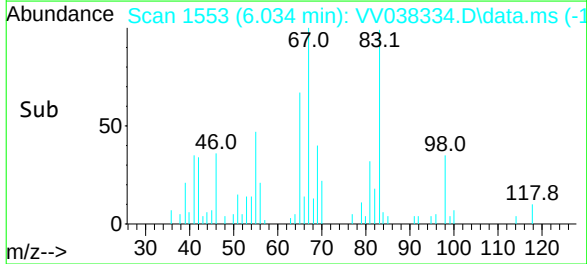
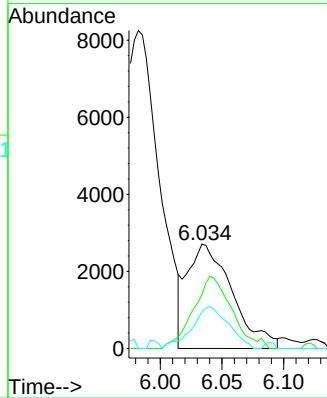
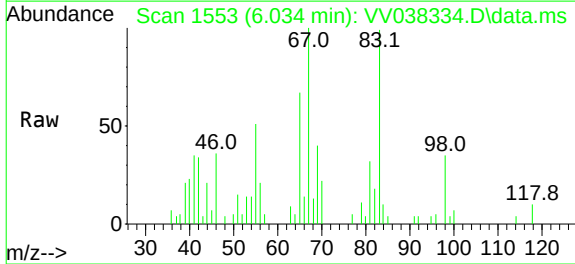
#35
Methylcyclohexane
Concen: 0.291 ug/L m
RT: 6.034 min Scan# 1553
Delta R.T. -0.006 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

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

Tgt Ion	83	Resp	6882
Ion	Ratio	Lower	Upper
83	100		
55	58.7	59.7	89.5#
98	32.6	39.0	58.4#

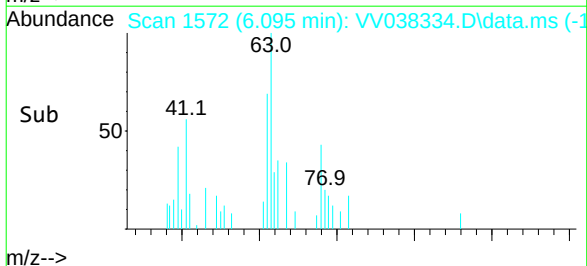
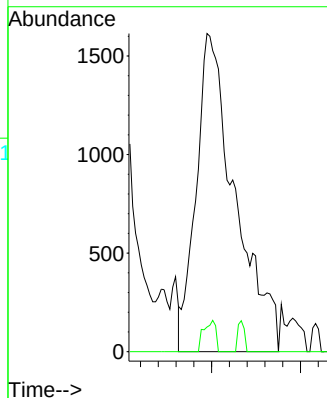
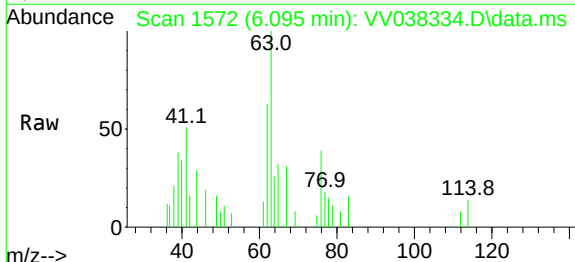
Manual Integrations
APPROVED

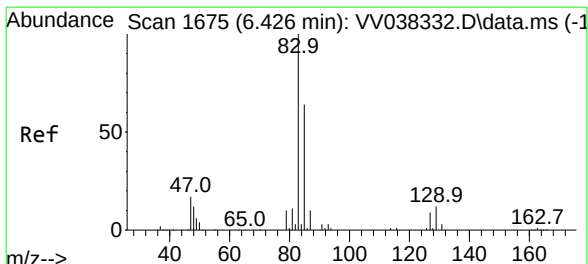
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#37
1,2-Dichloropropane
Concen: 0.319 ug/L m
RT: 6.095 min Scan# 1572
Delta R.T. 0.010 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

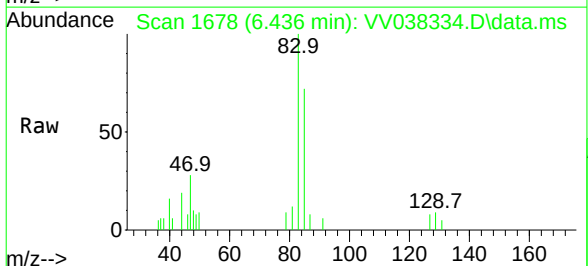
Tgt Ion	63	Resp	4908
Ion	Ratio	Lower	Upper
63	100		
112	3.0	3.9	5.9#





#38
 Bromodichloromethane
 Concen: 0.259 ug/L
 RT: 6.436 min Scan# 1675
 Delta R.T. 0.010 min
 Lab File: VV038334.D
 Acq: 25 Nov 2024 11:14

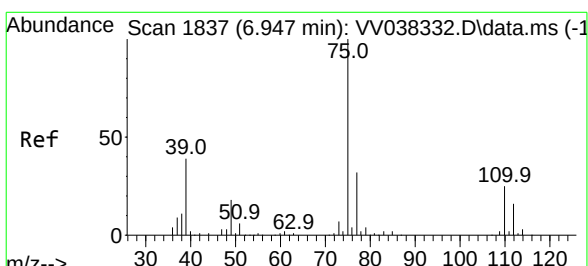
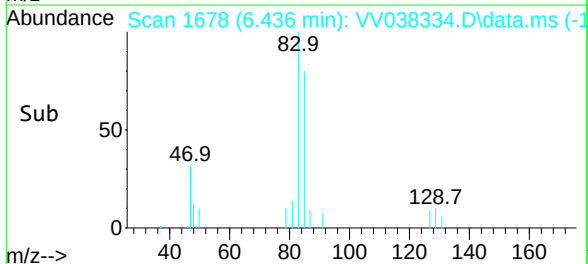
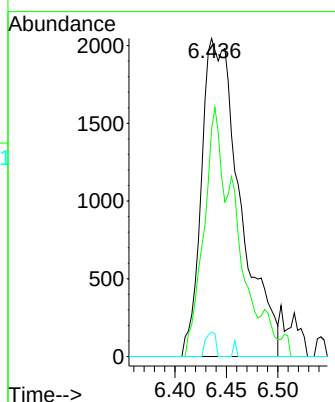
Instrument : MSVOA_V
 ClientSampleId : MDL-WATER-QT4-2024-08



Tgt Ion:	83	Resp:	5354
Ion	Ratio	Lower	Upper
83	100		
85	71.6	43.9	81.5
127	7.7	6.7	10.1

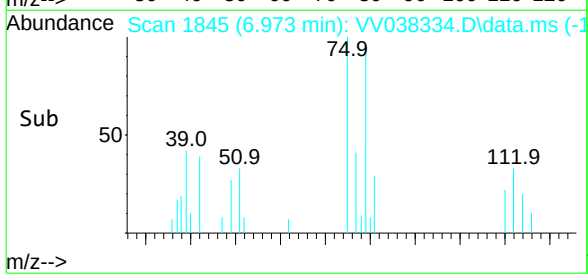
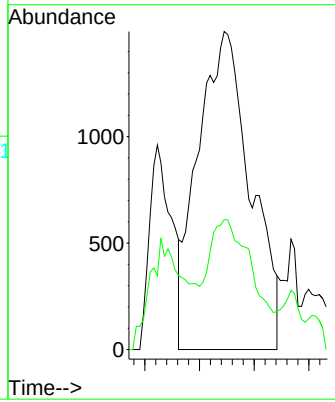
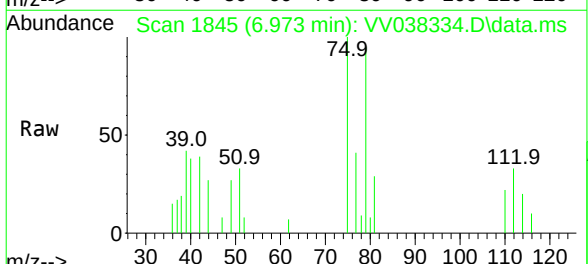
Manual Integrations
 APPROVED

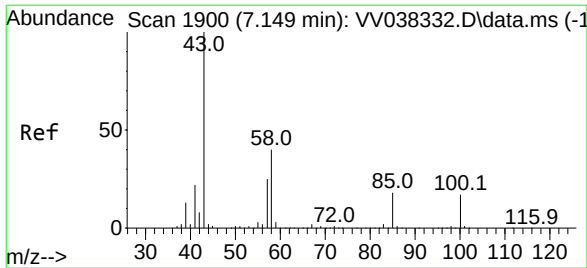
Reviewed By :Mahesh Dadoda 11/26/2024
 Supervised By :Semsettin Yesilyurt 11/26/2024



#39
 cis-1,3-Dichloropropene
 Concen: 0.234 ug/L m
 RT: 6.973 min Scan# 1845
 Delta R.T. 0.026 min
 Lab File: VV038334.D
 Acq: 25 Nov 2024 11:14

Tgt Ion:	75	Resp:	5020
Ion	Ratio	Lower	Upper
75	100		
77	40.8	23.4	43.6





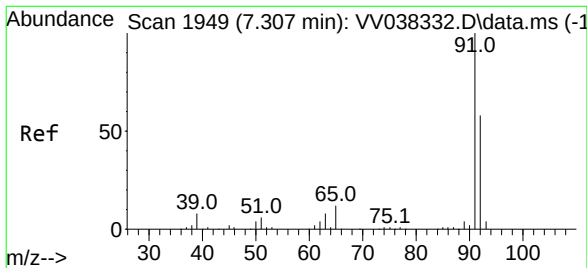
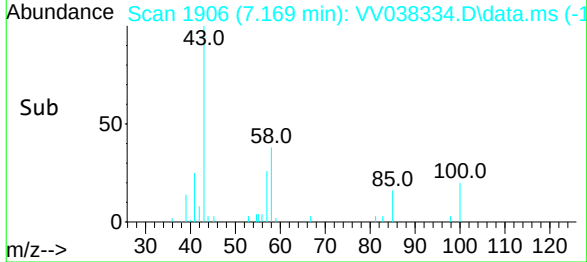
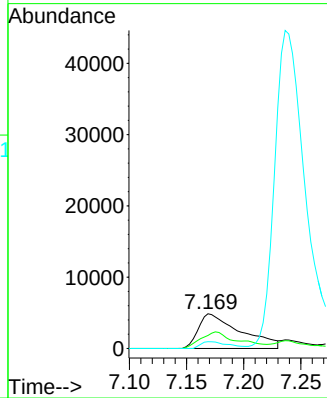
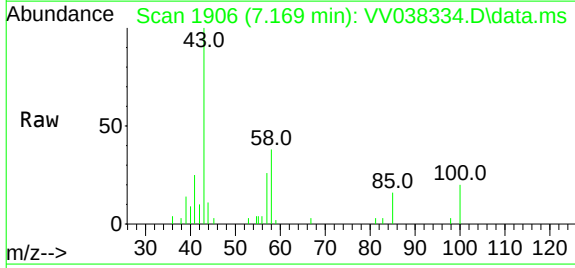
#40
4-Methyl-2-pentanone
Concen: 1.550 ug/L
RT: 7.169 min Scan# 1906
Delta R.T. 0.019 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

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

Tgt Ion: 43 Resp: 12477
Ion Ratio Lower Upper
43 100
58 42.1 33.4 50.2
100 0.0 14.3 21.5#

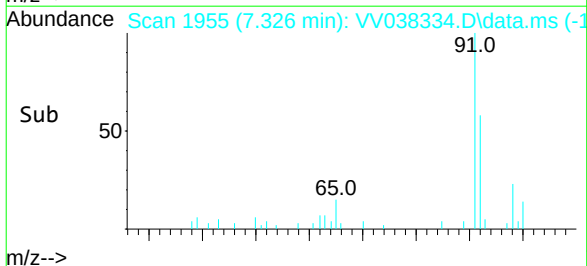
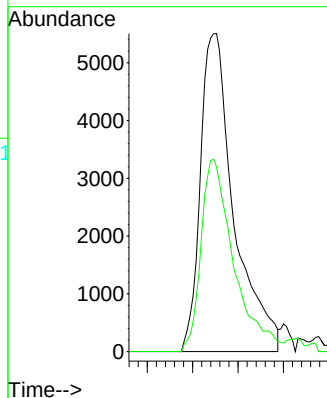
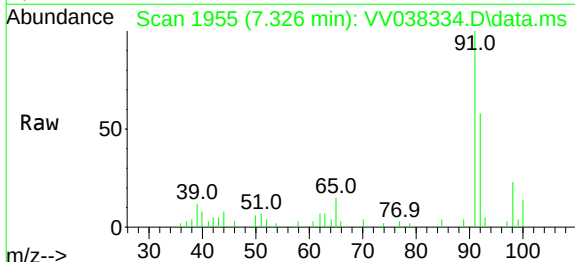
Manual Integrations
APPROVED

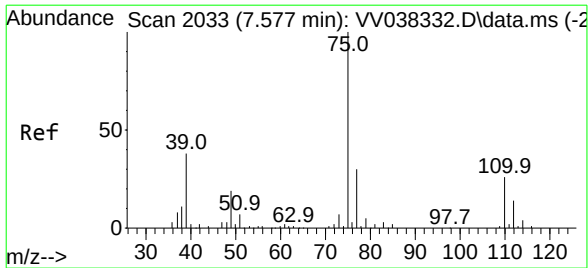
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#42
Toluene
Concen: 0.217 ug/L
RT: 7.326 min Scan# 1955
Delta R.T. 0.019 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

Tgt Ion: 91 Resp: 14130
Ion Ratio Lower Upper
91 100
92 58.1 40.8 75.8





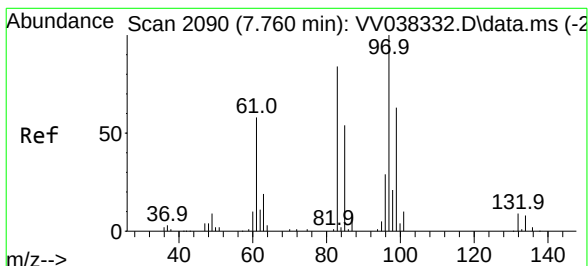
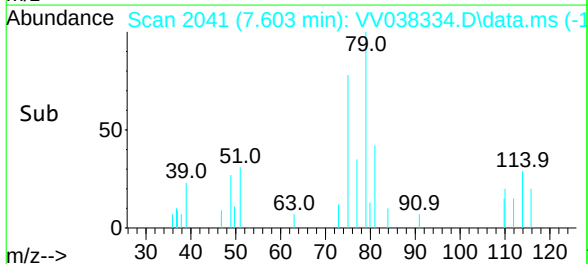
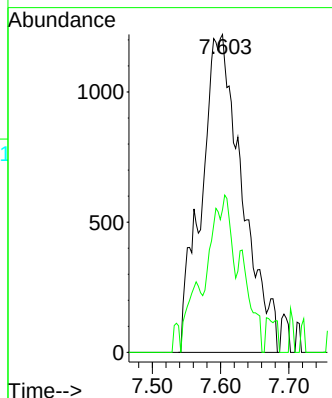
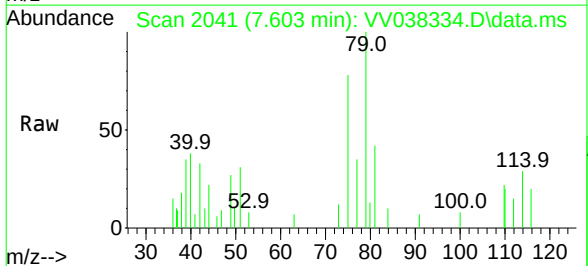
#44
trans-1,3-Dichloropropene
Concen: 0.280 ug/L m
RT: 7.603 min Scan# 2033
Delta R.T. 0.026 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

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

Tgt Ion: 75 Resp: 5071
Ion Ratio Lower Upper
75 100
77 44.9 23.4 43.4#

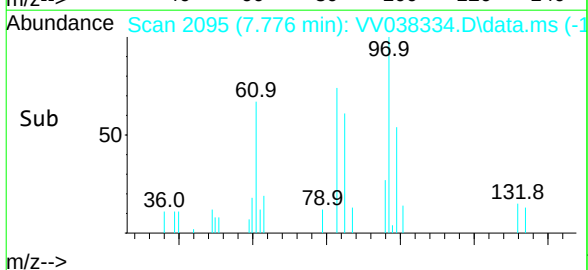
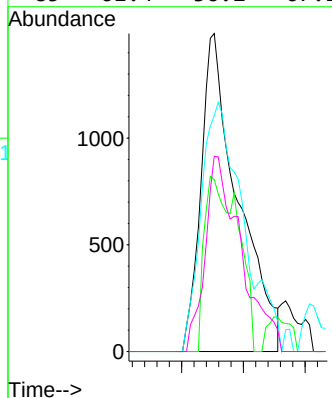
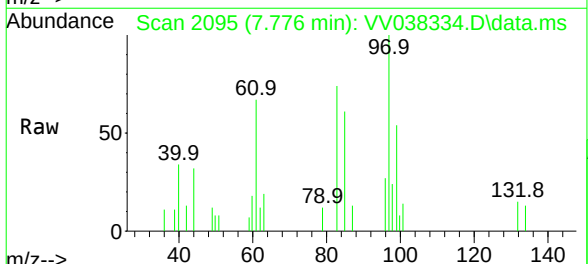
Manual Integrations
APPROVED

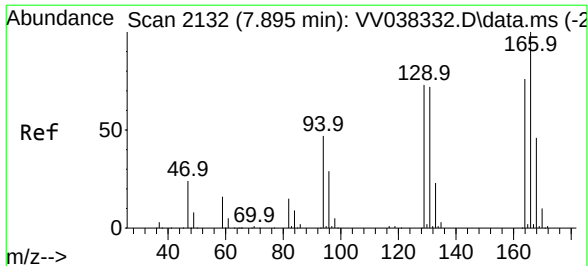
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#45
1,1,2-Trichloroethane
Concen: 0.248 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.016 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

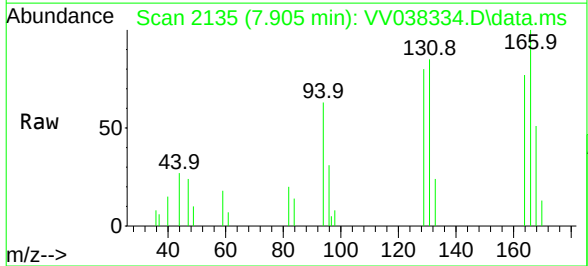
Tgt Ion: 97 Resp: 3095
Ion Ratio Lower Upper
97 100
99 54.1 41.9 77.7
83 74.2 57.7 107.1
85 61.4 36.2 67.2





#47
Tetrachloroethene
Concen: 0.245 ug/L
RT: 7.905 min Scan# 211
Delta R.T. 0.010 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

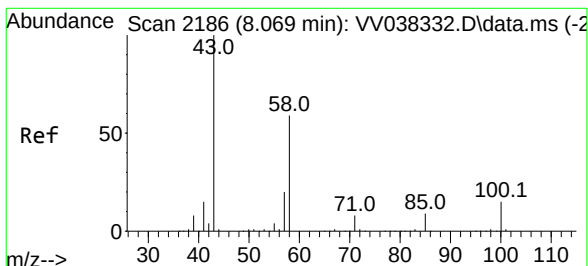
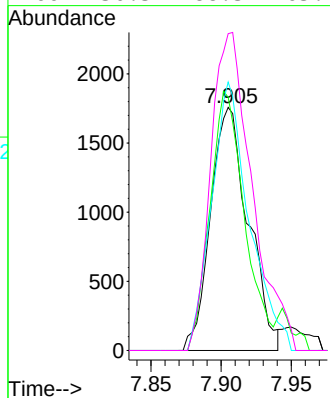
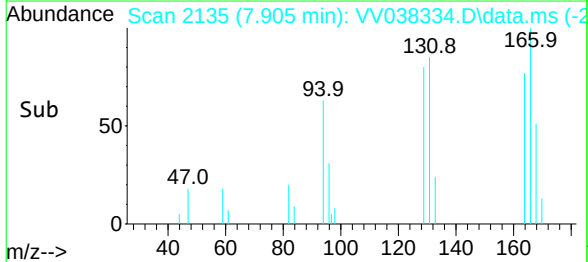
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-08



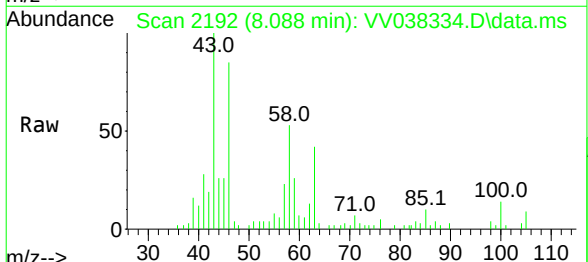
Tgt Ion:	164	Resp:	3298
Ion	Ratio	Lower	Upper
164	100		
129	104.2	68.5	127.1
131	110.4	64.8	120.4
166	130.3	88.3	163.9

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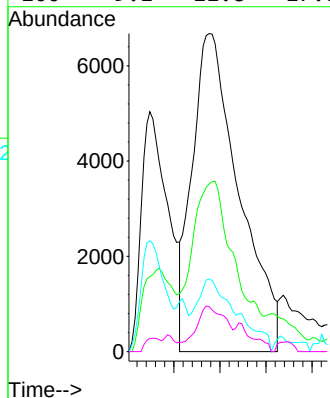
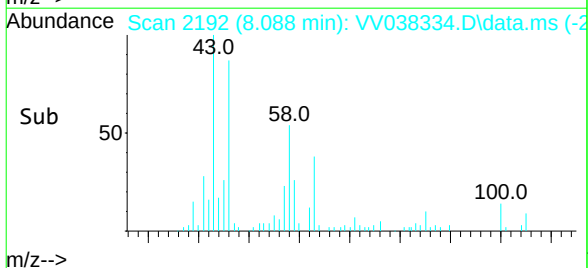
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

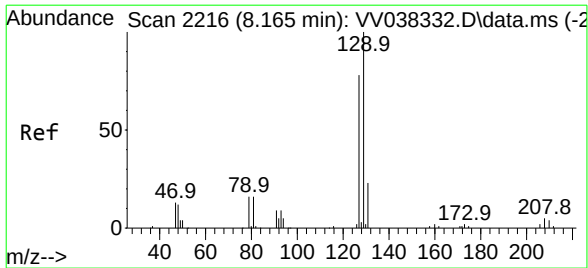


#48
2-Hexanone
Concen: 4.045 ug/L m
RT: 8.088 min Scan# 2192
Delta R.T. 0.019 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14



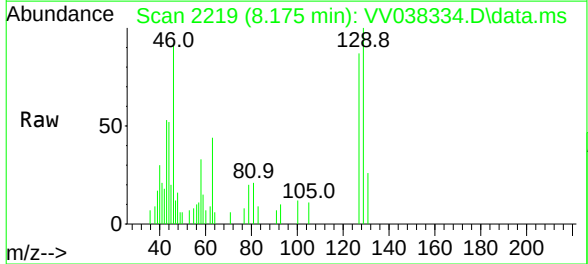
Tgt Ion:	43	Resp:	23620
Ion	Ratio	Lower	Upper
43	100		
58	37.3	49.2	73.8#
57	19.0	16.9	25.3
100	9.1	11.8	17.8#





#49
Dibromochloromethane
Concen: 0.251 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.010 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

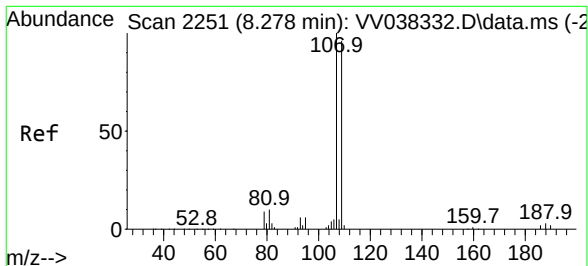
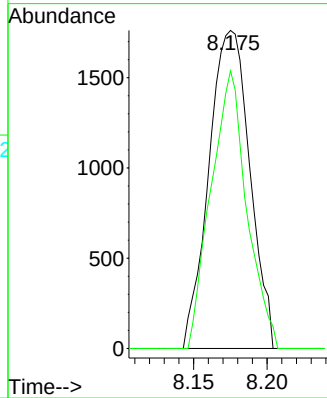
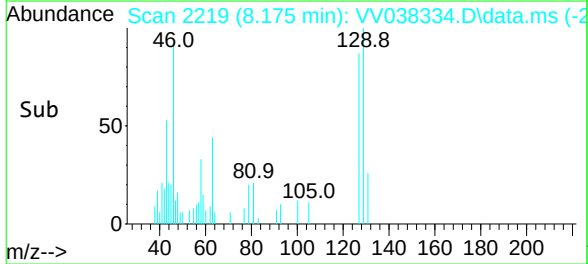
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-08



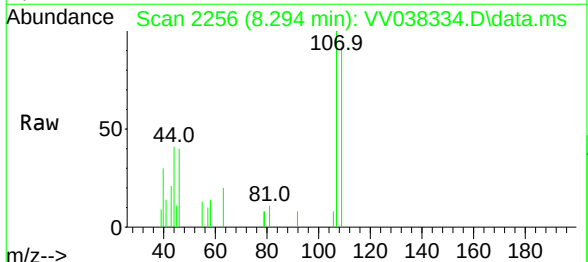
Tgt Ion:129 Resp: 3417
Ion Ratio Lower Upper
129 100
127 87.3 53.5 99.3

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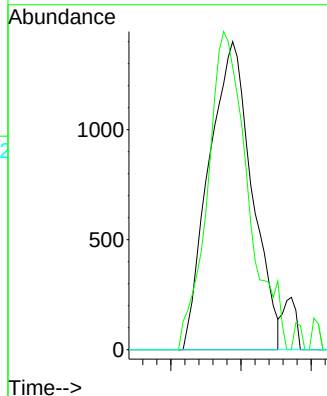
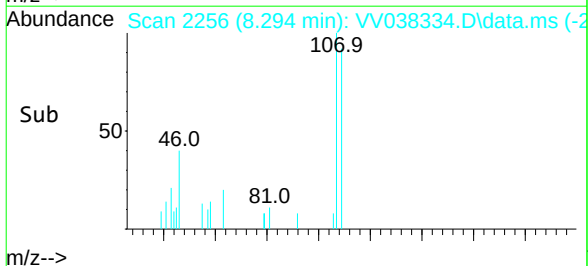
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

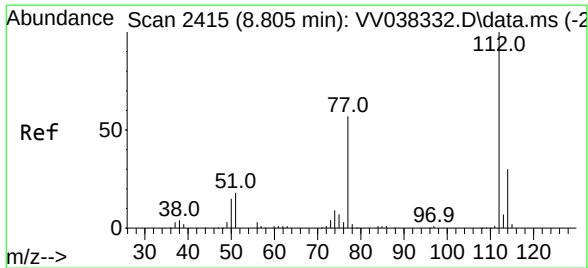


#50
1,2-Dibromoethane
Concen: 0.258 ug/L
RT: 8.294 min Scan# 2256
Delta R.T. 0.016 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14



Tgt Ion:107 Resp: 2988
Ion Ratio Lower Upper
107 100
109 91.7 66.1 122.7
188 0.0 2.6 3.8#





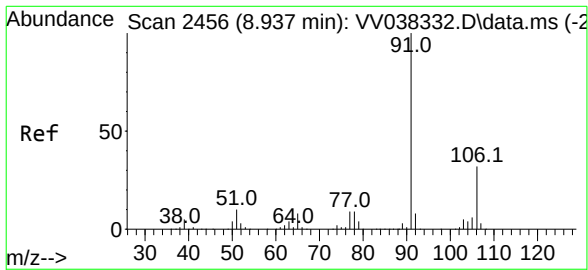
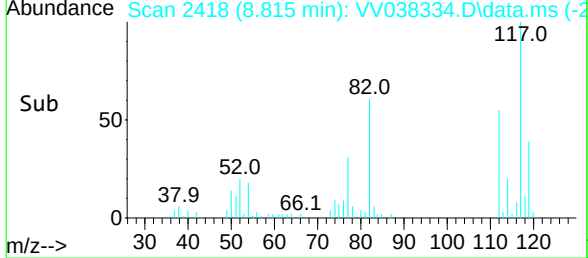
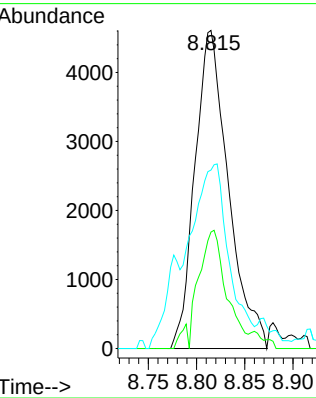
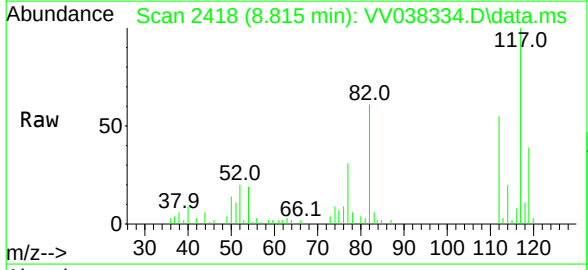
#51
Chlorobenzene
Concen: 0.248 ug/L
RT: 8.815 min Scan# 2415
Delta R.T. 0.010 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

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

Tgt Ion:	112	Resp:	11106
Ion Ratio	Lower	Upper	
112	100		
114	36.6	22.0	40.8
77	56.1	45.0	67.4

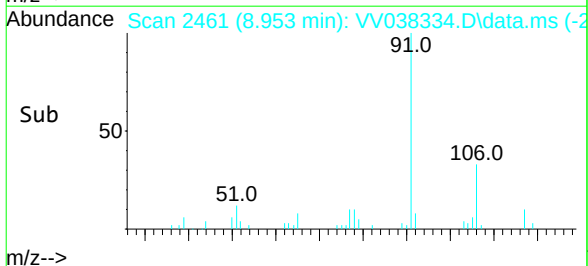
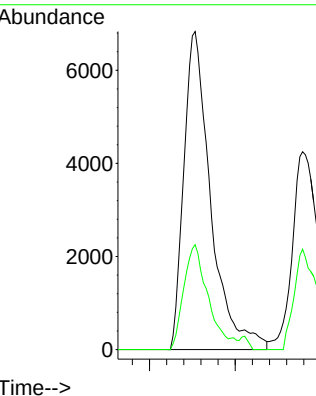
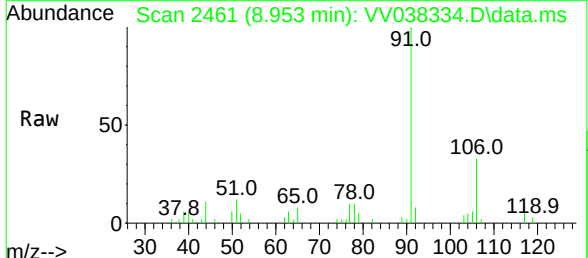
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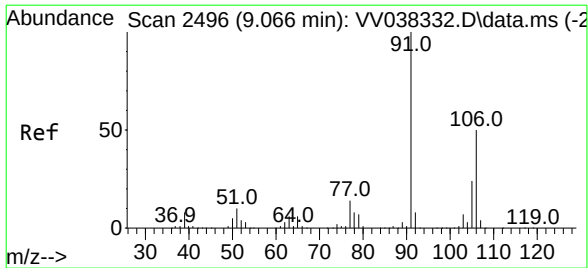
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#52
Ethylbenzene
Concen: 0.215 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.016 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

Tgt Ion:	91	Resp:	14838
Ion Ratio	Lower	Upper	
91	100		
106	33.0	21.8	40.4





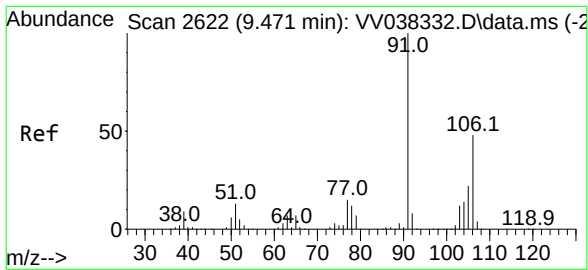
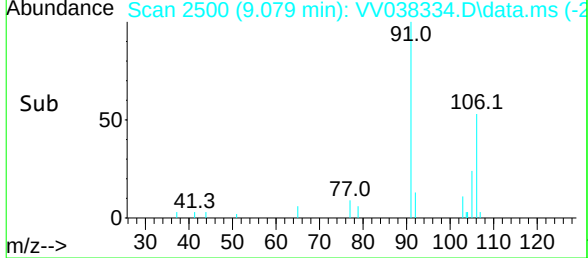
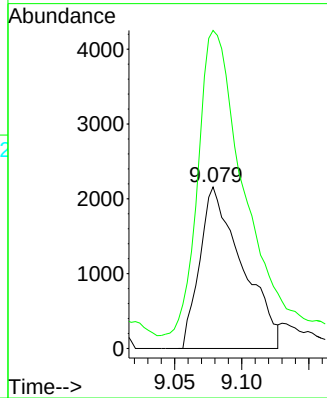
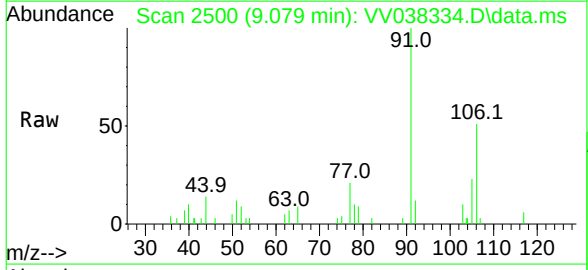
#53
m,p-Xylene
Concen: 0.182 ug/L
RT: 9.079 min Scan# 2511
Delta R.T. 0.013 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

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

Tgt Ion:106 Resp: 4751
Ion Ratio Lower Upper
106 100
91 197.0 138.7 257.5

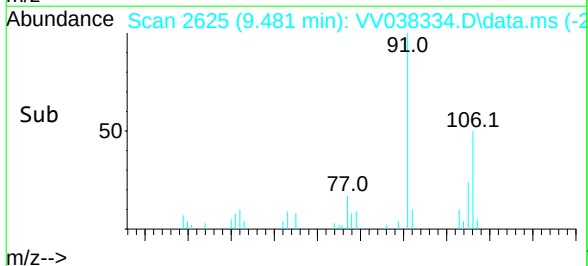
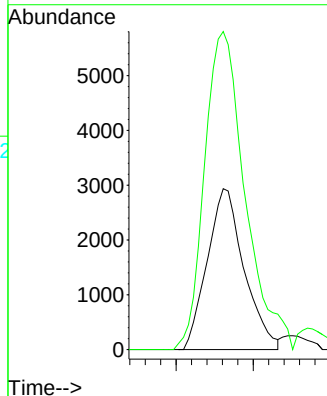
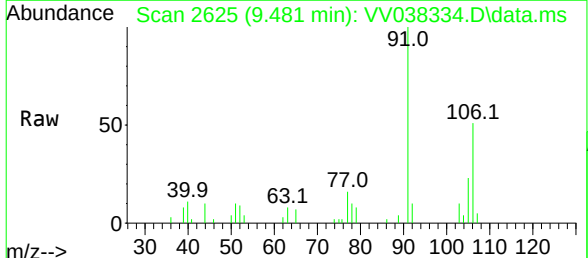
Manual Integrations
APPROVED

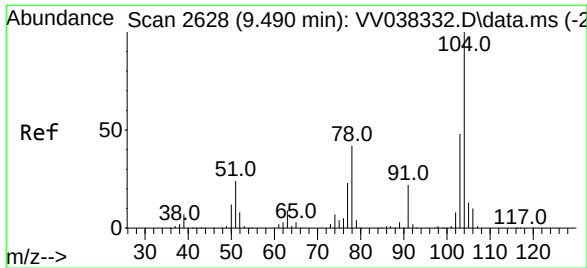
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#54
o-Xylene
Concen: 0.192 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.010 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

Tgt Ion:106 Resp: 4866
Ion Ratio Lower Upper
106 100
91 197.7 155.5 288.7





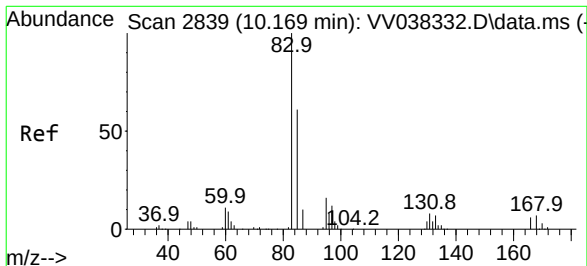
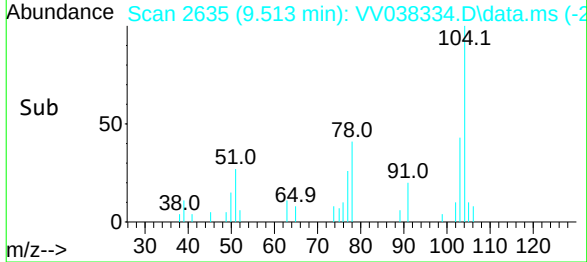
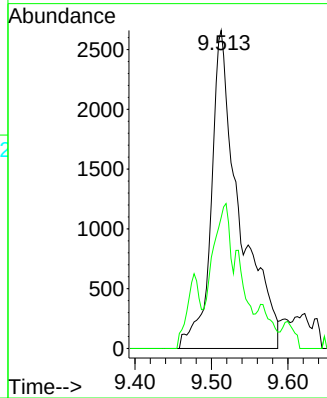
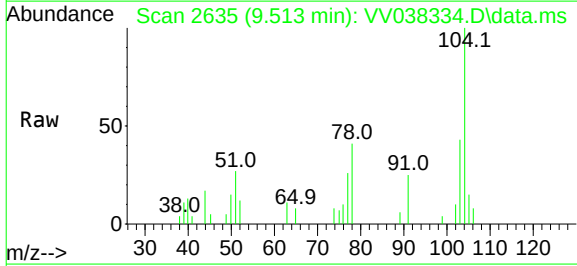
#55
Styrene
Concen: 0.154 ug/L m
RT: 9.513 min Scan# 2628
Delta R.T. 0.022 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

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

Tgt Ion: 104 Resp: 6861
Ion Ratio Lower Upper
104 100
78 41.2 29.7 55.1

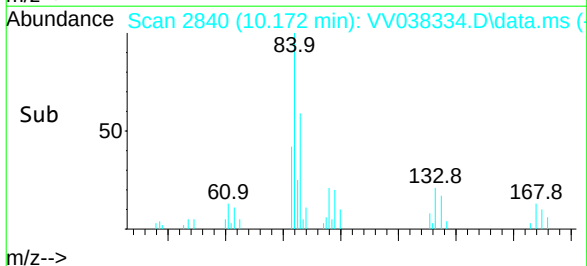
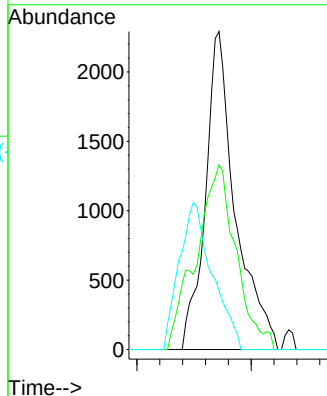
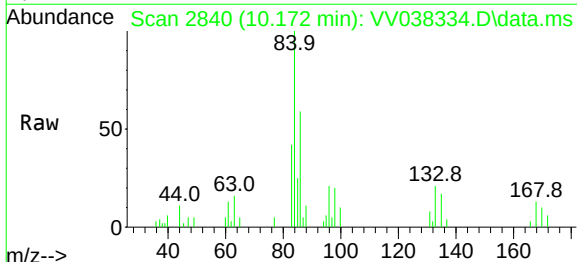
Manual Integrations
APPROVED

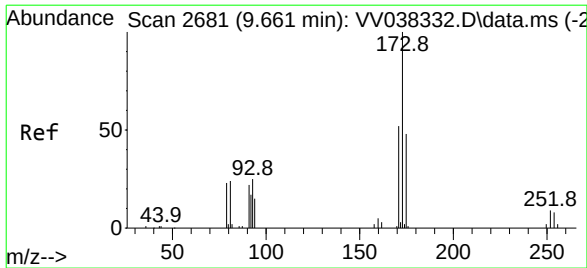
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#57
1,1,2,2-Tetrachloroethane
Concen: 0.285 ug/L
RT: 10.172 min Scan# 2840
Delta R.T. 0.003 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

Tgt Ion: 83 Resp: 4164
Ion Ratio Lower Upper
83 100
85 58.1 45.7 84.9
131 18.6 8.2 12.4#





#59

Bromoform

Concen: 0.243 ug/L

RT: 9.664 min Scan# 2681

Delta R.T. 0.003 min

Lab File: VV038334.D

Acq: 25 Nov 2024 11:14

Instrument :

MSVOA_V

ClientSampleId :

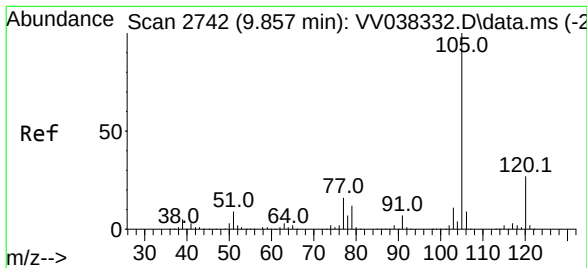
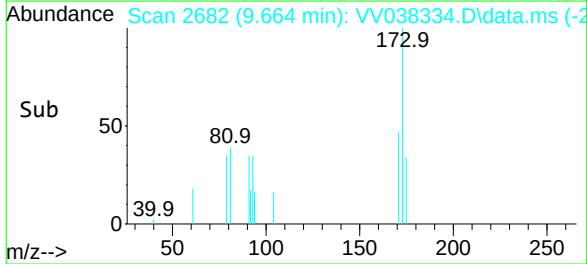
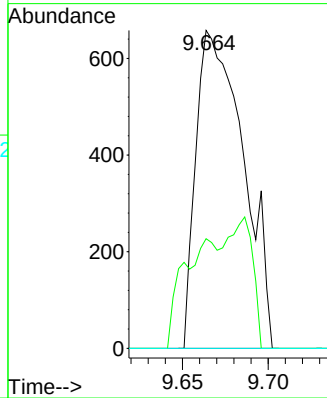
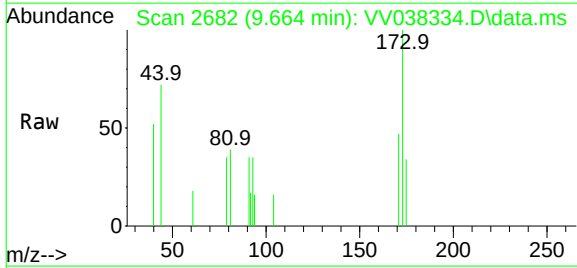
MDL-WATER-QT4-2024-08

Tgt Ion:	173	Resp:	1258
Ion Ratio	Lower	Upper	
173	100		
175	25.2	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: 0.243 ug/L

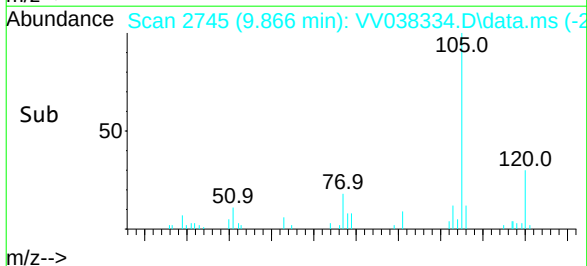
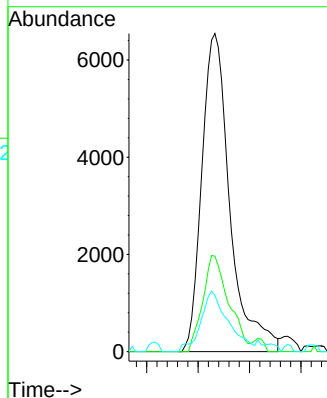
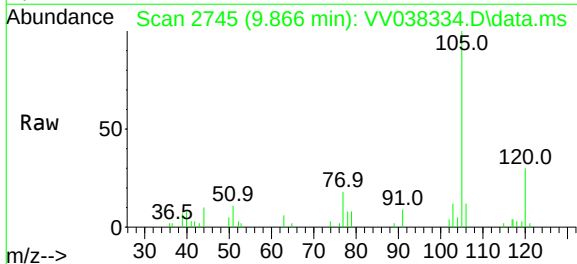
RT: 9.866 min Scan# 2745

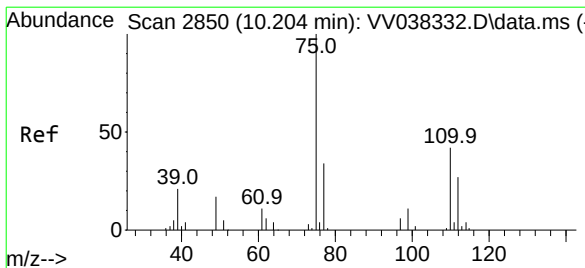
Delta R.T. 0.010 min

Lab File: VV038334.D

Acq: 25 Nov 2024 11:14

Tgt Ion:	105	Resp:	12420
Ion Ratio	Lower	Upper	
105	100		
120	27.8	20.8	31.2
77	18.6	12.2	18.2#





#61

1,2,3-Trichloropropane

Concen: 0.334 ug/L

RT: 10.210 min Scan# 2850

Delta R.T. 0.006 min

Lab File: VV038334.D

Acq: 25 Nov 2024 11:14

Instrument :

MSVOA_V

ClientSampleId :

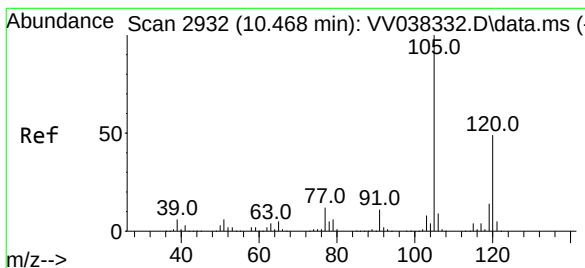
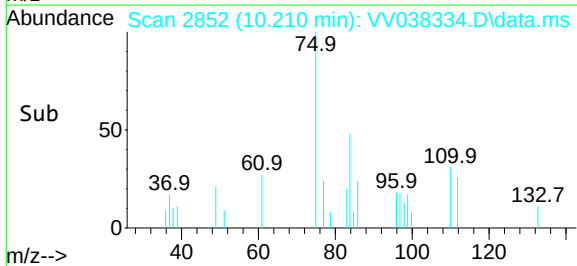
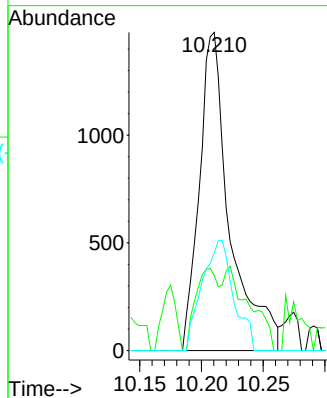
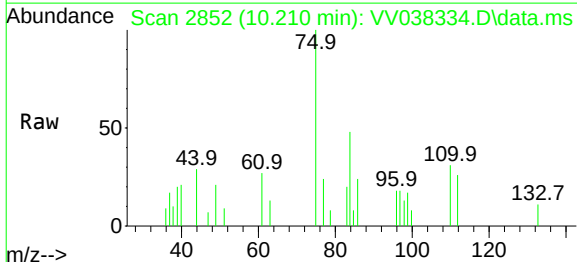
MDL-WATER-QT4-2024-08

Tgt Ion:	75	Resp:	2539
Ion Ratio	Lower	Upper	
75	100		
77	18.5	26.4	39.6
110	0.0	32.3	48.5

Manual Integrations

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#62

1,3,5-Trimethylbenzene

Concen: 0.249 ug/L

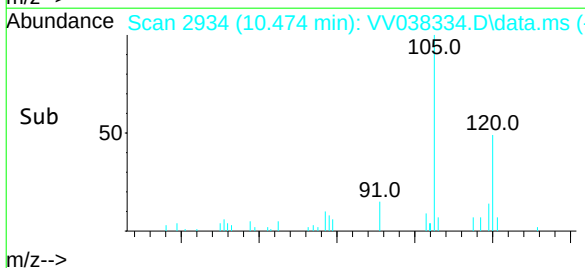
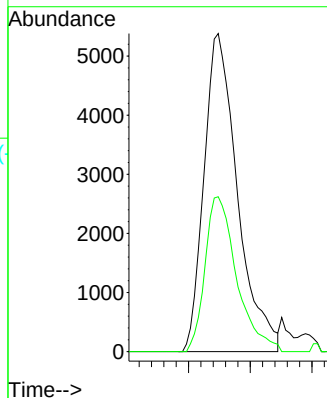
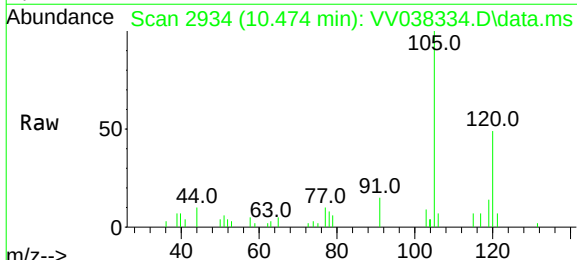
RT: 10.474 min Scan# 2934

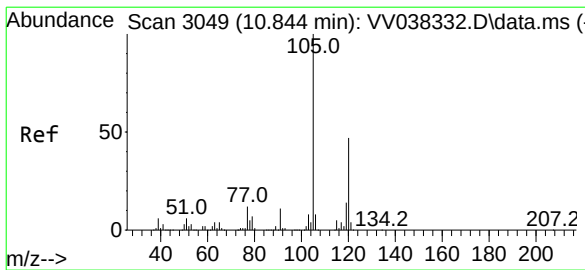
Delta R.T. 0.006 min

Lab File: VV038334.D

Acq: 25 Nov 2024 11:14

Tgt Ion:	105	Resp:	10125
Ion Ratio	Lower	Upper	
105	100		
120	46.0	39.2	58.8





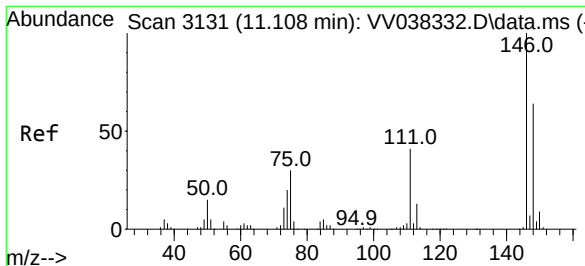
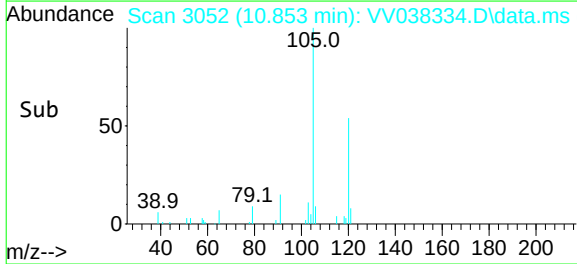
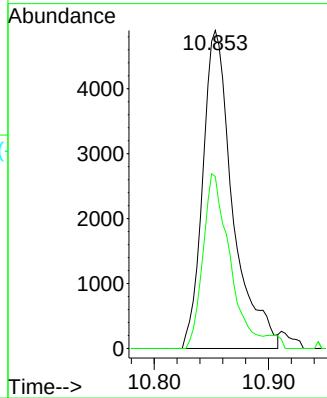
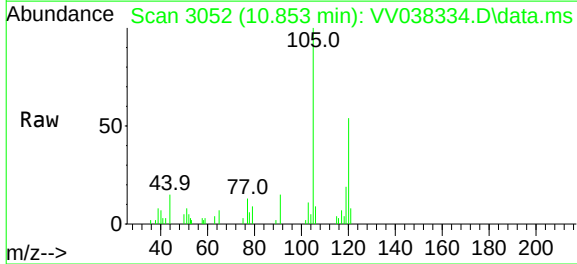
#63
1,2,4-Trimethylbenzene
Concen: 0.221 ug/L
RT: 10.853 min Scan# 3049
Delta R.T. 0.010 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

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

Tgt Ion:105 Resp: 8933
Ion Ratio Lower Upper
105 100
120 48.9 37.0 55.4

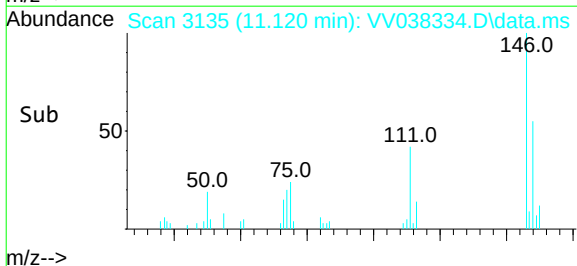
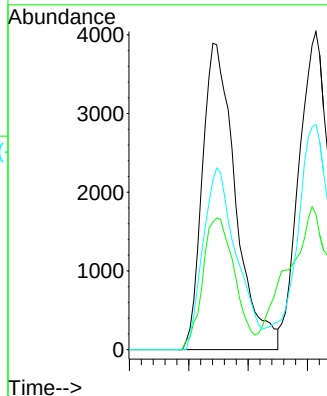
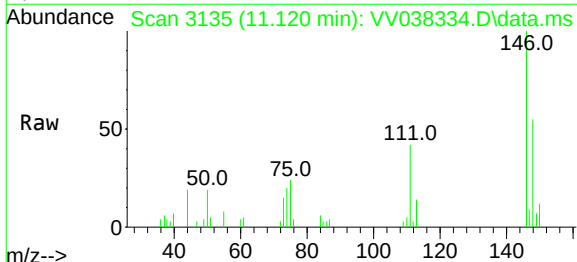
Manual Integrations
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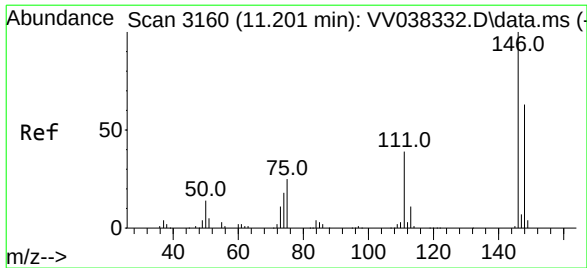
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#64
1,3-Dichlorobenzene
Concen: 0.275 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.013 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

Tgt Ion:146 Resp: 7565
Ion Ratio Lower Upper
146 100
111 41.6 28.2 52.4
148 55.2 44.2 82.2





#65

1,4-Dichlorobenzene

Concen: 0.300 ug/L

RT: 11.207 min Scan# 3160

Delta R.T. 0.006 min

Lab File: VV038334.D

Acq: 25 Nov 2024 11:14

Instrument :

MSVOA_V

ClientSampleId :

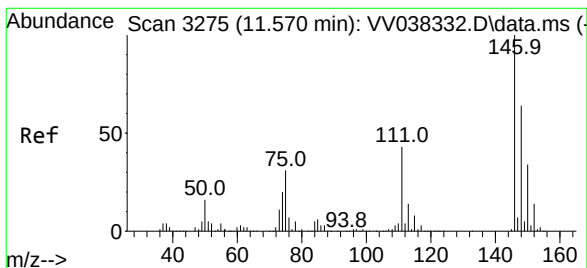
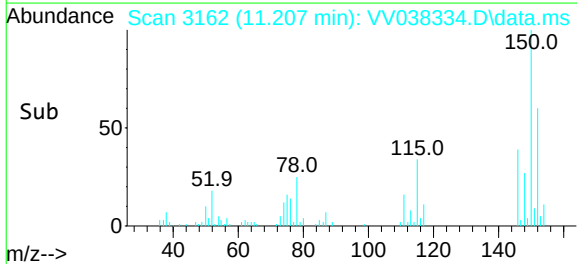
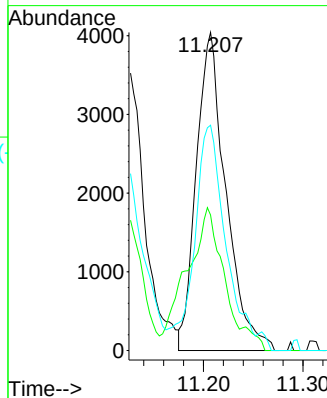
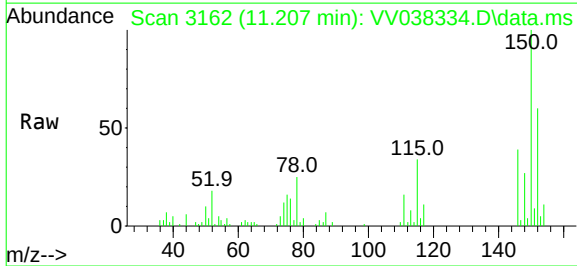
MDL-WATER-QT4-2024-08

Tgt	Ion:146	Resp:	8323
Ion	Ratio	Lower	Upper
146	100		
111	42.6	27.4	50.8
148	70.8	44.4	82.4

Manual Integrations

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



#67

1,2-Dichlorobenzene

Concen: 0.314 ug/L

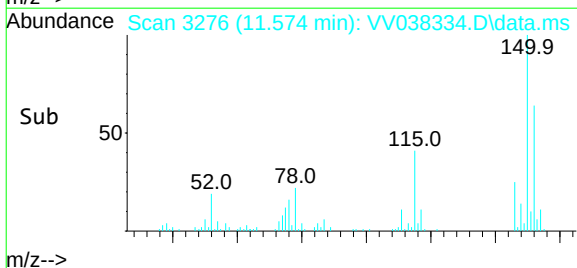
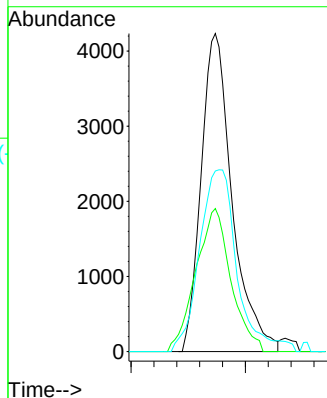
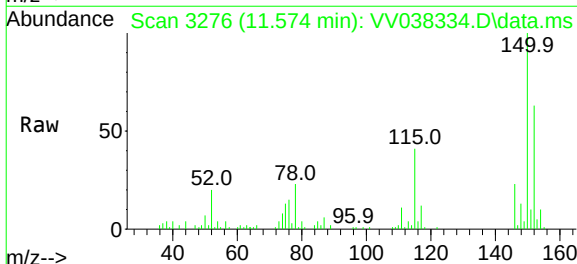
RT: 11.574 min Scan# 3276

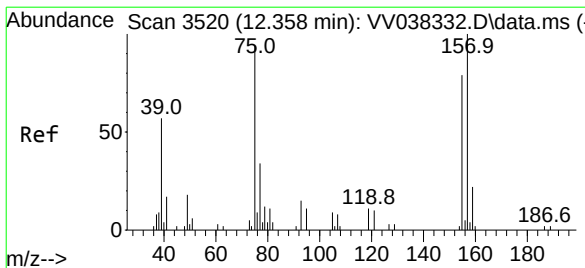
Delta R.T. 0.003 min

Lab File: VV038334.D

Acq: 25 Nov 2024 11:14

Tgt	Ion:146	Resp:	7981
Ion	Ratio	Lower	Upper
146	100		
111	45.0	34.2	51.2
148	56.8	51.0	76.4





#68

1,2-Dibromo-3-chloropropane

Concen: 0.327 ug/L m

RT: 12.371 min Scan# 35

Delta R.T. 0.013 min

Lab File: VV038334.D

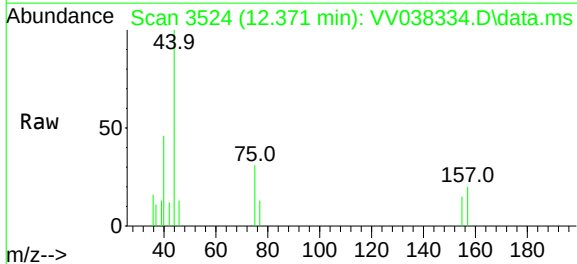
Acq: 25 Nov 2024 11:14

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2024-08



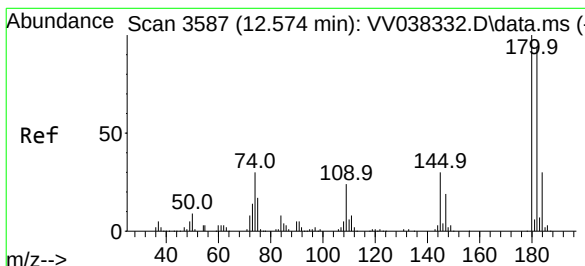
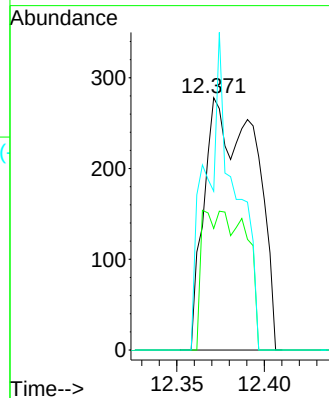
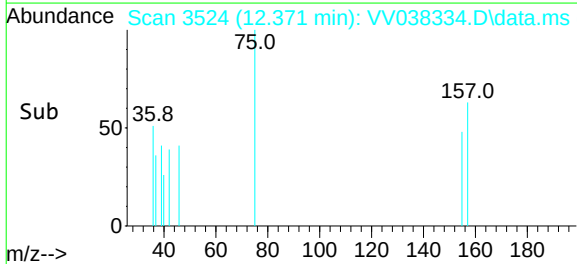
Tgt Ion:	75	Resp:	559
Ion Ratio	Lower	Upper	
75	100		
155	48.2	67.5	101.3#
157	62.9	82.7	124.1#

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/26/2024

Supervised By :Semsettin Yesilyurt 11/26/2024



#69

1,3,5-Trichlorobenzene

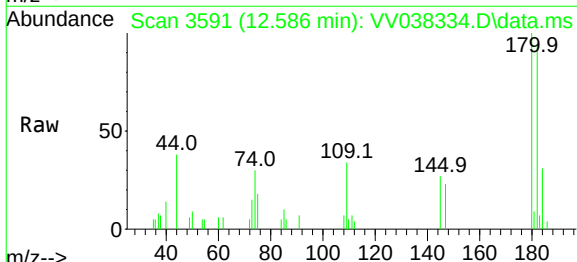
Concen: 0.256 ug/L

RT: 12.586 min Scan# 3591

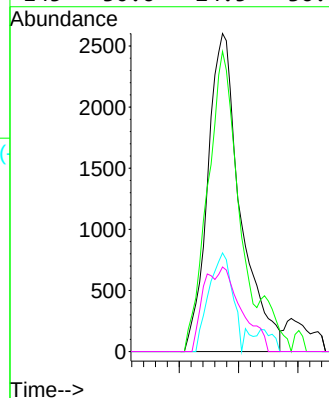
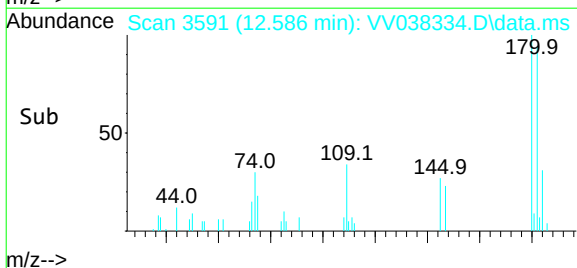
Delta R.T. 0.013 min

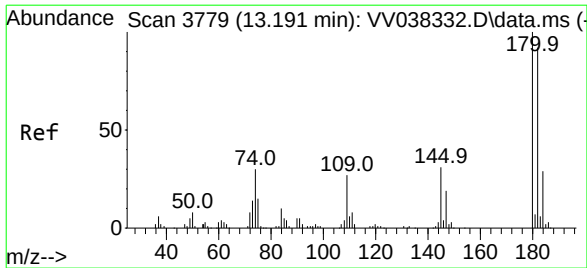
Lab File: VV038334.D

Acq: 25 Nov 2024 11:14



Tgt Ion:	180	Resp:	4980
Ion Ratio	Lower	Upper	
180	100		
182	86.6	76.0	114.0
184	22.3	23.7	35.5#
145	30.6	24.5	36.7





#70

1,2,4-trichlorobenzene

Concen: 0.240 ug/L

RT: 13.207 min Scan# 3779

Delta R.T. 0.016 min

Lab File: VV038334.D

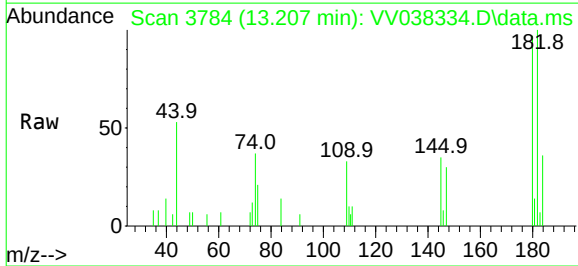
Acq: 25 Nov 2024 11:14

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2024-08

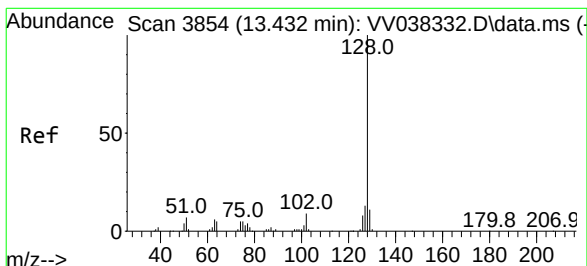
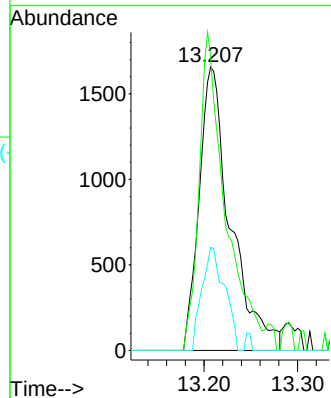
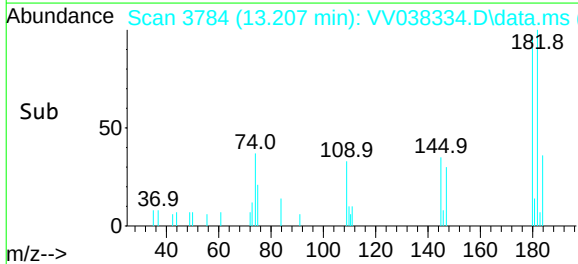


Tgt Ion:	180	Resp:	3858
Ion Ratio	Lower	Upper	
180	100		
182	93.3	73.8	110.8
145	26.3	24.6	37.0

Manual Integrations

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Supervised By :Semsettin Yesilyurt 11/26/2024



#71

Naphthalene

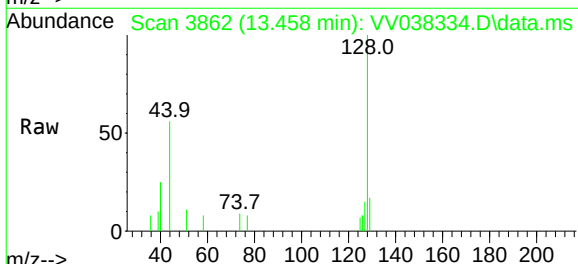
Concen: 0.188 ug/L m

RT: 13.458 min Scan# 3862

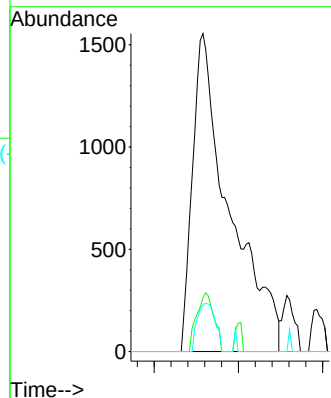
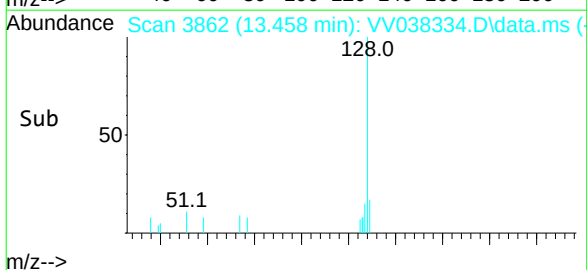
Delta R.T. 0.026 min

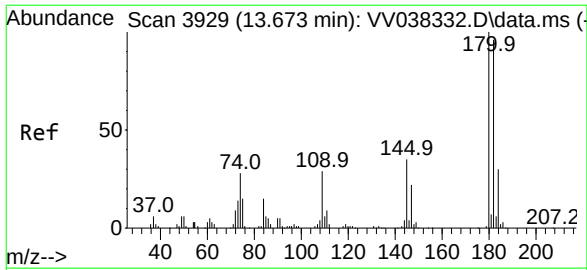
Lab File: VV038334.D

Acq: 25 Nov 2024 11:14



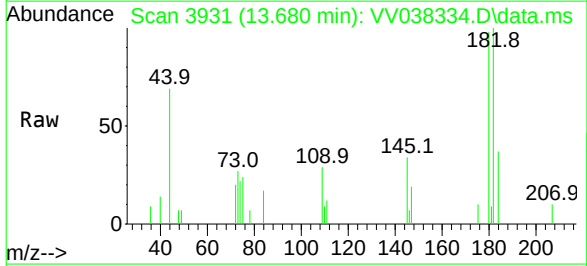
Tgt Ion:	128	Resp:	4708
Ion Ratio	Lower	Upper	
128	100		
129	8.7	8.5	12.7
127	7.4	10.1	15.1#





#72
1,2,3-Trichlorobenzene
Concen: 0.193 ug/L
RT: 13.680 min Scan# 3929
Delta R.T. 0.006 min
Lab File: VV038334.D
Acq: 25 Nov 2024 11:14

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



Tgt	Ion	Ratio	Lower	Upper
180	180	100		
182	109.3	75.1	112.7	
145	15.0	27.0	40.4	

Manual Integrations
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