

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112024\
 Data File : VX043910.D
 Acq On : 20 Nov 2024 12:11
 Operator : JC/MD
 Sample : P4776-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Nov 21 00:57:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML111924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 21 00:38:46 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/21/2024
 Supervised By : Semsettin Yesilyurt 11/25/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	323521	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	283061	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	108061	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	111275	43.112	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.220%
7) Chloroethane-d5	1.648	69	56279	51.705	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.420%
11) 1,1-Dichloroethene-d2	2.294	65	45891	44.239	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.480%
21) 2-Butanone-d5	4.458	46	152050	98.031	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.030%
24) Chloroform-d	5.050	84	210813	44.078	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.160%
26) 1,2-Dichloroethane-d4	5.946	65	141919	44.699	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.400%
32) Benzene-d6	5.964	84	424791	45.507	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.020%
36) 1,2-Dichloropropane-d6	7.299	67	133851	47.445	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.880%
41) Toluene-d8	8.647	98	381368	46.574	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.140%
43) trans-1,3-Dichloroprop...	8.952	79	58608	45.906	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.820%
47) 2-Hexanone-d5	9.384	63	104540	99.248	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.250%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	159453	44.826	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.660%
66) 1,2-Dichlorobenzene-d4	12.317	152	107391	46.819	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	6328	2.384	ug/L	97
3) Chloromethane	1.294	50	6653	2.451	ug/L #	81
5) Vinyl chloride	1.374	62	6963	2.523	ug/L #	77
6) Bromomethane	1.593	94	2596	2.259	ug/L	97
8) Chloroethane	1.666	64	3355	2.731	ug/L	94
9) Trichlorofluoromethane	1.867	101	8768	2.374	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.313	101	6756	3.069	ug/L #	83
12) 1,1-Dichloroethene	2.306	96	6029	3.008	ug/L #	1
13) Acetone	2.386	43	7696	5.644	ug/L	99
14) Carbon disulfide	2.495	76	8312	1.951	ug/L	96
15) Methyl Acetate	2.697	43	6122	2.400	ug/L	93
16) Methylene chloride	2.782	84	5857	2.492	ug/L	89
17) trans-1,2-Dichloroethene	3.081	96	4759	2.217	ug/L	95
18) Methyl tert-butyl Ether	3.111	73	18750	2.360	ug/L	99
19) 1,1-Dichloroethane	3.605	63	9771	2.285	ug/L #	94
20) cis-1,2-Dichloroethene	4.483	96	6199	2.375	ug/L	91
22) 2-Butanone	4.580	43	9146m	5.033	ug/L	
23) Bromochloromethane	4.904	128	3124	2.326	ug/L	89
27) 1,2-Dichloroethane	6.080	62	8521	2.313	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.464	56	8606m	2.337	ug/L	
30) 1,1,1-Trichloroethane	5.373	97	8853	2.267	ug/L #	80
31) Carbon tetrachloride	5.659	117	7121	2.248	ug/L	92
33) Benzene	6.037	78	23632	2.497	ug/L	100
35) Methylcyclohexane	7.373	83	9525	2.683	ug/L	92
37) 1,2-Dichloropropane	7.427	63	6203	2.526	ug/L	98
38) Bromodichloromethane	7.824	83	6554	2.128	ug/L	97
39) cis-1,3-Dichloropropene	8.366	75	8406	2.172	ug/L	94
40) 4-Methyl-2-pentanone	8.574	43	14097	4.193	ug/L	98
42) Toluene	8.714	91	23128	2.425	ug/L	97
44) trans-1,3-Dichloropropene	8.976	75	8301	2.386	ug/L	95
45) 1,1,2-Trichloroethane	9.147	97	5863	2.428	ug/L	84
46) Tetrachloroethene	9.269	164	4316	2.551	ug/L	88
48) 2-Hexanone	9.433	43	14317m	5.641	ug/L	
49) Dibromochloromethane	9.519	129	4690	2.101	ug/L	92
50) 1,2-Dibromoethane	9.604	107	6266	2.463	ug/L #	80
51) Chlorobenzene	10.079	112	15080	2.550	ug/L	93
52) Ethylbenzene	10.195	91	23760	2.364	ug/L	99
53) m,p-Xylene	10.305	106	9358	2.507	ug/L	93
54) o-Xylene	10.640	106	8132	2.164	ug/L	99
55) Styrene	10.659	104	11890	1.911	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.207	83	9055	2.505	ug/L	99
59) Bromoform	10.799	173	2241	1.851	ug/L #	91
60) Isopropylbenzene	10.963	105	19922	2.339	ug/L	97
61) 1,2,3-Trichloropropane	11.238	75	6176	2.508	ug/L	96
62) 1,3,5-Trimethylbenzene	11.451	105	16262	2.417	ug/L	97
63) 1,2,4-Trimethylbenzene	11.750	105	15728	2.345	ug/L	92
64) 1,3-Dichlorobenzene	11.969	146	9098	2.546	ug/L	95
65) 1,4-Dichlorobenzene	12.036	146	10104	2.848	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	8549	2.311	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.939	75	1203	1.952	ug/L #	80
69) 1,3,5-Trichlorobenzene	13.109	180	5082	2.204	ug/L	93
70) 1,2,4-trichlorobenzene	13.591	180	4269	2.008	ug/L #	93
71) Naphthalene	13.780	128	14515	1.836	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	5549	2.591	ug/L	97

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

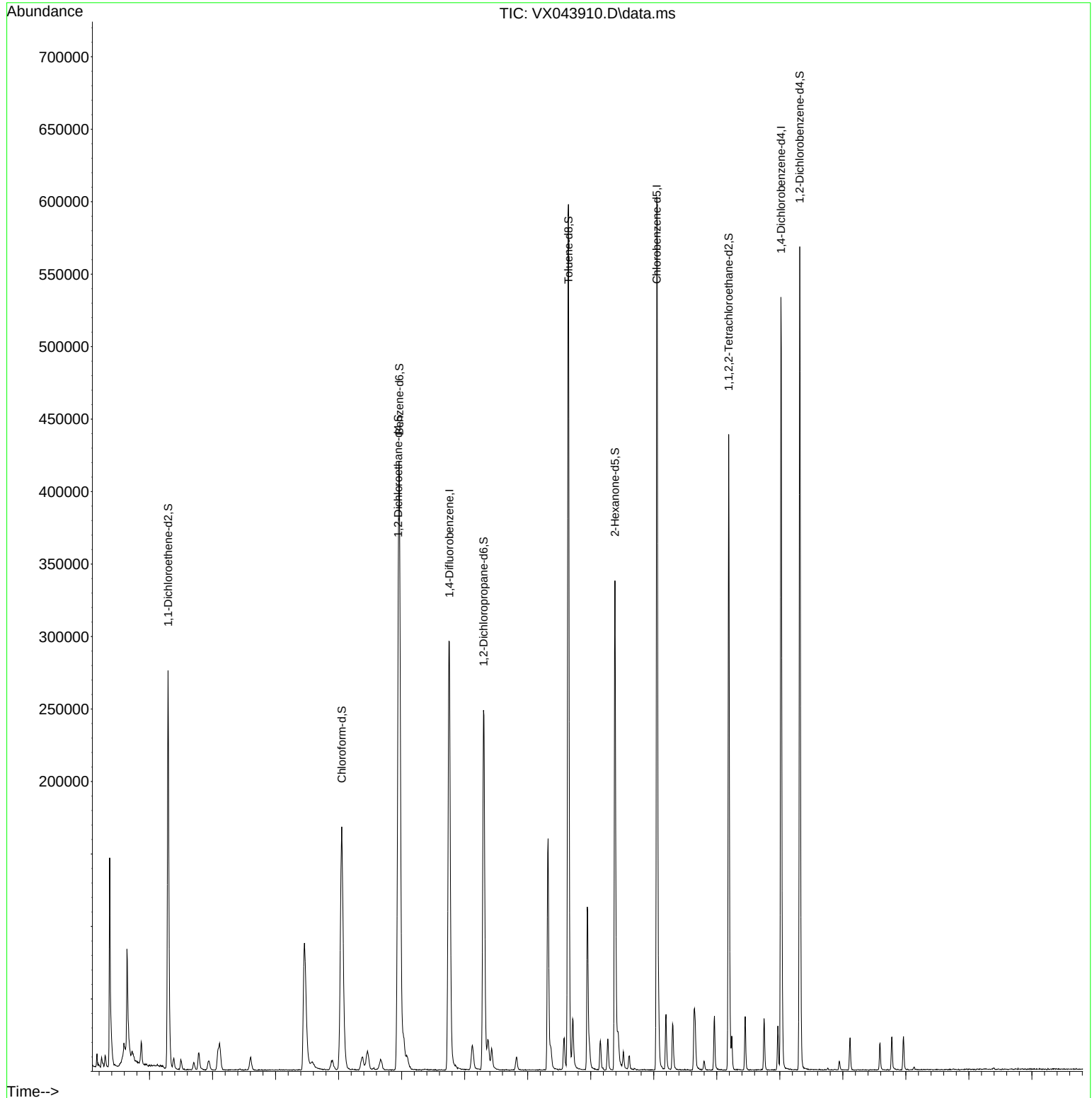
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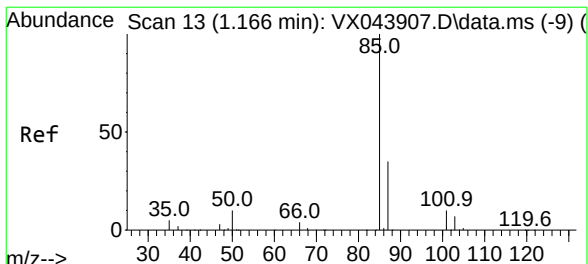
Instrument :
MSVOA_X
ClientSampleId :
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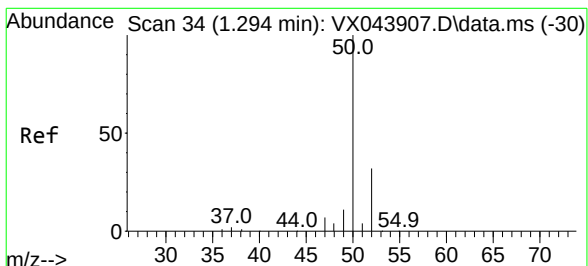
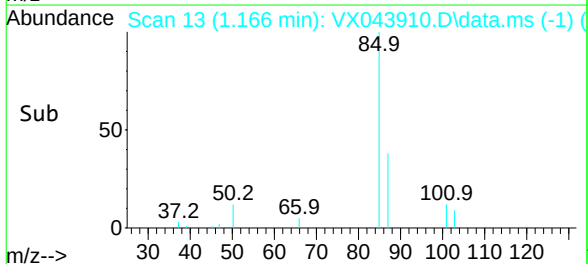
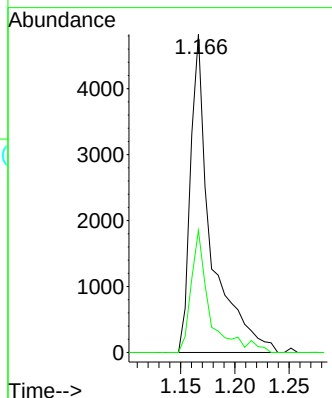
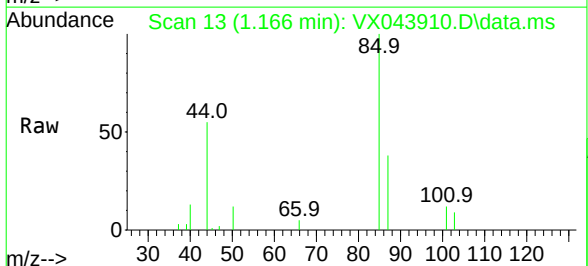
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Dichlorodifluoromethane
Concen: 2.384 ug/L
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

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

Tgt Ion: 85 Resp: 6328
Ion Ratio Lower Upper
85 100
87 31.1 26.1 39.1

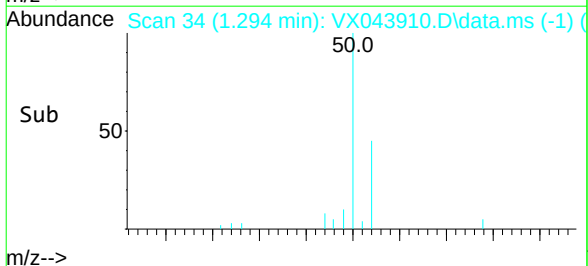
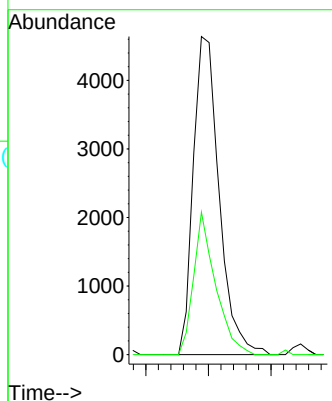
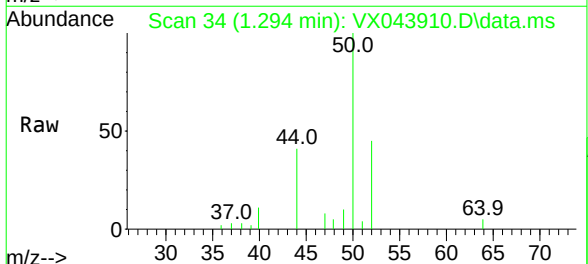
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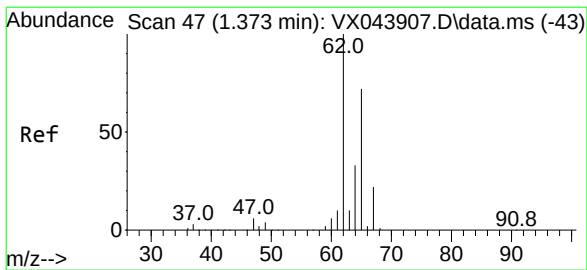
Reviewed By :John Carlone 11/21/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#3
Chloromethane
Concen: 2.451 ug/L
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

Tgt Ion: 50 Resp: 6653
Ion Ratio Lower Upper
50 100
52 44.8 23.9 44.3#





#5

Vinyl chloride

Concen: 2.523 ug/L

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX043910.D

Acq: 20 Nov 2024 12:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT4-2024-08

Tgt Ion: 62 Resp: 6963

Ion Ratio Lower Upper

62 100

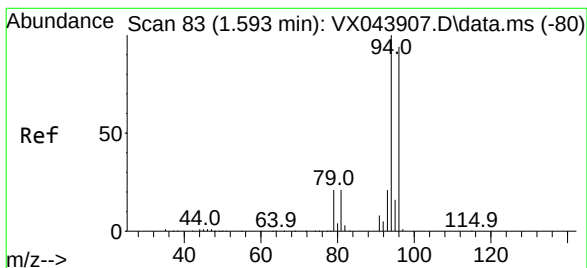
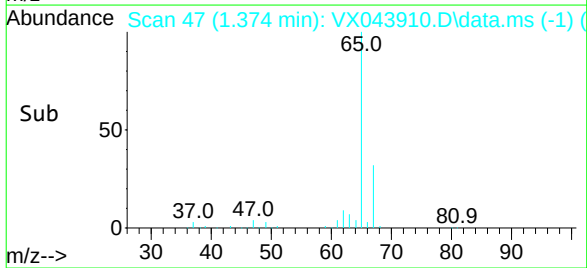
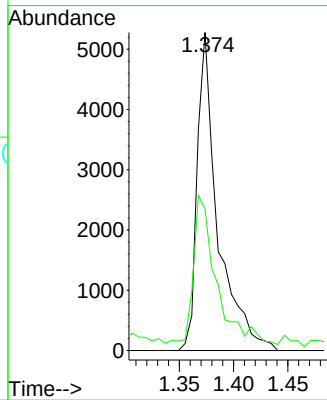
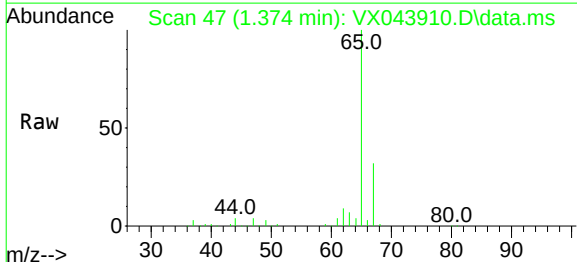
64 44.5 22.2 41.2#

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#6

Bromomethane

Concen: 2.259 ug/L

RT: 1.593 min Scan# 83

Delta R.T. 0.000 min

Lab File: VX043910.D

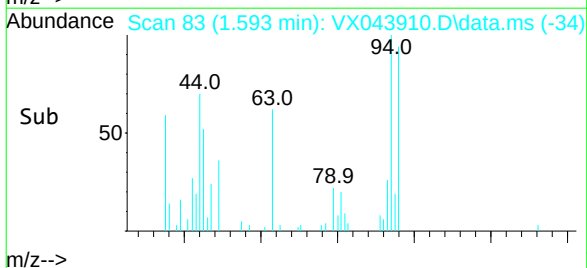
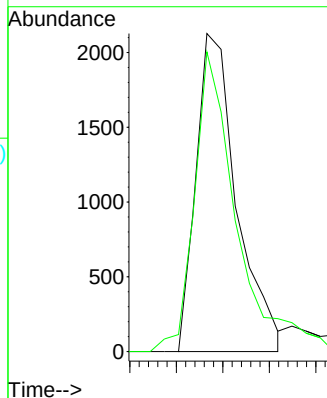
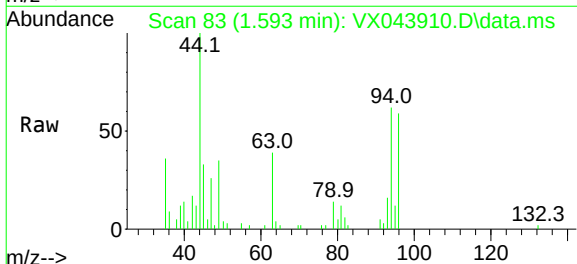
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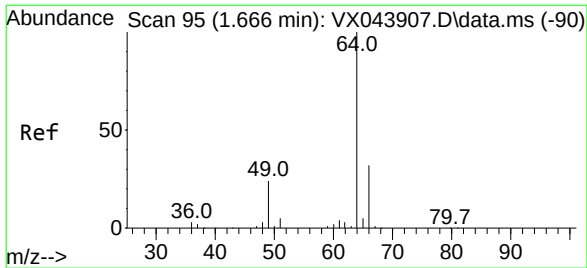
Tgt Ion: 94 Resp: 2596

Ion Ratio Lower Upper

94 100

96 94.2 64.2 119.2





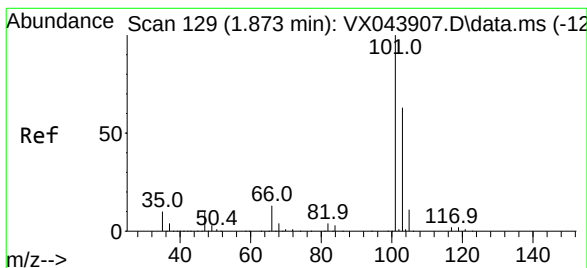
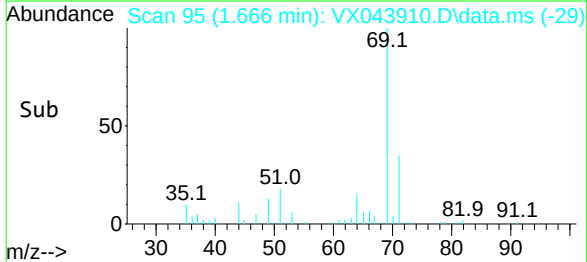
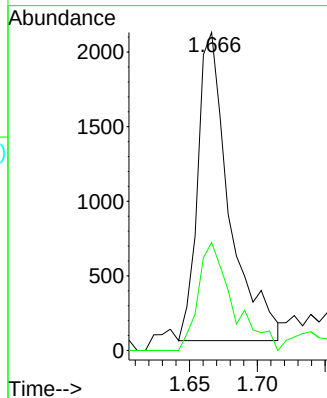
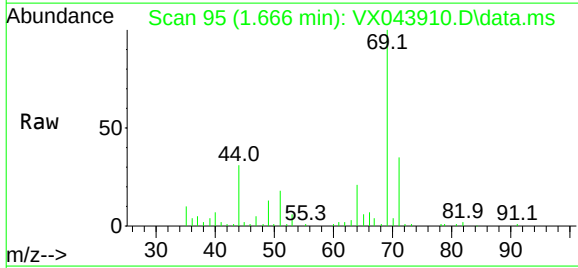
#8
Chloroethane
Concen: 2.731 ug/L
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX043910.D
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ClientSampleId : MDL-WATER-QT4-2024-08

Tgt Ion: 64 Resp: 3355
Ion Ratio Lower Upper
64 100
66 34.0 21.5 39.9

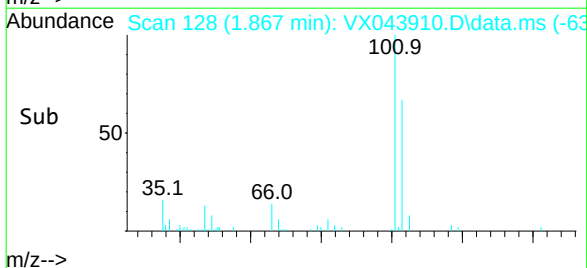
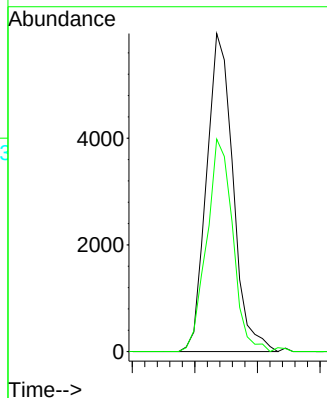
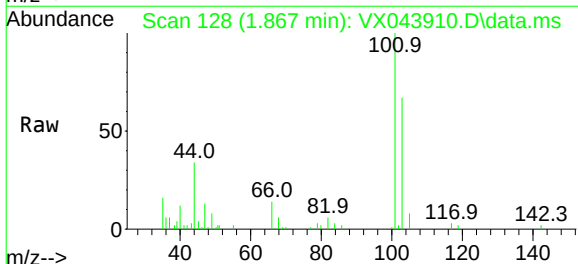
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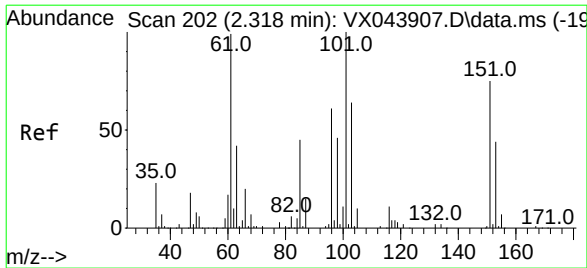
Reviewed By :John Carlone 11/21/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#9
Trichlorofluoromethane
Concen: 2.374 ug/L
RT: 1.867 min Scan# 128
Delta R.T. -0.006 min
Lab File: VX043910.D
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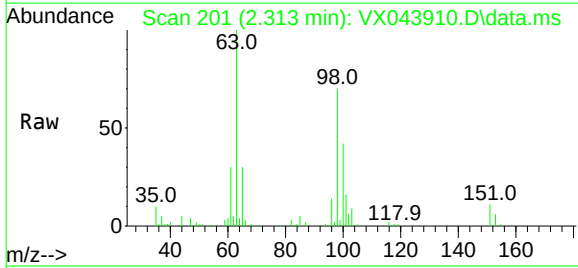
Tgt Ion:101 Resp: 8768
Ion Ratio Lower Upper
101 100
103 65.6 50.8 76.2





#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.069 ug/L
 RT: 2.313 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VX043910.D
 Acq: 20 Nov 2024 12:11

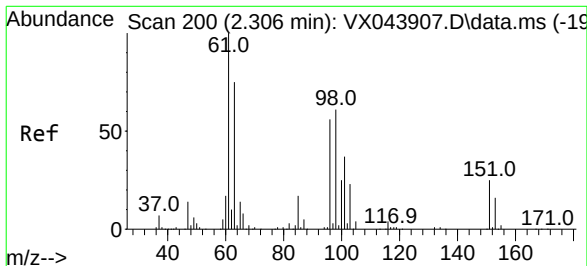
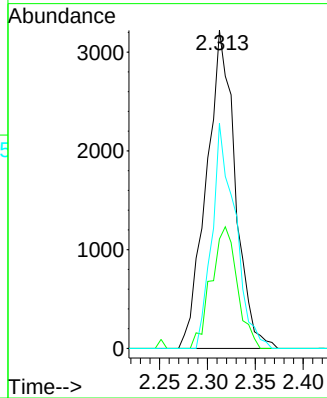
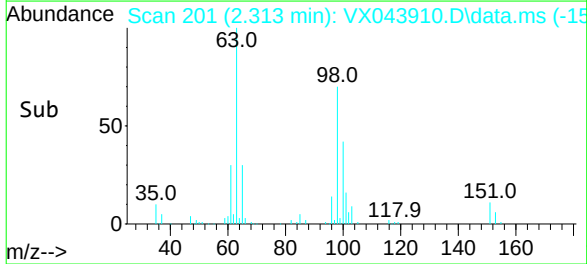
Instrument :
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Tgt Ion: 101 Resp: 6756
 Ion Ratio Lower Upper
 101 100
 85 34.5 33.9 50.9
 151 56.9 58.5 87.7#

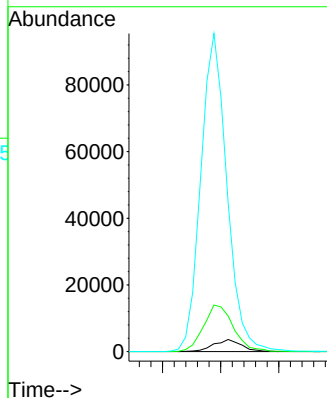
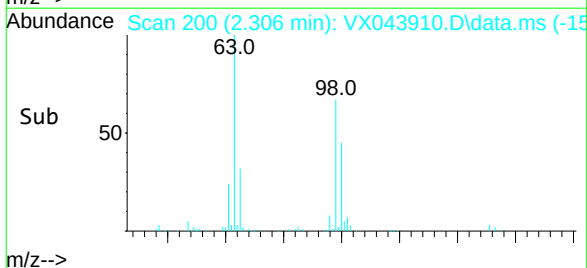
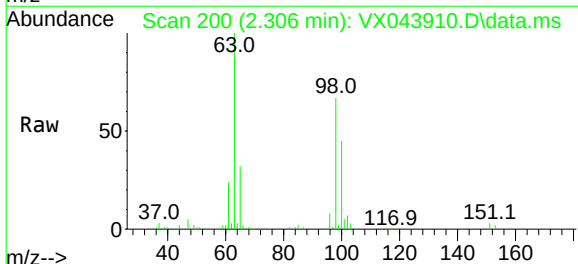
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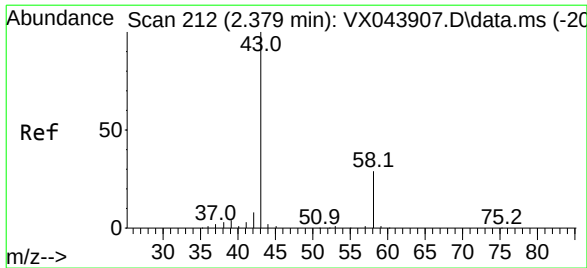
Reviewed By :John Carlone 11/21/2024
 Supervised By :Semsettin Yesilyurt 11/25/2024



#12
 1,1-Dichloroethene
 Concen: 3.008 ug/L
 RT: 2.306 min Scan# 200
 Delta R.T. 0.000 min
 Lab File: VX043910.D
 Acq: 20 Nov 2024 12:11

Tgt Ion: 96 Resp: 6029
 Ion Ratio Lower Upper
 96 100
 61 293.3 109.3 203.1#
 63 1223.5 65.7 122.1#





#13

Acetone

Concen: 5.644 ug/L

RT: 2.386 min Scan# 211

Delta R.T. 0.006 min

Lab File: VX043910.D

Acq: 20 Nov 2024 12:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT4-2024-08

Tgt Ion: 43 Resp: 7696

Ion Ratio Lower Upper

43 100

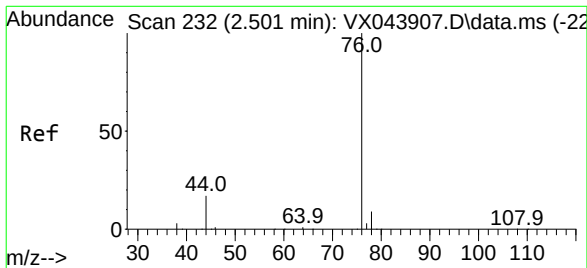
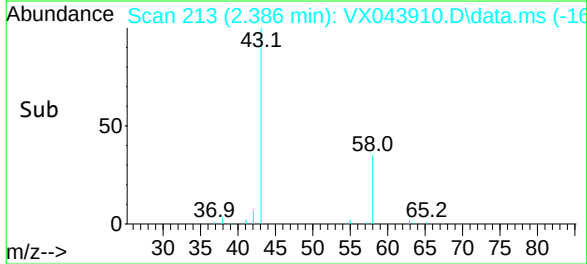
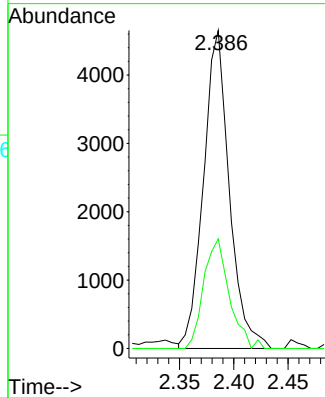
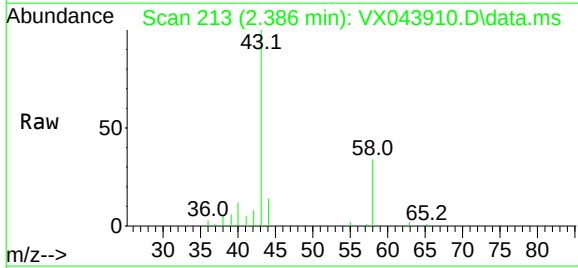
58 33.6 0.0 66.0

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#14

Carbon disulfide

Concen: 1.951 ug/L

RT: 2.495 min Scan# 231

Delta R.T. -0.006 min

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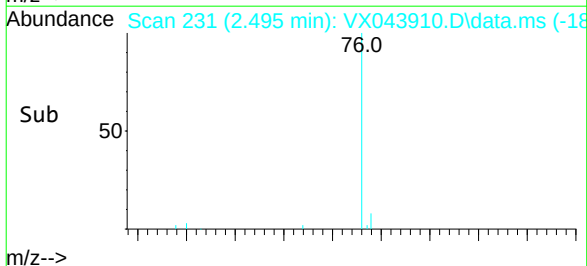
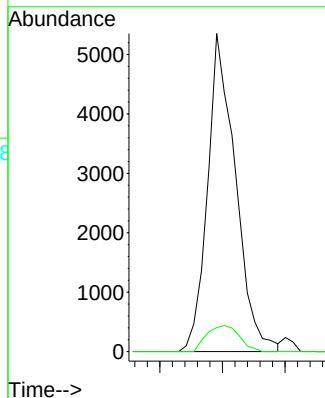
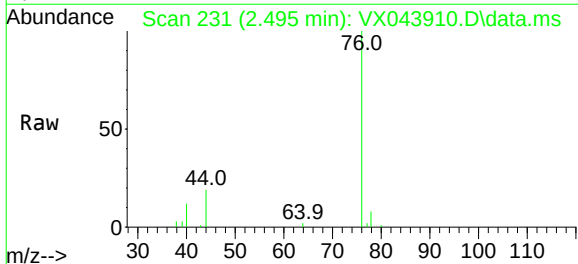
Acq: 20 Nov 2024 12:11

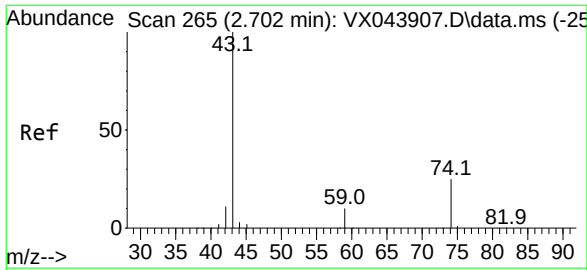
Tgt Ion: 76 Resp: 8312

Ion Ratio Lower Upper

76 100

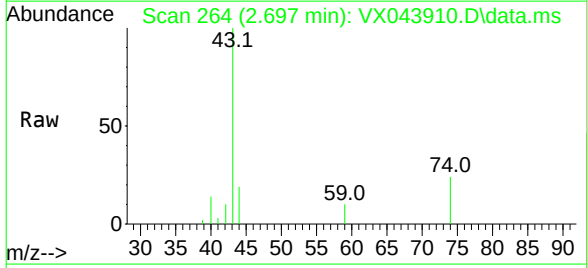
78 7.5 7.2 10.8





#15
Methyl Acetate
Concen: 2.400 ug/L
RT: 2.697 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

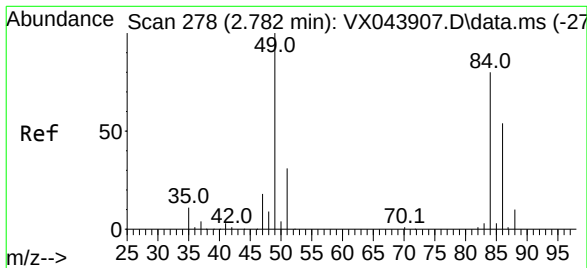
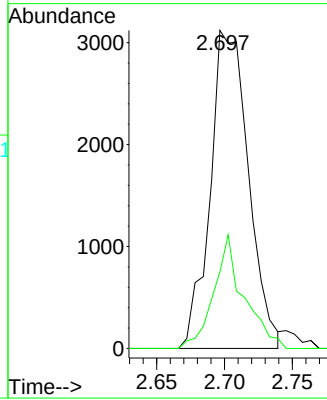
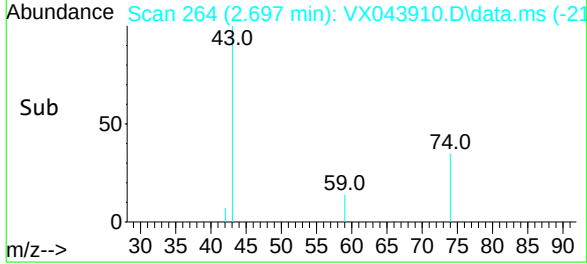
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT4-2024-08



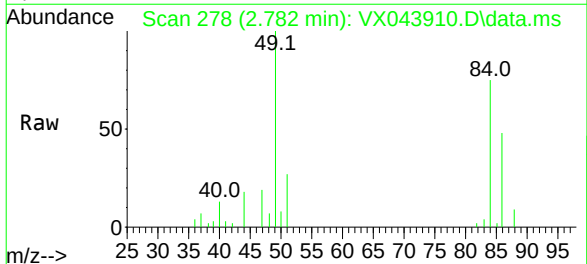
Tgt Ion: 43 Resp: 6122
Ion Ratio Lower Upper
43 100
74 27.9 19.4 29.2

Manual Integrations
APPROVED

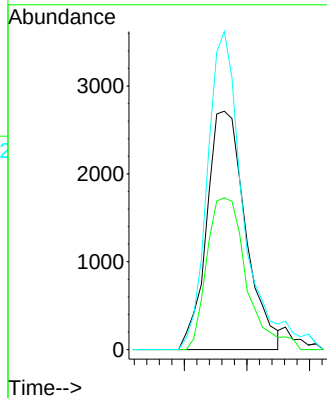
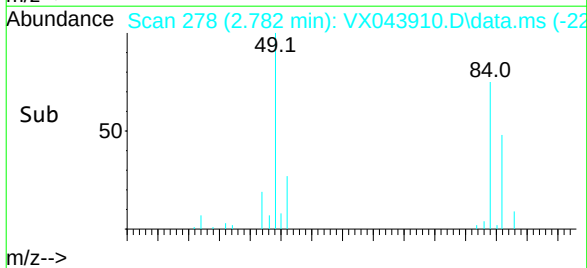
Reviewed By :John Carlone 11/21/2024
Supervised By :Semsettin Yesilyurt 11/25/2024

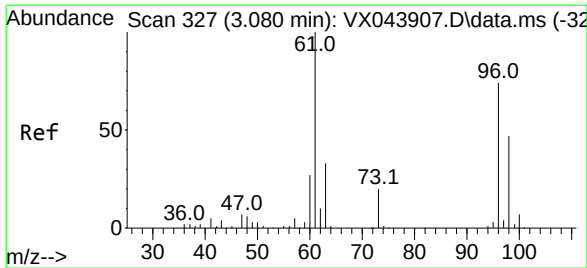


#16
Methylene chloride
Concen: 2.492 ug/L
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11



Tgt Ion: 84 Resp: 5857
Ion Ratio Lower Upper
84 100
86 63.6 46.0 85.4
49 133.4 80.8 150.2





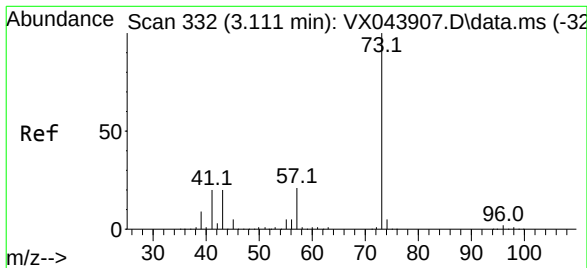
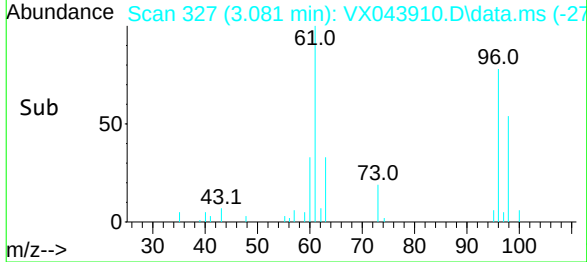
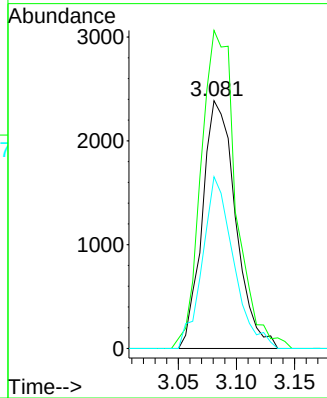
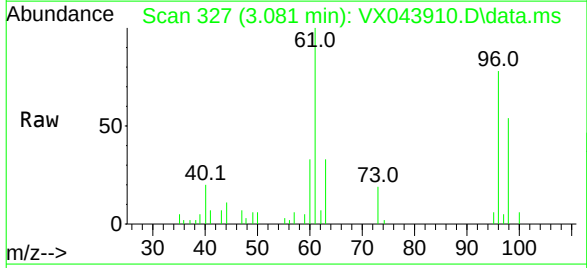
#17
trans-1,2-Dichloroethene
Concen: 2.217 ug/L
RT: 3.081 min Scan# 327
Delta R.T. 0.000 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

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

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.4	95.7	177.7
98	69.3	47.2	87.6

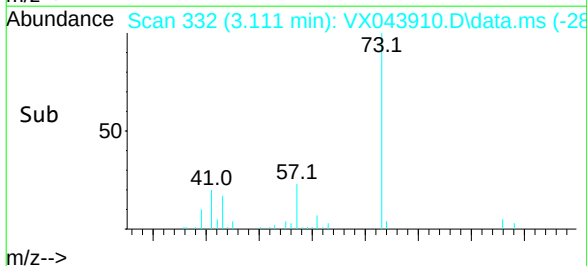
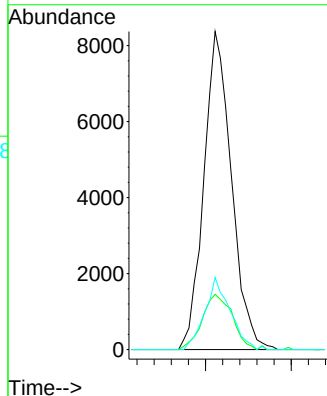
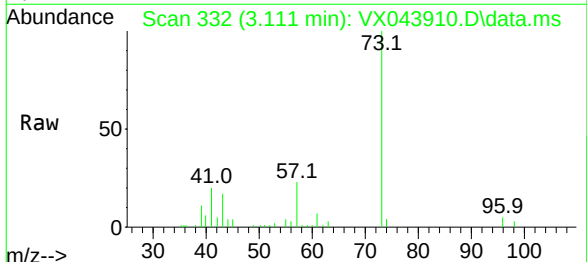
Manual Integrations
APPROVED

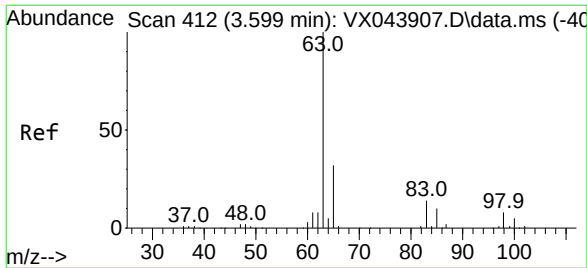
Reviewed By :John Carlone 11/21/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#18
Methyl tert-butyl Ether
Concen: 2.360 ug/L
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.9	15.2	22.8
57	20.6	17.0	25.6





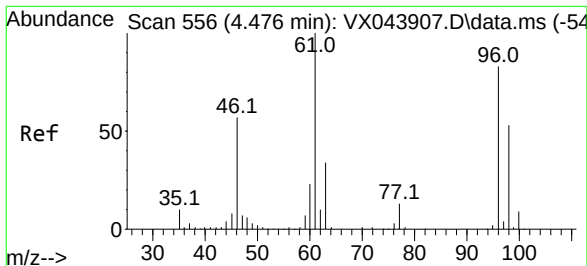
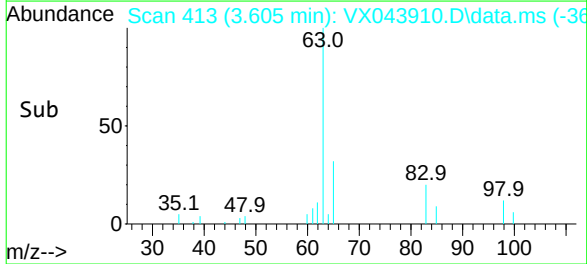
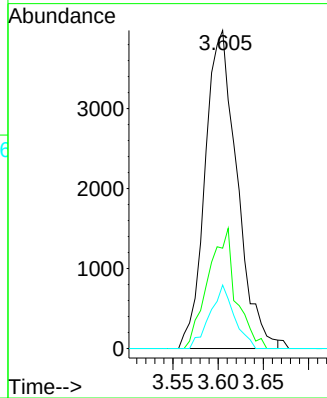
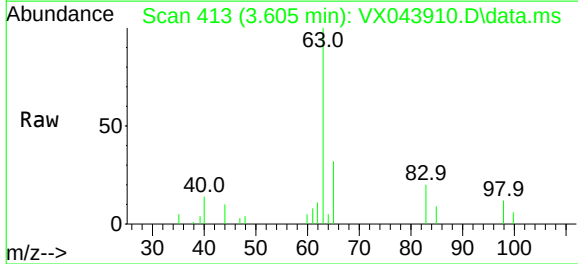
#19
1,1-Dichloroethane
Concen: 2.285 ug/L
RT: 3.605 min Scan# 412
Delta R.T. 0.006 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

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

Tgt Ion: 63	Resp: 9771
Ion Ratio	Lower Upper
63 100	
65 31.5	23.2 43.2
83 19.9	10.0 18.6

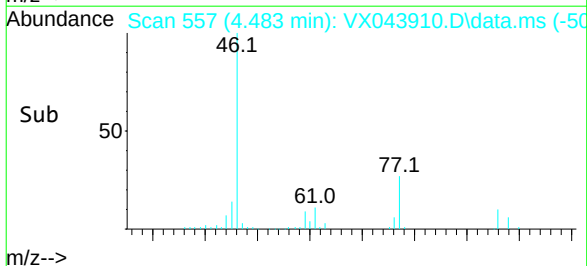
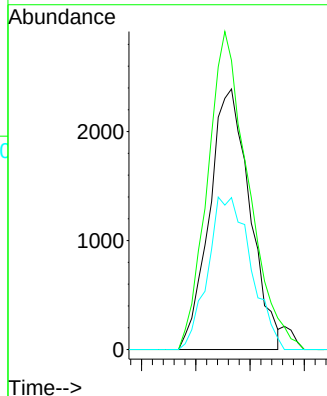
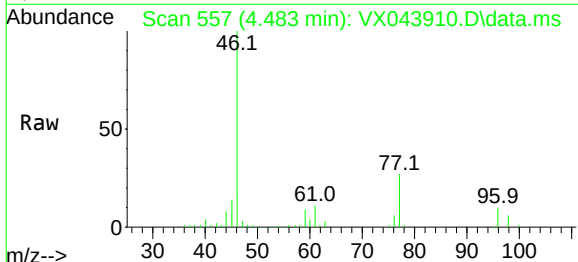
Manual Integrations
APPROVED

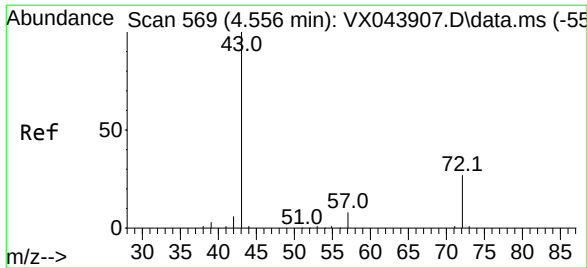
Reviewed By :John Carlone 11/21/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#20
cis-1,2-Dichloroethene
Concen: 2.375 ug/L
RT: 4.483 min Scan# 557
Delta R.T. 0.006 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

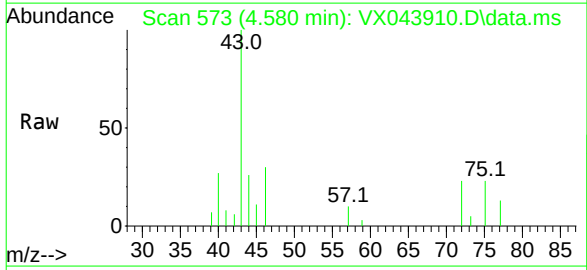
Tgt Ion: 96	Resp: 6199
Ion Ratio	Lower Upper
96 100	
61 111.0	85.0 158.0
98 58.3	44.6 82.8





#22
2-Butanone
Concen: 5.033 ug/L m
RT: 4.580 min Scan# 57
Delta R.T. 0.025 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

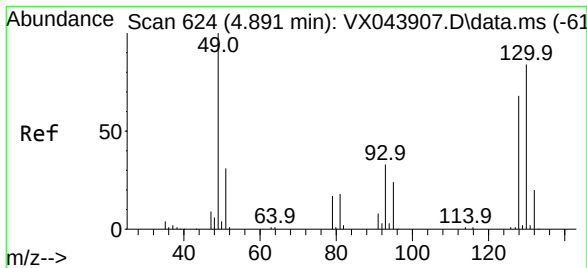
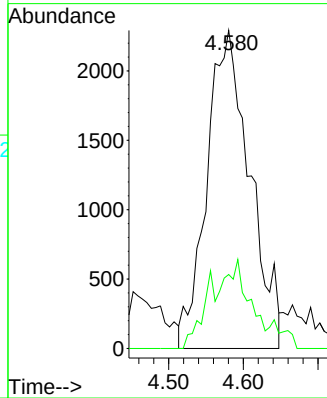
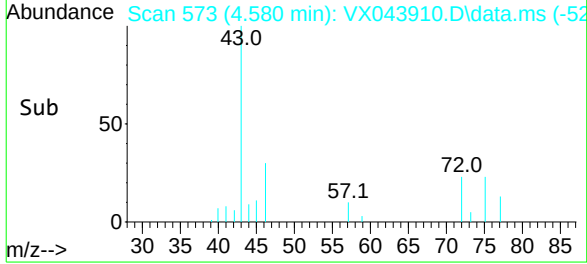
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT4-2024-08



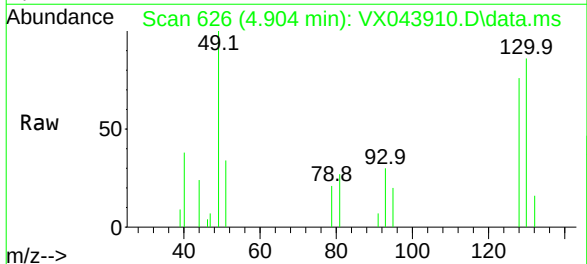
Tgt Ion: 43 Resp: 9146
Ion Ratio Lower Upper
43 100
72 7.4 13.1 39.3#

Manual Integrations
APPROVED

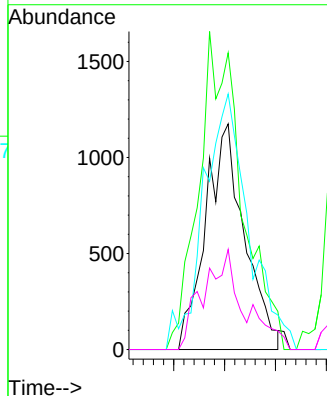
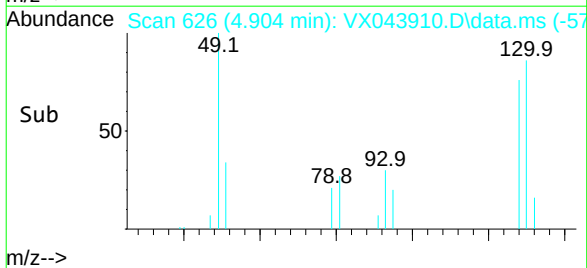
Reviewed By :John Carlone 11/21/2024
Supervised By :Semsettin Yesilyurt 11/25/2024

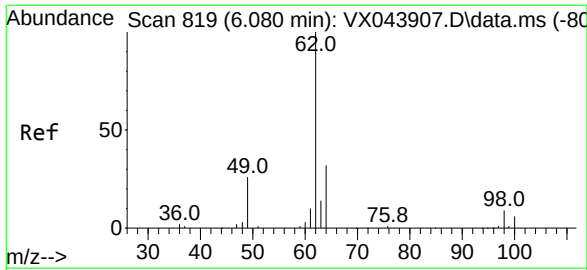


#23
Bromochloromethane
Concen: 2.326 ug/L
RT: 4.904 min Scan# 626
Delta R.T. 0.013 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11



Tgt Ion:128 Resp: 3124
Ion Ratio Lower Upper
128 100
49 131.5 103.7 192.5
130 113.3 89.1 165.5
51 44.3 36.6 55.0





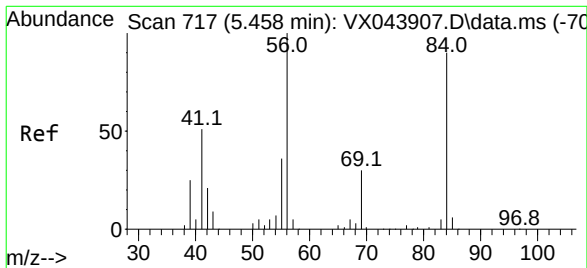
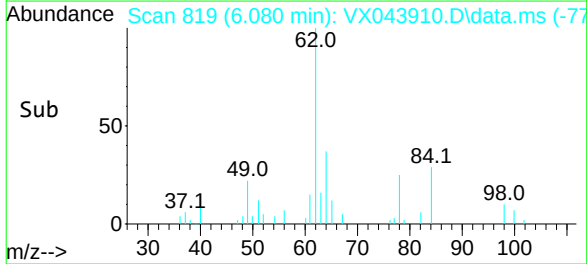
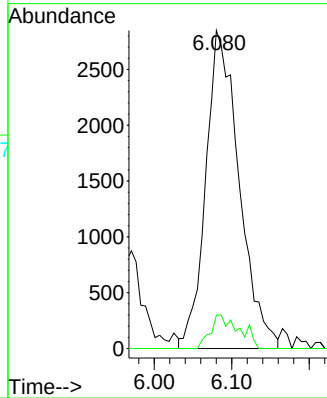
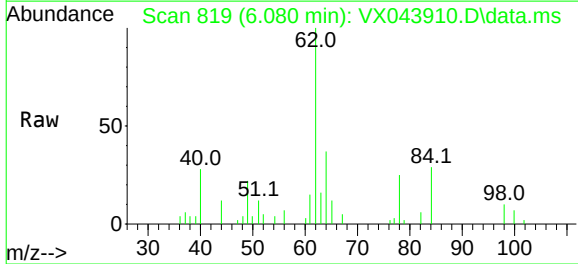
#27
1,2-Dichloroethane
Concen: 2.313 ug/L
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

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

Tgt Ion: 62 Resp: 8521
Ion Ratio Lower Upper
62 100
98 10.5 7.7 11.5

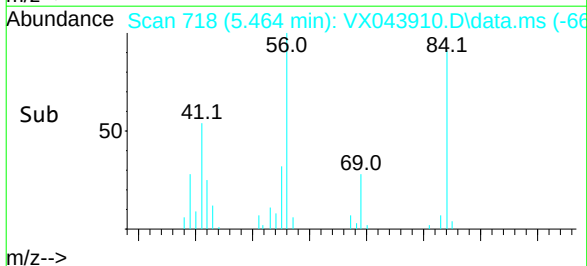
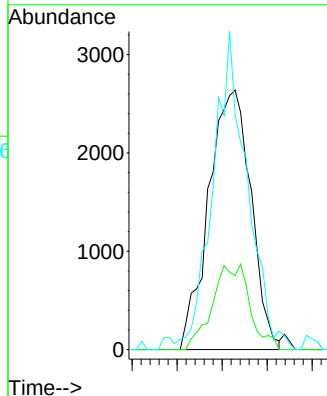
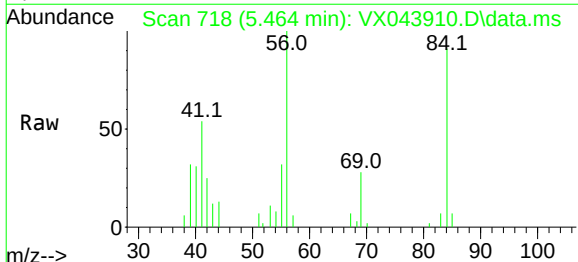
Manual Integrations
APPROVED

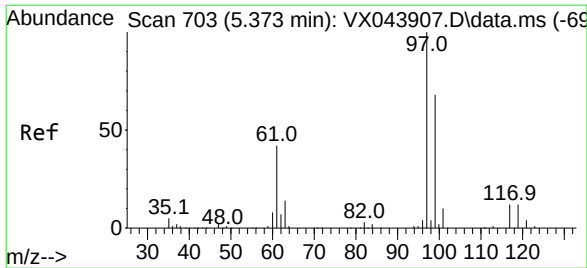
Reviewed By :John Carlone 11/21/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#29
Cyclohexane
Concen: 2.337 ug/L m
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

Tgt Ion: 56 Resp: 8606
Ion Ratio Lower Upper
56 100
69 18.6 25.1 37.7#
84 97.2 72.9 109.3





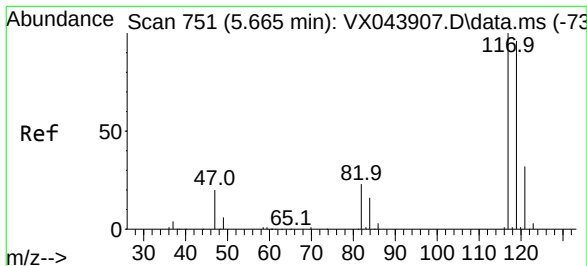
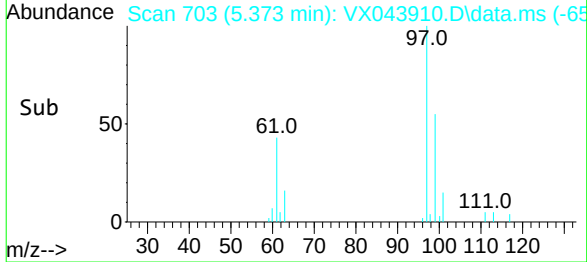
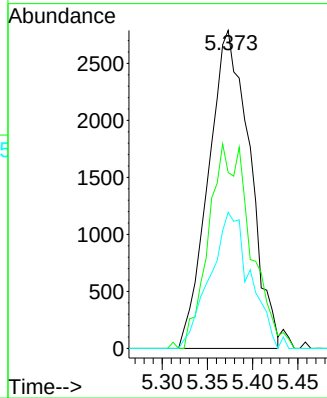
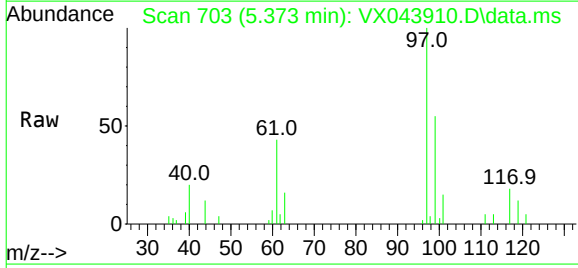
#30
1,1,1-Trichloroethane
Concen: 2.267 ug/L
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

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

Tgt Ion: 97	Resp: 8853
Ion Ratio	Lower Upper
97 100	
99 39.3	52.2 78.2
61 41.4	32.8 49.2

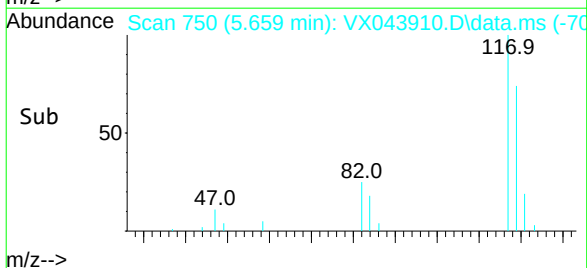
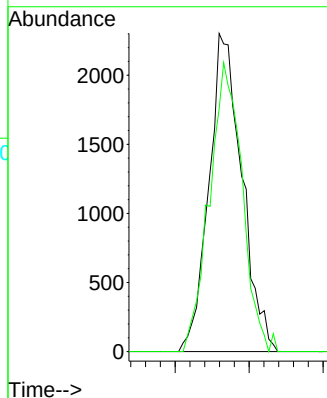
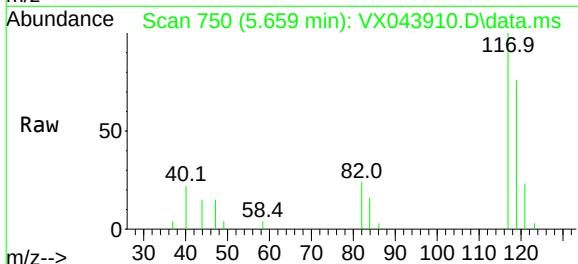
Manual Integrations
APPROVED

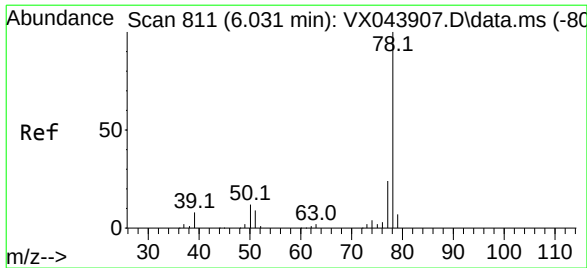
Reviewed By :John Carlone 11/21/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#31
Carbon tetrachloride
Concen: 2.248 ug/L
RT: 5.659 min Scan# 750
Delta R.T. -0.006 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

Tgt Ion: 117	Resp: 7121
Ion Ratio	Lower Upper
117 100	
119 89.4	77.7 116.5





#33

Benzene

Concen: 2.497 ug/L

RT: 6.037 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX043910.D

Acq: 20 Nov 2024 12:11

Tgt Ion: 78 Resp: 23632

Instrument :

MSVOA_X

ClientSampleId :

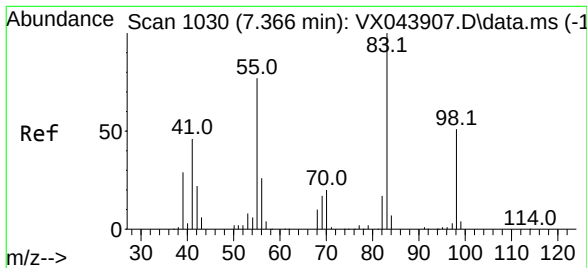
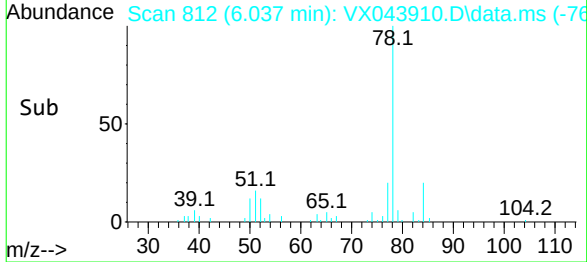
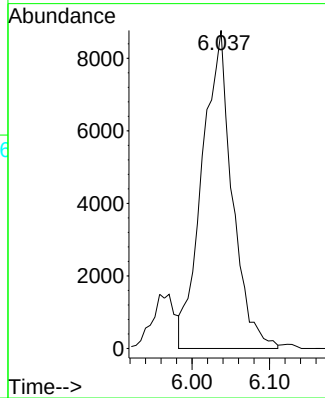
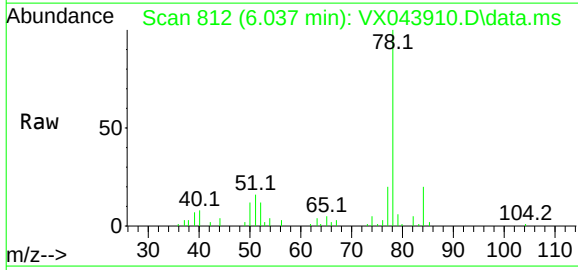
MDL-WATER-QT4-2024-08

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/21/2024

Supervised By :Semsettin Yesilyurt 11/25/2024



#35

Methylcyclohexane

Concen: 2.683 ug/L

RT: 7.373 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VX043910.D

Acq: 20 Nov 2024 12:11

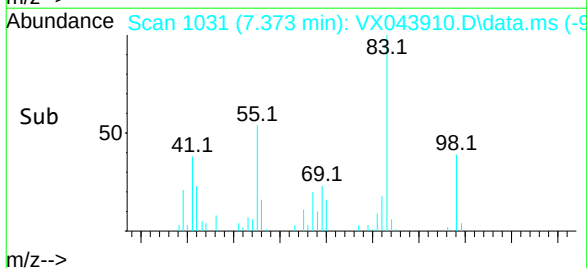
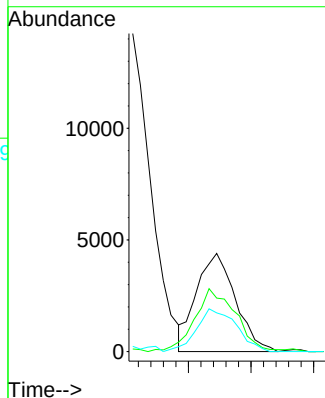
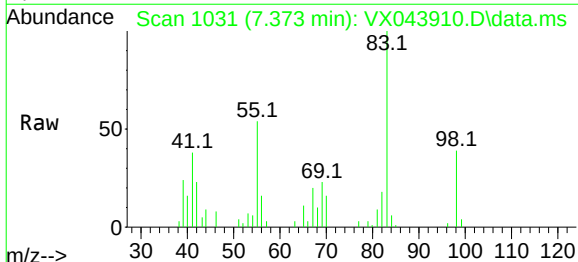
Tgt Ion: 83 Resp: 9525

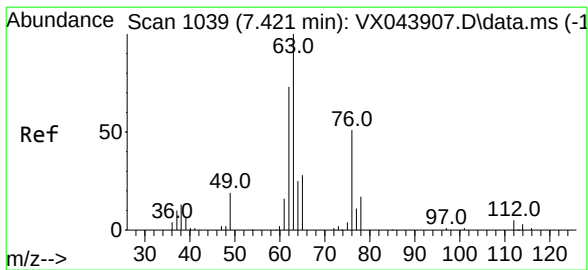
Ion	Ratio	Lower	Upper
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83	100		
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55	67.3	58.5	87.7
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98	44.3	40.5	60.7
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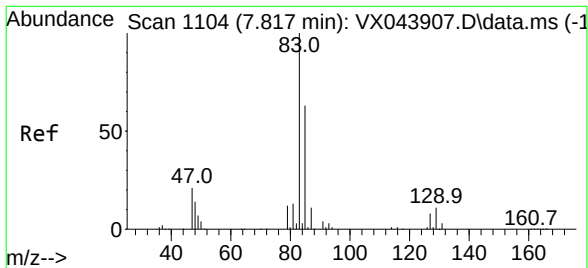
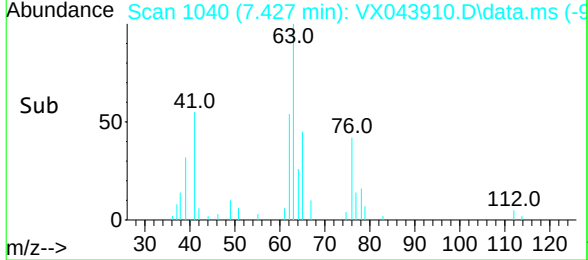
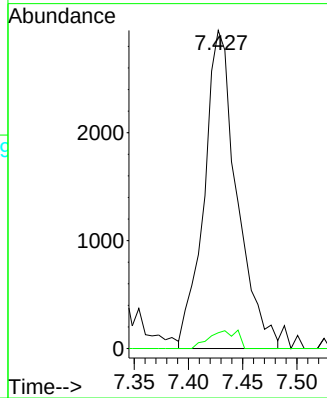
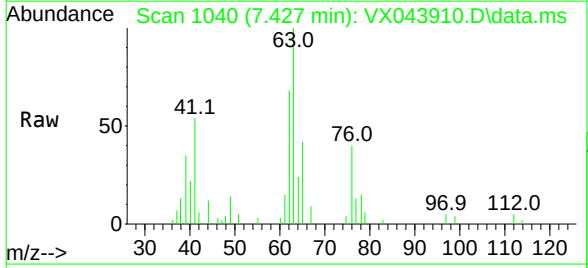
#37
1,2-Dichloropropane
Concen: 2.526 ug/L
RT: 7.427 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

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

Tgt Ion: 63 Resp: 6203
Ion Ratio Lower Upper
63 100
112 3.9 3.6 5.4

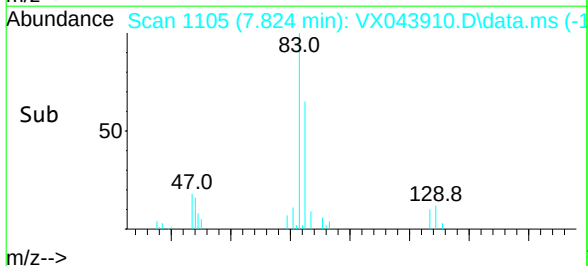
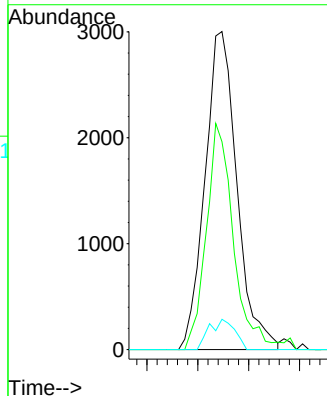
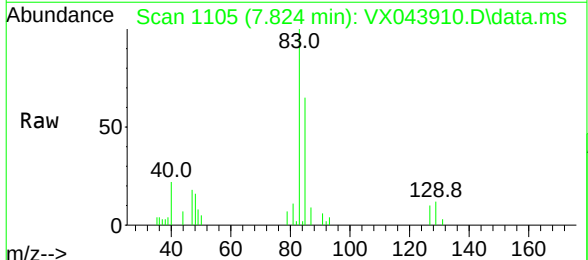
Manual Integrations
APPROVED

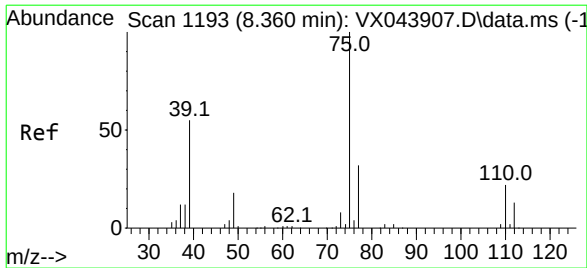
Reviewed By :John Carlone 11/21/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#38
Bromodichloromethane
Concen: 2.128 ug/L
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

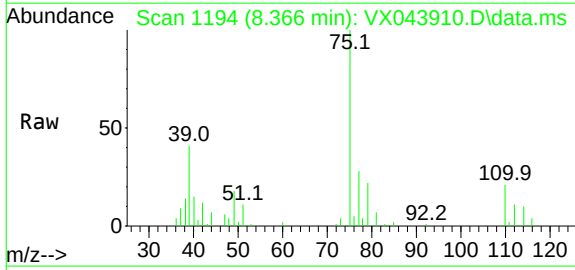
Tgt Ion: 83 Resp: 6554
Ion Ratio Lower Upper
83 100
85 65.3 44.1 81.9
127 9.5 7.0 10.4





#39
 cis-1,3-Dichloropropene
 Concen: 2.172 ug/L
 RT: 8.366 min Scan# 1193
 Delta R.T. 0.006 min
 Lab File: VX043910.D
 Acq: 20 Nov 2024 12:11

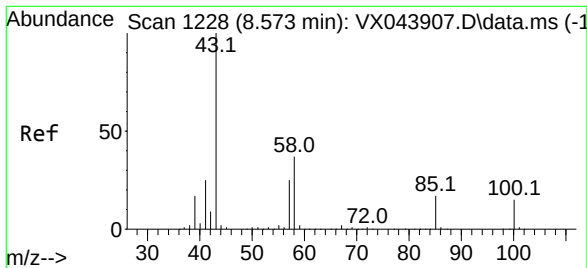
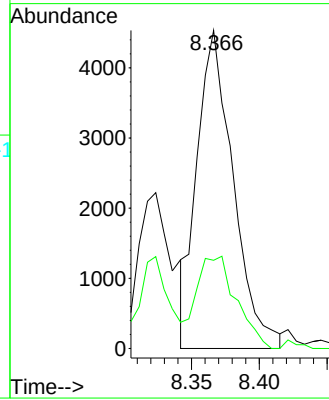
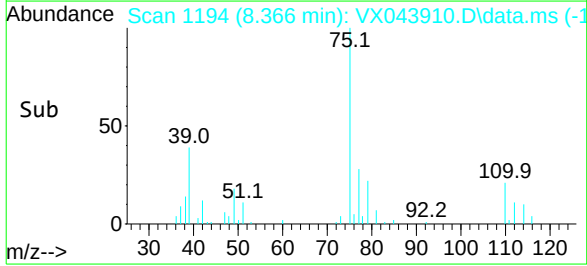
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT4-2024-08



Tgt Ion: 75 Resp: 8406
 Ion Ratio Lower Upper
 75 100
 77 27.7 21.6 40.0

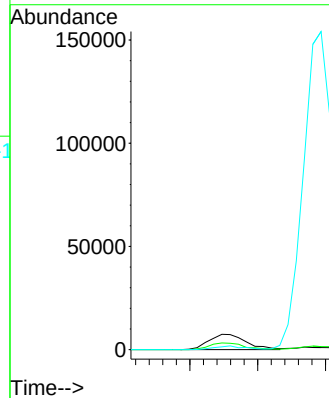
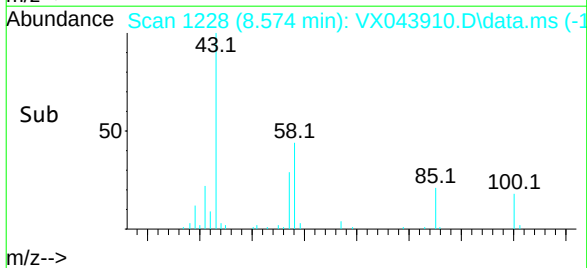
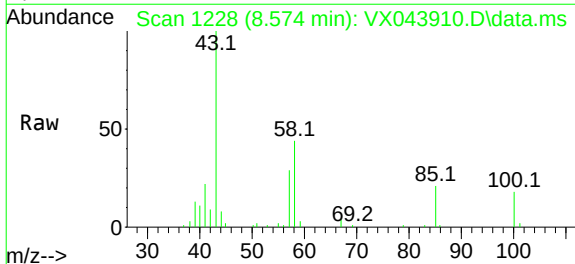
Manual Integrations
 APPROVED

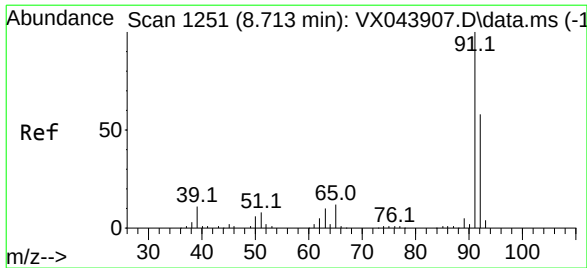
Reviewed By :John Carlone 11/21/2024
 Supervised By :Semsettin Yesilyurt 11/25/2024



#40
 4-Methyl-2-pentanone
 Concen: 4.193 ug/L
 RT: 8.574 min Scan# 1228
 Delta R.T. 0.000 min
 Lab File: VX043910.D
 Acq: 20 Nov 2024 12:11

Tgt Ion: 43 Resp: 14097
 Ion Ratio Lower Upper
 43 100
 58 41.3 32.4 48.6
 100 19.0 13.7 20.5





#42

Toluene

Concen: 2.425 ug/L

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX043910.D

Acq: 20 Nov 2024 12:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT4-2024-08

Tgt Ion: 91 Resp: 23128

Ion Ratio Lower Upper

91 100

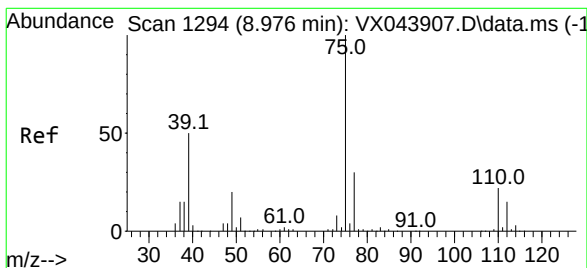
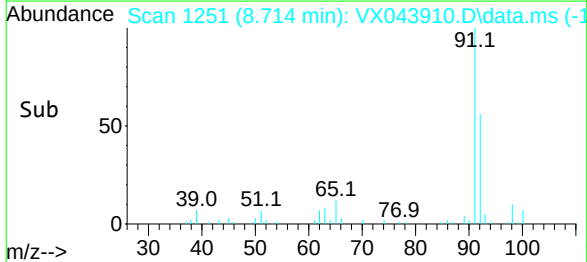
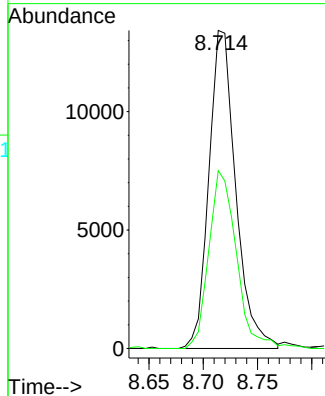
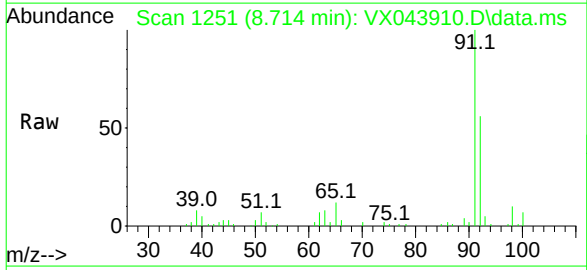
92 55.9 40.7 75.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/21/2024

Supervised By :Semsettin Yesilyurt 11/25/2024



#44

trans-1,3-Dichloropropene

Concen: 2.386 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX043910.D

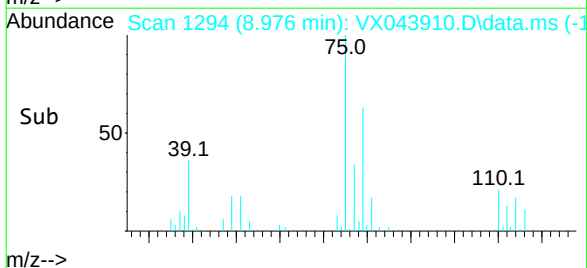
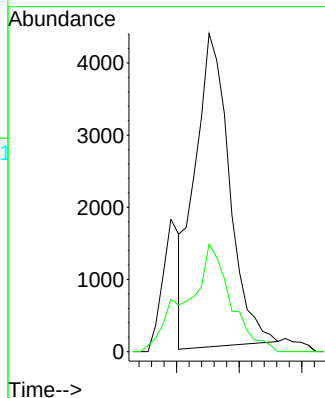
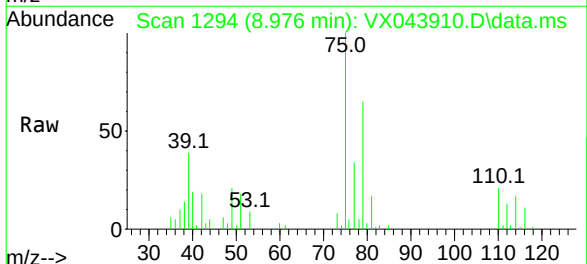
Acq: 20 Nov 2024 12:11

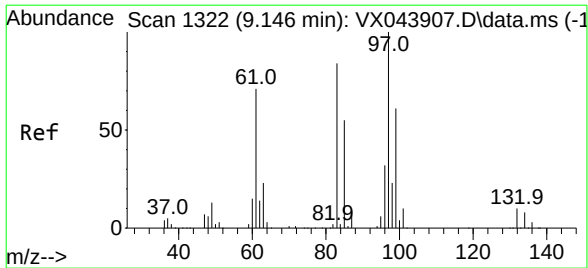
Tgt Ion: 75 Resp: 8301

Ion Ratio Lower Upper

75 100

77 33.8 21.8 40.6





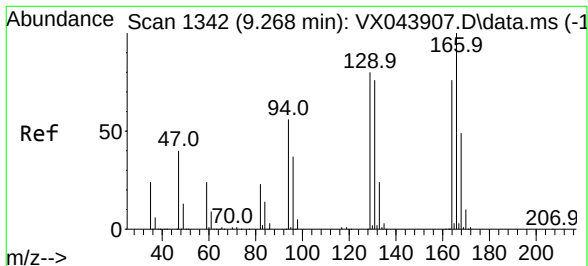
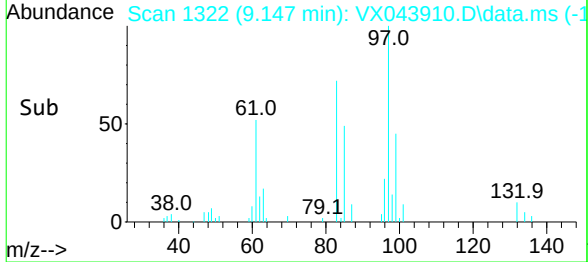
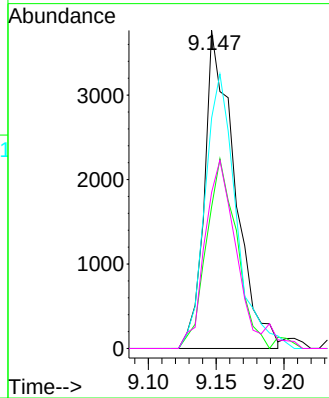
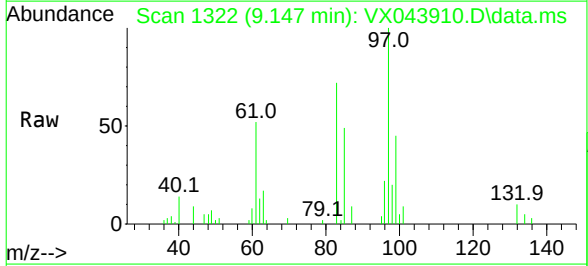
#45
1,1,2-Trichloroethane
Concen: 2.428 ug/L
RT: 9.147 min Scan# 1322
Delta R.T. 0.000 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

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

Tgt Ion:	97	Resp:	5863
Ion	Ratio	Lower	Upper
97	100		
99	44.6	43.4	80.6
83	72.5	60.2	111.8
85	49.1	39.3	72.9

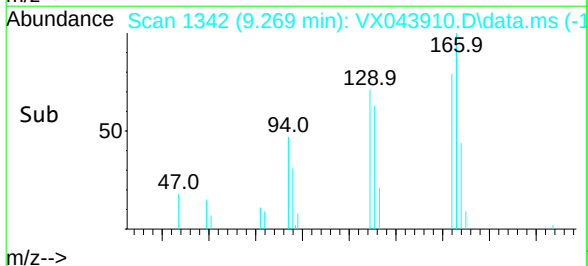
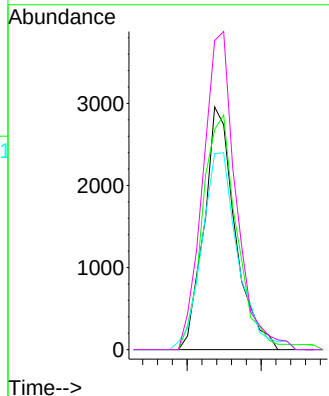
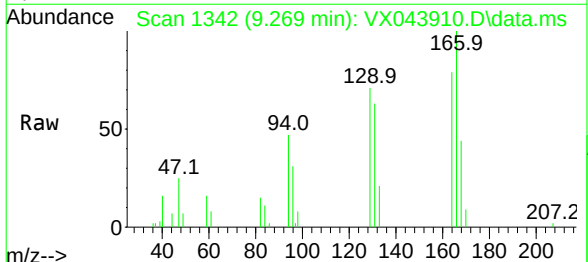
Manual Integrations
APPROVED

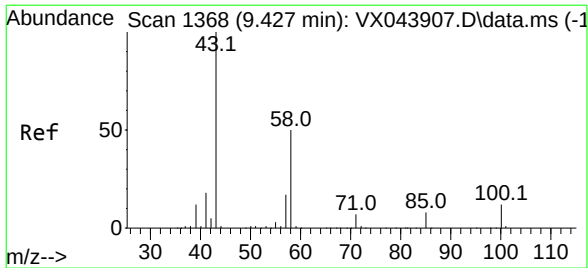
Reviewed By :John Carlone 11/21/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#46
Tetrachloroethene
Concen: 2.551 ug/L
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

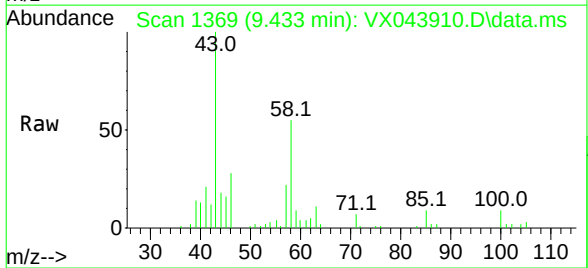
Tgt Ion:	164	Resp:	4316
Ion	Ratio	Lower	Upper
164	100		
129	90.7	73.6	136.6
131	80.8	70.2	130.4
166	127.4	92.0	170.8





#48
2-Hexanone
Concen: 5.641 ug/L m
RT: 9.433 min Scan# 1368
Delta R.T. 0.006 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

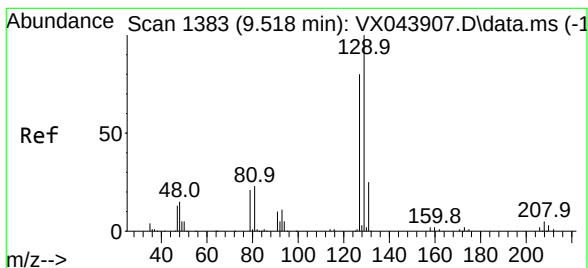
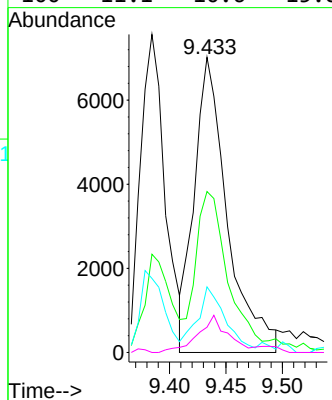
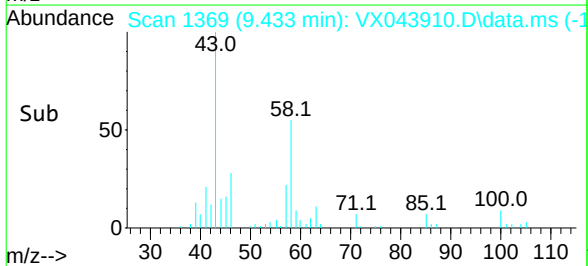
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT4-2024-08



Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.7	45.4	68.2
57	19.4	15.4	23.0
100	11.1	10.6	15.8

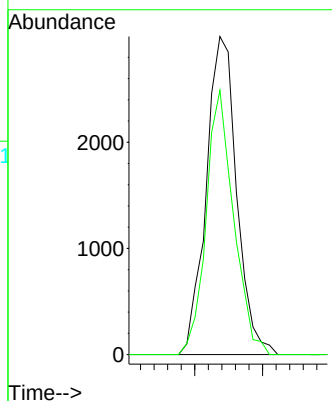
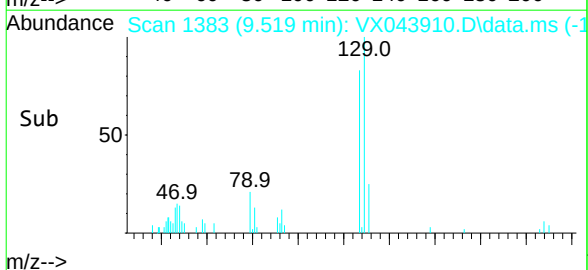
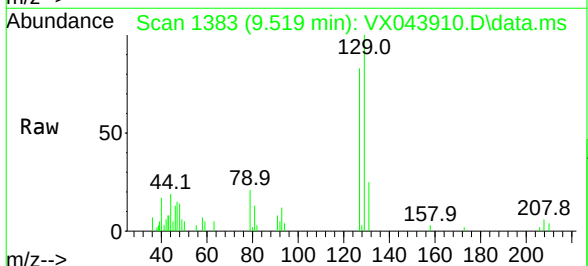
Manual Integrations
APPROVED

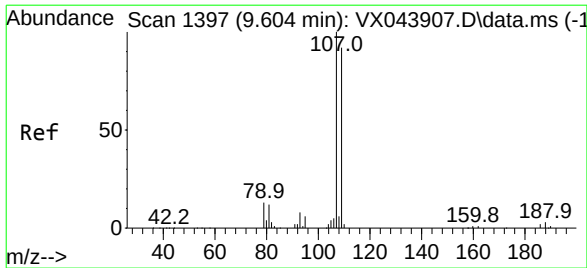
Reviewed By :John Carlone 11/21/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#49
Dibromochloromethane
Concen: 2.101 ug/L
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

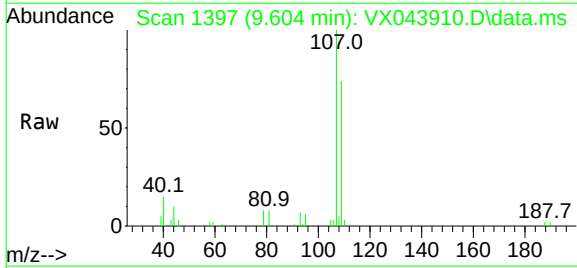
Tgt Ion	Ratio	Lower	Upper
129	100		
127	83.1	53.5	99.5





#50
1,2-Dibromoethane
Concen: 2.463 ug/L
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

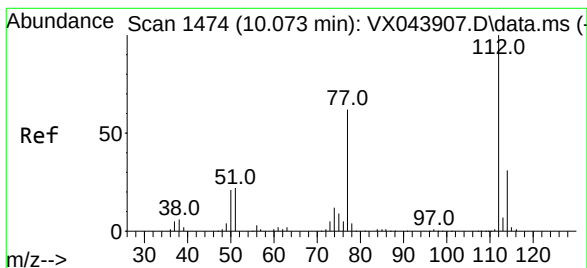
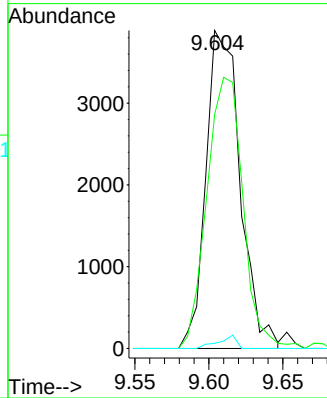
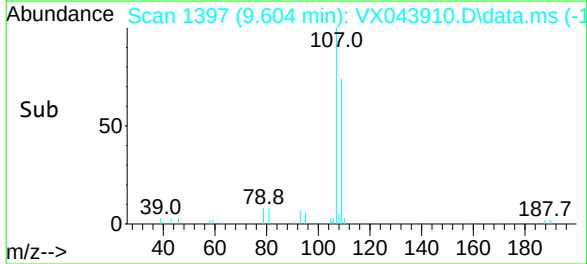
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT4-2024-08



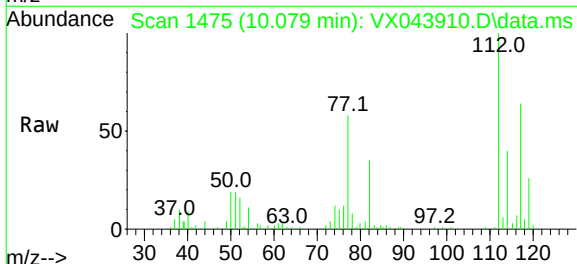
Tgt Ion:107 Resp: 6266
Ion Ratio Lower Upper
107 100
109 73.5 65.5 121.7
188 1.6 2.6 4.0#

Manual Integrations
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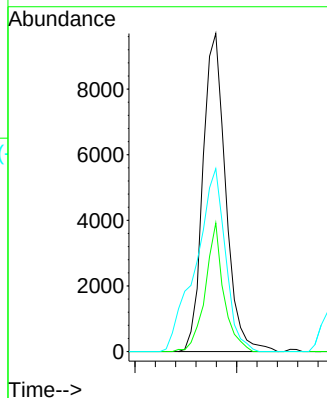
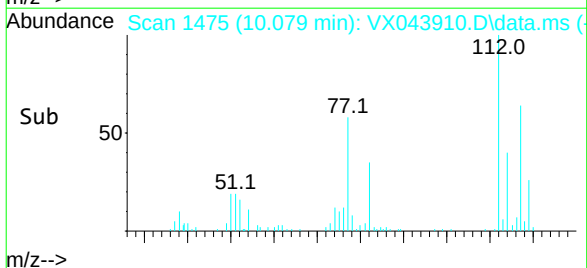
Reviewed By :John Carlone 11/21/2024
Supervised By :Semsettin Yesilyurt 11/25/2024

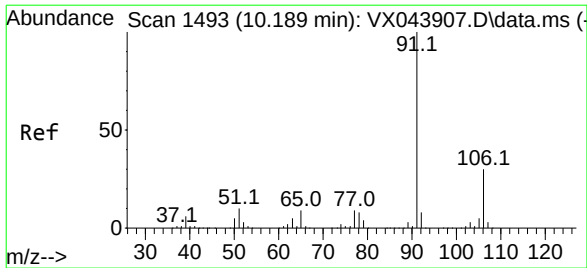


#51
Chlorobenzene
Concen: 2.550 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11



Tgt Ion:112 Resp: 15080
Ion Ratio Lower Upper
112 100
114 40.4 22.9 42.5
77 57.5 48.0 72.0





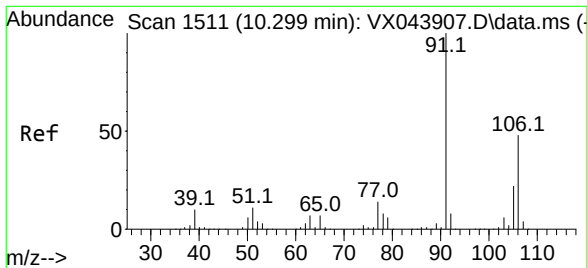
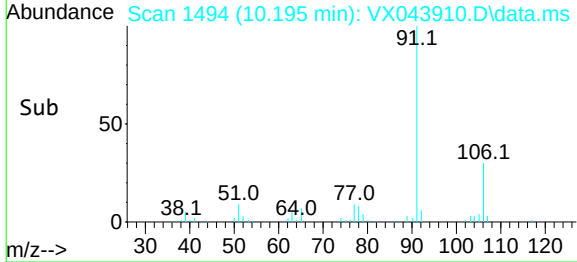
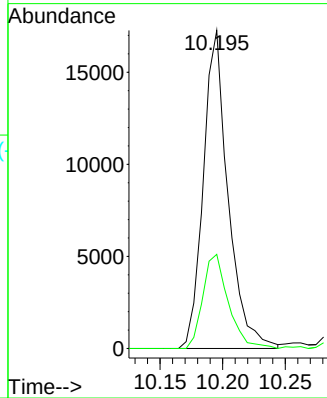
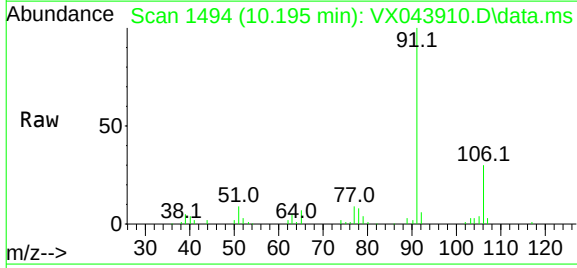
#52
Ethylbenzene
Concen: 2.364 ug/L
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

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

Tgt Ion: 91 Resp: 23760
Ion Ratio Lower Upper
91 100
106 29.6 21.1 39.1

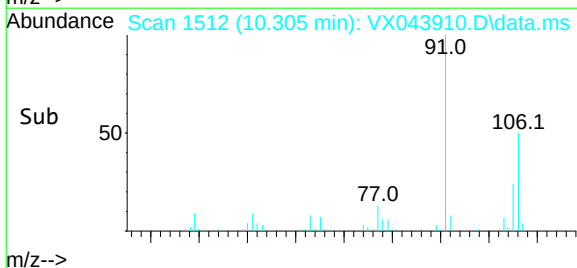
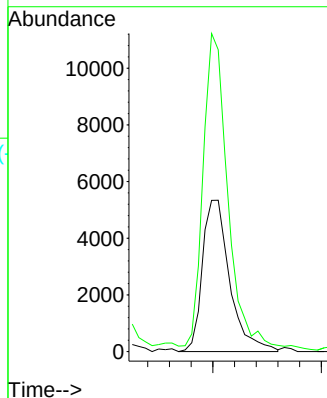
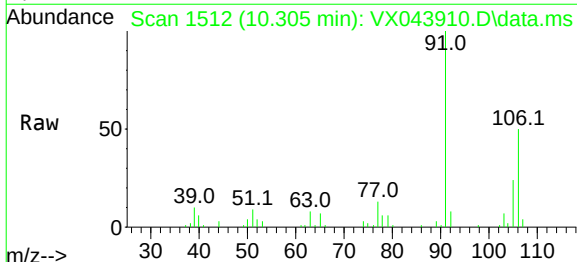
Manual Integrations
APPROVED

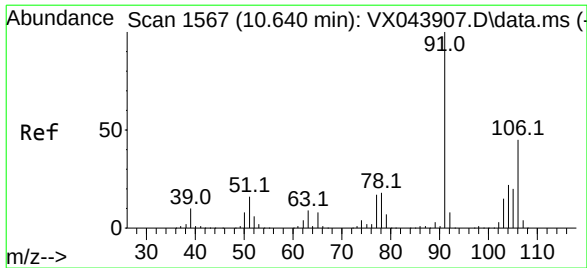
Reviewed By :John Carlone 11/21/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#53
m,p-Xylene
Concen: 2.507 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

Tgt Ion:106 Resp: 9358
Ion Ratio Lower Upper
106 100
91 199.4 147.5 273.9





#54

o-Xylene

Concen: 2.164 ug/L

RT: 10.640 min Scan# 15

Delta R.T. 0.000 min

Lab File: VX043910.D

Acq: 20 Nov 2024 12:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT4-2024-08

Tgt Ion:106 Resp: 8132

Ion Ratio Lower Upper

106 100

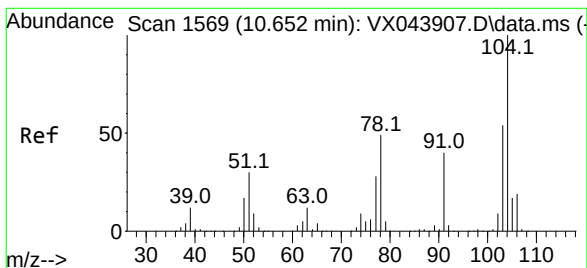
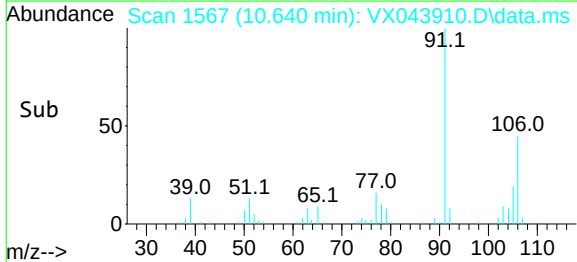
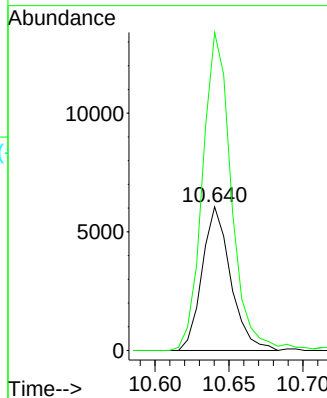
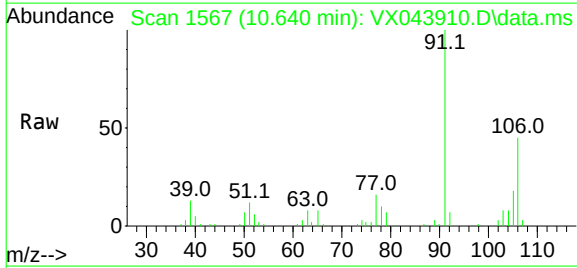
91 221.4 153.7 285.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/21/2024

Supervised By :Semsettin Yesilyurt 11/25/2024



#55

Styrene

Concen: 1.911 ug/L

RT: 10.659 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX043910.D

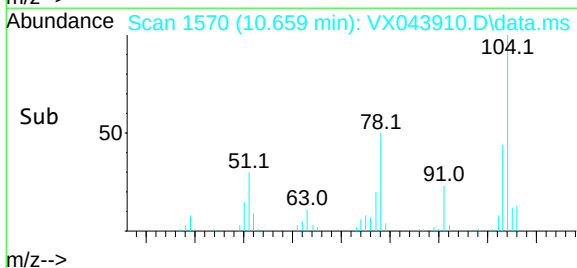
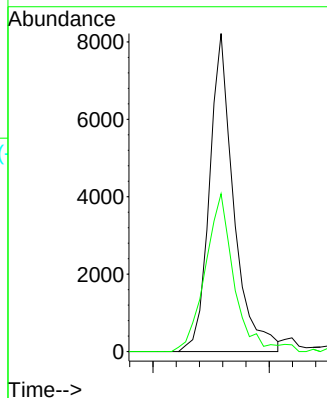
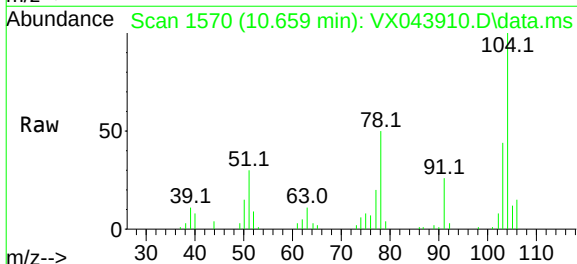
Acq: 20 Nov 2024 12:11

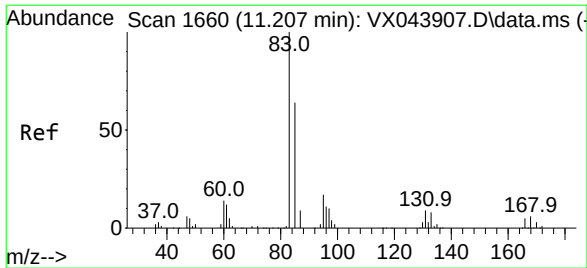
Tgt Ion:104 Resp: 11890

Ion Ratio Lower Upper

104 100

78 49.6 32.8 60.8





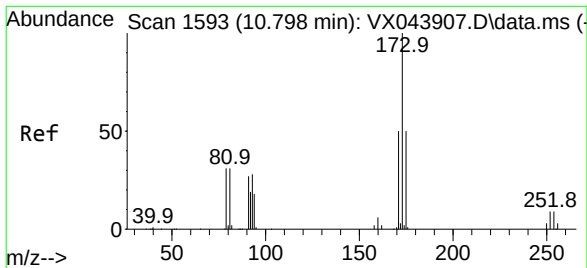
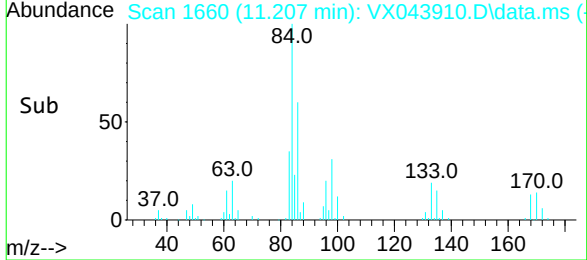
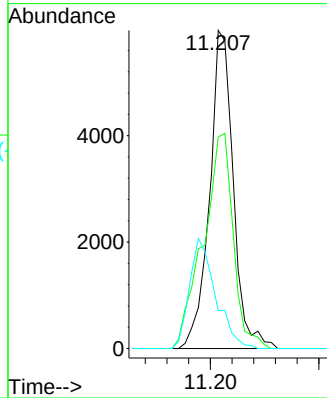
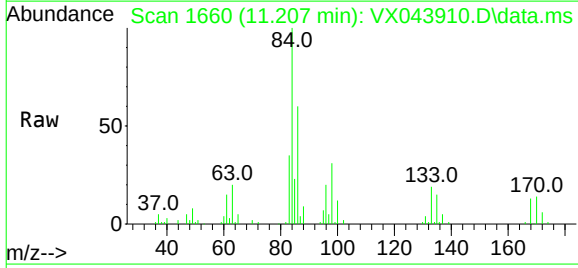
#57
1,1,2,2-Tetrachloroethane
Concen: 2.505 ug/L
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

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

Tgt Ion:	83	Resp:	9055
Ion	Ratio	Lower	Upper
83	100		
85	66.5	46.0	85.4
131	11.9	8.8	13.2

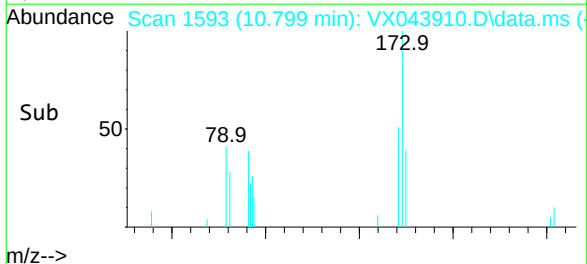
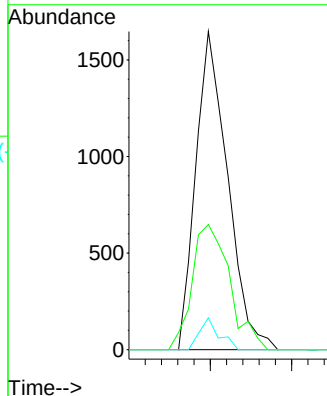
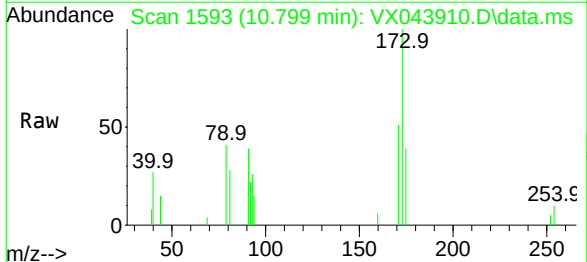
Manual Integrations
APPROVED

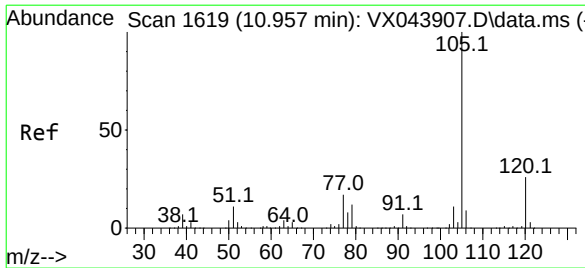
Reviewed By :John Carlone 11/21/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#59
Bromoform
Concen: 1.851 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

Tgt Ion:	173	Resp:	2241
Ion	Ratio	Lower	Upper
173	100		
175	43.0	40.0	60.0
254	6.1	6.3	9.5





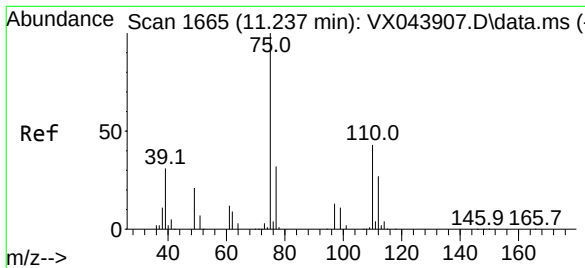
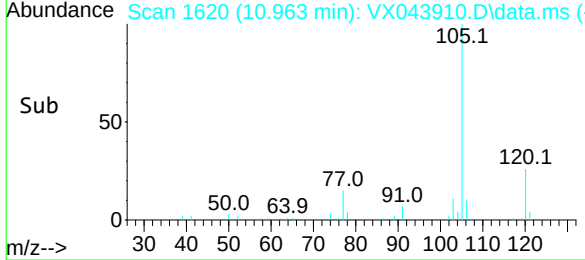
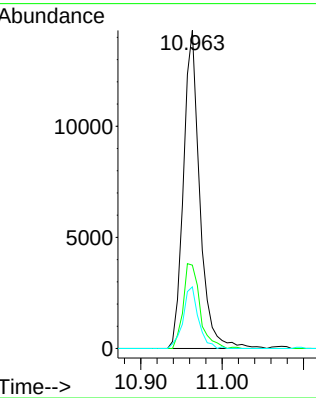
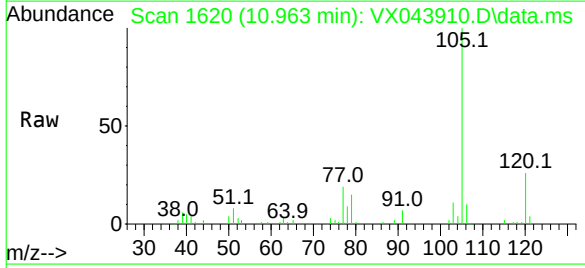
#60
Isopropylbenzene
Concen: 2.339 ug/L
RT: 10.963 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

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

Tgt Ion:	105	Resp:	19922
Ion	Ratio	Lower	Upper
105	100		
120	27.3	20.6	31.0
77	18.1	13.4	20.0

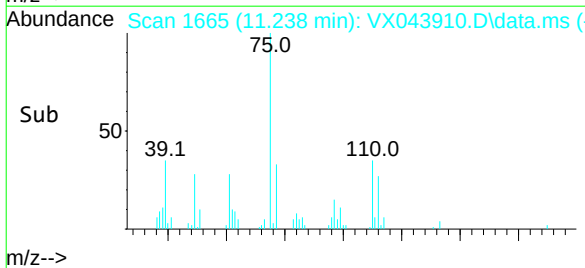
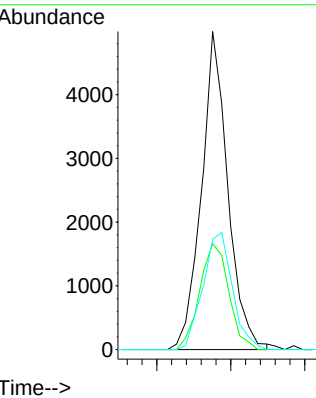
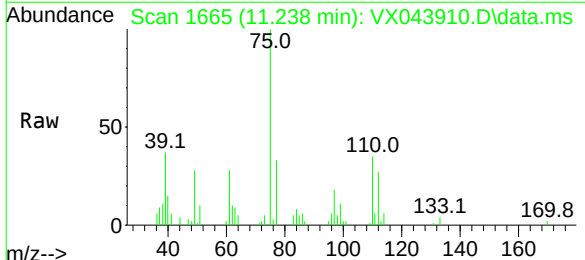
Manual Integrations
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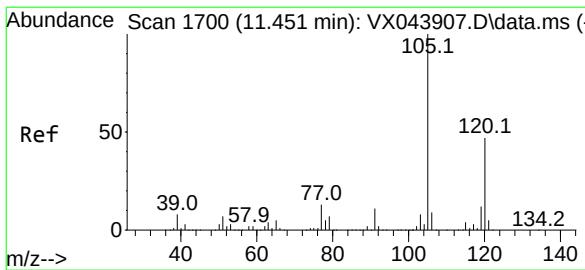
Reviewed By :John Carlone 11/21/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#61
1,2,3-Trichloropropane
Concen: 2.508 ug/L
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

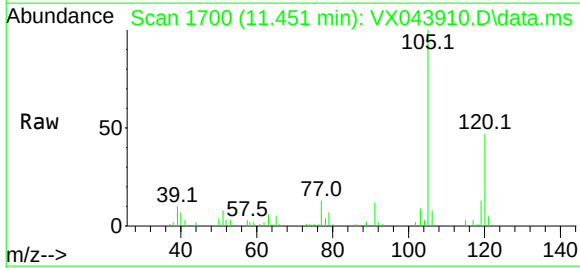
Tgt Ion:	75	Resp:	6176
Ion	Ratio	Lower	Upper
75	100		
77	36.7	25.8	38.6
110	41.2	33.3	49.9





#62
1,3,5-Trimethylbenzene
Concen: 2.417 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

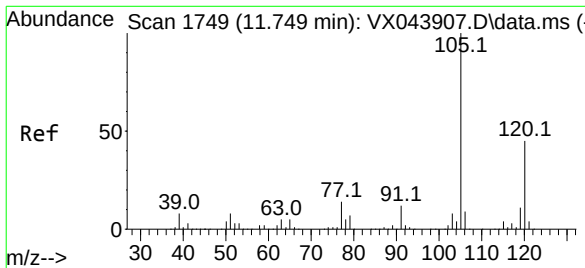
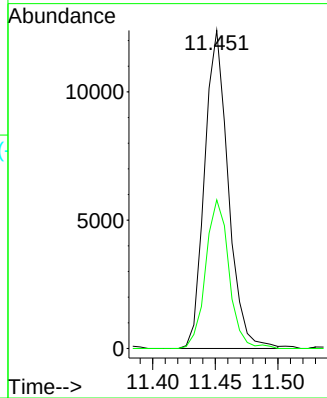
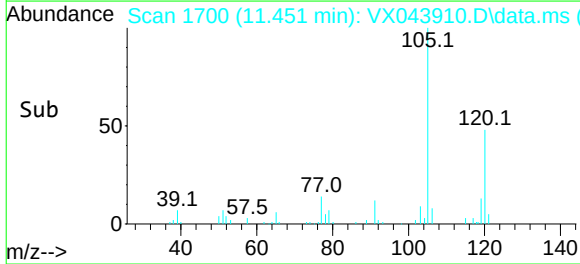
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT4-2024-08



Tgt Ion:105 Resp: 16262
Ion Ratio Lower Upper
105 100
120 45.7 38.2 57.4

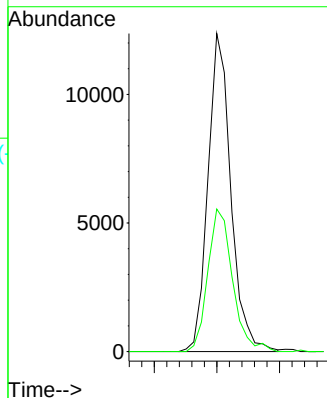
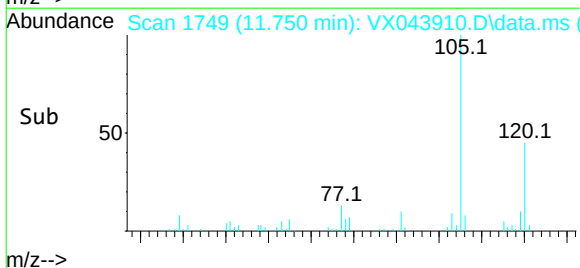
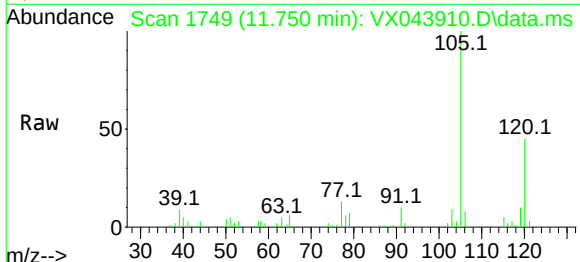
Manual Integrations
APPROVED

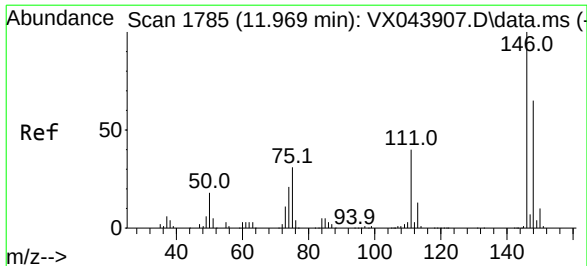
Reviewed By :John Carlone 11/21/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#63
1,2,4-Trimethylbenzene
Concen: 2.345 ug/L
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

Tgt Ion:105 Resp: 15728
Ion Ratio Lower Upper
105 100
120 48.5 34.5 51.7





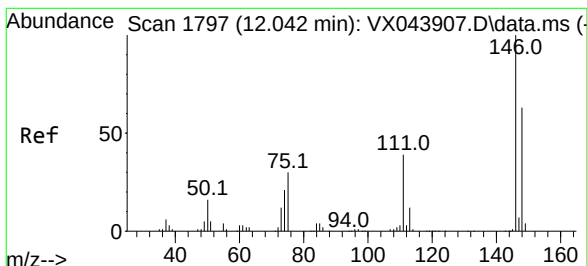
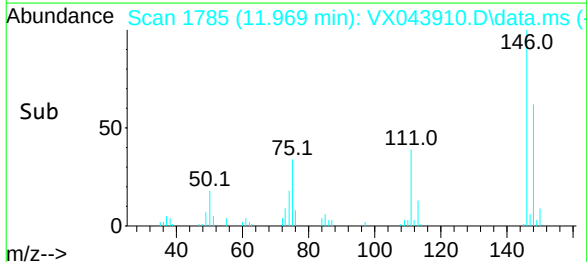
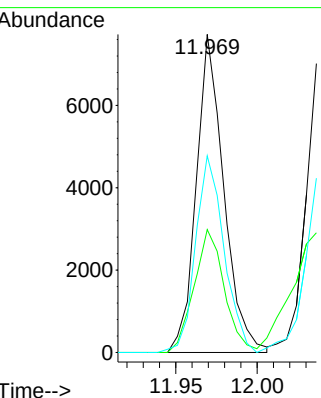
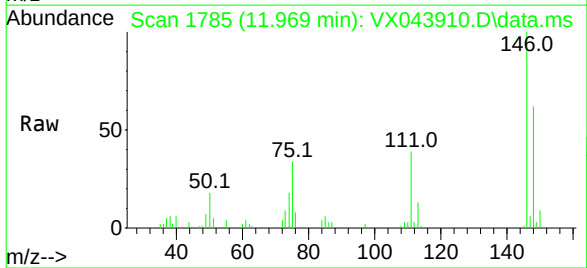
#64
1,3-Dichlorobenzene
Concen: 2.546 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

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

Tgt Ion:	146	Resp:	9098
Ion Ratio	Lower	Upper	
146	100		
111	38.6	28.8	53.4
148	61.8	46.1	85.5

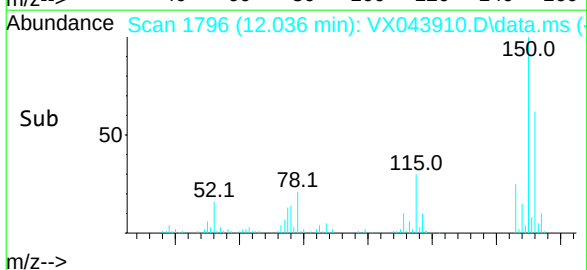
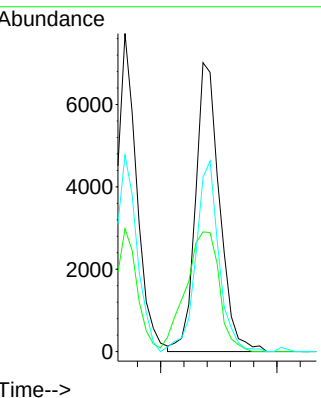
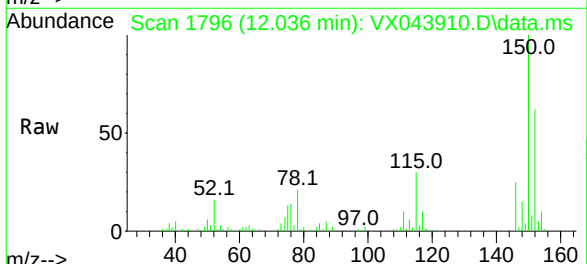
Manual Integrations
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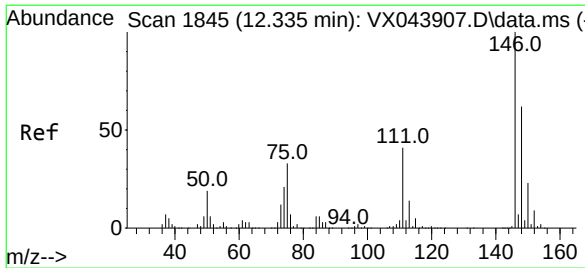
Reviewed By :John Carlone 11/21/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#65
1,4-Dichlorobenzene
Concen: 2.848 ug/L
RT: 12.036 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

Tgt Ion:	146	Resp:	10104
Ion Ratio	Lower	Upper	
146	100		
111	41.4	29.5	54.7
148	60.3	43.2	80.2





#67

1,2-Dichlorobenzene

Concen: 2.311 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX043910.D

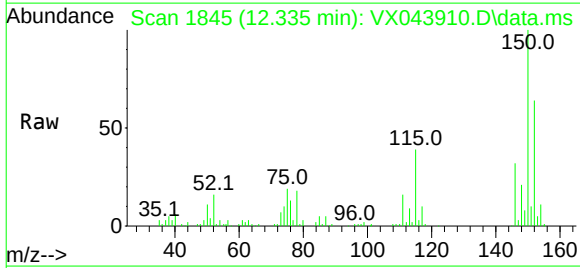
Acq: 20 Nov 2024 12:11

Instrument :

MSVOA_X

ClientSampleId :

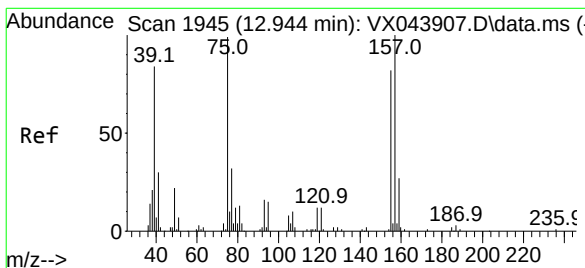
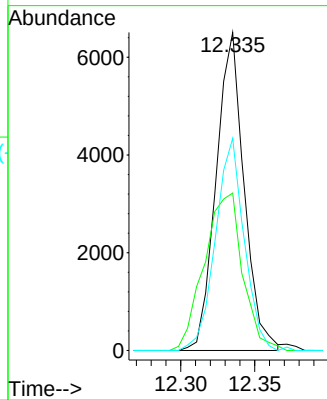
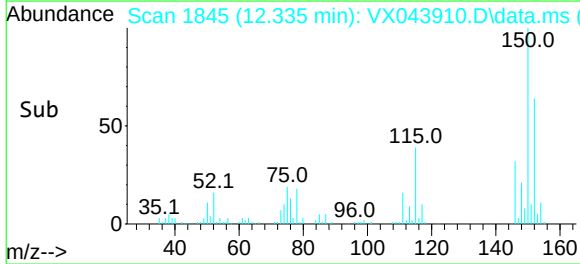
MDL-WATER-QT4-2024-08



Tgt Ion:	146	Resp:	8549
Ion Ratio	Lower	Upper	
146	100		
111	49.5	34.3	51.5
148	66.7	52.6	79.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/21/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#68

1,2-Dibromo-3-chloropropane

Concen: 1.952 ug/L

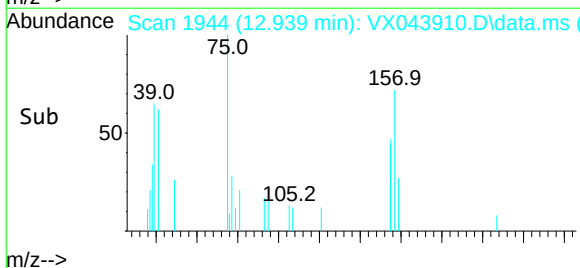
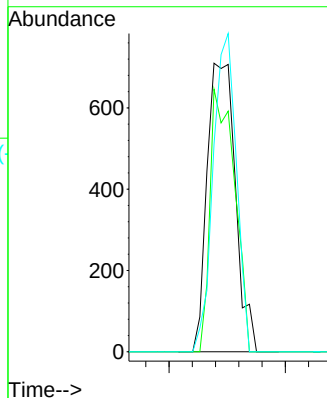
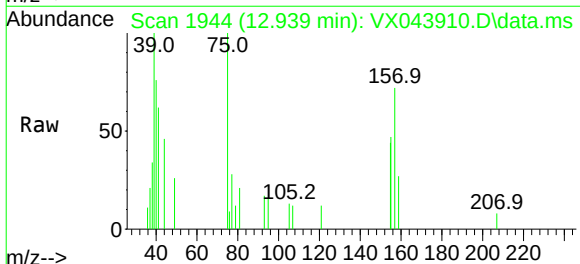
RT: 12.939 min Scan# 1944

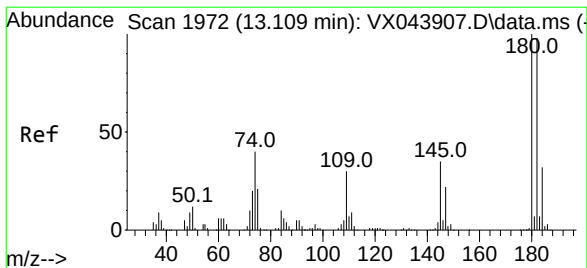
Delta R.T. -0.006 min

Lab File: VX043910.D

Acq: 20 Nov 2024 12:11

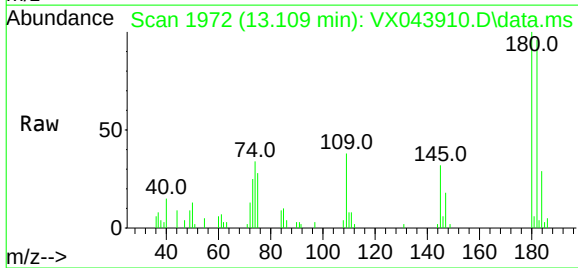
Tgt Ion:	75	Resp:	1203
Ion Ratio	Lower	Upper	
75	100		
155	91.0	60.5	90.7#
157	71.8	73.5	110.3#





#69
1,3,5-Trichlorobenzene
Concen: 2.204 ug/L
RT: 13.109 min Scan# 1972
Delta R.T. 0.000 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11

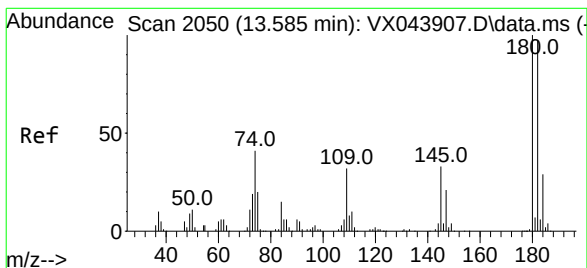
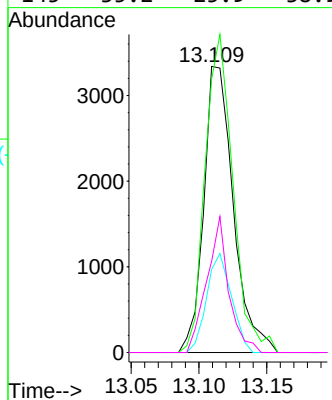
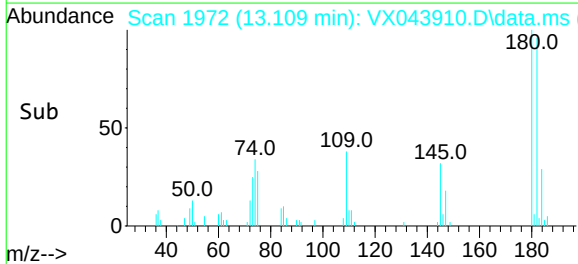
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT4-2024-08



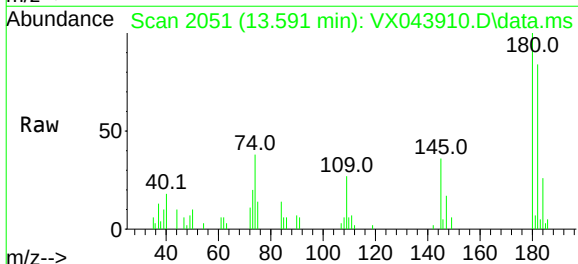
Tgt Ion:180 Resp: 5082
Ion Ratio Lower Upper
180 100
182 104.5 76.7 115.1
184 29.0 24.2 36.4
145 35.2 25.9 38.9

Manual Integrations
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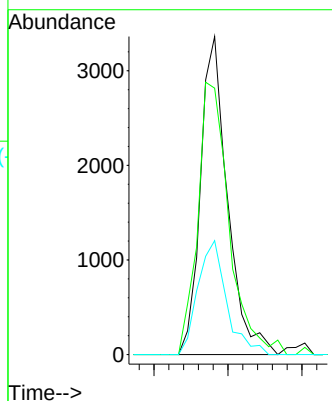
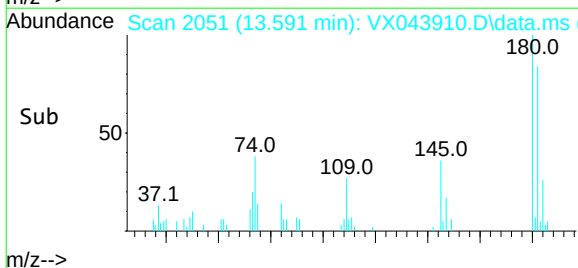
Reviewed By :John Carlone 11/21/2024
Supervised By :Semsettin Yesilyurt 11/25/2024

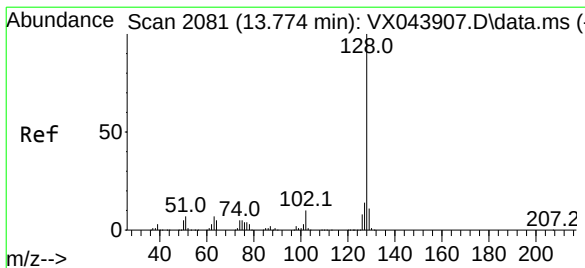


#70
1,2,4-trichlorobenzene
Concen: 2.008 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX043910.D
Acq: 20 Nov 2024 12:11



Tgt Ion:180 Resp: 4269
Ion Ratio Lower Upper
180 100
182 97.8 74.1 111.1
145 38.2 25.3 37.9#





#71

Naphthalene

Concen: 1.836 ug/L

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX043910.D

Acq: 20 Nov 2024 12:11

Instrument :

MSVOA_X

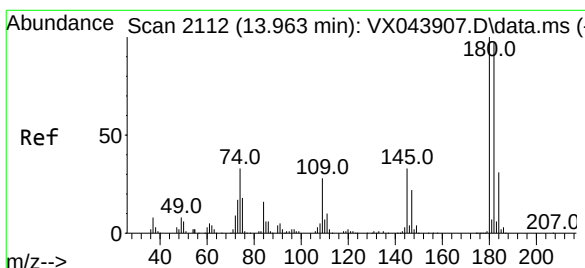
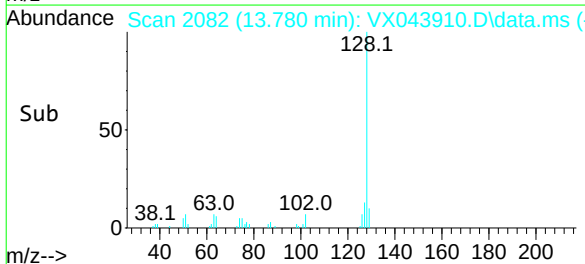
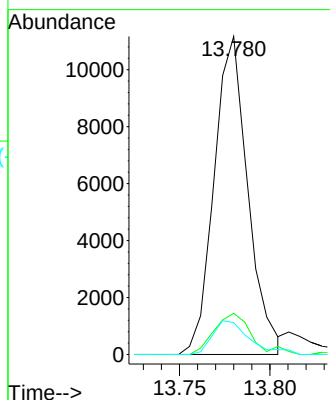
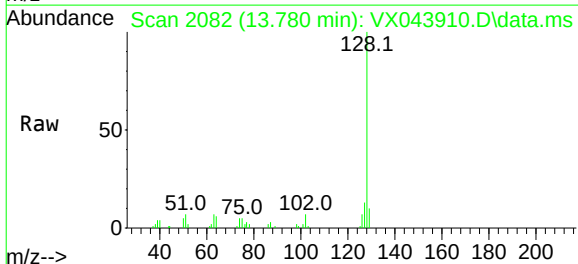
ClientSampleId :

MDL-WATER-QT4-2024-08

Tgt Ion:	128	Resp:	14515
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.1	15.1
129	10.8	8.6	13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/21/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



#72

1,2,3-Trichlorobenzene

Concen: 2.591 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX043910.D

Acq: 20 Nov 2024 12:11

Tgt Ion:	180	Resp:	5549
Ion	Ratio	Lower	Upper
180	100		
182	89.8	73.8	110.6
145	36.3	27.4	41.2

