

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081622\
 Data File : VX030646.D
 Acq On : 16 Aug 2022 11:38
 Operator : JC/MD
 Sample : N4015-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT3-2022-06

Quant Time: Aug 17 02:43:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML080422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 17 02:19:30 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/17/2022
 Supervised By : Semsettin Yesilyurt 08/17/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	271757	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	246482	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	113657	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	50569	28.976	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	57.960%#		
7) Chloroethane-d5	1.666	69	49160	39.959	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	79.920%		
11) 1,1-Dichloroethene-d2	2.307	63	92855	28.128	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	56.260%#		
21) 2-Butanone-d5	4.465	46	205193	126.898	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	126.900%		
24) Chloroform-d	5.062	84	163184	45.424	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.840%		
26) 1,2-Dichloroethane-d4	5.958	65	116995	47.962	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.920%		
32) Benzene-d6	5.977	84	291886	41.341	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.680%		
36) 1,2-Dichloropropane-d6	7.312	67	109815	47.939	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.880%		
41) Toluene-d8	8.653	98	245250	36.851	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	73.700%#		
43) trans-1,3-Dichloroprop...	8.952	79	46091	40.446	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.900%		
47) 2-Hexanone-d5	9.385	63	137283	117.576	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	117.580%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	174860	58.108	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	116.220%		
66) 1,2-Dichlorobenzene-d4	12.323	152	99106	44.956	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.920%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	4105	2.007	ug/L	98
3) Chloromethane	1.288	50	3754	2.135	ug/L #	82
5) Vinyl chloride	1.374	62	4386	2.335	ug/L #	70
6) Bromomethane	1.612	94	1669	1.891	ug/L	85
8) Chloroethane	1.685	64	2764	2.584	ug/L	91
9) Trichlorofluoromethane	1.886	101	6050	2.180	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	4556	2.760	ug/L	92
12) 1,1-Dichloroethene	2.319	96	4097	2.694	ug/L #	1
13) Acetone	2.392	43	6122	5.166	ug/L	98
14) Carbon disulfide	2.508	76	9411	1.909	ug/L	100
15) Methyl Acetate	2.715	43	6366	2.595	ug/L	98
16) Methylene chloride	2.794	84	5875	3.046	ug/L	92
17) trans-1,2-Dichloroethene	3.093	96	3954	2.244	ug/L	91
18) Methyl tert-butyl Ether	3.123	73	13865	2.314	ug/L	99
19) 1,1-Dichloroethane	3.611	63	8059	2.365	ug/L #	88
20) cis-1,2-Dichloroethene	4.489	96	5045	2.545	ug/L	83
22) 2-Butanone	4.580	43	9468m	5.064	ug/L	
23) Bromochloromethane	4.910	128	2550	2.565	ug/L #	80
27) 1,2-Dichloroethane	6.086	62	7360m	2.469	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.458	56	6526m	1.992	ug/L	
30) 1,1,1-Trichloroethane	5.379	97	7111m	2.187	ug/L	
31) Carbon tetrachloride	5.678	117	5780	2.154	ug/L	93
33) Benzene	6.044	78	18279	2.313	ug/L	100
35) Methylcyclohexane	7.385	83	6344	1.904	ug/L	96
37) 1,2-Dichloropropane	7.428	63	5451	2.594	ug/L #	93
38) Bromodichloromethane	7.830	83	6513	2.342	ug/L #	97
39) cis-1,3-Dichloropropene	8.373	75	6527m	2.082	ug/L	
40) 4-Methyl-2-pentanone	8.580	43	15956	4.361	ug/L	98
42) Toluene	8.720	91	19119	2.290	ug/L	98
44) trans-1,3-Dichloropropene	8.982	75	6972	2.273	ug/L	91
45) 1,1,2-Trichloroethane	9.159	97	4779	2.446	ug/L	97
46) Tetrachloroethene	9.281	164	3053	2.111	ug/L	89
49) Dibromochloromethane	9.525	129	4788	2.303	ug/L	87
50) 1,2-Dibromoethane	9.616	107	5036	2.344	ug/L #	93
51) Chlorobenzene	10.080	112	12829	2.467	ug/L	97
52) Ethylbenzene	10.195	91	18917	2.078	ug/L	94
53) m,p-Xylene	10.299	106	6999	2.063	ug/L	94
54) o-Xylene	10.640	106	6737	1.993	ug/L	90
55) Styrene	10.659	104	10816	1.900	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.213	83	8619	2.899	ug/L	95
59) Bromoform	10.805	173	2716	2.194	ug/L #	92
60) Isopropylbenzene	10.964	105	17073	2.119	ug/L	97
61) 1,2,3-Trichloropropane	11.244	75	6366	2.608	ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	14155	2.058	ug/L	97
63) 1,2,4-Trimethylbenzene	11.756	105	13371	1.925	ug/L	95
64) 1,3-Dichlorobenzene	11.969	146	8007	2.286	ug/L	99
65) 1,4-Dichlorobenzene	12.043	146	8077	2.269	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	8416	2.324	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.945	75	1612	2.002	ug/L #	80
69) 1,3,5-Trichlorobenzene	13.116	180	5100	2.077	ug/L	94
70) 1,2,4-trichlorobenzene	13.591	180	4600	2.133	ug/L	94
71) Naphthalene	13.780	128	16860	1.888	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	5085	2.232	ug/L	95

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

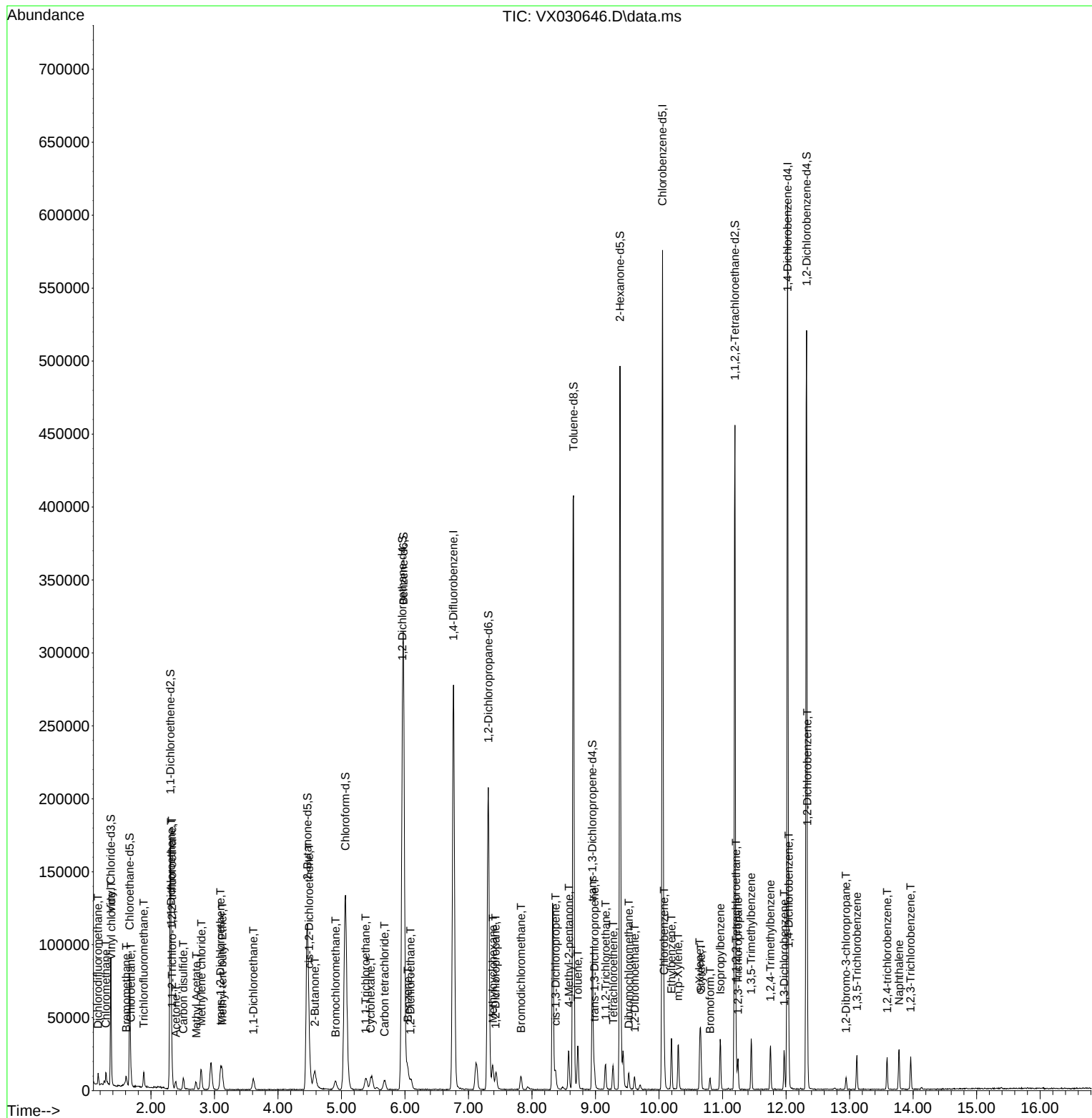
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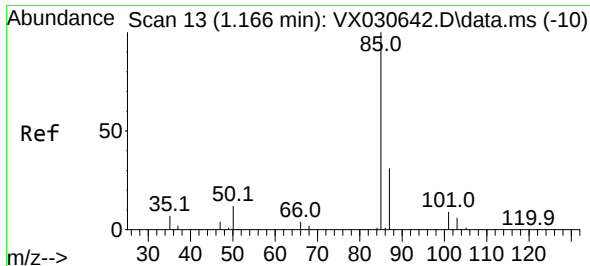
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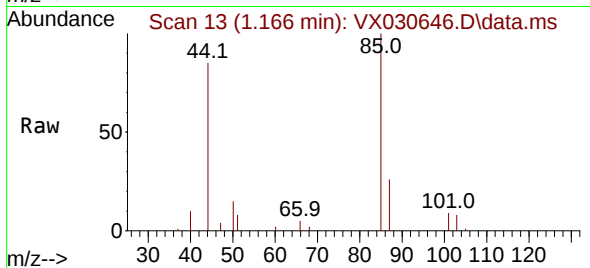
Reviewed By :John Carlone 08/17/2022
Supervised By :Semsettin Yesilyurt 08/17/2022





#2
Dichlorodifluoromethane
Concen: 2.007 ug/L
RT: 1.166 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

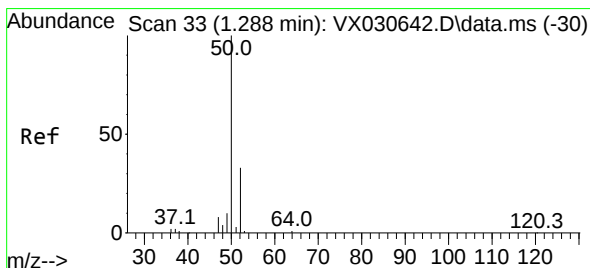
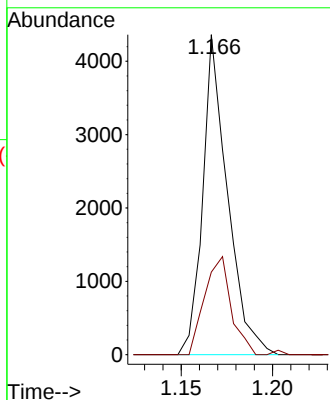
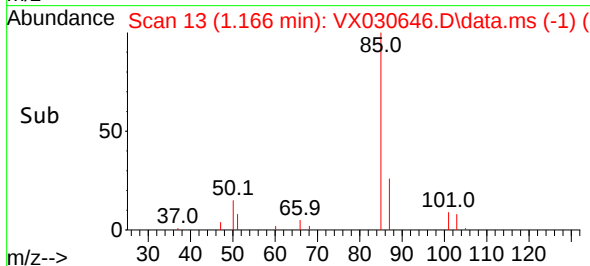
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT3-2022-06



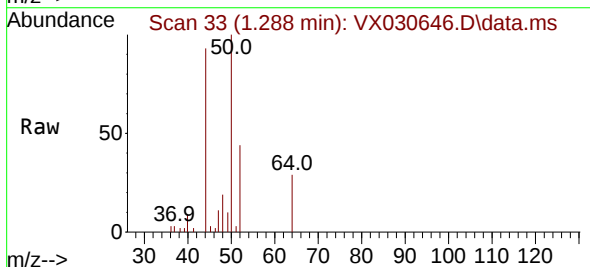
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Ion Ratio Lower Upper
85 100
87 32.9 25.6 38.4

Manual Integrations
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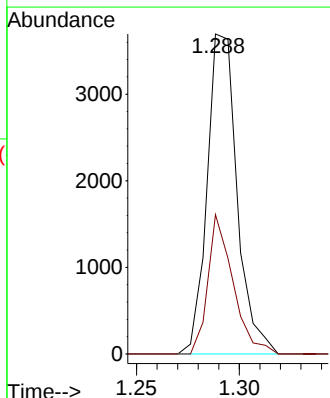
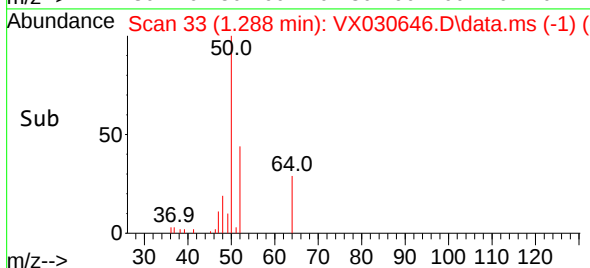
Reviewed By :John Carlone 08/17/2022
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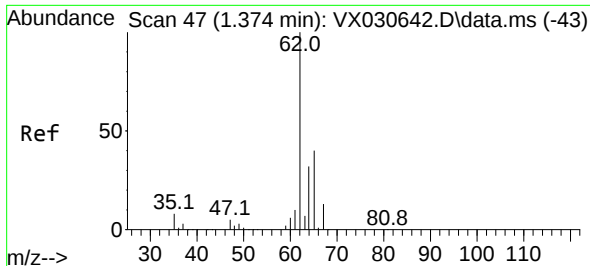


#3
Chloromethane
Concen: 2.135 ug/L
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38



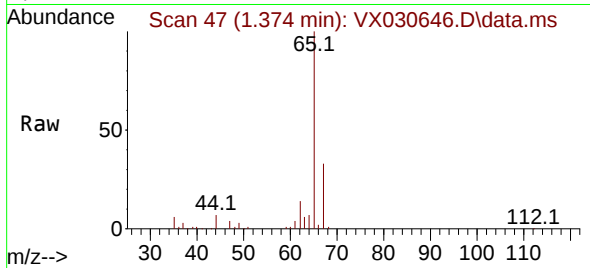
Tgt Ion: 50 Resp: 3754
Ion Ratio Lower Upper
50 100
52 43.5 23.3 43.3#





#5
 Vinyl chloride
 Concen: 2.335 ug/L
 RT: 1.374 min Scan# 47
 Delta R.T. 0.000 min
 Lab File: VX030646.D
 Acq: 16 Aug 2022 11:38

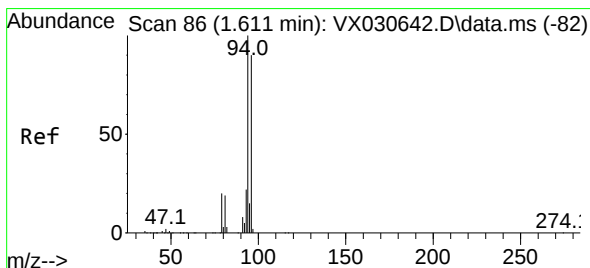
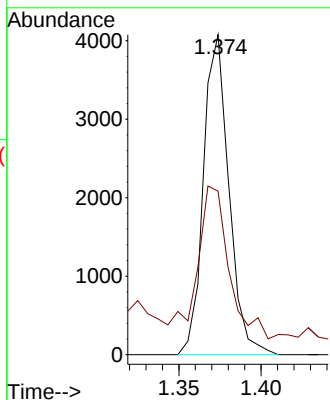
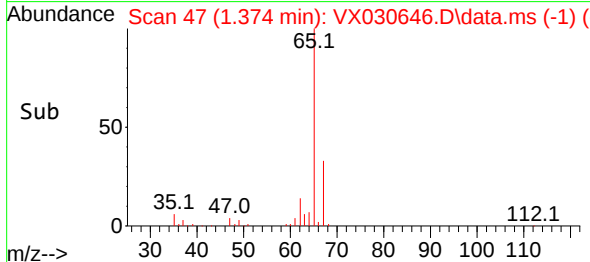
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 ClientSampleId :
 MDL-WATER-QT3-2022-06



Tgt Ion: 62 Resp: 4380
 Ion Ratio Lower Upper
 62 100
 64 51.1 23.8 44.2

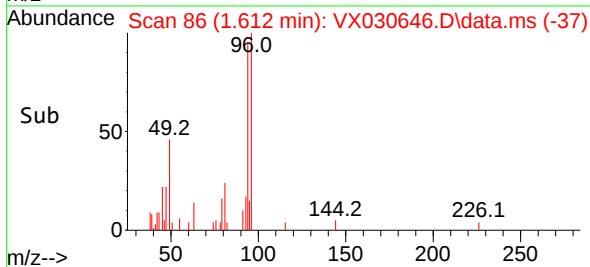
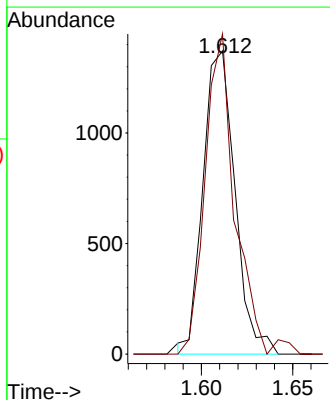
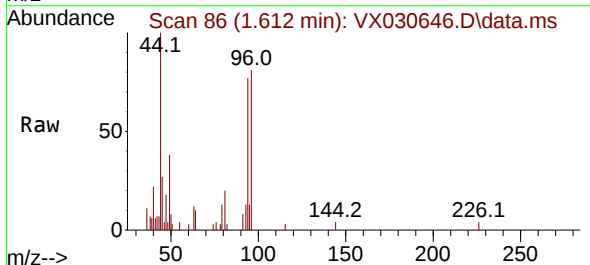
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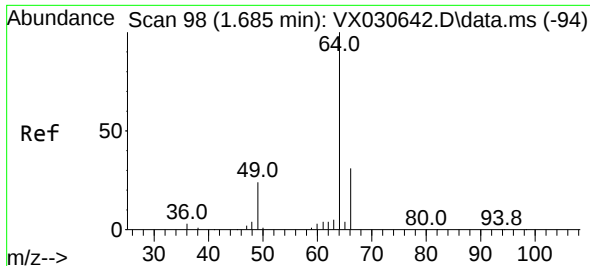
Reviewed By :John Carlone 08/17/2022
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#6
 Bromomethane
 Concen: 1.891 ug/L
 RT: 1.612 min Scan# 86
 Delta R.T. 0.000 min
 Lab File: VX030646.D
 Acq: 16 Aug 2022 11:38

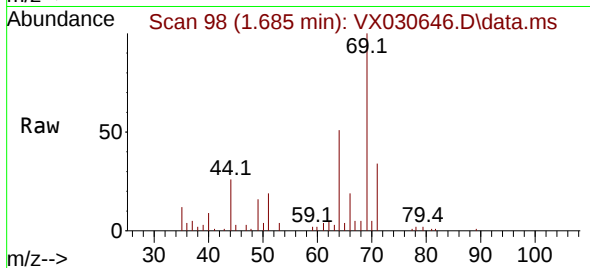
Tgt Ion: 94 Resp: 1669
 Ion Ratio Lower Upper
 94 100
 96 105.6 63.8 118.6





#8
Chloroethane
Concen: 2.584 ug/L
RT: 1.685 min Scan# 98
Delta R.T. 0.000 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

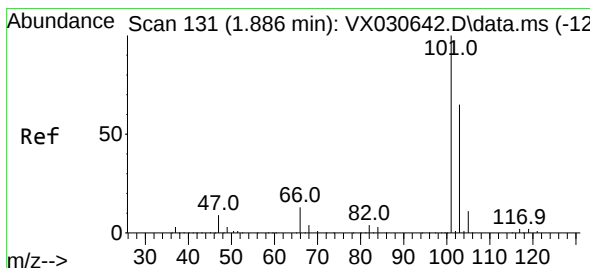
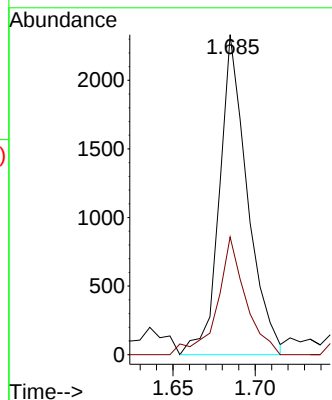
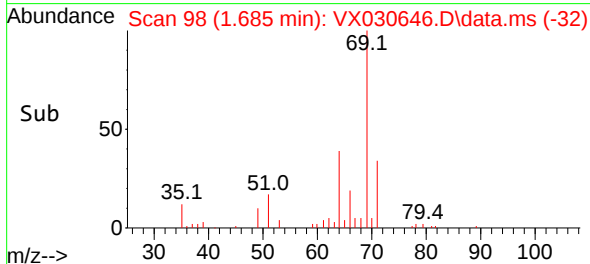
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Tgt Ion: 64 Resp: 2764
Ion Ratio Lower Upper
64 100
66 36.8 22.1 41.1

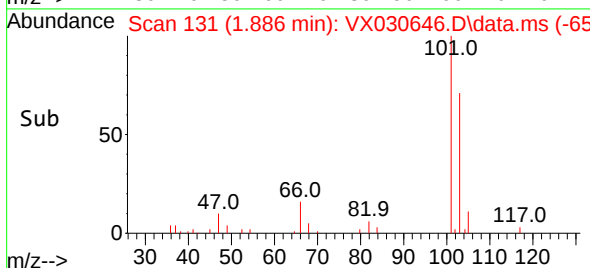
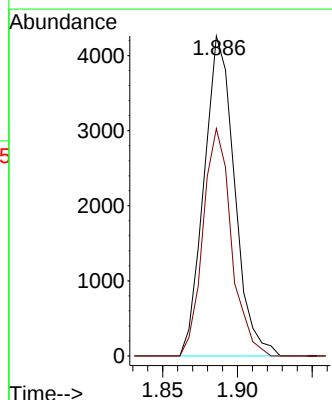
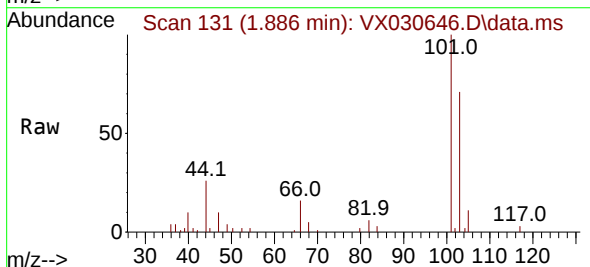
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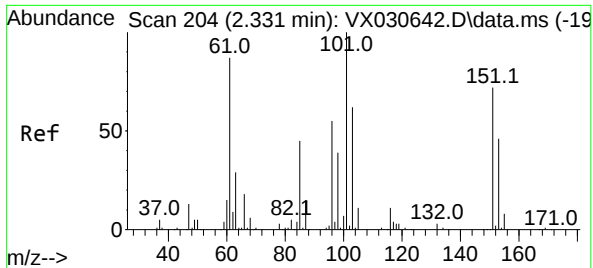
Reviewed By :John Carbone 08/17/2022
Supervised By :Semsettin Yesilyurt 08/17/2022



#9
Trichlorofluoromethane
Concen: 2.180 ug/L
RT: 1.886 min Scan# 131
Delta R.T. 0.000 min
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Tgt Ion:101 Resp: 6050
Ion Ratio Lower Upper
101 100
103 66.0 51.5 77.3





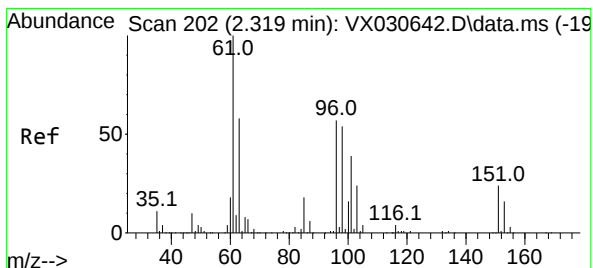
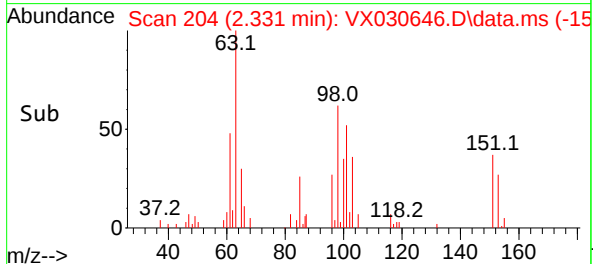
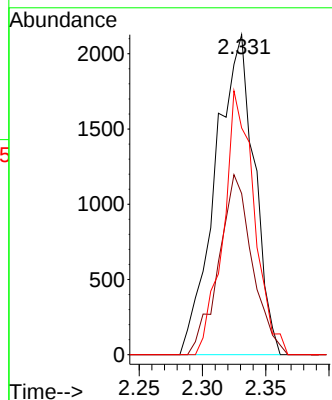
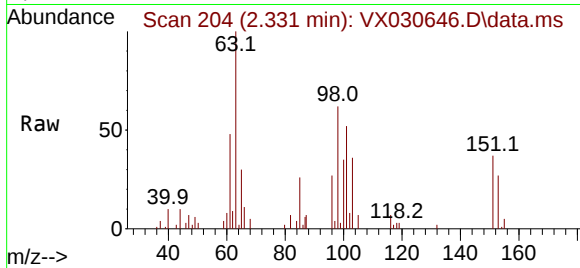
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.760 ug/L
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX030646.D
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Tgt Ion:101 Resp: 4550
Ion Ratio Lower Upper
101 100
85 48.5 35.3 52.9
151 65.2 58.3 87.5

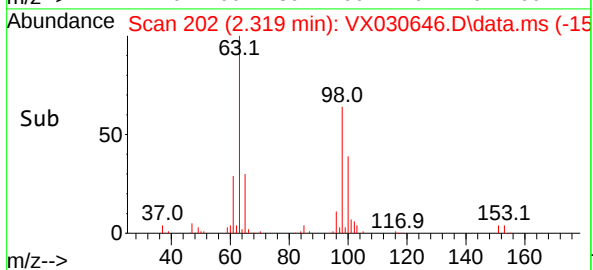
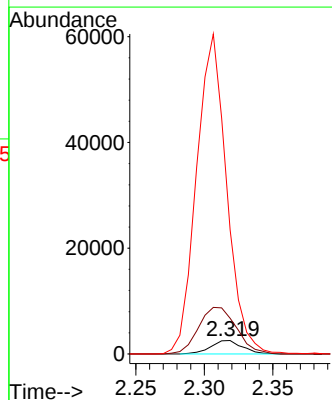
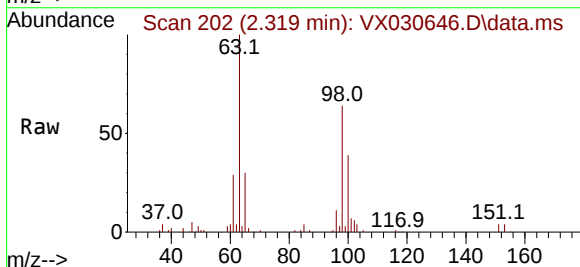
Manual Integrations
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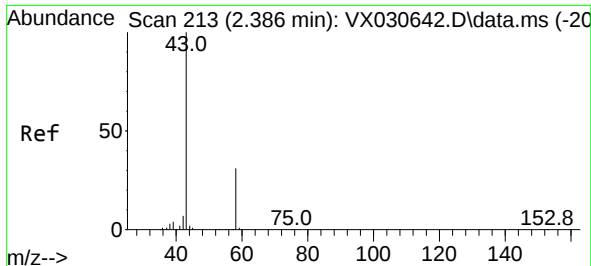
Reviewed By :John Carlone 08/17/2022
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#12
1,1-Dichloroethene
Concen: 2.694 ug/L
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

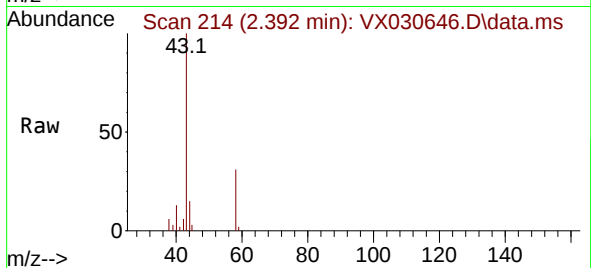
Tgt Ion: 96 Resp: 4097
Ion Ratio Lower Upper
96 100
61 266.9 130.2 241.8#
63 928.4 113.5 210.9#





#13
Acetone
Concen: 5.166 ug/L
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX030646.D
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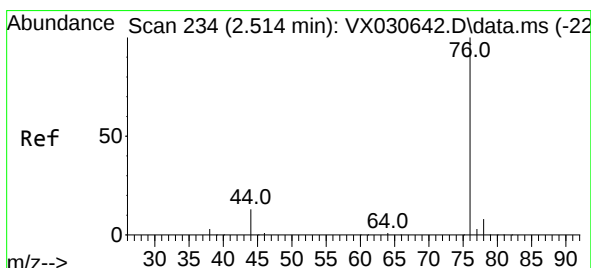
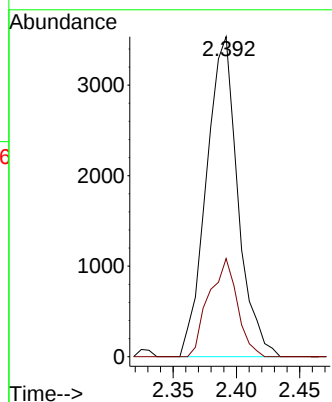
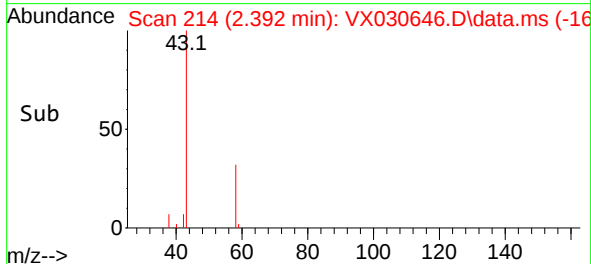
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Tgt Ion: 43 Resp: 612
Ion Ratio Lower Upper
43 100
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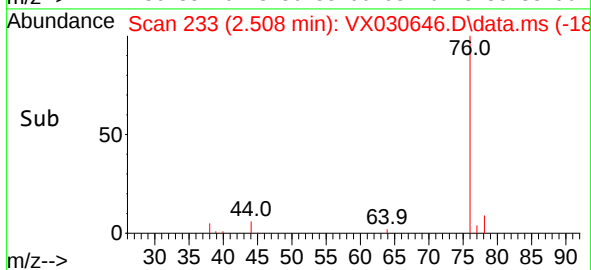
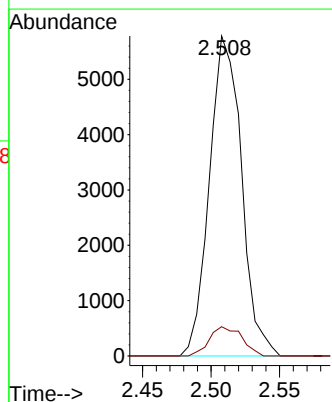
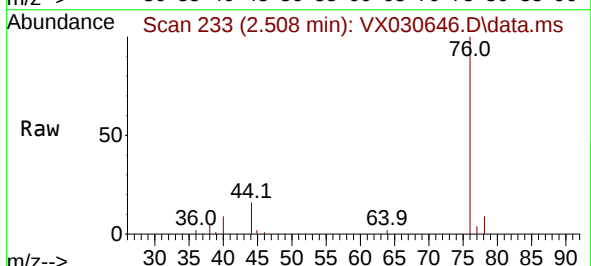
Manual Integrations
APPROVED

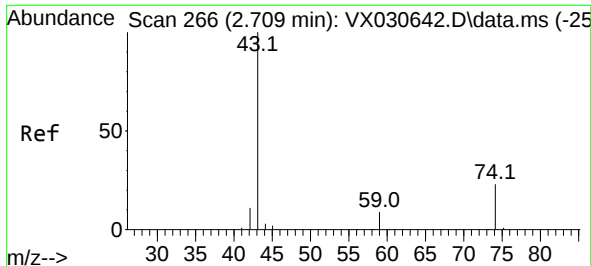
Reviewed By :John Carlone 08/17/2022
Supervised By :Semsettin Yesilyurt 08/17/2022



#14
Carbon disulfide
Concen: 1.909 ug/L
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

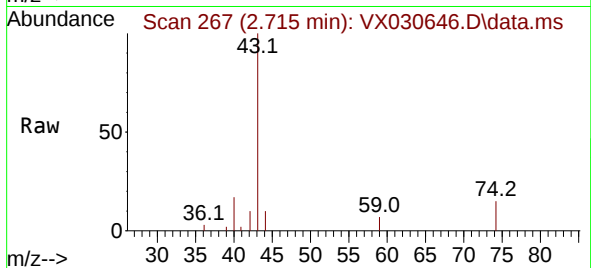
Tgt Ion: 76 Resp: 9411
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2





#15
Methyl Acetate
Concen: 2.595 ug/L
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

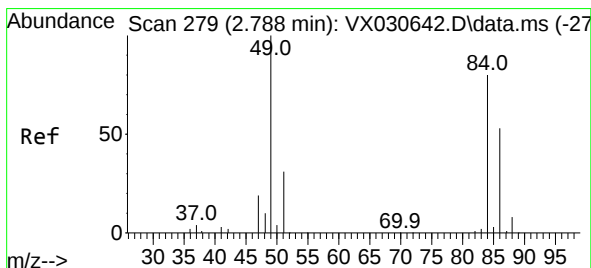
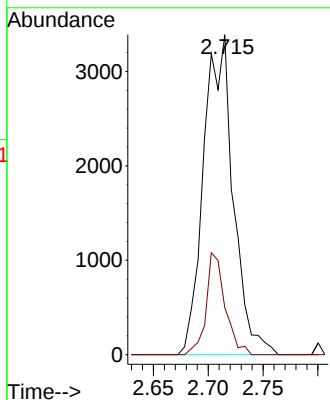
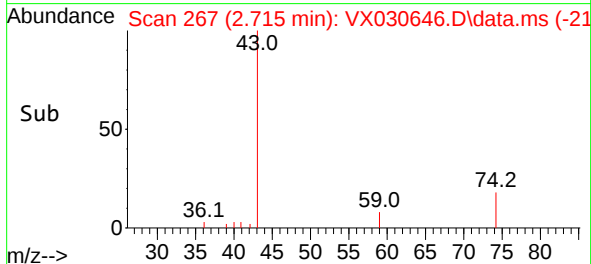
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-06



Tgt Ion: 43 Resp: 6360
Ion Ratio Lower Upper
43 100
74 20.4 17.2 25.8

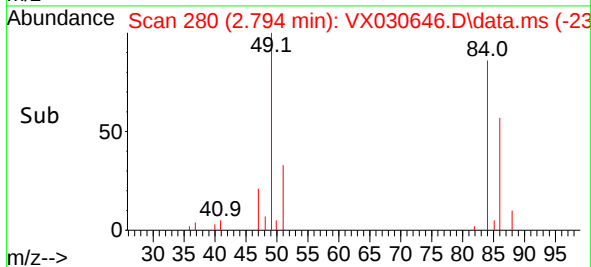
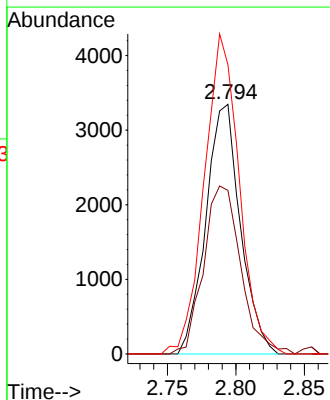
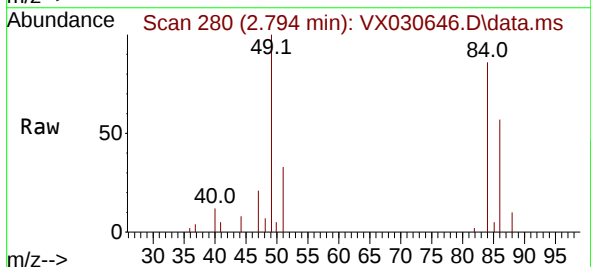
Manual Integrations
APPROVED

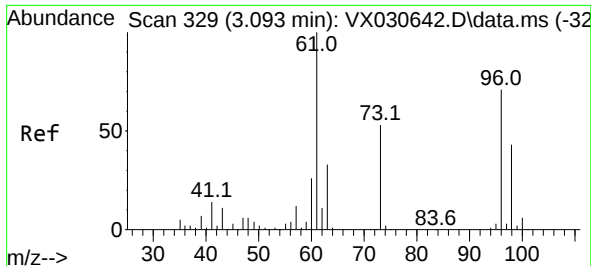
Reviewed By :John Carlone 08/17/2022
Supervised By :Semsettin Yesilyurt 08/17/2022



#16
Methylene chloride
Concen: 3.046 ug/L
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

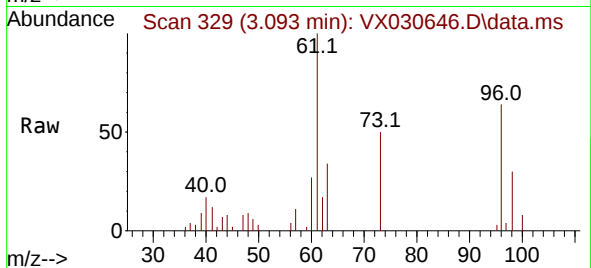
Tgt Ion: 84 Resp: 5875
Ion Ratio Lower Upper
84 100
86 65.5 44.2 82.2
49 115.8 89.0 165.2





#17
trans-1,2-Dichloroethene
Concen: 2.244 ug/L
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

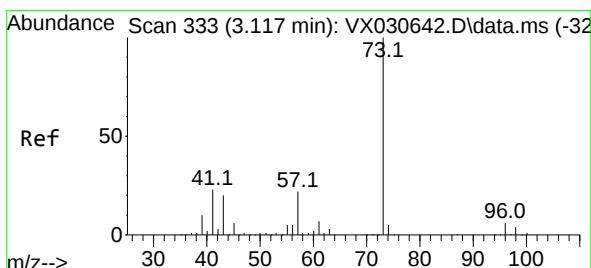
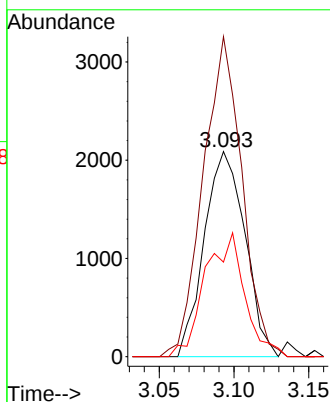
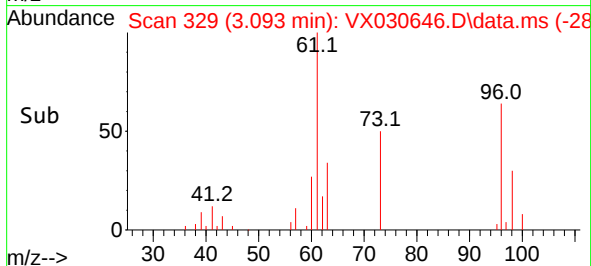
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-06



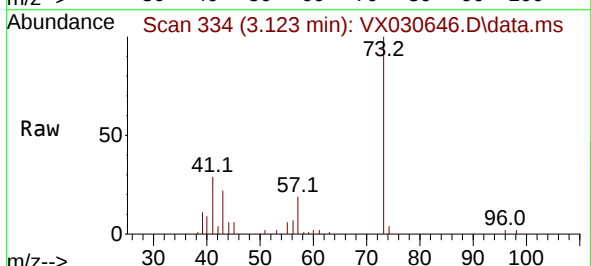
Tgt Ion: 96 Resp: 3954
Ion Ratio Lower Upper
96 100
61 156.0 103.7 192.5
98 46.1 41.5 77.1

Manual Integrations
APPROVED

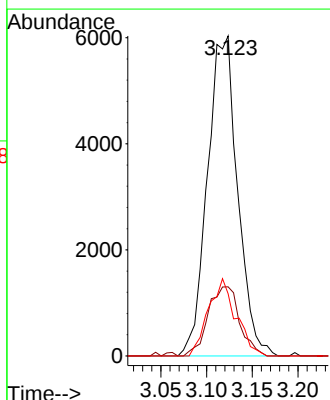
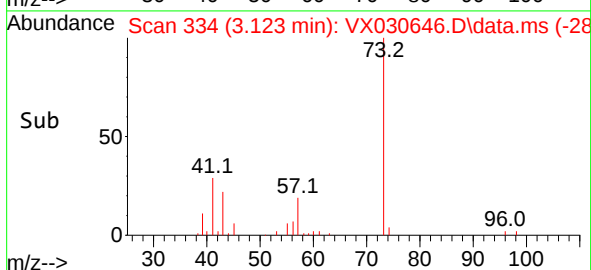
Reviewed By :John Carlone 08/17/2022
Supervised By :Semsettin Yesilyurt 08/17/2022

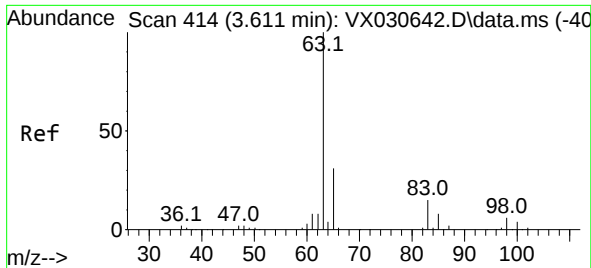


#18
Methyl tert-butyl Ether
Concen: 2.314 ug/L
RT: 3.123 min Scan# 334
Delta R.T. 0.006 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38



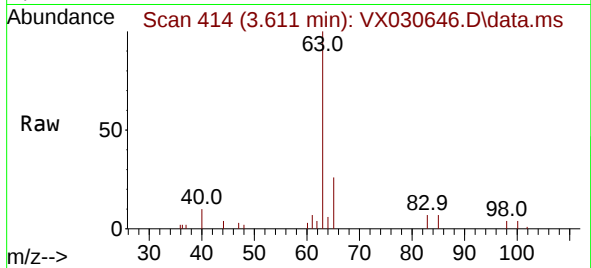
Tgt Ion: 73 Resp: 13865
Ion Ratio Lower Upper
73 100
43 22.6 17.6 26.4
57 22.1 17.5 26.3





#19
1,1-Dichloroethane
Concen: 2.365 ug/L
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

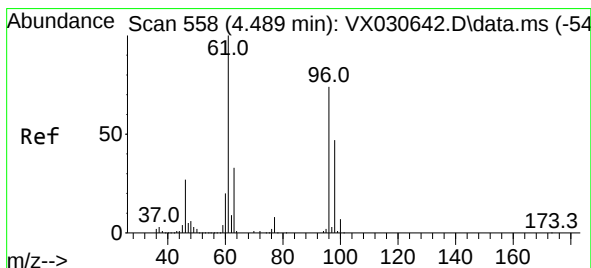
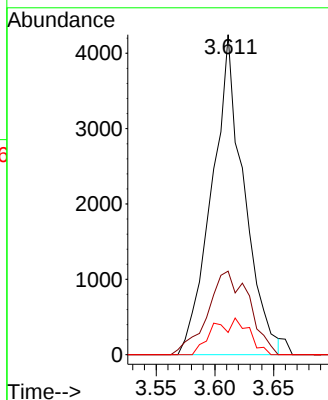
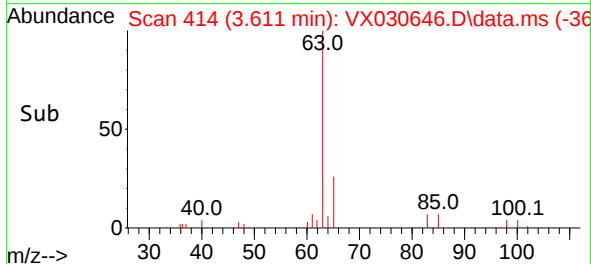
Instrument : MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-06



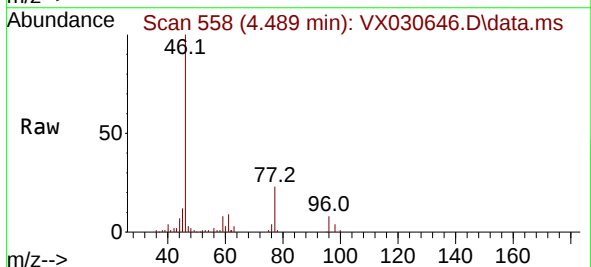
Tgt Ion: 63 Resp: 805
Ion Ratio Lower Upper
63 100
65 26.1 22.0 40.8
83 6.9 9.9 18.3

Manual Integrations
APPROVED

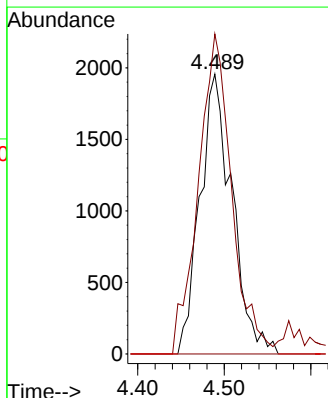
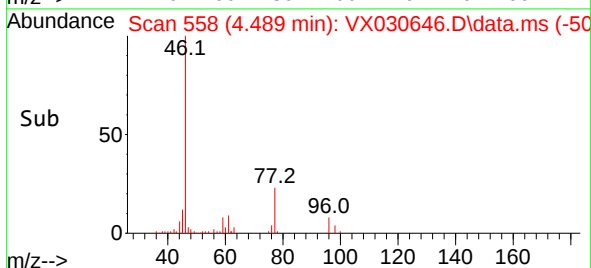
Reviewed By :John Carlone 08/17/2022
Supervised By :Semsettin Yesilyurt 08/17/2022

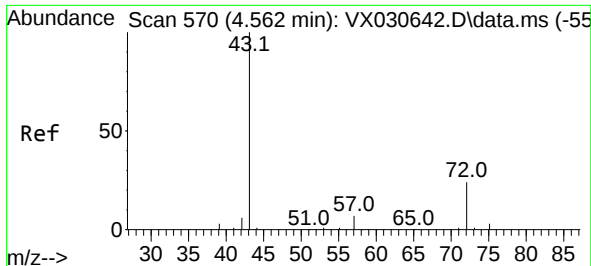


#20
cis-1,2-Dichloroethene
Concen: 2.545 ug/L
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38



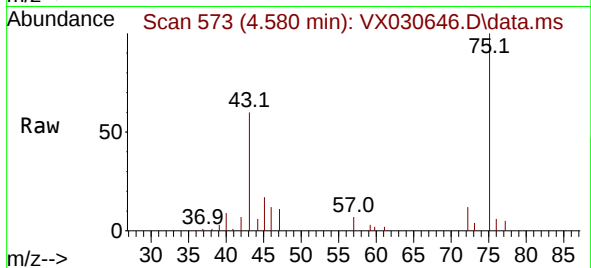
Tgt Ion: 96 Resp: 5045
Ion Ratio Lower Upper
96 100
61 114.4 94.0 174.6
68 0.0 0.0 0.0





#22
2-Butanone
Concen: 5.064 ug/L m
RT: 4.580 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

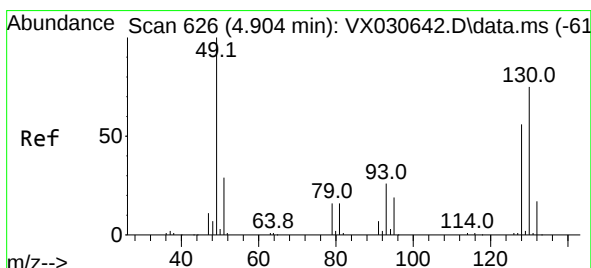
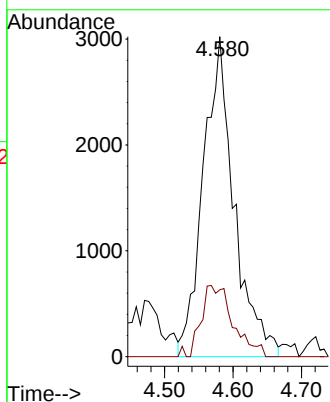
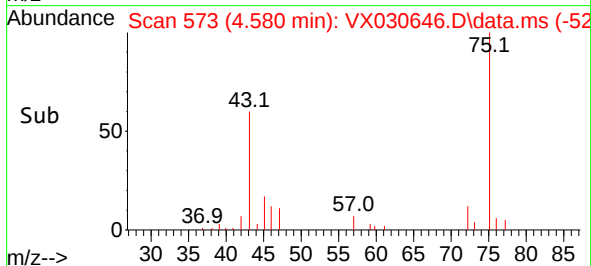
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-06



Tgt Ion: 43 Resp: 946
Ion Ratio Lower Upper
43 100
72 0.4 11.7 35.1

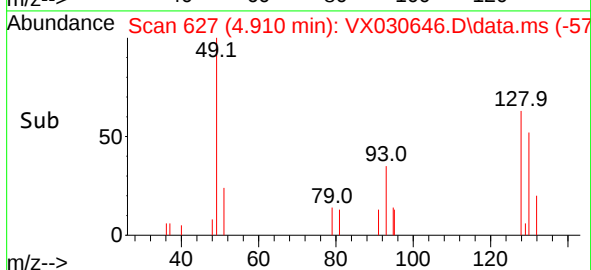
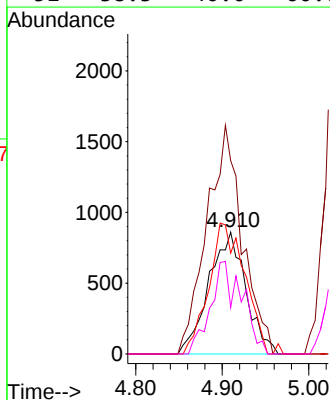
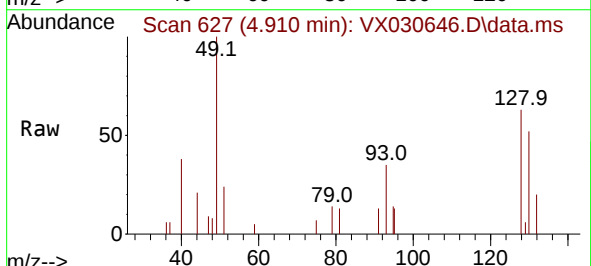
Manual Integrations
APPROVED

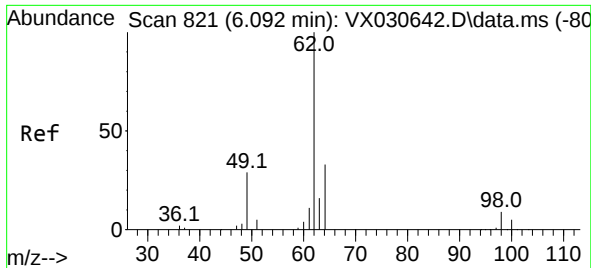
Reviewed By :John Carlone 08/17/2022
Supervised By :Semsettin Yesilyurt 08/17/2022



#23
Bromochloromethane
Concen: 2.565 ug/L
RT: 4.910 min Scan# 627
Delta R.T. 0.006 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

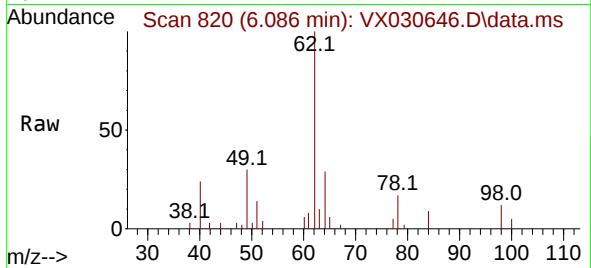
Tgt Ion:128 Resp: 2550
Ion Ratio Lower Upper
128 100
49 158.8 116.8 216.8
130 82.8 90.3 167.7#
51 38.3 40.0 60.0#





#27
1,2-Dichloroethane
Concen: 2.469 ug/L m
RT: 6.086 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

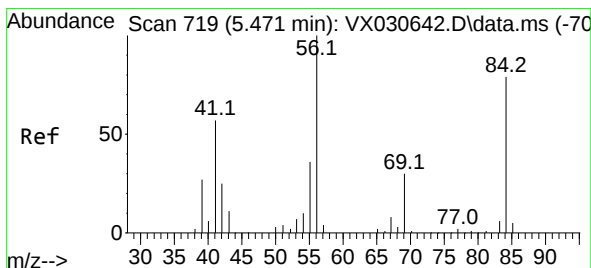
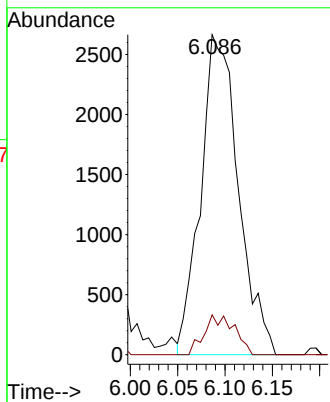
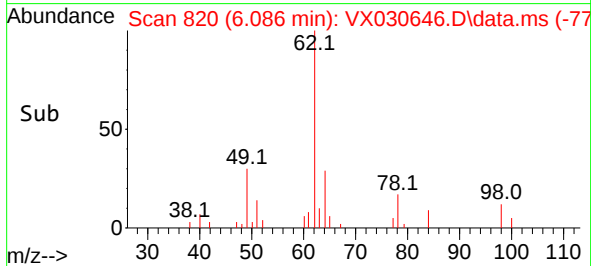
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-06



Tgt Ion: 62 Resp: 7360
Ion Ratio Lower Upper
62 100
98 12.5 7.0 10.6

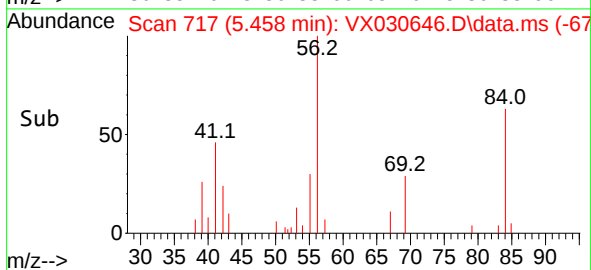
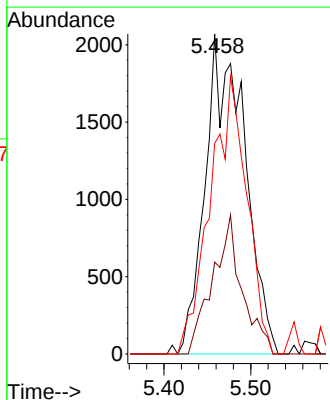
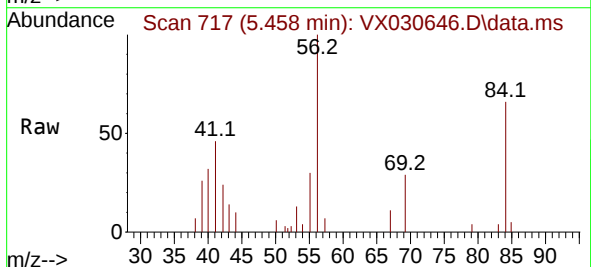
Manual Integrations
APPROVED

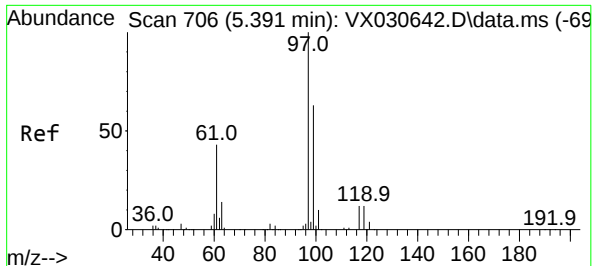
Reviewed By :John Carlone 08/17/2022
Supervised By :Semsettin Yesilyurt 08/17/2022



#29
Cyclohexane
Concen: 1.992 ug/L m
RT: 5.458 min Scan# 717
Delta R.T. -0.012 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

Tgt Ion: 56 Resp: 6526
Ion Ratio Lower Upper
56 100
69 32.4 24.3 36.5
84 41.5 66.7 100.1#





#30

1,1,1-Trichloroethane

Concen: 2.187 ug/L m

RT: 5.379 min Scan# 706

Delta R.T. -0.012 min

Lab File: VX030646.D

Acq: 16 Aug 2022 11:38

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT3-2022-06

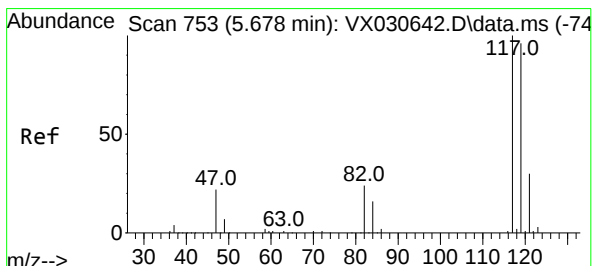
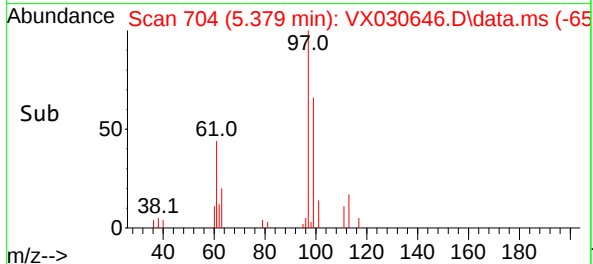
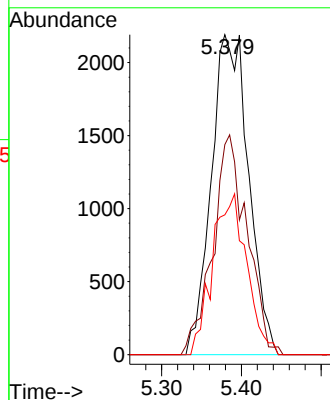
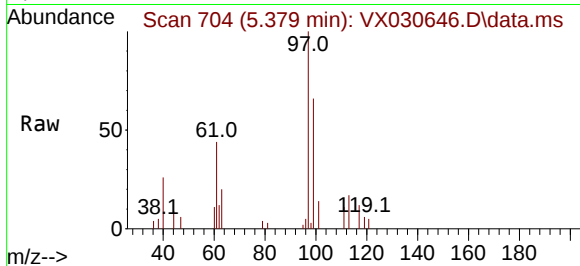
Tgt Ion: 97	Resp: 711
Ion Ratio	Lower Upper
97 100	
99 62.8	51.4 77.0
61 25.9	37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/17/2022

Supervised By :Semsettin Yesilyurt 08/17/2022



#31

Carbon tetrachloride

Concen: 2.154 ug/L

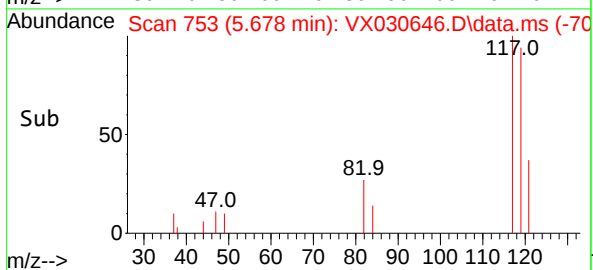
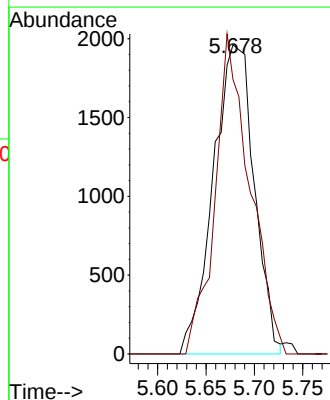
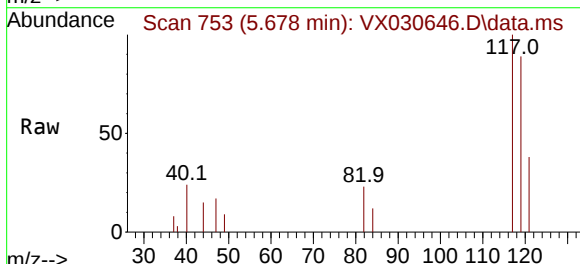
RT: 5.678 min Scan# 753

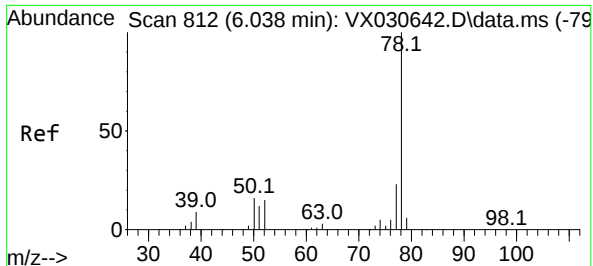
Delta R.T. 0.000 min

Lab File: VX030646.D

Acq: 16 Aug 2022 11:38

Tgt Ion: 117	Resp: 5780
Ion Ratio	Lower Upper
117 100	
119 88.0	76.2 114.2





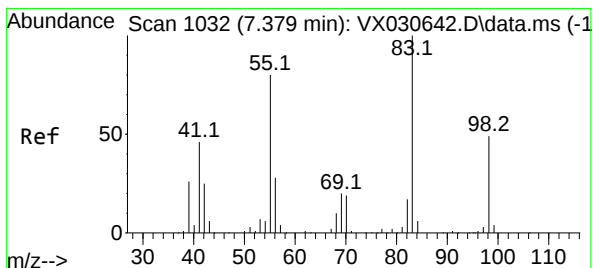
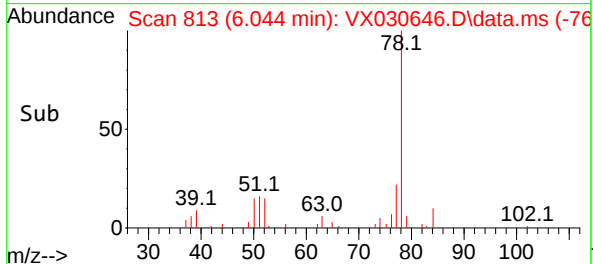
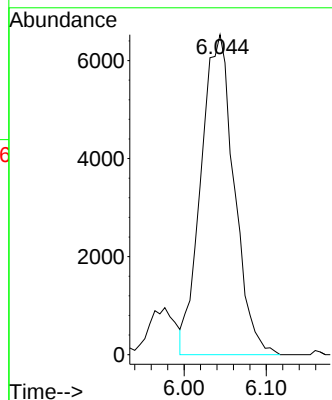
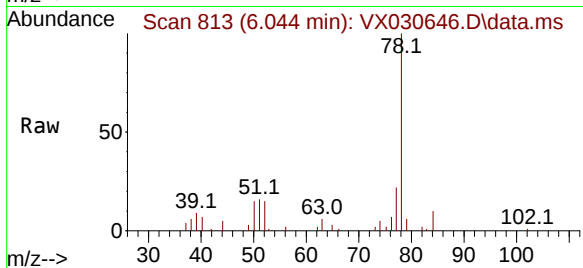
#33
Benzene
Concen: 2.313 ug/L
RT: 6.044 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

Instrument : MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-06

Tgt Ion: 78 Resp: 18279

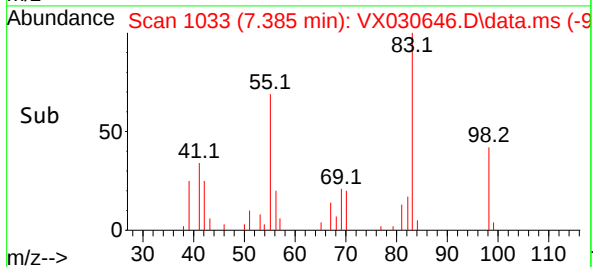
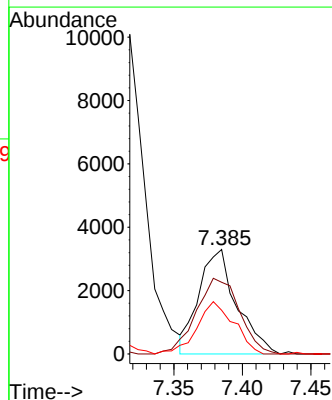
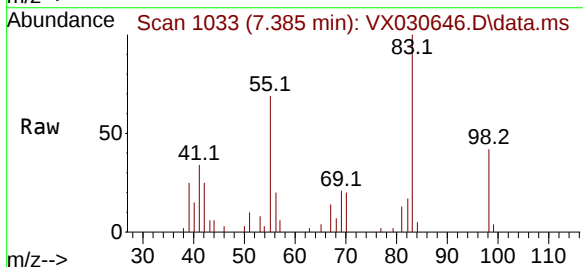
Manual Integrations
APPROVED

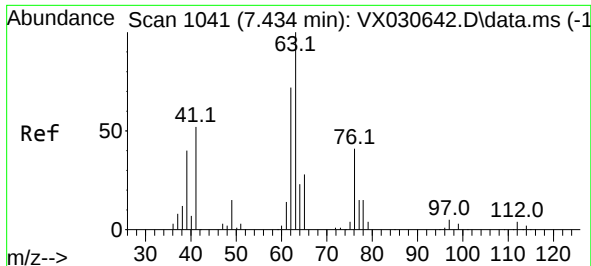
Reviewed By :John Carlone 08/17/2022
Supervised By :Semsettin Yesilyurt 08/17/2022



#35
Methylcyclohexane
Concen: 1.904 ug/L
RT: 7.385 min Scan# 1033
Delta R.T. 0.006 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

Tgt Ion: 83 Resp: 6344
Ion Ratio Lower Upper
83 100
55 83.0 64.0 96.0
98 49.0 36.7 55.1





#37

1,2-Dichloropropane

Concen: 2.594 ug/L

RT: 7.428 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VX030646.D

Acq: 16 Aug 2022 11:38

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT3-2022-06

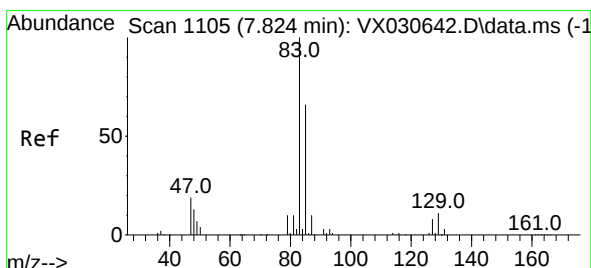
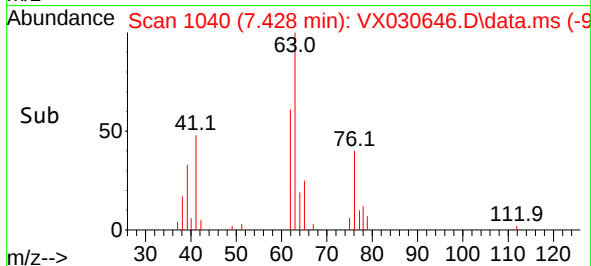
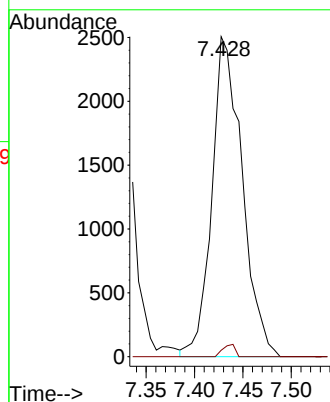
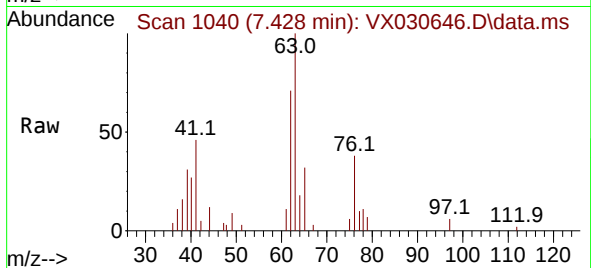
Tgt Ion: 63 Resp: 545
 Ion Ratio Lower Upper
 63 100
 112 1.6 3.0 4.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/17/2022

Supervised By :Semsettin Yesilyurt 08/17/2022



#38

Bromodichloromethane

Concen: 2.342 ug/L

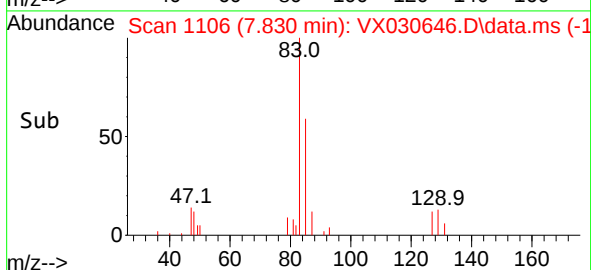
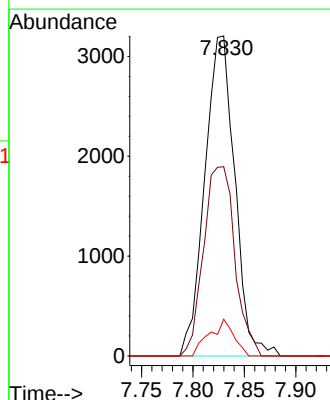
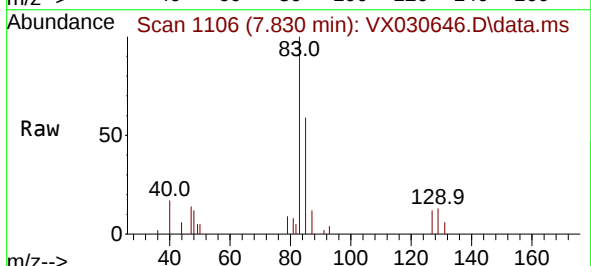
RT: 7.830 min Scan# 1106

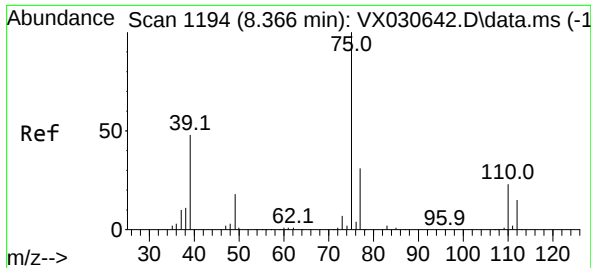
Delta R.T. 0.006 min

Lab File: VX030646.D

Acq: 16 Aug 2022 11:38

Tgt Ion: 83 Resp: 6513
 Ion Ratio Lower Upper
 83 100
 85 59.2 42.5 78.9
 127 11.5 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 2.082 ug/L m

RT: 8.373 min Scan# 1195

Delta R.T. 0.006 min

Lab File: VX030646.D

Acq: 16 Aug 2022 11:38

Instrument :

MSVOA_X

ClientSampleId :

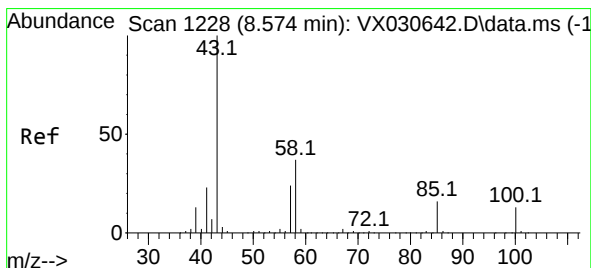
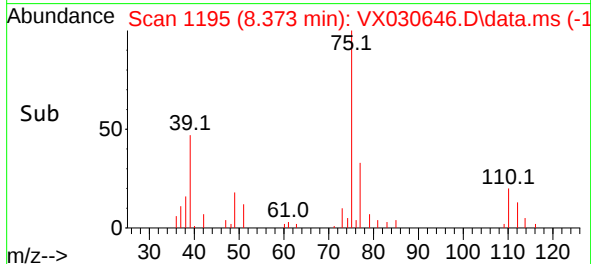
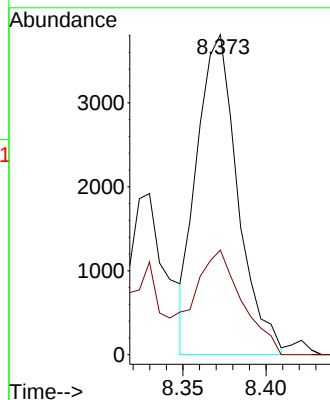
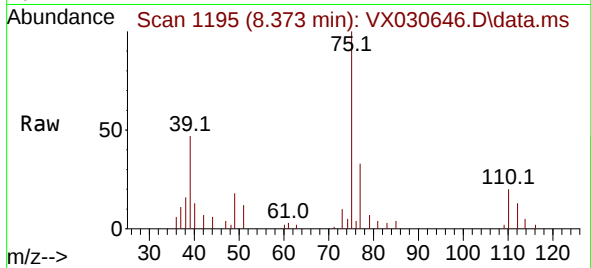
MDL-WATER-QT3-2022-06

Tgt Ion: 75 Resp: 652
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.4 41.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/17/2022
 Supervised By :Semsettin Yesilyurt 08/17/2022



#40

4-Methyl-2-pentanone

Concen: 4.361 ug/L

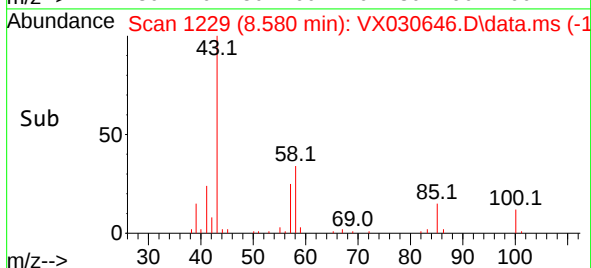
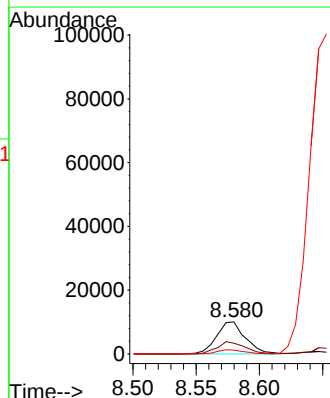
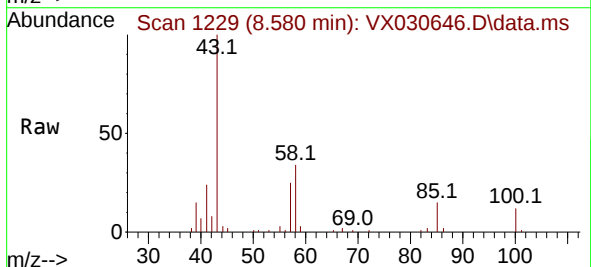
RT: 8.580 min Scan# 1229

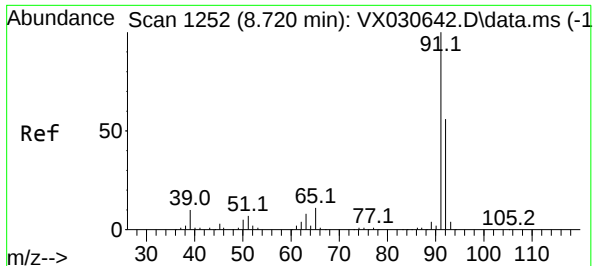
Delta R.T. 0.006 min

Lab File: VX030646.D

Acq: 16 Aug 2022 11:38

Tgt Ion: 43 Resp: 15956
 Ion Ratio Lower Upper
 43 100
 58 37.4 29.0 43.6
 100 12.3 10.5 15.7





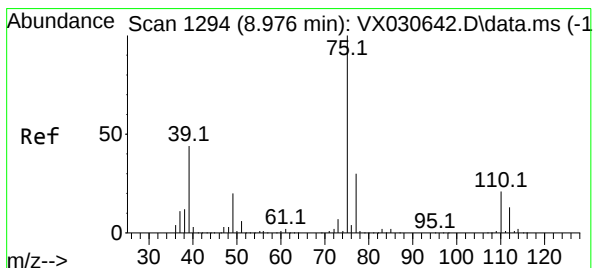
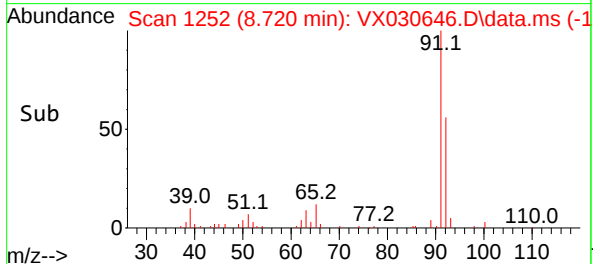
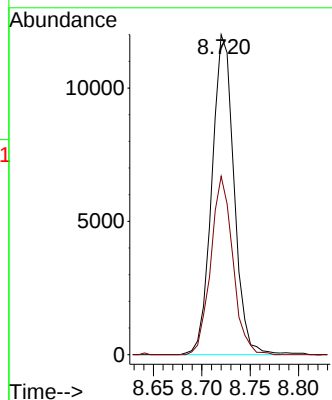
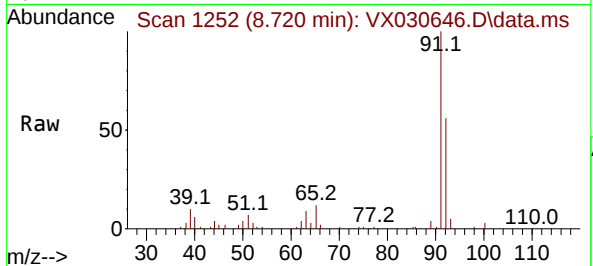
#42
Toluene
Concen: 2.290 ug/L
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

Instrument : MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-06

Tgt Ion: 91 Resp: 19119
Ion Ratio Lower Upper
91 100
92 55.8 40.0 74.4

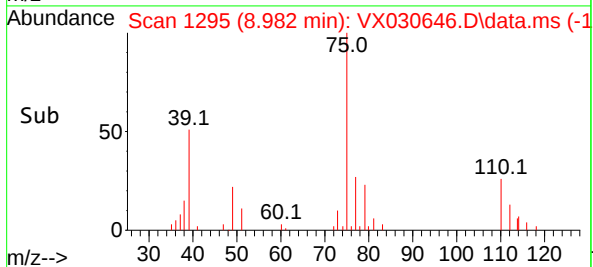
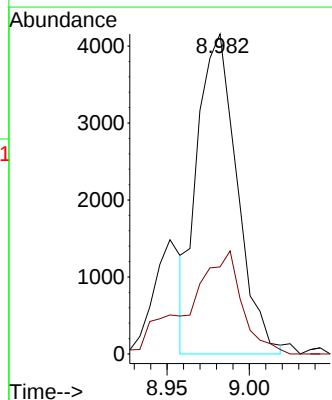
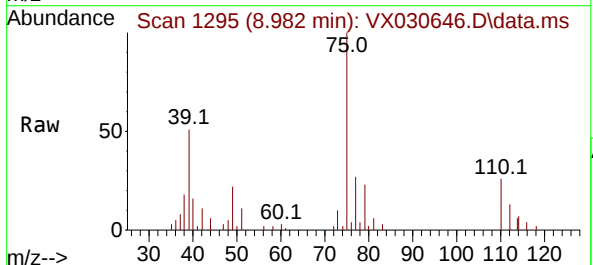
Manual Integrations
APPROVED

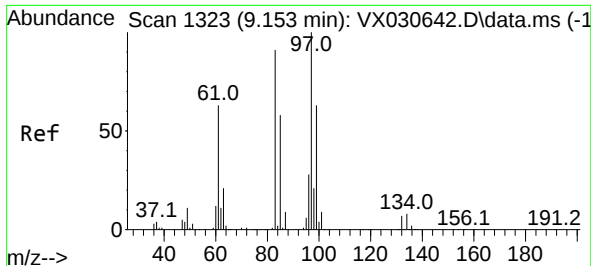
Reviewed By :John Carlone 08/17/2022
Supervised By :Semsettin Yesilyurt 08/17/2022



#44
trans-1,3-Dichloropropene
Concen: 2.273 ug/L
RT: 8.982 min Scan# 1295
Delta R.T. 0.006 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

Tgt Ion: 75 Resp: 6972
Ion Ratio Lower Upper
75 100
77 27.2 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 2.446 ug/L

RT: 9.159 min Scan# 1323

Delta R.T. 0.006 min

Lab File: VX030646.D

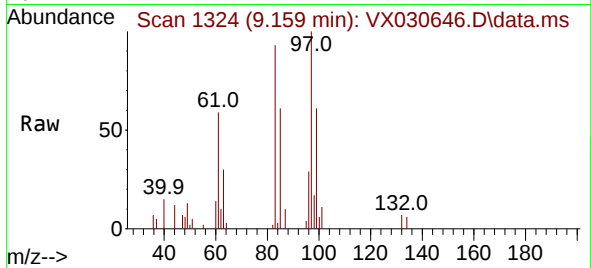
Acq: 16 Aug 2022 11:38

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT3-2022-06



Tgt Ion: 97 Resp: 4779

Ion Ratio Lower Upper

97 100

99 60.6 43.3 80.3

83 93.4 63.0 117.0

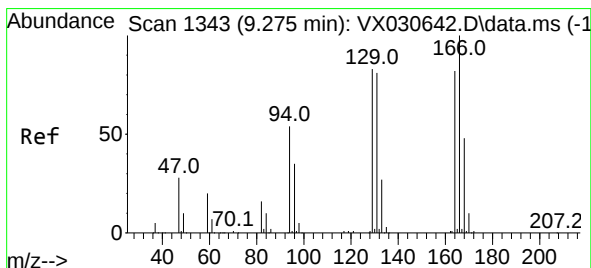
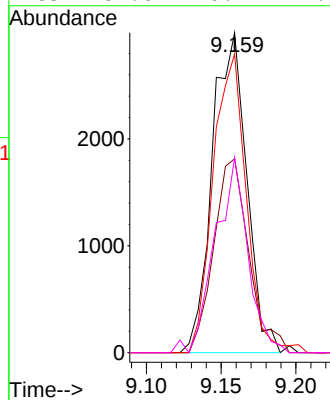
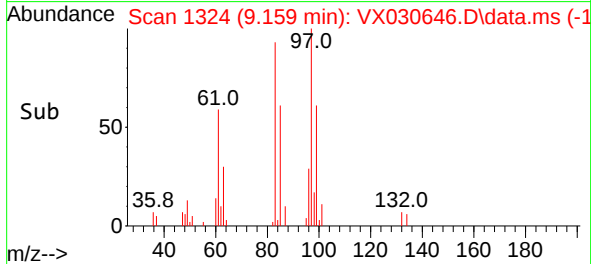
85 61.0 40.1 74.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/17/2022

Supervised By :Semsettin Yesilyurt 08/17/2022



#46

Tetrachloroethene

Concen: 2.111 ug/L

RT: 9.281 min Scan# 1344

Delta R.T. 0.006 min

Lab File: VX030646.D

Acq: 16 Aug 2022 11:38

Tgt Ion:164 Resp: 3053

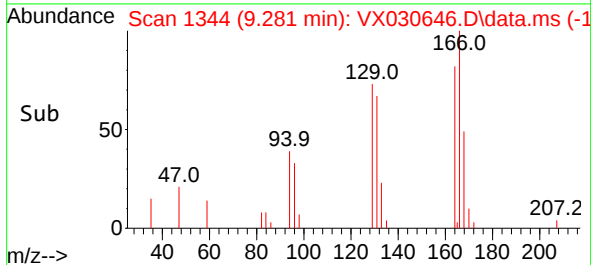
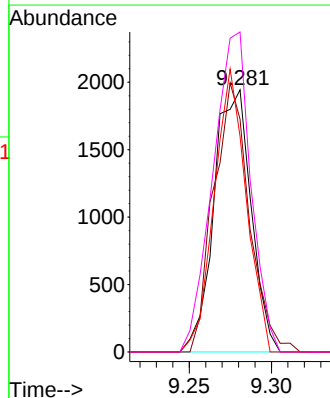
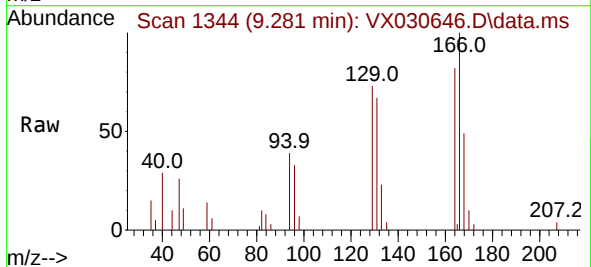
Ion Ratio Lower Upper

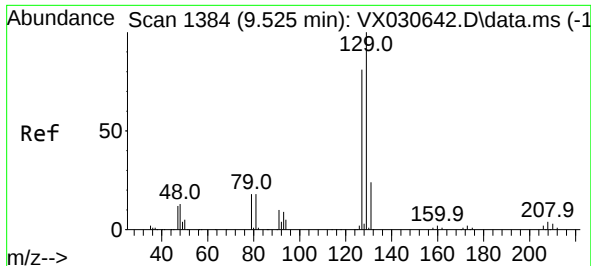
164 100

129 88.8 72.7 135.1

131 82.3 69.9 129.9

166 122.1 88.3 164.1





#49

Dibromochloromethane

Concen: 2.303 ug/L

RT: 9.525 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VX030646.D

Acq: 16 Aug 2022 11:38

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT3-2022-06

Tgt Ion:129 Resp: 4788

Ion Ratio Lower Upper

129 100

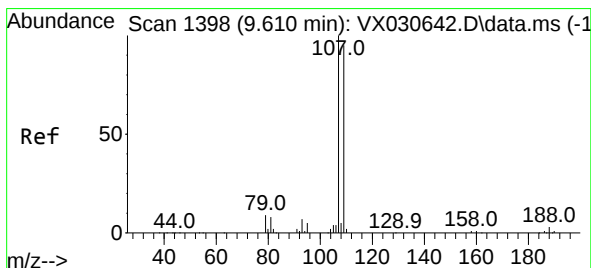
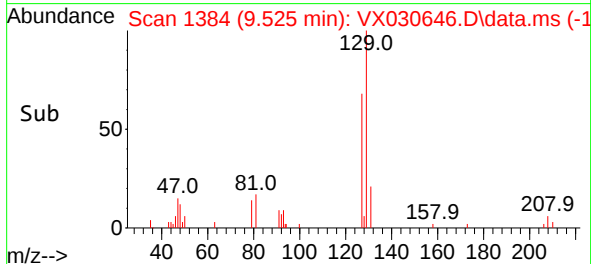
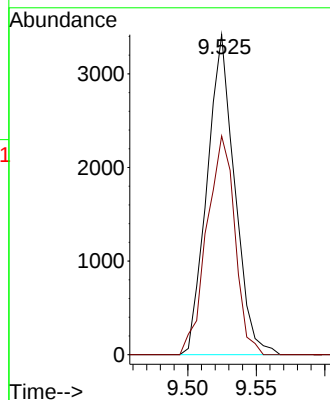
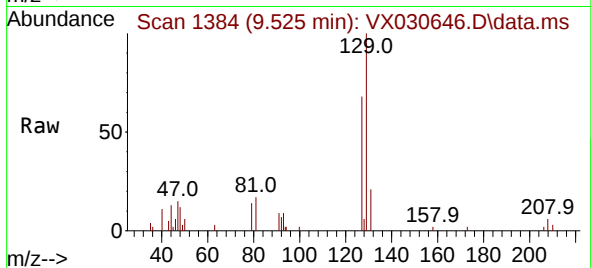
127 68.3 55.6 103.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/17/2022

Supervised By :Semsettin Yesilyurt 08/17/2022



#50

1,2-Dibromoethane

Concen: 2.344 ug/L

RT: 9.616 min Scan# 1399

Delta R.T. 0.006 min

Lab File: VX030646.D

Acq: 16 Aug 2022 11:38

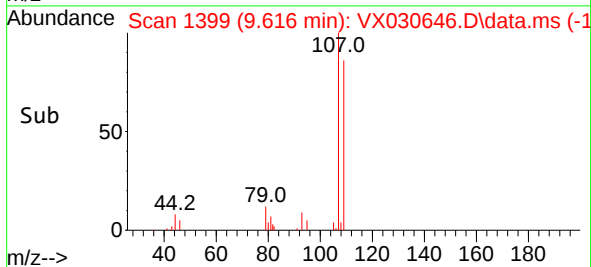
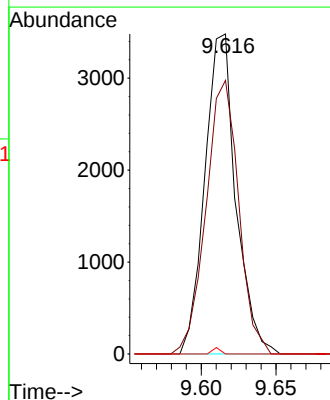
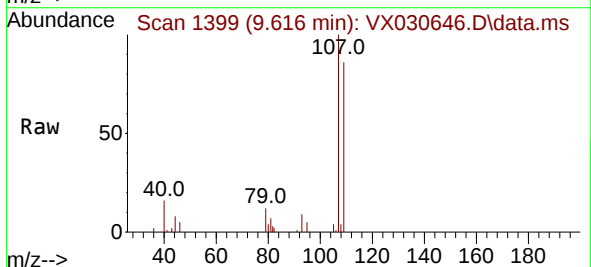
Tgt Ion:107 Resp: 5036

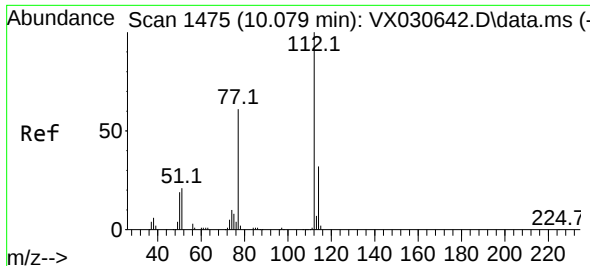
Ion Ratio Lower Upper

107 100

109 85.5 64.8 120.4

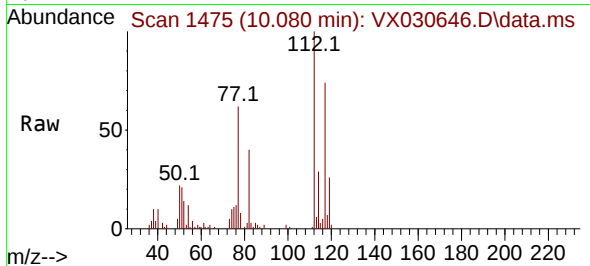
188 0.0 2.2 3.2#





#51
Chlorobenzene
Concen: 2.467 ug/L
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

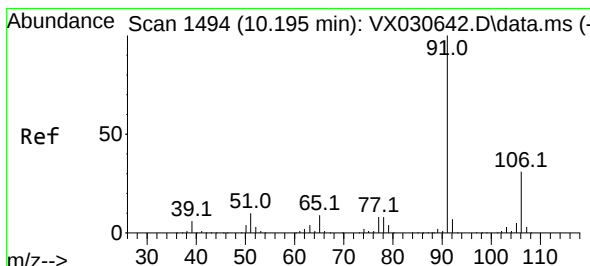
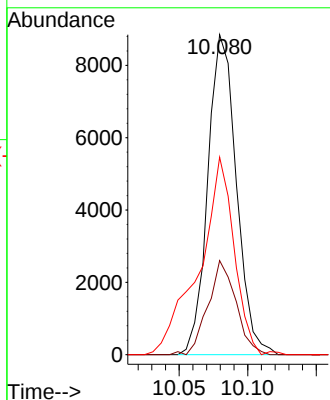
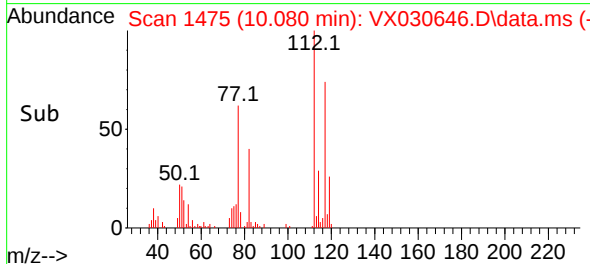
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-06



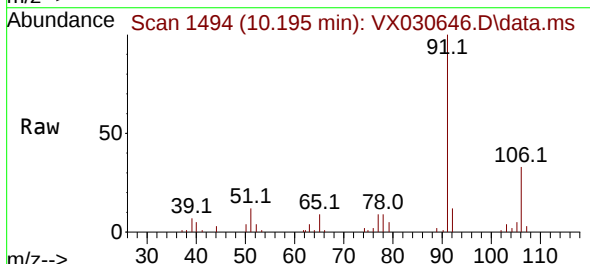
Tgt Ion: 112 Resp: 12829
Ion Ratio Lower Upper
112 100
114 29.4 22.3 41.5
77 61.7 50.8 76.2

Manual Integrations
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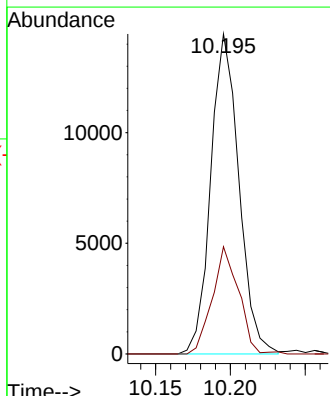
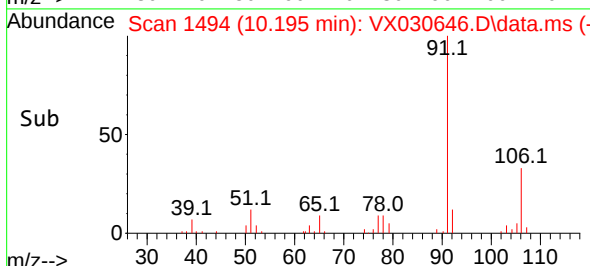
Reviewed By :John Carbone 08/17/2022
Supervised By :Semsettin Yesilyurt 08/17/2022

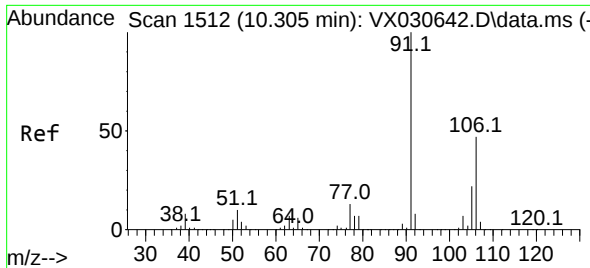


#52
Ethylbenzene
Concen: 2.078 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38



Tgt Ion: 91 Resp: 18917
Ion Ratio Lower Upper
91 100
106 33.5 21.3 39.5





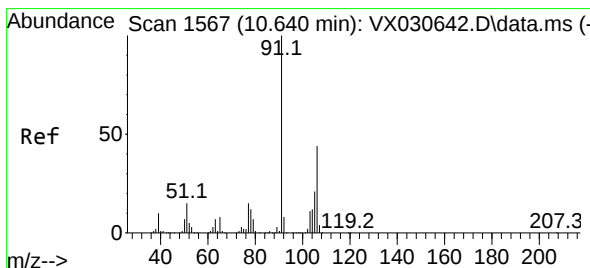
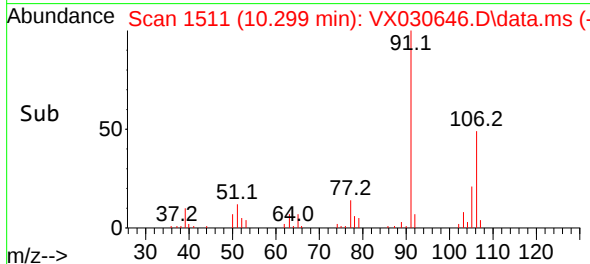
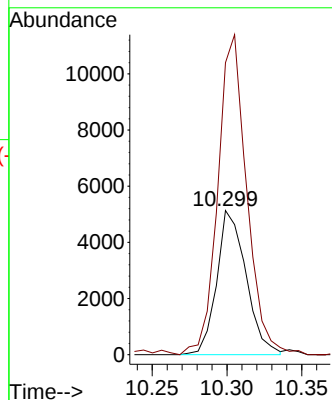
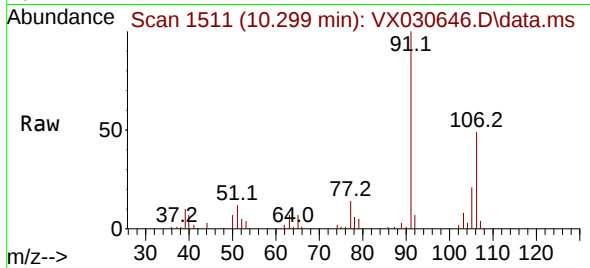
#53
m,p-Xylene
Concen: 2.063 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

Instrument : MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-06

Tgt Ion:106 Resp: 6999
Ion Ratio Lower Upper
106 100
91 202.5 147.8 274.6

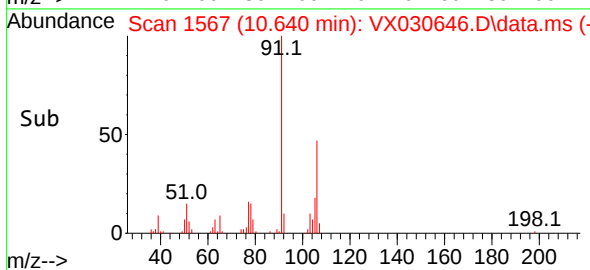
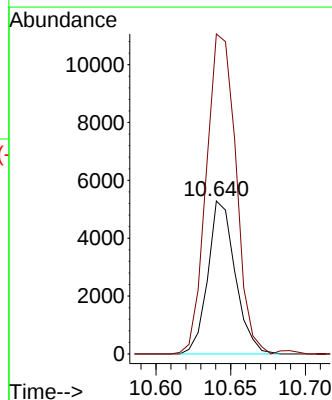
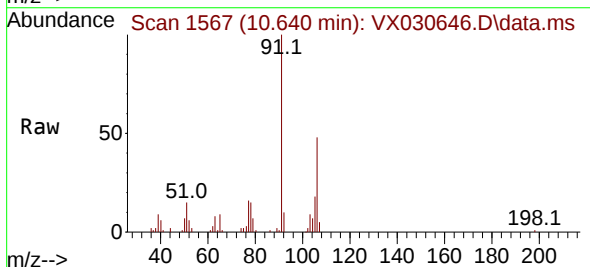
Manual Integrations
APPROVED

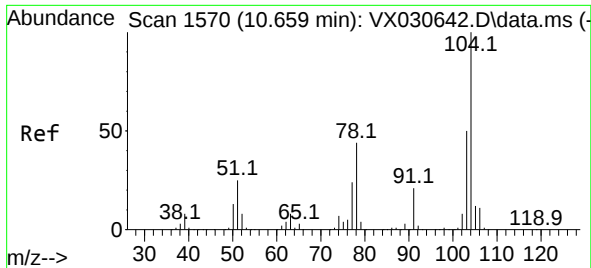
Reviewed By :John Carlone 08/17/2022
Supervised By :Semsettin Yesilyurt 08/17/2022



#54
o-Xylene
Concen: 1.993 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

Tgt Ion:106 Resp: 6737
Ion Ratio Lower Upper
106 100
91 209.2 157.8 293.0





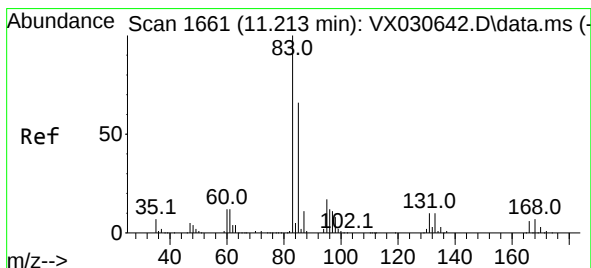
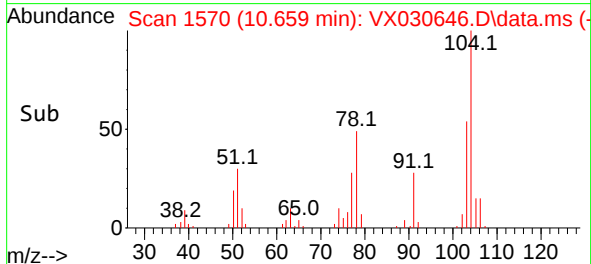
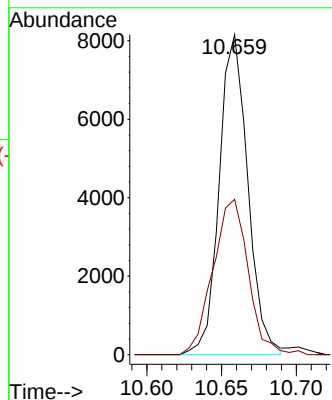
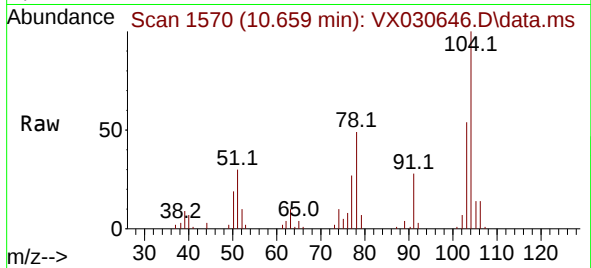
#55
Styrene
Concen: 1.900 ug/L
RT: 10.659 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

Instrument : MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-06

Tgt Ion:104 Resp: 10810
Ion Ratio Lower Upper
104 100
78 48.6 33.2 61.7

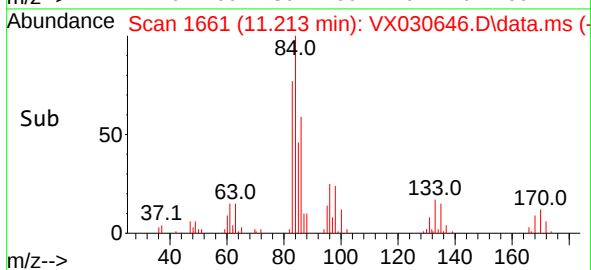
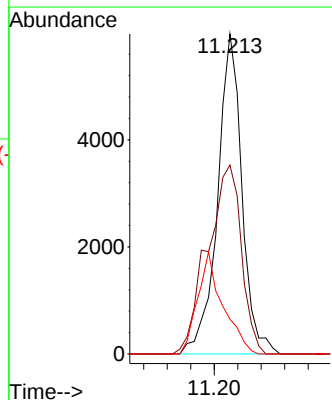
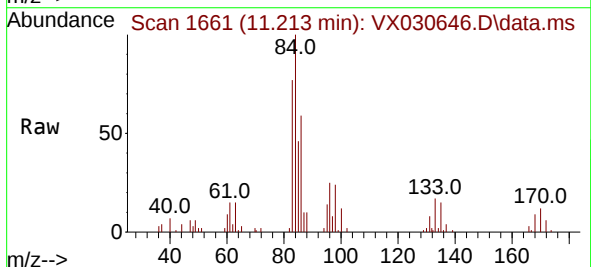
Manual Integrations
APPROVED

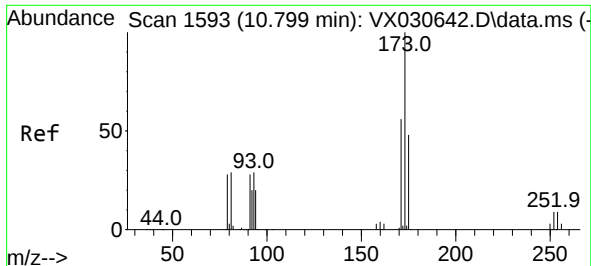
Reviewed By :John Carlone 08/17/2022
Supervised By :Semsettin Yesilyurt 08/17/2022



#57
1,1,2,2-Tetrachloroethane
Concen: 2.899 ug/L
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

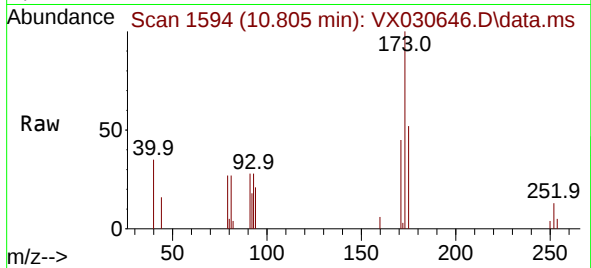
Tgt Ion: 83 Resp: 8619
Ion Ratio Lower Upper
83 100
85 59.0 44.4 82.4
131 10.9 7.5 11.3





#59
Bromoform
Concen: 2.194 ug/L
RT: 10.805 min Scan# 1593
Delta R.T. 0.006 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

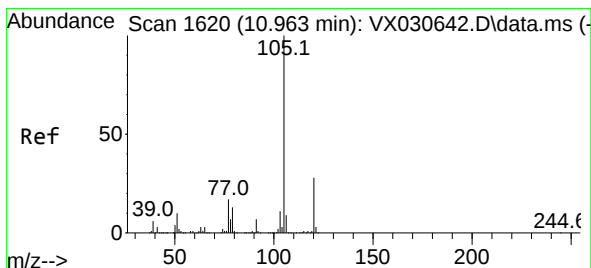
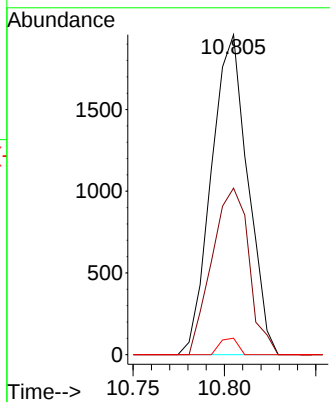
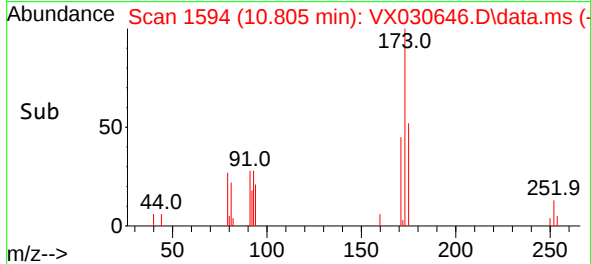
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-06



Tgt Ion:173 Resp: 2710
Ion Ratio Lower Upper
173 100
175 52.9 38.9 58.3
254 2.6 7.0 10.4

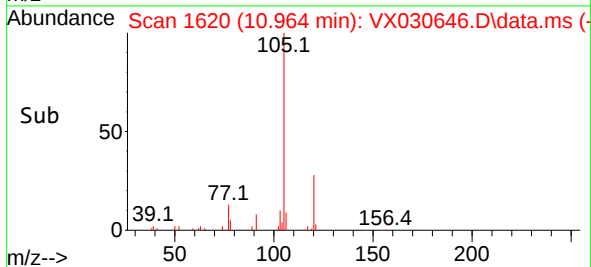
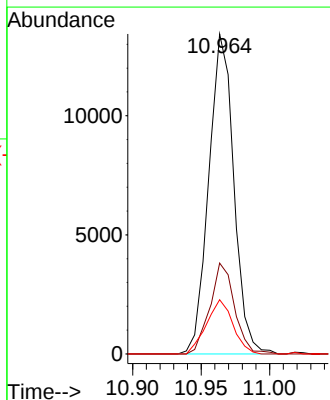
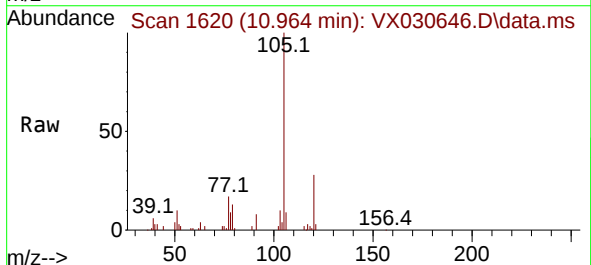
Manual Integrations
APPROVED

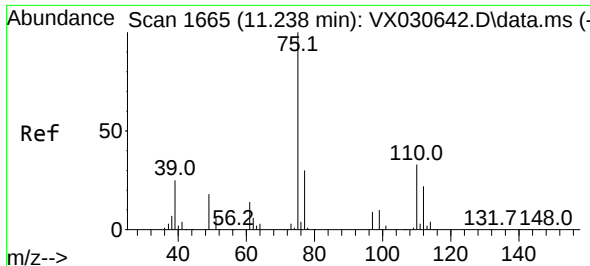
Reviewed By :John Carlone 08/17/2022
Supervised By :Semsettin Yesilyurt 08/17/2022



#60
Isopropylbenzene
Concen: 2.119 ug/L
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

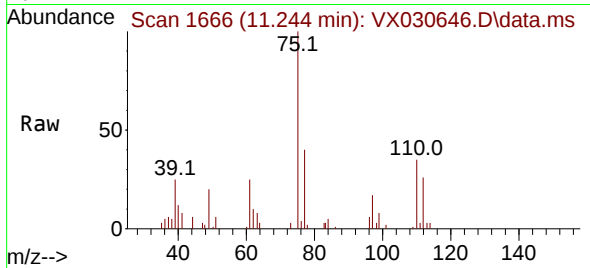
Tgt Ion:105 Resp: 17073
Ion Ratio Lower Upper
105 100
120 27.8 20.6 31.0
77 17.9 13.5 20.3





#61
1,2,3-Trichloropropane
Concen: 2.608 ug/L
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

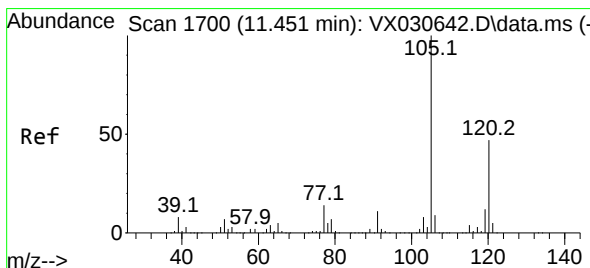
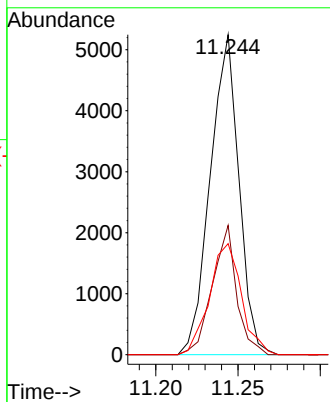
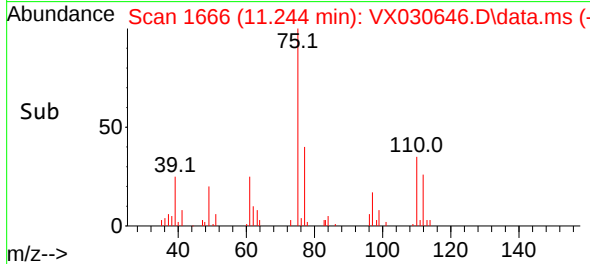
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT3-2022-06



Tgt Ion: 75 Resp: 636
Ion Ratio Lower Upper
75 100
77 34.3 26.1 39.1
110 38.8 30.5 45.7

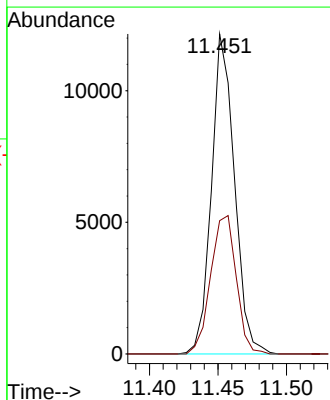
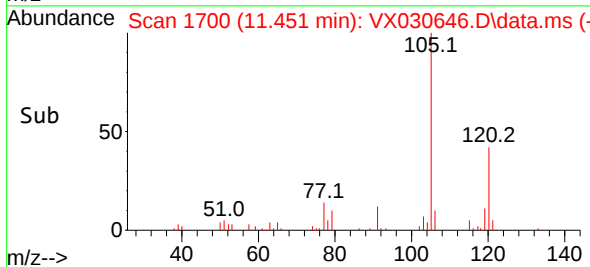
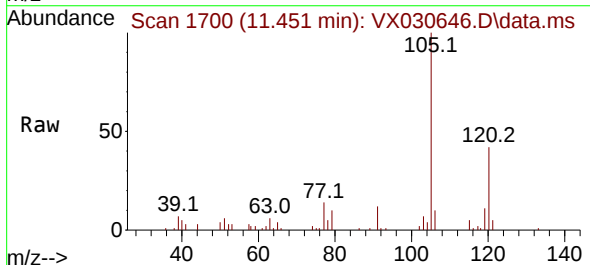
Manual Integrations
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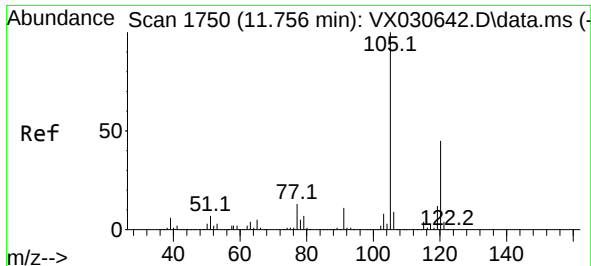
Reviewed By :John Carlone 08/17/2022
Supervised By :Semsettin Yesilyurt 08/17/2022



#62
1,3,5-Trimethylbenzene
Concen: 2.058 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

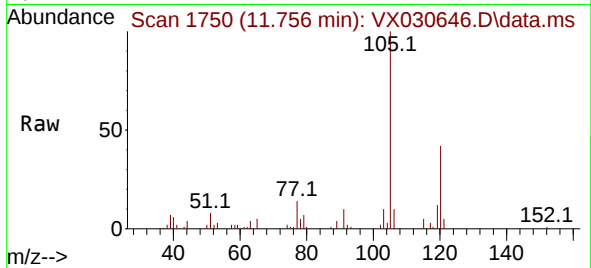
Tgt Ion:105 Resp: 14155
Ion Ratio Lower Upper
105 100
120 48.2 37.2 55.8





#63
1,2,4-Trimethylbenzene
Concen: 1.925 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

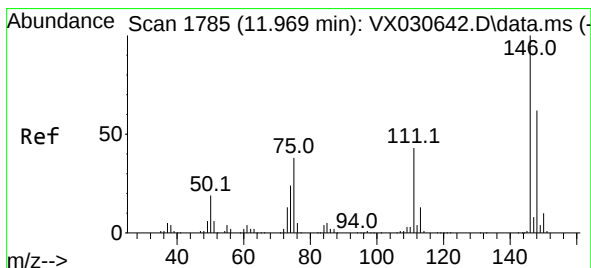
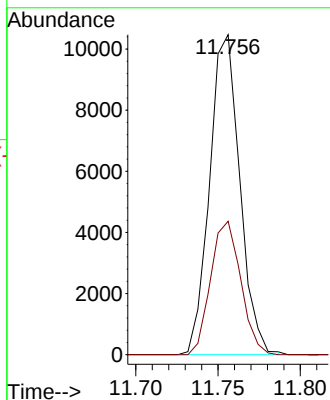
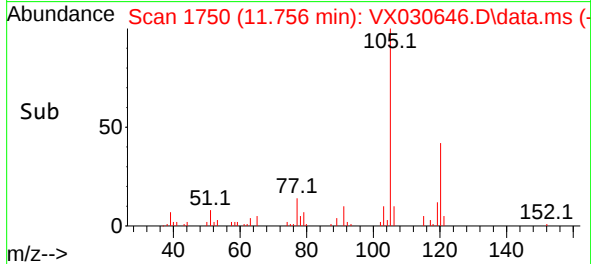
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-06



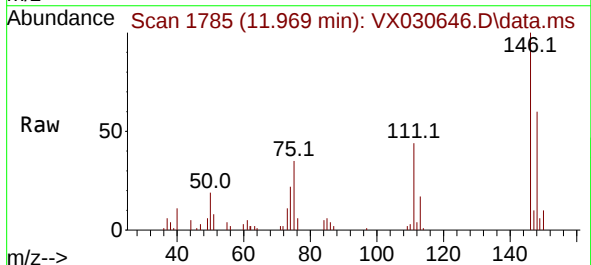
Tgt Ion:105 Resp: 1337
Ion Ratio Lower Upper
105 100
120 41.6 35.9 53.9

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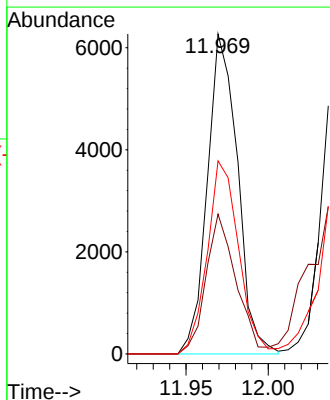
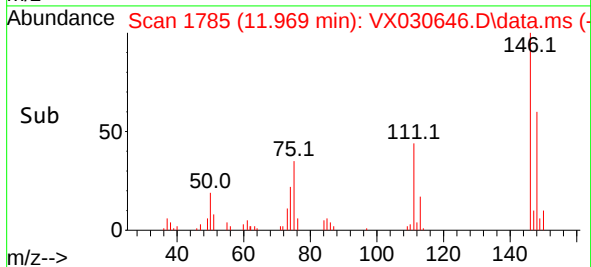
Reviewed By :John Carlone 08/17/2022
Supervised By :Semsettin Yesilyurt 08/17/2022

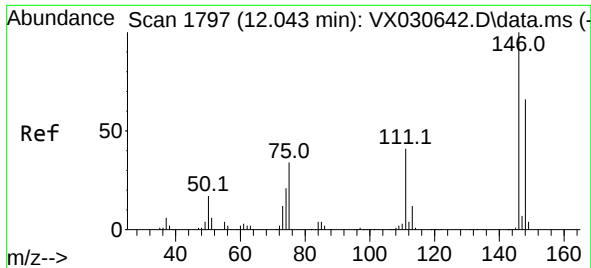


#64
1,3-Dichlorobenzene
Concen: 2.286 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38



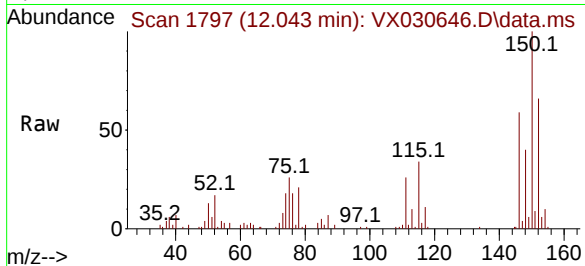
Tgt Ion:146 Resp: 8007
Ion Ratio Lower Upper
146 100
111 43.7 30.9 57.5
148 60.4 42.6 79.0





#65
1,4-Dichlorobenzene
Concen: 2.269 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

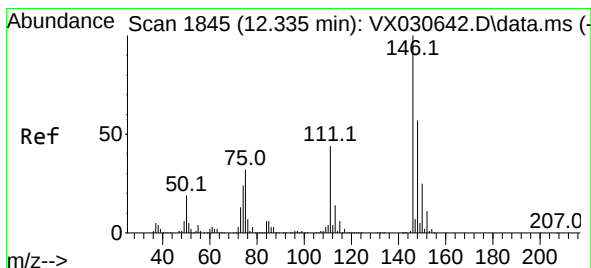
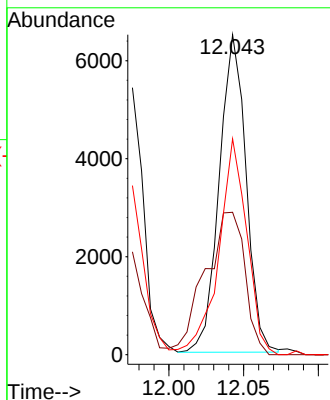
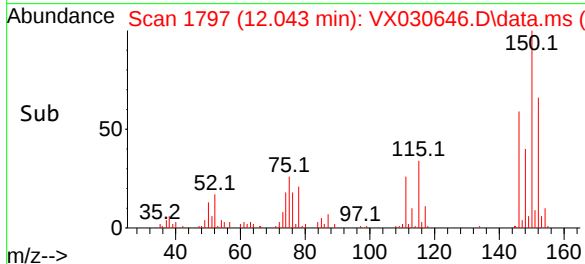
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-06



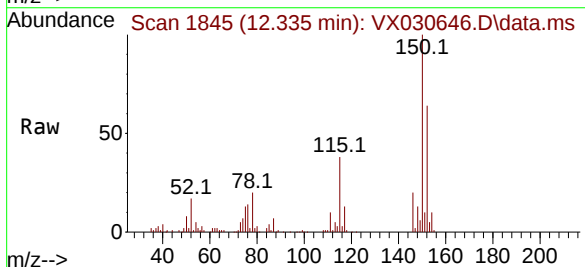
Tgt Ion:146 Resp: 807
Ion Ratio Lower Upper
146 100
111 44.5 32.6 60.6
148 67.4 48.3 89.7

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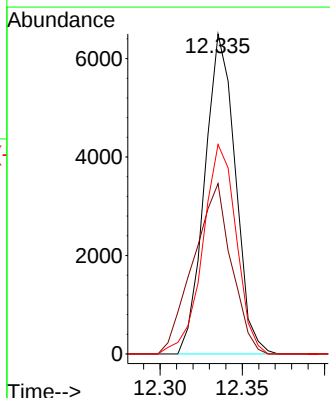
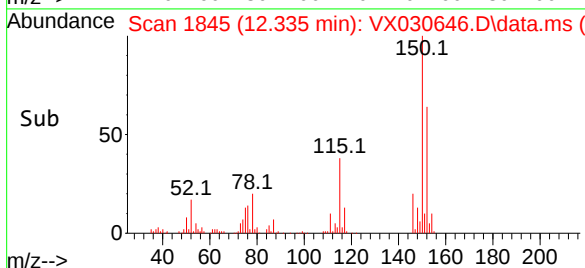
Reviewed By :John Carlone 08/17/2022
Supervised By :Semsettin Yesilyurt 08/17/2022

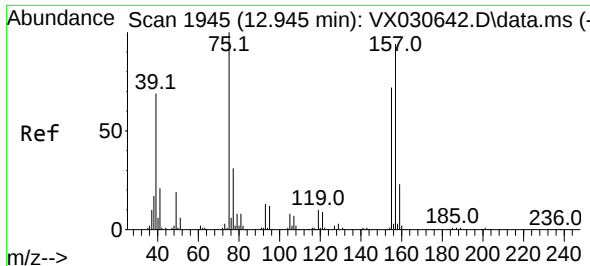


#67
1,2-Dichlorobenzene
Concen: 2.324 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38



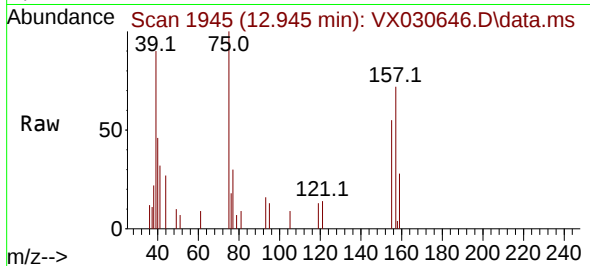
Tgt Ion:146 Resp: 8416
Ion Ratio Lower Upper
146 100
111 53.3 36.9 55.3
148 65.5 49.9 74.9





#68
1,2-Dibromo-3-chloropropane
Concen: 2.002 ug/L
RT: 12.945 min Scan# 1945
Delta R.T. 0.000 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

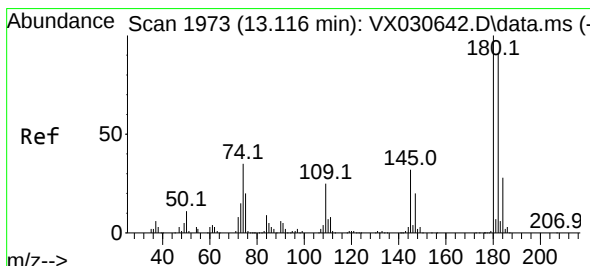
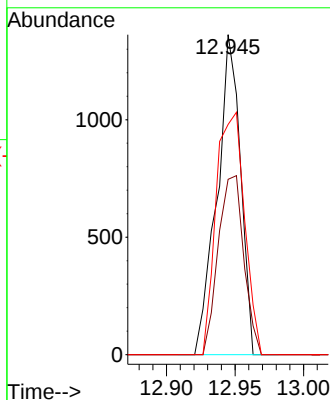
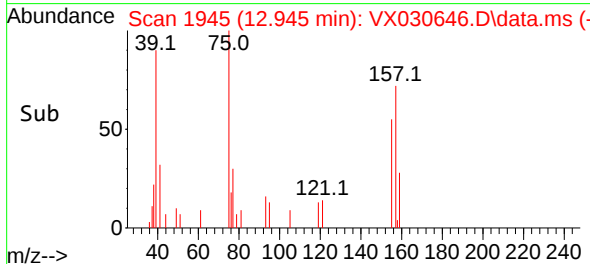
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-06



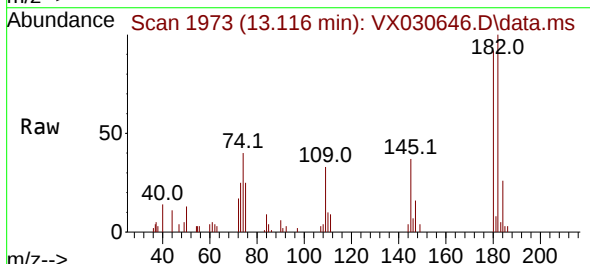
Tgt Ion: 75 Resp: 161
Ion Ratio Lower Upper
75 100
155 54.8 57.1 85.7
157 72.0 73.1 109.7

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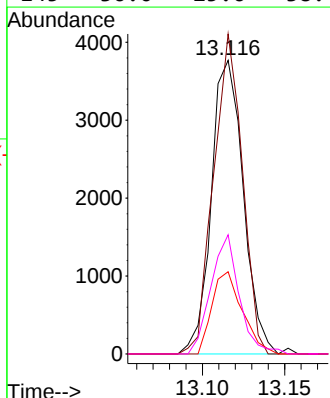
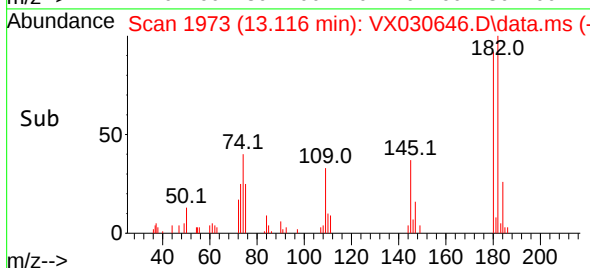
Reviewed By :John Carlone 08/17/2022
Supervised By :Semsettin Yesilyurt 08/17/2022

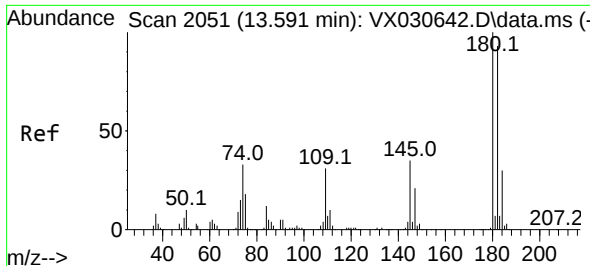


#69
1,3,5-Trichlorobenzene
Concen: 2.077 ug/L
RT: 13.116 min Scan# 1973
Delta R.T. 0.000 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38



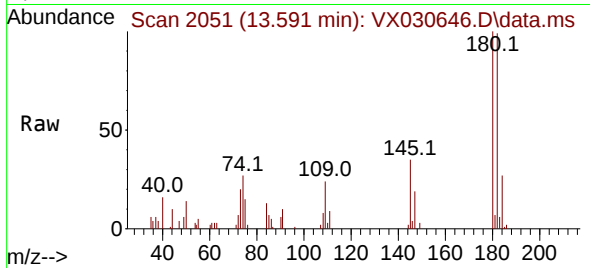
Tgt Ion:180 Resp: 5100
Ion Ratio Lower Upper
180 100
182 98.0 73.7 110.5
184 26.6 24.1 36.1
145 36.0 25.6 38.4





#70
1,2,4-trichlorobenzene
Concen: 2.133 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

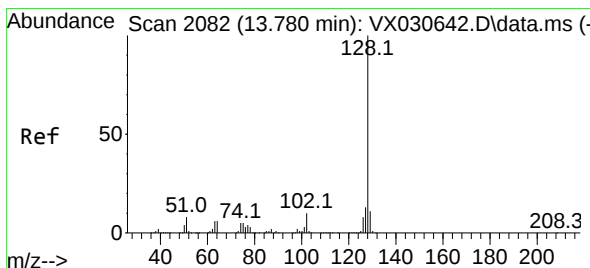
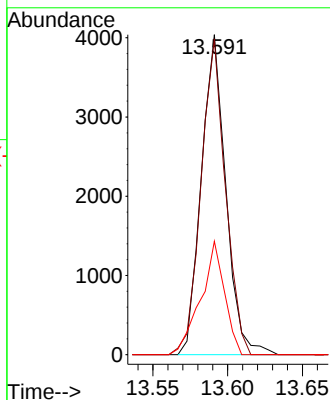
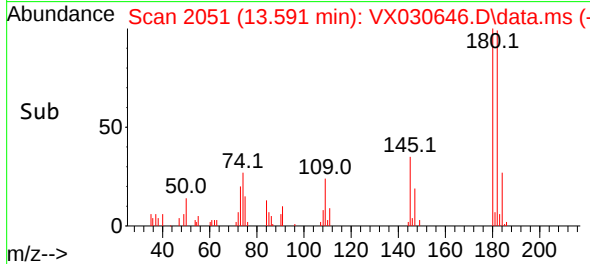
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT3-2022-06



Tgt Ion:180 Resp: 4600
Ion Ratio Lower Upper
180 100
182 98.0 72.7 109.1
145 34.4 26.6 40.0

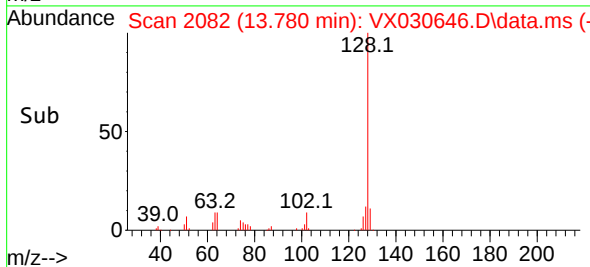
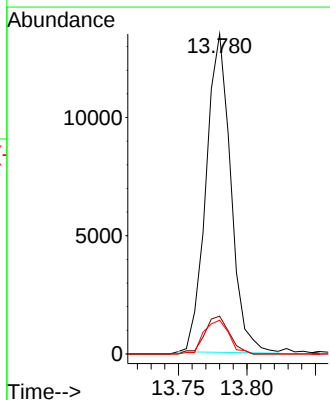
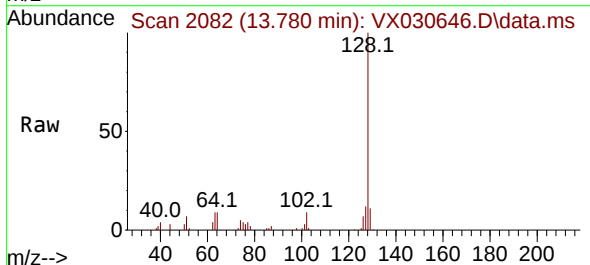
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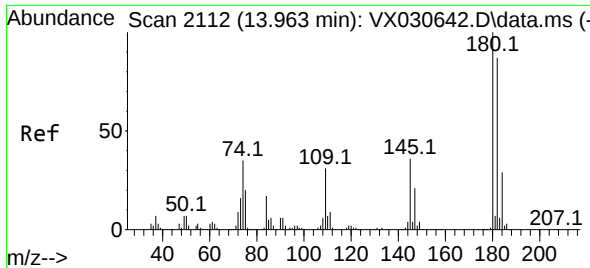
Reviewed By :John Carlone 08/17/2022
Supervised By :Semsettin Yesilyurt 08/17/2022



#71
Naphthalene
Concen: 1.888 ug/L
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX030646.D
Acq: 16 Aug 2022 11:38

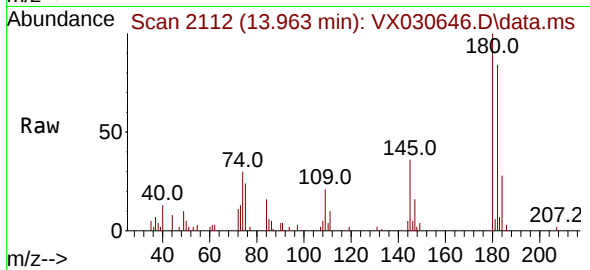
Tgt Ion:128 Resp: 16860
Ion Ratio Lower Upper
128 100
127 12.0 10.3 15.5
129 10.7 8.8 13.2





#72
 1,2,3-Trichlorobenzene
 Concen: 2.232 ug/L
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX030646.D
 Acq: 16 Aug 2022 11:38

Instrument : MSVOA_X
 ClientSampleId :
 MDL-WATER-QT3-2022-06



Tgt Ion:	180	Resp:	508
Ion Ratio	Lower	Upper	
180	100		
182	86.7	74.6	112.0
145	36.3	28.4	42.6

Manual Integrations
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Reviewed By :John Carlone 08/17/2022
 Supervised By :Semsettin Yesilyurt 08/17/2022

