

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041123\
 Data File : VX035001.D
 Acq On : 11 Apr 2023 11:02
 Operator : JC/MD
 Sample : 02215-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT2-2023-04

Quant Time: Apr 12 02:03:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 12 01:54:54 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/12/2023
 Supervised By : Semsettin Yesilyurt 04/12/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	459875	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	397815	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	185327	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	148196	48.382	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	96.760%		
7) Chloroethane-d5	1.673	69	114839	51.187	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	102.380%		
11) 1,1-Dichloroethene-d2	2.307	63	232097	37.381	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	74.760%		
21) 2-Butanone-d5	4.465	46	227891	111.942	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	111.940%		
24) Chloroform-d	5.056	84	292509	50.112	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.220%		
26) 1,2-Dichloroethane-d4	5.952	65	208438	52.020	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.040%		
32) Benzene-d6	5.971	84	589984	53.126	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	106.260%		
36) 1,2-Dichloropropane-d6	7.306	67	184977	54.146	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	108.300%		
41) Toluene-d8	8.647	98	530576	52.162	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.320%		
43) trans-1,3-Dichloroprop...	8.952	79	73484	46.840	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.680%		
47) 2-Hexanone-d5	9.385	63	151533	110.978	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	110.980%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	224943	52.984	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	105.960%		
66) 1,2-Dichlorobenzene-d4	12.317	152	187489	55.132	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	110.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	6897	1.727	ug/L	95
3) Chloromethane	1.295	50	6985	1.861	ug/L	88
5) Vinyl chloride	1.374	62	7114	1.870	ug/L #	73
6) Bromomethane	1.612	94	3974	1.848	ug/L	82
8) Chloroethane	1.691	64	4079	1.905	ug/L	100
9) Trichlorofluoromethane	1.886	101	9012	1.702	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	7987	2.431	ug/L #	78
12) 1,1-Dichloroethene	2.319	96	7189	2.459	ug/L #	1
13) Acetone	2.398	43	8612	4.278	ug/L	99
14) Carbon disulfide	2.508	76	12392	1.577	ug/L #	94
15) Methyl Acetate	2.709	43	6707	1.941	ug/L	96
16) Methylene chloride	2.794	84	6049	1.886	ug/L	93
17) trans-1,2-Dichloroethene	3.093	96	4938	1.642	ug/L	89
18) Methyl tert-butyl Ether	3.111	73	19039	1.812	ug/L	100
19) 1,1-Dichloroethane	3.605	63	10439	1.744	ug/L	92
20) cis-1,2-Dichloroethene	4.477	96	6054	1.760	ug/L	96
22) 2-Butanone	4.581	43	9975m	3.879	ug/L	
23) Bromochloromethane	4.910	128	3020	1.775	ug/L #	69
25) Chloroform	5.093	83	15380	2.505	ug/L	92

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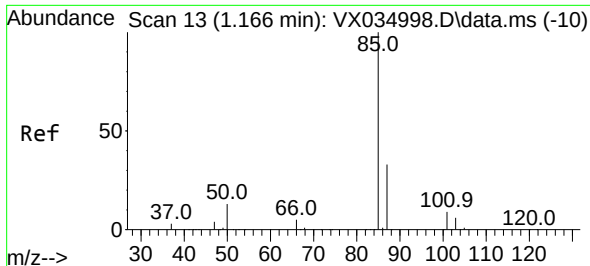
Quant Time: Apr 12 02:03:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXMLM041023WMA.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.092	62	9528	1.832	ug/L	95
29) Cyclohexane	5.471	56	9725	1.778	ug/L #	94
30) 1,1,1-Trichloroethane	5.385	97	8502	1.616	ug/L	98
31) Carbon tetrachloride	5.678	117	7424	1.637	ug/L	96
33) Benzene	6.038	78	23450	1.848	ug/L	100
34) Trichloroethene	7.123	95	6066	1.773	ug/L	90
35) Methylcyclohexane	7.379	83	8521	1.728	ug/L	99
37) 1,2-Dichloropropane	7.434	63	6100	1.815	ug/L	99
38) Bromodichloromethane	7.824	83	6682	1.571	ug/L	94
39) cis-1,3-Dichloropropene	8.366	75	8497	1.654	ug/L	95
40) 4-Methyl-2-pentanone	8.574	43	15285	3.422	ug/L	98
42) Toluene	8.720	91	23747	1.807	ug/L	96
44) trans-1,3-Dichloropropene	8.976	75	7938	1.678	ug/L	96
45) 1,1,2-Trichloroethane	9.153	97	5302	1.691	ug/L	97
46) Tetrachloroethene	9.275	164	4163	1.634	ug/L	91
48) 2-Hexanone	9.433	43	14667	4.189	ug/L	93
49) Dibromochloromethane	9.519	129	4574	1.483	ug/L	90
50) 1,2-Dibromoethane	9.610	107	5760	1.751	ug/L #	97
51) Chlorobenzene	10.080	112	15695	1.853	ug/L	99
52) Ethylbenzene	10.195	91	24980	1.675	ug/L	95
53) m,p-Xylene	10.299	106	9549	1.700	ug/L	97
54) o-Xylene	10.640	106	9279	1.676	ug/L	100
55) Styrene	10.659	104	14421	1.554	ug/L	91
57) 1,1,2,2-Tetrachloroethane	11.214	83	9405	2.021	ug/L	94
59) Bromoform	10.799	173	2916	1.476	ug/L	90
60) Isopropylbenzene	10.964	105	23875	1.764	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	7041	1.981	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	18827	1.678	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	18939	1.709	ug/L	95
64) 1,3-Dichlorobenzene	11.969	146	10925	1.812	ug/L	96
65) 1,4-Dichlorobenzene	12.043	146	11620	1.906	ug/L	92
67) 1,2-Dichlorobenzene	12.335	146	11562	1.947	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.945	75	1240	1.363	ug/L #	87
69) 1,3,5-Trichlorobenzene	13.116	180	6880	1.824	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	6199	1.767	ug/L	96
71) Naphthalene	13.780	128	19186	1.601	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	6308	1.791	ug/L	93

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



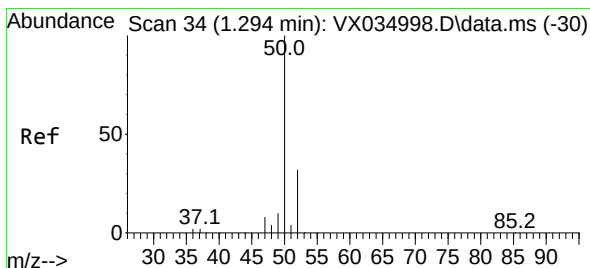
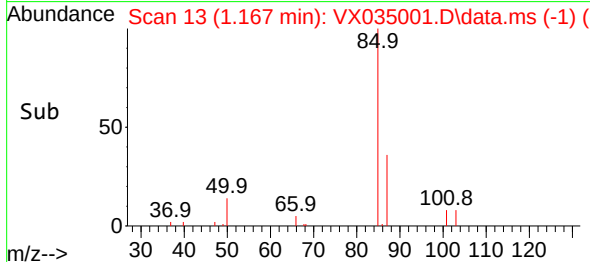
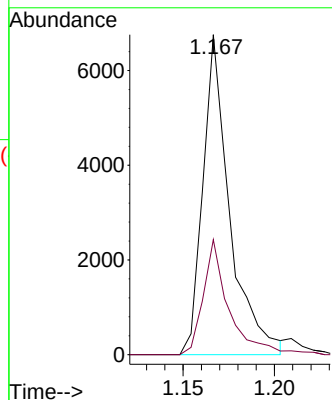
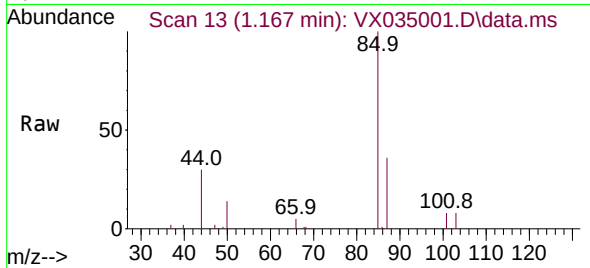
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Dichlorodifluoromethane
Concen: 1.727 ug/L
RT: 1.167 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT2-2023-04

Tgt Ion: 85 Resp: 689
Ion Ratio Lower Upper
85 100
87 34.7 25.7 38.5

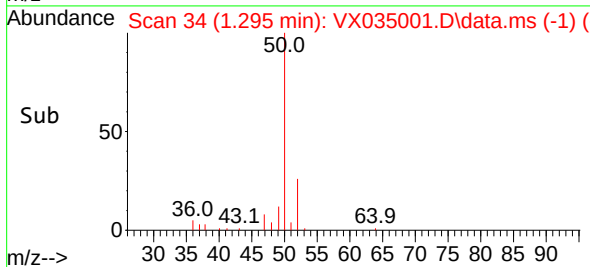
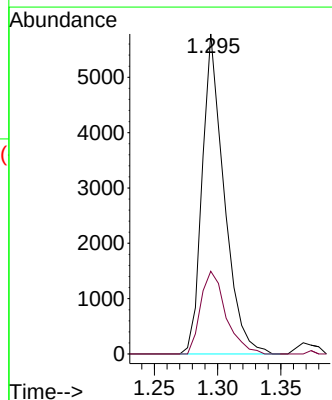
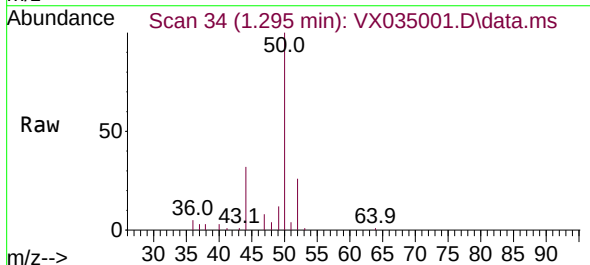
Manual Integrations
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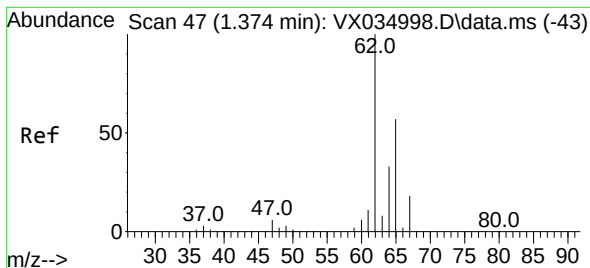
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#3
Chloromethane
Concen: 1.861 ug/L
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

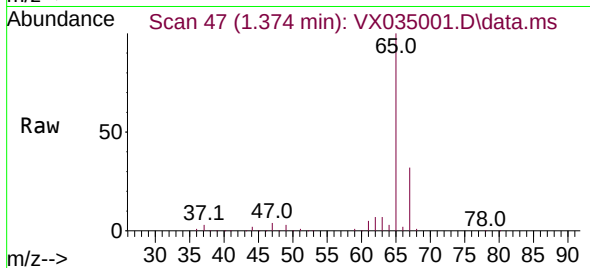
Tgt Ion: 50 Resp: 6985
Ion Ratio Lower Upper
50 100
52 25.8 22.9 42.5





#5
 Vinyl chloride
 Concen: 1.870 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX035001.D
 Acq: 11 Apr 2023 11:02

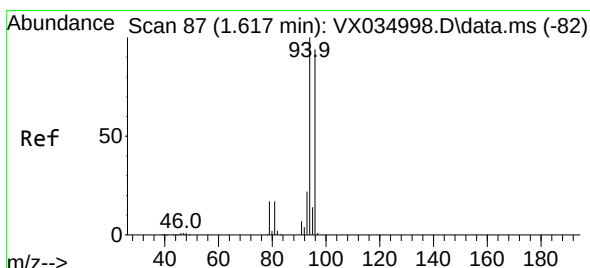
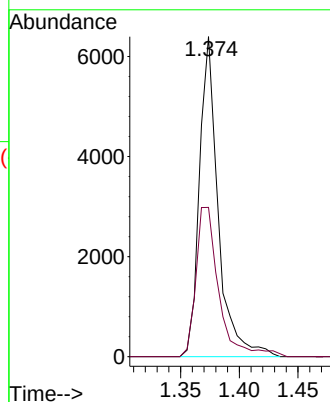
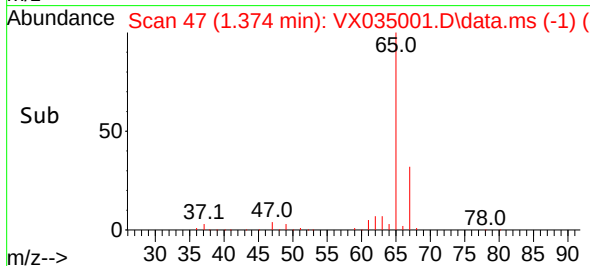
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT2-2023-04



Tgt Ion: 62 Resp: 7114
 Ion Ratio Lower Upper
 62 100
 64 46.6 22.3 41.3

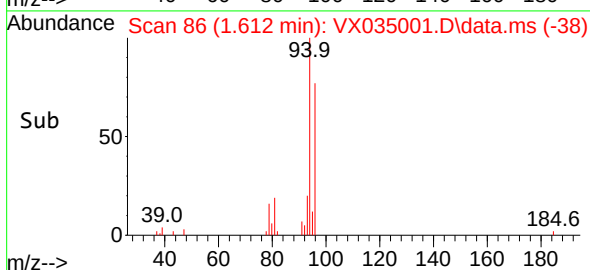
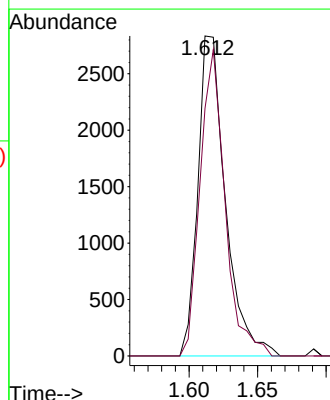
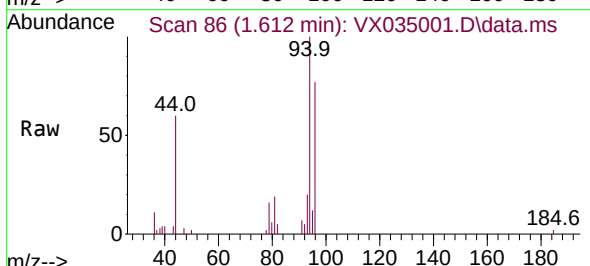
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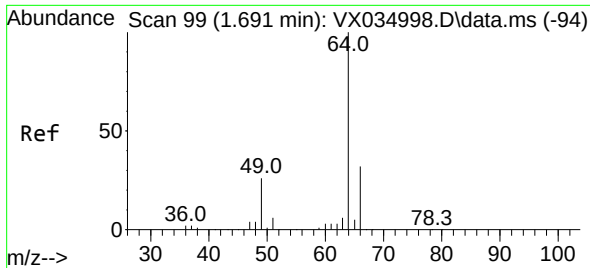
Reviewed By :John Carlone 04/12/2023
 Supervised By :Semsettin Yesilyurt 04/12/2023



#6
 Bromomethane
 Concen: 1.848 ug/L
 RT: 1.612 min Scan# 86
 Delta R.T. -0.006 min
 Lab File: VX035001.D
 Acq: 11 Apr 2023 11:02

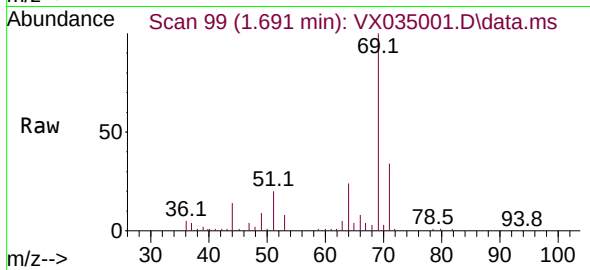
Tgt Ion: 94 Resp: 3974
 Ion Ratio Lower Upper
 94 100
 96 77.4 66.6 123.6





#8
Chloroethane
Concen: 1.905 ug/L
RT: 1.691 min Scan# 99
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

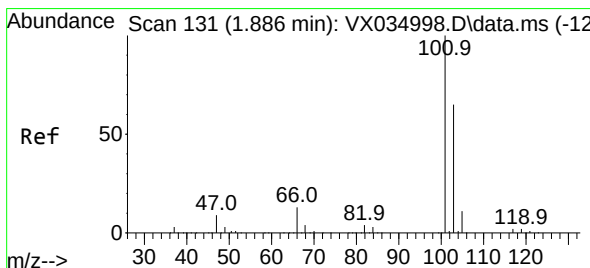
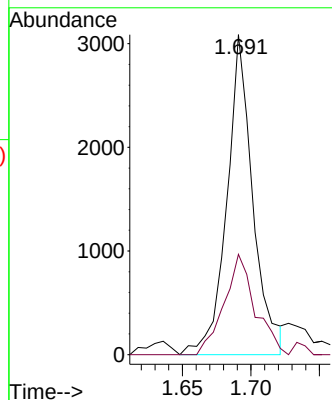
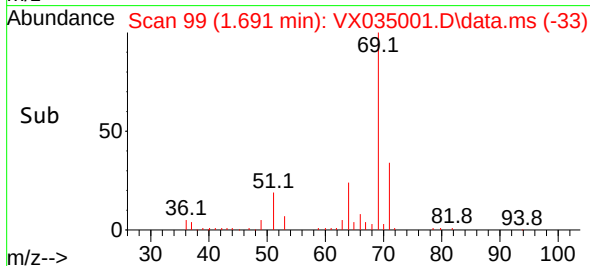
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04



Tgt Ion: 64 Resp: 4079
Ion Ratio Lower Upper
64 100
66 31.3 21.8 40.4

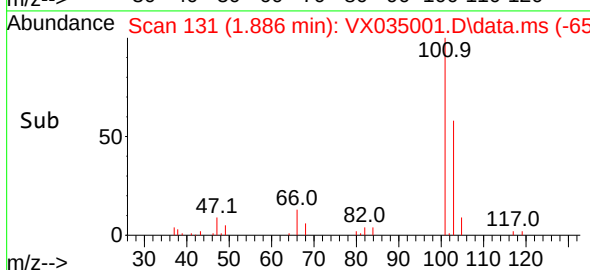
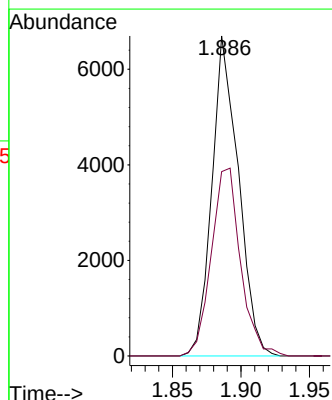
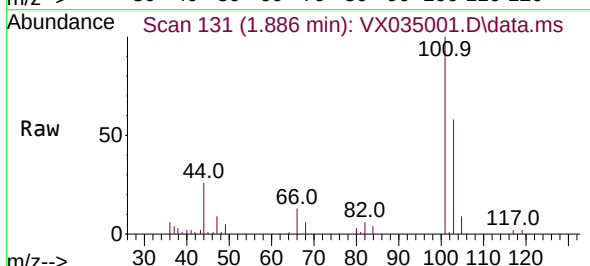
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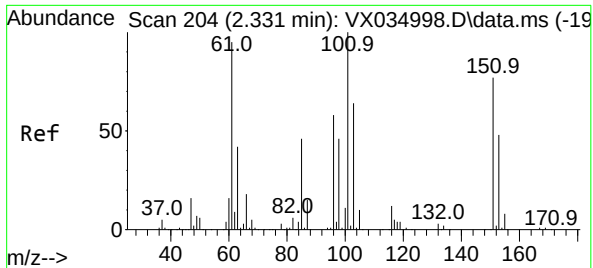
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#9
Trichlorofluoromethane
Concen: 1.702 ug/L
RT: 1.886 min Scan# 131
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Tgt Ion:101 Resp: 9012
Ion Ratio Lower Upper
101 100
103 64.8 51.9 77.9





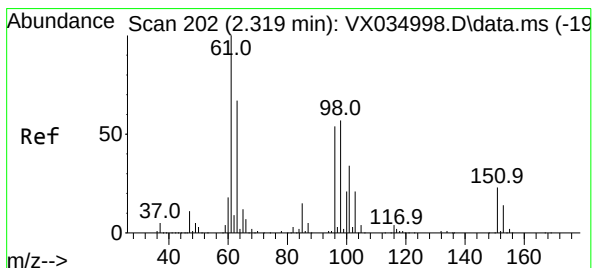
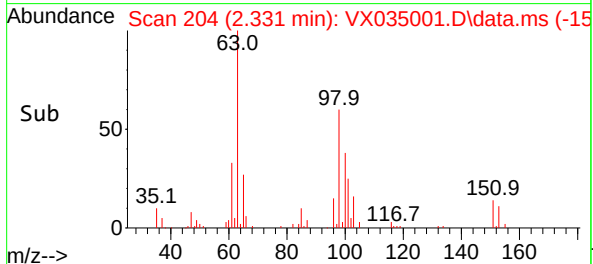
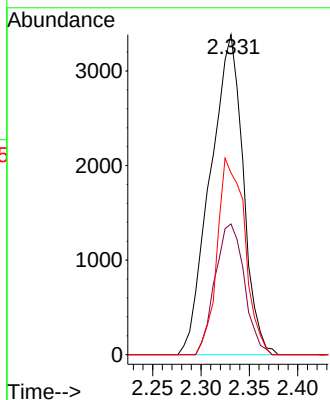
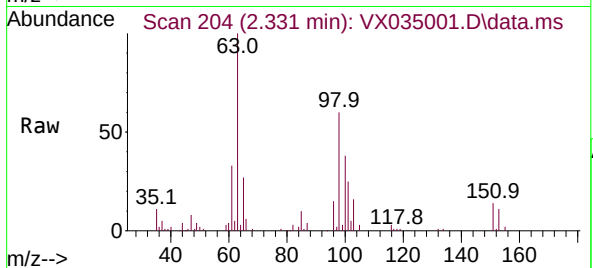
#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.431 ug/L
 RT: 2.331 min Scan# 204
 Delta R.T. 0.000 min
 Lab File: VX035001.D
 Acq: 11 Apr 2023 11:02

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT2-2023-04

Tgt Ion: 101 Resp: 798
 Ion Ratio Lower Upper
 101 100
 85 36.3 36.4 54.6
 151 51.5 59.7 89.5

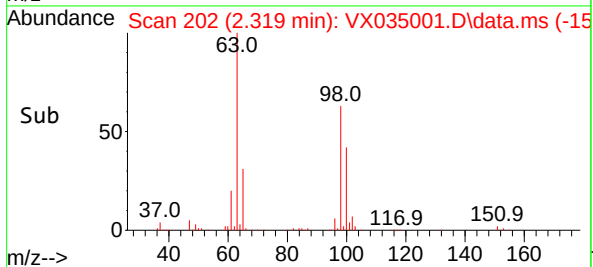
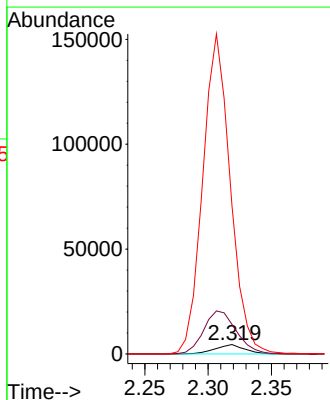
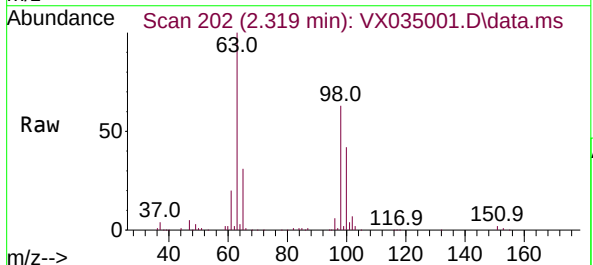
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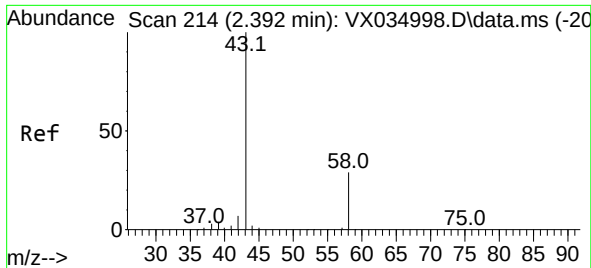
Reviewed By : John Carlone 04/12/2023
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#12
 1,1-Dichloroethene
 Concen: 2.459 ug/L
 RT: 2.319 min Scan# 202
 Delta R.T. 0.000 min
 Lab File: VX035001.D
 Acq: 11 Apr 2023 11:02

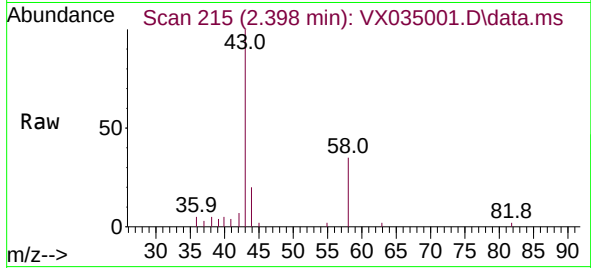
Tgt Ion: 96 Resp: 7189
 Ion Ratio Lower Upper
 96 100
 61 316.1 132.4 245.8#
 63 1583.2 105.5 195.9#





#13
Acetone
Concen: 4.278 ug/L
RT: 2.398 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

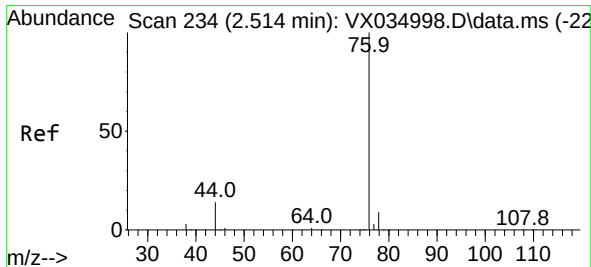
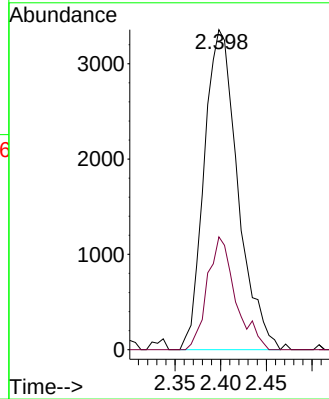
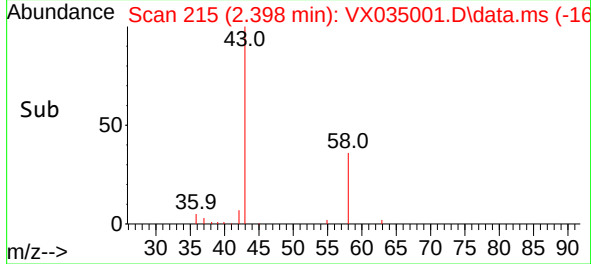
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT2-2023-04



Tgt Ion: 43 Resp: 861
Ion Ratio Lower Upper
43 100
58 29.4 0.0 57.4

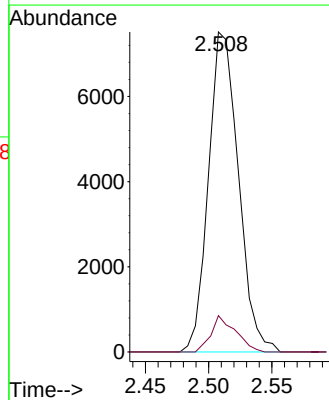
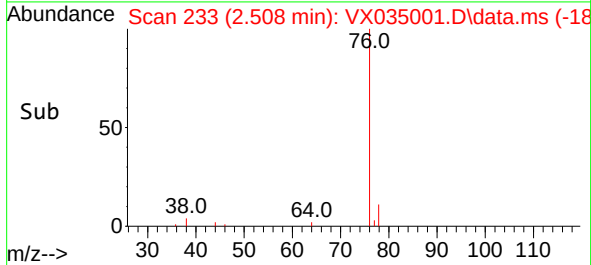
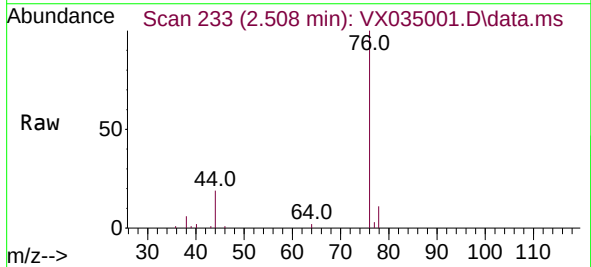
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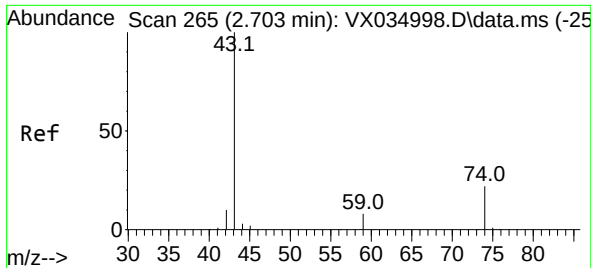
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#14
Carbon disulfide
Concen: 1.577 ug/L
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Tgt Ion: 76 Resp: 12392
Ion Ratio Lower Upper
76 100
78 11.3 7.4 11.2#





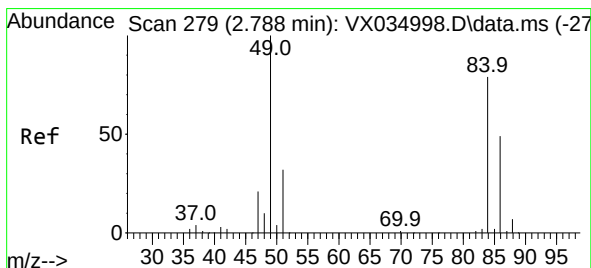
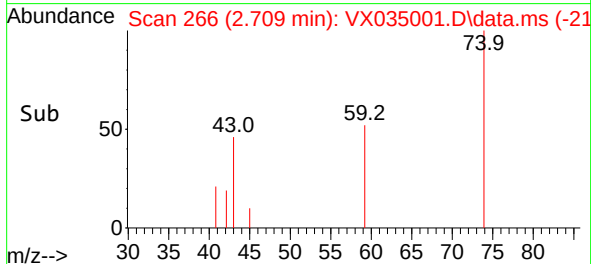
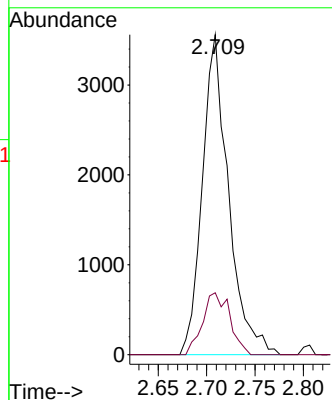
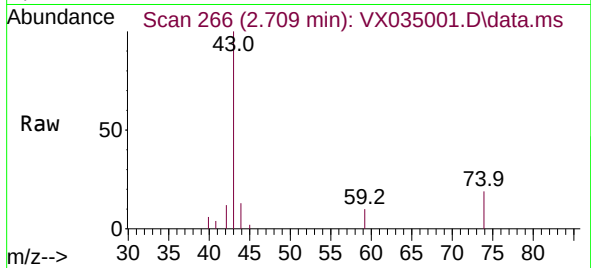
#15
Methyl Acetate
Concen: 1.941 ug/L
RT: 2.709 min Scan# 207
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04

Tgt Ion: 43 Resp: 670
Ion Ratio Lower Upper
43 100
74 20.1 17.5 26.3

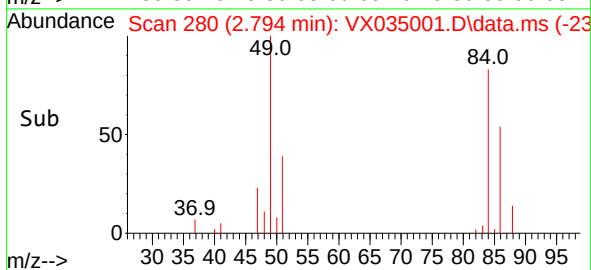
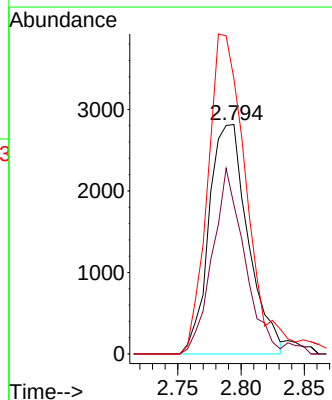
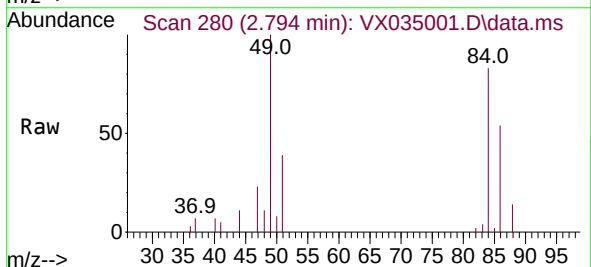
Manual Integrations
APPROVED

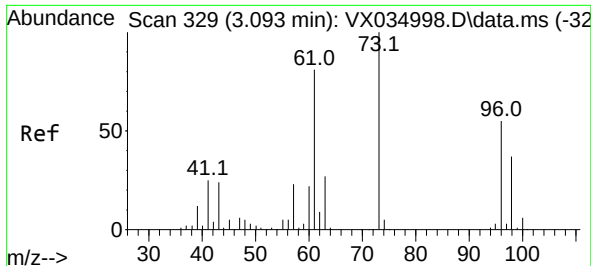
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#16
Methylene chloride
Concen: 1.886 ug/L
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Tgt Ion: 84 Resp: 6049
Ion Ratio Lower Upper
84 100
86 64.9 44.7 82.9
49 119.8 92.3 171.5





#17

trans-1,2-Dichloroethene

Concen: 1.642 ug/L

RT: 3.093 min Scan# 329

Delta R.T. 0.000 min

Lab File: VX035001.D

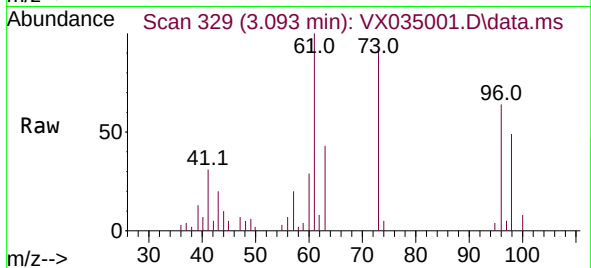
Acq: 11 Apr 2023 11:02

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2023-04



Tgt Ion: 96 Resp: 4938

Ion Ratio Lower Upper

96 100

61 155.8 102.0 189.4

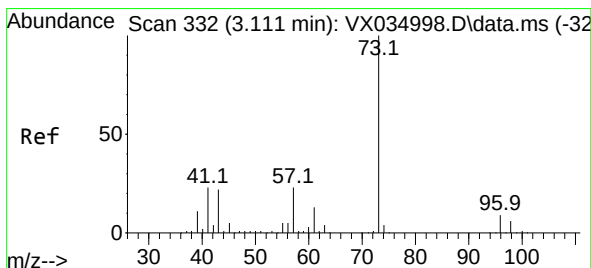
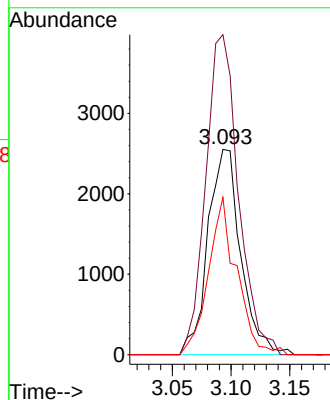
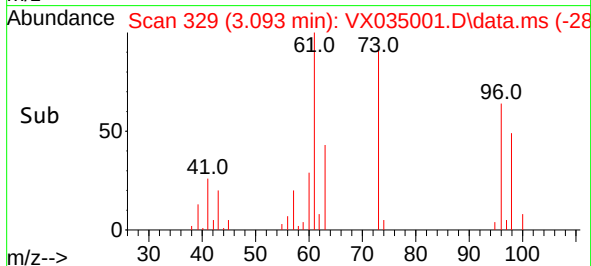
98 76.6 44.2 82.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/12/2023

Supervised By :Semsettin Yesilyurt 04/12/2023



#18

Methyl tert-butyl Ether

Concen: 1.812 ug/L

RT: 3.111 min Scan# 332

Delta R.T. 0.000 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

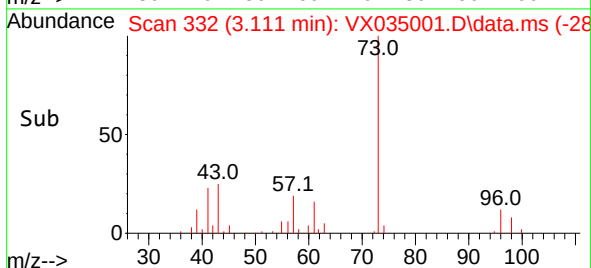
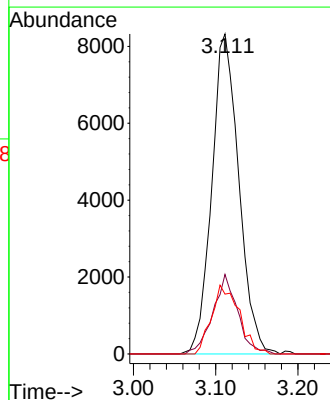
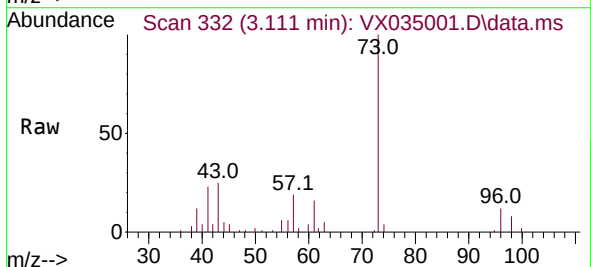
Tgt Ion: 73 Resp: 19039

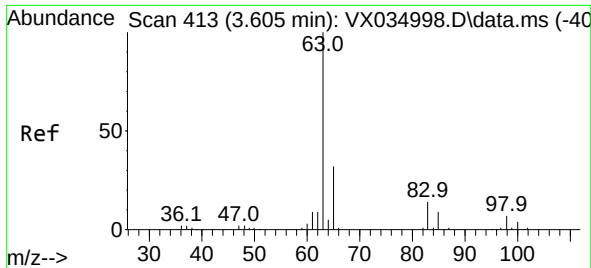
Ion Ratio Lower Upper

73 100

43 22.7 18.2 27.2

57 21.8 17.7 26.5





#19

1,1-Dichloroethane

Concen: 1.744 ug/L

RT: 3.605 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2023-04

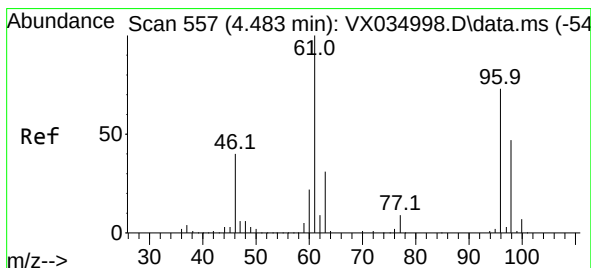
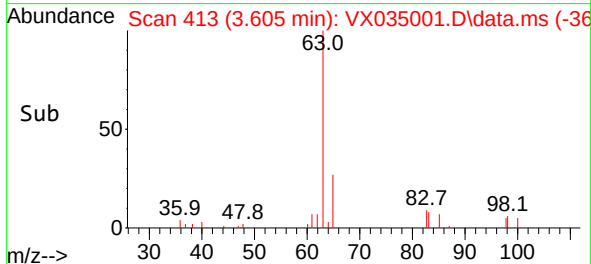
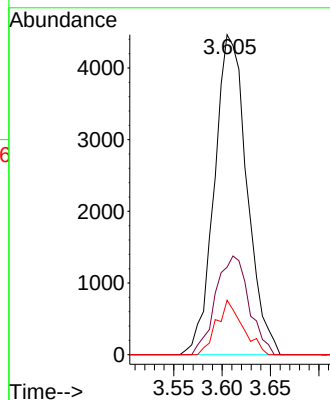
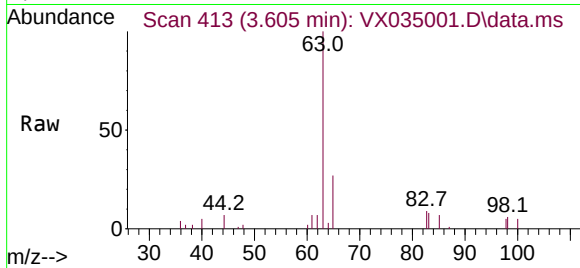
Tgt Ion: 63	Resp: 10439
Ion Ratio	Lower Upper
63	100
65	27.3 22.1 41.1
83	17.0 9.7 17.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/12/2023

Supervised By :Semsettin Yesilyurt 04/12/2023



#20

cis-1,2-Dichloroethene

Concen: 1.760 ug/L

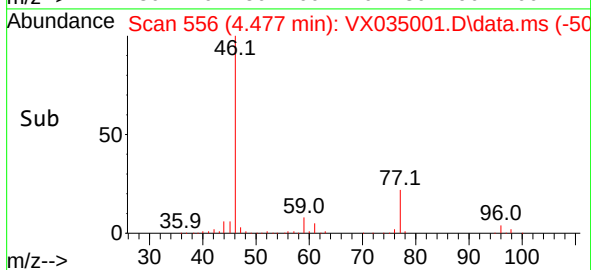
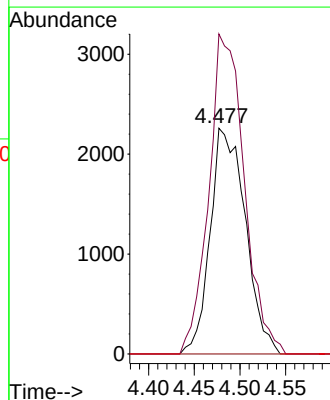
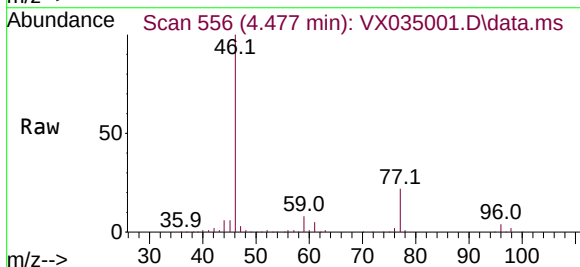
RT: 4.477 min Scan# 556

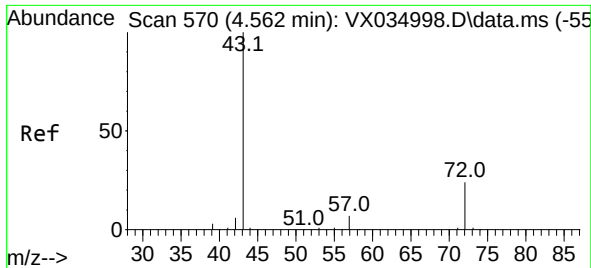
Delta R.T. -0.006 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

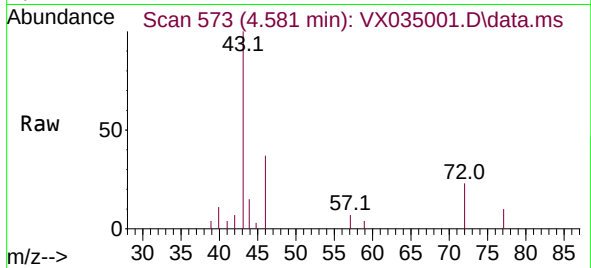
Tgt Ion: 96	Resp: 6054
Ion Ratio	Lower Upper
96	100
61	141.7 95.7 177.7
68	0.0 0.0 0.0





#22
2-Butanone
Concen: 3.879 ug/L m
RT: 4.581 min Scan# 51
Delta R.T. 0.019 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

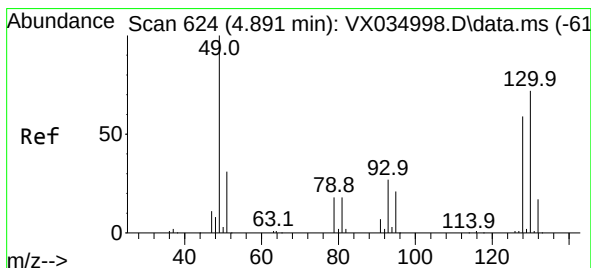
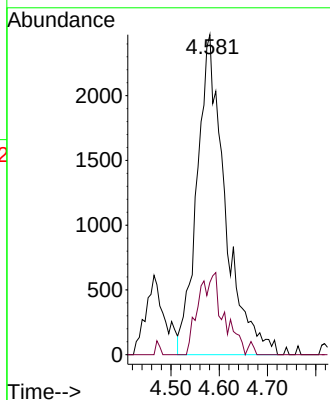
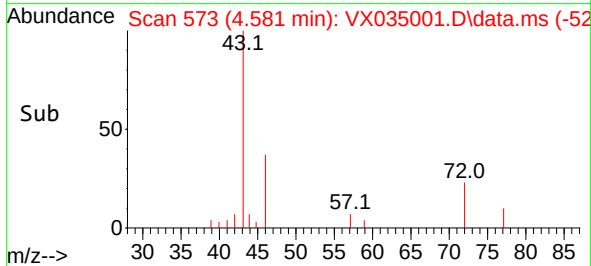
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04



Tgt Ion: 43 Resp: 997
Ion Ratio Lower Upper
43 100
72 3.1 11.5 34.5

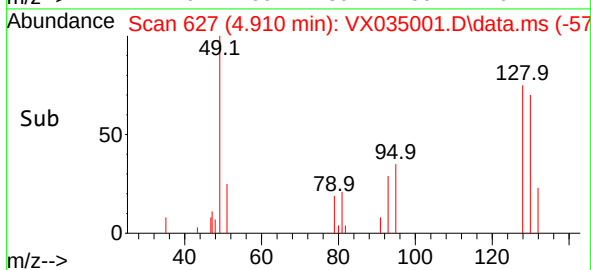
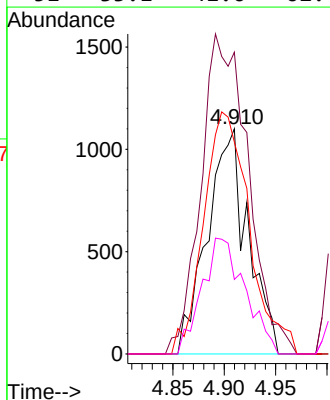
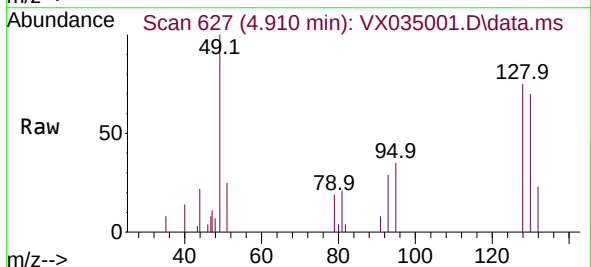
Manual Integrations
APPROVED

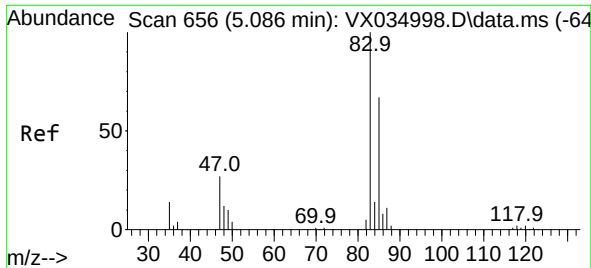
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#23
Bromochloromethane
Concen: 1.775 ug/L
RT: 4.910 min Scan# 627
Delta R.T. 0.019 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

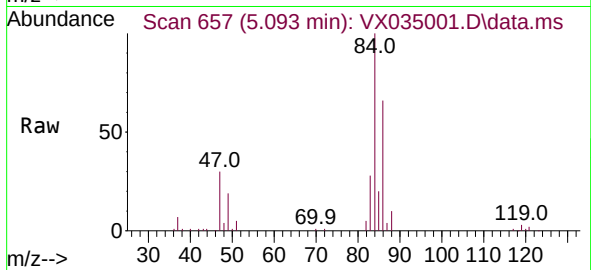
Tgt Ion:128 Resp: 3020
Ion Ratio Lower Upper
128 100
49 134.1 123.9 230.1
130 94.1 92.1 171.1
51 33.1 41.6 62.4





#25
Chloroform
Concen: 2.505 ug/L
RT: 5.093 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

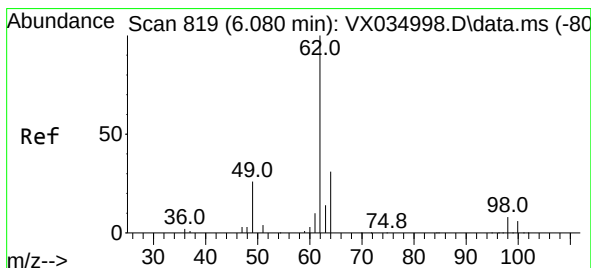
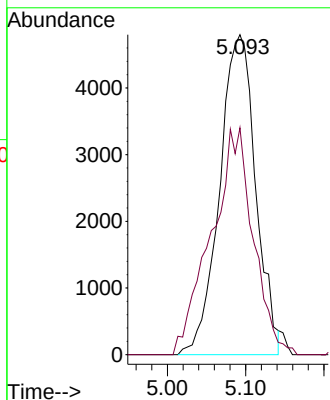
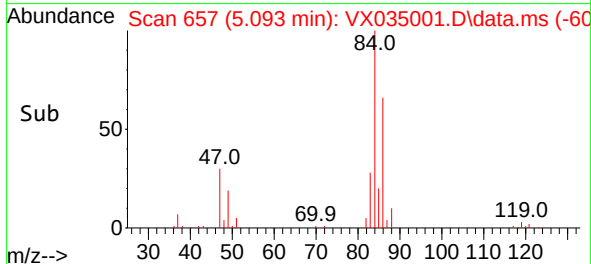
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04



Tgt Ion: 83 Resp: 15380
Ion Ratio Lower Upper
83 100
85 70.9 45.1 83.9

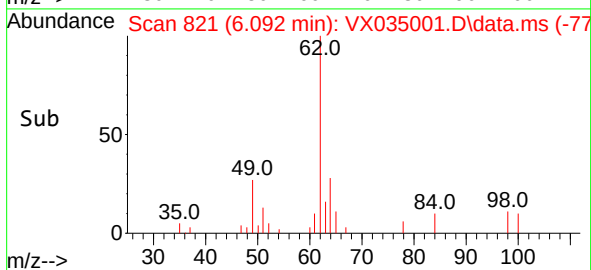
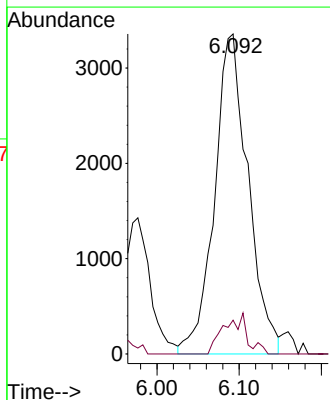
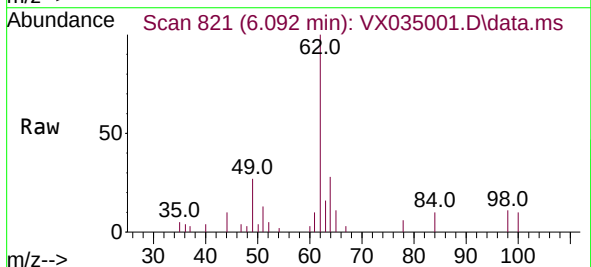
Manual Integrations
APPROVED

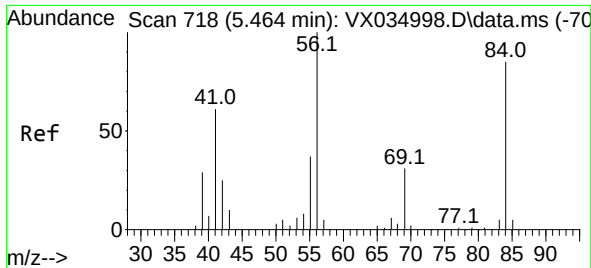
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#27
1,2-Dichloroethane
Concen: 1.832 ug/L
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

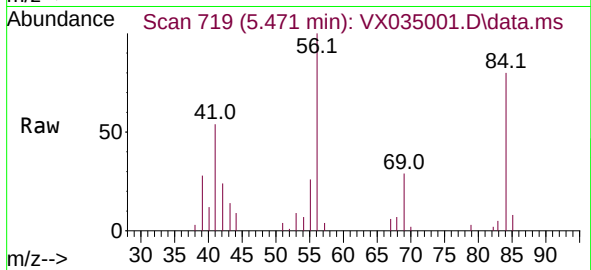
Tgt Ion: 62 Resp: 9528
Ion Ratio Lower Upper
62 100
98 10.5 7.0 10.6





#29
Cyclohexane
Concen: 1.778 ug/L
RT: 5.471 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

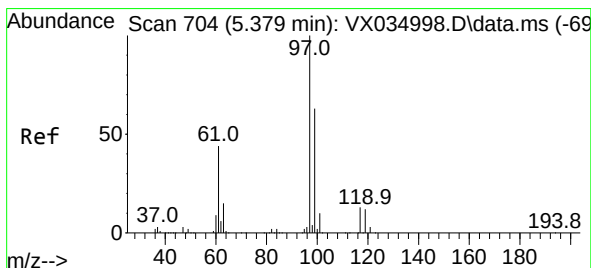
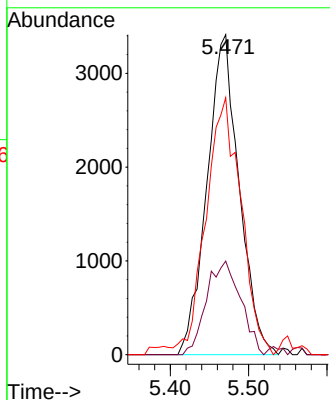
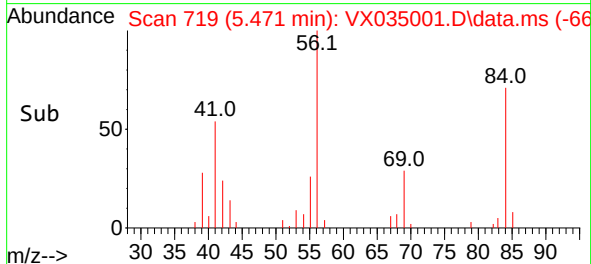
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04



Tgt Ion: 56 Resp: 9725
Ion Ratio Lower Upper
56 100
69 19.5 24.5 36.7
84 87.4 69.4 104.2

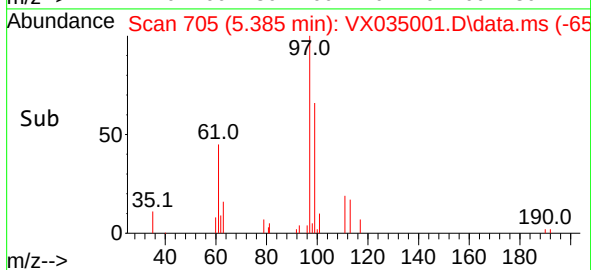
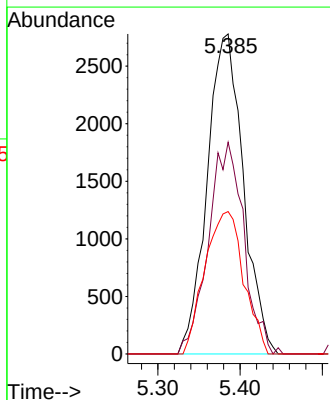
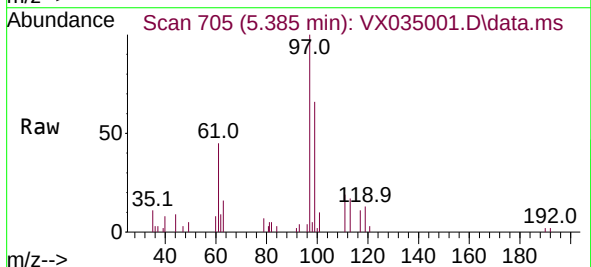
Manual Integrations
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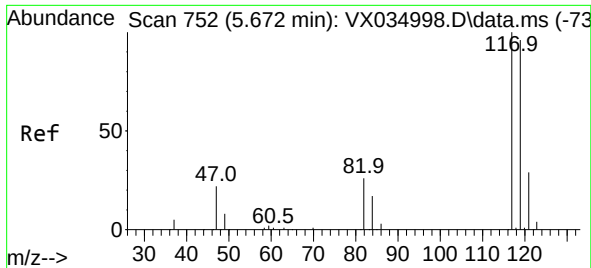
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#30
1,1,1-Trichloroethane
Concen: 1.616 ug/L
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Tgt Ion: 97 Resp: 8502
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.4
61 47.9 36.8 55.2





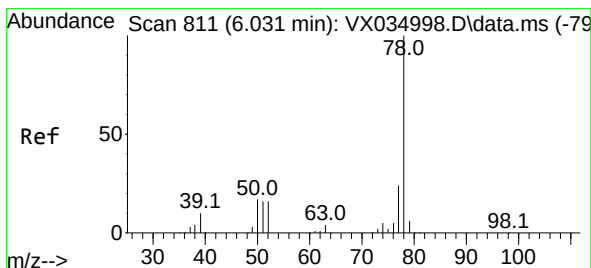
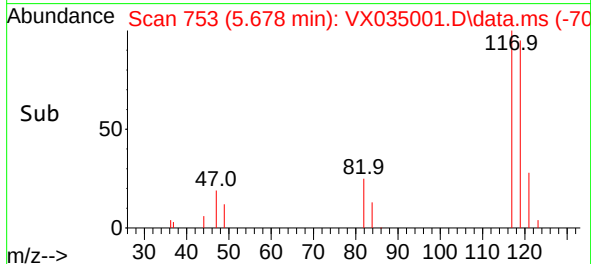
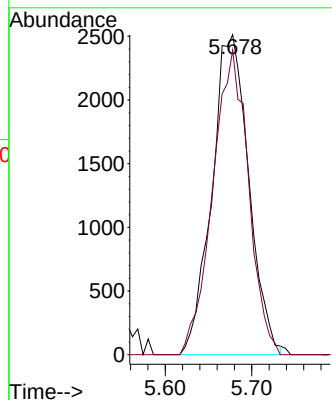
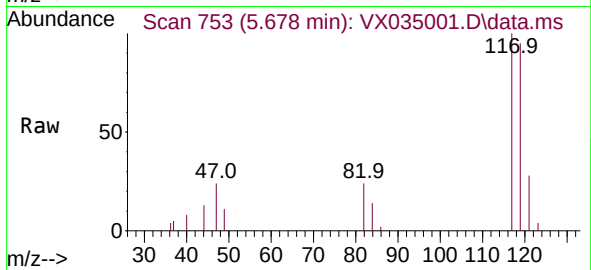
#31
Carbon tetrachloride
Concen: 1.637 ug/L
RT: 5.678 min Scan# 711
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04

Tgt Ion:117 Resp: 7424
Ion Ratio Lower Upper
117 100
119 92.3 76.7 115.1

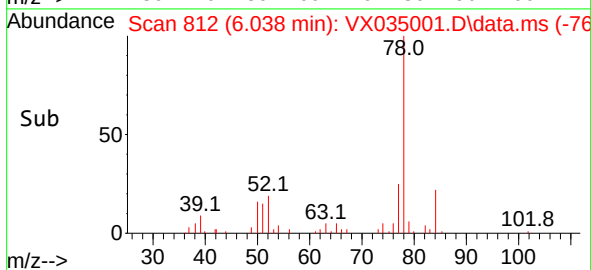
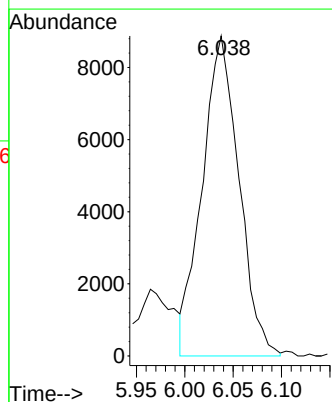
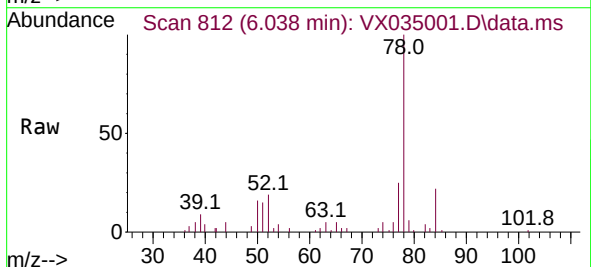
Manual Integrations
APPROVED

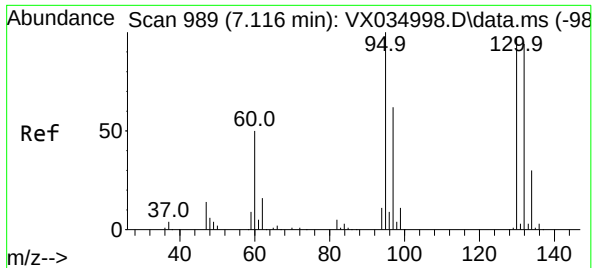
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#33
Benzene
Concen: 1.848 ug/L
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Tgt Ion: 78 Resp: 23450





#34

Trichloroethene

Concen: 1.773 ug/L

RT: 7.123 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX035001.D

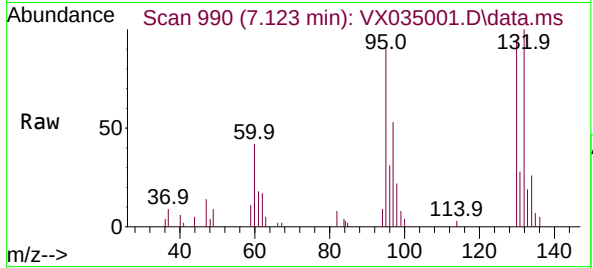
Acq: 11 Apr 2023 11:02

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2023-04



Tgt Ion: 95 Resp: 606

Ion Ratio Lower Upper

95 100

97 58.4 45.4 84.2

132 110.0 66.8 124.0

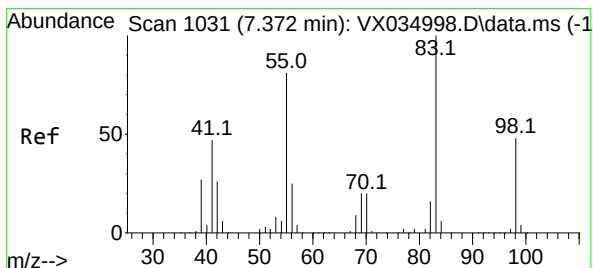
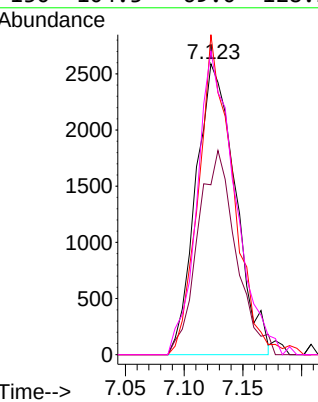
130 104.3 69.0 128.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/12/2023

Supervised By :Semsettin Yesilyurt 04/12/2023



#35

Methylcyclohexane

Concen: 1.728 ug/L

RT: 7.379 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

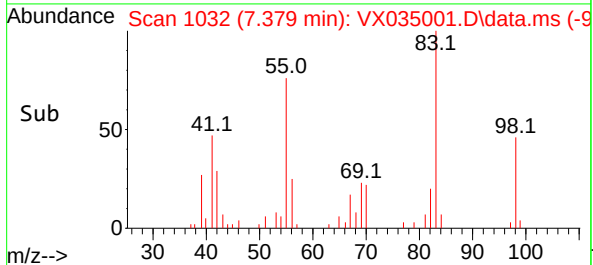
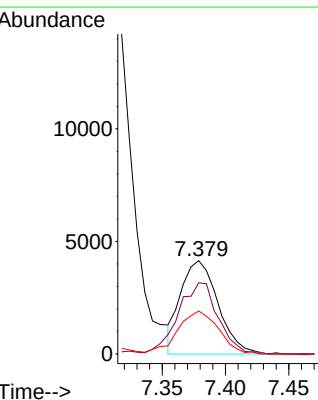
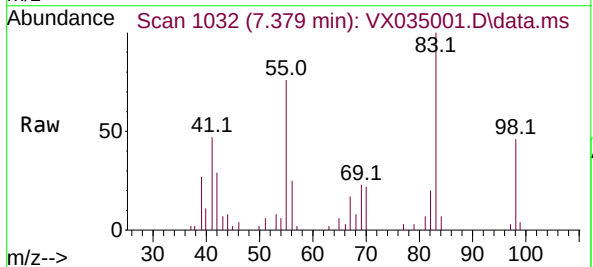
Tgt Ion: 83 Resp: 8521

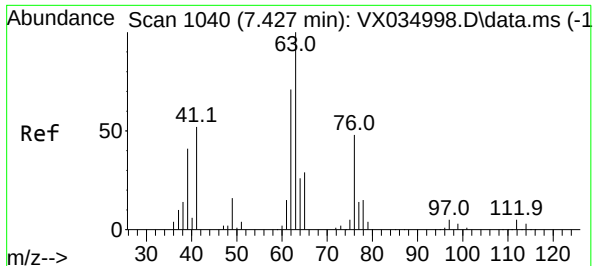
Ion Ratio Lower Upper

83 100

55 81.0 65.0 97.6

98 49.9 38.7 58.1





#37

1,2-Dichloropropane

Concen: 1.815 ug/L

RT: 7.434 min Scan# 1100

Delta R.T. 0.006 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2023-04

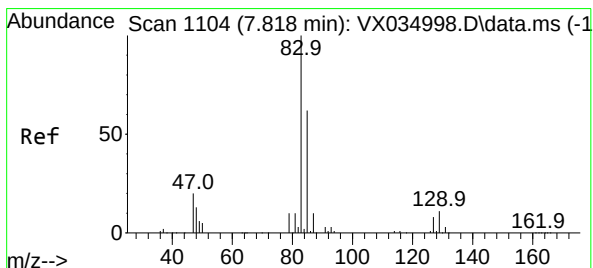
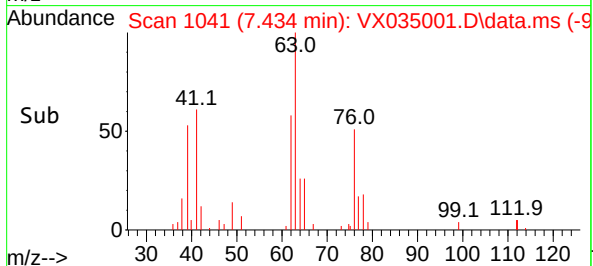
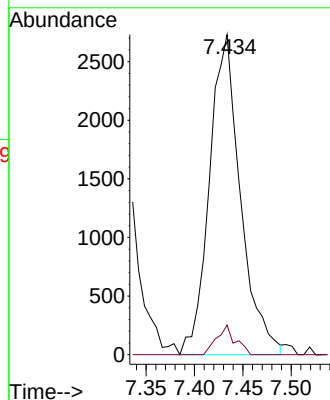
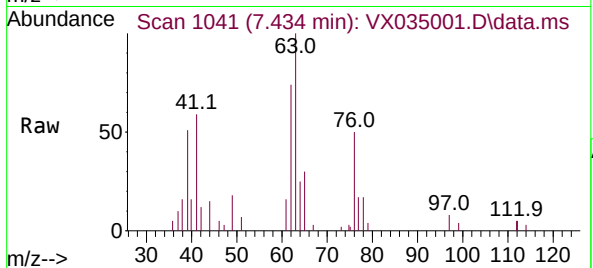
Tgt Ion: 63 Resp: 6100
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.6 5.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/12/2023

Supervised By :Semsettin Yesilyurt 04/12/2023



#38

Bromodichloromethane

Concen: 1.571 ug/L

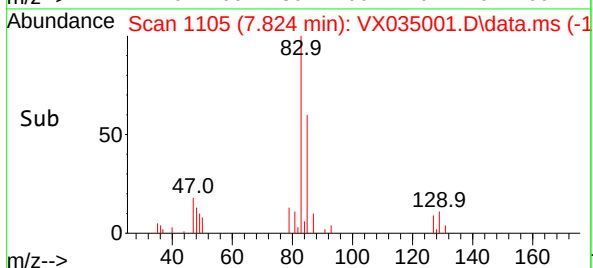
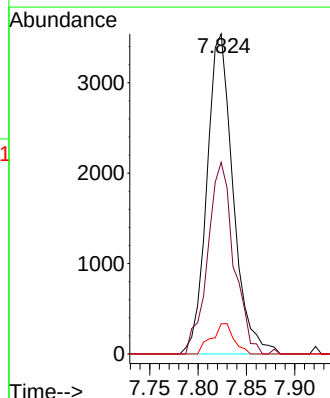
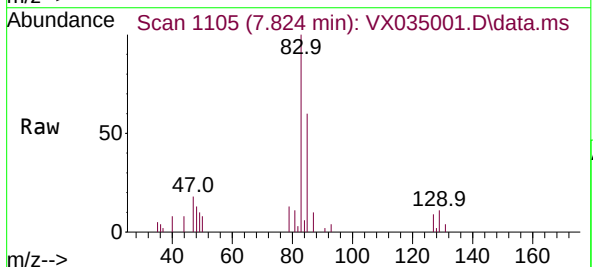
RT: 7.824 min Scan# 1105

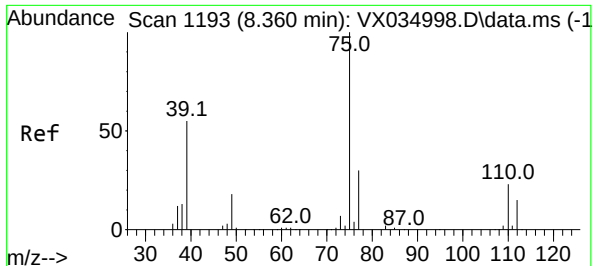
Delta R.T. 0.006 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

Tgt Ion: 83 Resp: 6682
 Ion Ratio Lower Upper
 83 100
 85 59.8 45.6 84.6
 127 9.4 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 1.654 ug/L

RT: 8.366 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2023-04

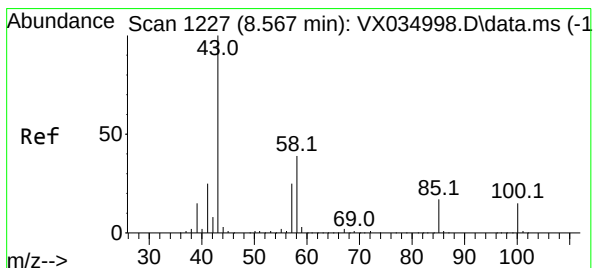
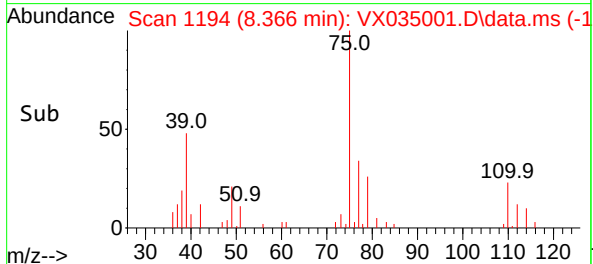
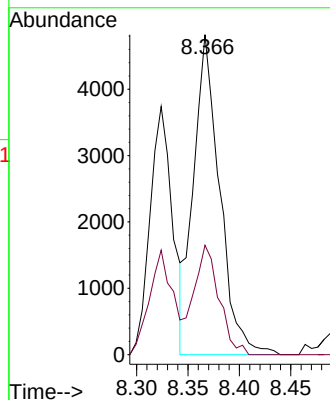
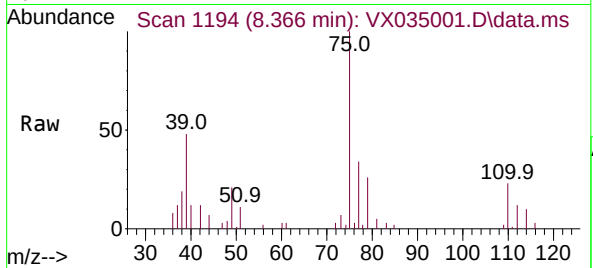
Tgt Ion: 75 Resp: 849
 Ion Ratio Lower Upper
 75 100
 77 34.2 21.9 40.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/12/2023

Supervised By :Semsettin Yesilyurt 04/12/2023



#40

4-Methyl-2-pentanone

Concen: 3.422 ug/L

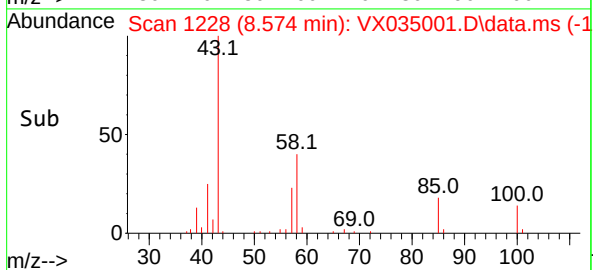
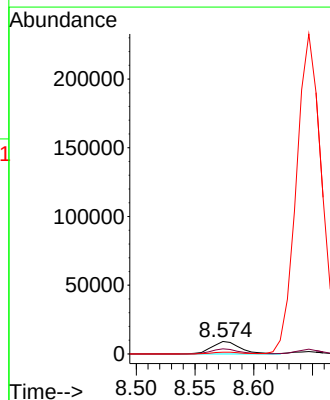
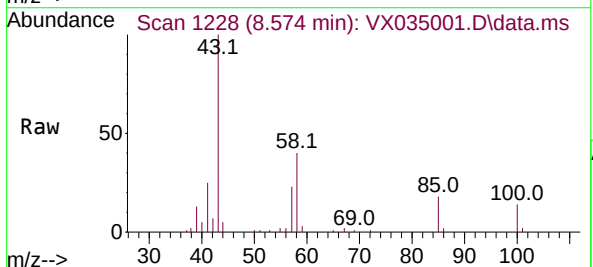
RT: 8.574 min Scan# 1228

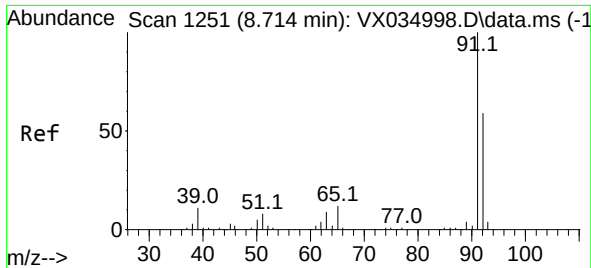
Delta R.T. 0.006 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

Tgt Ion: 43 Resp: 15285
 Ion Ratio Lower Upper
 43 100
 58 39.5 30.1 45.1
 100 14.8 11.9 17.9





#42

Toluene

Concen: 1.807 ug/L

RT: 8.720 min Scan# 1251

Delta R.T. 0.006 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2023-04

Tgt Ion: 91 Resp: 2374

Ion Ratio Lower Upper

91 100

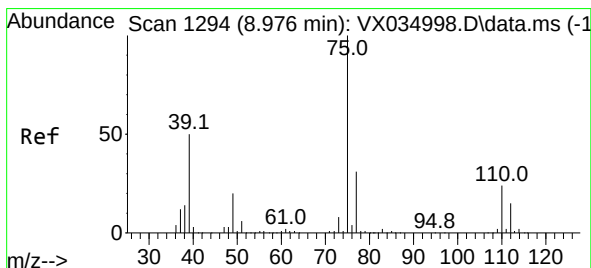
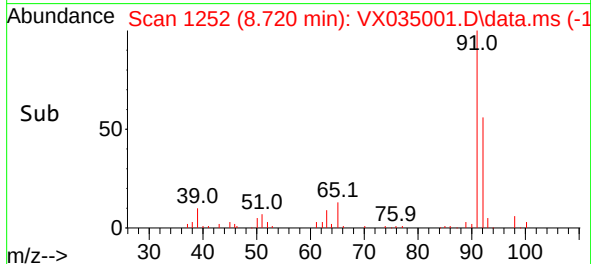
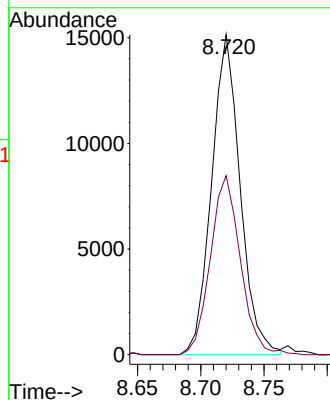
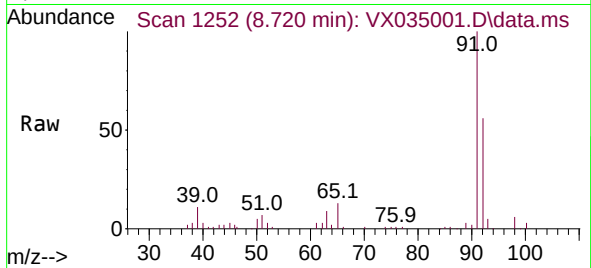
92 56.0 41.4 76.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/12/2023

Supervised By :Semsettin Yesilyurt 04/12/2023



#44

trans-1,3-Dichloropropene

Concen: 1.678 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX035001.D

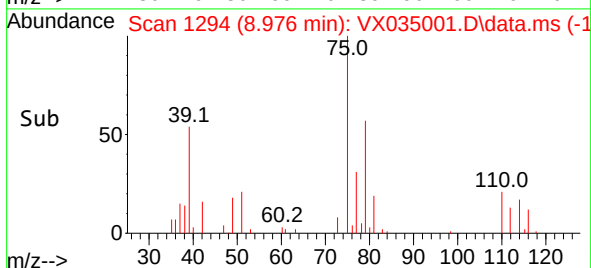
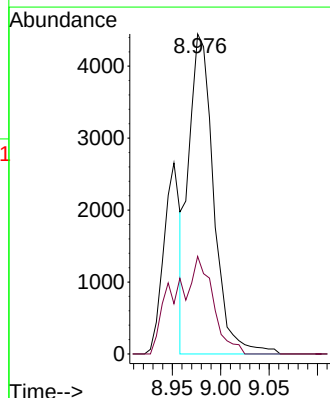
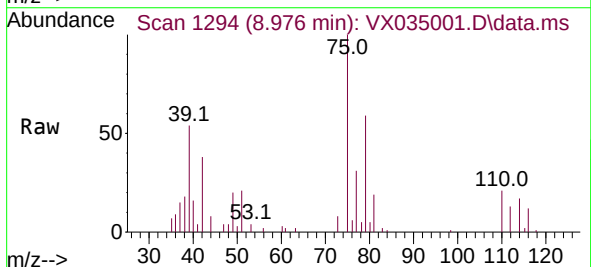
Acq: 11 Apr 2023 11:02

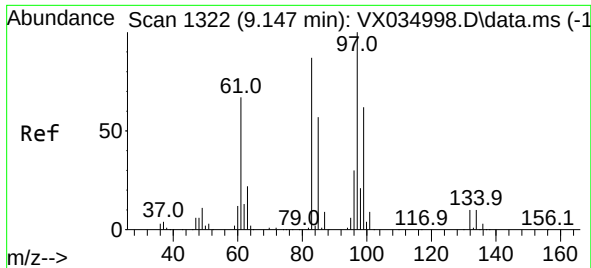
Tgt Ion: 75 Resp: 7938

Ion Ratio Lower Upper

75 100

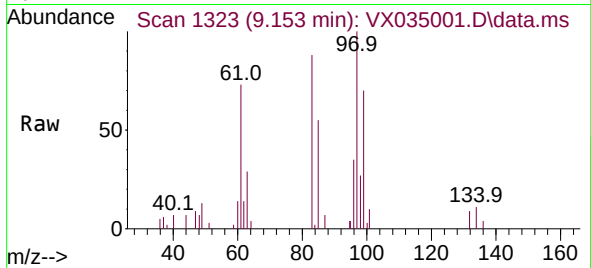
77 30.5 22.9 42.5





#45
1,1,2-Trichloroethane
Concen: 1.691 ug/L
RT: 9.153 min Scan# 1322
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

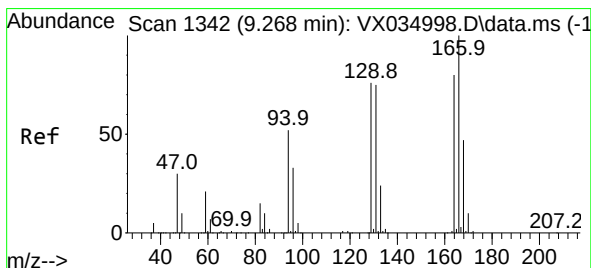
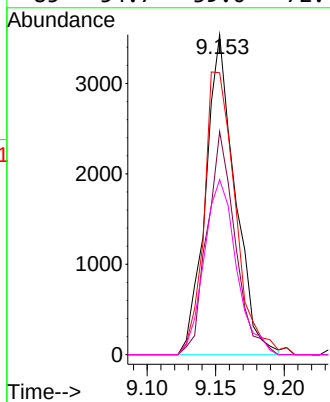
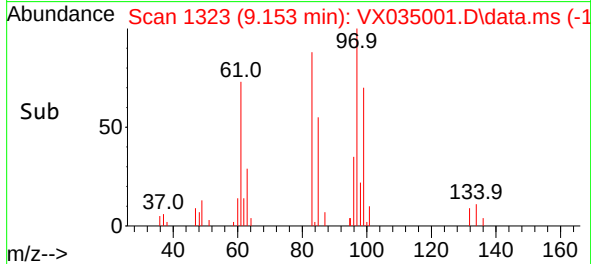
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT2-2023-04



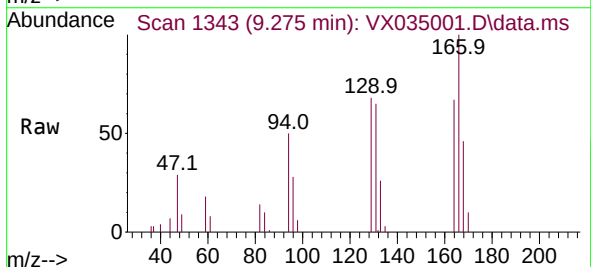
Tgt Ion	Ratio	Lower	Upper
97	100		
99	69.7	44.8	83.2
83	88.1	60.5	112.3
85	54.7	39.0	72.4

Manual Integrations
APPROVED

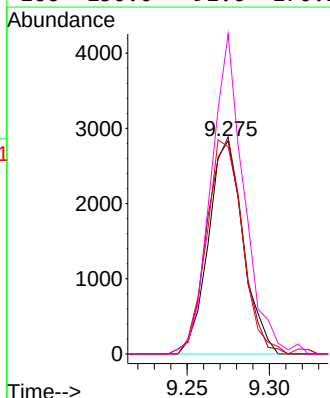
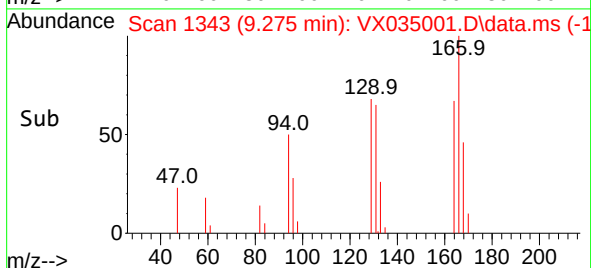
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023

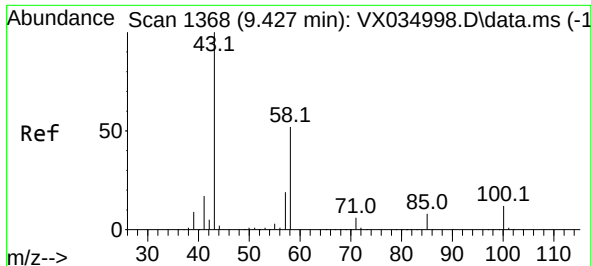


#46
Tetrachloroethene
Concen: 1.634 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02



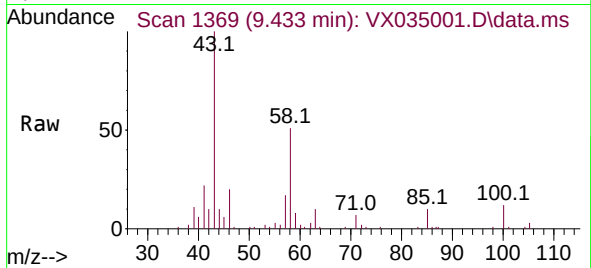
Tgt Ion	Ratio	Lower	Upper
164	100		
129	101.8	67.7	125.7
131	97.2	65.8	122.2
166	150.0	91.6	170.2





#48
2-Hexanone
Concen: 4.189 ug/L
RT: 9.433 min Scan# 1368
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

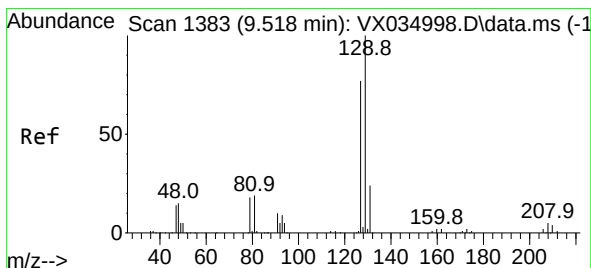
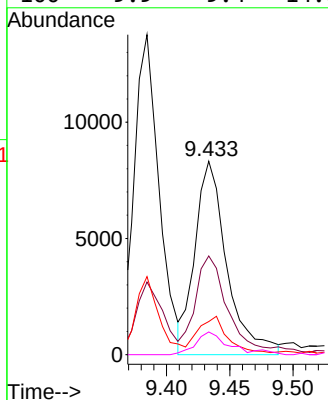
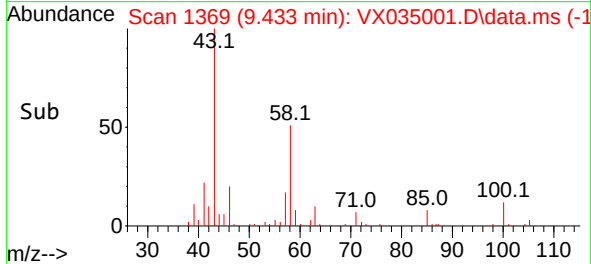
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT2-2023-04



Tgt Ion: 43 Resp: 1466
Ion Ratio Lower Upper
43 100
58 45.6 42.1 63.1
57 18.7 15.0 22.6
100 9.9 9.4 14.0

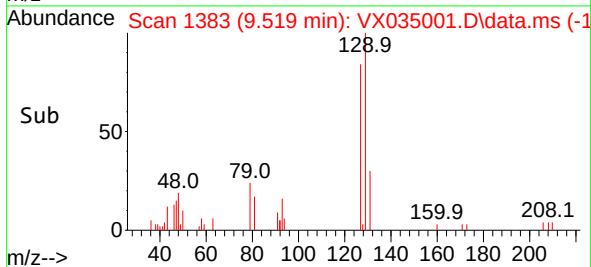
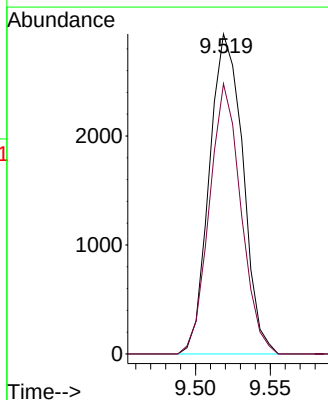
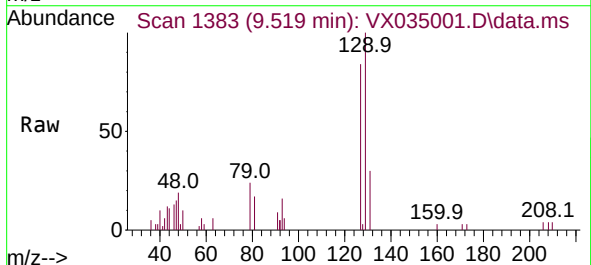
Manual Integrations
APPROVED

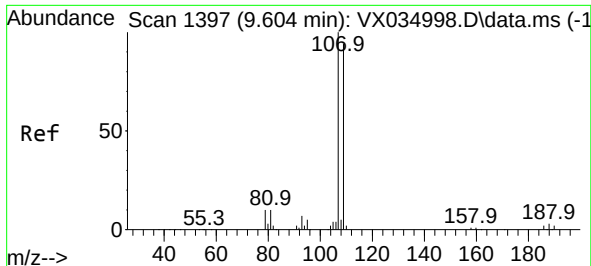
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#49
Dibromochloromethane
Concen: 1.483 ug/L
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

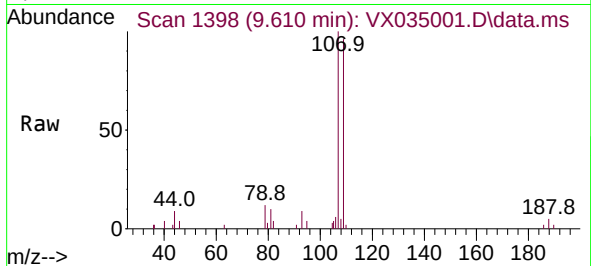
Tgt Ion:129 Resp: 4574
Ion Ratio Lower Upper
129 100
127 87.1 55.0 102.2





#50
1,2-Dibromoethane
Concen: 1.751 ug/L
RT: 9.610 min Scan# 1397
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

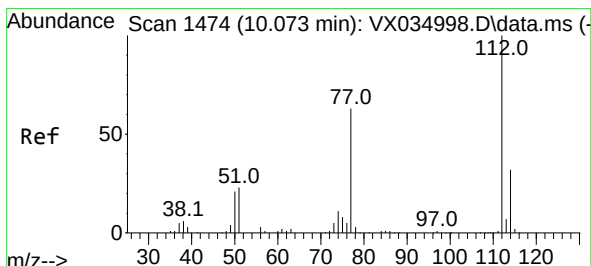
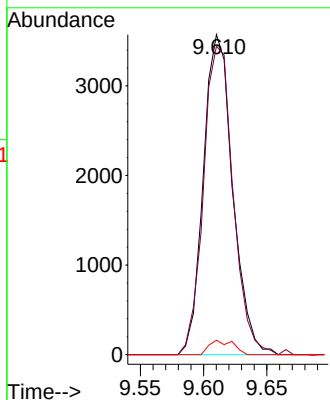
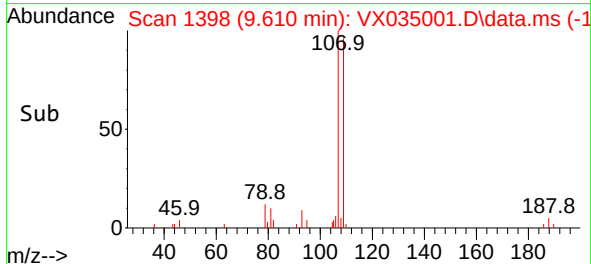
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04



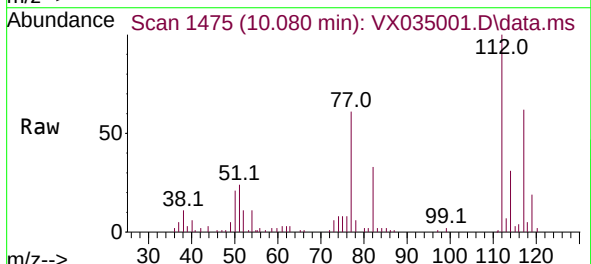
Tgt Ion:107 Resp: 5760
Ion Ratio Lower Upper
107 100
109 96.4 65.4 121.4
188 4.5 2.7 4.1

Manual Integrations
APPROVED

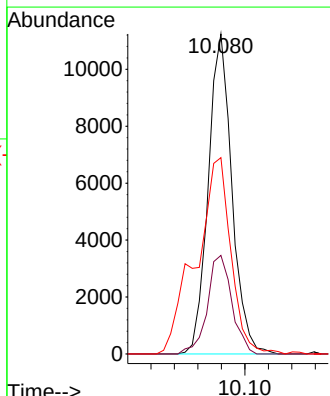
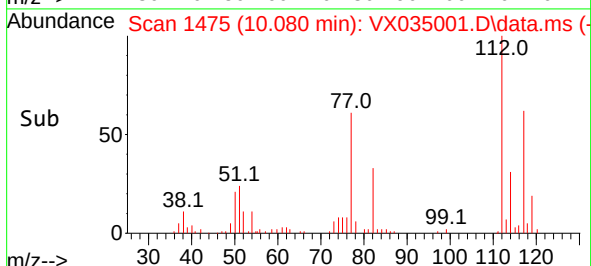
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023

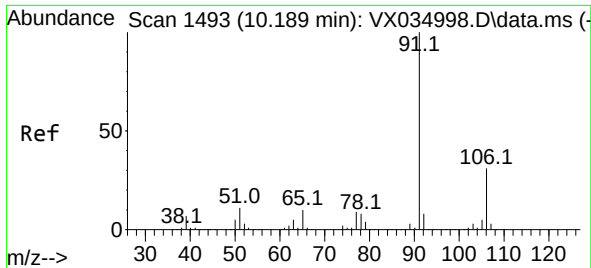


#51
Chlorobenzene
Concen: 1.853 ug/L
RT: 10.080 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02



Tgt Ion:112 Resp: 15695
Ion Ratio Lower Upper
112 100
114 30.8 22.6 42.0
77 61.4 48.8 73.2





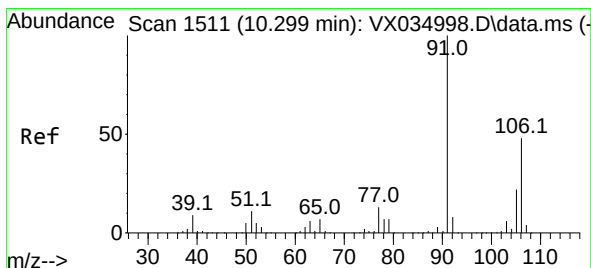
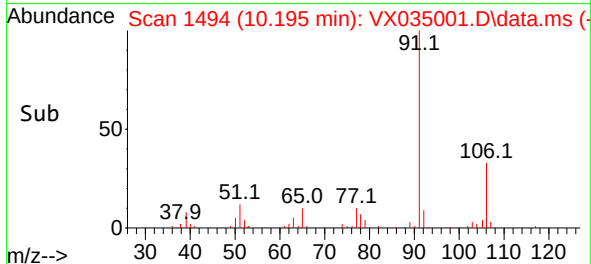
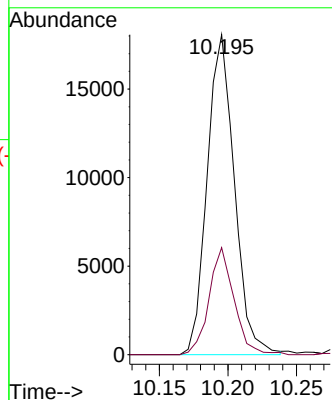
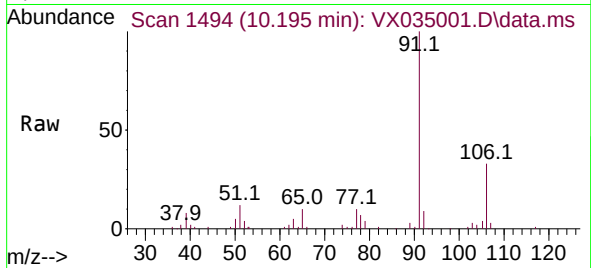
#52
Ethylbenzene
Concen: 1.675 ug/L
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04

Tgt Ion: 91 Resp: 24980
Ion Ratio Lower Upper
91 100
106 33.5 21.3 39.6

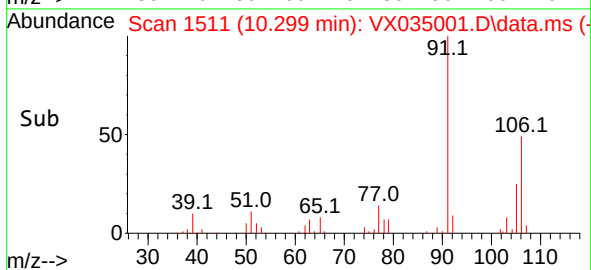
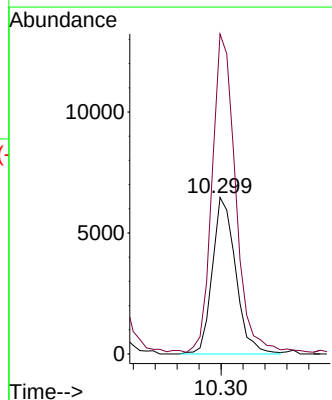
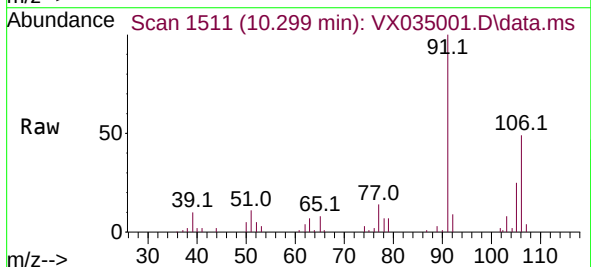
Manual Integrations
APPROVED

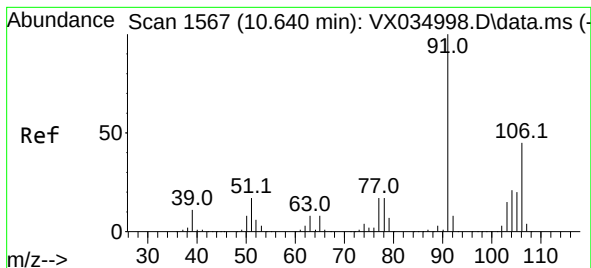
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#53
m,p-Xylene
Concen: 1.700 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Tgt Ion:106 Resp: 9549
Ion Ratio Lower Upper
106 100
91 204.4 146.4 272.0





#54

o-Xylene

Concen: 1.676 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2023-04

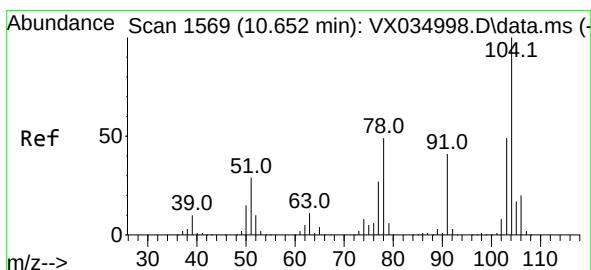
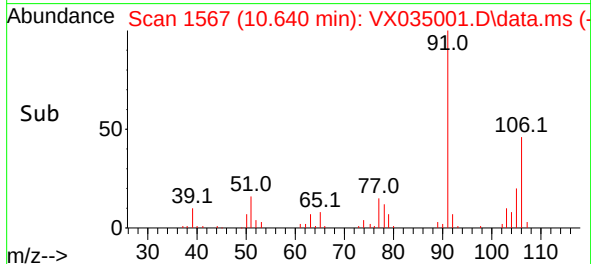
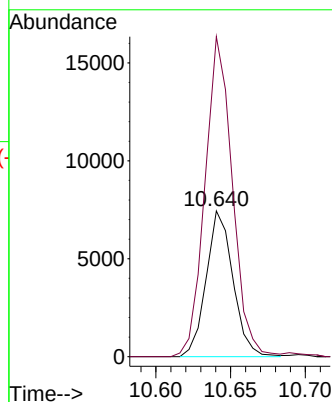
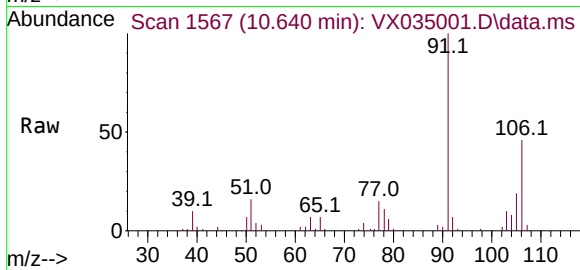
Tgt Ion:106 Resp: 9279
 Ion Ratio Lower Upper
 106 100
 91 219.6 154.0 286.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/12/2023

Supervised By :Semsettin Yesilyurt 04/12/2023



#55

Styrene

Concen: 1.554 ug/L

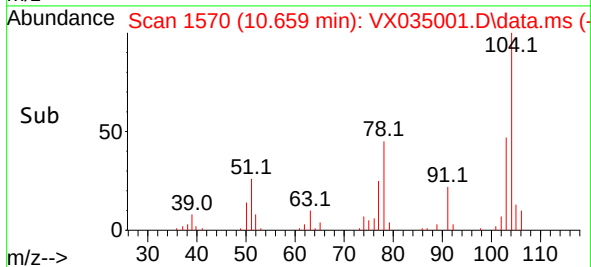
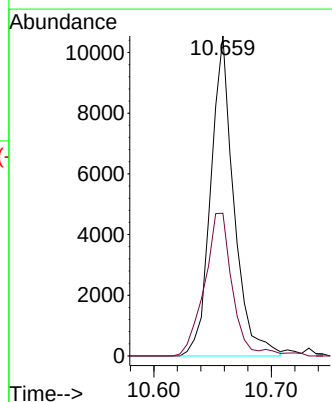
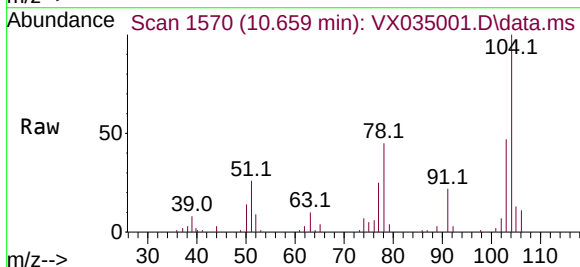
RT: 10.659 min Scan# 1570

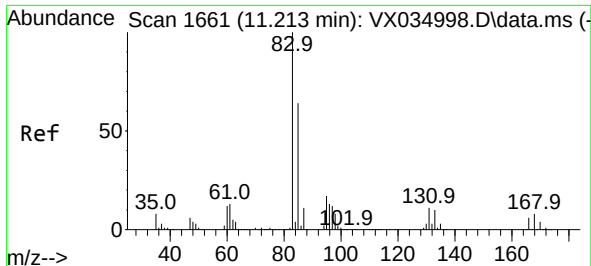
Delta R.T. 0.006 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

Tgt Ion:104 Resp: 14421
 Ion Ratio Lower Upper
 104 100
 78 44.6 35.4 65.8





#57

1,1,2,2-Tetrachloroethane

Concen: 2.021 ug/L

RT: 11.214 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2023-04

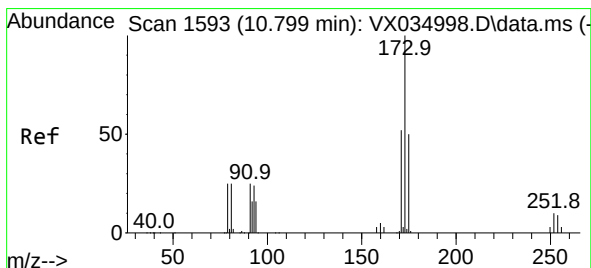
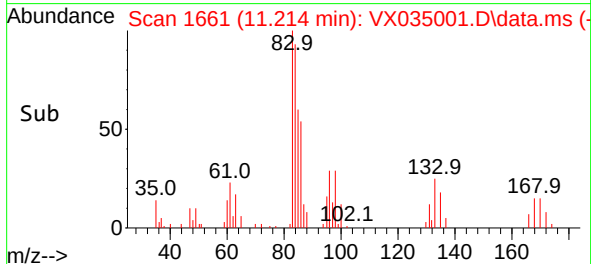
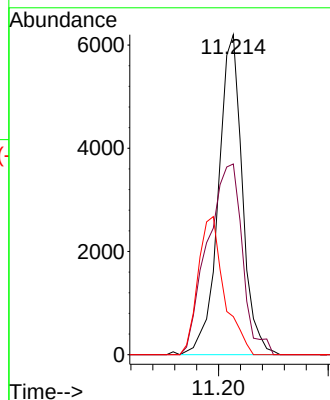
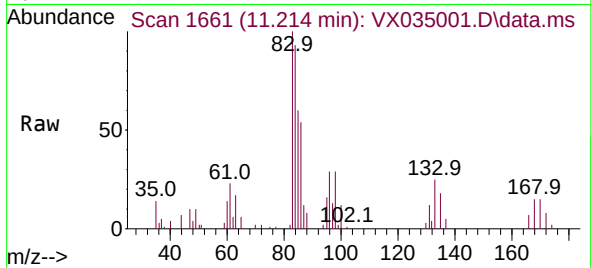
Tgt Ion:	83	Resp:	940
Ion Ratio	Lower	Upper	
83	100		
85	59.6	45.5	84.5
131	11.9	8.6	12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/12/2023

Supervised By :Semsettin Yesilyurt 04/12/2023



#59

Bromoform

Concen: 1.476 ug/L

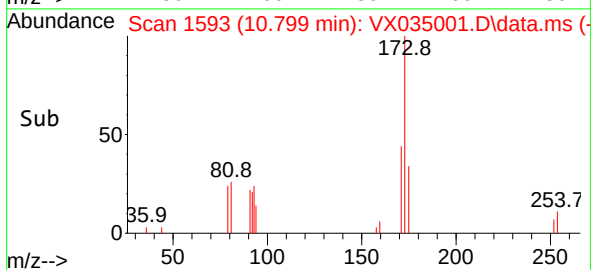
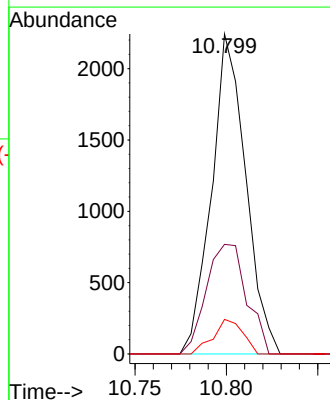
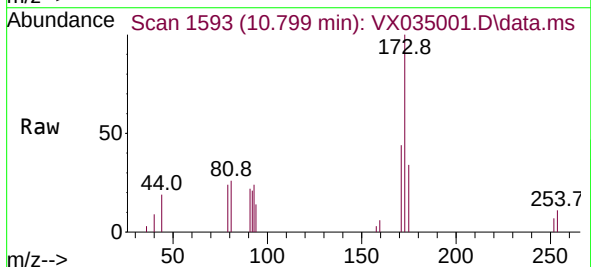
RT: 10.799 min Scan# 1593

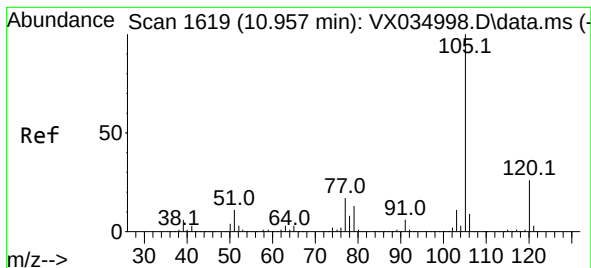
Delta R.T. 0.000 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

Tgt Ion:	173	Resp:	2916
Ion Ratio	Lower	Upper	
173	100		
175	40.5	39.0	58.4
254	9.4	7.3	10.9





#60

Isopropylbenzene

Concen: 1.764 ug/L

RT: 10.964 min Scan# 1620

Delta R.T. 0.006 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2023-04

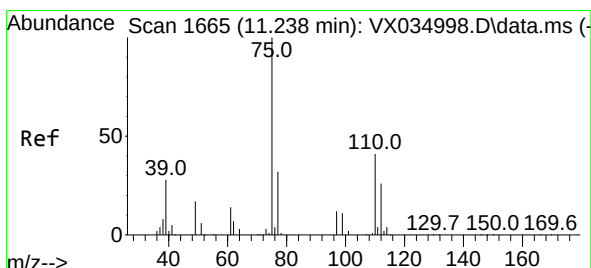
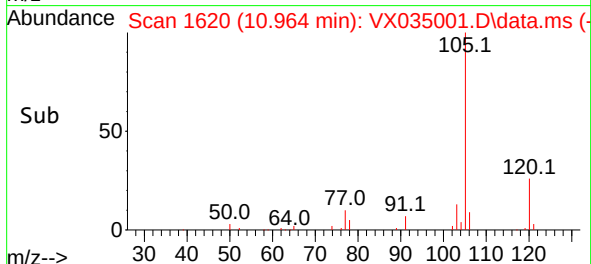
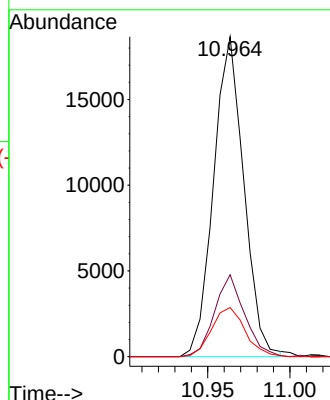
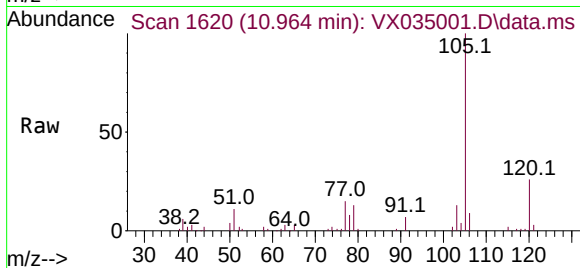
Tgt Ion:	105	Resp:	2387
Ion Ratio	Lower	Upper	
105	100		
120	25.4	21.1	31.7
77	17.0	13.3	19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/12/2023

Supervised By :Semsettin Yesilyurt 04/12/2023



#61

1,2,3-Trichloropropane

Concen: 1.981 ug/L

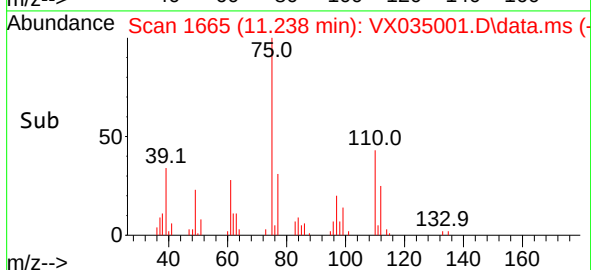
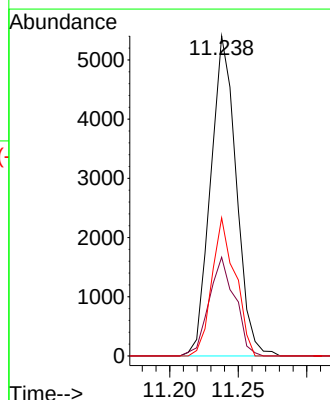
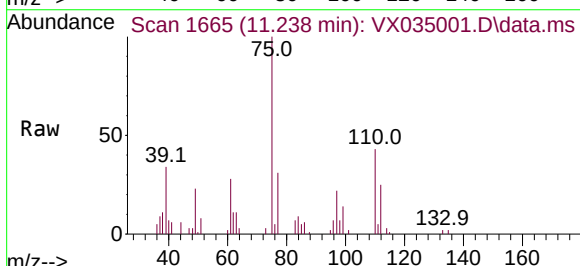
RT: 11.238 min Scan# 1665

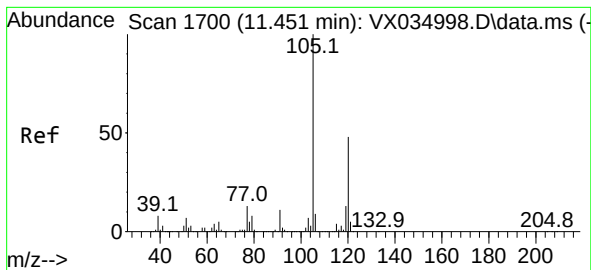
Delta R.T. 0.000 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

Tgt Ion:	75	Resp:	7041
Ion Ratio	Lower	Upper	
75	100		
77	31.2	25.3	37.9
110	39.4	31.8	47.8





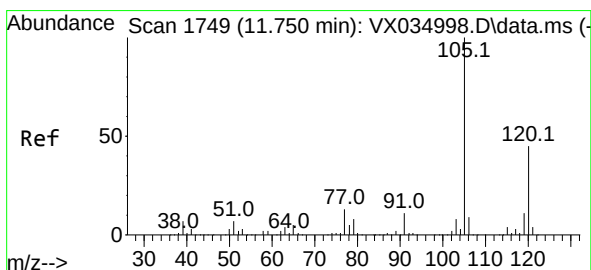
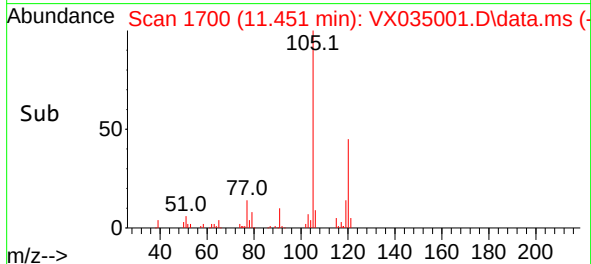
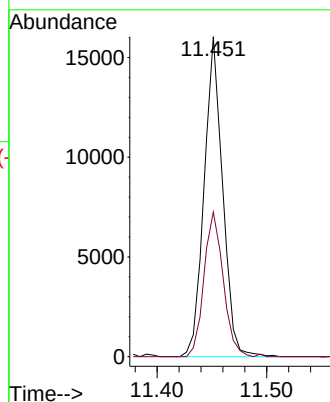
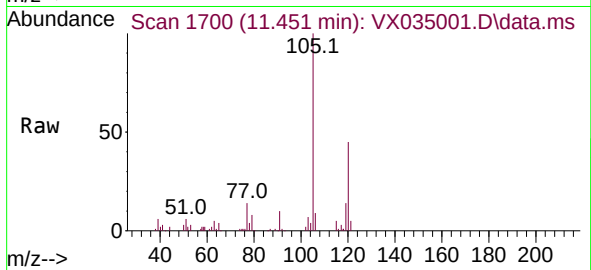
#62
1,3,5-Trimethylbenzene
Concen: 1.678 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04

Tgt Ion:105 Resp: 1882
Ion Ratio Lower Upper
105 100
120 46.8 38.0 57.0

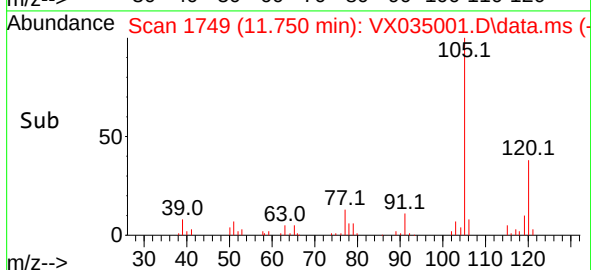
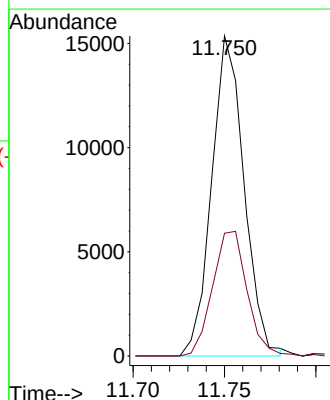
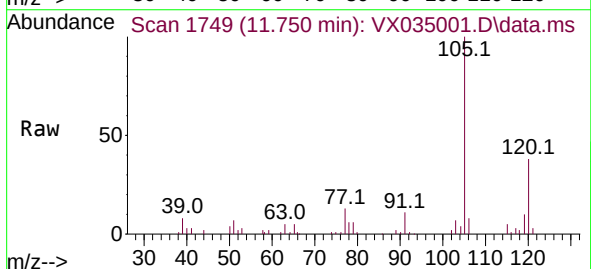
Manual Integrations
APPROVED

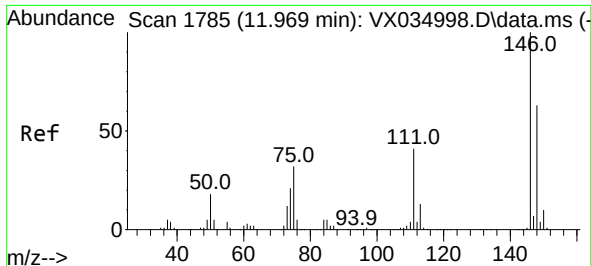
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#63
1,2,4-Trimethylbenzene
Concen: 1.709 ug/L
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

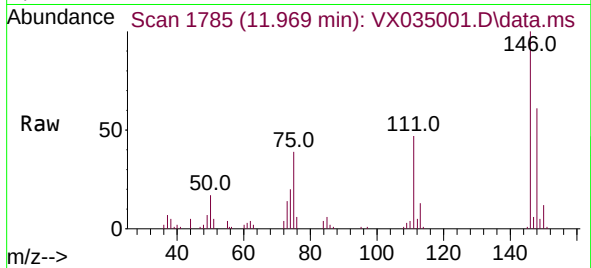
Tgt Ion:105 Resp: 18939
Ion Ratio Lower Upper
105 100
120 41.5 35.6 53.4





#64
1,3-Dichlorobenzene
Concen: 1.812 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

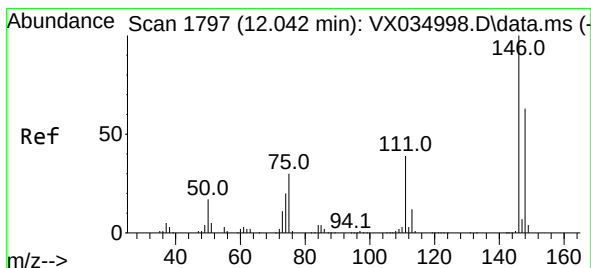
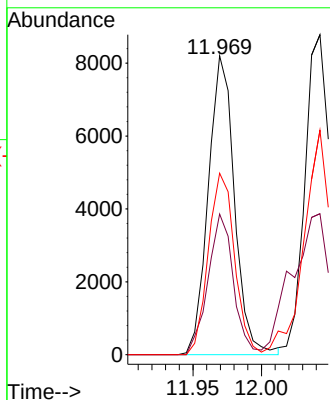
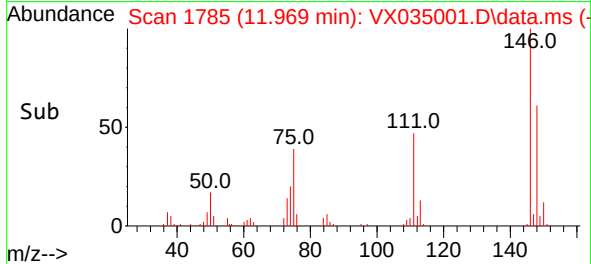
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04



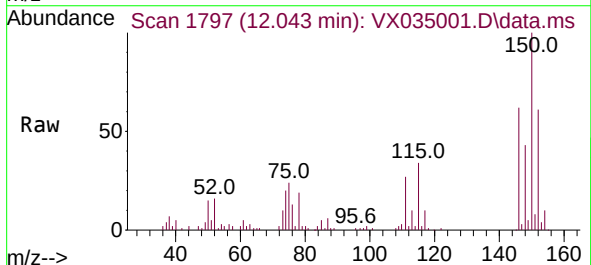
Tgt Ion:146 Resp: 1092
Ion Ratio Lower Upper
146 100
111 47.0 30.3 56.3
148 60.7 44.2 82.2

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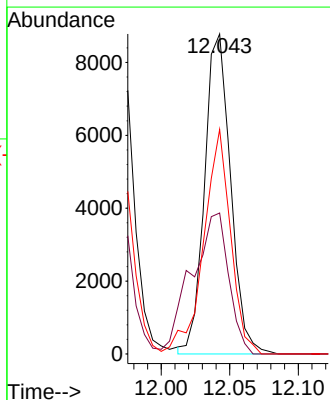
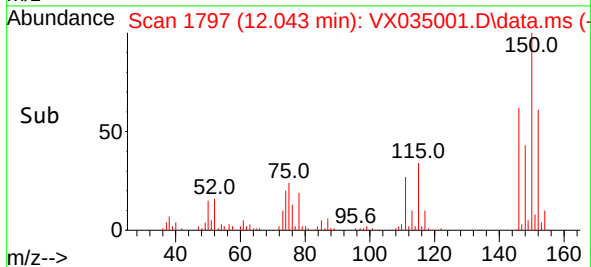
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023

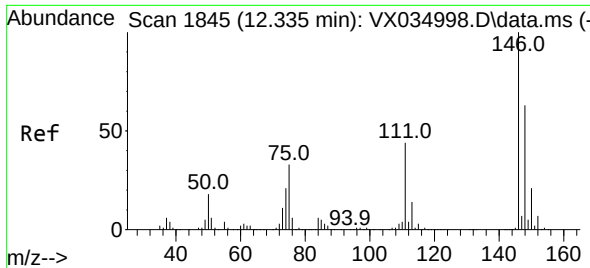


#65
1,4-Dichlorobenzene
Concen: 1.906 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02



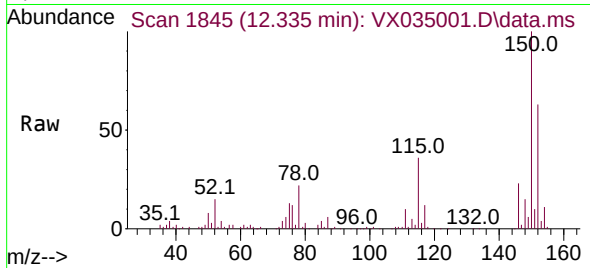
Tgt Ion:146 Resp: 11620
Ion Ratio Lower Upper
146 100
111 44.1 27.5 51.1
148 70.2 44.4 82.4





#67
1,2-Dichlorobenzene
Concen: 1.947 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

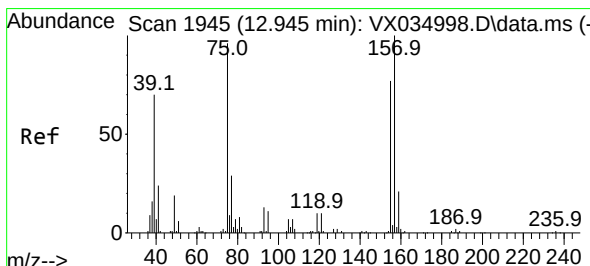
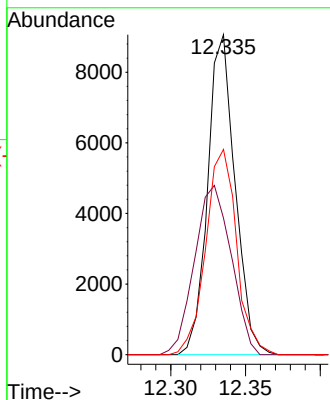
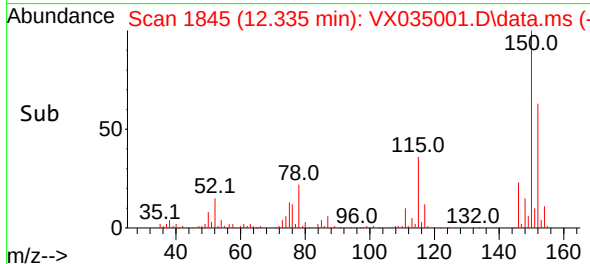
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04



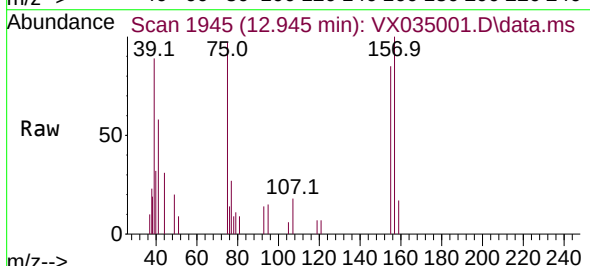
Tgt Ion:146 Resp: 1156
Ion Ratio Lower Upper
146 100
111 42.7 34.4 51.6
148 64.2 51.0 76.4

Manual Integrations
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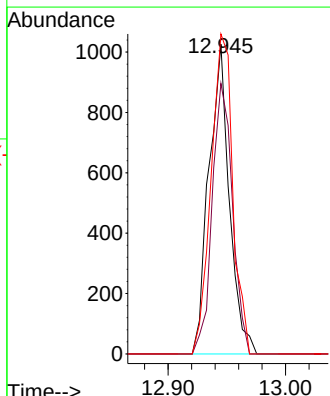
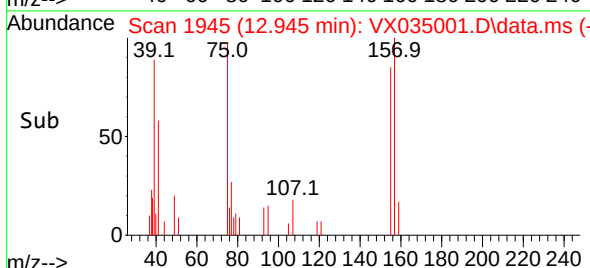
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023

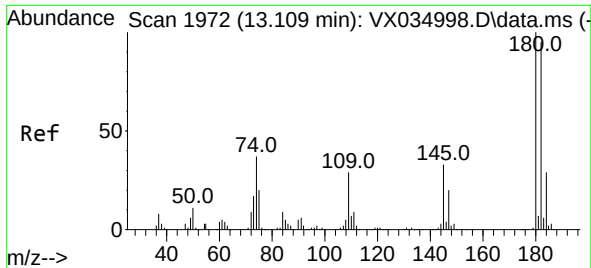


#68
1,2-Dibromo-3-chloropropane
Concen: 1.363 ug/L
RT: 12.945 min Scan# 1945
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02



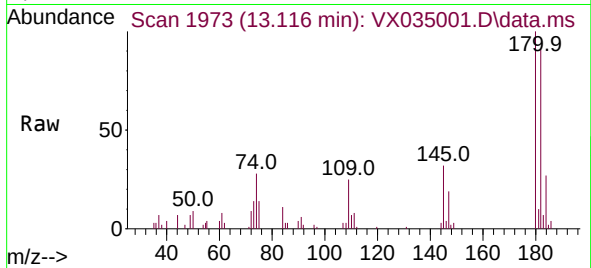
Tgt Ion: 75 Resp: 1240
Ion Ratio Lower Upper
75 100
155 87.3 58.0 87.0#
157 103.3 75.3 112.9





#69
1,3,5-Trichlorobenzene
Concen: 1.824 ug/L
RT: 13.116 min Scan# 1972
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

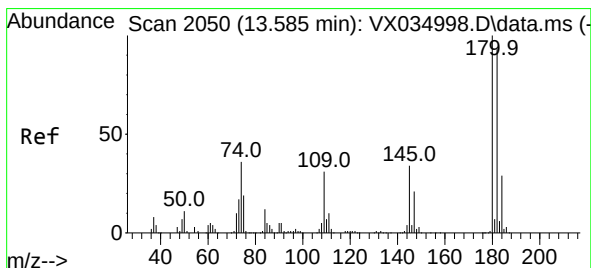
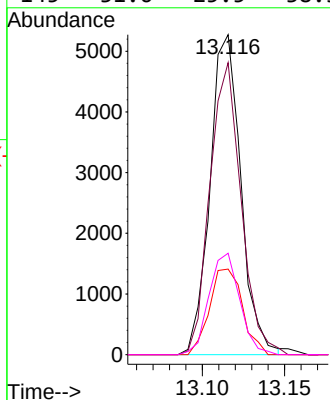
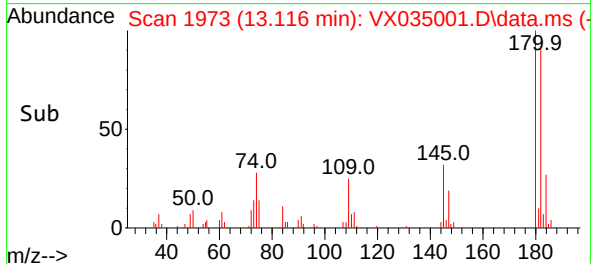
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04



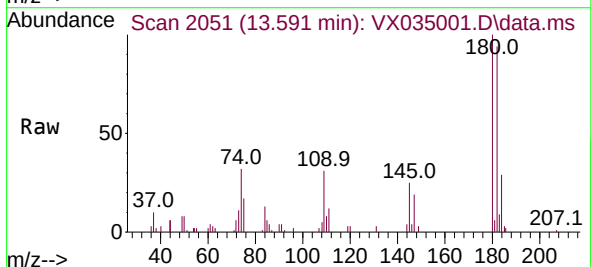
Tgt Ion:180 Resp: 6880
Ion Ratio Lower Upper
180 100
182 92.3 76.8 115.2
184 28.7 23.8 35.8
145 31.6 25.5 38.3

Manual Integrations
APPROVED

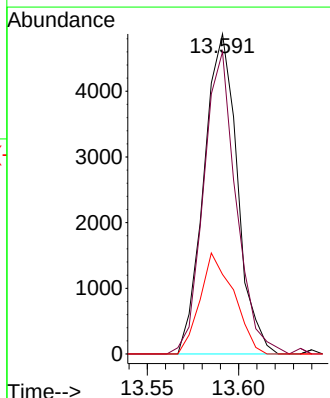
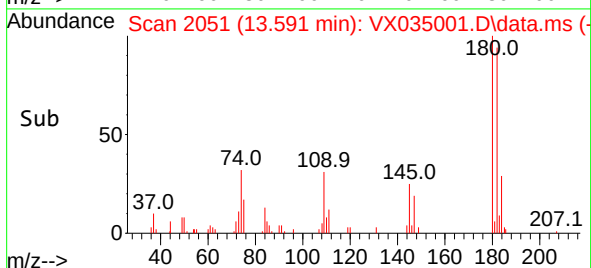
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023

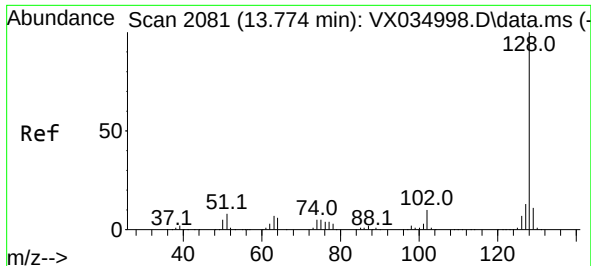


#70
1,2,4-trichlorobenzene
Concen: 1.767 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02



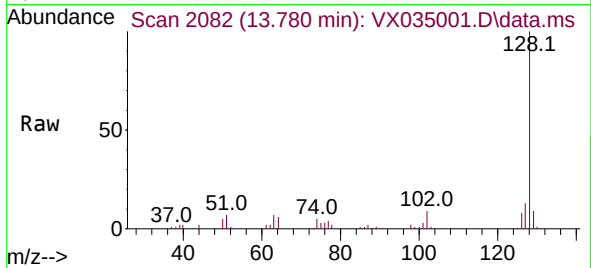
Tgt Ion:180 Resp: 6199
Ion Ratio Lower Upper
180 100
182 91.8 77.0 115.4
145 31.9 26.7 40.1





#71
Naphthalene
Concen: 1.601 ug/L
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

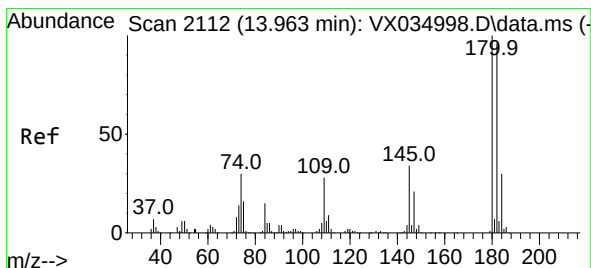
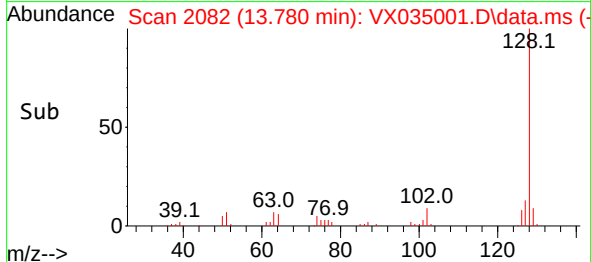
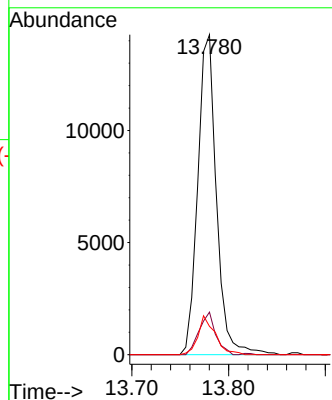
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04



Tgt Ion:128 Resp: 1918
Ion Ratio Lower Upper
128 100
127 11.8 10.2 15.4
129 11.2 8.9 13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#72
1,2,3-Trichlorobenzene
Concen: 1.791 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Tgt Ion:180 Resp: 6308
Ion Ratio Lower Upper
180 100
182 87.3 76.6 114.8
145 35.4 28.0 42.0

