

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071223\
 Data File : VW031688.D
 Acq On : 12 Jul 2023 12:13
 Operator : SY/MD
 Sample : 03573-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT3-2023-06

Quant Time: Jul 13 05:06:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 13 04:58:07 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/13/2023
 Supervised By : Mahesh Dadoda 07/13/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	273291	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	293186	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	134834	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	110539	44.688	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.380%		
7) Chloroethane-d5	1.532	69	100451	56.117	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	112.240%		
11) 1,1-Dichloroethene-d2	2.059	65	55824	50.661	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	101.320%		
21) 2-Butanone-d5	3.796	46	158032	99.973	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.970%		
24) Chloroform-d	4.256	84	243995	49.426	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.860%		
26) 1,2-Dichloroethane-d4	4.947	65	156388	50.382	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.760%		
32) Benzene-d6	4.966	84	421137	47.908	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.820%		
36) 1,2-Dichloropropane-d6	5.995	67	151956	53.465	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	106.920%		
41) Toluene-d8	7.249	98	352941	44.656	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.320%		
43) trans-1,3-Dichloroprop...	7.558	79	62472	44.019	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.040%		
47) 2-Hexanone-d5	8.034	63	95450	87.618	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	87.620%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	199706	46.392	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.780%		
66) 1,2-Dichlorobenzene-d4	11.567	152	136080	55.024	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	110.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	9291	2.735	ug/L	99
3) Chloromethane	1.217	50	9421	2.680	ug/L	93
5) Vinyl chloride	1.285	62	8924	2.711	ug/L #	81
6) Bromomethane	1.487	94	5805	3.087	ug/L	95
8) Chloroethane	1.551	64	5937	3.271	ug/L	83
9) Trichlorofluoromethane	1.715	101	14018	2.972	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	8649	3.186	ug/L	94
12) 1,1-Dichloroethene	2.072	96	8475	3.592	ug/L #	1
13) Acetone	2.124	43	7909	5.790	ug/L	94
14) Carbon disulfide	2.243	76	21339	2.747	ug/L	99
15) Methyl Acetate	2.387	43	7861	2.730	ug/L #	51
16) Methylene chloride	2.452	84	9231	3.309	ug/L	89
17) trans-1,2-Dichloroethene	2.703	96	6082	2.523	ug/L	89
18) Methyl tert-butyl Ether	2.712	73	17003	2.318	ug/L #	96
19) 1,1-Dichloroethane	3.117	63	13649	2.770	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	7047	2.850	ug/L	93
22) 2-Butanone	3.902	43	10658m	5.631	ug/L	
23) Bromochloromethane	4.159	128	3830	2.849	ug/L	89
25) Chloroform	4.288	83	17421	3.447	ug/L	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071223\
 Data File : VW031688.D
 Acq On : 12 Jul 2023 12:13
 Operator : SY/MD
 Sample : 03573-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT3-2023-06

Quant Time: Jul 13 05:06:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 13 04:58:07 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 07/13/2023
 Supervised By :Mahesh Dadoda 07/13/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.063	62	11681m	3.111	ug/L	
29) Cyclohexane	4.584	56	7968	2.073	ug/L	91
30) 1,1,1-Trichloroethane	4.526	97	12777	2.789	ug/L #	88
31) Carbon tetrachloride	4.744	117	11116	2.738	ug/L	99
33) Benzene	5.021	78	28085	2.809	ug/L	100
34) Trichloroethene	5.844	95	7561	2.688	ug/L #	45
35) Methylcyclohexane	6.056	83	9386m	2.451	ug/L	
37) 1,2-Dichloropropane	6.108	63	7327	2.621	ug/L #	93
38) Bromodichloromethane	6.442	83	10698	2.823	ug/L	90
39) cis-1,3-Dichloropropene	6.966	75	10481m	2.479	ug/L	
40) 4-Methyl-2-pentanone	7.172	43	14970	4.306	ug/L #	89
42) Toluene	7.326	91	25324	2.453	ug/L	94
44) trans-1,3-Dichloropropene	7.593	75	10980m	2.603	ug/L	
45) 1,1,2-Trichloroethane	7.780	97	8138	2.941	ug/L	93
46) Tetrachloroethene	7.918	164	5439	2.543	ug/L	93
48) 2-Hexanone	8.091	43	16944	5.799	ug/L #	89
49) Dibromochloromethane	8.185	129	7113	2.314	ug/L	92
50) 1,2-Dibromoethane	8.294	107	8146	2.671	ug/L #	92
51) Chlorobenzene	8.821	112	17488	2.555	ug/L	97
52) Ethylbenzene	8.956	91	23416	2.084	ug/L	97
53) m,p-Xylene	9.082	106	7734	1.867	ug/L	94
54) o-Xylene	9.487	106	7358	1.918	ug/L	93
55) Styrene	9.506	104	12206	1.728	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.181	83	12103	2.817	ug/L	94
59) Bromoform	9.673	173	3047m	1.768	ug/L	
60) Isopropylbenzene	9.873	105	19372	2.353	ug/L	98
61) 1,2,3-Trichloropropane	10.217	75	9621	3.431	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	15240	2.265	ug/L	91
63) 1,2,4-Trimethylbenzene	10.860	105	14642	2.185	ug/L	98
64) 1,3-Dichlorobenzene	11.127	146	11080	2.591	ug/L	88
65) 1,4-Dichlorobenzene	11.213	146	12096	2.608	ug/L	96
67) 1,2-Dichlorobenzene	11.583	146	14107	3.216	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	2514	2.938	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	8857	2.765	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	7200	2.536	ug/L	97
71) Naphthalene	13.448	128	17367	2.114	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	6930	2.328	ug/L	93

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

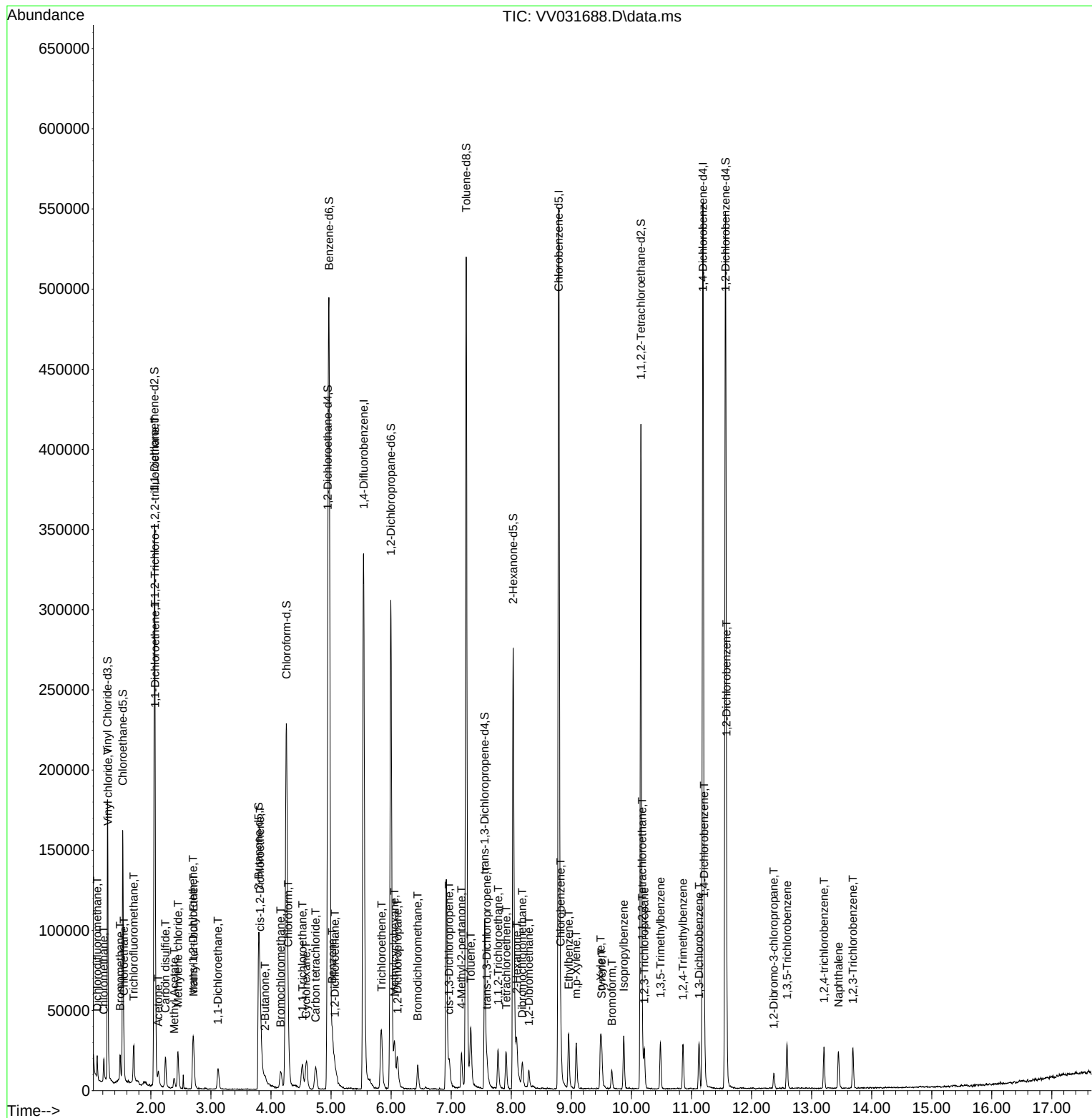
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071223\
 Data File : VV031688.D
 Acq On : 12 Jul 2023 12:13
 Operator : SY/MD
 Sample : 03573-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

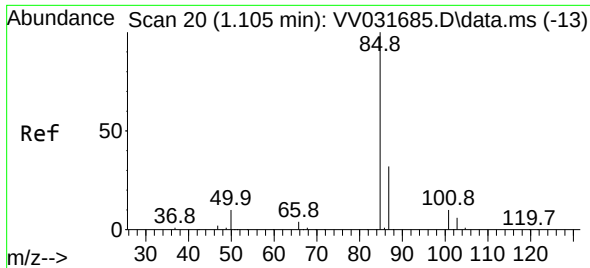
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT3-2023-06

Quant Time: Jul 13 05:06:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 13 04:58:07 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/13/2023
 Supervised By : Mahesh Dadoda 07/13/2023





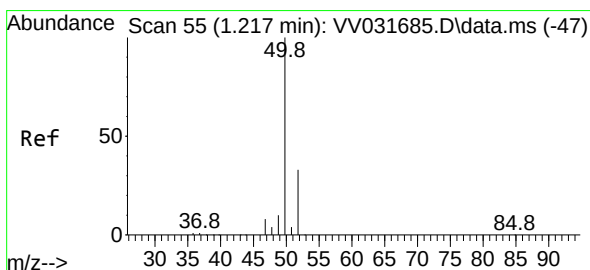
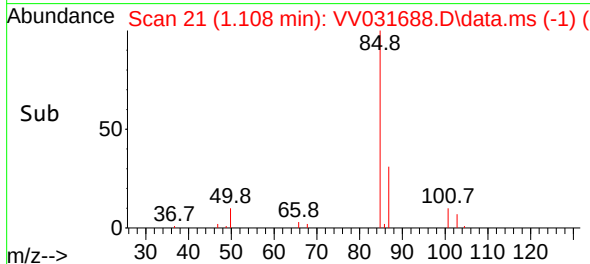
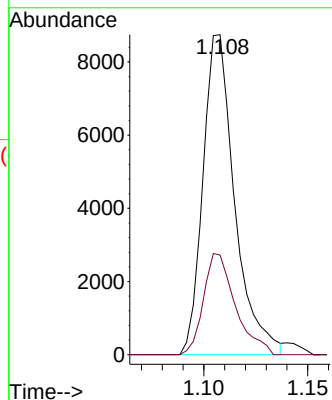
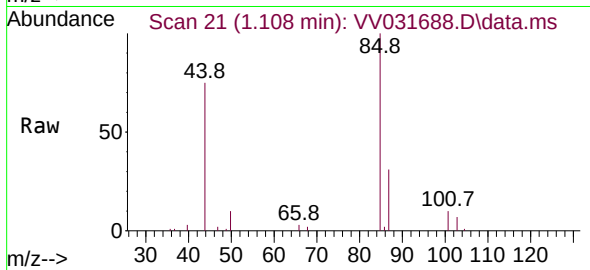
#2
Dichlorodifluoromethane
Concen: 2.735 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-06

Tgt Ion: 85 Resp: 929
Ion Ratio Lower Upper
85 100
87 31.8 25.8 38.6

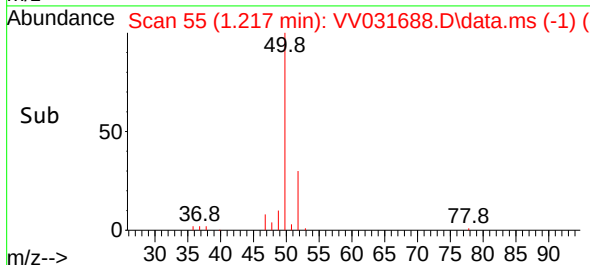
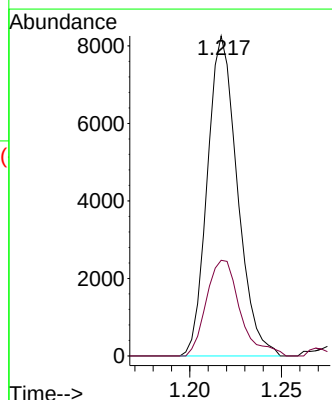
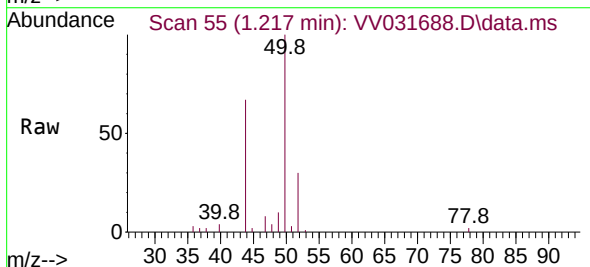
Manual Integrations
APPROVED

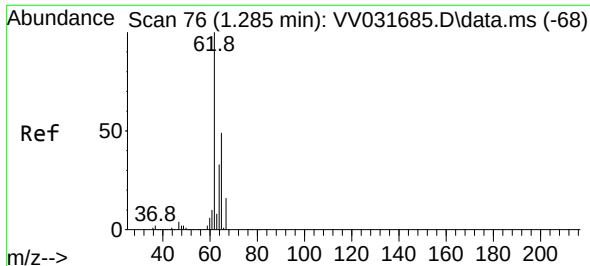
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#3
Chloromethane
Concen: 2.680 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

Tgt Ion: 50 Resp: 9421
Ion Ratio Lower Upper
50 100
52 29.9 23.7 44.1





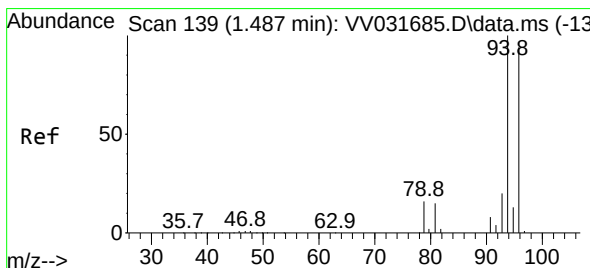
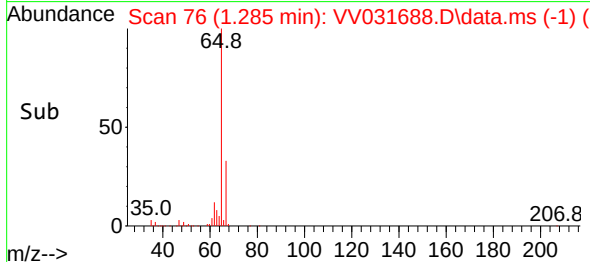
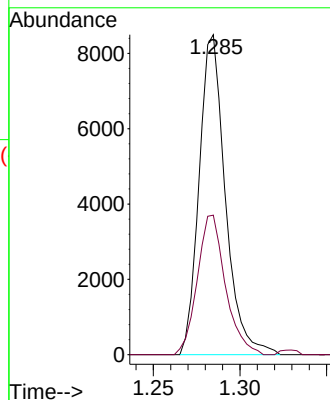
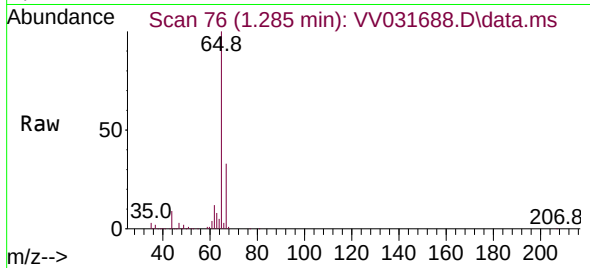
#5
 Vinyl chloride
 Concen: 2.711 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV031688.D
 Acq: 12 Jul 2023 12:13

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT3-2023-06

Tgt Ion: 62 Resp: 8924
 Ion Ratio Lower Upper
 62 100
 64 43.6 22.9 42.5

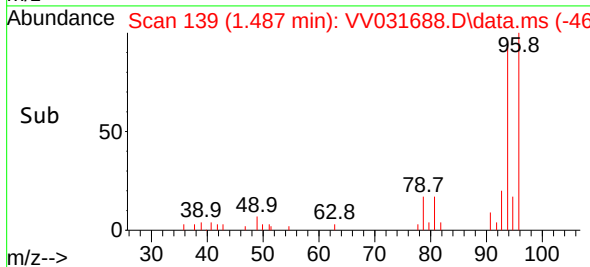
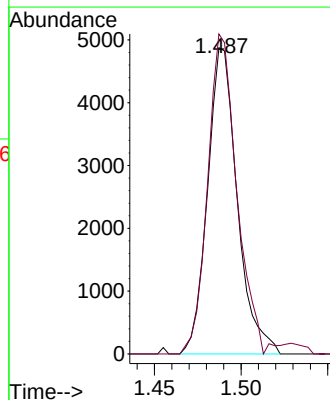
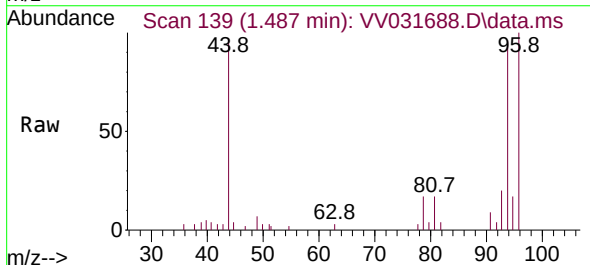
Manual Integrations
 APPROVED

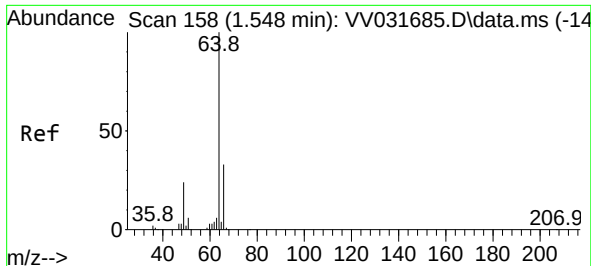
Reviewed By :John Carlone 07/13/2023
 Supervised By :Mahesh Dadoda 07/13/2023



#6
 Bromomethane
 Concen: 3.087 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV031688.D
 Acq: 12 Jul 2023 12:13

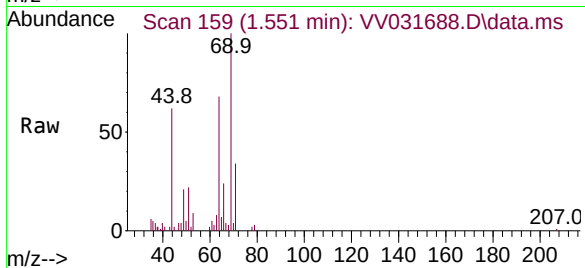
Tgt Ion: 94 Resp: 5805
 Ion Ratio Lower Upper
 94 100
 96 89.0 65.7 121.9





#8
Chloroethane
Concen: 3.271 ug/L
RT: 1.551 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

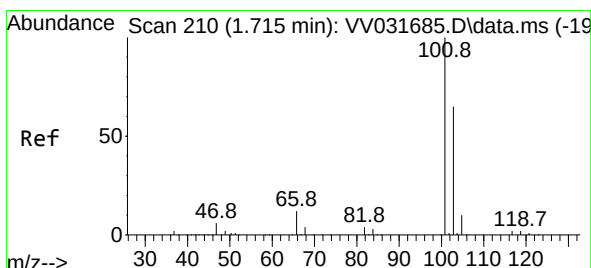
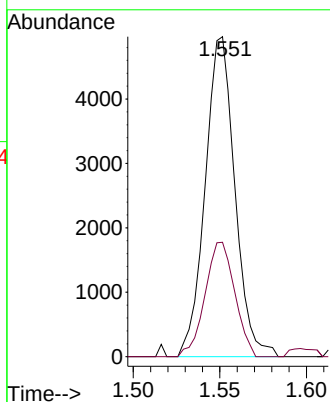
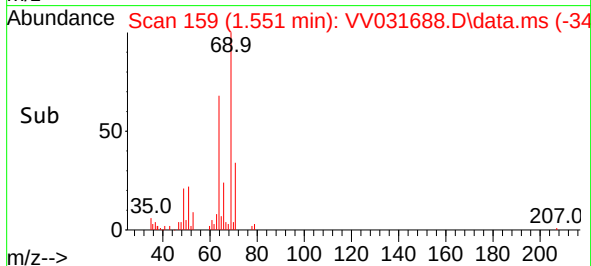
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion: 64 Resp: 593
Ion Ratio Lower Upper
64 100
66 41.4 22.4 41.6

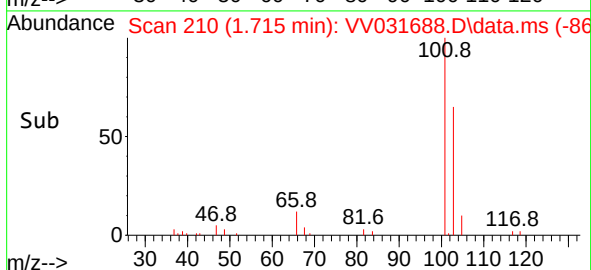
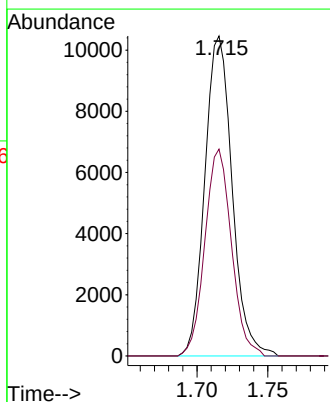
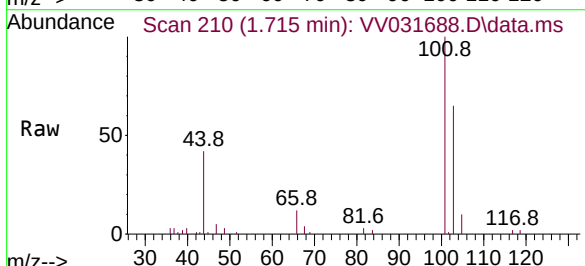
Manual Integrations
APPROVED

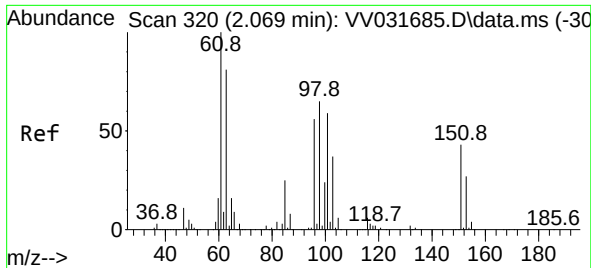
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#9
Trichlorofluoromethane
Concen: 2.972 ug/L
RT: 1.715 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

Tgt Ion:101 Resp: 14018
Ion Ratio Lower Upper
101 100
103 62.9 51.7 77.5





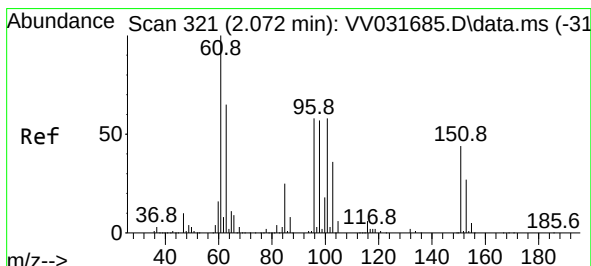
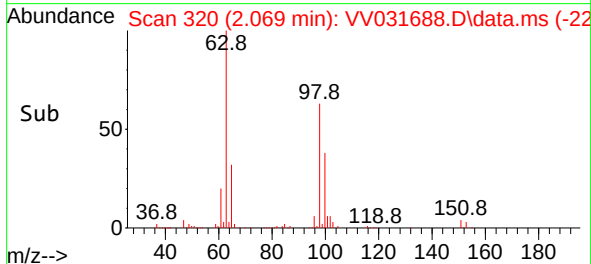
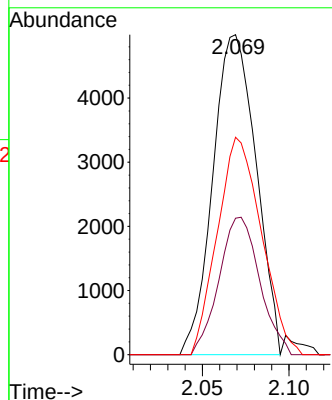
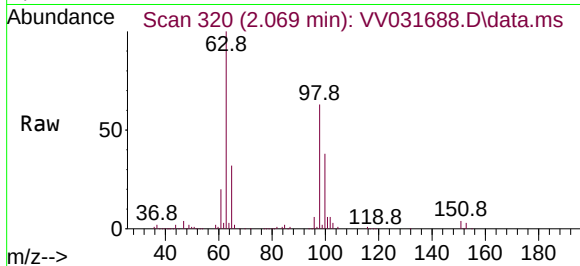
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.186 ug/L
RT: 2.069 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-06

Tgt Ion:101 Resp: 8649
Ion Ratio Lower Upper
101 100
85 40.4 33.9 50.9
151 69.3 61.0 91.6

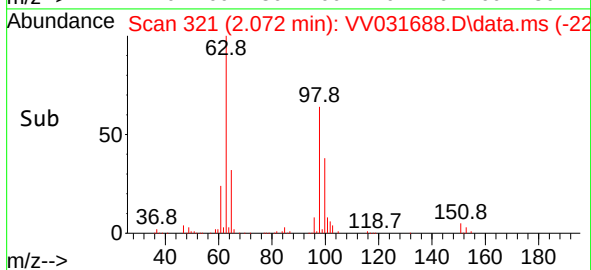
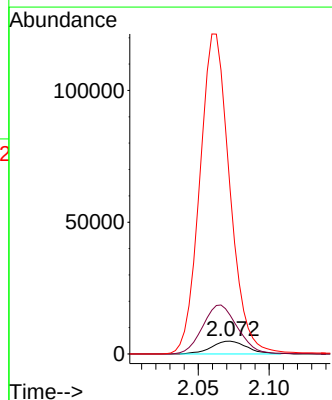
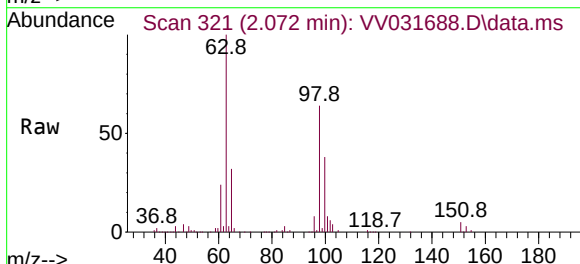
Manual Integrations
APPROVED

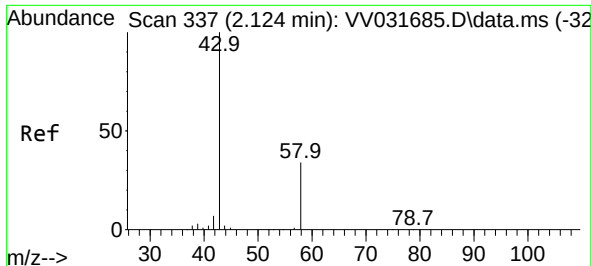
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#12
1,1-Dichloroethene
Concen: 3.592 ug/L
RT: 2.072 min Scan# 321
Delta R.T. 0.000 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

Tgt Ion: 96 Resp: 8475
Ion Ratio Lower Upper
96 100
61 303.2 118.3 219.7#
63 1284.8 96.8 179.8#





#13

Acetone

Concen: 5.790 ug/L

RT: 2.124 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031688.D

Acq: 12 Jul 2023 12:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2023-06

Tgt Ion: 43 Resp: 7909

Ion Ratio Lower Upper

43 100

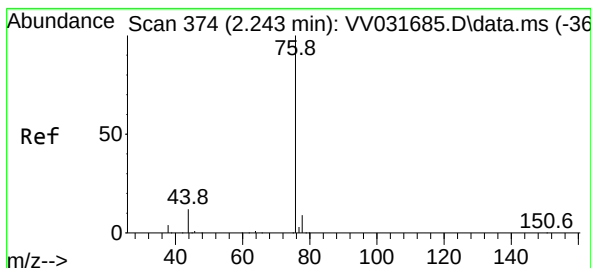
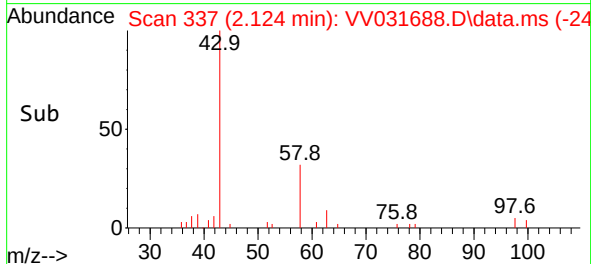
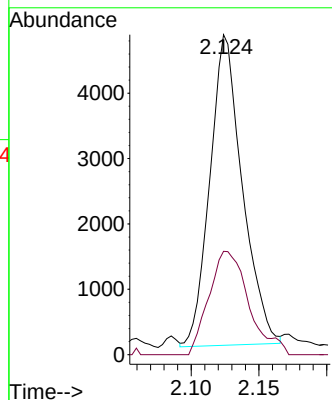
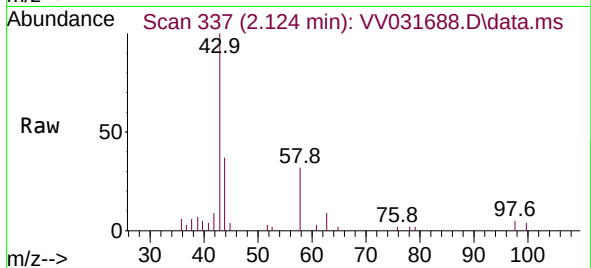
58 39.4 0.0 72.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#14

Carbon disulfide

Concen: 2.747 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV031688.D

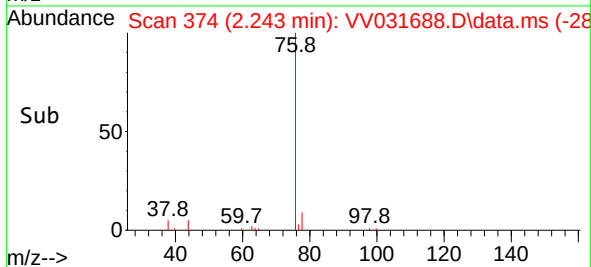
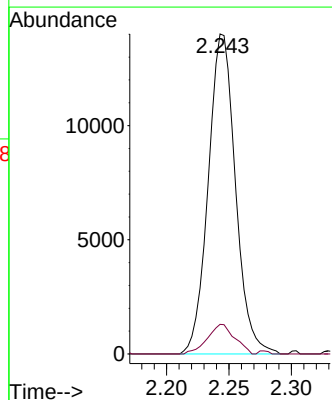
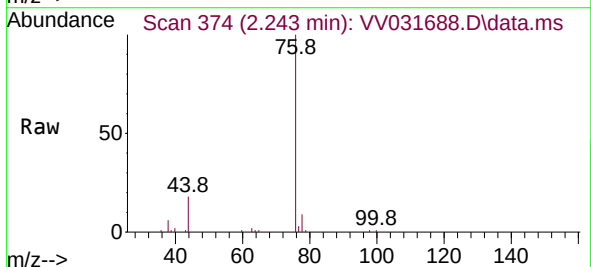
Acq: 12 Jul 2023 12:13

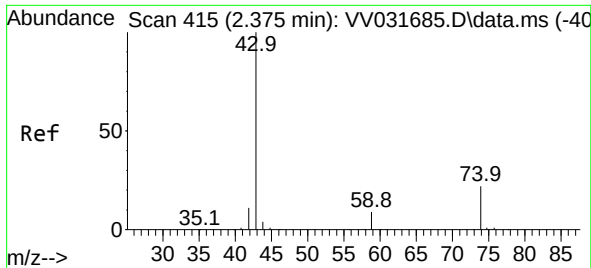
Tgt Ion: 76 Resp: 21339

Ion Ratio Lower Upper

76 100

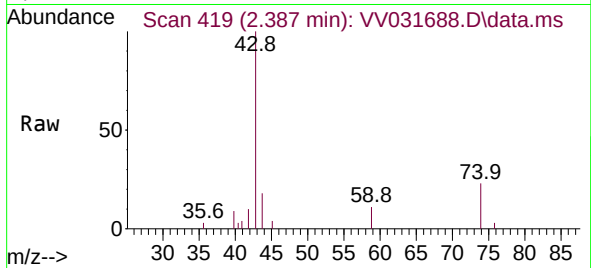
78 9.0 7.4 11.0





#15
Methyl Acetate
Concen: 2.730 ug/L
RT: 2.387 min Scan# 415
Delta R.T. 0.013 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

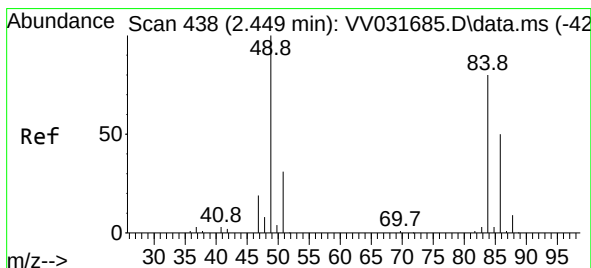
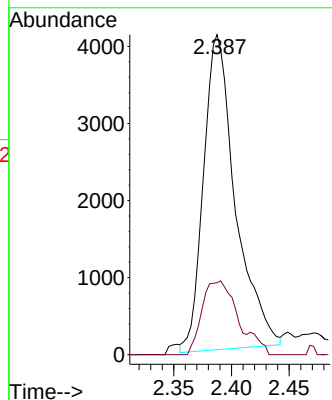
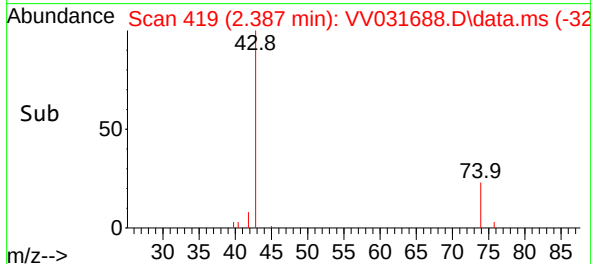
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion: 43 Resp: 786
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3

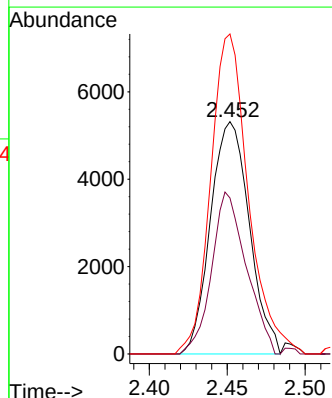
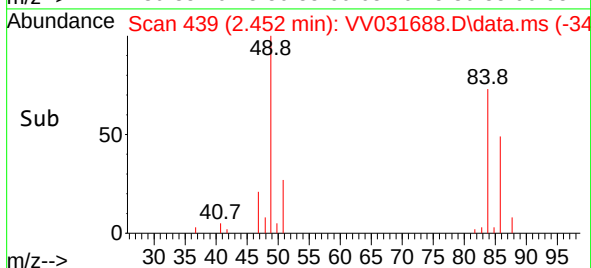
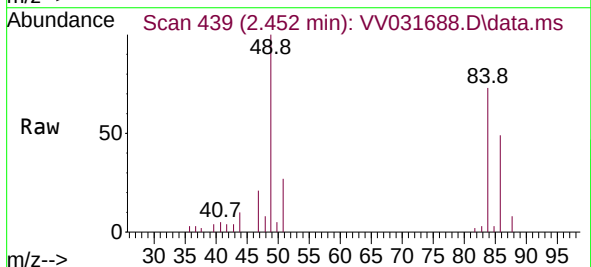
Manual Integrations
APPROVED

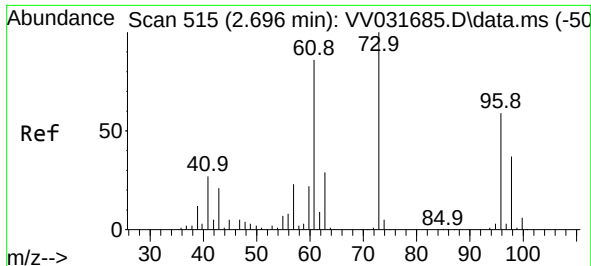
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#16
Methylene chloride
Concen: 3.309 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.003 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

Tgt Ion: 84 Resp: 9231
Ion Ratio Lower Upper
84 100
86 67.1 44.5 82.7
49 137.7 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 2.523 ug/L

RT: 2.703 min Scan# 515

Delta R.T. 0.006 min

Lab File: VV031688.D

Acq: 12 Jul 2023 12:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2023-06

Tgt Ion: 96 Resp: 608

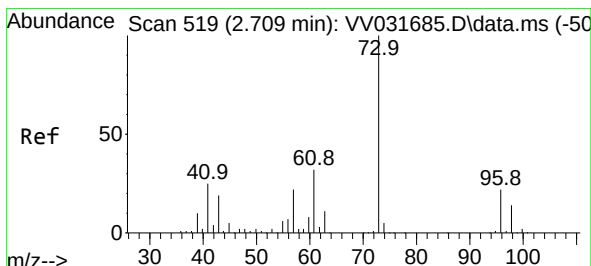
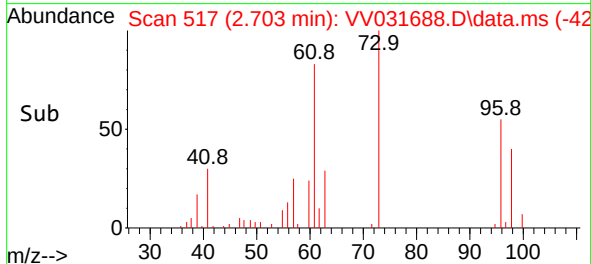
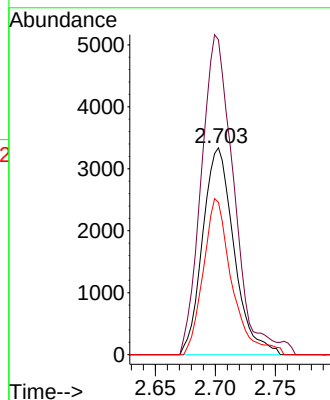
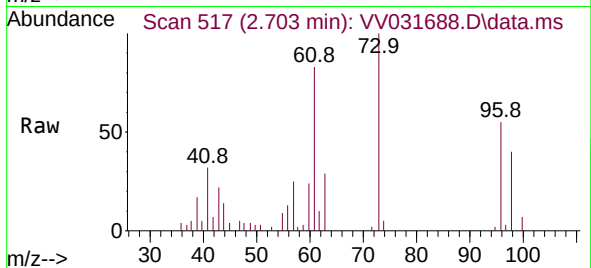
Ion	Ratio	Lower	Upper
96	100		
61	160.6	101.6	188.6
98	69.4	44.7	82.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#18

Methyl tert-butyl Ether

Concen: 2.318 ug/L

RT: 2.712 min Scan# 520

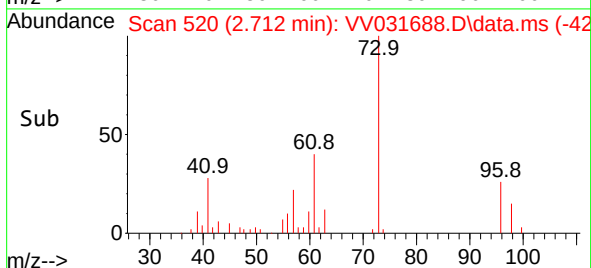
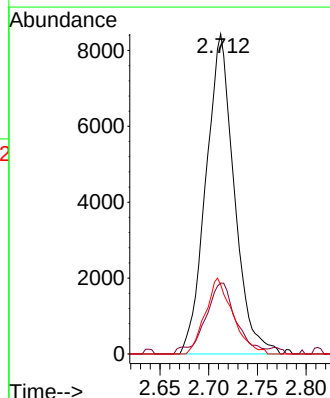
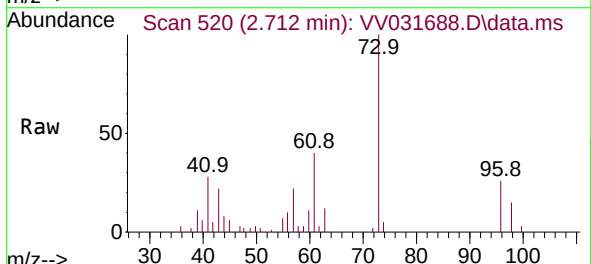
Delta R.T. 0.003 min

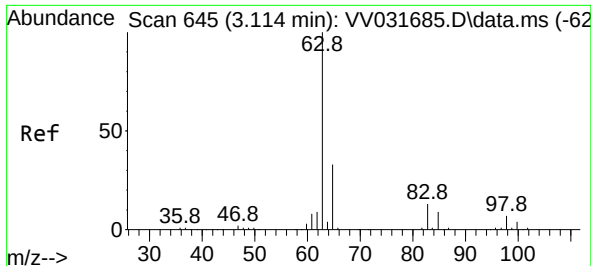
Lab File: VV031688.D

Acq: 12 Jul 2023 12:13

Tgt Ion: 73 Resp: 17003

Ion	Ratio	Lower	Upper
73	100		
43	23.1	15.0	22.4
57	22.9	18.3	27.5





#19

1,1-Dichloroethane

Concen: 2.770 ug/L

RT: 3.117 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031688.D

Acq: 12 Jul 2023 12:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2023-06

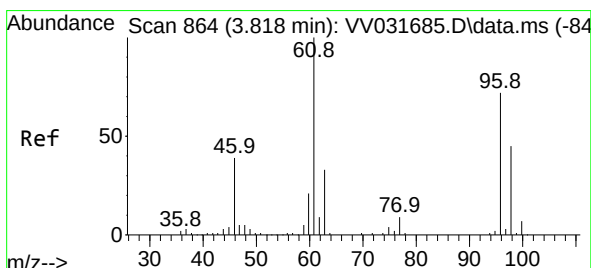
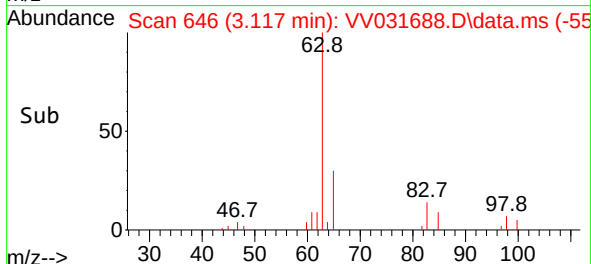
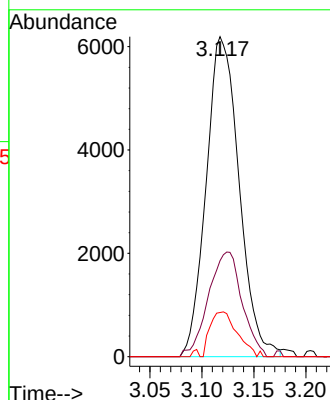
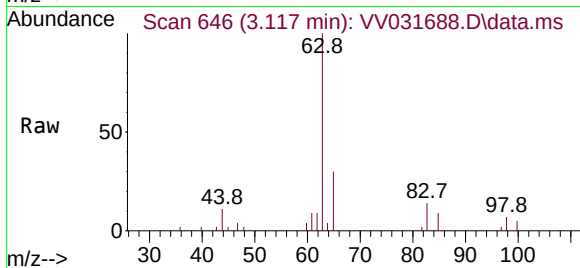
Tgt Ion: 63 Resp: 13649
 Ion Ratio Lower Upper
 63 100
 65 30.0 22.3 41.5
 83 13.8 10.6 19.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#20

cis-1,2-Dichloroethene

Concen: 2.850 ug/L

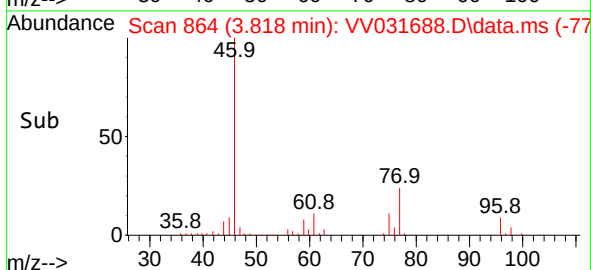
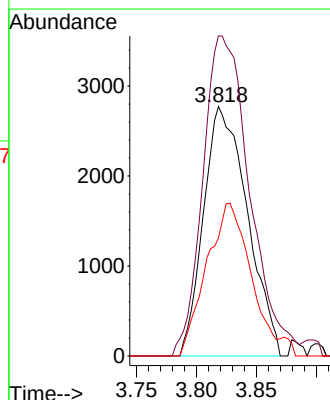
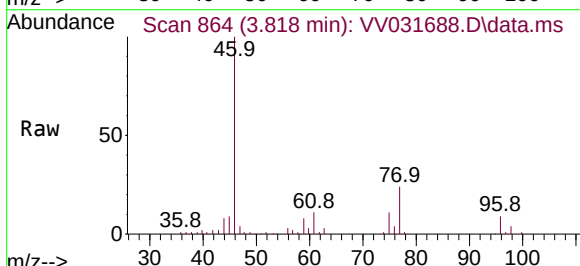
RT: 3.818 min Scan# 864

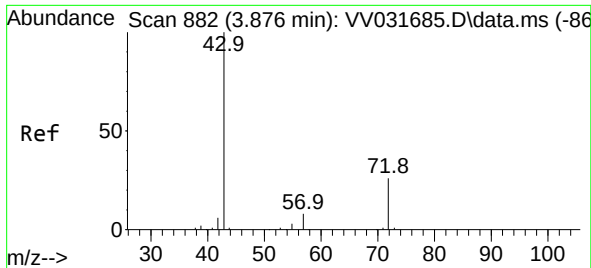
Delta R.T. 0.000 min

Lab File: VV031688.D

Acq: 12 Jul 2023 12:13

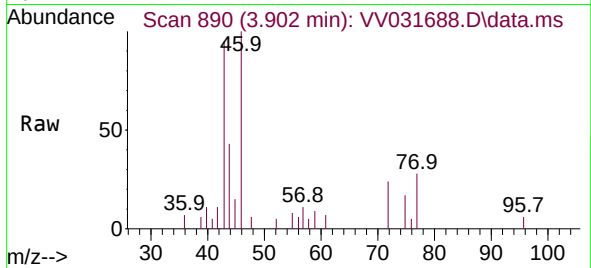
Tgt Ion: 96 Resp: 7047
 Ion Ratio Lower Upper
 96 100
 61 128.3 90.6 168.2
 98 47.3 43.8 81.3





#22
2-Butanone
Concen: 5.631 ug/L m
RT: 3.902 min Scan# 890
Delta R.T. 0.026 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

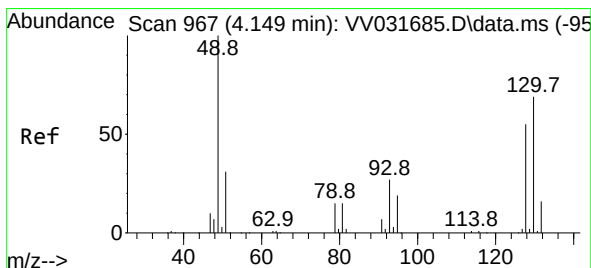
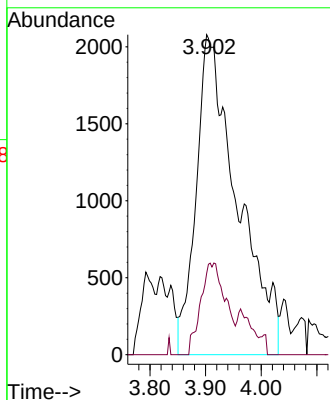
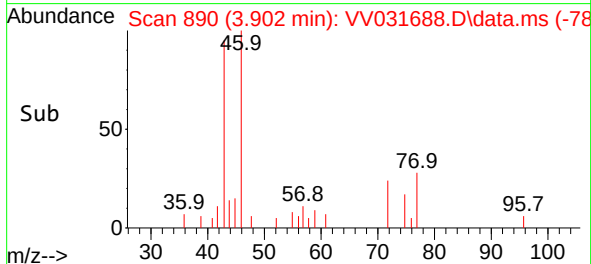
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion: 43 Resp: 1065
Ion Ratio Lower Upper
43 100
72 5.0 12.7 38.0

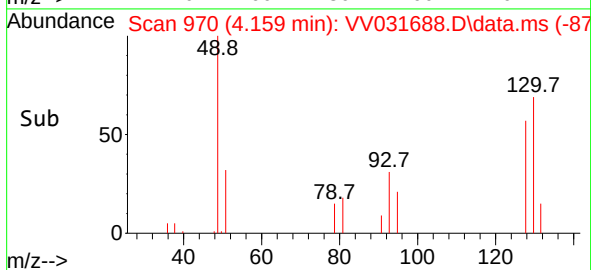
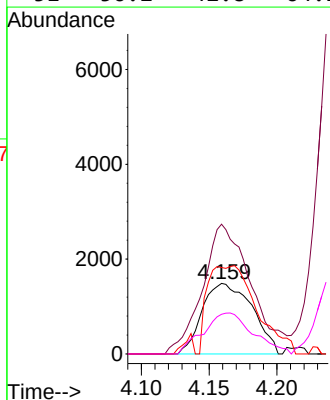
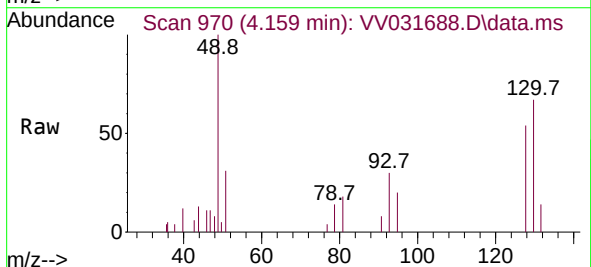
Manual Integrations
APPROVED

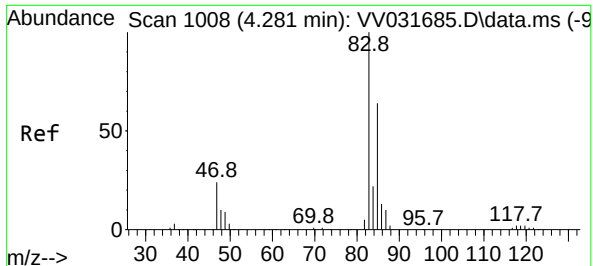
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#23
Bromochloromethane
Concen: 2.849 ug/L
RT: 4.159 min Scan# 970
Delta R.T. 0.010 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

Tgt Ion:128 Resp: 3830
Ion Ratio Lower Upper
128 100
49 193.7 117.9 218.9
130 122.5 89.1 165.5
51 56.2 42.8 64.2





#25

Chloroform

Concen: 3.447 ug/L

RT: 4.288 min Scan# 1008

Delta R.T. 0.006 min

Lab File: VV031688.D

Acq: 12 Jul 2023 12:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2023-06

Tgt Ion: 83 Resp: 1742

Ion Ratio Lower Upper

83 100

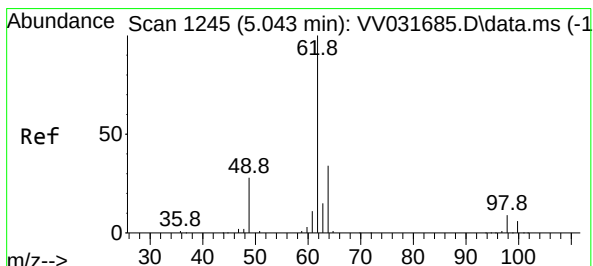
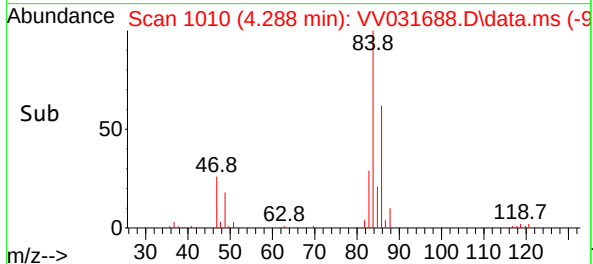
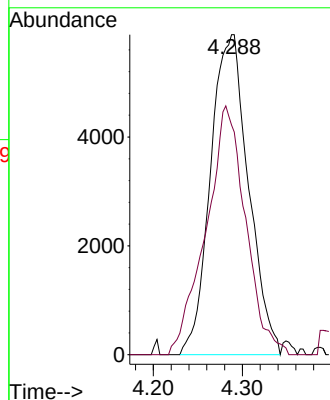
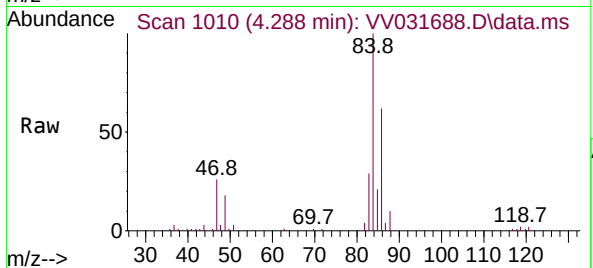
85 71.7 45.1 83.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#27

1,2-Dichloroethane

Concen: 3.111 ug/L m

RT: 5.063 min Scan# 1251

Delta R.T. 0.019 min

Lab File: VV031688.D

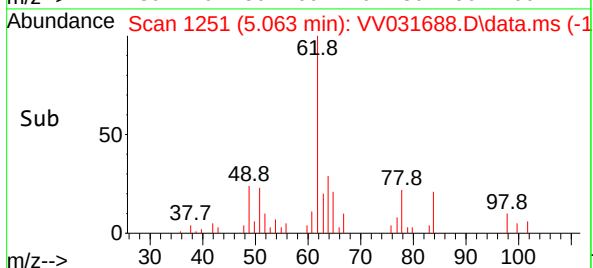
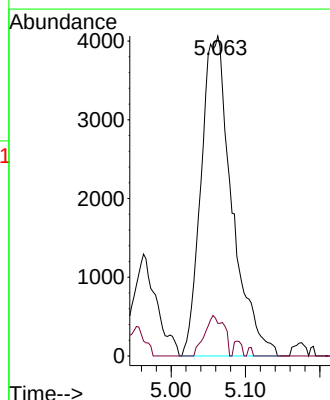
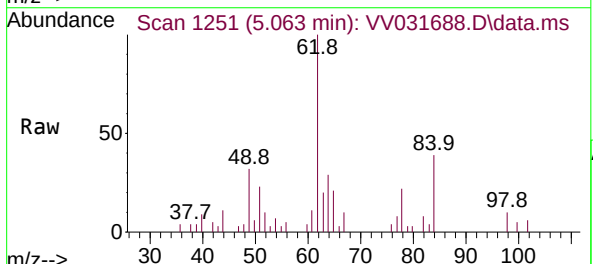
Acq: 12 Jul 2023 12:13

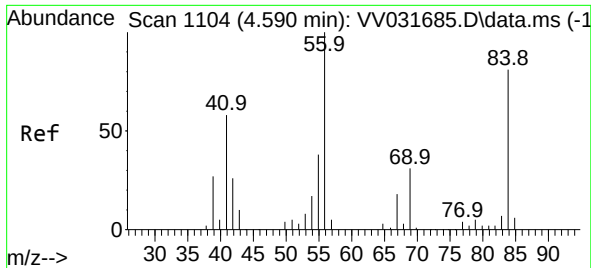
Tgt Ion: 62 Resp: 11681

Ion Ratio Lower Upper

62 100

98 10.2 7.5 11.3





#29

Cyclohexane

Concen: 2.073 ug/L

RT: 4.584 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VV031688.D

Acq: 12 Jul 2023 12:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2023-06

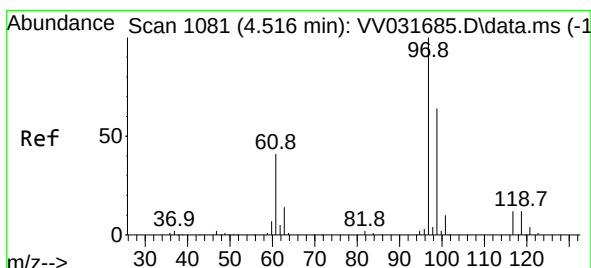
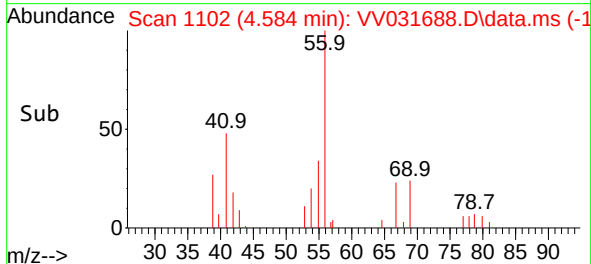
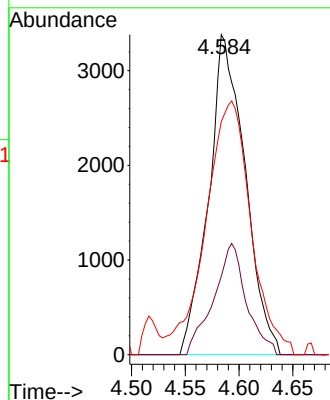
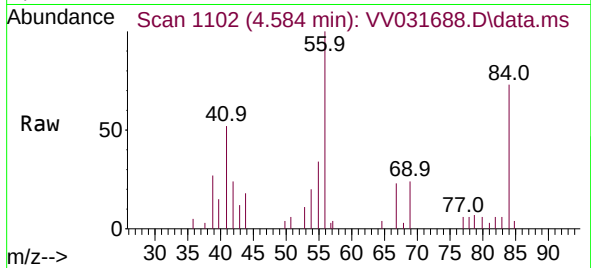
Tgt Ion: 56	Resp: 796
Ion Ratio	Lower Upper
56 100	
69 31.3	24.1 36.1
84 90.1	63.6 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#30

1,1,1-Trichloroethane

Concen: 2.789 ug/L

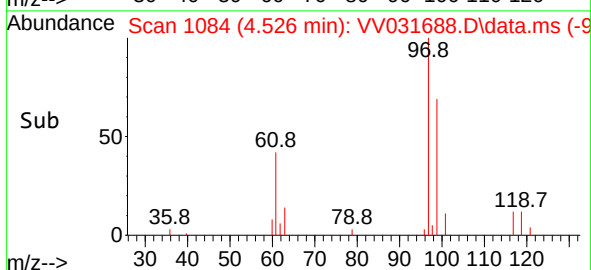
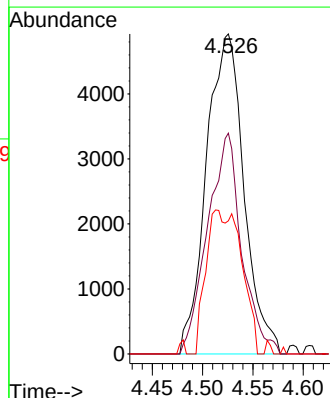
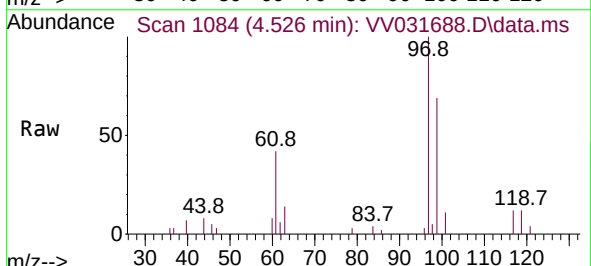
RT: 4.526 min Scan# 1084

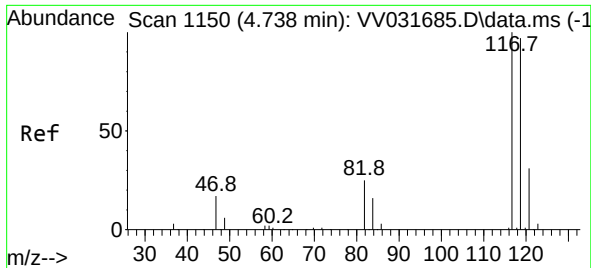
Delta R.T. 0.010 min

Lab File: VV031688.D

Acq: 12 Jul 2023 12:13

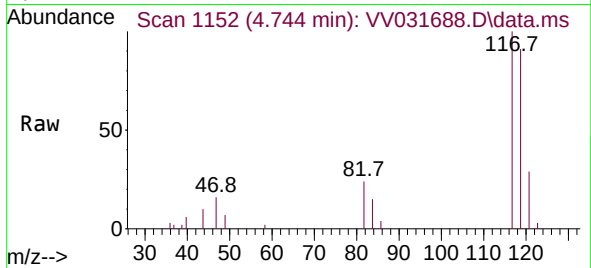
Tgt Ion: 97	Resp: 12777
Ion Ratio	Lower Upper
97 100	
99 62.6	51.5 77.3
61 23.2	32.2 48.2





#31
Carbon tetrachloride
Concen: 2.738 ug/L
RT: 4.744 min Scan# 1150
Delta R.T. 0.006 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

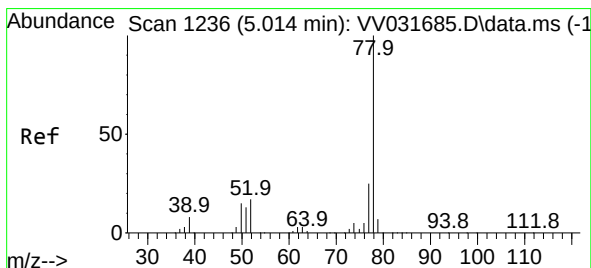
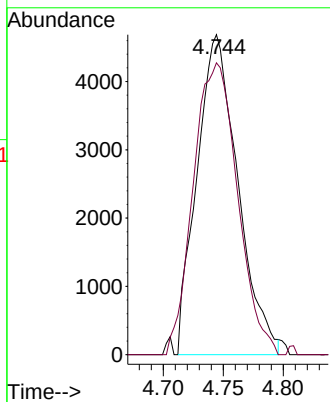
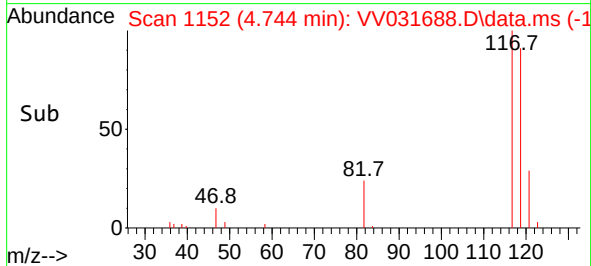
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion:117 Resp: 11110
Ion Ratio Lower Upper
117 100
119 98.6 78.0 117.0

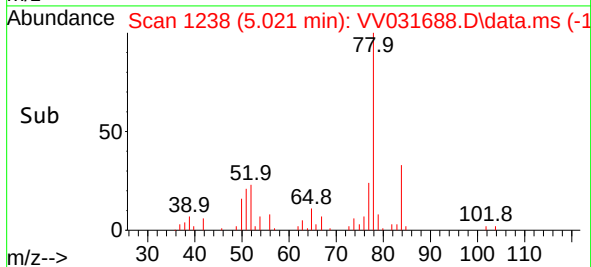
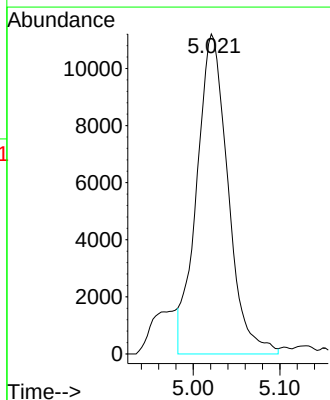
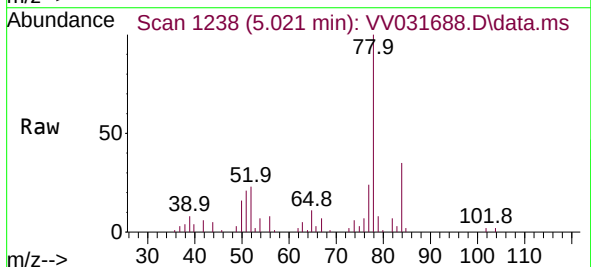
Manual Integrations
APPROVED

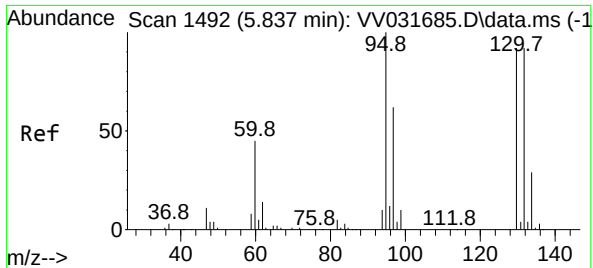
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#33
Benzene
Concen: 2.809 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.006 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

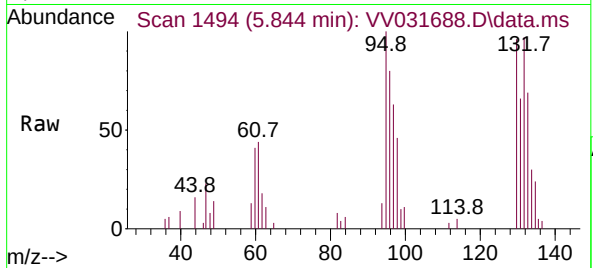
Tgt Ion: 78 Resp: 28085





#34
Trichloroethene
Concen: 2.688 ug/L
RT: 5.844 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

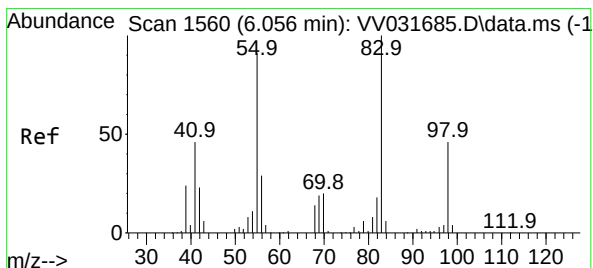
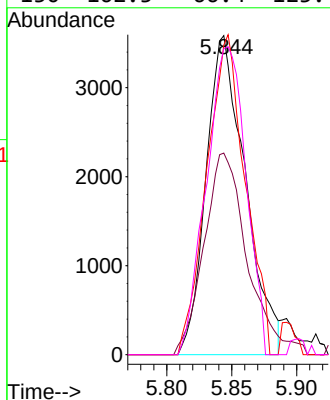
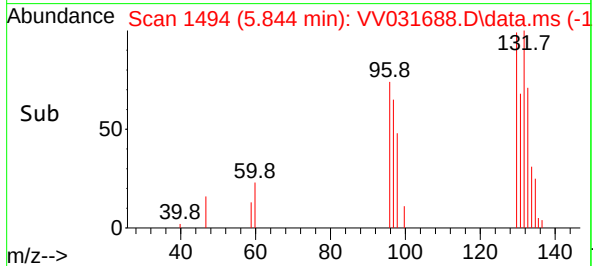
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-06



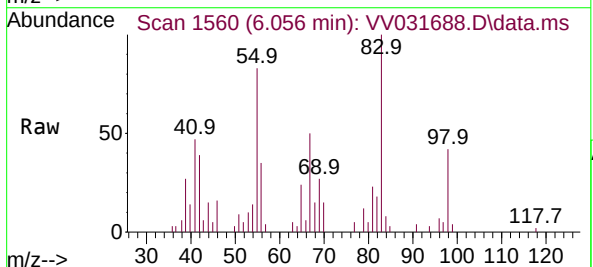
Tgt Ion: 95 Resp: 756
Ion Ratio Lower Upper
95 100
97 63.2 47.0 87.2
132 165.7 64.8 120.4
130 162.3 66.4 123.4

Manual Integrations
APPROVED

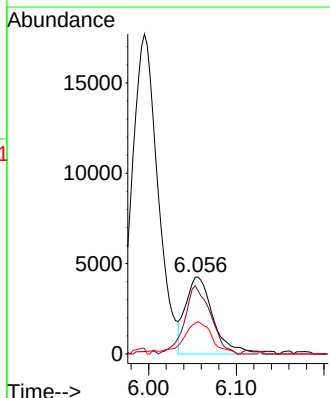
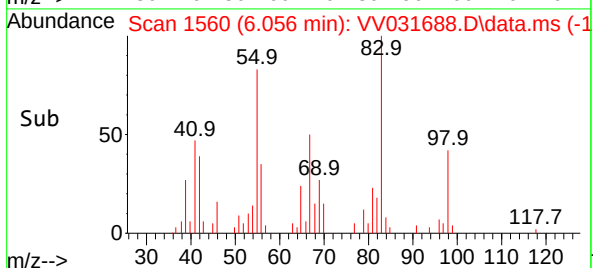
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

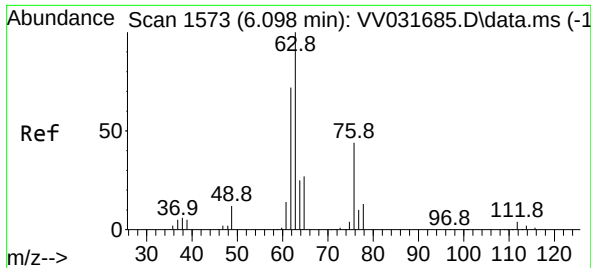


#35
Methylcyclohexane
Concen: 2.451 ug/L m
RT: 6.056 min Scan# 1560
Delta R.T. 0.000 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13



Tgt Ion: 83 Resp: 9386
Ion Ratio Lower Upper
83 100
55 82.8 69.4 104.2
98 42.3 38.2 57.2





#37

1,2-Dichloropropane

Concen: 2.621 ug/L

RT: 6.108 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV031688.D

Acq: 12 Jul 2023 12:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2023-06

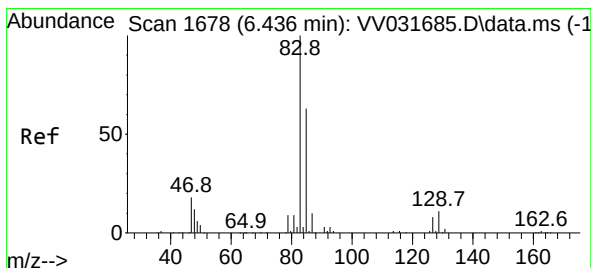
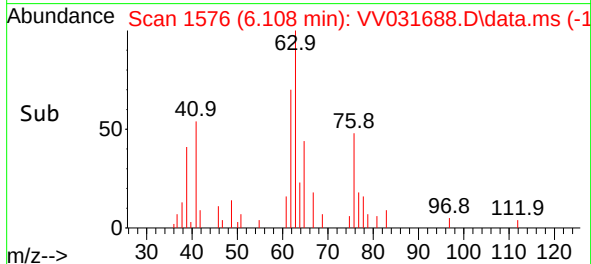
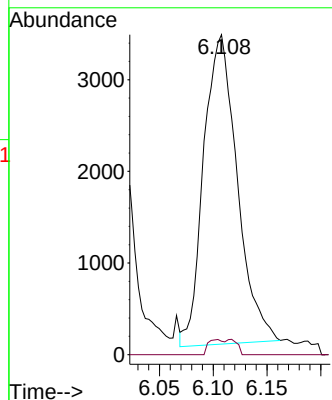
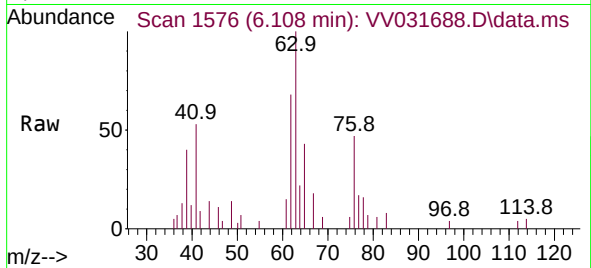
Tgt Ion: 63 Resp: 732
 Ion Ratio Lower Upper
 63 100
 112 2.3 3.7 5.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#38

Bromodichloromethane

Concen: 2.823 ug/L

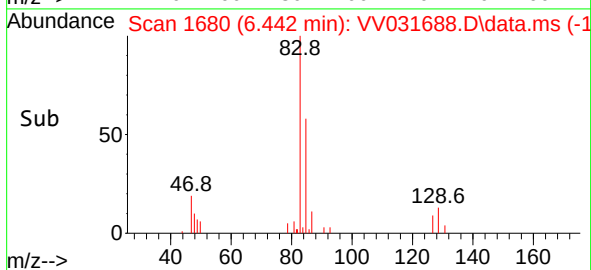
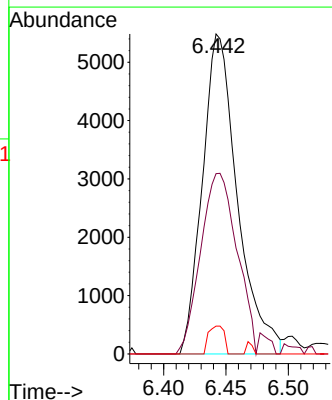
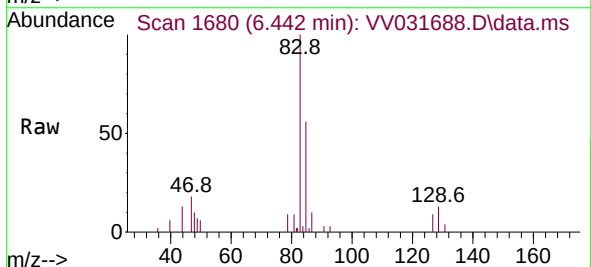
RT: 6.442 min Scan# 1680

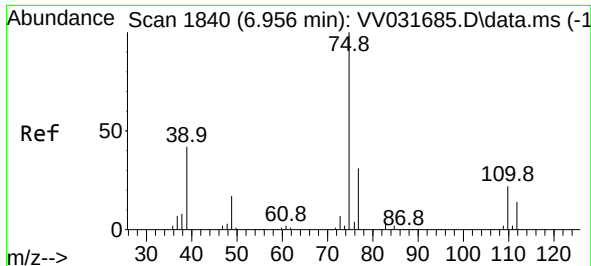
Delta R.T. 0.006 min

Lab File: VV031688.D

Acq: 12 Jul 2023 12:13

Tgt Ion: 83 Resp: 10698
 Ion Ratio Lower Upper
 83 100
 85 54.8 44.2 82.0
 127 8.5 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 2.479 ug/L m

RT: 6.966 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV031688.D

Acq: 12 Jul 2023 12:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2023-06

Tgt Ion: 75 Resp: 1048

Ion Ratio Lower Upper

75 100

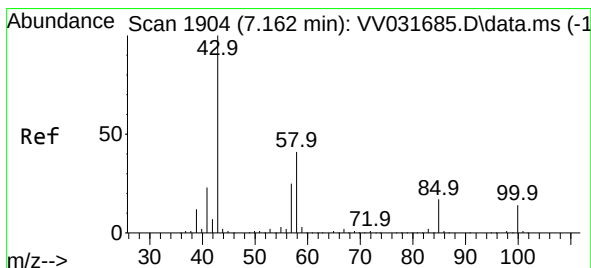
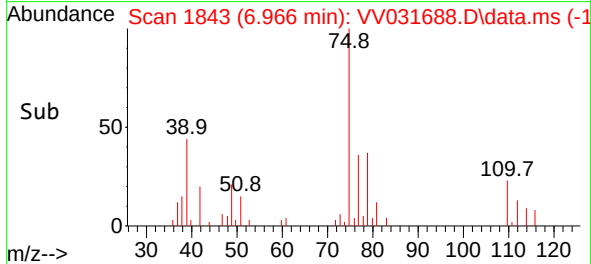
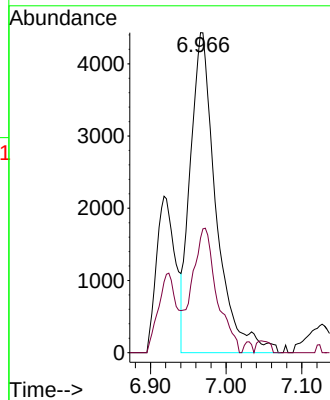
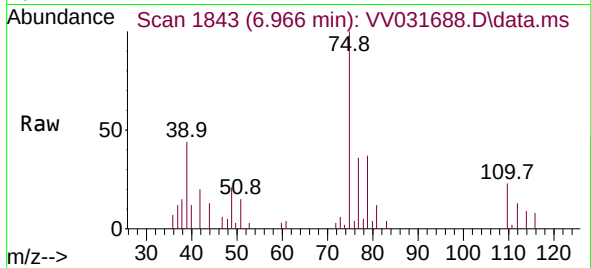
77 35.8 22.1 41.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#40

4-Methyl-2-pentanone

Concen: 4.306 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.010 min

Lab File: VV031688.D

Acq: 12 Jul 2023 12:13

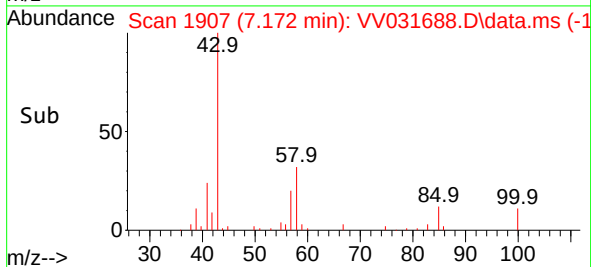
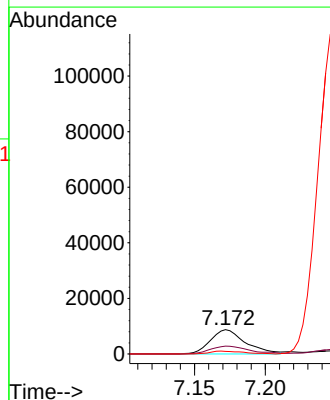
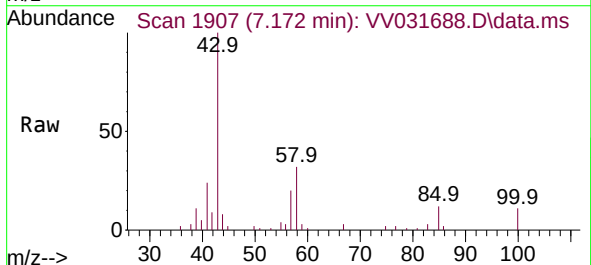
Tgt Ion: 43 Resp: 14970

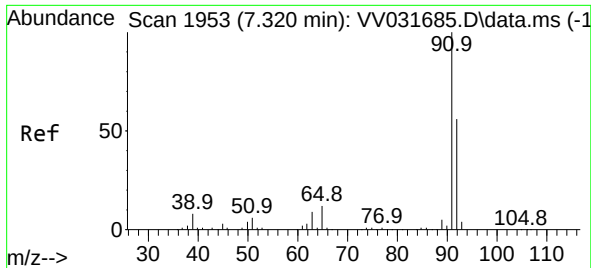
Ion Ratio Lower Upper

43 100

58 33.2 32.1 48.1

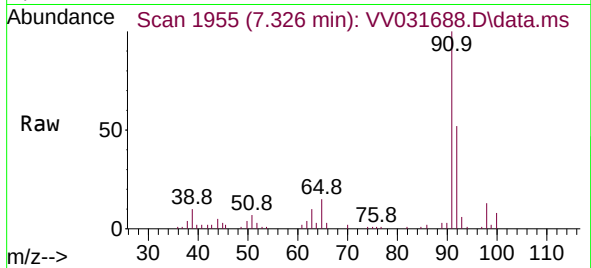
100 11.3 12.1 18.1#





#42
Toluene
Concen: 2.453 ug/L
RT: 7.326 min Scan# 1953
Delta R.T. 0.006 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

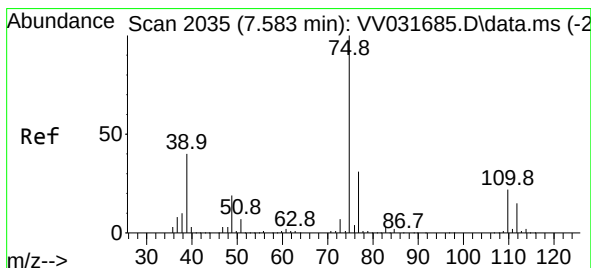
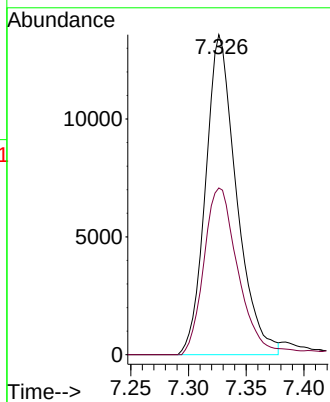
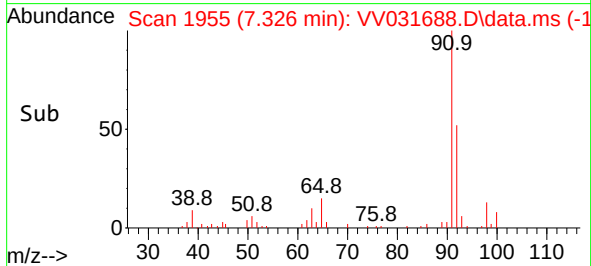
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-06



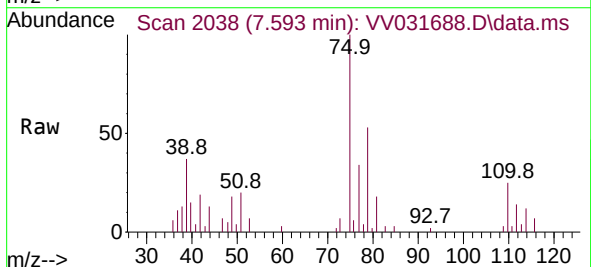
Tgt Ion: 91 Resp: 25324
Ion Ratio Lower Upper
91 100
92 52.1 39.8 73.8

Manual Integrations
APPROVED

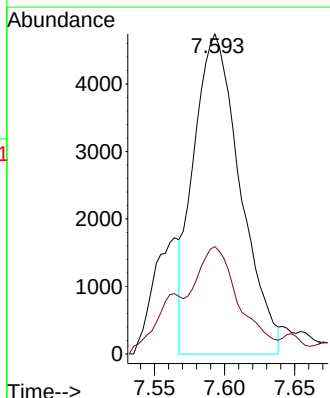
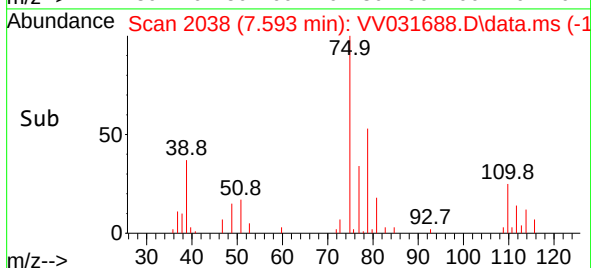
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

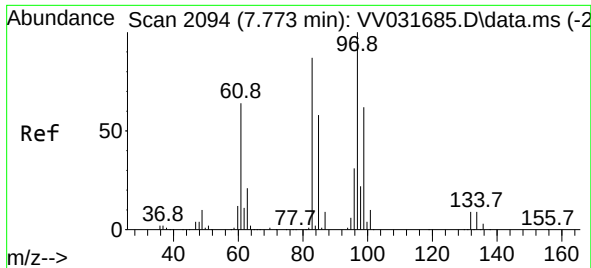


#44
trans-1,3-Dichloropropene
Concen: 2.603 ug/L m
RT: 7.593 min Scan# 2038
Delta R.T. 0.010 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13



Tgt Ion: 75 Resp: 10980
Ion Ratio Lower Upper
75 100
77 33.6 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 2.941 ug/L

RT: 7.780 min Scan# 2094

Delta R.T. 0.006 min

Lab File: VV031688.D

Acq: 12 Jul 2023 12:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2023-06

Tgt Ion: 97 Resp: 813

Ion Ratio Lower Upper

97 100

99 58.1 45.2 84.0

83 74.5 59.5 110.5

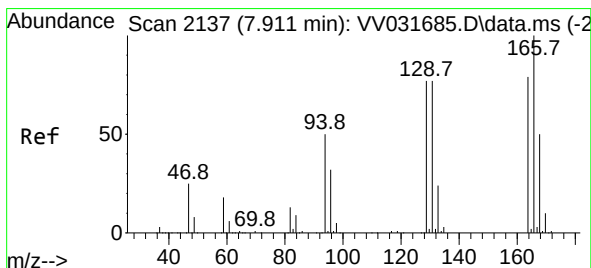
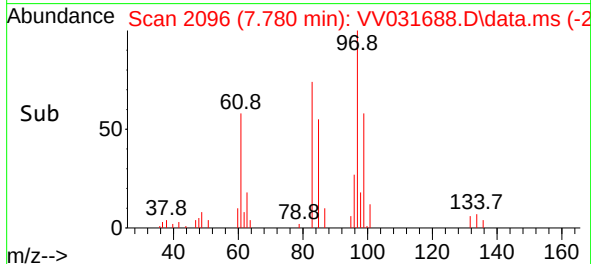
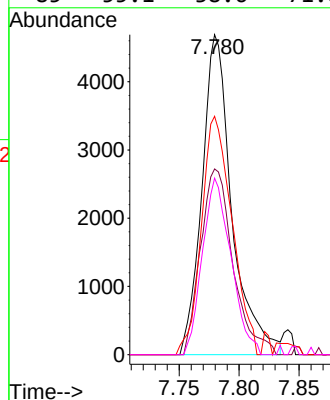
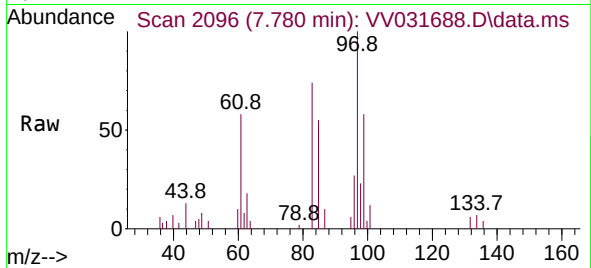
85 55.1 38.6 71.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#46

Tetrachloroethene

Concen: 2.543 ug/L

RT: 7.918 min Scan# 2139

Delta R.T. 0.006 min

Lab File: VV031688.D

Acq: 12 Jul 2023 12:13

Tgt Ion:164 Resp: 5439

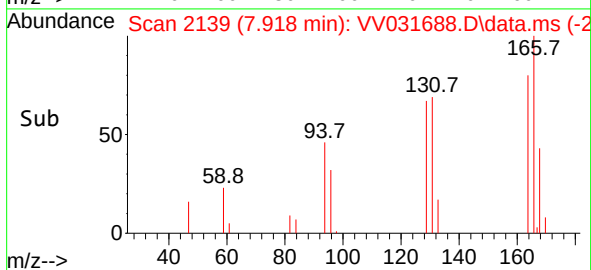
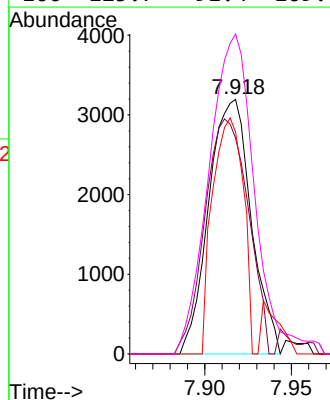
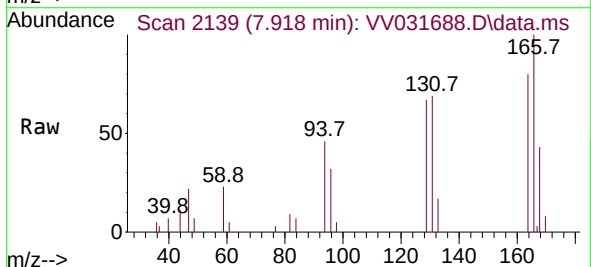
Ion Ratio Lower Upper

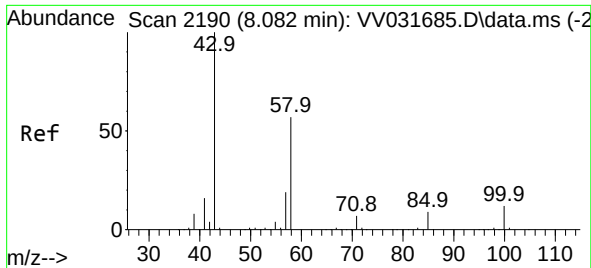
164 100

129 84.8 65.2 121.0

131 87.2 67.1 124.7

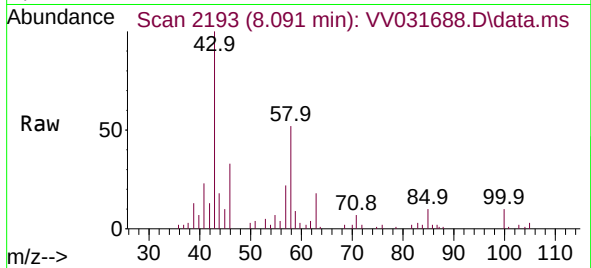
166 125.7 91.4 169.8





#48
2-Hexanone
Concen: 5.799 ug/L
RT: 8.091 min Scan# 2190
Delta R.T. 0.010 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

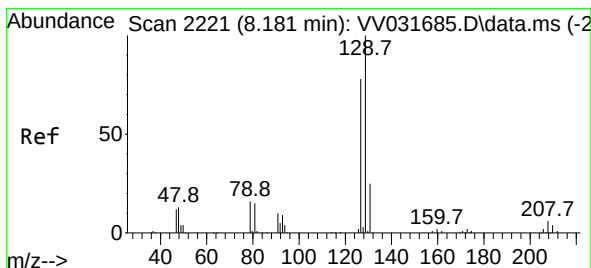
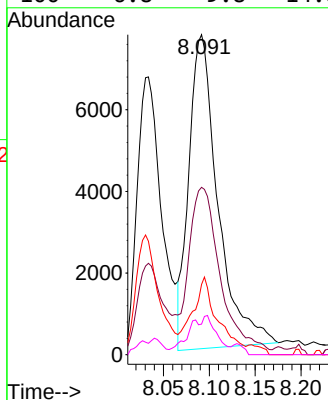
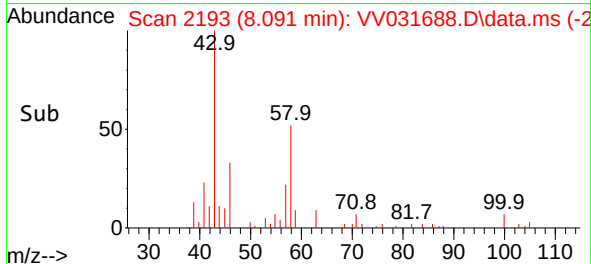
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion: 43 Resp: 1694
Ion Ratio Lower Upper
43 100
58 48.0 46.3 69.5
57 22.2 16.8 25.2
100 6.8 9.8 14.8#

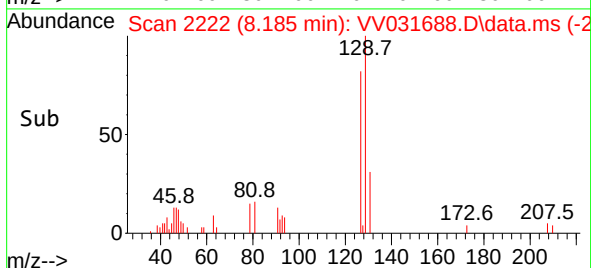
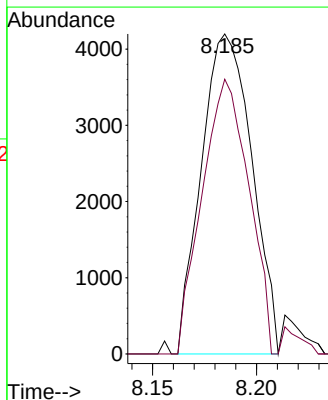
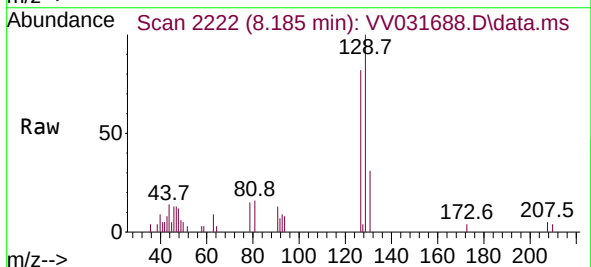
Manual Integrations
APPROVED

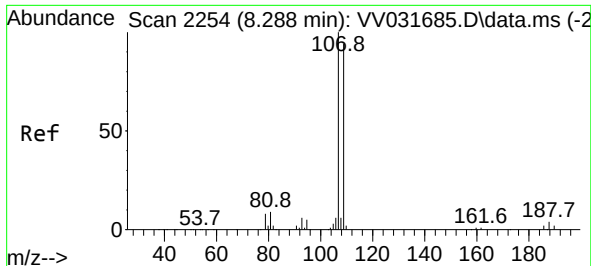
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#49
Dibromochloromethane
Concen: 2.314 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.003 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

Tgt Ion:129 Resp: 7113
Ion Ratio Lower Upper
129 100
127 85.8 55.2 102.6





#50

1,2-Dibromoethane

Concen: 2.671 ug/L

RT: 8.294 min Scan# 2140

Delta R.T. 0.006 min

Lab File: VV031688.D

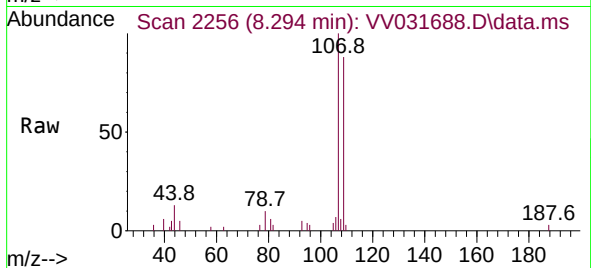
Acq: 12 Jul 2023 12:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2023-06



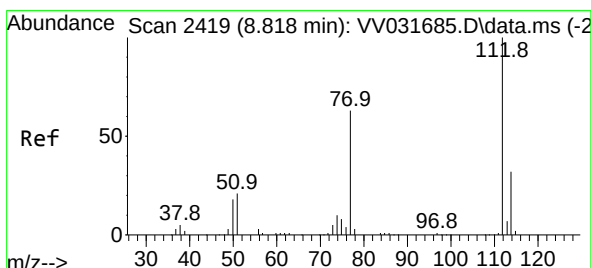
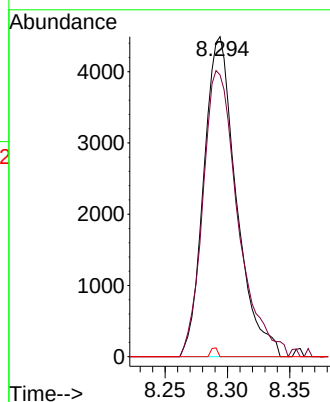
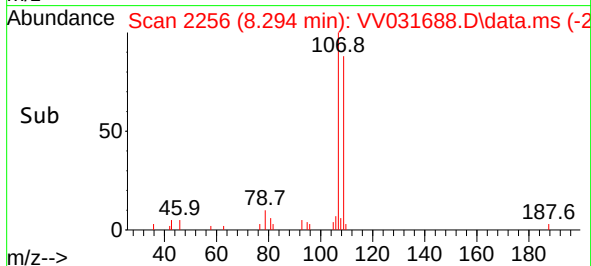
Tgt Ion:	107	Resp:	8140
Ion Ratio	Lower	Upper	
107	100		
109	85.7	65.4	121.4
188	0.0	2.8	4.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#51

Chlorobenzene

Concen: 2.555 ug/L

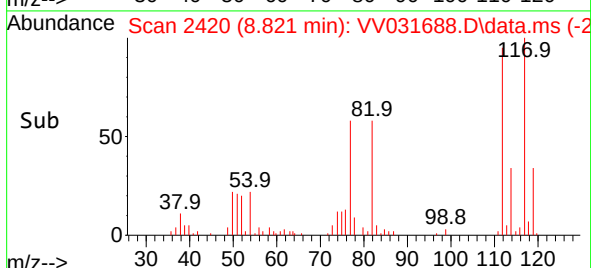
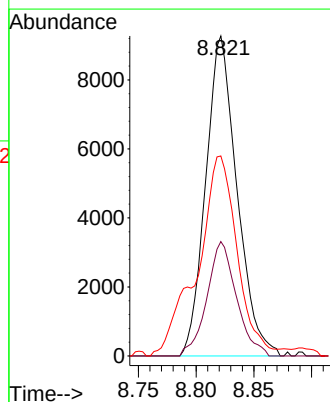
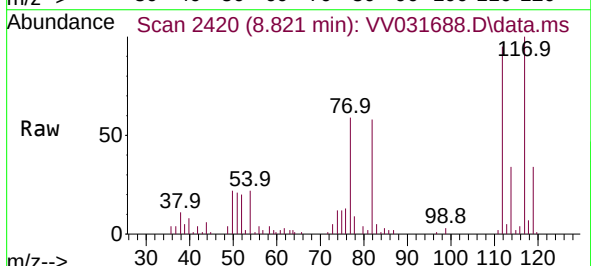
RT: 8.821 min Scan# 2420

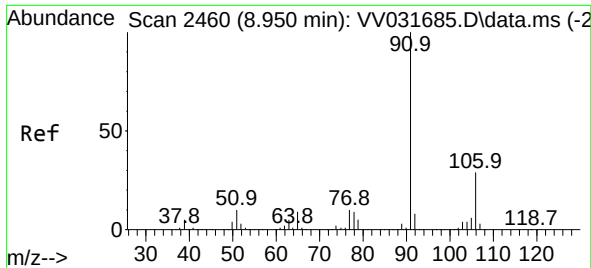
Delta R.T. 0.003 min

Lab File: VV031688.D

Acq: 12 Jul 2023 12:13

Tgt Ion:	112	Resp:	17488
Ion Ratio	Lower	Upper	
112	100		
114	35.8	22.2	41.2
77	62.5	50.6	76.0





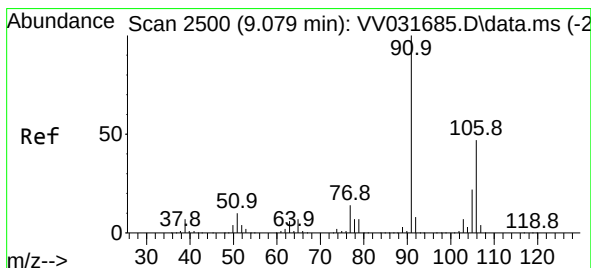
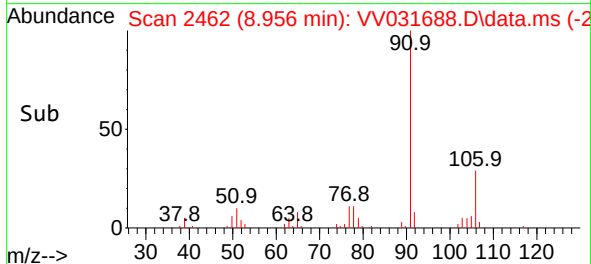
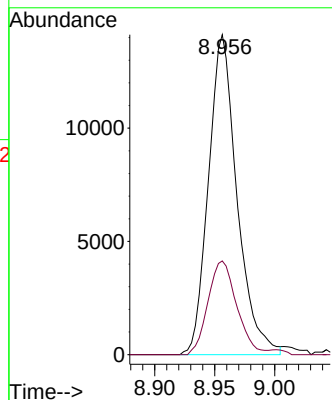
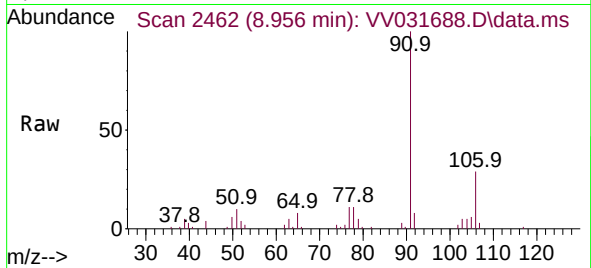
#52
Ethylbenzene
Concen: 2.084 ug/L
RT: 8.956 min Scan# 2460
Delta R.T. 0.006 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-06

Tgt Ion: 91 Resp: 23410
Ion Ratio Lower Upper
91 100
106 29.3 21.5 39.9

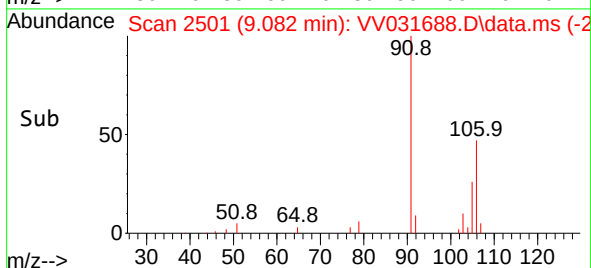
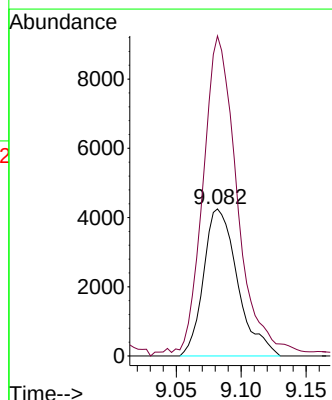
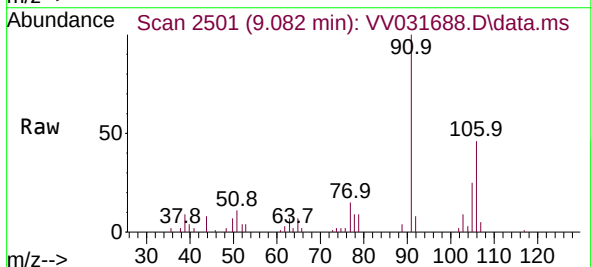
Manual Integrations
APPROVED

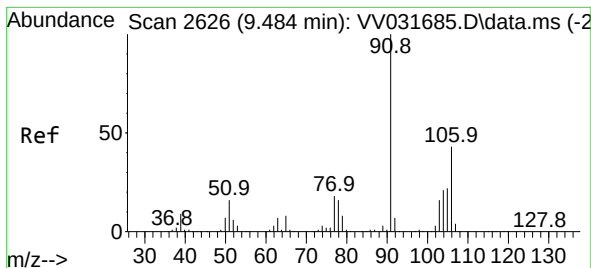
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#53
m,p-Xylene
Concen: 1.867 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

Tgt Ion:106 Resp: 7734
Ion Ratio Lower Upper
106 100
91 217.7 145.6 270.4





#54

o-Xylene

Concen: 1.918 ug/L

RT: 9.487 min Scan# 2626

Delta R.T. 0.003 min

Lab File: VV031688.D

Acq: 12 Jul 2023 12:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2023-06

Tgt Ion:106 Resp: 7358

Ion Ratio Lower Upper

106 100

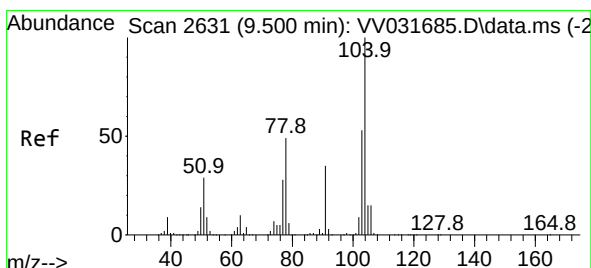
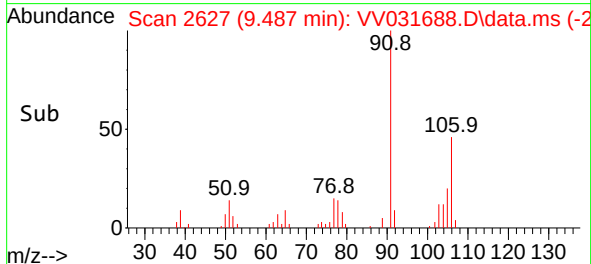
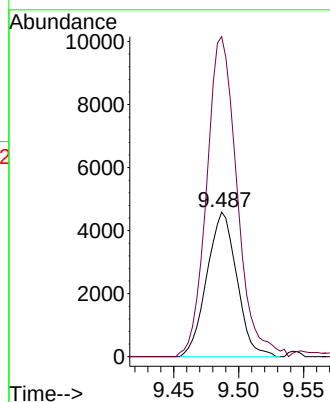
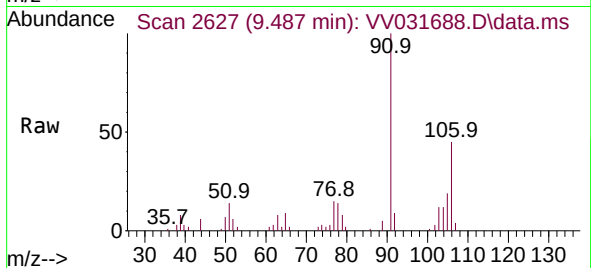
91 221.4 163.0 302.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#55

Styrene

Concen: 1.728 ug/L

RT: 9.506 min Scan# 2633

Delta R.T. 0.006 min

Lab File: VV031688.D

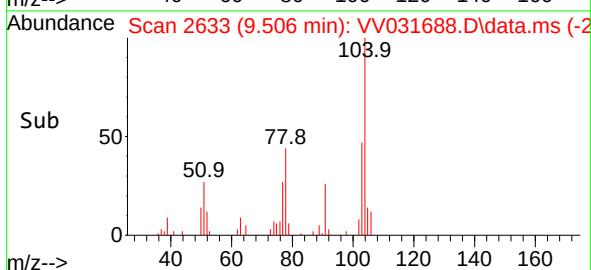
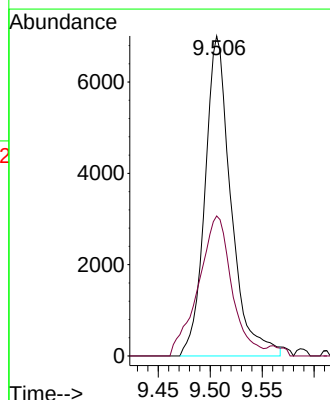
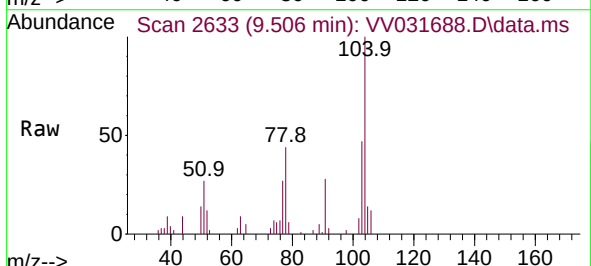
Acq: 12 Jul 2023 12:13

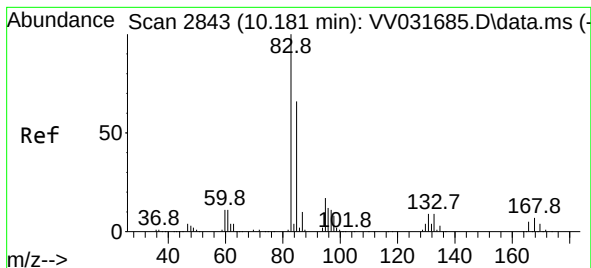
Tgt Ion:104 Resp: 12206

Ion Ratio Lower Upper

104 100

78 43.8 34.4 64.0





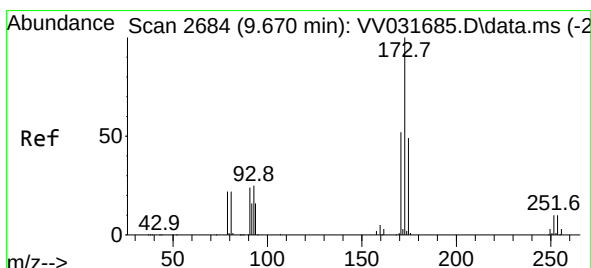
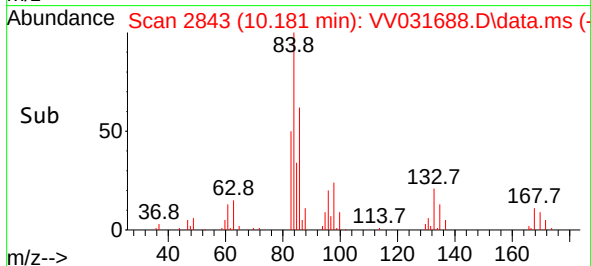
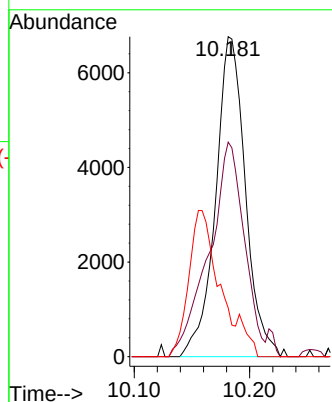
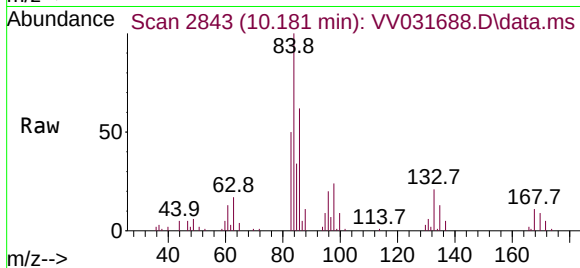
#57
1,1,2,2-Tetrachloroethane
Concen: 2.817 ug/L
RT: 10.181 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

Instrument : MSVOA_V
Client Sample Id : MDL-WATER-QT3-2023-06

Tgt Ion: 83 Resp: 1210
Ion Ratio Lower Upper
83 100
85 67.1 43.4 80.6
131 15.3 10.9 16.3

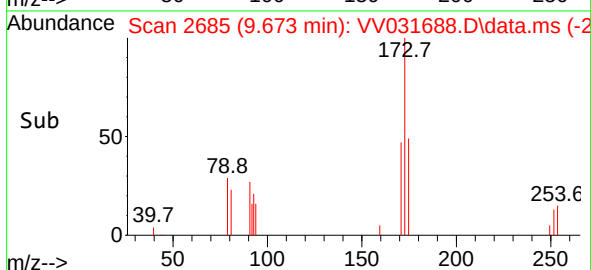
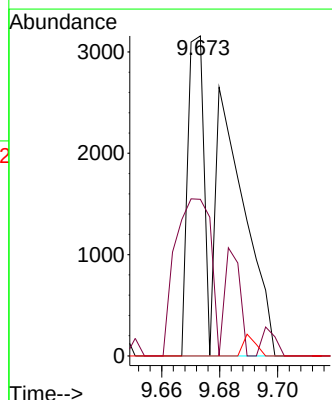
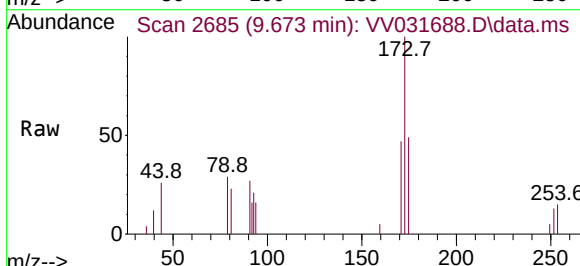
Manual Integrations
APPROVED

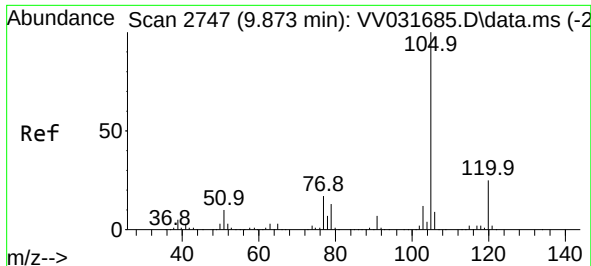
Reviewed By : John Carlone 07/13/2023
Supervised By : Mahesh Dadoda 07/13/2023



#59
Bromoform
Concen: 1.768 ug/L m
RT: 9.673 min Scan# 2685
Delta R.T. 0.003 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

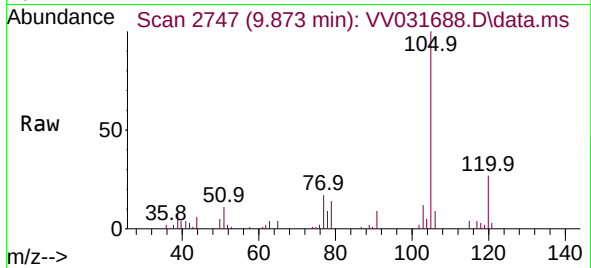
Tgt Ion: 173 Resp: 3047
Ion Ratio Lower Upper
173 100
175 43.3 38.6 58.0
254 0.0 6.9 10.3





#60
Isopropylbenzene
Concen: 2.353 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

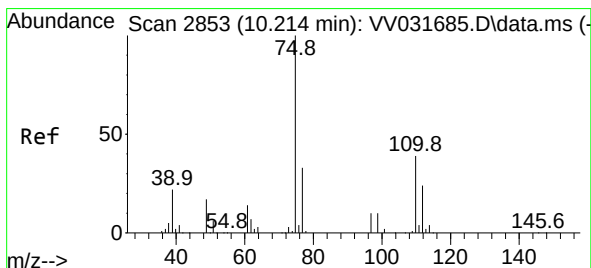
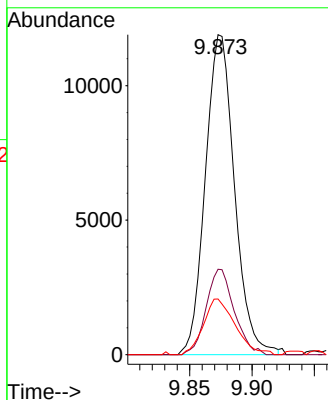
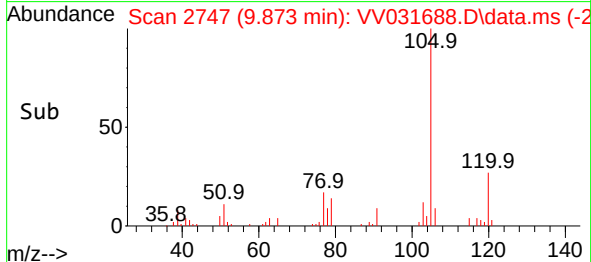
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-06



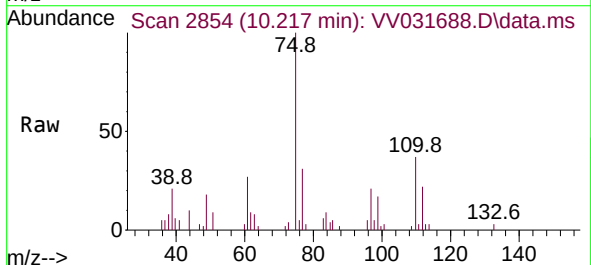
Tgt Ion:105 Resp: 19372
Ion Ratio Lower Upper
105 100
120 25.6 20.6 30.8
77 18.7 13.2 19.8

Manual Integrations
APPROVED

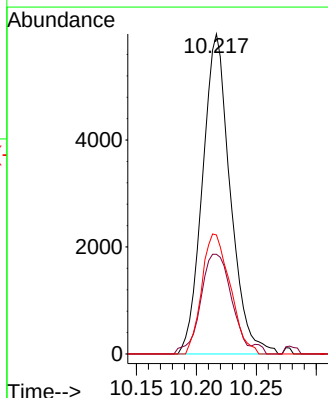
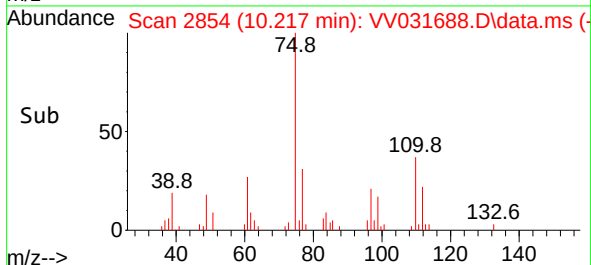
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

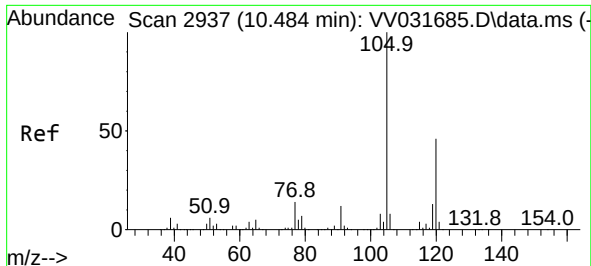


#61
1,2,3-Trichloropropane
Concen: 3.431 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.003 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13



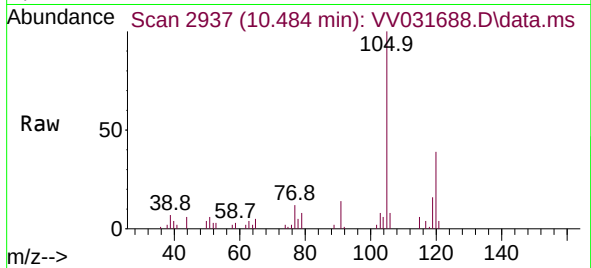
Tgt Ion: 75 Resp: 9621
Ion Ratio Lower Upper
75 100
77 34.5 25.1 37.7
110 38.3 31.4 47.0





#62
1,3,5-Trimethylbenzene
Concen: 2.265 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

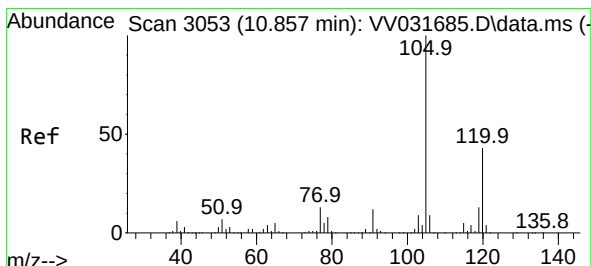
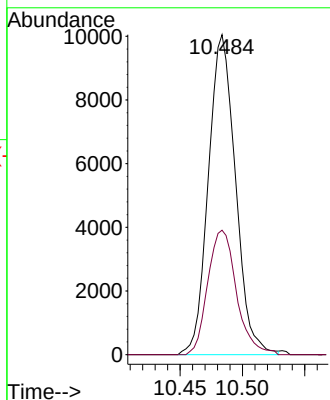
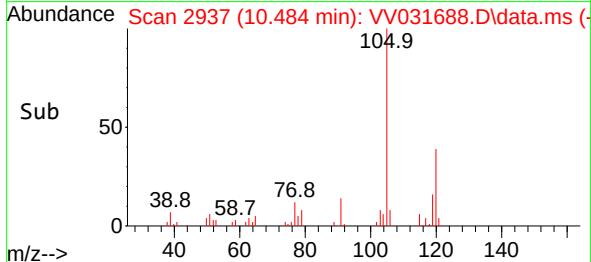
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion:105 Resp: 15240
Ion Ratio Lower Upper
105 100
120 41.0 37.4 56.0

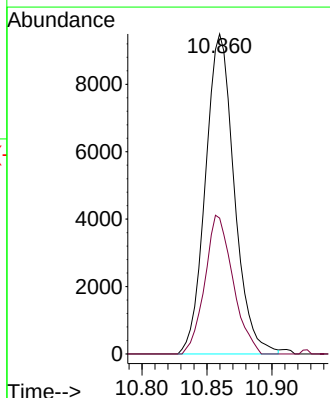
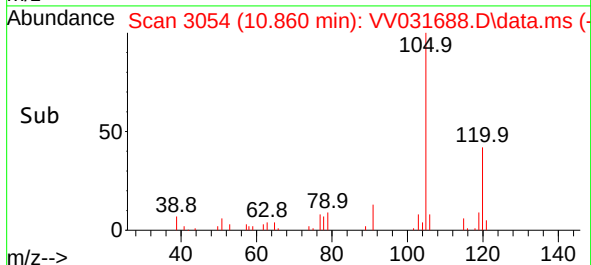
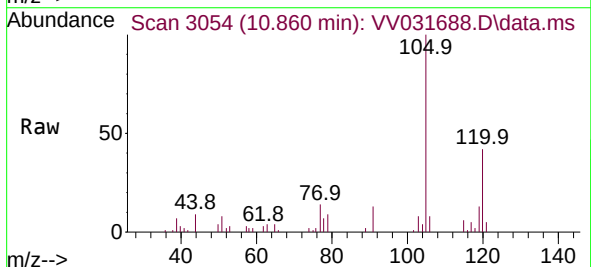
Manual Integrations
APPROVED

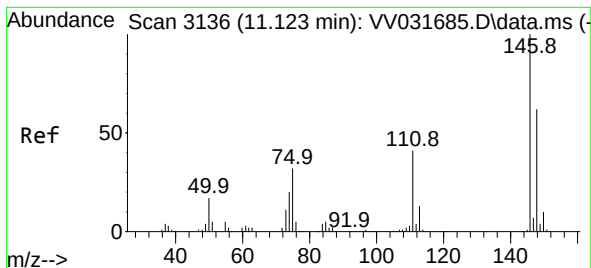
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#63
1,2,4-Trimethylbenzene
Concen: 2.185 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. 0.003 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

Tgt Ion:105 Resp: 14642
Ion Ratio Lower Upper
105 100
120 42.0 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 2.591 ug/L

RT: 11.127 min Scan# 3112

Delta R.T. 0.003 min

Lab File: VV031688.D

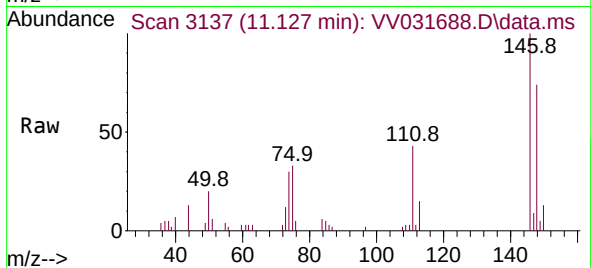
Acq: 12 Jul 2023 12:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2023-06



Tgt Ion:146 Resp: 11080

Ion Ratio Lower Upper

146 100

111 45.5 28.3 52.5

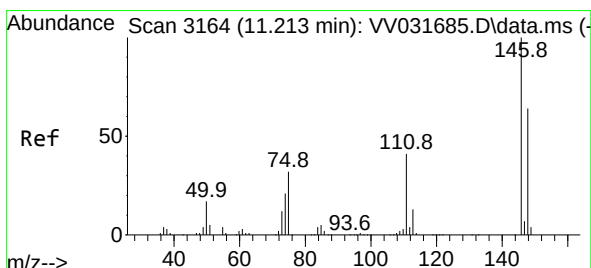
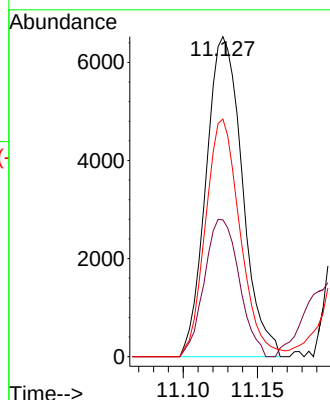
148 74.3 44.2 82.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#65

1,4-Dichlorobenzene

Concen: 2.608 ug/L

RT: 11.213 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VV031688.D

Acq: 12 Jul 2023 12:13

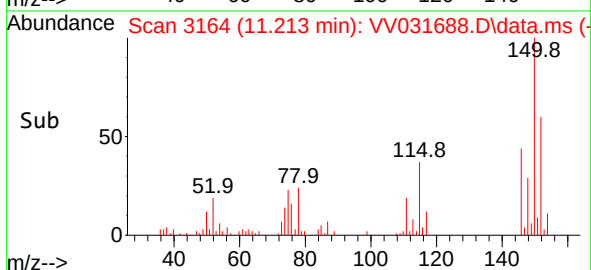
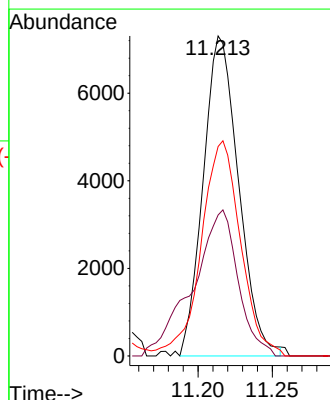
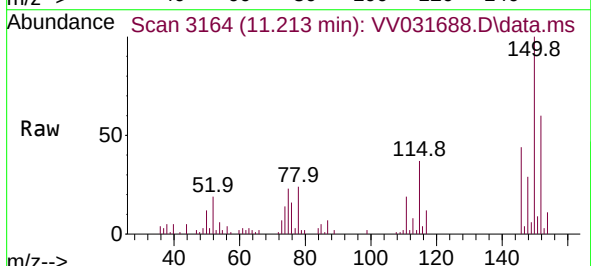
Tgt Ion:146 Resp: 12096

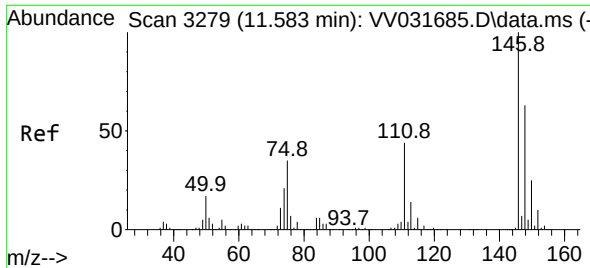
Ion Ratio Lower Upper

146 100

111 44.1 28.3 52.7

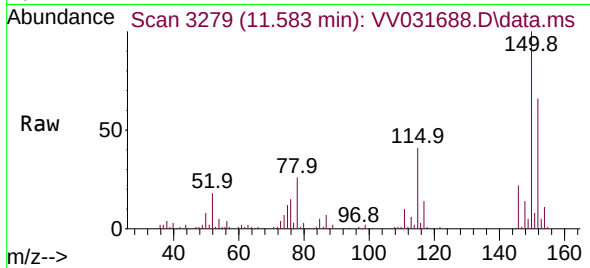
148 65.4 44.1 81.9





#67
1,2-Dichlorobenzene
Concen: 3.216 ug/L
RT: 11.583 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

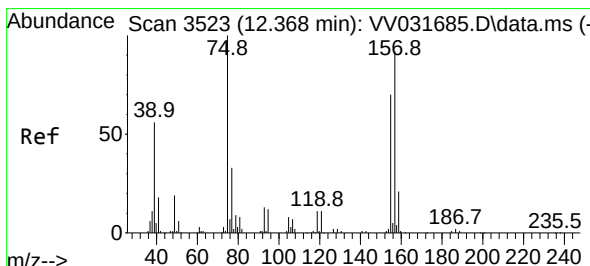
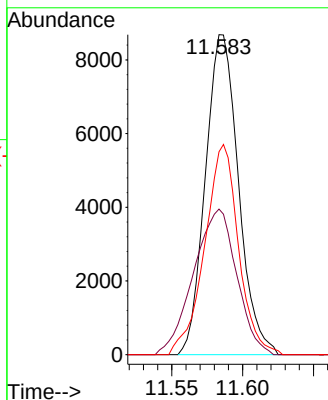
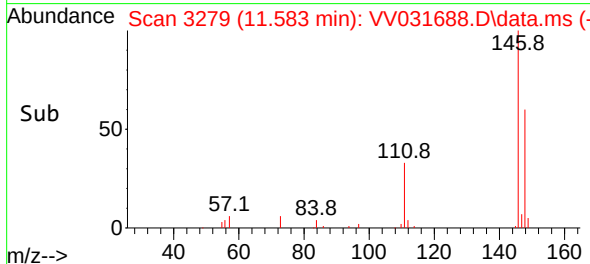
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-06



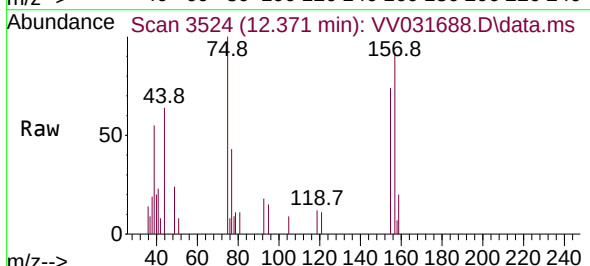
Tgt Ion:146 Resp: 1410
Ion Ratio Lower Upper
146 100
111 45.5 34.8 52.2
148 63.4 49.8 74.6

Manual Integrations
APPROVED

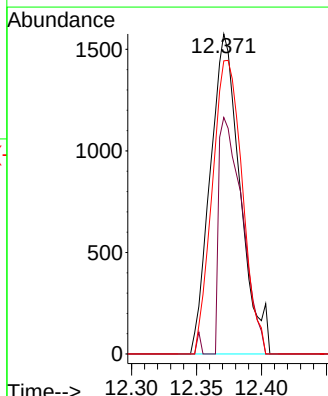
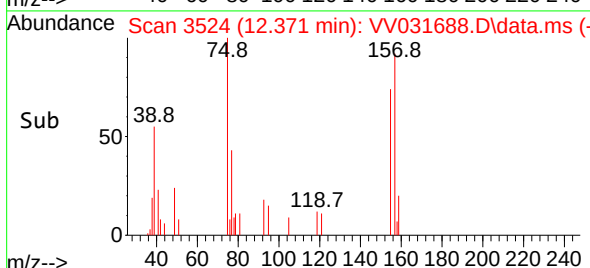
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

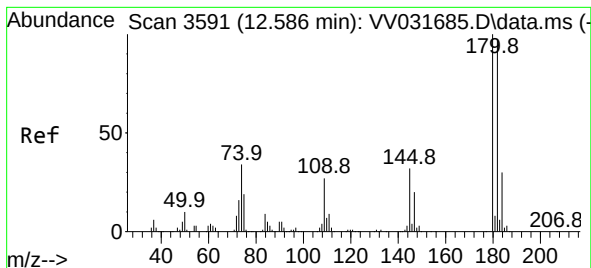


#68
1,2-Dibromo-3-chloropropane
Concen: 2.938 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. 0.003 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13



Tgt Ion: 75 Resp: 2514
Ion Ratio Lower Upper
75 100
155 73.9 59.9 89.9
157 91.6 77.6 116.4





#69

1,3,5-Trichlorobenzene

Concen: 2.765 ug/L

RT: 12.590 min Scan# 3591

Delta R.T. 0.003 min

Lab File: VV031688.D

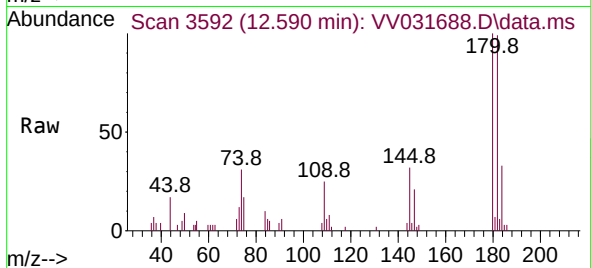
Acq: 12 Jul 2023 12:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2023-06



Tgt Ion:180 Resp: 885

Ion Ratio Lower Upper

180 100

182 95.6 75.5 113.3

184 31.4 23.7 35.5

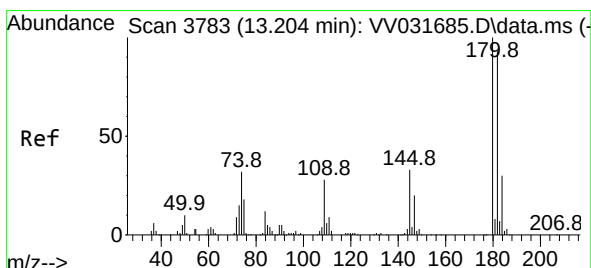
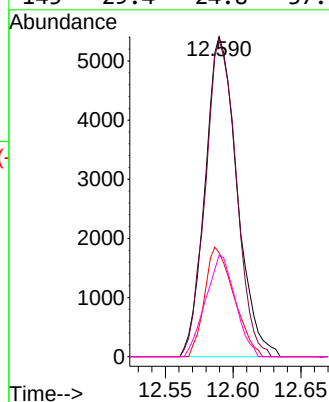
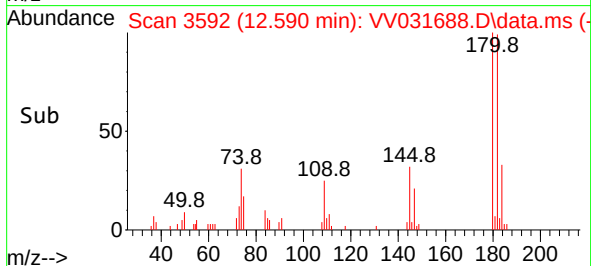
145 29.4 24.8 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#70

1,2,4-trichlorobenzene

Concen: 2.536 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.003 min

Lab File: VV031688.D

Acq: 12 Jul 2023 12:13

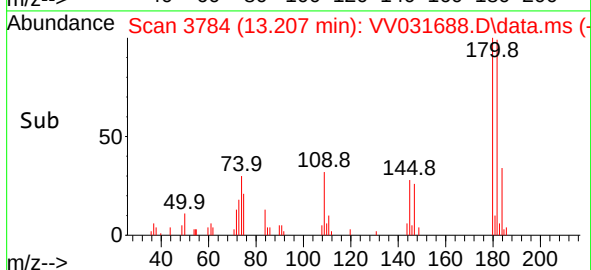
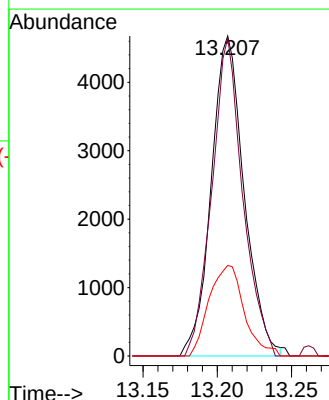
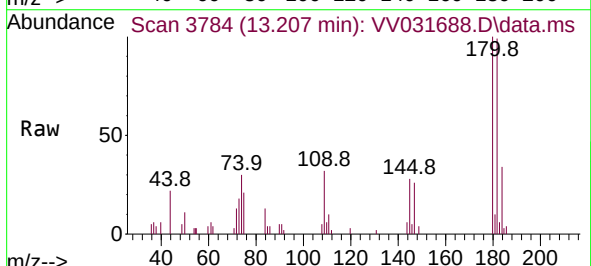
Tgt Ion:180 Resp: 7200

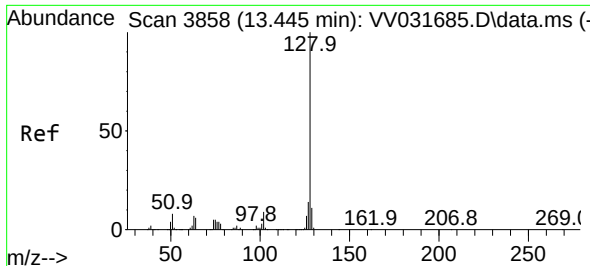
Ion Ratio Lower Upper

180 100

182 93.1 76.6 114.8

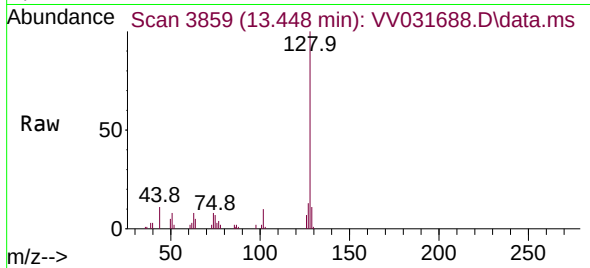
145 29.8 25.4 38.2





#71
Naphthalene
Concen: 2.114 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.003 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

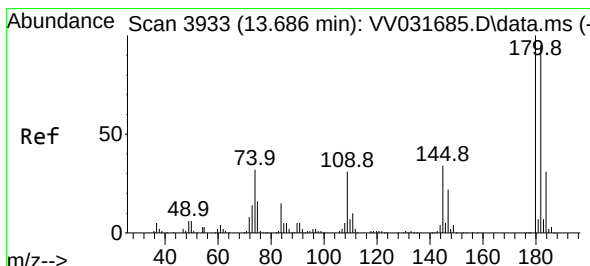
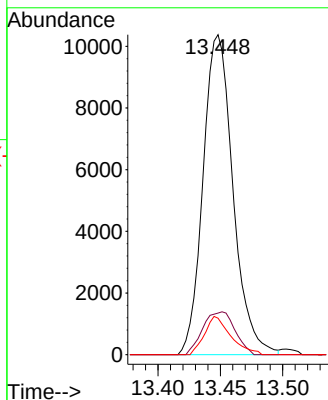
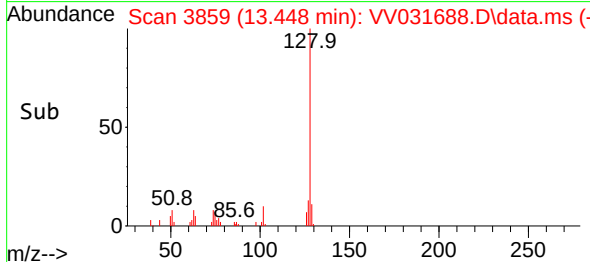
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.4	11.0	16.4
129	10.4	8.6	13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#72
1,2,3-Trichlorobenzene
Concen: 2.328 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. 0.000 min
Lab File: VV031688.D
Acq: 12 Jul 2023 12:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.9	76.7	115.1
145	39.9	27.7	41.5

