

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071223\
 Data File : VX036513.D
 Acq On : 12 Jul 2023 13:29
 Operator : JC/MD
 Sample : 03573-01 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT3-2023-05

Quant Time: Jul 13 01:29:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML071223WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 13 01:12:57 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/13/2023
 Supervised By : Semsettin Yesilyurt 07/13/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	298715	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	271866	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	132871	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	115408	54.163	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 108.320%	
7) Chloroethane-d5	1.666	69	100784	43.051	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 86.100%	
11) 1,1-Dichloroethene-d2	2.307	65	47648	52.409	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 104.820%	
21) 2-Butanone-d5	4.453	46	151358	101.712	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 101.710%	
24) Chloroform-d	5.056	84	185053	47.825	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 95.640%	
26) 1,2-Dichloroethane-d4	5.952	65	130472	49.369	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 98.740%	
32) Benzene-d6	5.971	84	395977	51.447	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 102.900%	
36) 1,2-Dichloropropane-d6	7.306	67	124305	50.949	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 101.900%	
41) Toluene-d8	8.647	98	375652	51.126	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 102.260%	
43) trans-1,3-Dichloroprop...	8.952	79	55862	48.091	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 96.180%	
47) 2-Hexanone-d5	9.385	63	114582	106.778	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 106.780%	
56) 1,1,2,2-Tetrachloroeth...	11.189	84	166383	51.835	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 103.680%	
66) 1,2-Dichlorobenzene-d4	12.323	152	133093	52.729	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 105.460%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	5355	2.570	ug/L	92
3) Chloromethane	1.295	50	6773	2.750	ug/L	85
5) Vinyl chloride	1.374	62	7638	2.989	ug/L #	81
6) Bromomethane	1.612	94	6050	2.506	ug/L	94
8) Chloroethane	1.691	64	4289	2.293	ug/L	99
9) Trichlorofluoromethane	1.886	101	11473	2.838	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	6808	3.555	ug/L #	85
12) 1,1-Dichloroethene	2.319	96	5851	3.125	ug/L #	1
13) Acetone	2.386	43	5640	4.998	ug/L	97
14) Carbon disulfide	2.508	76	13471	2.682	ug/L #	94
15) Methyl Acetate	2.703	43	5777	2.575	ug/L	93
16) Methylene chloride	2.788	84	5884	2.848	ug/L	99
17) trans-1,2-Dichloroethene	3.093	96	5175	2.744	ug/L	99
18) Methyl tert-butyl Ether	3.117	73	15662	2.388	ug/L	98
19) 1,1-Dichloroethane	3.605	63	9629	2.609	ug/L	93
20) cis-1,2-Dichloroethene	4.489	96	5693	2.583	ug/L	90
22) 2-Butanone	4.568	43	8408m	5.123	ug/L	
23) Bromochloromethane	4.910	128	2839m	2.577	ug/L	
25) Chloroform	5.093	83	18378	4.742	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.093	62	8007	2.612	ug/L #	93
29) Cyclohexane	5.471	56	8863m	2.948	ug/L	
30) 1,1,1-Trichloroethane	5.379	97	7796	2.467	ug/L	96
31) Carbon tetrachloride	5.678	117	6504	2.456	ug/L	97
33) Benzene	6.044	78	20333	2.561	ug/L	100
34) Trichloroethene	7.123	95	5801	2.679	ug/L	87
35) Methylcyclohexane	7.379	83	8778	2.784	ug/L	96
37) 1,2-Dichloropropane	7.434	63	5605	2.568	ug/L #	91
38) Bromodichloromethane	7.824	83	6634	2.438	ug/L	89
39) cis-1,3-Dichloropropene	8.366	75	8344	2.426	ug/L	98
40) 4-Methyl-2-pentanone	8.574	43	14779	4.858	ug/L	98
42) Toluene	8.720	91	22079	2.614	ug/L	96
44) trans-1,3-Dichloropropene	8.982	75	7527	2.377	ug/L	92
45) 1,1,2-Trichloroethane	9.153	97	5110	2.463	ug/L	94
46) Tetrachloroethene	9.275	164	4600	2.990	ug/L	87
48) 2-Hexanone	9.433	43	12276	5.164	ug/L	98
49) Dibromochloromethane	9.519	129	5135	2.466	ug/L	95
50) 1,2-Dibromoethane	9.610	107	5408	2.432	ug/L #	95
51) Chlorobenzene	10.080	112	14477	2.636	ug/L	97
52) Ethylbenzene	10.195	91	24927	2.682	ug/L	93
53) m,p-Xylene	10.299	106	9072	2.558	ug/L	89
54) o-Xylene	10.647	106	8560	2.434	ug/L	98
55) Styrene	10.659	104	14545	2.481	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.214	83	9014	2.797	ug/L #	92
59) Bromoform	10.799	173	3159	2.175	ug/L	93
60) Isopropylbenzene	10.964	105	24062	2.694	ug/L	98
61) 1,2,3-Trichloropropane	11.244	75	6655	2.653	ug/L	95
62) 1,3,5-Trimethylbenzene	11.451	105	19231	2.576	ug/L	98
63) 1,2,4-Trimethylbenzene	11.750	105	18284	2.442	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	10582	2.648	ug/L	99
65) 1,4-Dichlorobenzene	12.043	146	11379	2.820	ug/L	93
67) 1,2-Dichlorobenzene	12.335	146	10769	2.716	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	1504	2.250	ug/L	95
69) 1,3,5-Trichlorobenzene	13.110	180	7156	2.699	ug/L	98
70) 1,2,4-trichlorobenzene	13.585	180	6490	2.595	ug/L	94
71) Naphthalene	13.774	128	20524	2.405	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	6702	2.750	ug/L	93

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

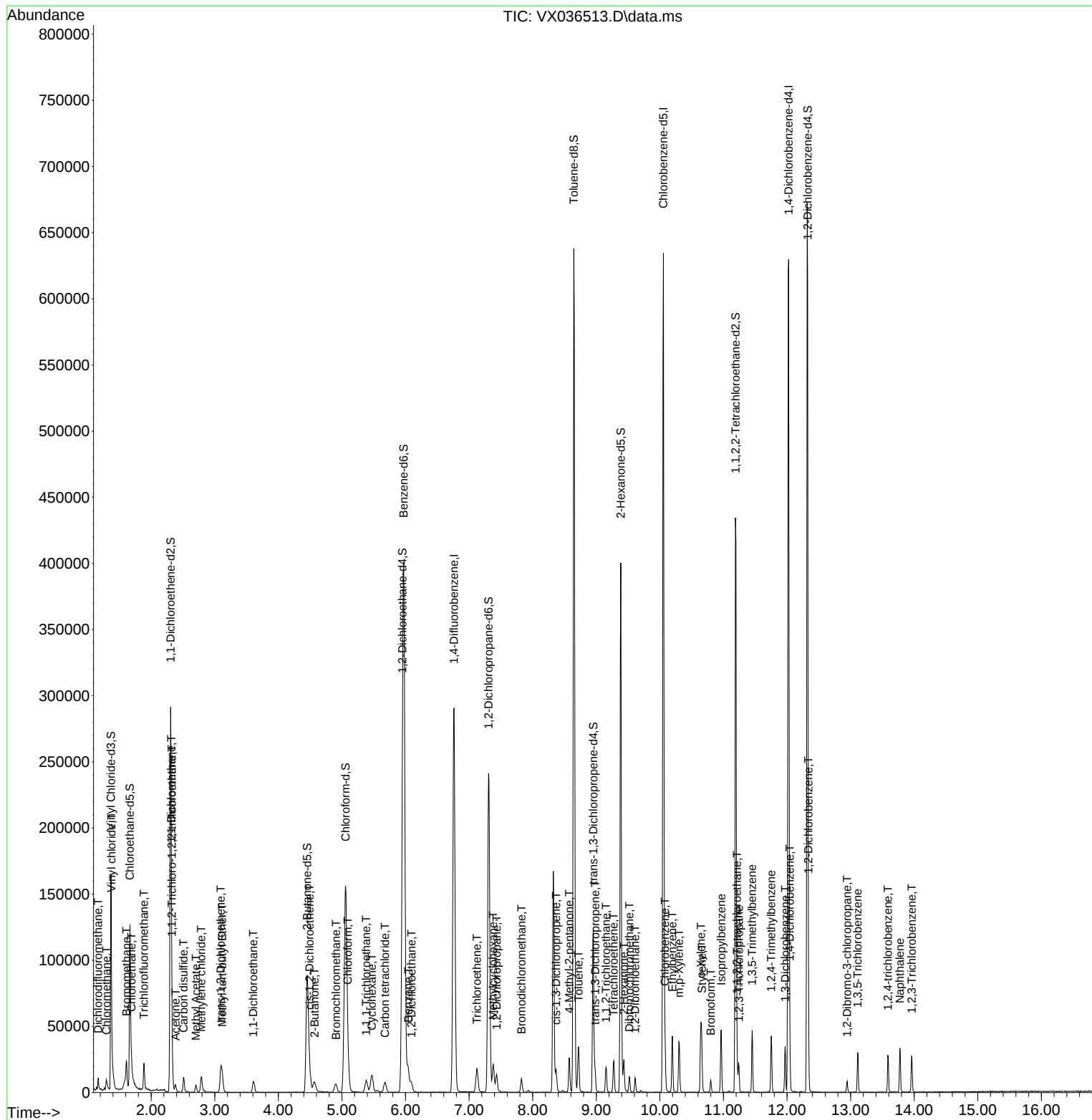
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071223\
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Misc : 5.0mL/MSVOA_X/WATER
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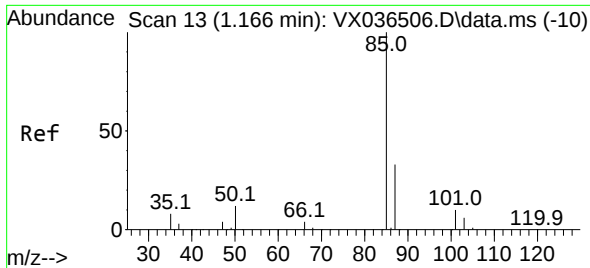
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2023-05

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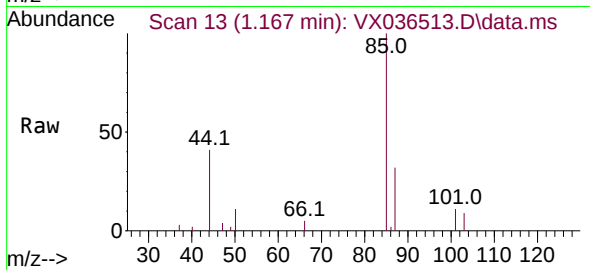
Reviewed By :John Carlone 07/13/2023
Supervised By :Semsettin Yesilyurt 07/13/2023





#2
Dichlorodifluoromethane
Concen: 2.570 ug/L
RT: 1.167 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

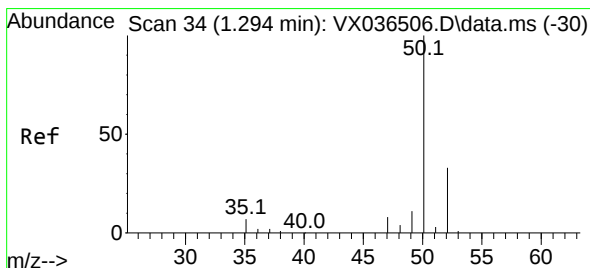
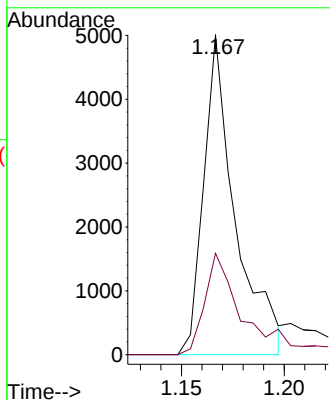
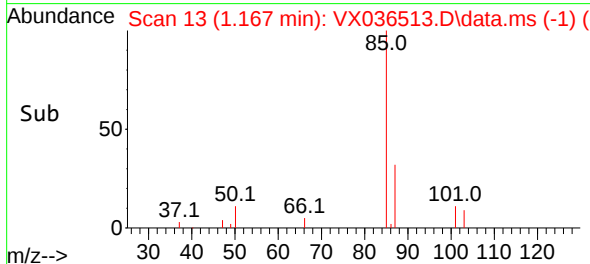
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT3-2023-05



Tgt Ion: 85 Resp: 535
Ion Ratio Lower Upper
85 100
87 37.5 26.3 39.5

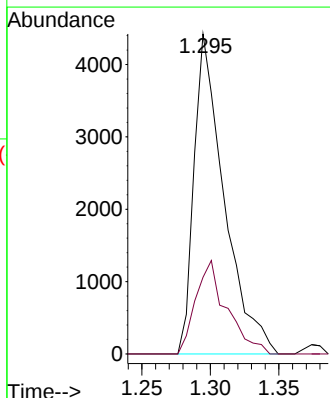
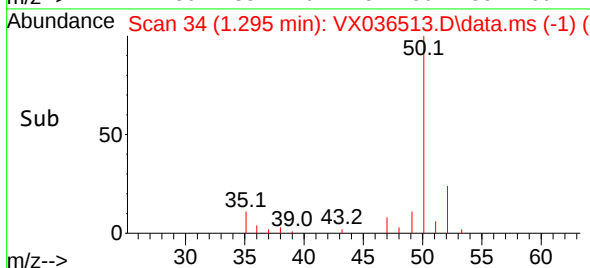
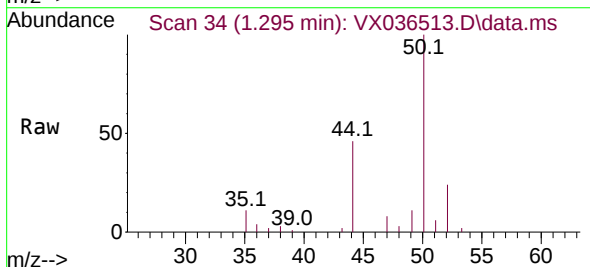
Manual Integrations
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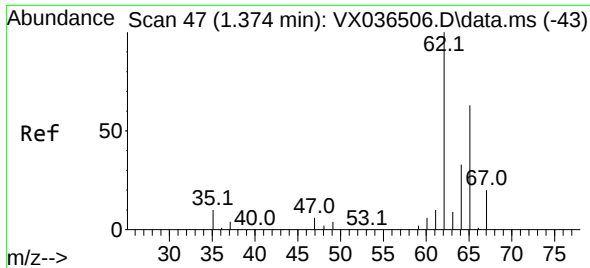
Reviewed By :John Carlone 07/13/2023
Supervised By :Semsettin Yesilyurt 07/13/2023



#3
Chloromethane
Concen: 2.750 ug/L
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

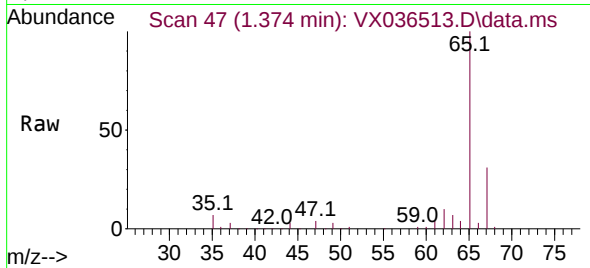
Tgt Ion: 50 Resp: 6773
Ion Ratio Lower Upper
50 100
52 24.0 22.8 42.4





#5
 Vinyl chloride
 Concen: 2.989 ug/L
 RT: 1.374 min Scan# 47
 Delta R.T. 0.000 min
 Lab File: VX036513.D
 Acq: 12 Jul 2023 13:29

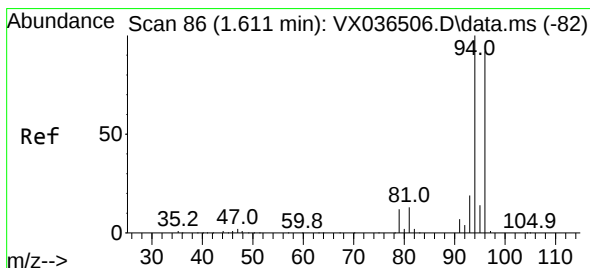
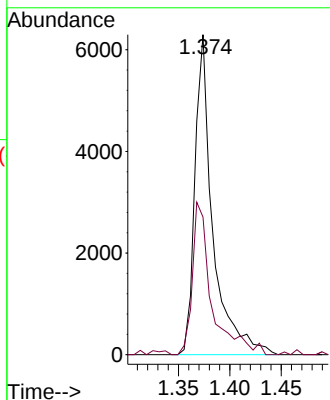
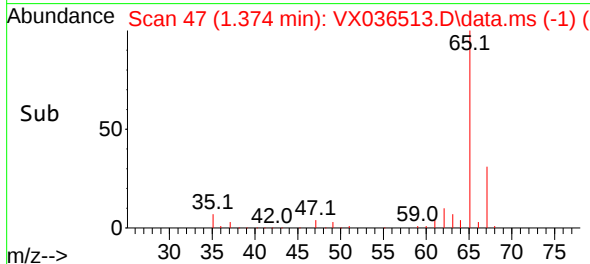
Instrument : MSVOA_X
 ClientSampleId : MDL-WATER-QT3-2023-05



Tgt Ion: 62 Resp: 7638
 Ion Ratio Lower Upper
 62 100
 64 43.0 22.8 42.4

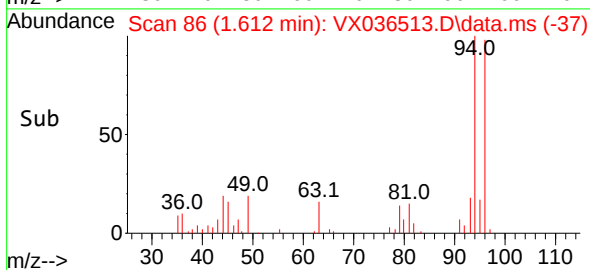
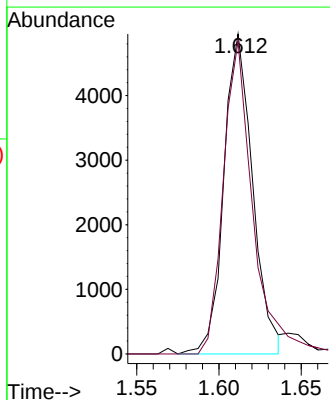
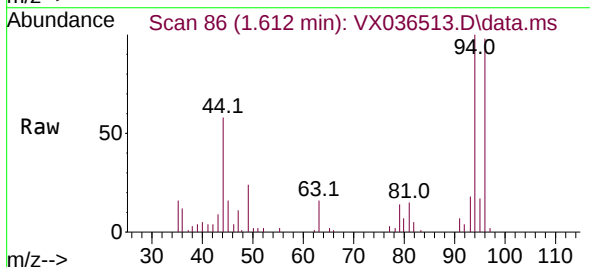
Manual Integrations
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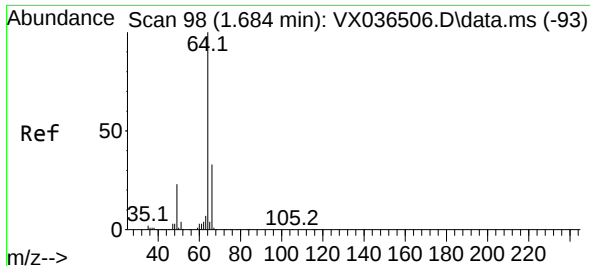
Reviewed By :John Carlone 07/13/2023
 Supervised By :Semsettin Yesilyurt 07/13/2023



#6
 Bromomethane
 Concen: 2.506 ug/L
 RT: 1.612 min Scan# 86
 Delta R.T. 0.000 min
 Lab File: VX036513.D
 Acq: 12 Jul 2023 13:29

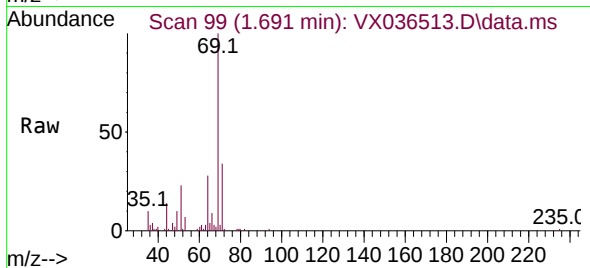
Tgt Ion: 94 Resp: 6050
 Ion Ratio Lower Upper
 94 100
 96 97.7 64.5 119.7





#8
Chloroethane
Concen: 2.293 ug/L
RT: 1.691 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

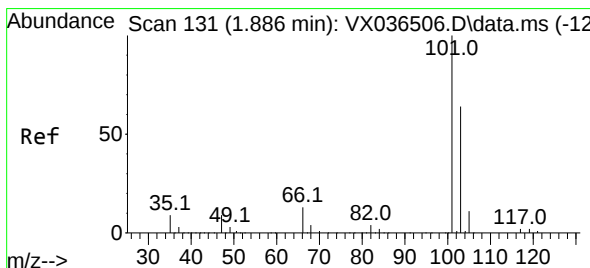
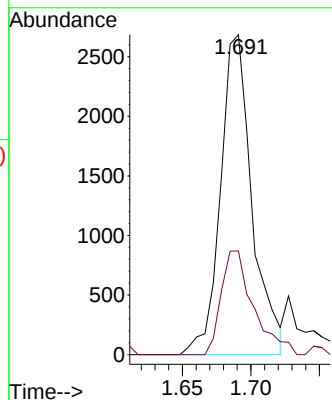
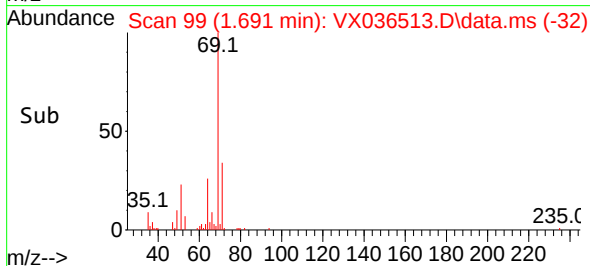
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2023-05



Tgt Ion: 64 Resp: 4289
Ion Ratio Lower Upper
64 100
66 32.4 23.0 42.8

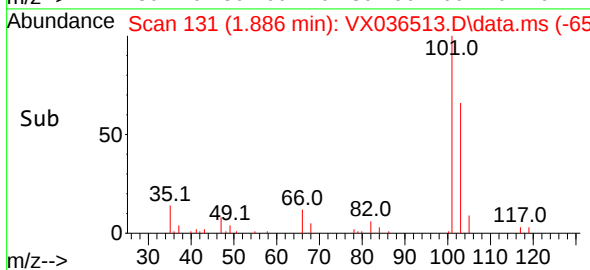
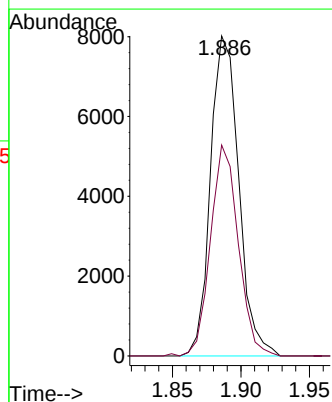
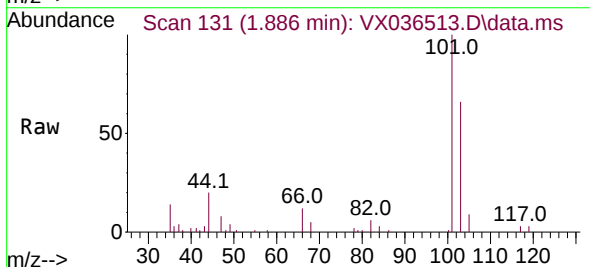
Manual Integrations
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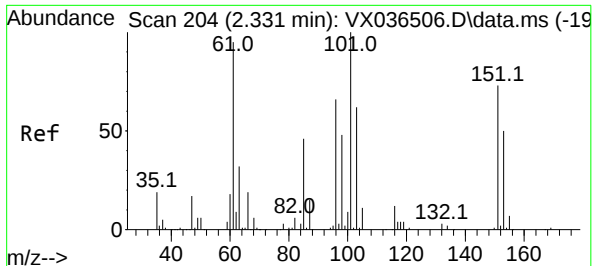
Reviewed By :John Carlone 07/13/2023
Supervised By :Semsettin Yesilyurt 07/13/2023



#9
Trichlorofluoromethane
Concen: 2.838 ug/L
RT: 1.886 min Scan# 131
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

Tgt Ion:101 Resp: 11473
Ion Ratio Lower Upper
101 100
103 64.9 51.7 77.5





#10

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

Concen: 3.555 ug/L

RT: 2.325 min Scan# 204

Delta R.T. -0.006 min

Lab File: VX036513.D

Acq: 12 Jul 2023 13:29

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT3-2023-05

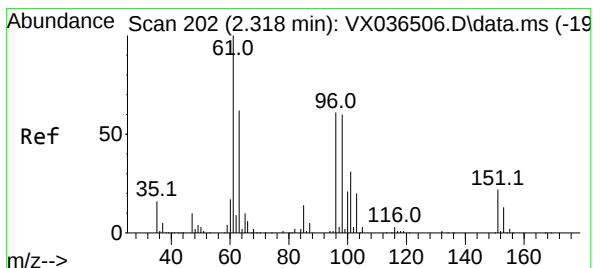
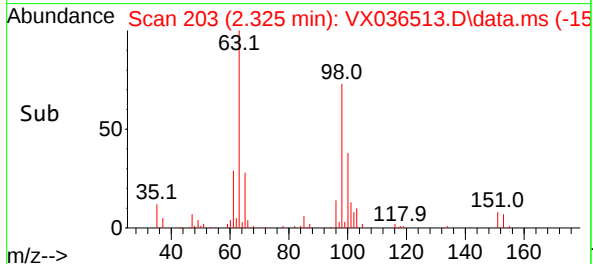
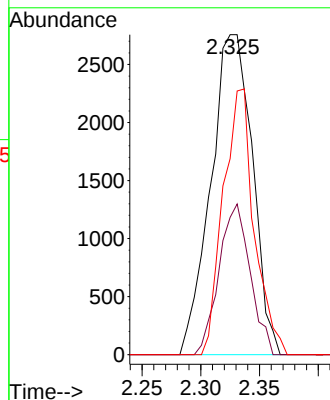
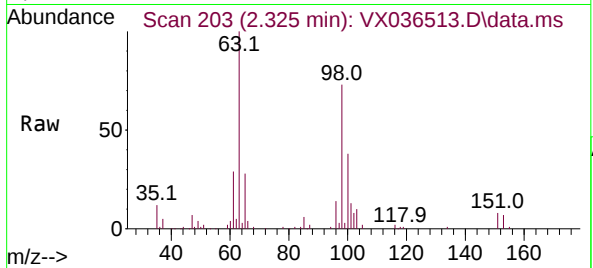
Tgt Ion:	101	Resp:	6800
Ion Ratio	Lower	Upper	
101	100		
85	35.1	35.8	53.8
151	61.7	59.8	89.6

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 3.125 ug/L

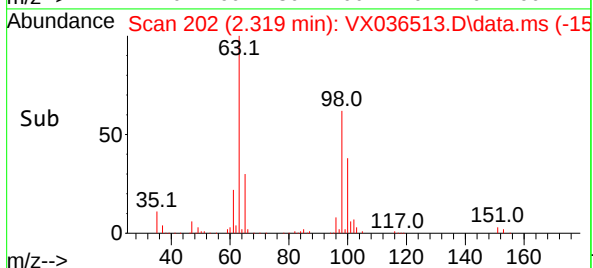
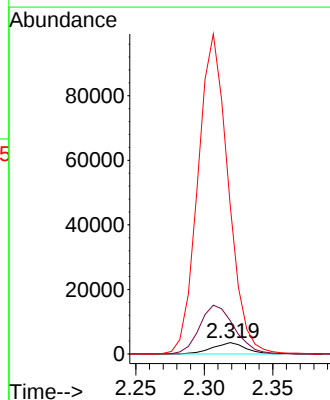
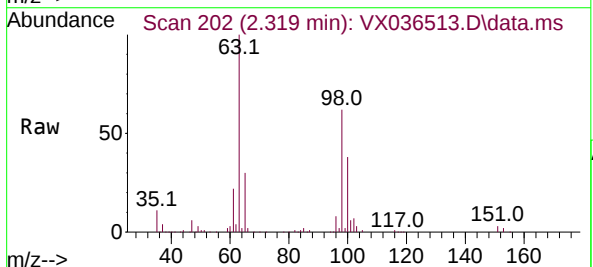
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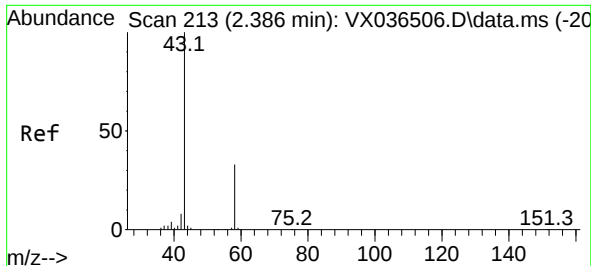
Delta R.T. 0.000 min

Lab File: VX036513.D

Acq: 12 Jul 2023 13:29

Tgt Ion:	96	Resp:	5851
Ion Ratio	Lower	Upper	
96	100		
61	294.3	115.3	214.1#
63	1315.0	76.3	141.7#





#13

Acetone

Concen: 4.998 ug/L

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX036513.D

Acq: 12 Jul 2023 13:29

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT3-2023-05

Tgt Ion: 43 Resp: 5640

Ion Ratio Lower Upper

43 100

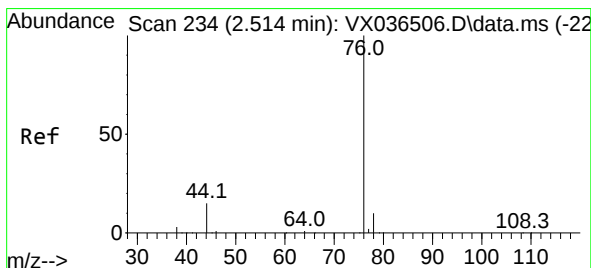
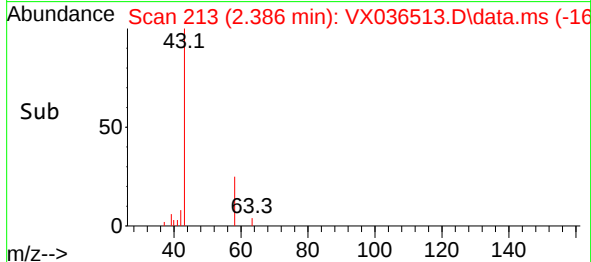
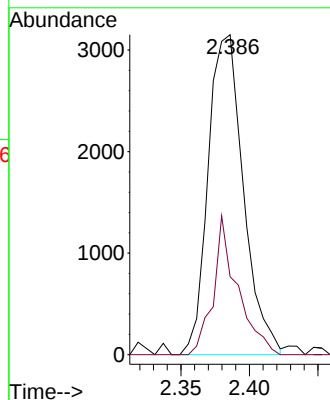
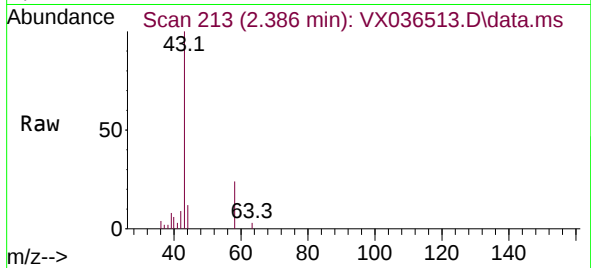
58 29.6 0.0 62.6

Manual Integrations

APPROVED

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Supervised By :Semsettin Yesilyurt 07/13/2023



#14

Carbon disulfide

Concen: 2.682 ug/L

RT: 2.508 min Scan# 233

Delta R.T. -0.006 min

Lab File: VX036513.D

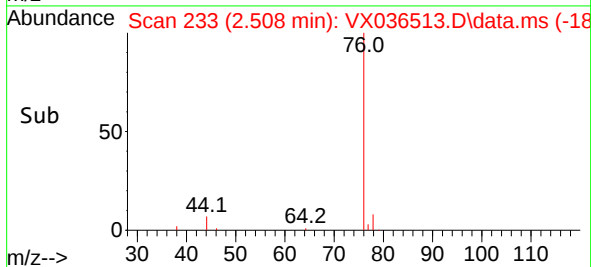
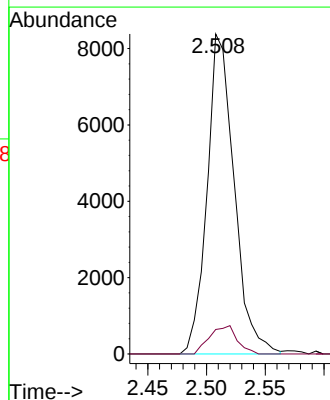
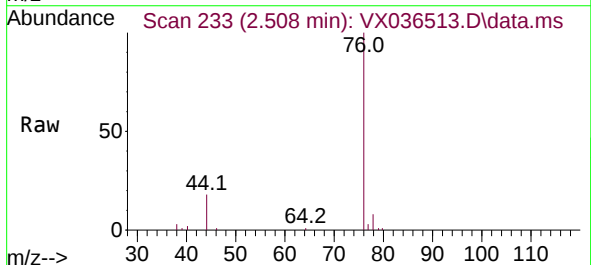
Acq: 12 Jul 2023 13:29

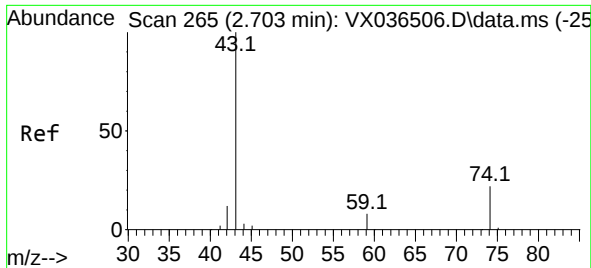
Tgt Ion: 76 Resp: 13471

Ion Ratio Lower Upper

76 100

78 7.6 7.8 11.6#





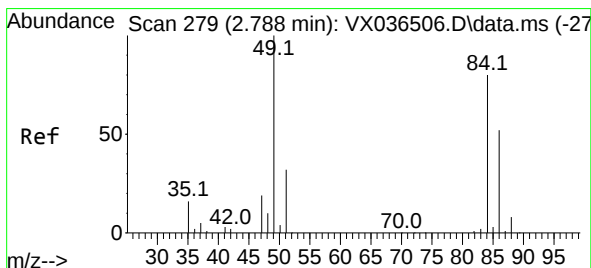
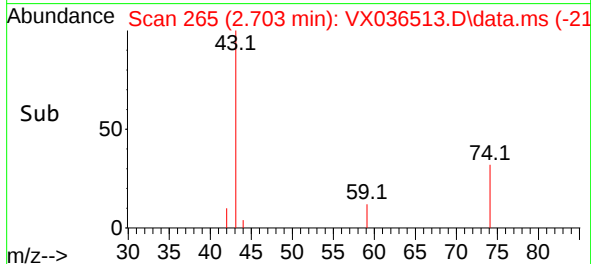
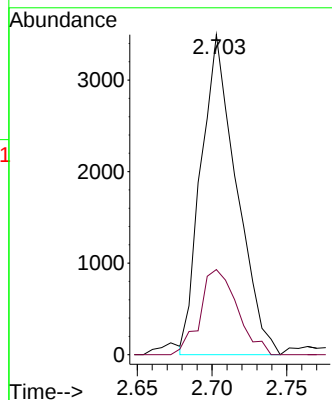
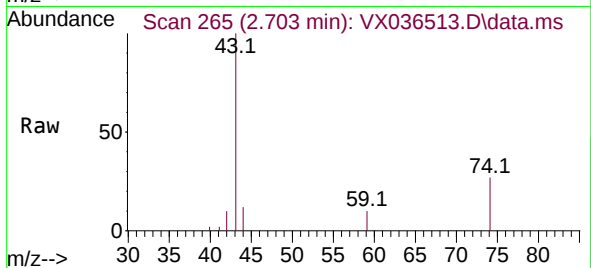
#15
Methyl Acetate
Concen: 2.575 ug/L
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2023-05

Tgt Ion: 43 Resp: 577
Ion Ratio Lower Upper
43 100
74 27.7 19.4 29.0

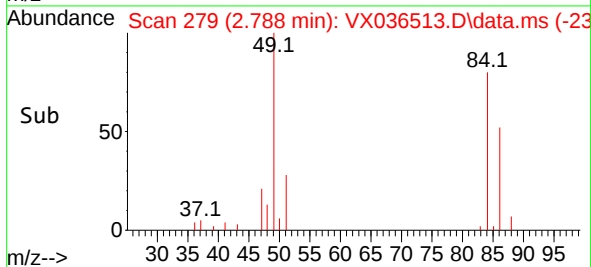
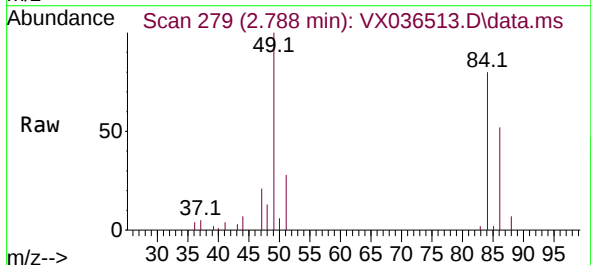
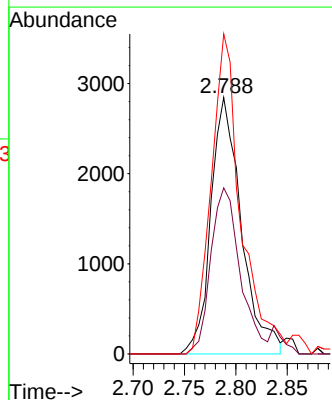
Manual Integrations
APPROVED

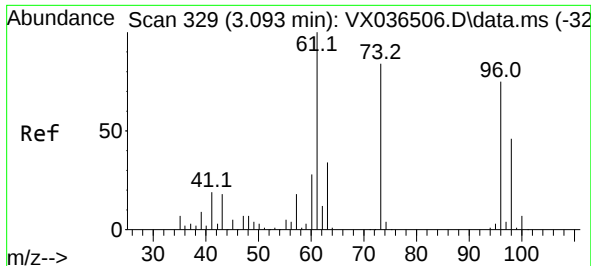
Reviewed By :John Carlone 07/13/2023
Supervised By :Semsettin Yesilyurt 07/13/2023



#16
Methylene chloride
Concen: 2.848 ug/L
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

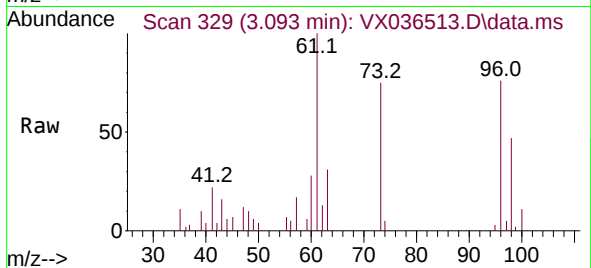
Tgt Ion: 84 Resp: 5884
Ion Ratio Lower Upper
84 100
86 64.8 45.9 85.3
49 124.8 87.6 162.8





#17
trans-1,2-Dichloroethene
Concen: 2.744 ug/L
RT: 3.093 min Scan# 317
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

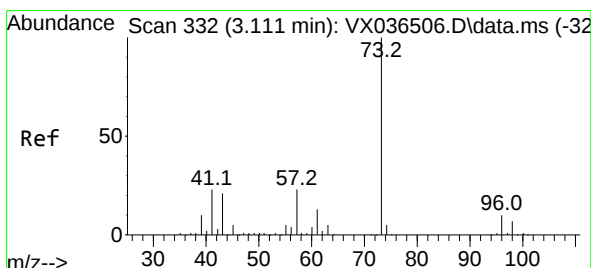
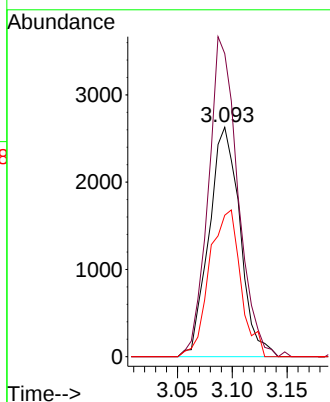
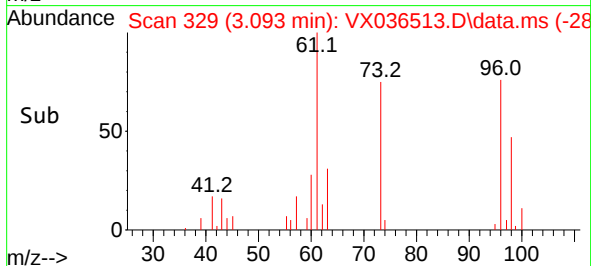
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2023-05



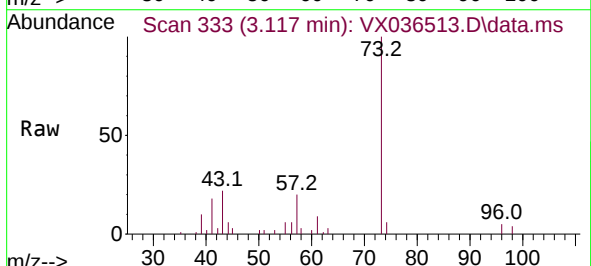
Tgt Ion: 96 Resp: 517
Ion Ratio Lower Upper
96 100
61 132.1 93.7 174.1
98 61.6 42.9 79.7

Manual Integrations
APPROVED

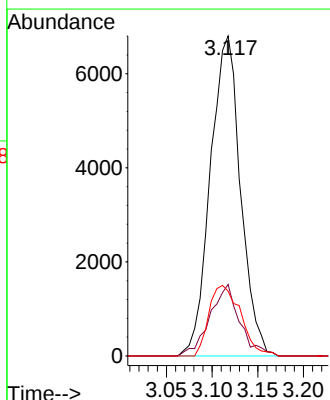
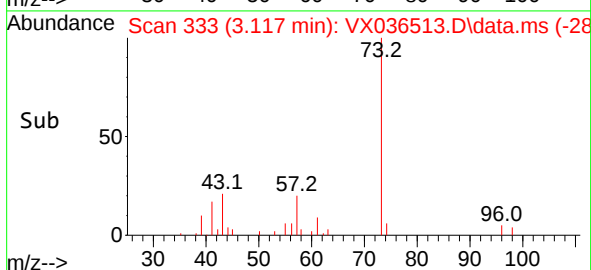
Reviewed By :John Carlone 07/13/2023
Supervised By :Semsettin Yesilyurt 07/13/2023

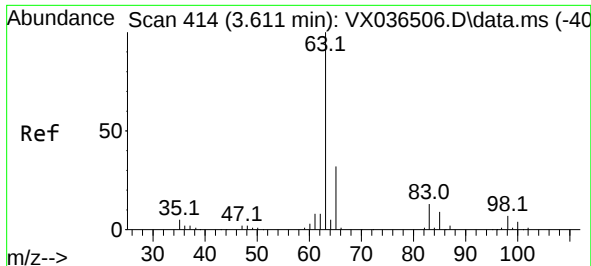


#18
Methyl tert-butyl Ether
Concen: 2.388 ug/L
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29



Tgt Ion: 73 Resp: 15662
Ion Ratio Lower Upper
73 100
43 20.8 17.0 25.6
57 23.1 17.4 26.0





#19

1,1-Dichloroethane

Concen: 2.609 ug/L

RT: 3.605 min Scan# 414

Delta R.T. -0.006 min

Lab File: VX036513.D

Acq: 12 Jul 2023 13:29

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT3-2023-05

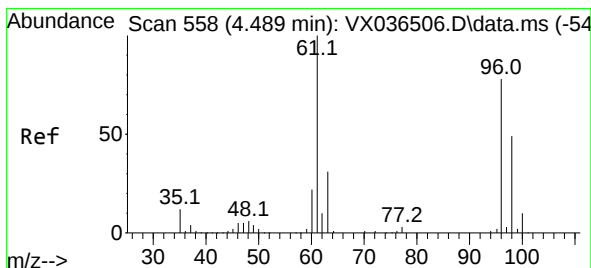
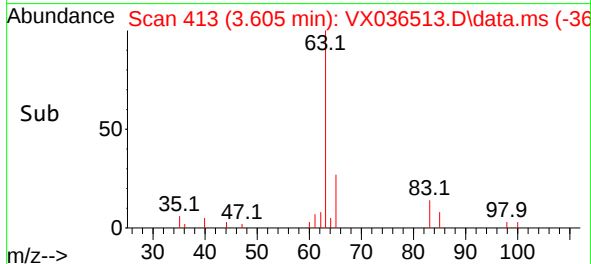
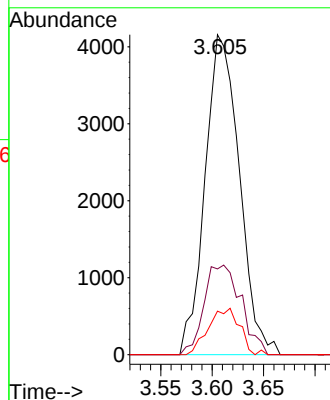
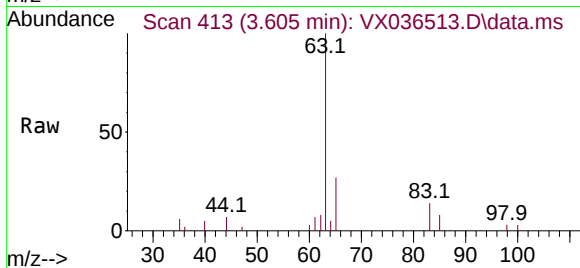
Tgt Ion:	63	Resp:	9629
Ion	Ratio	Lower	Upper
63	100		
65	26.8	22.3	41.3
83	13.6	9.3	17.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Semsettin Yesilyurt 07/13/2023



#20

cis-1,2-Dichloroethene

Concen: 2.583 ug/L

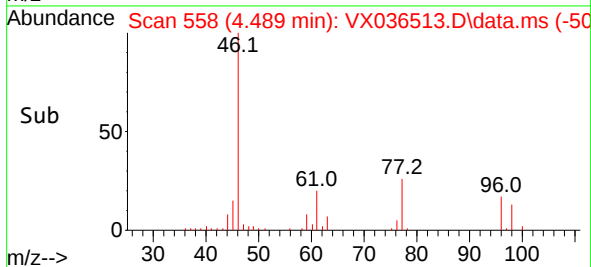
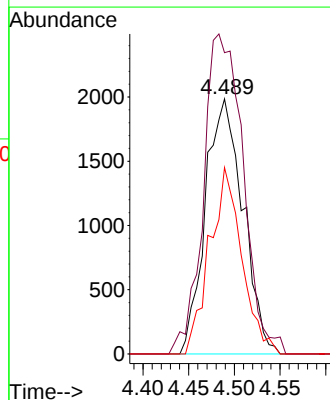
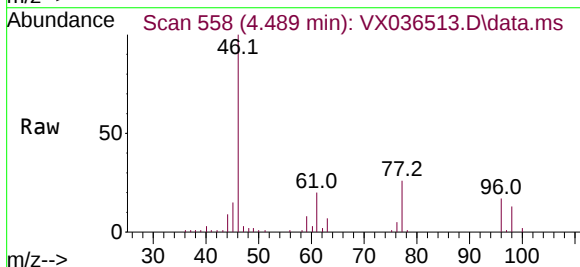
RT: 4.489 min Scan# 558

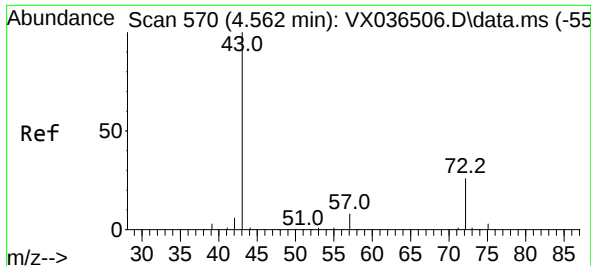
Delta R.T. 0.000 min

Lab File: VX036513.D

Acq: 12 Jul 2023 13:29

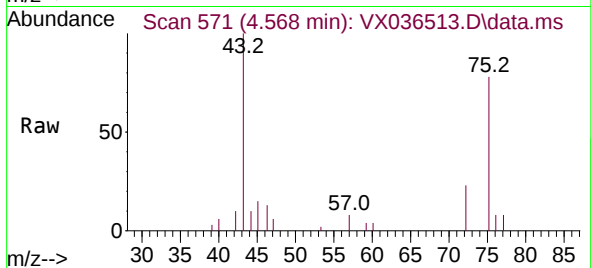
Tgt Ion:	96	Resp:	5693
Ion	Ratio	Lower	Upper
96	100		
61	118.1	90.1	167.3
98	73.1	44.1	81.9





#22
2-Butanone
Concen: 5.123 ug/L m
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

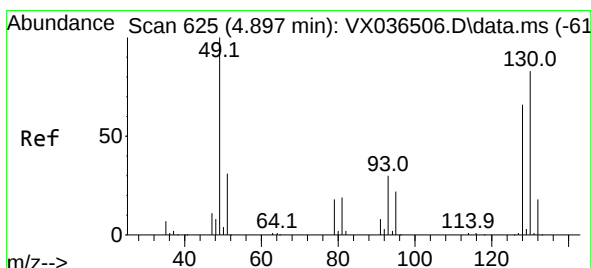
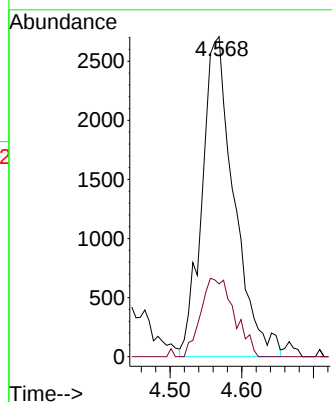
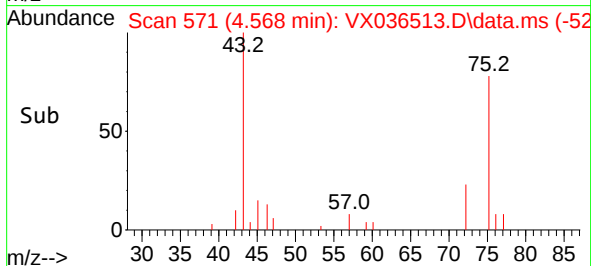
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2023-05



Tgt Ion: 43 Resp: 840
Ion Ratio Lower Upper
43 100
72 14.8 13.8 41.3

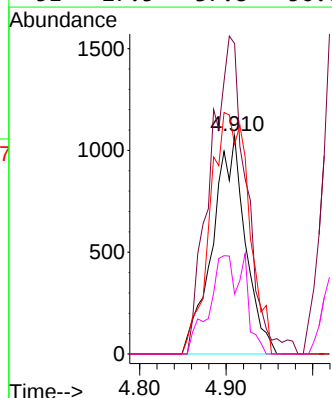
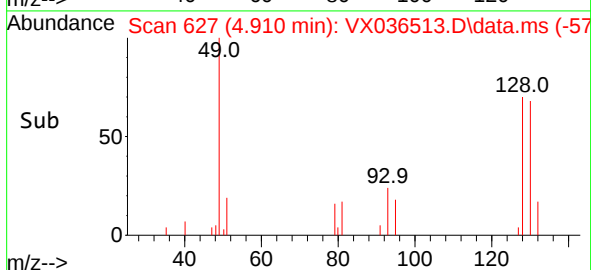
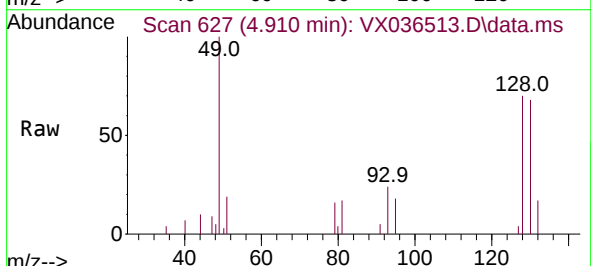
Manual Integrations
APPROVED

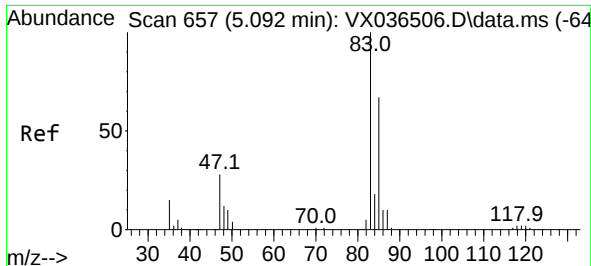
Reviewed By :John Carlone 07/13/2023
Supervised By :Semsettin Yesilyurt 07/13/2023



#23
Bromochloromethane
Concen: 2.577 ug/L m
RT: 4.910 min Scan# 627
Delta R.T. 0.012 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

Tgt Ion:128 Resp: 2839
Ion Ratio Lower Upper
128 100
49 142.3 105.8 196.4
130 96.2 88.1 163.7
51 27.5 37.8 56.6#





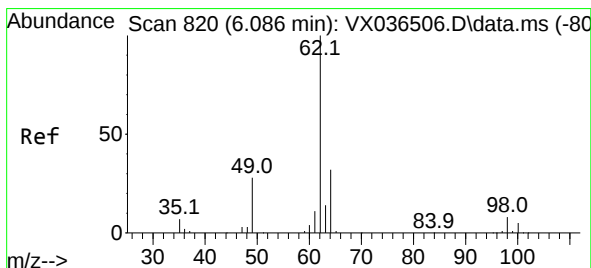
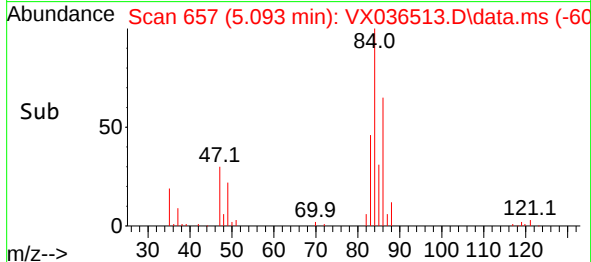
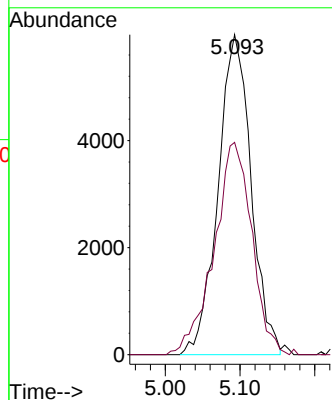
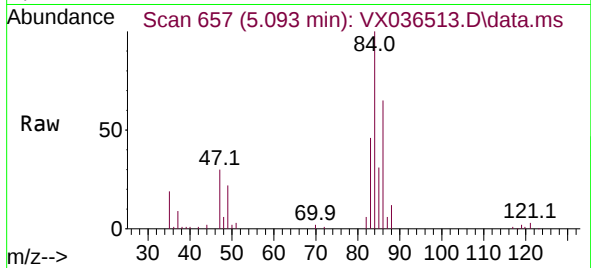
#25
Chloroform
Concen: 4.742 ug/L
RT: 5.093 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2023-05

Tgt Ion: 83 Resp: 18378
Ion Ratio Lower Upper
83 100
85 66.3 46.8 87.0

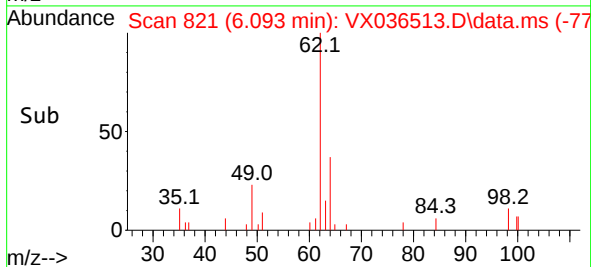
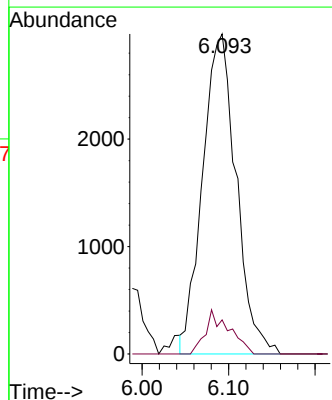
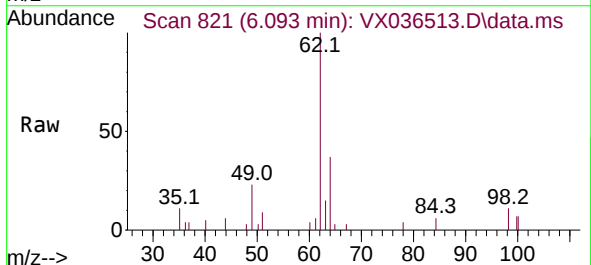
Manual Integrations
APPROVED

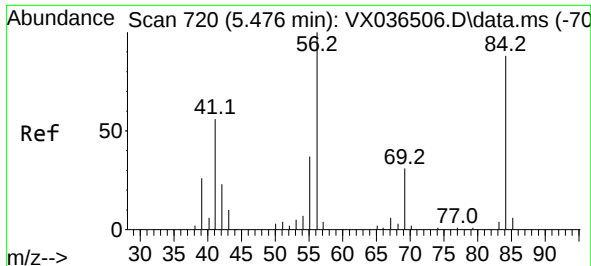
Reviewed By :John Carlone 07/13/2023
Supervised By :Semsettin Yesilyurt 07/13/2023



#27
1,2-Dichloroethane
Concen: 2.612 ug/L
RT: 6.093 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

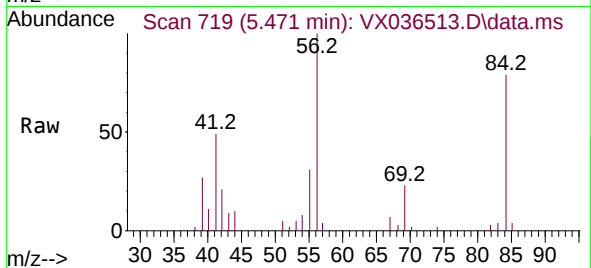
Tgt Ion: 62 Resp: 8007
Ion Ratio Lower Upper
62 100
98 10.6 6.5 9.7#





#29
Cyclohexane
Concen: 2.948 ug/L m
RT: 5.471 min Scan# 719
Delta R.T. -0.006 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

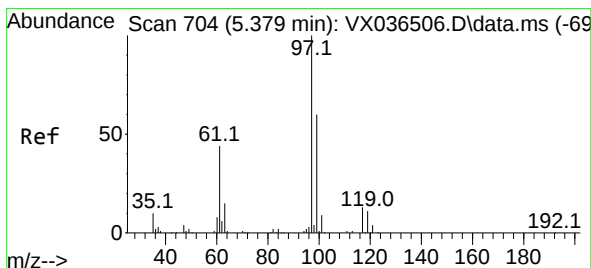
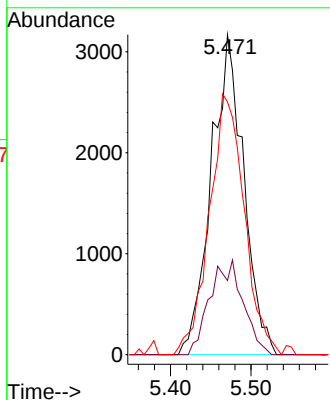
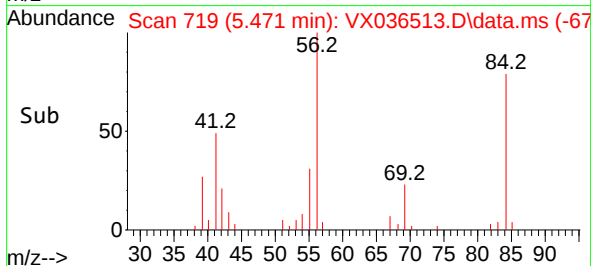
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2023-05



Tgt Ion: 56 Resp: 886
Ion Ratio Lower Upper
56 100
69 12.9 25.3 37.9
84 87.6 73.0 109.4

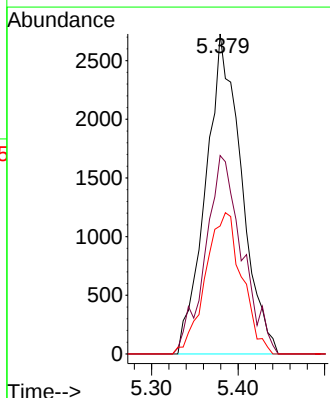
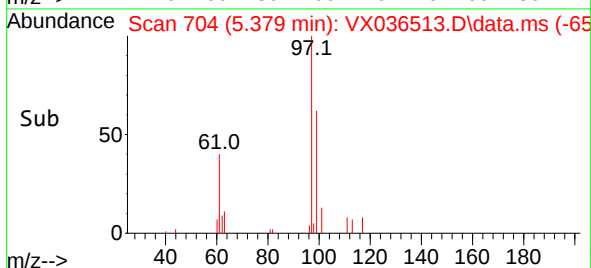
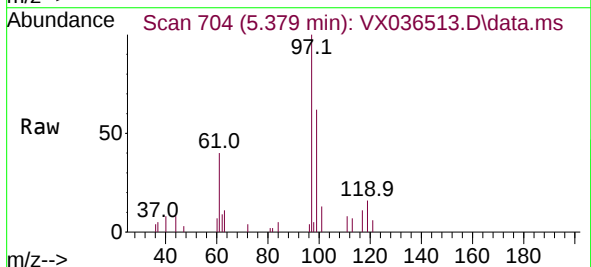
Manual Integrations
APPROVED

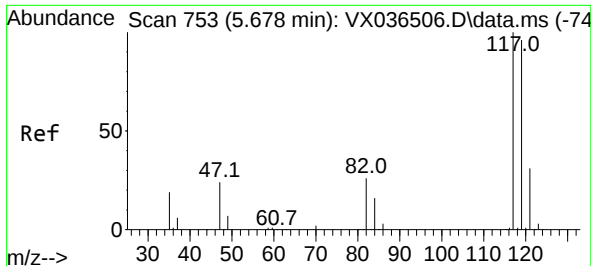
Reviewed By :John Carlone 07/13/2023
Supervised By :Semsettin Yesilyurt 07/13/2023



#30
1,1,1-Trichloroethane
Concen: 2.467 ug/L
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

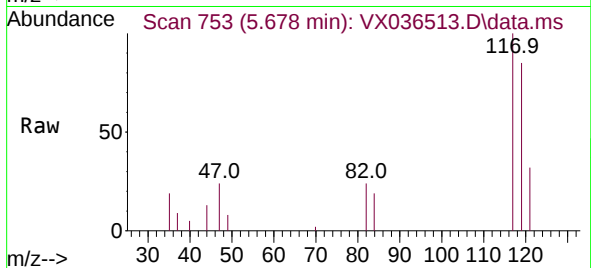
Tgt Ion: 97 Resp: 7796
Ion Ratio Lower Upper
97 100
99 59.5 50.6 76.0
61 45.1 34.7 52.1





#31
Carbon tetrachloride
Concen: 2.456 ug/L
RT: 5.678 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

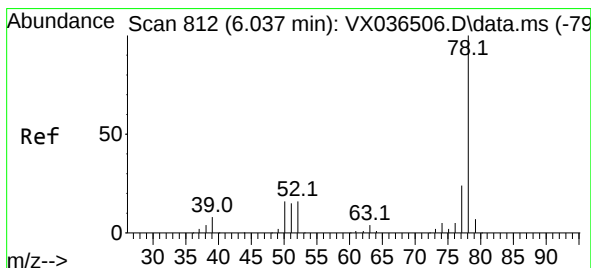
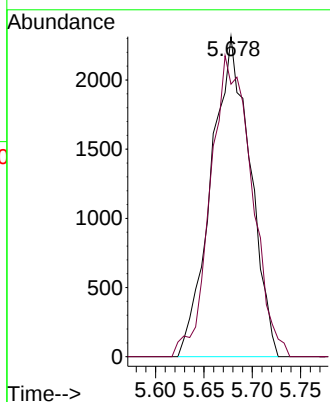
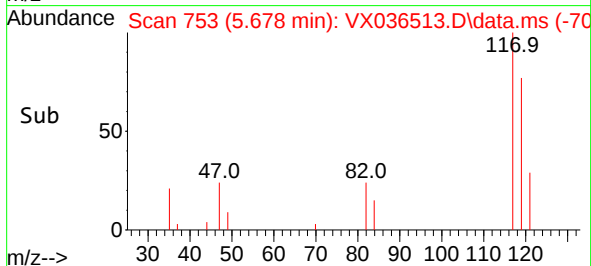
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2023-05



Tgt Ion:117 Resp: 6504
Ion Ratio Lower Upper
117 100
119 98.9 76.6 114.8

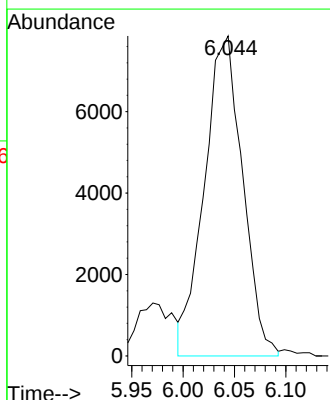
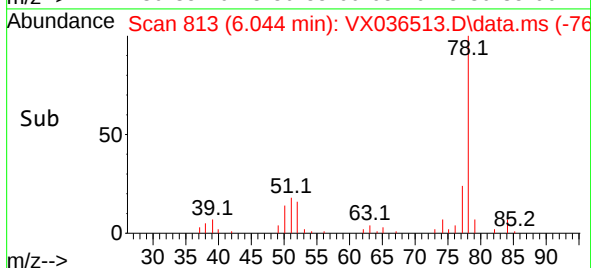
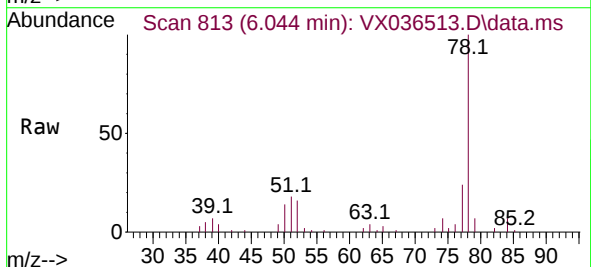
Manual Integrations
APPROVED

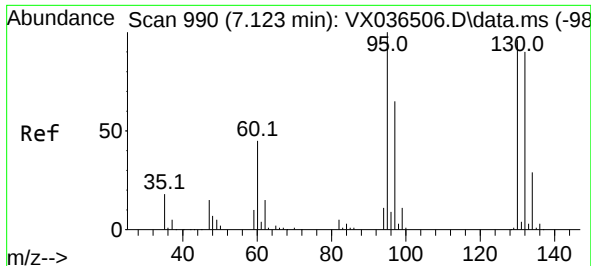
Reviewed By :John Carlone 07/13/2023
Supervised By :Semsettin Yesilyurt 07/13/2023



#33
Benzene
Concen: 2.561 ug/L
RT: 6.044 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

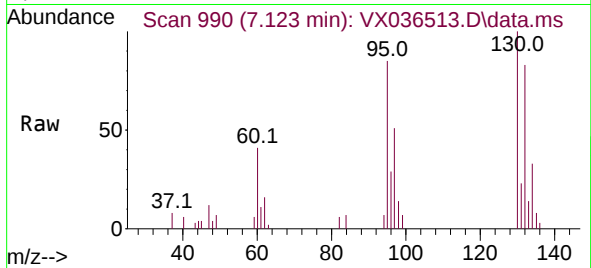
Tgt Ion: 78 Resp: 20333





#34
Trichloroethene
Concen: 2.679 ug/L
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

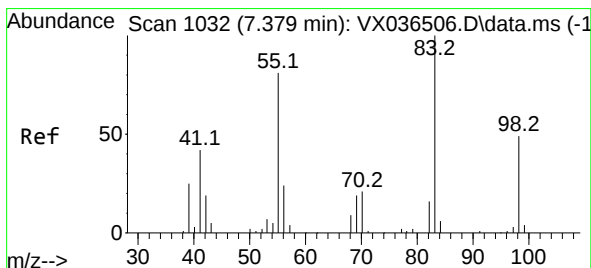
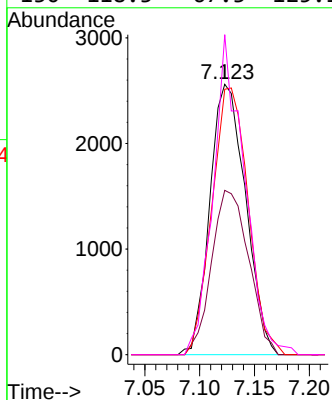
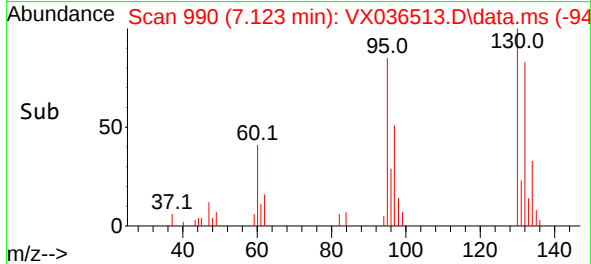
Instrument : MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2023-05



Tgt Ion: 95 Resp: 580
Ion Ratio Lower Upper
95 100
97 60.8 45.3 84.1
132 98.2 63.0 117.0
130 118.3 67.3 125.1

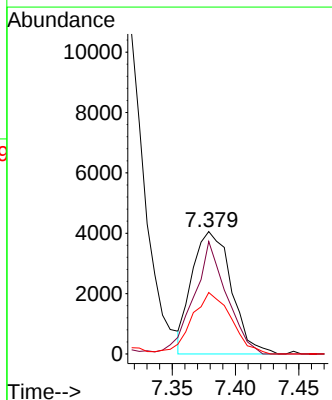
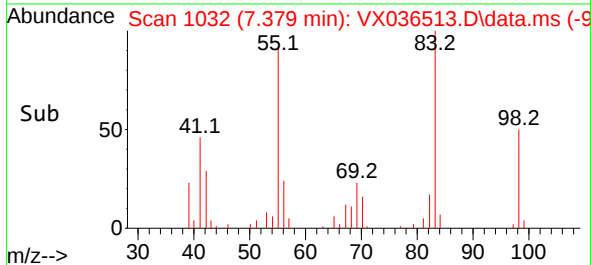
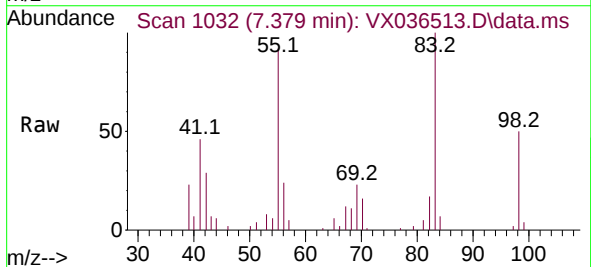
Manual Integrations
APPROVED

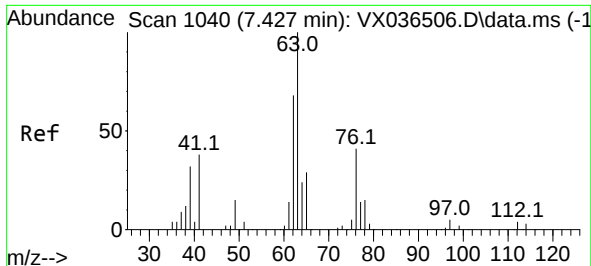
Reviewed By :John Carlone 07/13/2023
Supervised By :Semsettin Yesilyurt 07/13/2023



#35
Methylcyclohexane
Concen: 2.784 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

Tgt Ion: 83 Resp: 8778
Ion Ratio Lower Upper
83 100
55 76.8 59.0 88.4
98 50.4 37.5 56.3





#37

1,2-Dichloropropane

Concen: 2.568 ug/L

RT: 7.434 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VX036513.D

Acq: 12 Jul 2023 13:29

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT3-2023-05

Tgt Ion: 63 Resp: 560

Ion Ratio Lower Upper

63 100

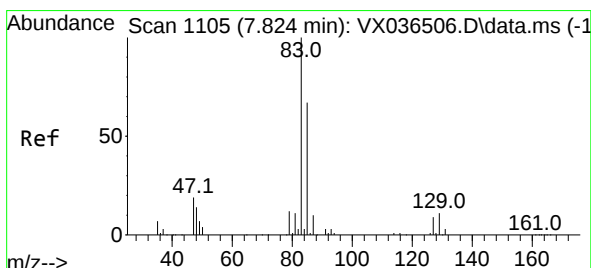
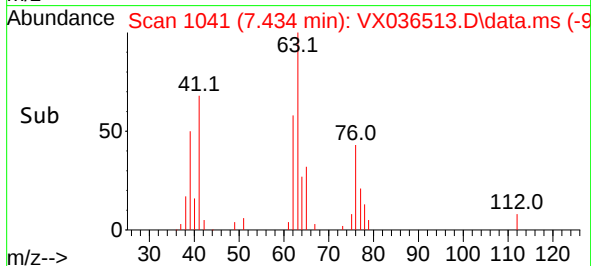
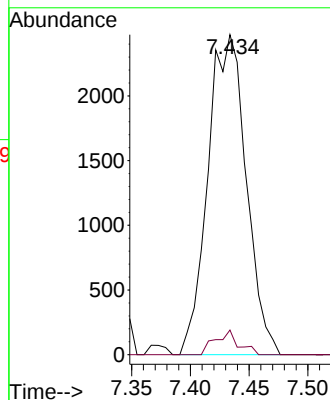
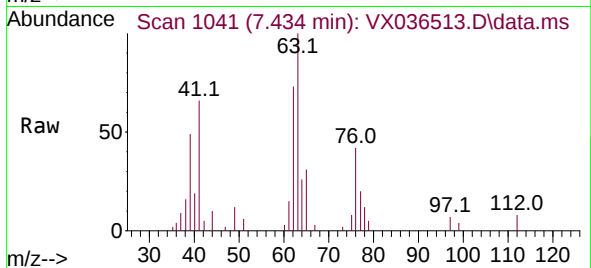
112 0.9 3.1 4.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Semsettin Yesilyurt 07/13/2023



#38

Bromodichloromethane

Concen: 2.438 ug/L

RT: 7.824 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VX036513.D

Acq: 12 Jul 2023 13:29

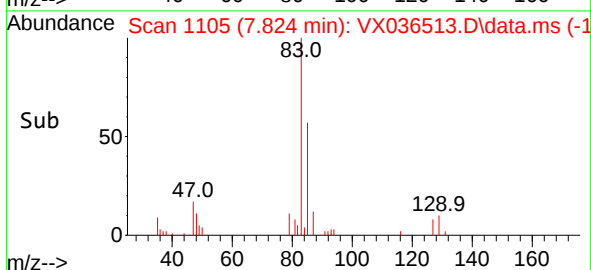
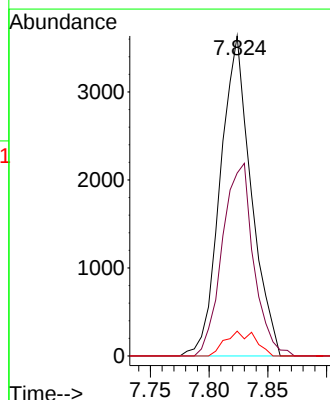
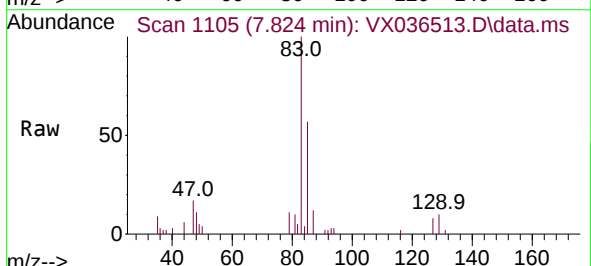
Tgt Ion: 83 Resp: 6634

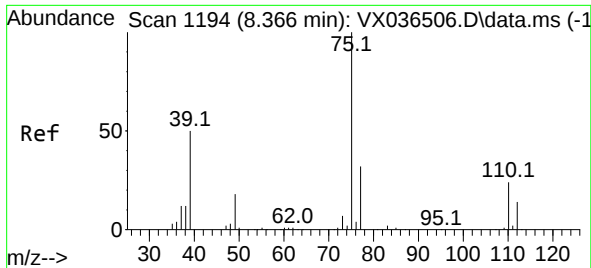
Ion Ratio Lower Upper

83 100

85 57.1 46.9 87.1

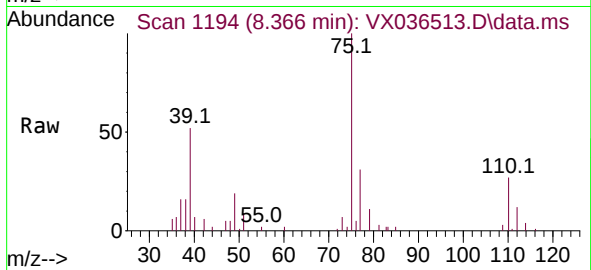
127 7.8 7.2 10.8





#39
 cis-1,3-Dichloropropene
 Concen: 2.426 ug/L
 RT: 8.366 min Scan# 1194
 Delta R.T. 0.000 min
 Lab File: VX036513.D
 Acq: 12 Jul 2023 13:29

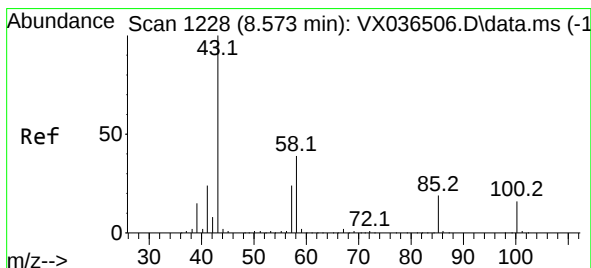
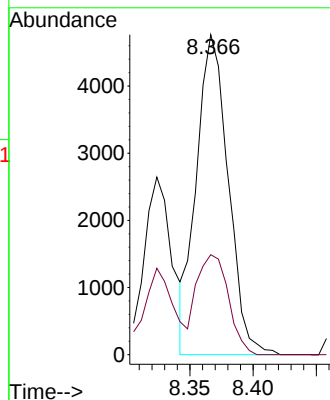
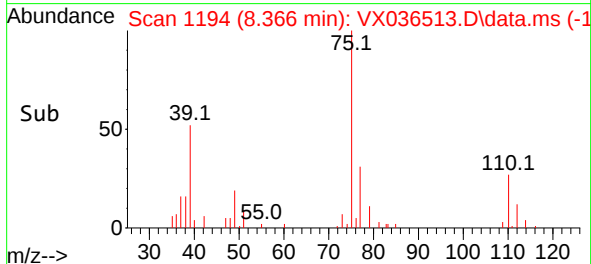
Instrument : MSVOA_X
 ClientSampleId : MDL-WATER-QT3-2023-05



Tgt Ion: 75 Resp: 8344
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.7 42.1

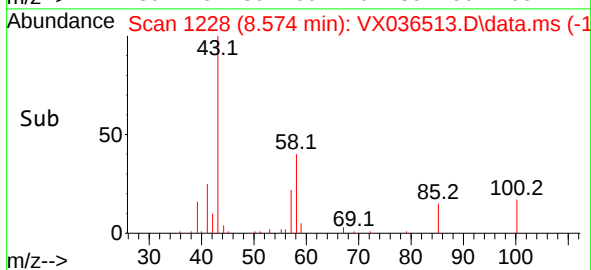
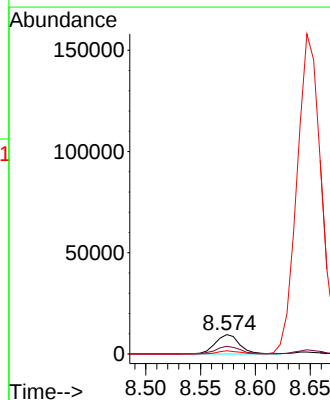
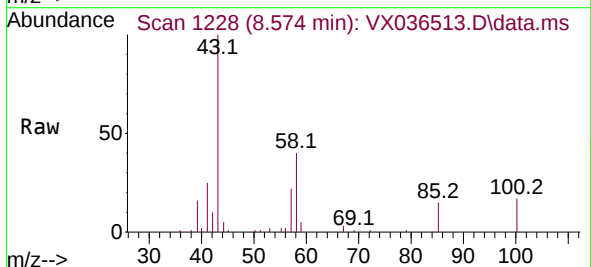
Manual Integrations
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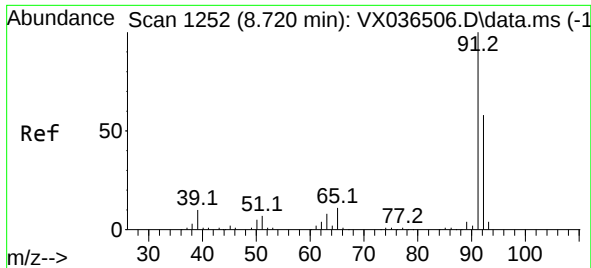
Reviewed By :John Carlone 07/13/2023
 Supervised By :Semsettin Yesilyurt 07/13/2023



#40
 4-Methyl-2-pentanone
 Concen: 4.858 ug/L
 RT: 8.574 min Scan# 1228
 Delta R.T. 0.000 min
 Lab File: VX036513.D
 Acq: 12 Jul 2023 13:29

Tgt Ion: 43 Resp: 14779
 Ion Ratio Lower Upper
 43 100
 58 40.3 31.4 47.0
 100 14.6 12.3 18.5





#42

Toluene

Concen: 2.614 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX036513.D

Acq: 12 Jul 2023 13:29

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT3-2023-05

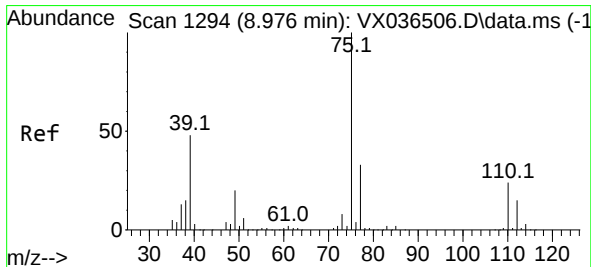
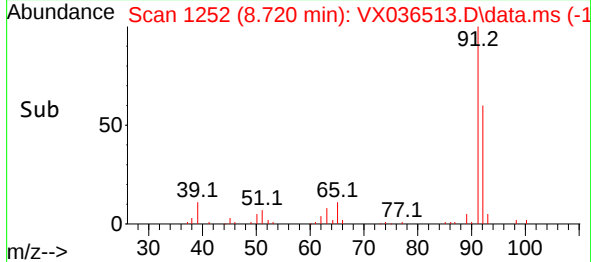
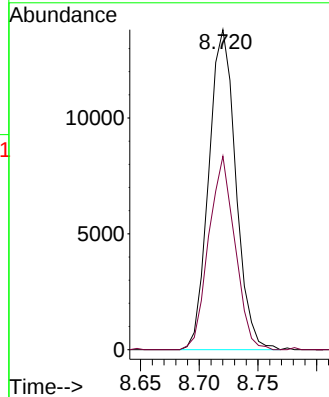
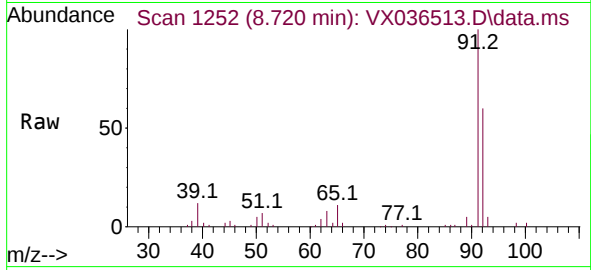
Tgt Ion: 91 Resp: 22079
 Ion Ratio Lower Upper
 91 100
 92 60.5 40.3 74.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Semsettin Yesilyurt 07/13/2023



#44

trans-1,3-Dichloropropene

Concen: 2.377 ug/L

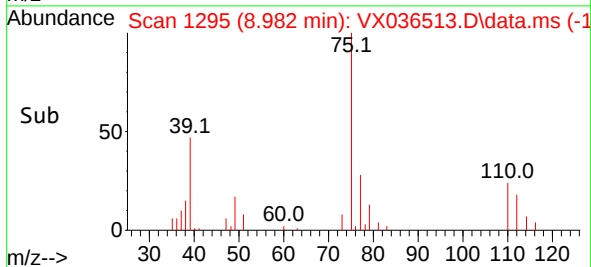
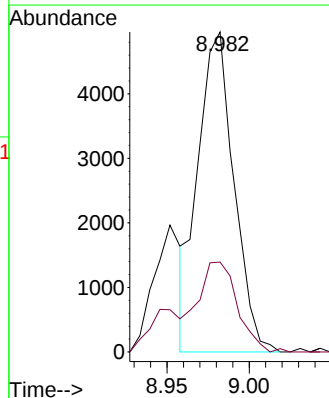
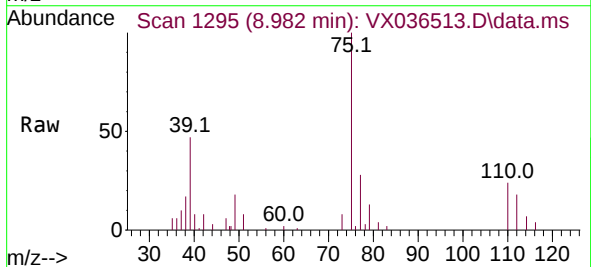
RT: 8.982 min Scan# 1295

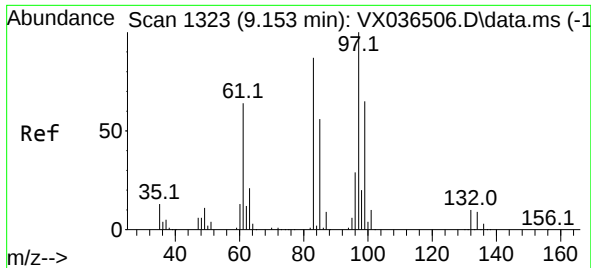
Delta R.T. 0.006 min

Lab File: VX036513.D

Acq: 12 Jul 2023 13:29

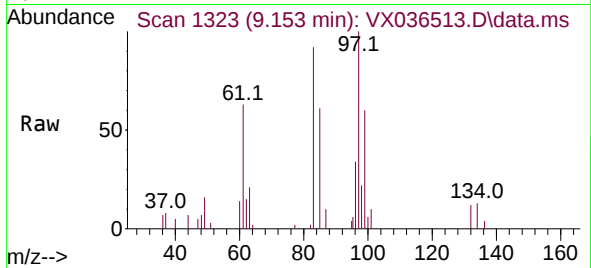
Tgt Ion: 75 Resp: 7527
 Ion Ratio Lower Upper
 75 100
 77 28.1 22.9 42.5





#45
1,1,2-Trichloroethane
Concen: 2.463 ug/L
RT: 9.153 min Scan# 1323
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT3-2023-05

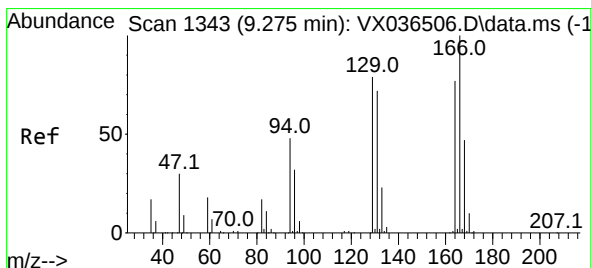
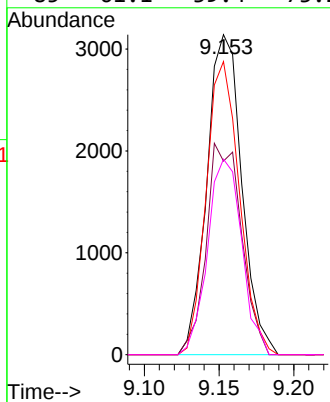
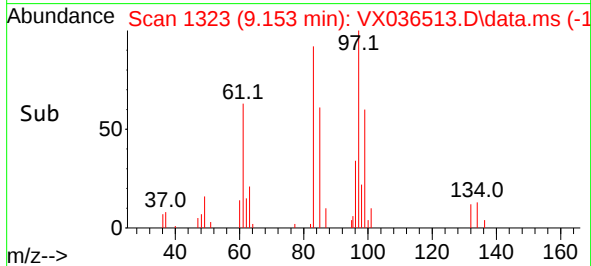


Tgt Ion: 97 Resp: 5110

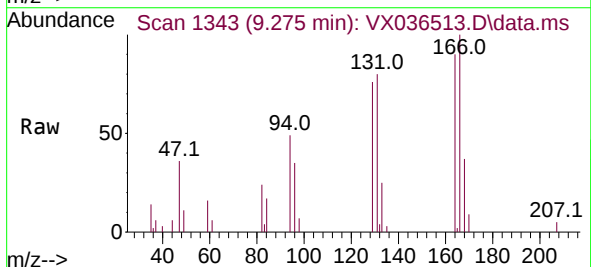
Ion	Ratio	Lower	Upper
97	100		
99	60.5	45.1	83.9
83	91.6	60.6	112.6
85	61.1	39.4	73.2

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Reviewed By :John Carlone 07/13/2023
Supervised By :Semsettin Yesilyurt 07/13/2023

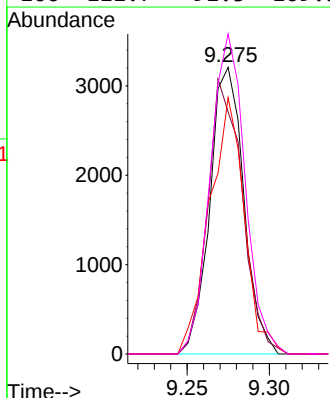
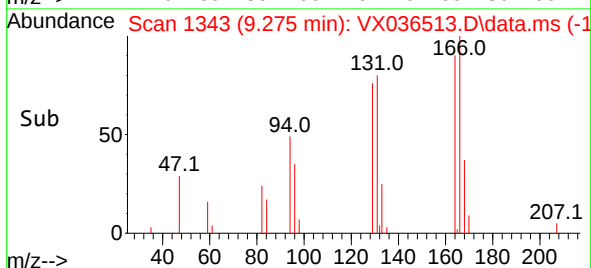


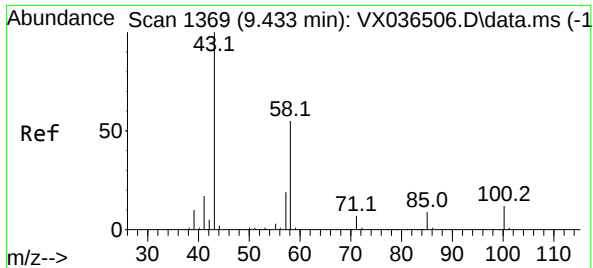
#46
Tetrachloroethene
Concen: 2.990 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29



Tgt Ion: 164 Resp: 4600

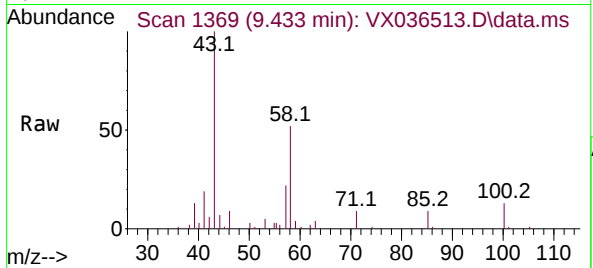
Ion	Ratio	Lower	Upper
164	100		
129	84.4	72.0	133.8
131	89.5	65.7	121.9
166	111.7	91.3	169.5





#48
2-Hexanone
Concen: 5.164 ug/L
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

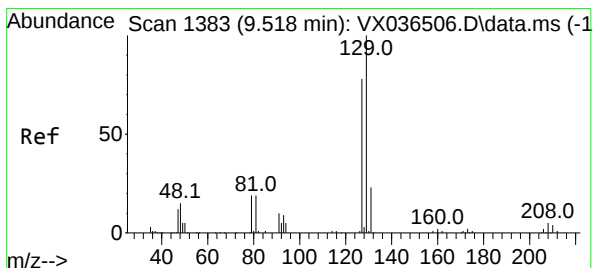
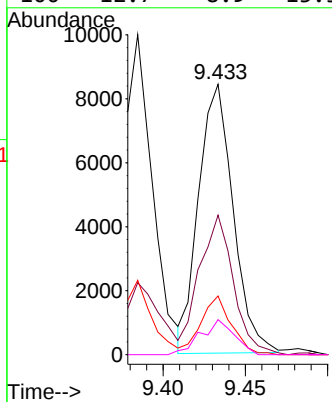
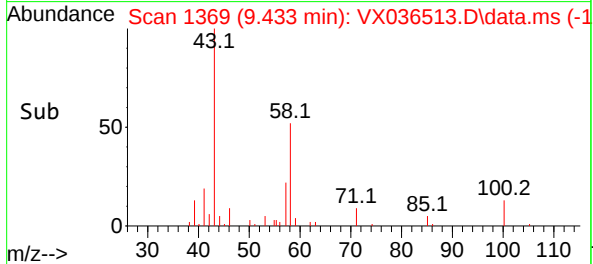
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT3-2023-05



Tgt Ion: 43 Resp: 12270
Ion Ratio Lower Upper
43 100
58 51.5 42.5 63.7
57 19.4 15.0 22.4
100 12.7 8.9 13.3

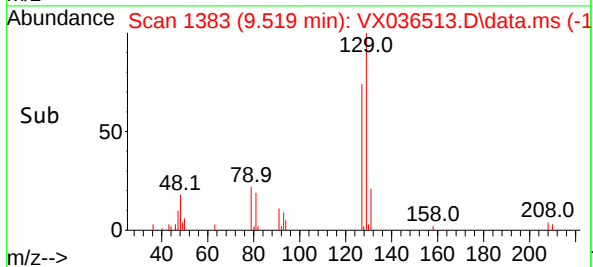
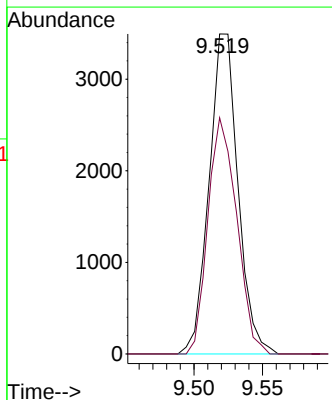
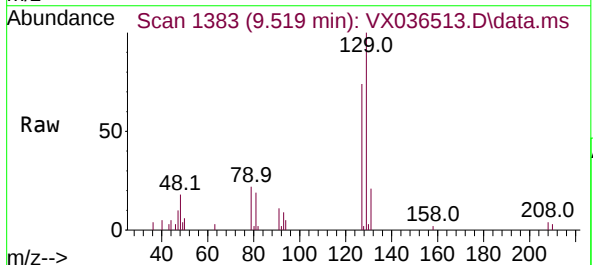
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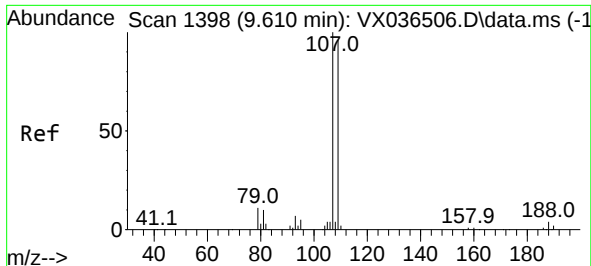
Reviewed By :John Carlone 07/13/2023
Supervised By :Semsettin Yesilyurt 07/13/2023



#49
Dibromochloromethane
Concen: 2.466 ug/L
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

Tgt Ion:129 Resp: 5135
Ion Ratio Lower Upper
129 100
127 73.8 54.8 101.8





#50

1,2-Dibromoethane

Concen: 2.432 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VX036513.D

Acq: 12 Jul 2023 13:29

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT3-2023-05

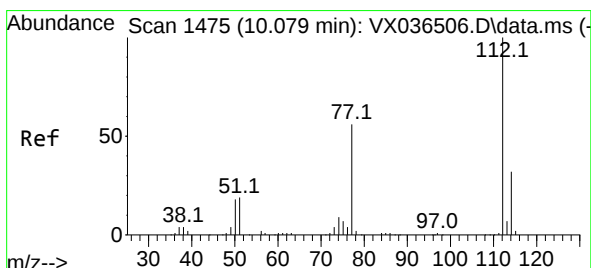
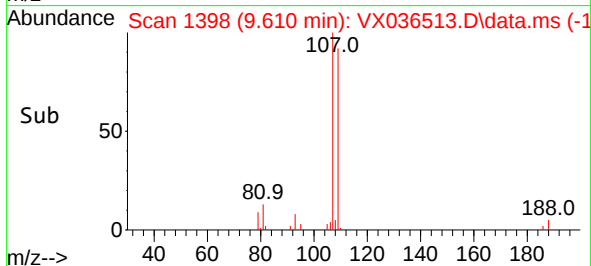
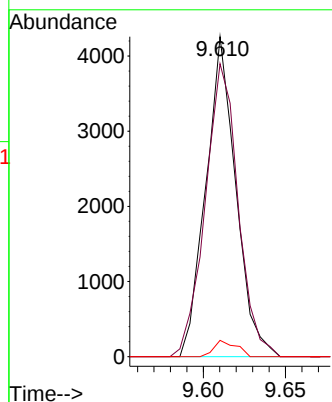
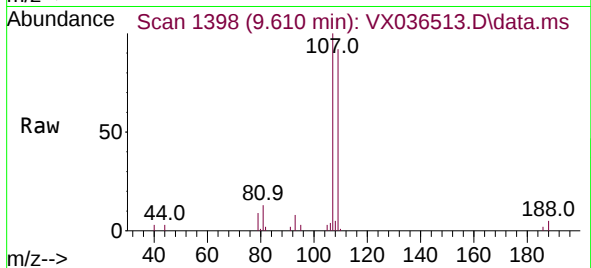
Tgt Ion:	107	Resp:	5408
Ion	Ratio	Lower	Upper
107	100		
109	91.6	67.3	124.9
188	5.1	2.8	4.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Semsettin Yesilyurt 07/13/2023



#51

Chlorobenzene

Concen: 2.636 ug/L

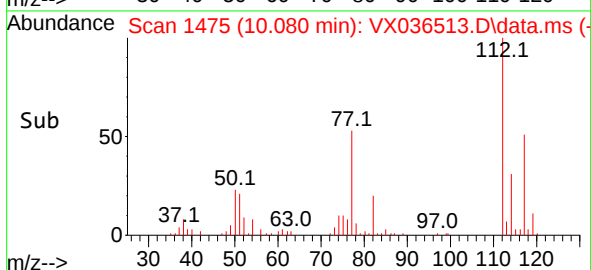
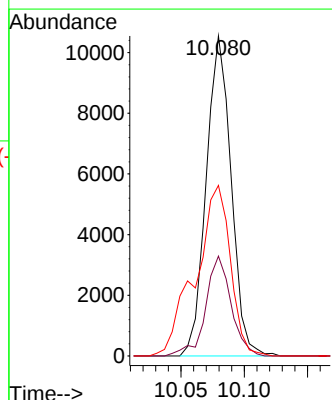
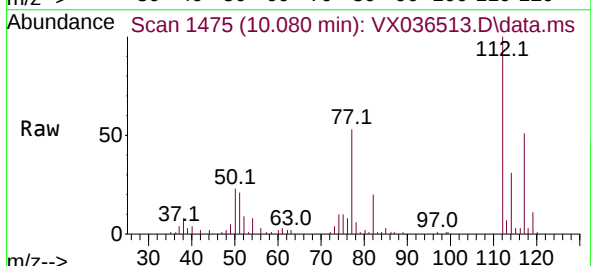
RT: 10.080 min Scan# 1475

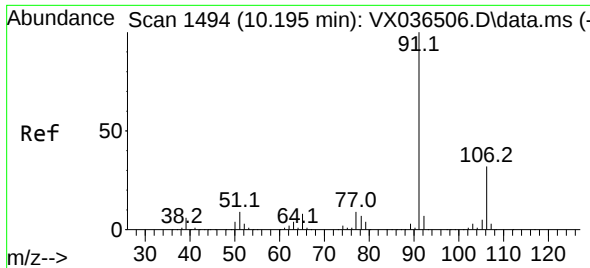
Delta R.T. 0.000 min

Lab File: VX036513.D

Acq: 12 Jul 2023 13:29

Tgt Ion:	112	Resp:	14477
Ion	Ratio	Lower	Upper
112	100		
114	31.2	22.3	41.3
77	53.3	45.2	67.8





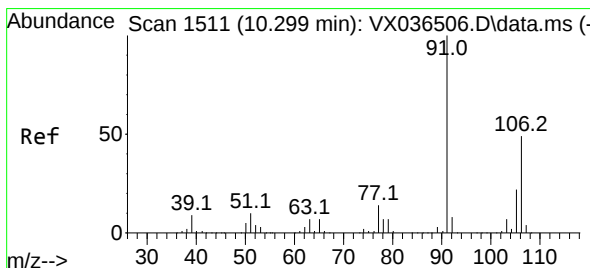
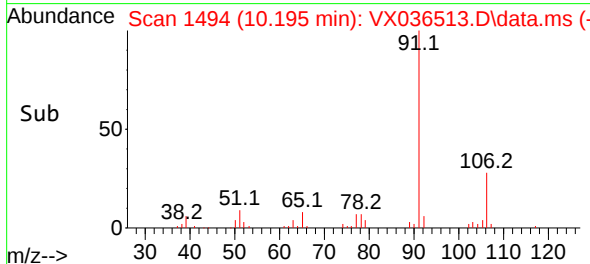
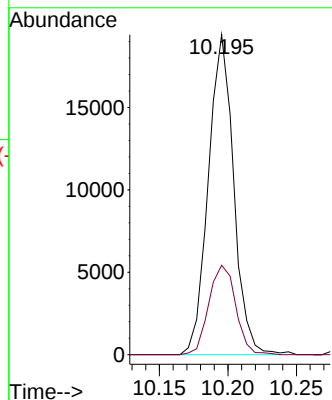
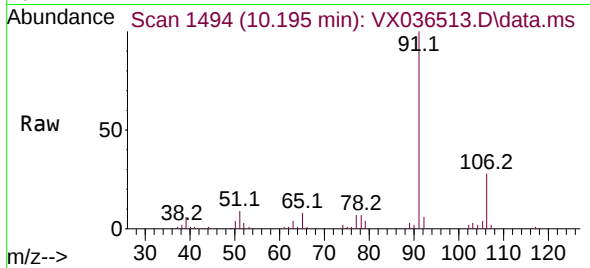
#52
Ethylbenzene
Concen: 2.682 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2023-05

Tgt Ion: 91 Resp: 2492
Ion Ratio Lower Upper
91 100
106 28.0 22.1 41.1

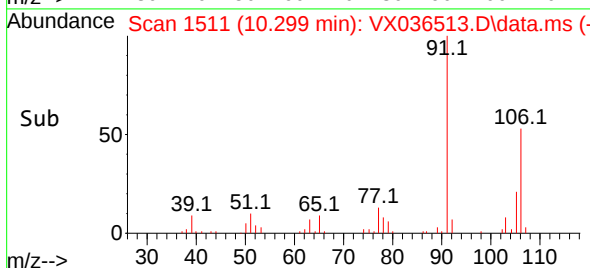
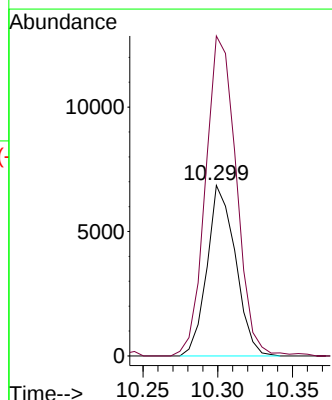
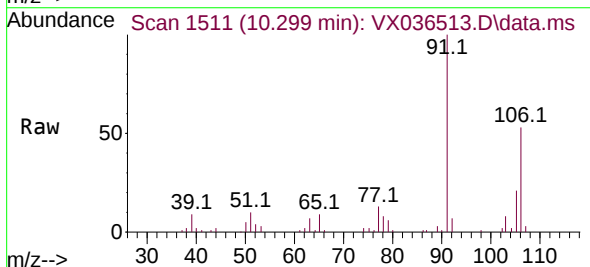
Manual Integrations
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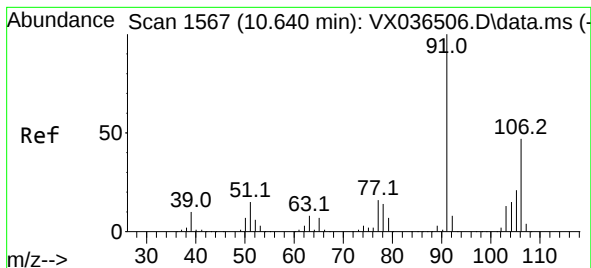
Reviewed By :John Carlone 07/13/2023
Supervised By :Semsettin Yesilyurt 07/13/2023



#53
m,p-Xylene
Concen: 2.558 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

Tgt Ion:106 Resp: 9072
Ion Ratio Lower Upper
106 100
91 187.5 143.1 265.9





#54

o-Xylene

Concen: 2.434 ug/L

RT: 10.647 min Scan# 1567

Delta R.T. 0.006 min

Lab File: VX036513.D

Acq: 12 Jul 2023 13:29

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT3-2023-05

Tgt Ion:106 Resp: 8560

Ion Ratio Lower Upper

106 100

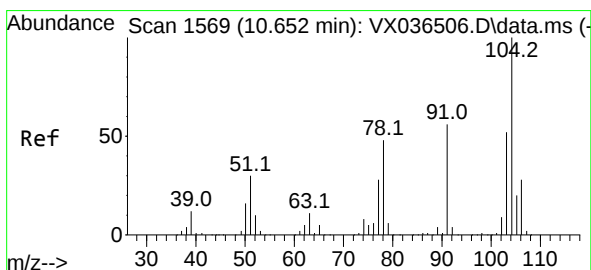
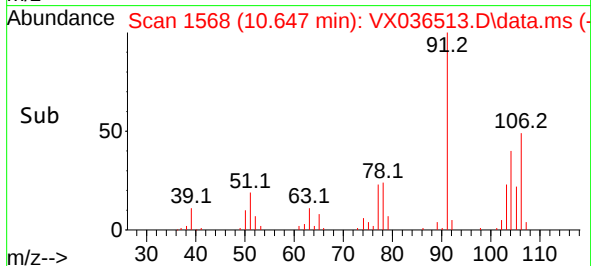
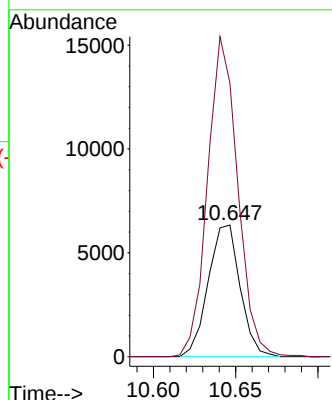
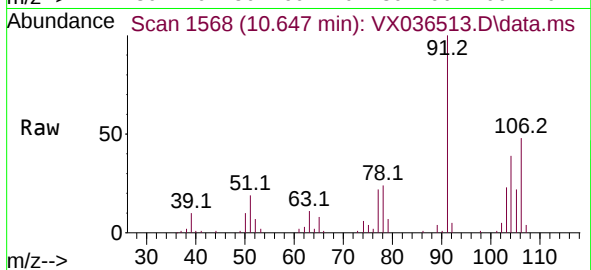
91 207.7 147.8 274.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Semsettin Yesilyurt 07/13/2023



#55

Styrene

Concen: 2.481 ug/L

RT: 10.659 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX036513.D

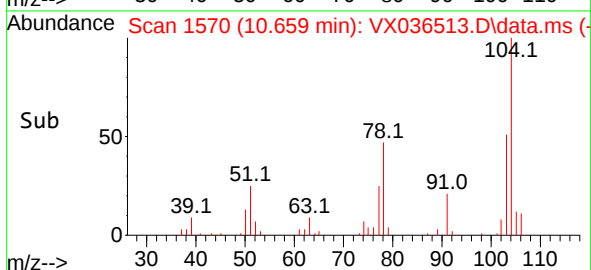
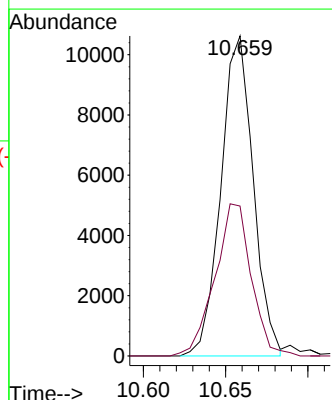
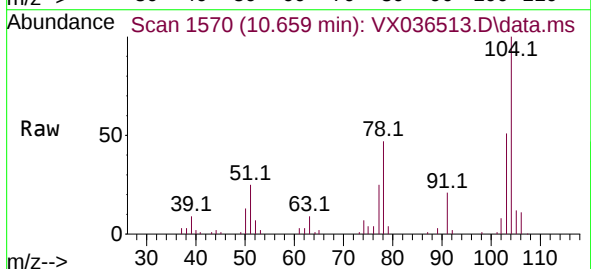
Acq: 12 Jul 2023 13:29

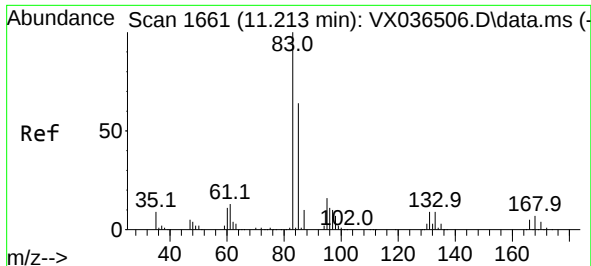
Tgt Ion:104 Resp: 14545

Ion Ratio Lower Upper

104 100

78 46.9 33.5 62.3





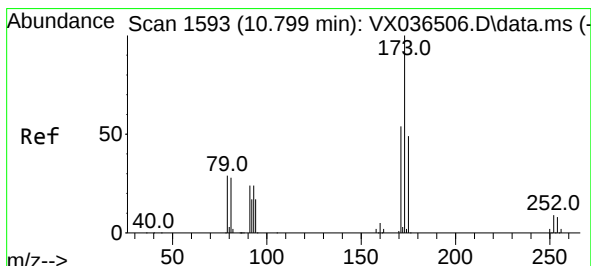
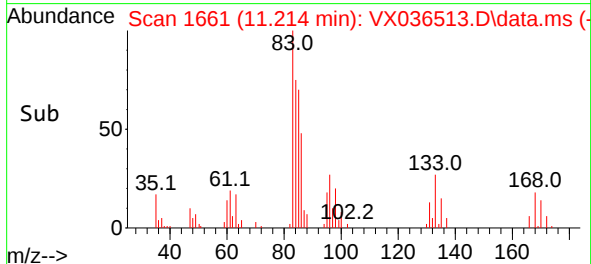
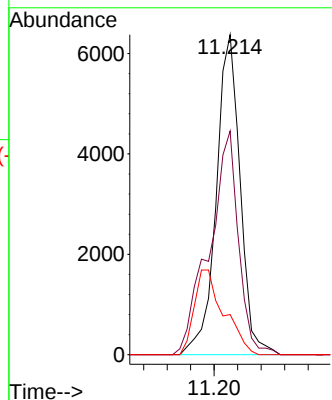
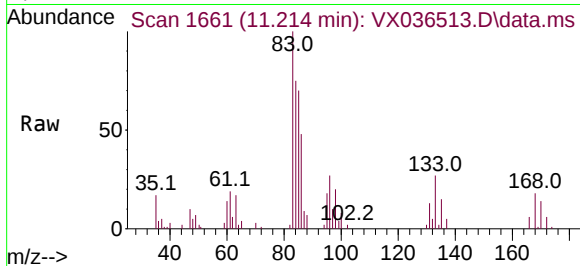
#57
1,1,2,2-Tetrachloroethane
Concen: 2.797 ug/L
RT: 11.214 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT3-2023-05

Tgt Ion: 83 Resp: 9014
Ion Ratio Lower Upper
83 100
85 69.9 44.9 83.3
131 12.5 7.4 11.0

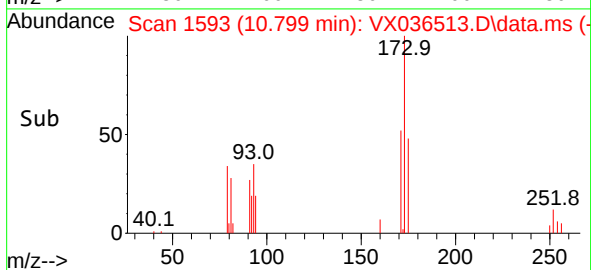
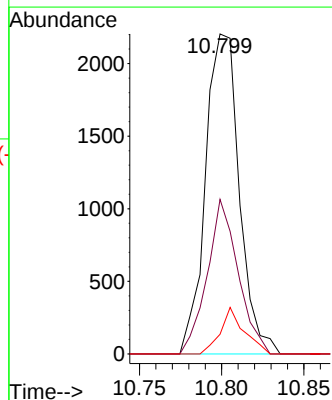
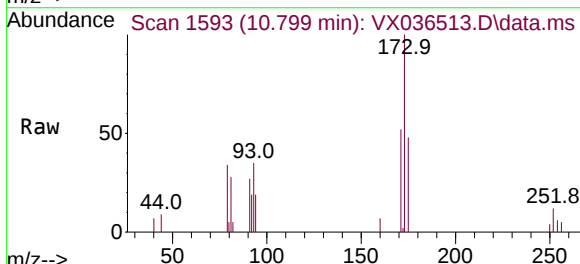
Manual Integrations
APPROVED

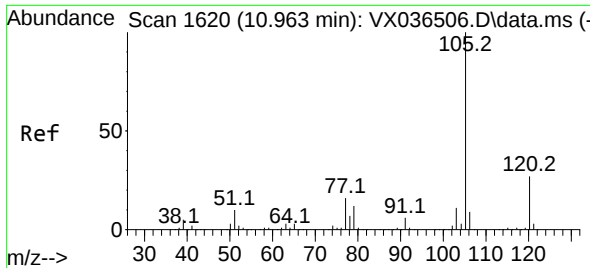
Reviewed By :John Carlone 07/13/2023
Supervised By :Semsettin Yesilyurt 07/13/2023



#59
Bromoform
Concen: 2.175 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

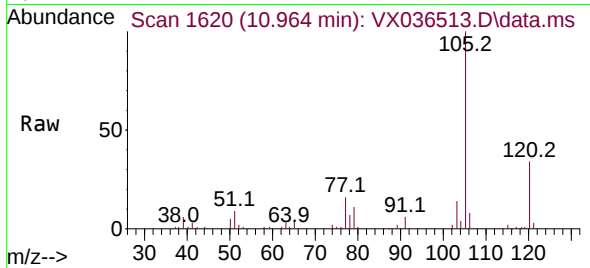
Tgt Ion:173 Resp: 3159
Ion Ratio Lower Upper
173 100
175 44.1 39.5 59.3
254 10.2 7.0 10.4





#60
Isopropylbenzene
Concen: 2.694 ug/L
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

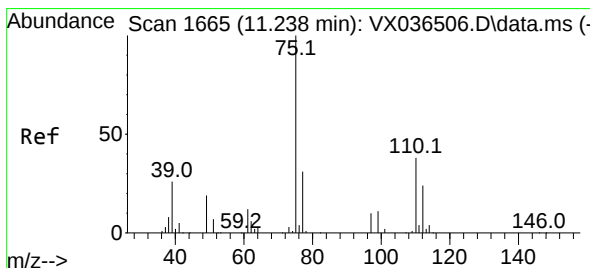
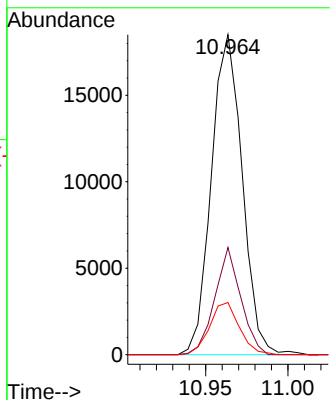
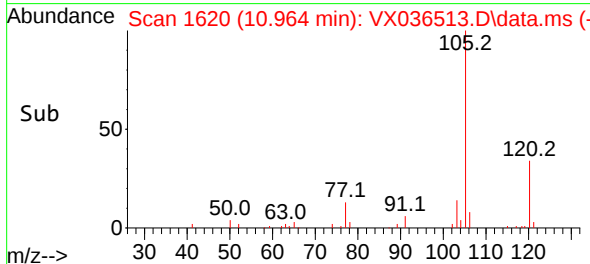
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2023-05



Tgt Ion:105 Resp: 2406
Ion Ratio Lower Upper
105 100
120 28.4 21.5 32.3
77 15.8 12.7 19.1

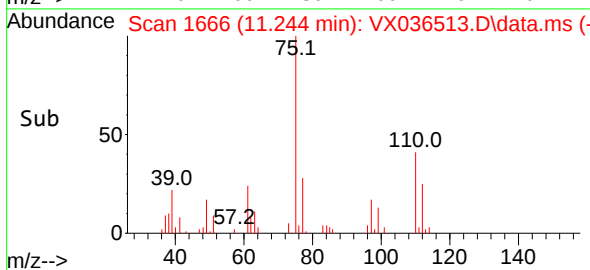
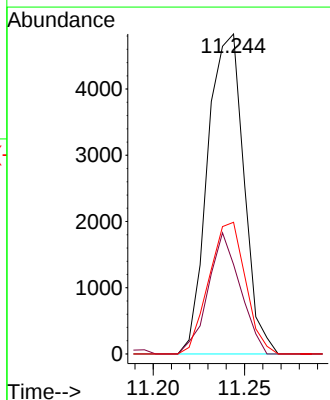
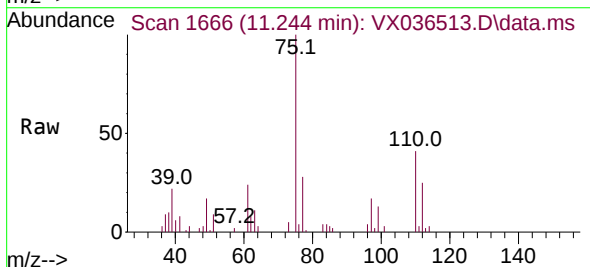
Manual Integrations
APPROVED

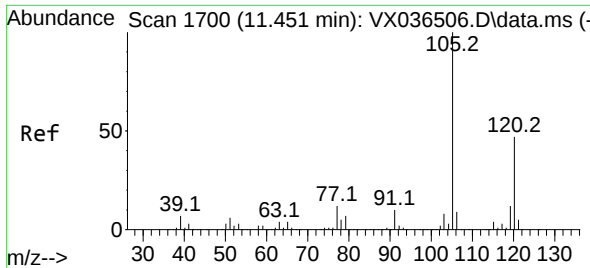
Reviewed By :John Carlone 07/13/2023
Supervised By :Semsettin Yesilyurt 07/13/2023



#61
1,2,3-Trichloropropane
Concen: 2.653 ug/L
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

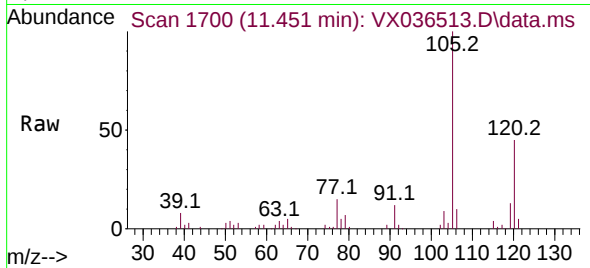
Tgt Ion: 75 Resp: 6655
Ion Ratio Lower Upper
75 100
77 33.4 25.4 38.0
110 41.6 29.9 44.9





#62
1,3,5-Trimethylbenzene
Concen: 2.576 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

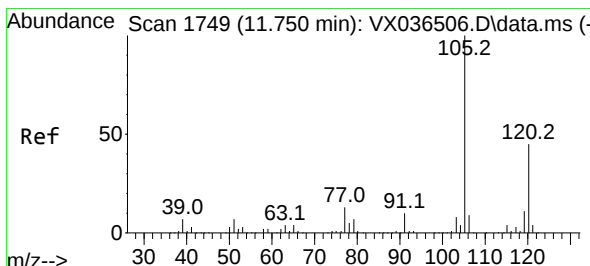
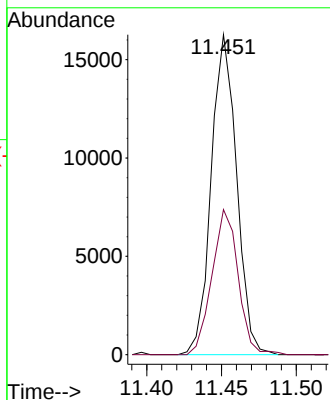
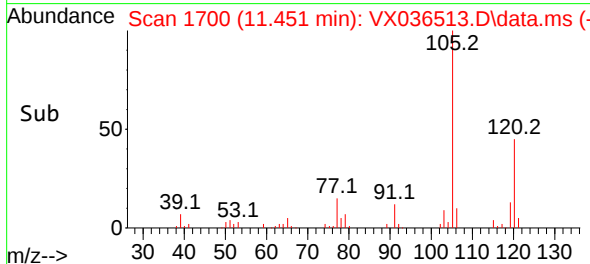
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2023-05



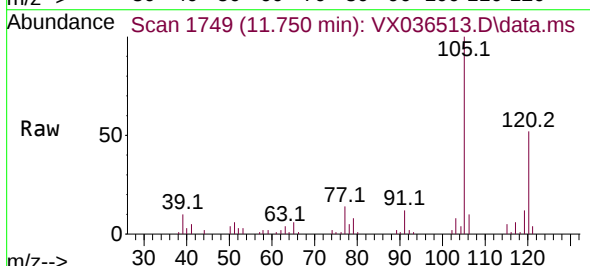
Tgt Ion:105 Resp: 1923
Ion Ratio Lower Upper
105 100
120 46.2 38.3 57.5

Manual Integrations
APPROVED

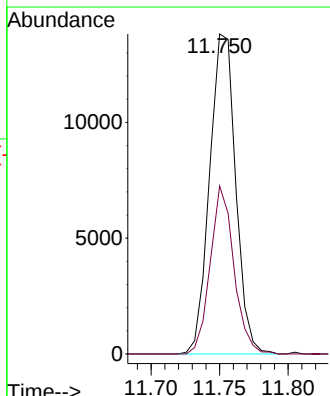
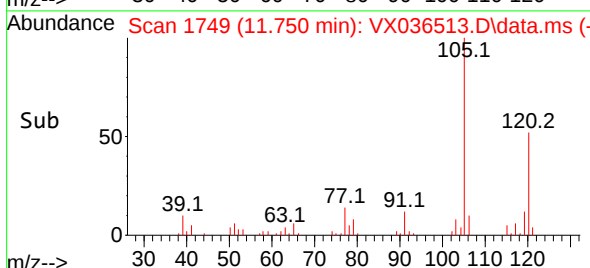
Reviewed By :John Carlone 07/13/2023
Supervised By :Semsettin Yesilyurt 07/13/2023

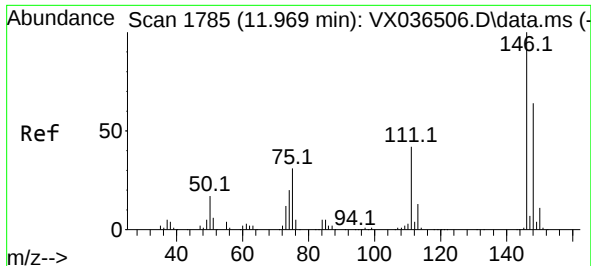


#63
1,2,4-Trimethylbenzene
Concen: 2.442 ug/L
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29



Tgt Ion:105 Resp: 18284
Ion Ratio Lower Upper
105 100
120 47.5 36.7 55.1





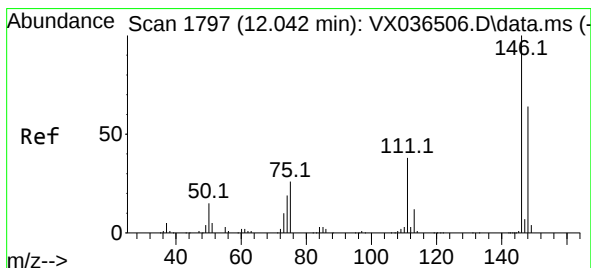
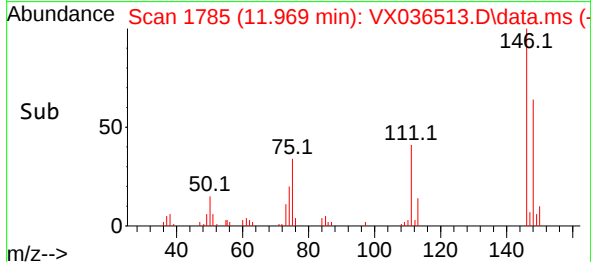
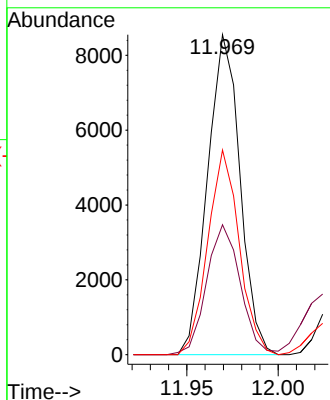
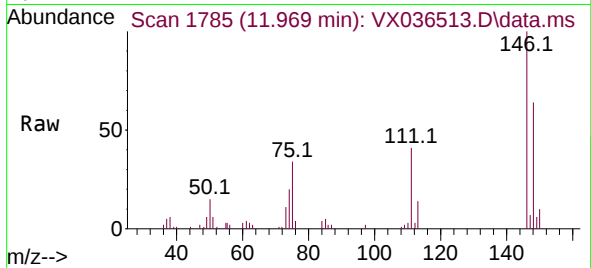
#64
1,3-Dichlorobenzene
Concen: 2.648 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2023-05

Tgt Ion:146 Resp: 10582
Ion Ratio Lower Upper
146 100
111 40.6 29.5 54.7
148 63.9 44.9 83.5

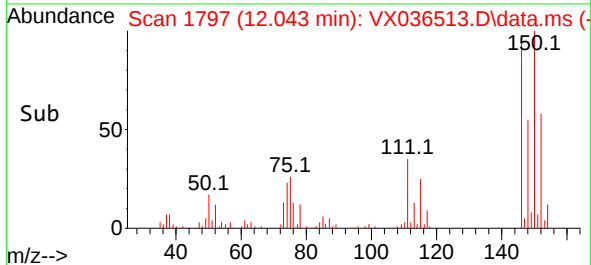
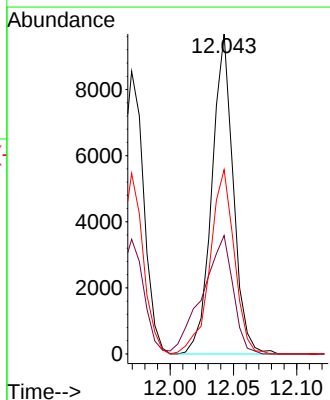
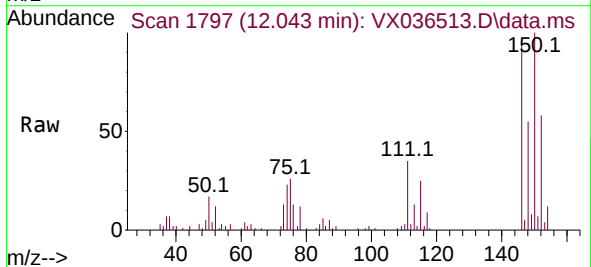
Manual Integrations
APPROVED

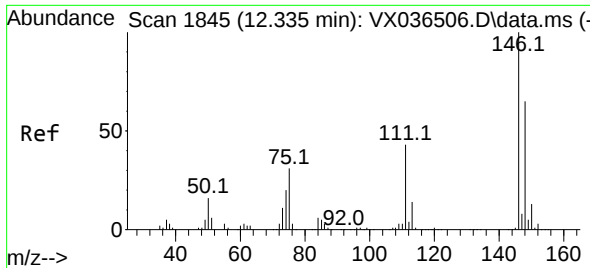
Reviewed By :John Carlone 07/13/2023
Supervised By :Semsettin Yesilyurt 07/13/2023



#65
1,4-Dichlorobenzene
Concen: 2.820 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

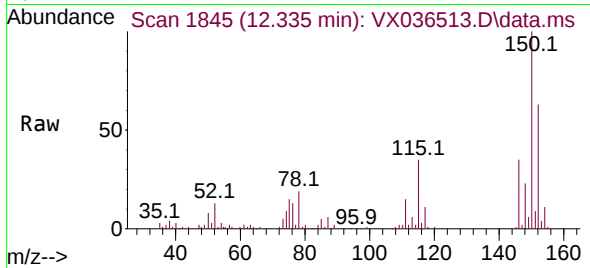
Tgt Ion:146 Resp: 11379
Ion Ratio Lower Upper
146 100
111 37.0 27.1 50.3
148 57.6 45.2 84.0





#67
1,2-Dichlorobenzene
Concen: 2.716 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

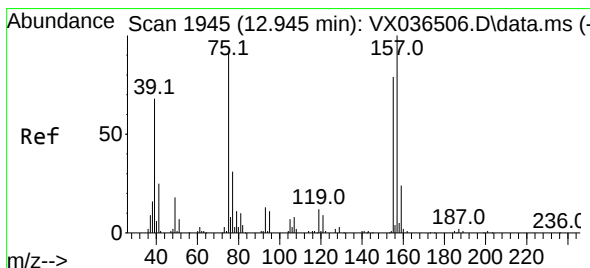
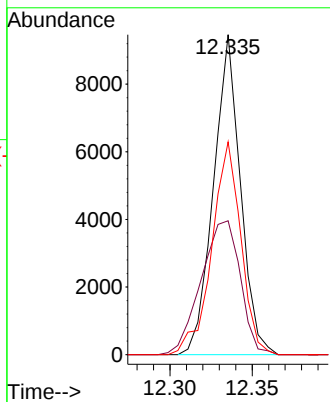
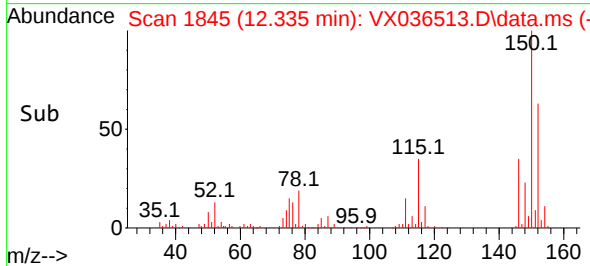
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT3-2023-05



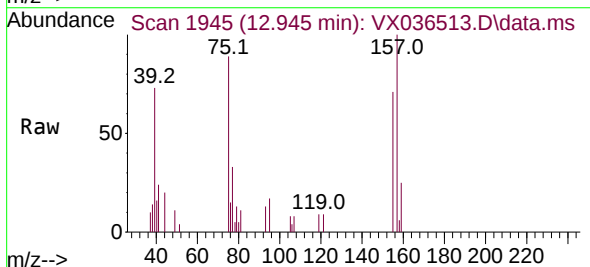
Tgt Ion:146 Resp: 10769
Ion Ratio Lower Upper
146 100
111 41.8 34.4 51.6
148 66.5 51.9 77.9

Manual Integrations
APPROVED

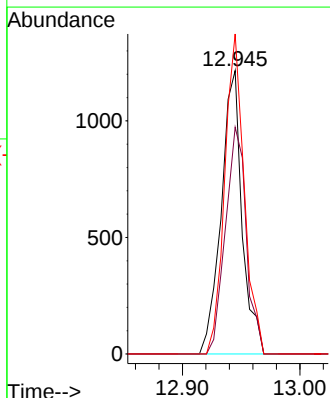
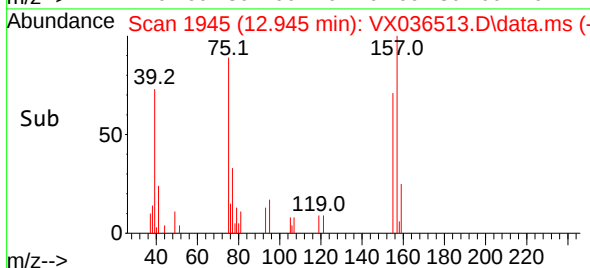
Reviewed By :John Carlone 07/13/2023
Supervised By :Semsettin Yesilyurt 07/13/2023

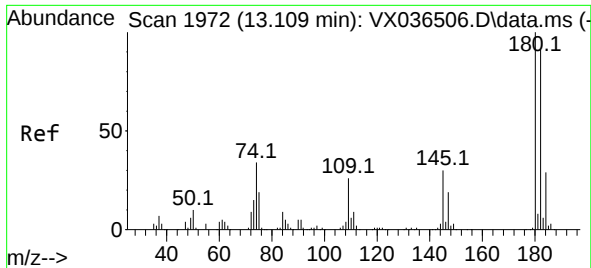


#68
1,2-Dibromo-3-chloropropane
Concen: 2.250 ug/L
RT: 12.945 min Scan# 1945
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29



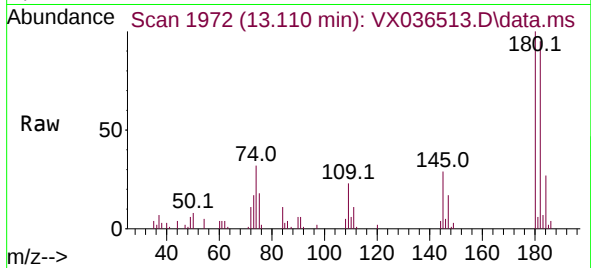
Tgt Ion: 75 Resp: 1504
Ion Ratio Lower Upper
75 100
155 80.0 68.4 102.6
157 112.9 86.8 130.2





#69
1,3,5-Trichlorobenzene
Concen: 2.699 ug/L
RT: 13.110 min Scan# 1972
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

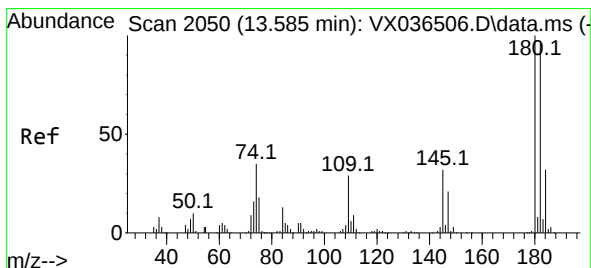
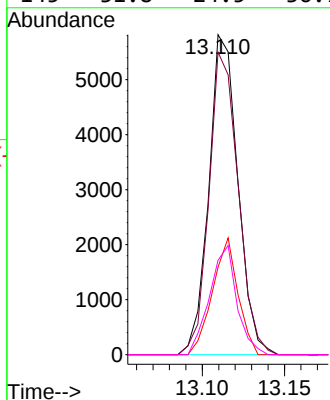
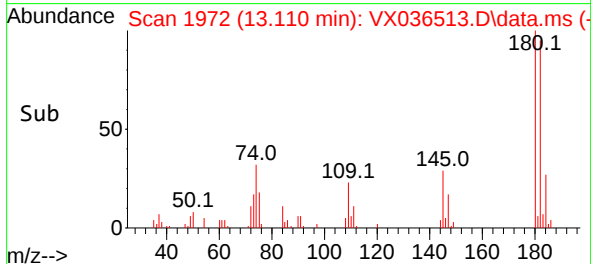
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT3-2023-05



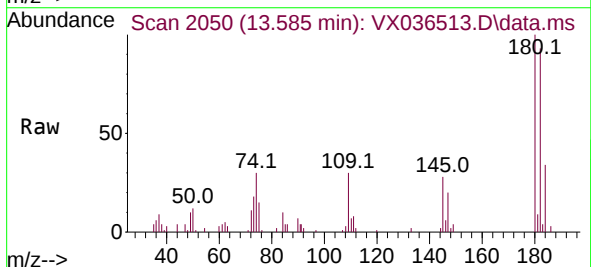
Tgt Ion:180 Resp: 7150
Ion Ratio Lower Upper
180 100
182 94.6 75.2 112.8
184 31.9 23.9 35.9
145 31.8 24.5 36.7

Manual Integrations
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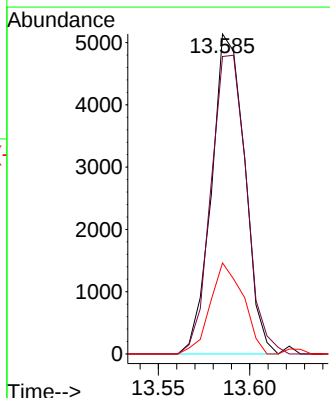
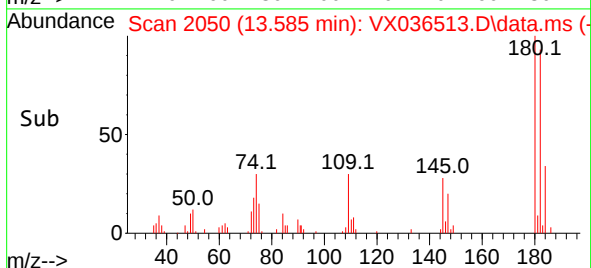
Reviewed By :John Carlone 07/13/2023
Supervised By :Semsettin Yesilyurt 07/13/2023

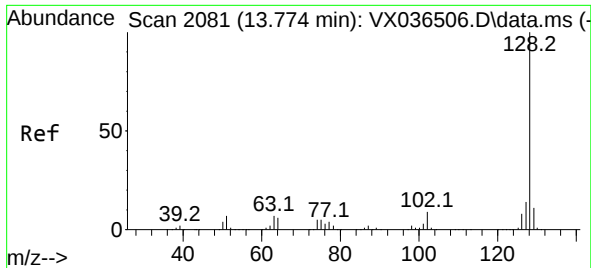


#70
1,2,4-trichlorobenzene
Concen: 2.595 ug/L
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29



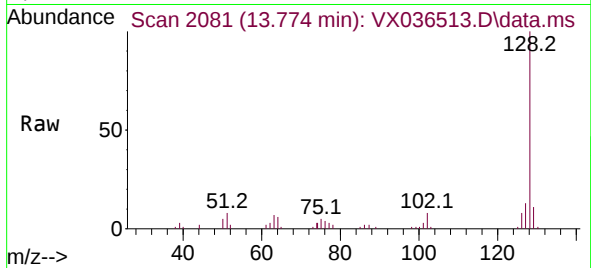
Tgt Ion:180 Resp: 6490
Ion Ratio Lower Upper
180 100
182 99.2 74.7 112.1
145 28.3 25.3 37.9





#71
Naphthalene
Concen: 2.405 ug/L
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29

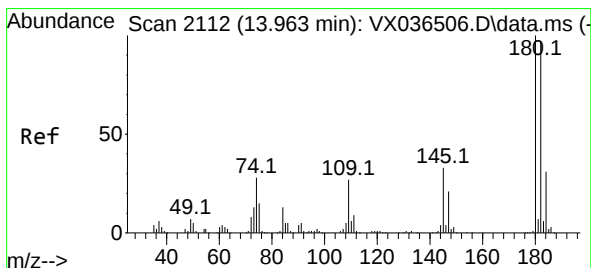
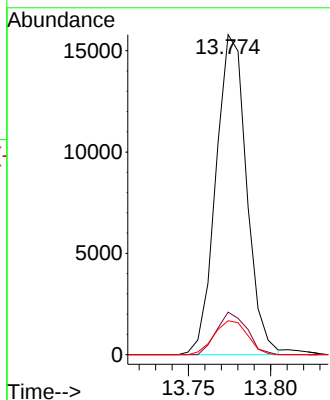
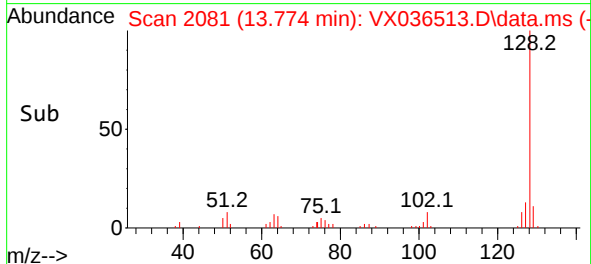
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT3-2023-05



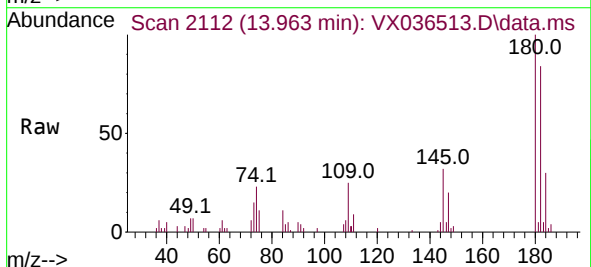
Tgt Ion:128 Resp: 20524
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 11.5 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/13/2023
Supervised By :Semsettin Yesilyurt 07/13/2023



#72
1,2,3-Trichlorobenzene
Concen: 2.750 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX036513.D
Acq: 12 Jul 2023 13:29



Tgt Ion:180 Resp: 6702
Ion Ratio Lower Upper
180 100
182 89.5 78.6 117.8
145 34.2 27.5 41.3

