

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030122\
 Data File : VW024844.D
 Acq On : 01 Mar 2022 13:22
 Operator : SY/MD
 Sample : N1331-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT1-2022-02

Quant Time: Mar 02 02:42:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022822WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 02 01:20:37 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/02/2022
 Supervised By : Mahesh Dadoda 03/02/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	247572	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	241637	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	111031	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	121675	48.335	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	96.660%		
7) Chloroethane-d5	1.568	69	102037	51.664	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	103.320%		
11) 1,1-Dichloroethene-d2	2.108	63	166292	39.357	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	78.720%		
21) 2-Butanone-d5	3.889	46	165851	115.768	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	115.770%		
24) Chloroform-d	4.349	84	229479	52.221	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.440%		
26) 1,2-Dichloroethane-d4	5.031	65	141856	54.712	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	109.420%		
32) Benzene-d6	5.050	84	483205	53.951	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	107.900%		
36) 1,2-Dichloropropane-d6	6.069	67	154651	55.421	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	110.840%		
41) Toluene-d8	7.314	98	418668	52.765	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.520%		
43) trans-1,3-Dichloroprop...	7.619	79	62285	51.369	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	102.740%		
47) 2-Hexanone-d5	8.088	63	117339	110.782	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	110.780%		
56) 1,1,2,2-Tetrachloroeth...	10.214	84	187067	56.520	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	113.040%		
66) 1,2-Dichlorobenzene-d4	11.622	152	145288	56.806	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	113.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.131	85	4868	2.083	ug/L	99
3) Chloromethane	1.243	50	6208	2.567	ug/L	99
5) Vinyl chloride	1.314	62	5396	2.175	ug/L #	59
6) Bromomethane	1.526	94	3973	2.681	ug/L	98
8) Chloroethane	1.587	64	3459	2.379	ug/L	92
9) Trichlorofluoromethane	1.754	101	6641	2.093	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	5091	2.706	ug/L #	80
12) 1,1-Dichloroethene	2.118	96	4767	2.601	ug/L #	1
13) Acetone	2.192	43	4113	3.760	ug/L	96
14) Carbon disulfide	2.298	76	11625	2.077	ug/L	97
15) Methyl Acetate	2.446	43	4352	2.316	ug/L	94
16) Methylene chloride	2.510	84	4865	2.267	ug/L	96
17) trans-1,2-Dichloroethene	2.767	96	4266	2.153	ug/L	98
18) Methyl tert-butyl Ether	2.770	73	13139	2.174	ug/L	97
19) 1,1-Dichloroethane	3.195	63	7626	2.134	ug/L	96
20) cis-1,2-Dichloroethene	3.915	96	4599	2.144	ug/L	100
22) 2-Butanone	4.015	43	6550m	5.222	ug/L	
23) Bromochloromethane	4.259	128	2246	2.093	ug/L	96
25) Chloroform	4.378	83	10194	2.746	ug/L	96

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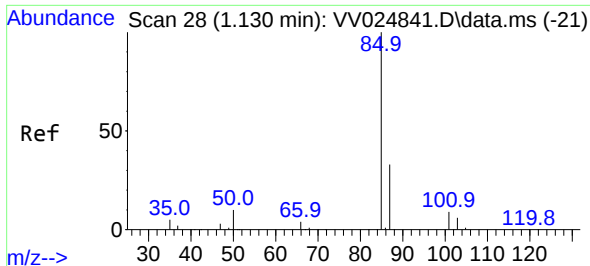
Quant Time: Mar 02 02:42:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022822WMA.M
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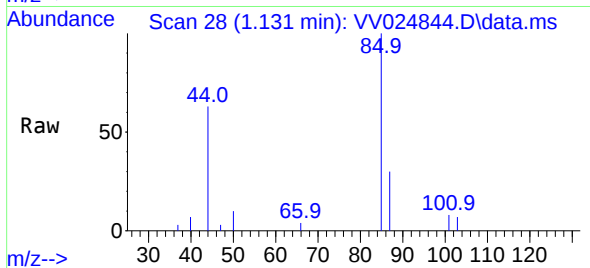
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.146	62	5598	2.161	ug/L	96
29) Cyclohexane	4.677	56	6586	2.084	ug/L	95
30) 1,1,1-Trichloroethane	4.613	97	6626	2.082	ug/L	99
31) Carbon tetrachloride	4.831	117	5103	1.886	ug/L	91
33) Benzene	5.105	78	16868	2.068	ug/L	100
34) Trichloroethene	5.918	95	4797	2.146	ug/L	97
35) Methylcyclohexane	6.130	83	6672	1.967	ug/L	98
37) 1,2-Dichloropropane	6.179	63	4516	2.207	ug/L #	94
38) Bromodichloromethane	6.513	83	5304	1.978	ug/L	97
39) cis-1,3-Dichloropropene	7.034	75	6308	2.048	ug/L	100
40) 4-Methyl-2-pentanone	7.233	43	9409	3.857	ug/L	96
42) Toluene	7.394	91	23343	2.743	ug/L	99
44) trans-1,3-Dichloropropene	7.658	75	5961	2.107	ug/L	98
45) 1,1,2-Trichloroethane	7.844	97	4229	2.127	ug/L	93
46) Tetrachloroethene	7.979	164	2878	1.993	ug/L	88
48) 2-Hexanone	8.146	43	19851	10.338	ug/L #	90
49) Dibromochloromethane	8.246	129	3711	1.931	ug/L	96
50) 1,2-Dibromoethane	8.359	107	4150	2.024	ug/L #	94
51) Chlorobenzene	8.883	112	11130	2.073	ug/L	96
52) Ethylbenzene	9.014	91	17559	1.956	ug/L	95
53) m,p-Xylene	9.143	106	6739	1.954	ug/L	99
54) o-Xylene	9.545	106	6476	1.943	ug/L	90
55) Styrene	9.567	104	9990	1.767	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.239	83	6793	2.443	ug/L #	95
59) Bromoform	9.735	173	1981	1.959	ug/L #	90
60) Isopropylbenzene	9.931	105	16491	2.045	ug/L	96
61) 1,2,3-Trichloropropane	10.272	75	5113	2.301	ug/L	96
62) 1,3,5-Trimethylbenzene	10.539	105	10914	2.006	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	13662	2.049	ug/L	98
64) 1,3-Dichlorobenzene	11.185	146	7476	2.113	ug/L	98
65) 1,4-Dichlorobenzene	11.272	146	8316	2.296	ug/L	98
67) 1,2-Dichlorobenzene	11.638	146	8187	2.299	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.429	75	1045	2.060	ug/L #	82
69) 1,3,5-Trichlorobenzene	12.648	180	4925	2.062	ug/L	97
70) 1,2,4-trichlorobenzene	13.262	180	3852	1.851	ug/L	95
71) Naphthalene	13.503	128	13321	1.976	ug/L	98
72) 1,2,3-Trichlorobenzene	13.744	180	4298	2.094	ug/L	97

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



#2
 Dichlorodifluoromethane
 Concen: 2.083 ug/L
 RT: 1.131 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VV024844.D
 Acq: 01 Mar 2022 13:22

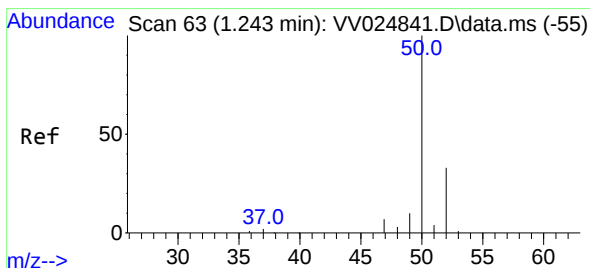
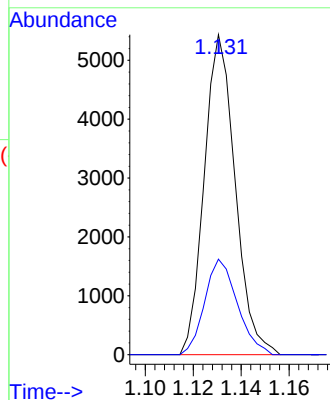
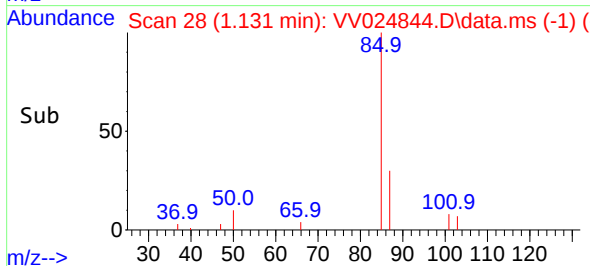
Instrument : MSVOA_V
 ClientSampleId :
 MDL-WATER-QT1-2022-02



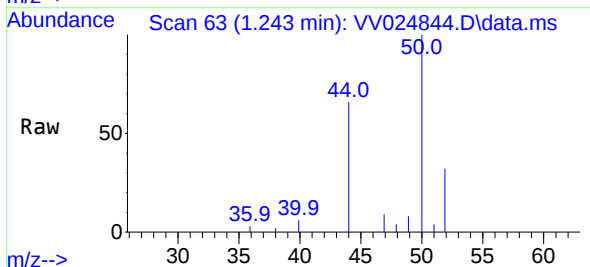
Tgt Ion: 85 Resp: 4868
 Ion Ratio Lower Upper
 85 100
 87 31.6 25.8 38.8

Manual Integrations
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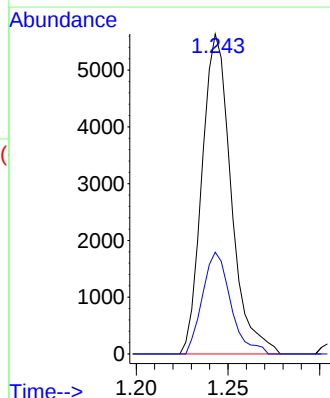
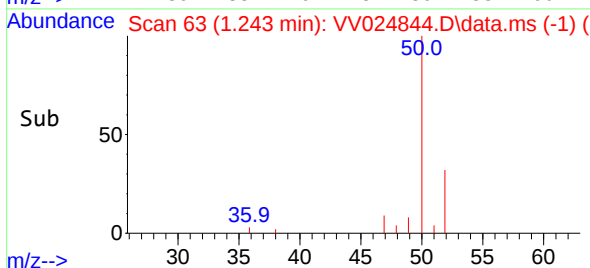
Reviewed By :John Carlone 03/02/2022
 Supervised By :Mahesh Dadoda 03/02/2022

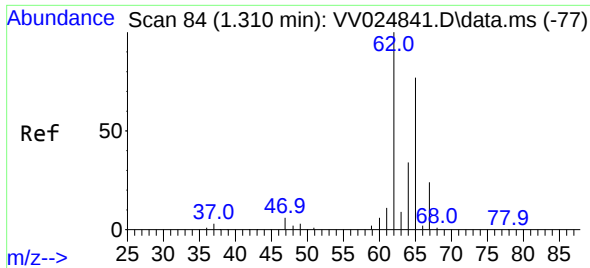


#3
 Chloromethane
 Concen: 2.567 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.000 min
 Lab File: VV024844.D
 Acq: 01 Mar 2022 13:22



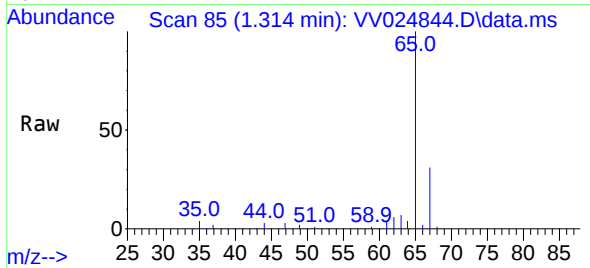
Tgt Ion: 50 Resp: 6208
 Ion Ratio Lower Upper
 50 100
 52 31.8 22.8 42.4





#5
 Vinyl chloride
 Concen: 2.175 ug/L
 RT: 1.314 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV024844.D
 Acq: 01 Mar 2022 13:22

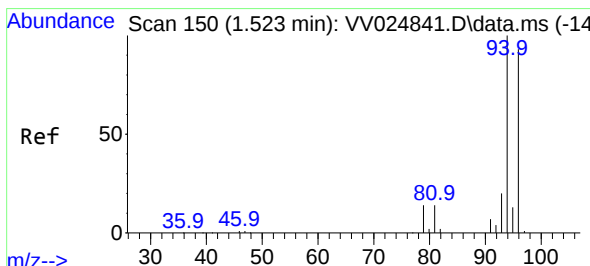
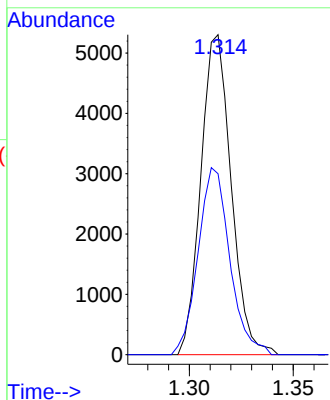
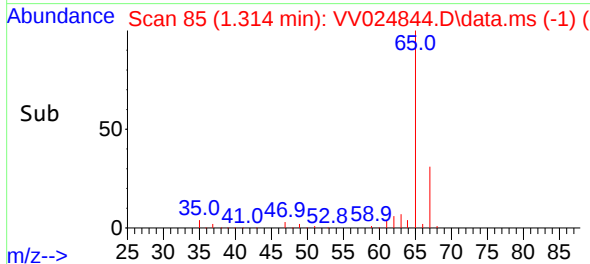
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT1-2022-02



Tgt Ion: 62 Resp: 5390
 Ion Ratio Lower Upper
 62 100
 64 56.6 23.2 43.0

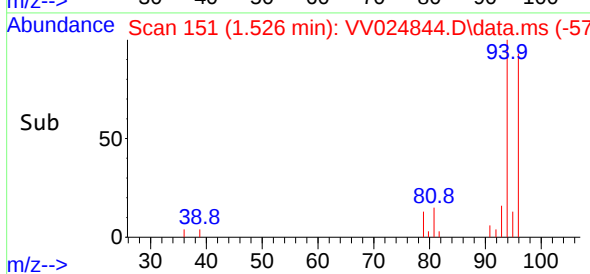
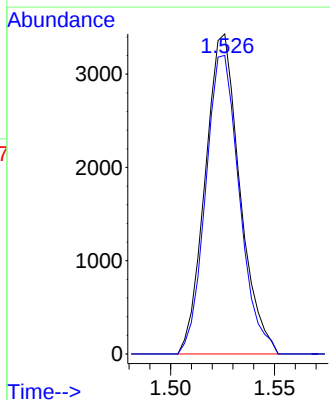
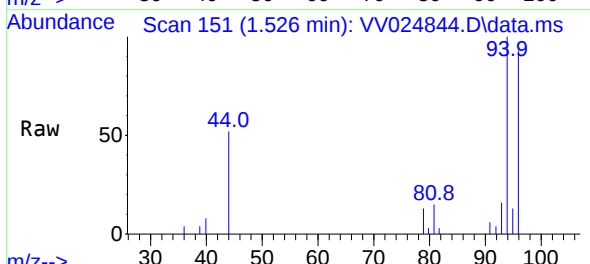
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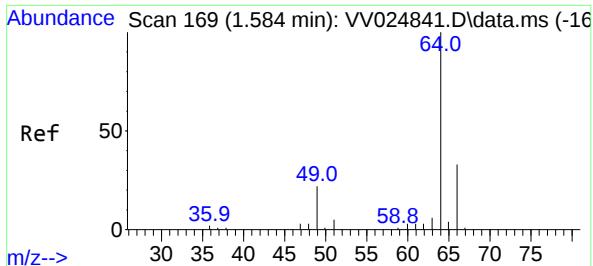
Reviewed By :John Carlone 03/02/2022
 Supervised By :Mahesh Dadoda 03/02/2022



#6
 Bromomethane
 Concen: 2.681 ug/L
 RT: 1.526 min Scan# 151
 Delta R.T. 0.003 min
 Lab File: VV024844.D
 Acq: 01 Mar 2022 13:22

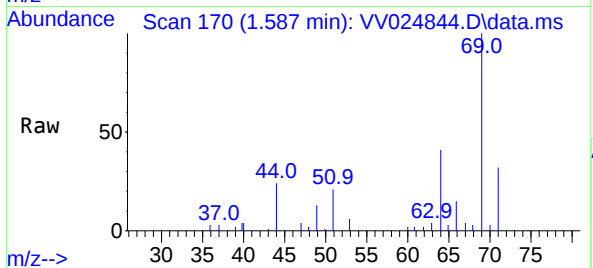
Tgt Ion: 94 Resp: 3973
 Ion Ratio Lower Upper
 94 100
 96 93.3 66.7 123.9





#8
Chloroethane
Concen: 2.379 ug/L
RT: 1.587 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

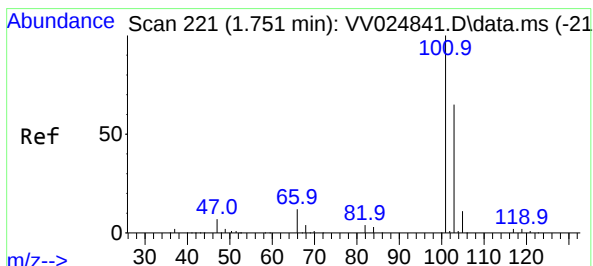
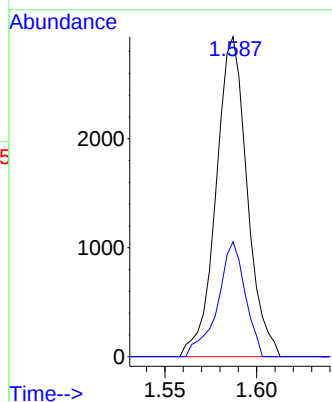
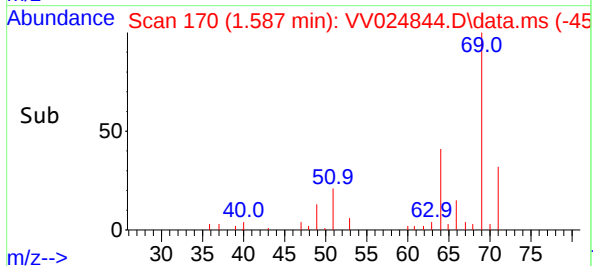
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02



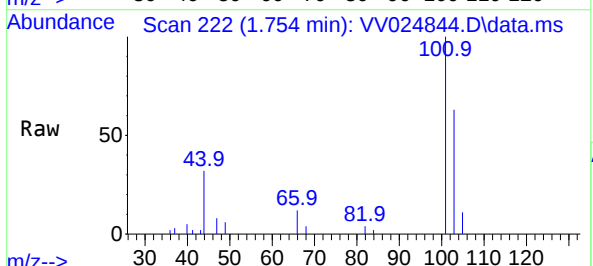
Tgt Ion: 64 Resp: 345
Ion Ratio Lower Upper
64 100
66 35.9 22.2 41.2

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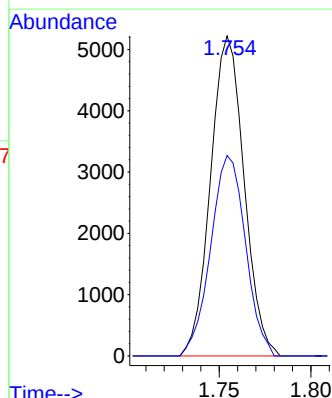
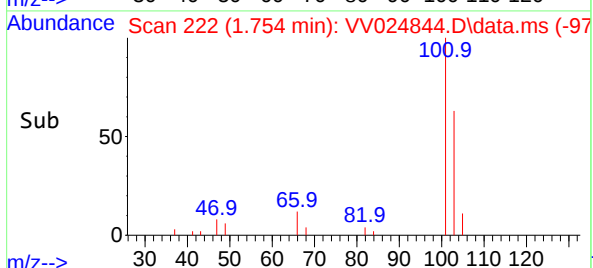
Reviewed By :John Carlone 03/02/2022
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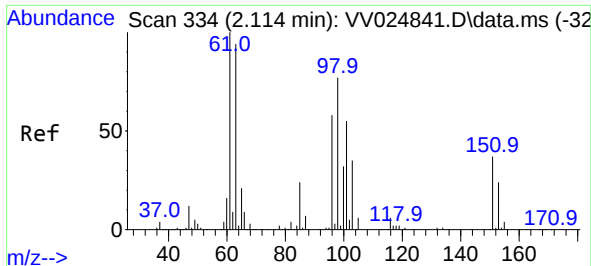


#9
Trichlorofluoromethane
Concen: 2.093 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.003 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22



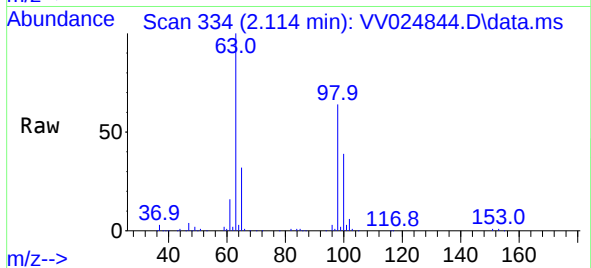
Tgt Ion:101 Resp: 6641
Ion Ratio Lower Upper
101 100
103 64.9 52.1 78.1





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.706 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.000 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

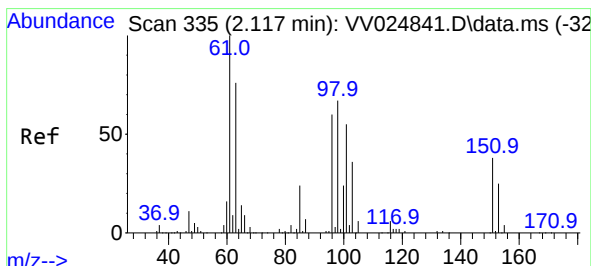
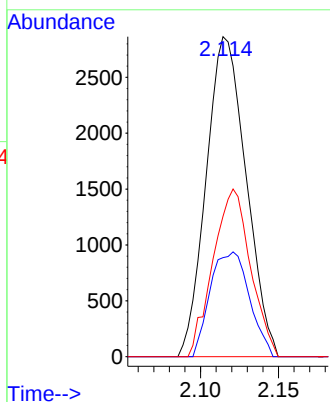
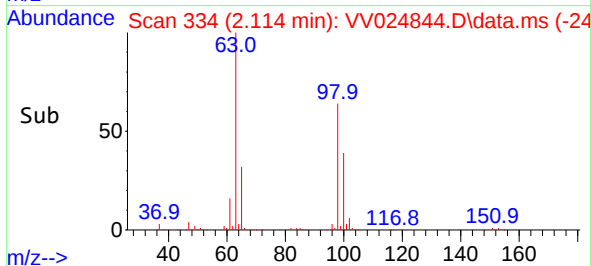
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Client Sample Id :
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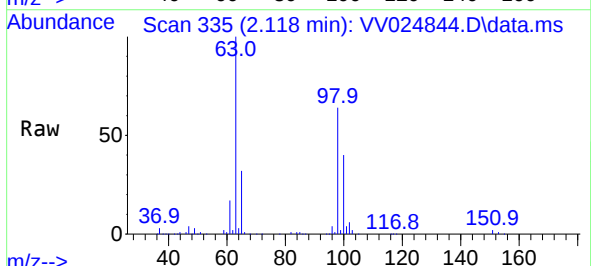
Tgt Ion: 101 Resp: 509
Ion Ratio Lower Upper
101 100
85 32.2 33.8 50.8
151 49.1 54.1 81.1

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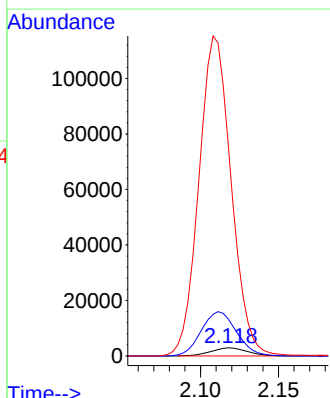
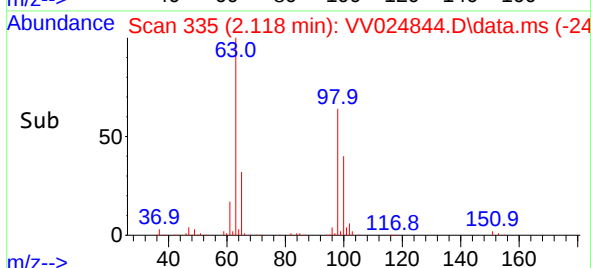
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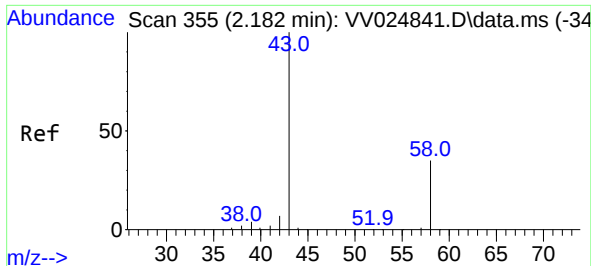


#12
1,1-Dichloroethene
Concen: 2.601 ug/L
RT: 2.118 min Scan# 335
Delta R.T. 0.000 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22



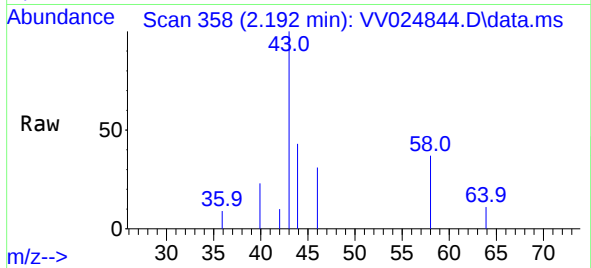
Tgt Ion: 96 Resp: 4767
Ion Ratio Lower Upper
96 100
61 454.8 117.6 218.4#
63 2607.5 105.3 195.5#





#13
Acetone
Concen: 3.760 ug/L
RT: 2.192 min Scan# 311
Delta R.T. 0.010 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

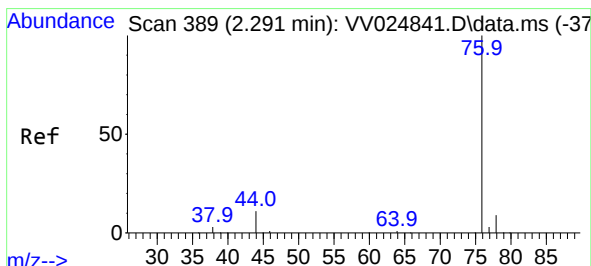
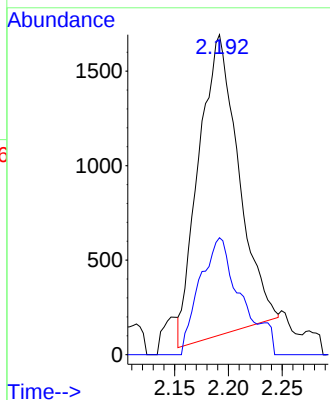
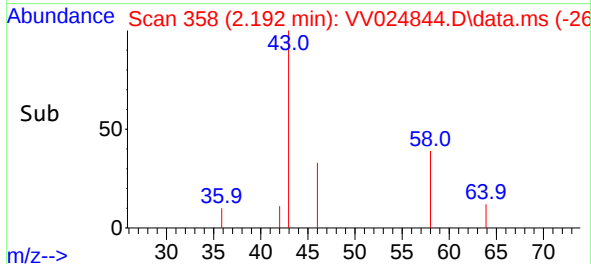
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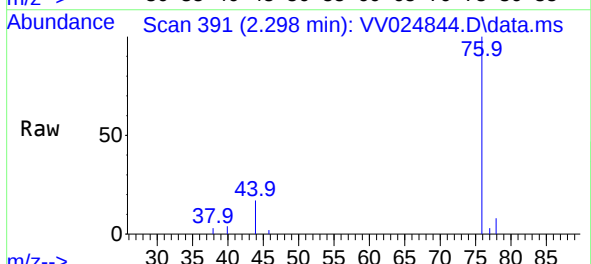
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Ion Ratio Lower Upper
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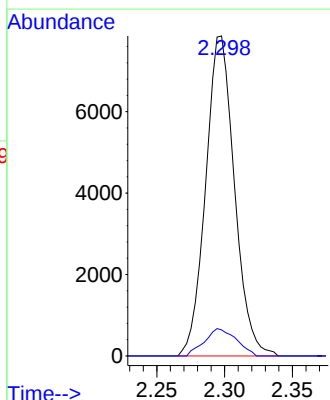
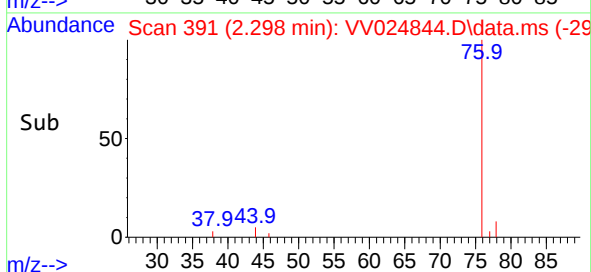
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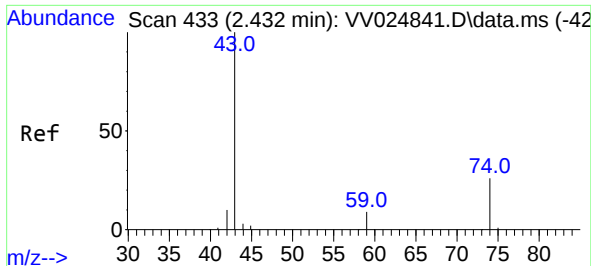


#14
Carbon disulfide
Concen: 2.077 ug/L
RT: 2.298 min Scan# 391
Delta R.T. 0.007 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22



Tgt Ion: 76 Resp: 11625
Ion Ratio Lower Upper
76 100
78 8.1 7.4 11.0





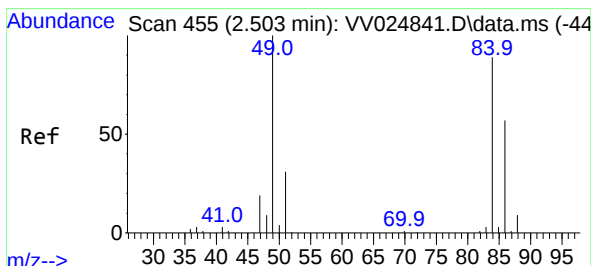
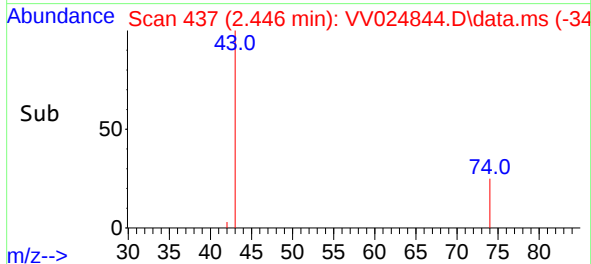
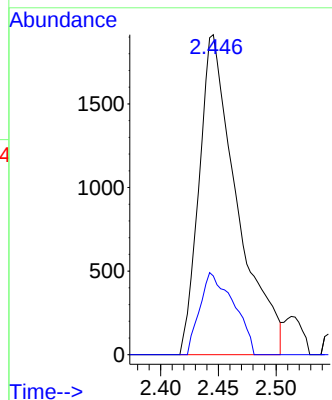
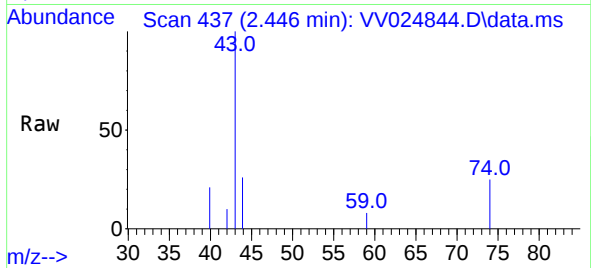
#15
Methyl Acetate
Concen: 2.316 ug/L
RT: 2.446 min Scan# 41
Delta R.T. 0.013 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02

Tgt Ion: 43 Resp: 435
Ion Ratio Lower Upper
43 100
74 23.0 21.0 31.4

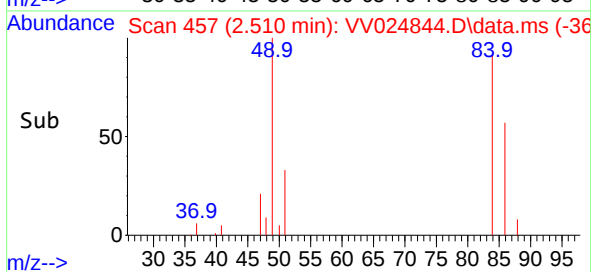
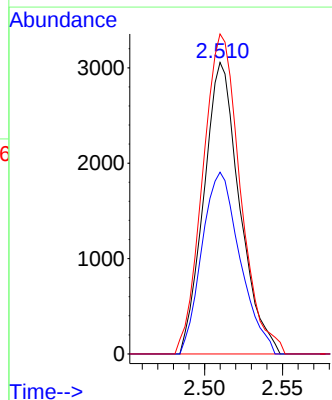
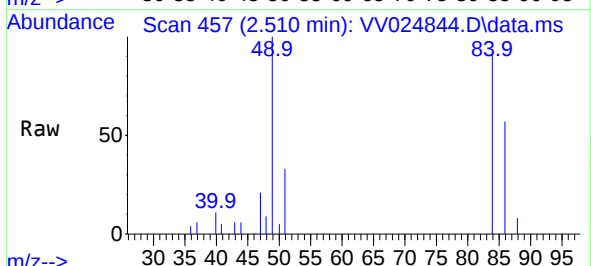
Manual Integrations
APPROVED

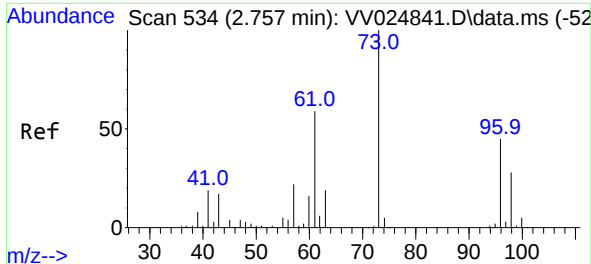
Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#16
Methylene chloride
Concen: 2.267 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.007 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

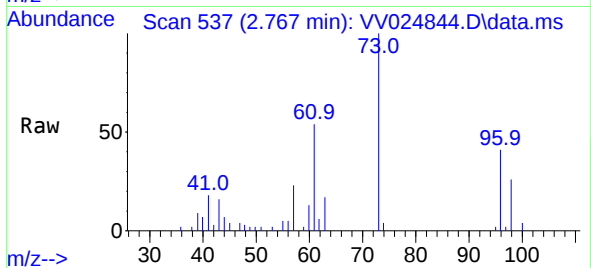
Tgt Ion: 84 Resp: 4865
Ion Ratio Lower Upper
84 100
86 62.3 44.3 82.3
49 109.8 80.7 149.9





#17
trans-1,2-Dichloroethene
Concen: 2.153 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.010 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

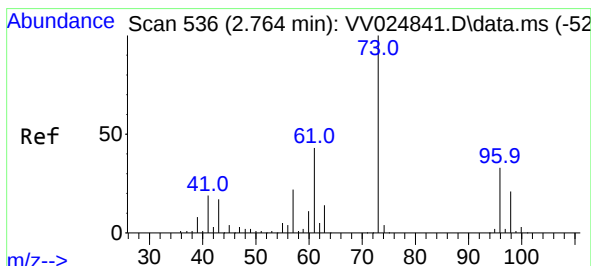
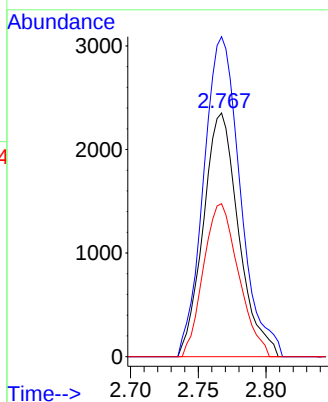
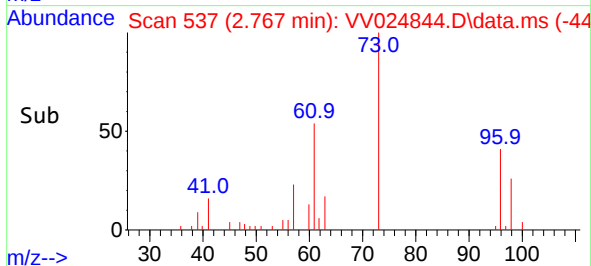
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02



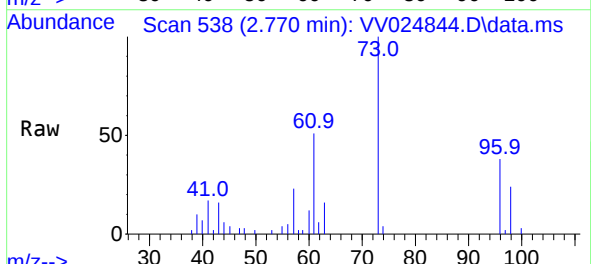
Tgt Ion: 96 Resp: 4260
Ion Ratio Lower Upper
96 100
61 131.3 93.7 173.9
98 62.8 43.7 81.1

Manual Integrations
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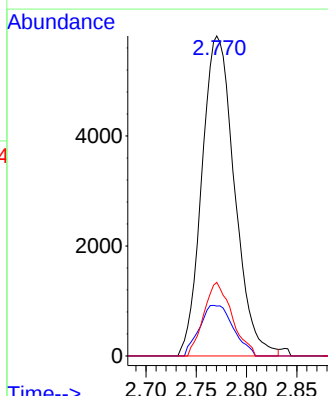
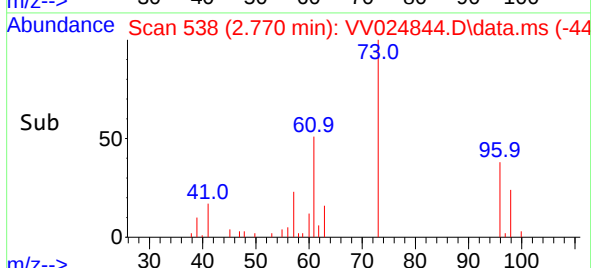
Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

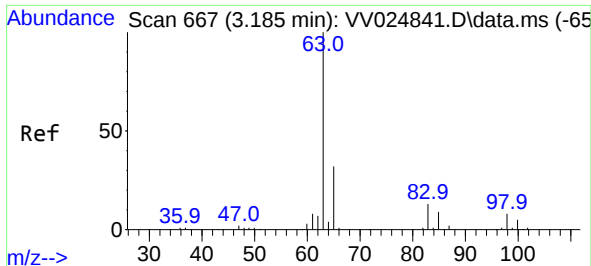


#18
Methyl tert-butyl Ether
Concen: 2.174 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.007 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22



Tgt Ion: 73 Resp: 13139
Ion Ratio Lower Upper
73 100
43 16.4 13.6 20.4
57 19.8 17.4 26.2





#19

1,1-Dichloroethane

Concen: 2.134 ug/L

RT: 3.195 min Scan# 61

Delta R.T. 0.010 min

Lab File: VV024844.D

Acq: 01 Mar 2022 13:22

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2022-02

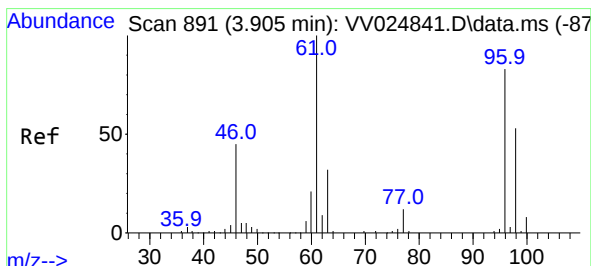
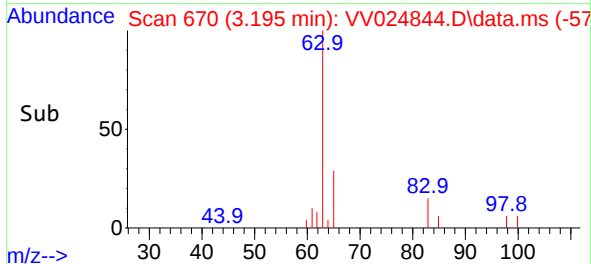
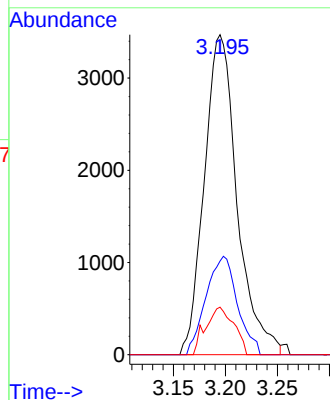
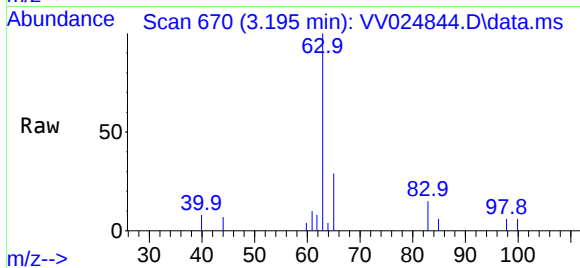
Tgt Ion: 63	Resp: 7620
Ion Ratio	Lower Upper
63 100	
65 29.2	22.0 40.8
83 14.8	9.2 17.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/02/2022

Supervised By :Mahesh Dadoda 03/02/2022



#20

cis-1,2-Dichloroethene

Concen: 2.144 ug/L

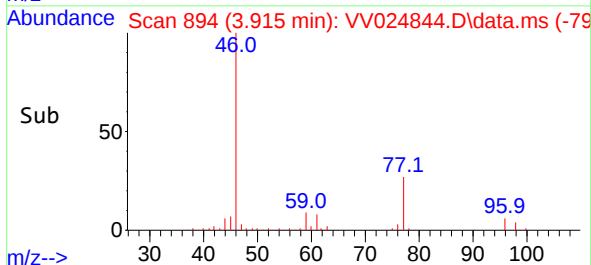
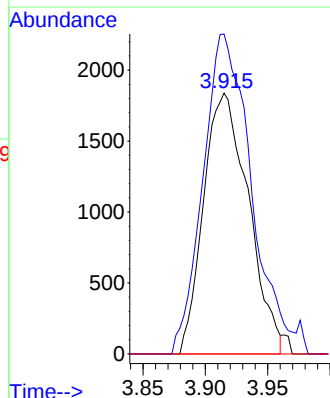
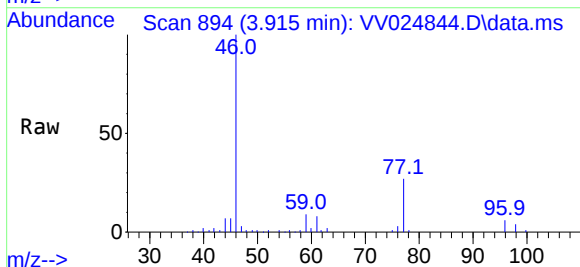
RT: 3.915 min Scan# 894

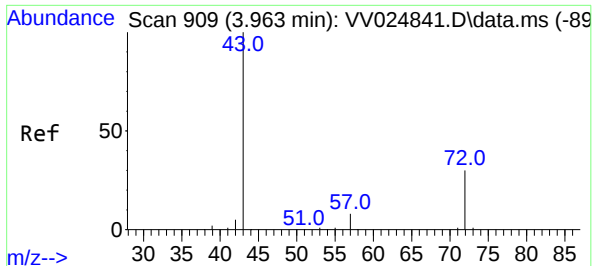
Delta R.T. 0.010 min

Lab File: VV024844.D

Acq: 01 Mar 2022 13:22

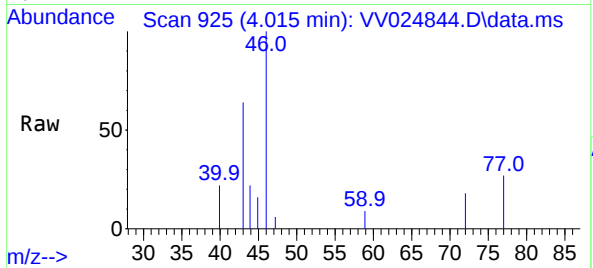
Tgt Ion: 96	Resp: 4599
Ion Ratio	Lower Upper
96 100	
61 122.7	86.1 159.9
68 0.0	0.0 0.0





#22
2-Butanone
Concen: 5.222 ug/L m
RT: 4.015 min Scan# 91
Delta R.T. 0.052 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

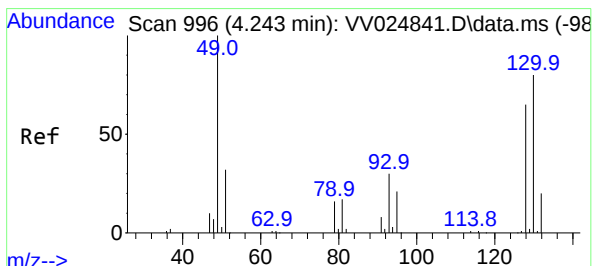
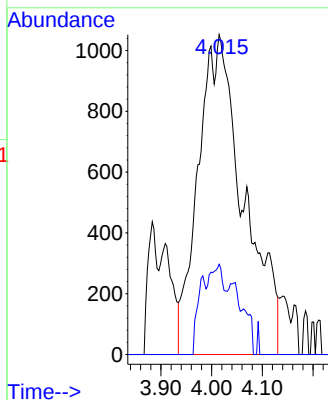
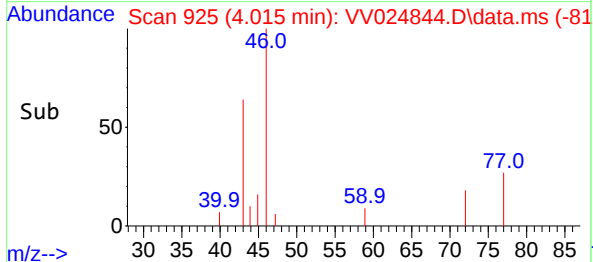
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02



Tgt Ion: 43 Resp: 6550
Ion Ratio Lower Upper
43 100
72 4.6 13.9 41.6

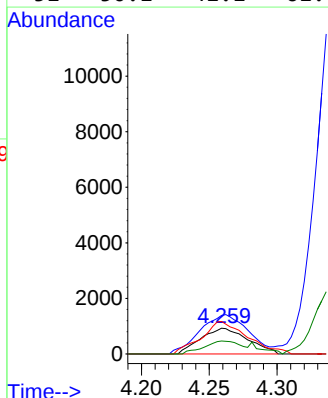
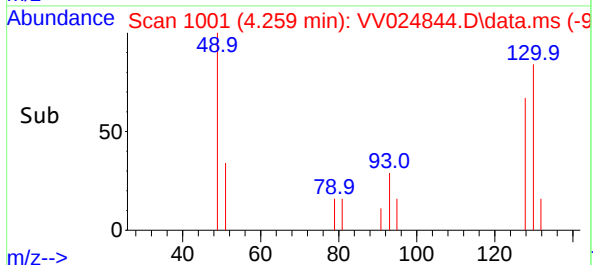
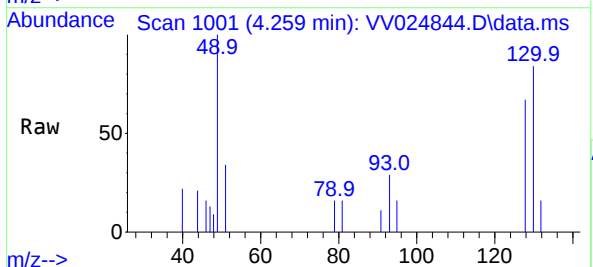
Manual Integrations
APPROVED

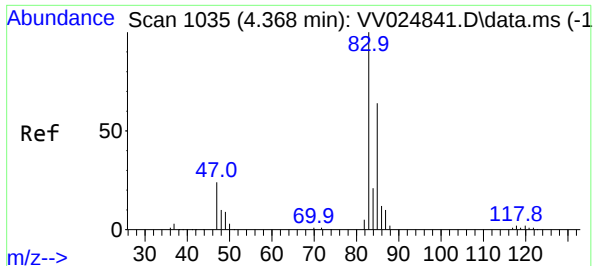
Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#23
Bromochloromethane
Concen: 2.093 ug/L
RT: 4.259 min Scan# 1001
Delta R.T. 0.016 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

Tgt Ion:128 Resp: 2246
Ion Ratio Lower Upper
128 100
49 149.4 110.9 205.9
130 126.1 88.5 164.3
51 50.1 41.1 61.7





#25

Chloroform

Concen: 2.746 ug/L

RT: 4.378 min Scan# 1035

Delta R.T. 0.010 min

Lab File: VV024844.D

Acq: 01 Mar 2022 13:22

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2022-02

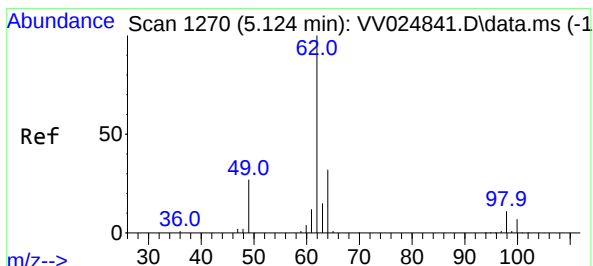
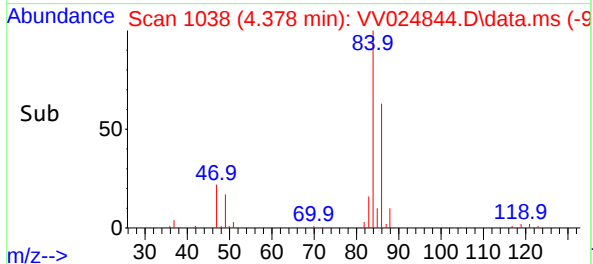
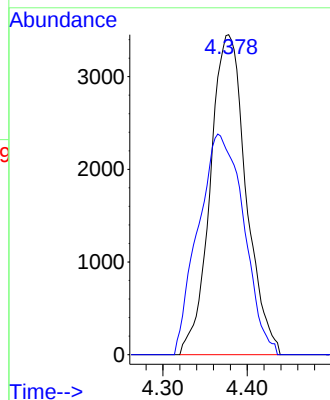
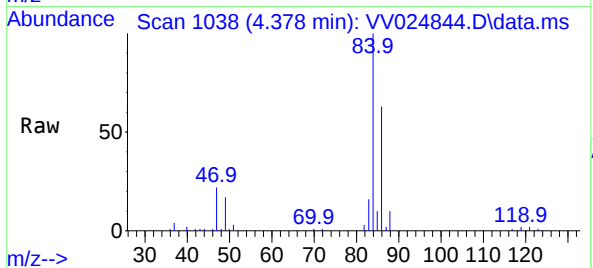
Tgt Ion: 83 Resp: 10194
 Ion Ratio Lower Upper
 83 100
 85 62.6 46.0 85.4

Manual Integrations

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Reviewed By :John Carlone 03/02/2022

Supervised By :Mahesh Dadoda 03/02/2022



#27

1,2-Dichloroethane

Concen: 2.161 ug/L

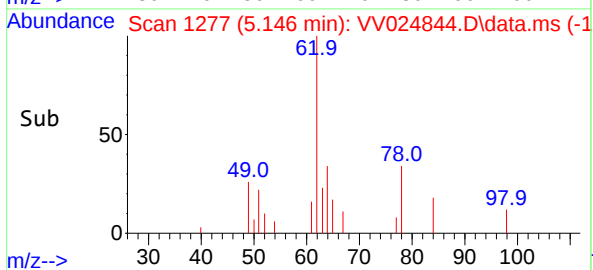
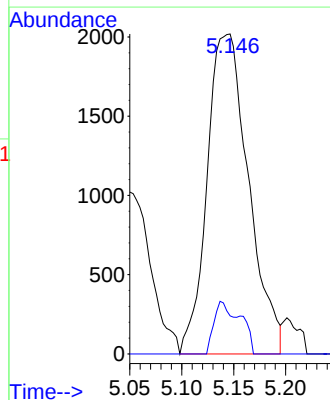
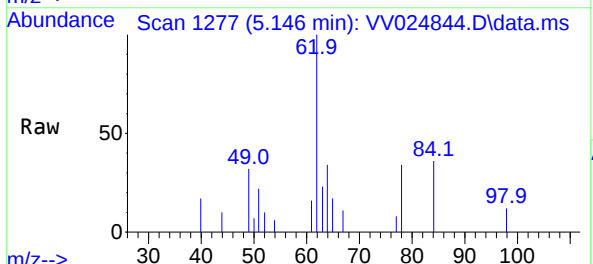
RT: 5.146 min Scan# 1277

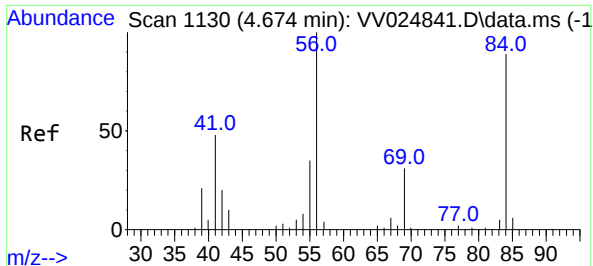
Delta R.T. 0.023 min

Lab File: VV024844.D

Acq: 01 Mar 2022 13:22

Tgt Ion: 62 Resp: 5598
 Ion Ratio Lower Upper
 62 100
 98 11.9 8.2 12.4





#29

Cyclohexane

Concen: 2.084 ug/L

RT: 4.677 min Scan# 1110

Delta R.T. 0.003 min

Lab File: VV024844.D

Acq: 01 Mar 2022 13:22

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2022-02

Tgt Ion: 56 Resp: 6580

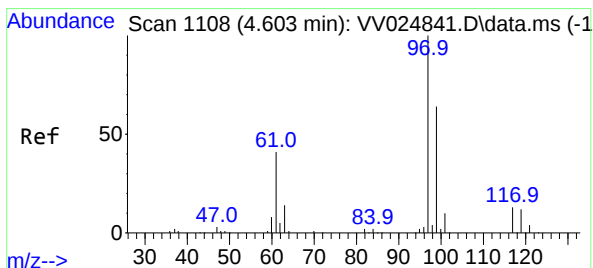
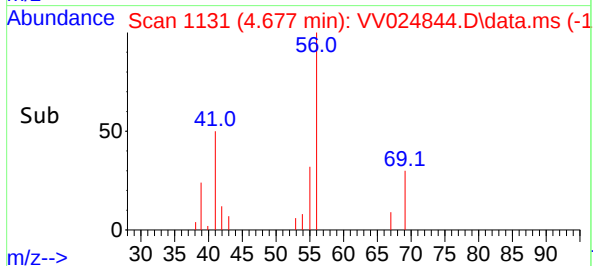
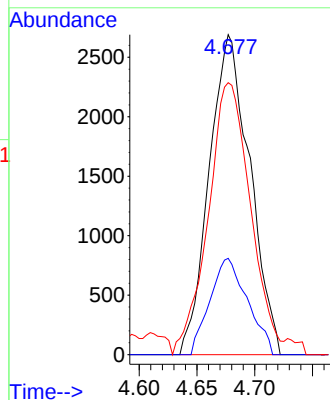
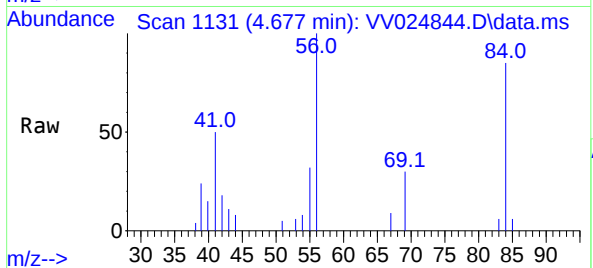
Ion	Ratio	Lower	Upper
56	100		
69	27.8	25.0	37.6
84	88.1	73.4	110.2

Manual Integrations

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Reviewed By :John Carlone 03/02/2022

Supervised By :Mahesh Dadoda 03/02/2022



#30

1,1,1-Trichloroethane

Concen: 2.082 ug/L

RT: 4.613 min Scan# 1111

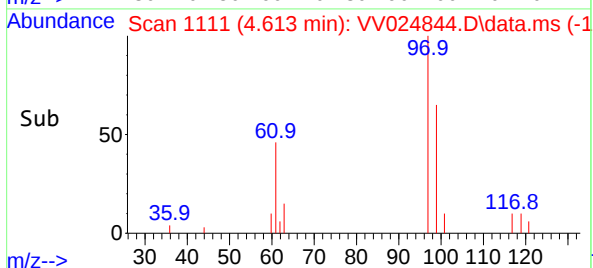
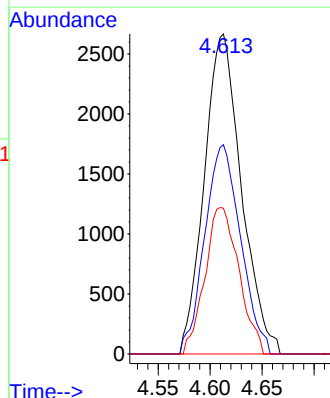
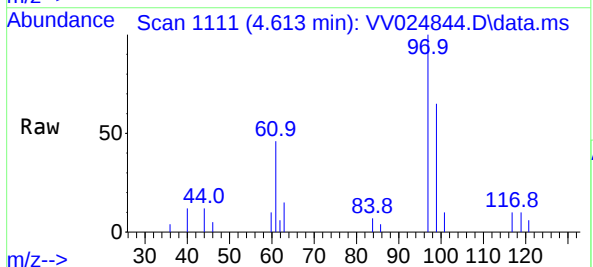
Delta R.T. 0.010 min

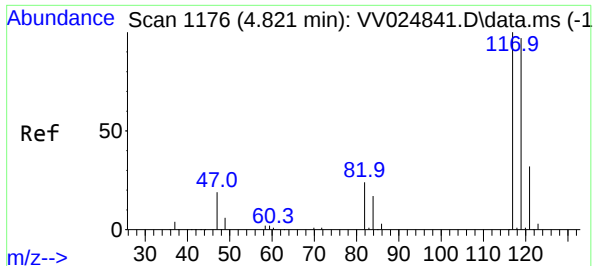
Lab File: VV024844.D

Acq: 01 Mar 2022 13:22

Tgt Ion: 97 Resp: 6626

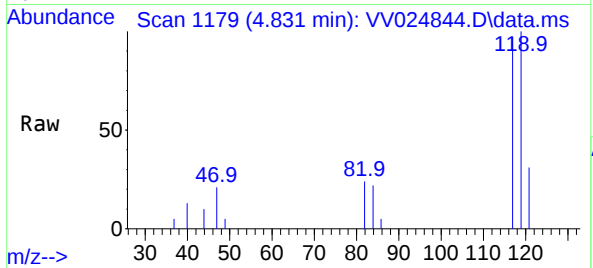
Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.5	77.3
61	41.9	33.8	50.8





#31
Carbon tetrachloride
Concen: 1.886 ug/L
RT: 4.831 min Scan# 1176
Delta R.T. 0.010 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

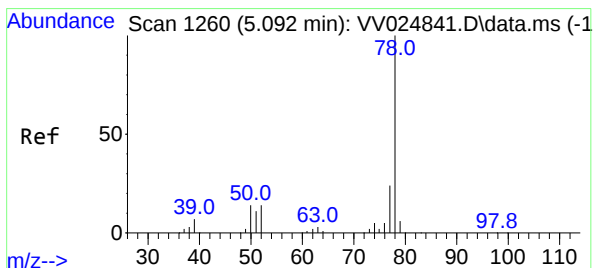
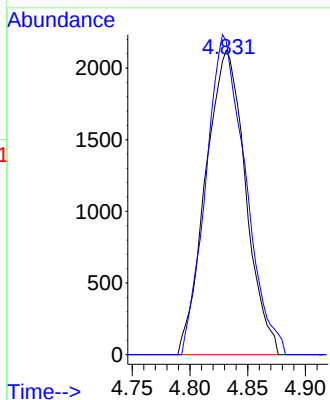
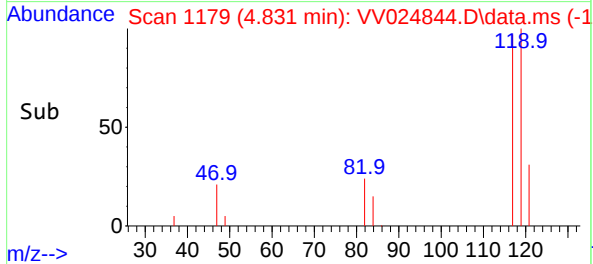
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02



Tgt Ion:117 Resp: 510
Ion Ratio Lower Upper
117 100
119 103.7 75.8 113.8

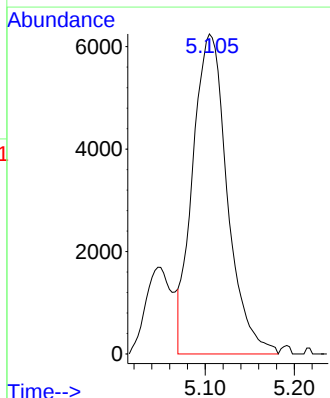
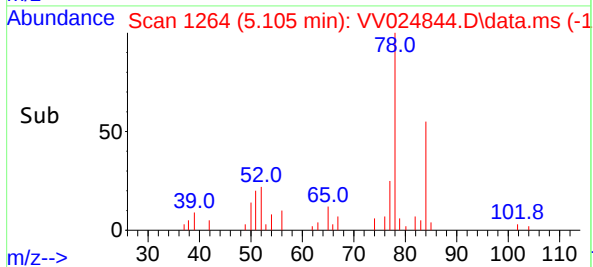
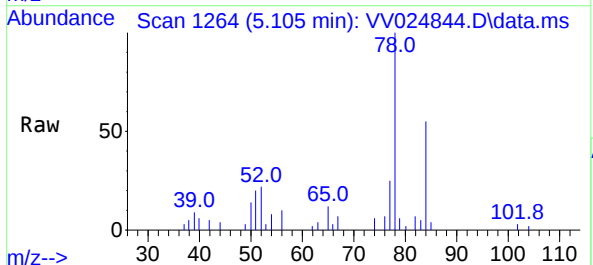
Manual Integrations
APPROVED

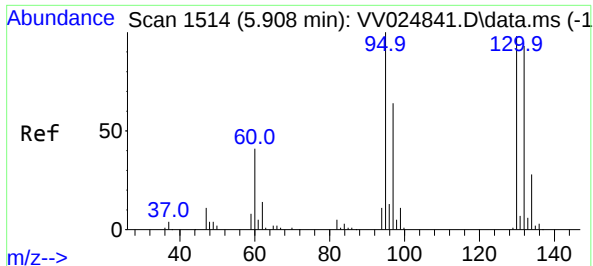
Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#33
Benzene
Concen: 2.068 ug/L
RT: 5.105 min Scan# 1264
Delta R.T. 0.013 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

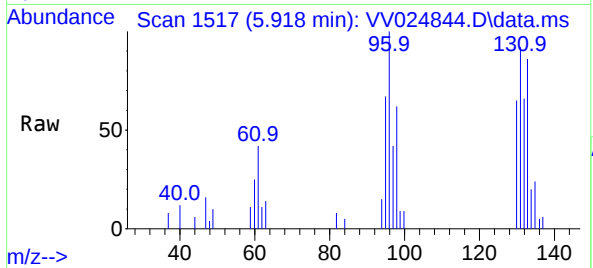
Tgt Ion: 78 Resp: 16868





#34
Trichloroethene
Concen: 2.146 ug/L
RT: 5.918 min Scan# 1514
Delta R.T. 0.010 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

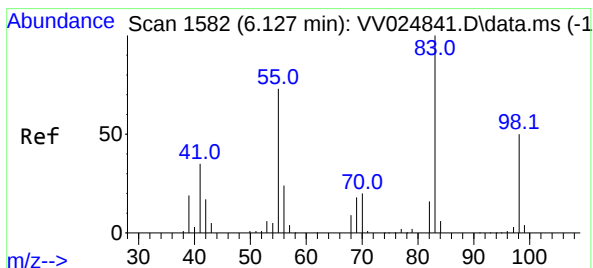
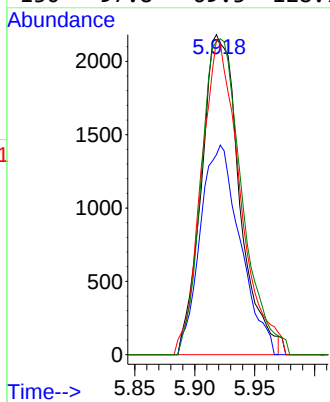
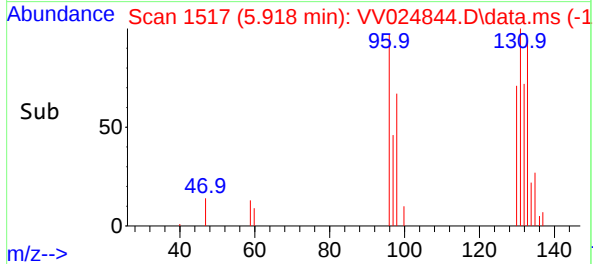
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02



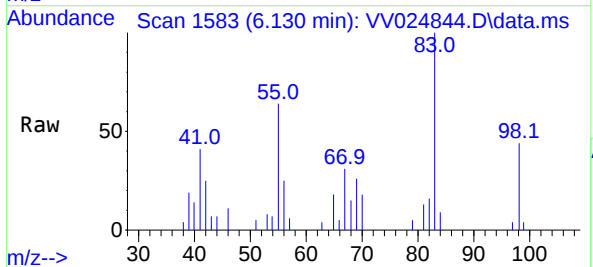
Tgt Ion: 95 Resp: 479
Ion Ratio Lower Upper
95 100
97 62.5 45.3 84.1
132 98.4 65.0 120.6
130 97.8 69.3 128.7

Manual Integrations
APPROVED

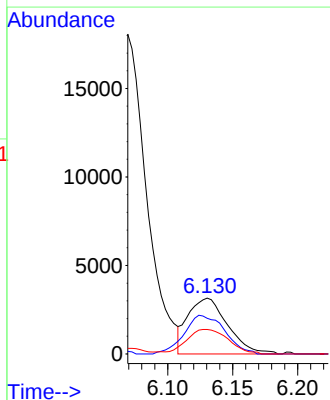
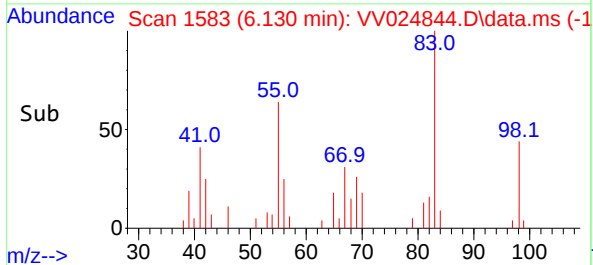
Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

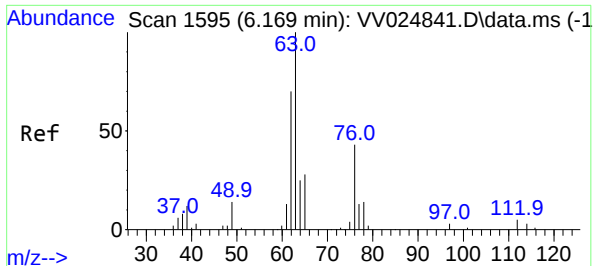


#35
Methylcyclohexane
Concen: 1.967 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.003 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22



Tgt Ion: 83 Resp: 6672
Ion Ratio Lower Upper
83 100
55 71.4 57.7 86.5
98 46.1 38.9 58.3





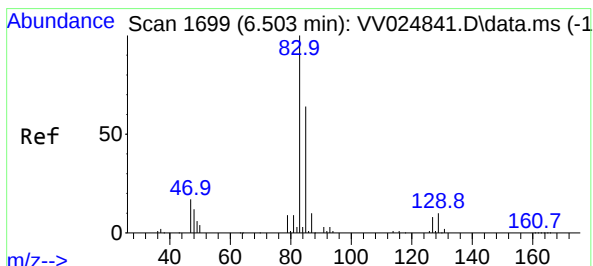
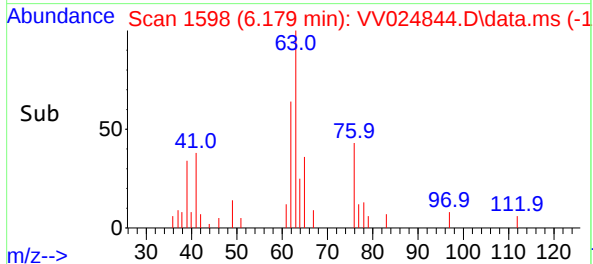
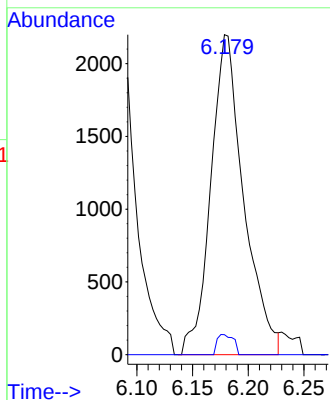
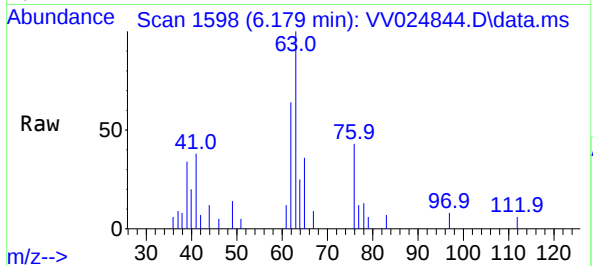
#37
1,2-Dichloropropane
Concen: 2.207 ug/L
RT: 6.179 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02

Tgt Ion: 63 Resp: 4510
Ion Ratio Lower Upper
63 100
112 2.7 3.6 5.4

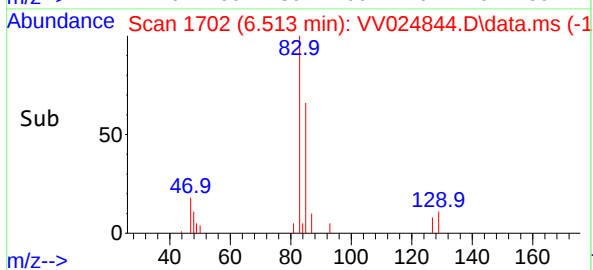
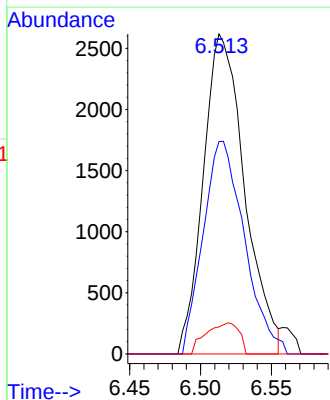
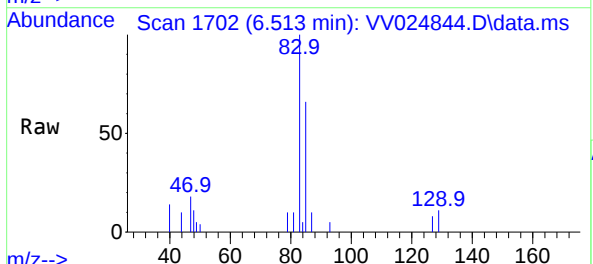
Manual Integrations
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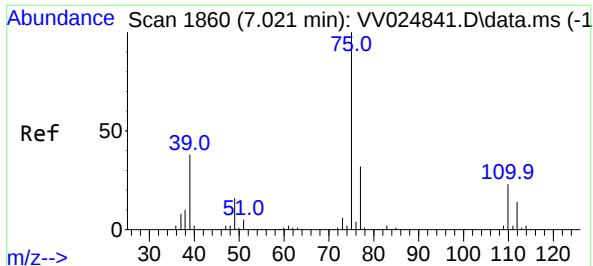
Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#38
Bromodichloromethane
Concen: 1.978 ug/L
RT: 6.513 min Scan# 1702
Delta R.T. 0.010 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

Tgt Ion: 83 Resp: 5304
Ion Ratio Lower Upper
83 100
85 66.4 44.5 82.7
127 8.4 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 2.048 ug/L

RT: 7.034 min Scan# 1860

Delta R.T. 0.013 min

Lab File: VV024844.D

Acq: 01 Mar 2022 13:22

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2022-02

Tgt Ion: 75 Resp: 6308

Ion Ratio Lower Upper

75 100

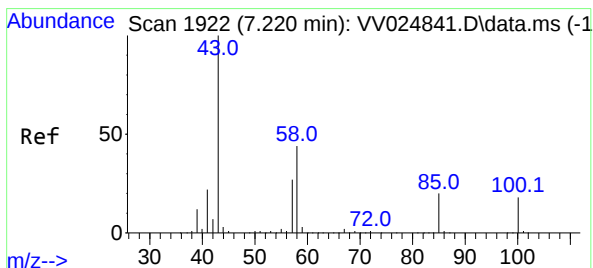
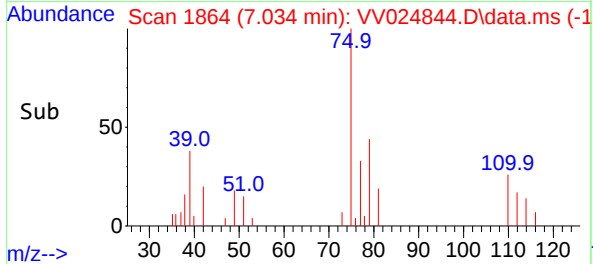
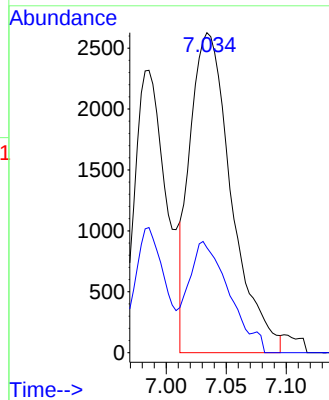
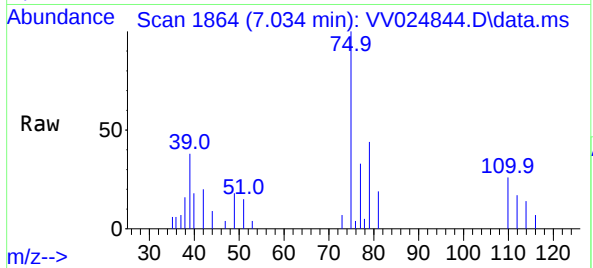
77 32.8 22.9 42.5

Manual Integrations

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Reviewed By :John Carlone 03/02/2022

Supervised By :Mahesh Dadoda 03/02/2022



#40

4-Methyl-2-pentanone

Concen: 3.857 ug/L

RT: 7.233 min Scan# 1926

Delta R.T. 0.013 min

Lab File: VV024844.D

Acq: 01 Mar 2022 13:22

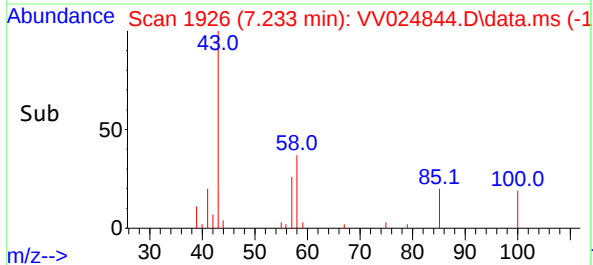
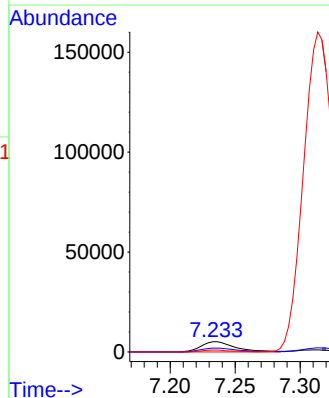
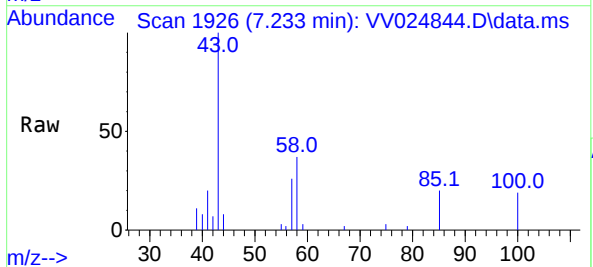
Tgt Ion: 43 Resp: 9409

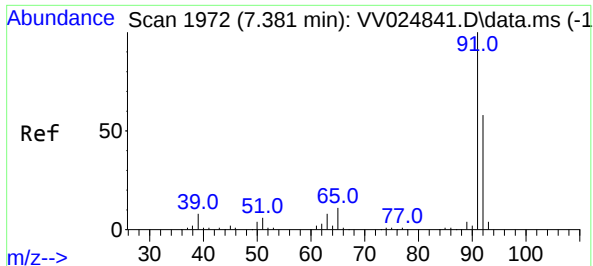
Ion Ratio Lower Upper

43 100

58 40.9 34.8 52.2

100 16.4 14.2 21.2





#42

Toluene

Concen: 2.743 ug/L

RT: 7.394 min Scan# 1972

Delta R.T. 0.013 min

Lab File: VV024844.D

Acq: 01 Mar 2022 13:22

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2022-02

Tgt Ion: 91 Resp: 2334

Ion Ratio Lower Upper

91 100

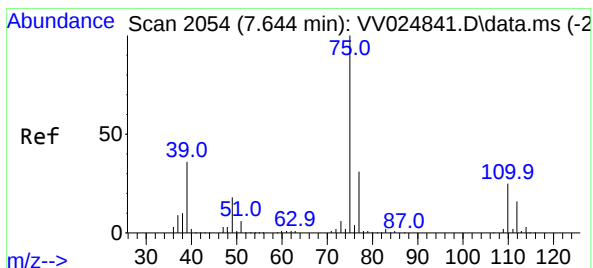
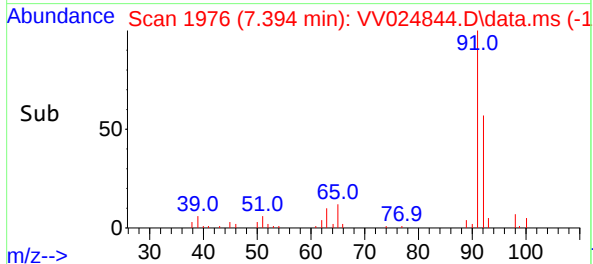
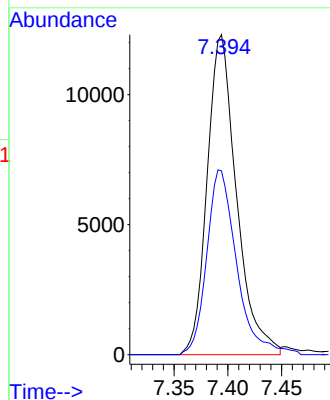
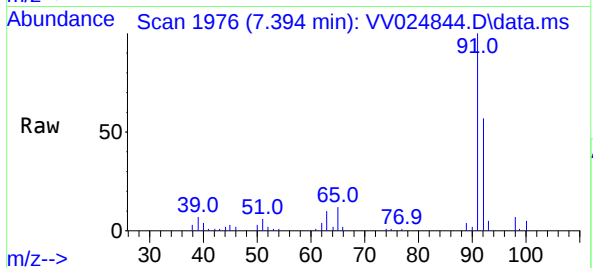
92 57.4 40.8 75.8

Manual Integrations

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Reviewed By :John Carlone 03/02/2022

Supervised By :Mahesh Dadoda 03/02/2022



#44

trans-1,3-Dichloropropene

Concen: 2.107 ug/L

RT: 7.658 min Scan# 2058

Delta R.T. 0.013 min

Lab File: VV024844.D

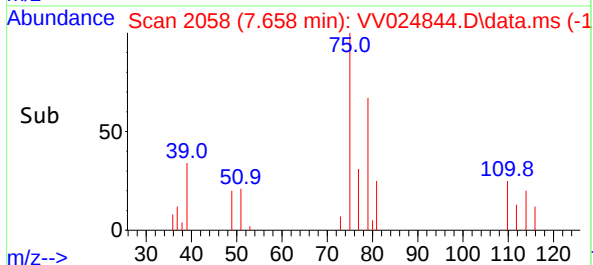
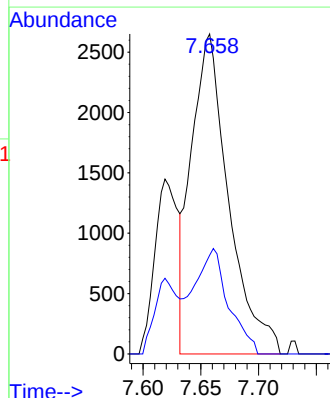
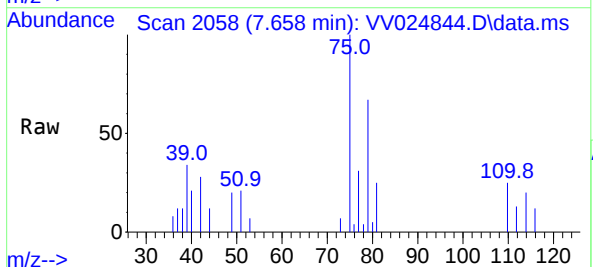
Acq: 01 Mar 2022 13:22

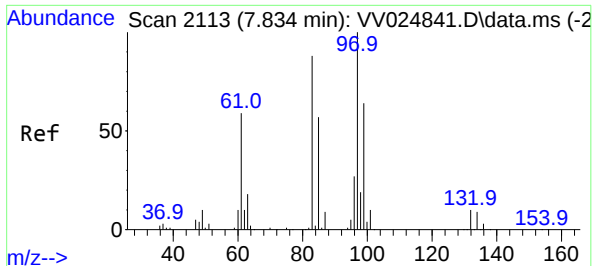
Tgt Ion: 75 Resp: 5961

Ion Ratio Lower Upper

75 100

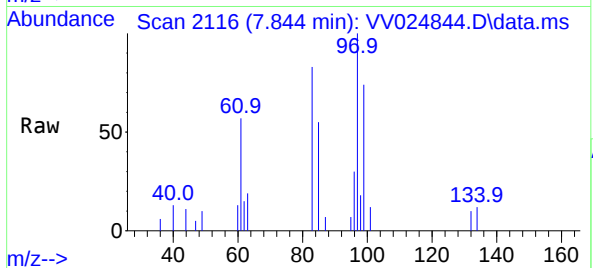
77 30.9 22.5 41.9





#45
1,1,2-Trichloroethane
Concen: 2.127 ug/L
RT: 7.844 min Scan# 2113
Delta R.T. 0.010 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02

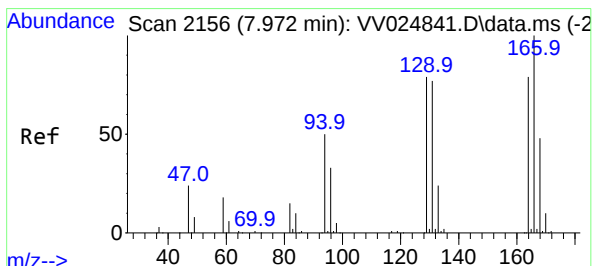
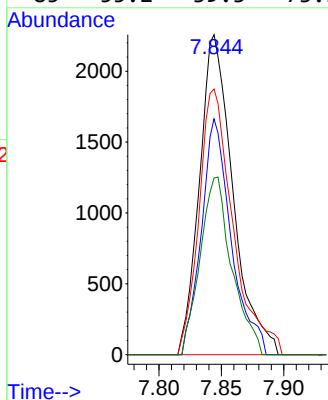
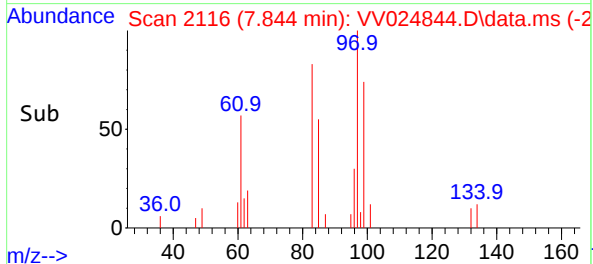


Tgt Ion: 97 Resp: 4229

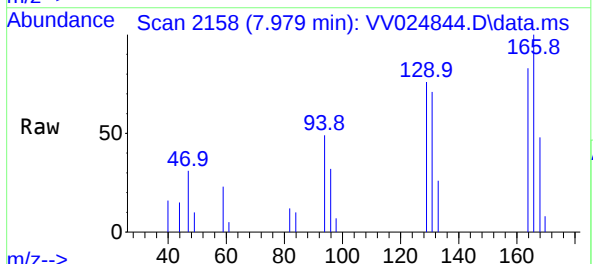
Ion	Ratio	Lower	Upper
97	100		
99	73.7	43.9	81.5
83	83.0	61.7	114.5
85	55.2	39.3	73.1

Manual Integrations
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Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

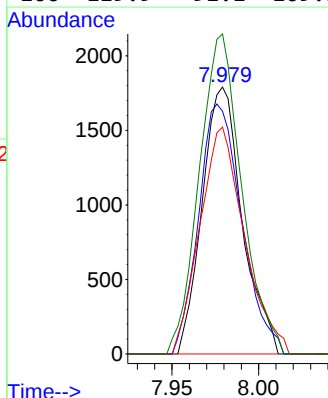
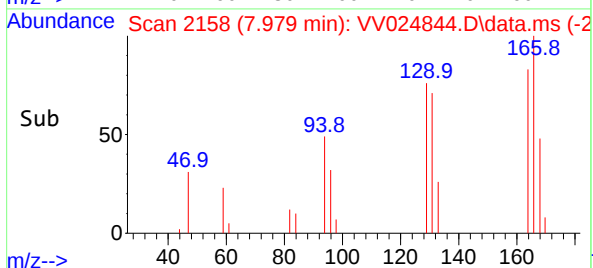


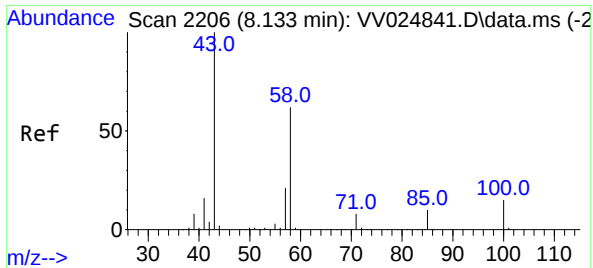
#46
Tetrachloroethene
Concen: 1.993 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.007 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22



Tgt Ion:164 Resp: 2878

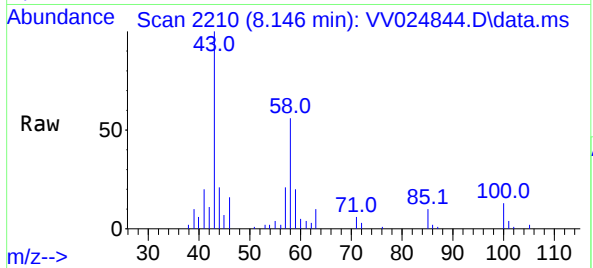
Ion	Ratio	Lower	Upper
164	100		
129	91.0	74.1	137.7
131	85.0	70.1	130.1
166	119.9	91.1	169.1





#48
2-Hexanone
Concen: 10.338 ug/L
RT: 8.146 min Scan# 2210
Delta R.T. 0.013 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

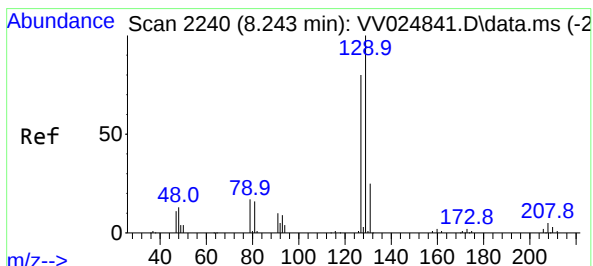
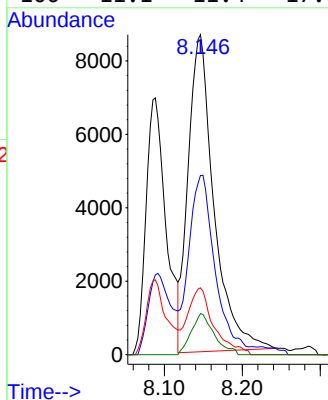
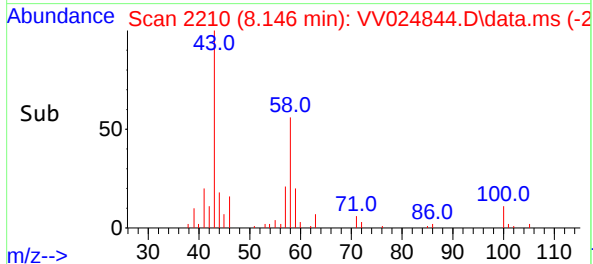
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02



Tgt Ion: 43 Resp: 1985
Ion Ratio Lower Upper
43 100
58 52.7 48.6 72.8
57 16.9 16.5 24.7
100 11.1 11.4 17.0#

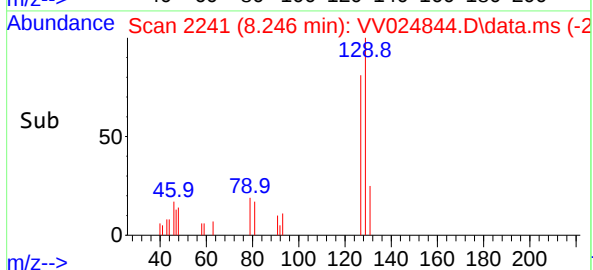
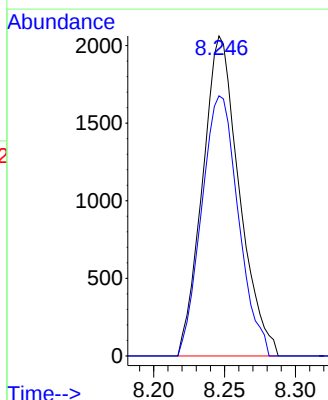
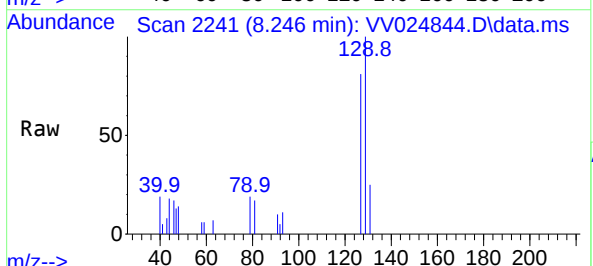
Manual Integrations
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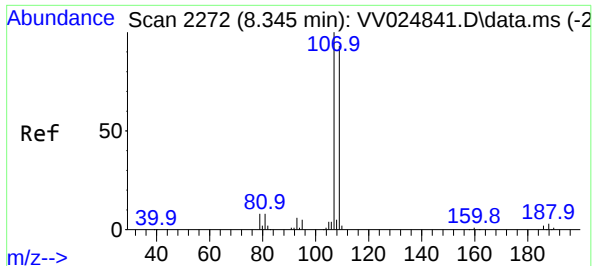
Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#49
Dibromochloromethane
Concen: 1.931 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.003 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

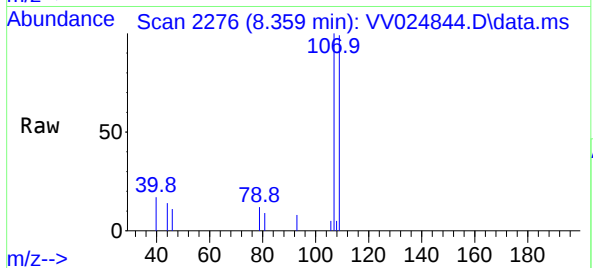
Tgt Ion:129 Resp: 3711
Ion Ratio Lower Upper
129 100
127 81.3 54.2 100.6





#50
1,2-Dibromoethane
Concen: 2.024 ug/L
RT: 8.359 min Scan# 21
Delta R.T. 0.013 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

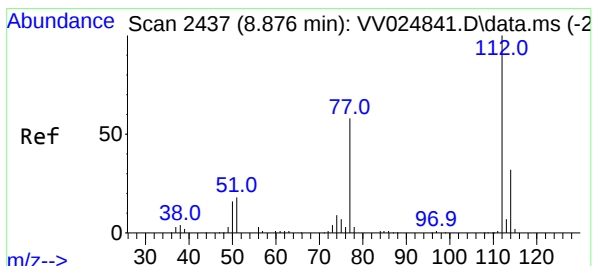
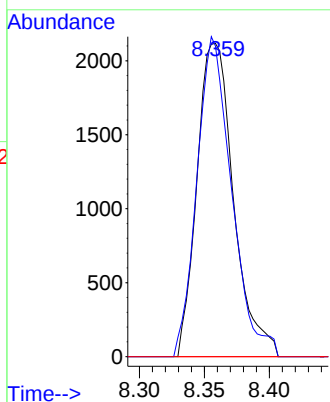
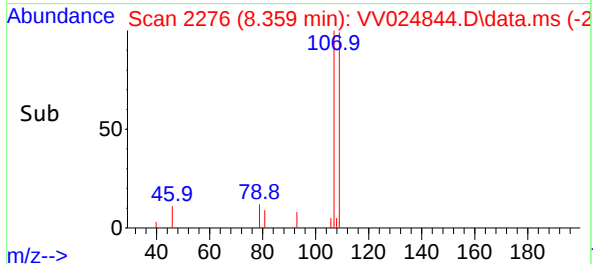
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02



Tgt Ion:107 Resp: 4150
Ion Ratio Lower Upper
107 100
109 99.1 65.6 121.8
188 0.0 2.4 3.6

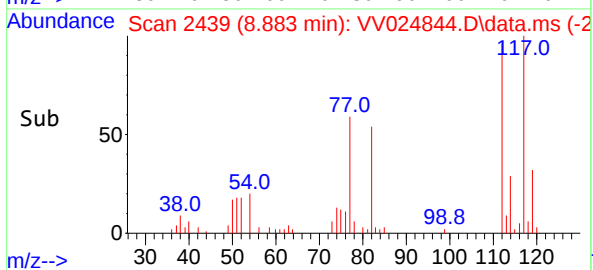
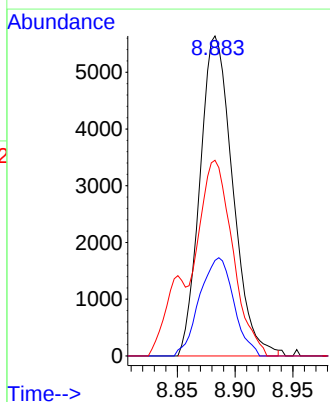
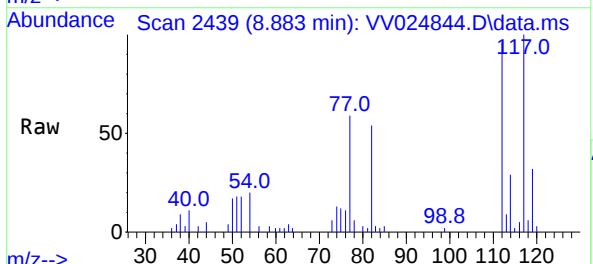
Manual Integrations
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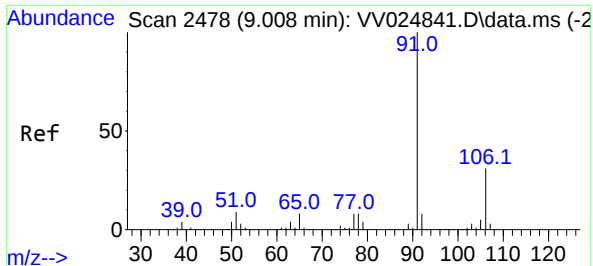
Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#51
Chlorobenzene
Concen: 2.073 ug/L
RT: 8.883 min Scan# 2439
Delta R.T. 0.007 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

Tgt Ion:112 Resp: 11130
Ion Ratio Lower Upper
112 100
114 29.8 22.3 41.5
77 61.1 46.7 70.1





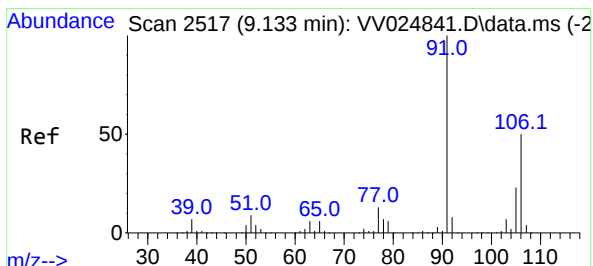
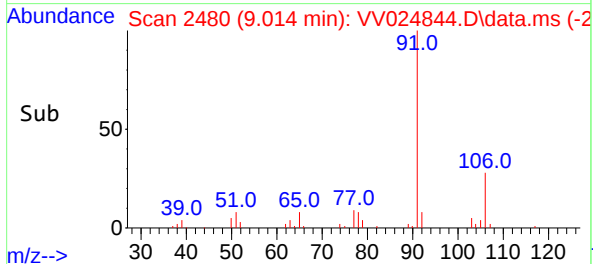
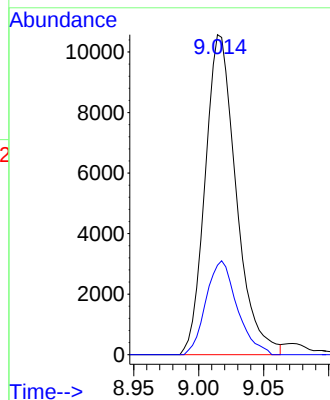
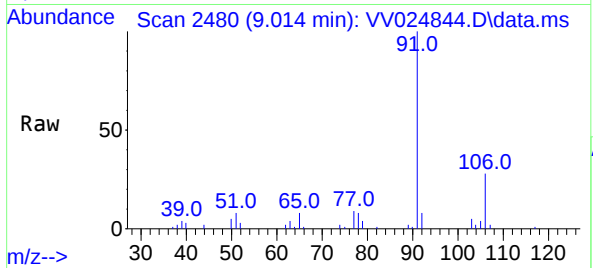
#52
Ethylbenzene
Concen: 1.956 ug/L
RT: 9.014 min Scan# 2478
Delta R.T. 0.007 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02

Tgt Ion: 91 Resp: 1755
Ion Ratio Lower Upper
91 100
106 28.0 21.6 40.2

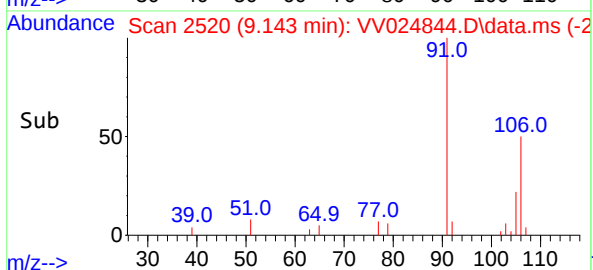
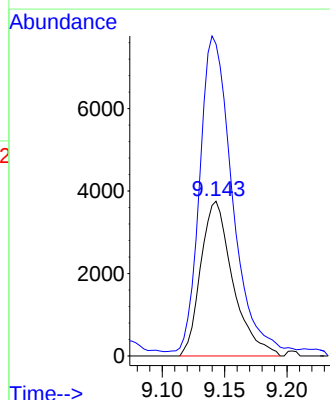
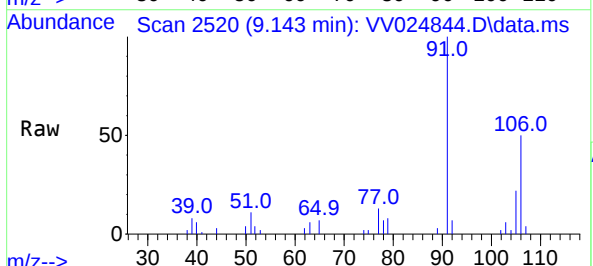
Manual Integrations
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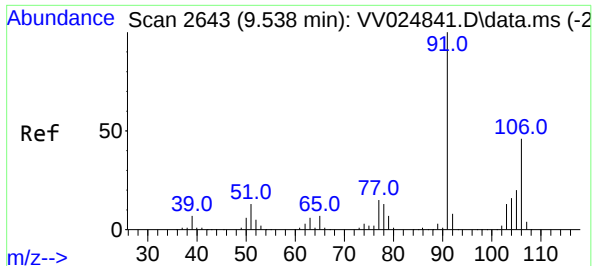
Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#53
m,p-Xylene
Concen: 1.954 ug/L
RT: 9.143 min Scan# 2520
Delta R.T. 0.010 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

Tgt Ion:106 Resp: 6739
Ion Ratio Lower Upper
106 100
91 201.5 142.2 264.2





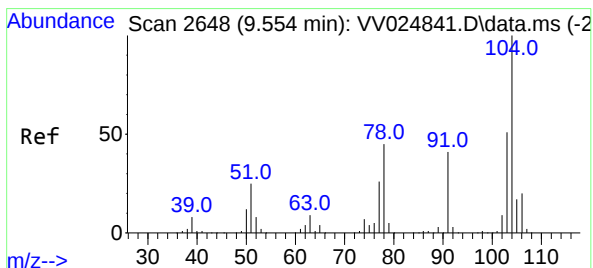
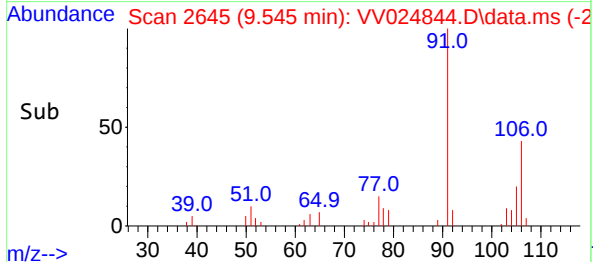
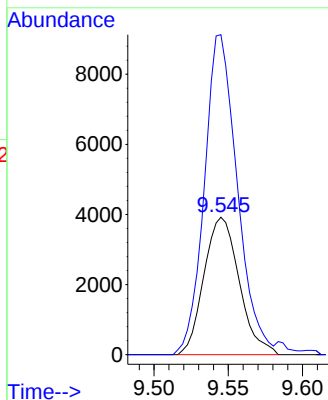
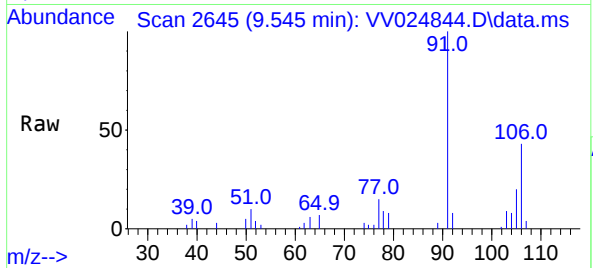
#54
o-Xylene
Concen: 1.943 ug/L
RT: 9.545 min Scan# 2643
Delta R.T. 0.007 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02

Tgt Ion:106 Resp: 6470
Ion Ratio Lower Upper
106 100
91 232.9 151.6 281.6

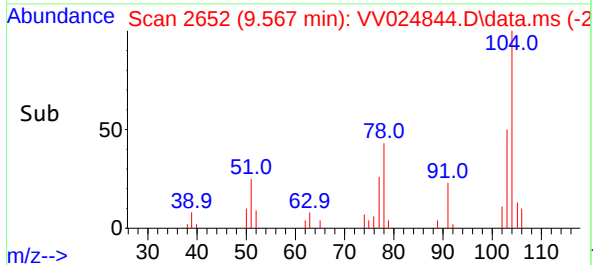
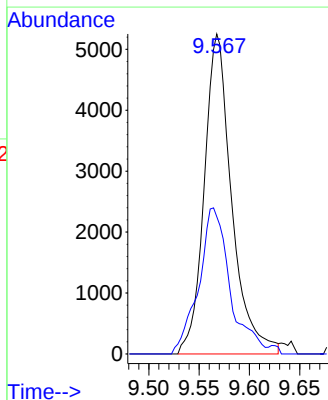
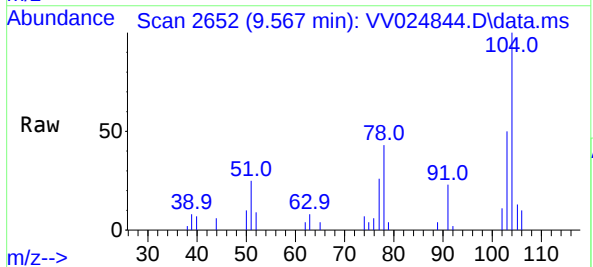
Manual Integrations
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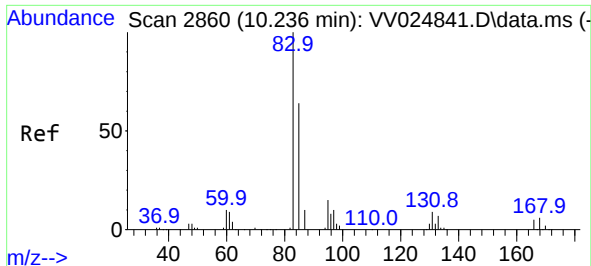
Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#55
Styrene
Concen: 1.767 ug/L
RT: 9.567 min Scan# 2652
Delta R.T. 0.013 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

Tgt Ion:104 Resp: 9990
Ion Ratio Lower Upper
104 100
78 42.9 30.9 57.3





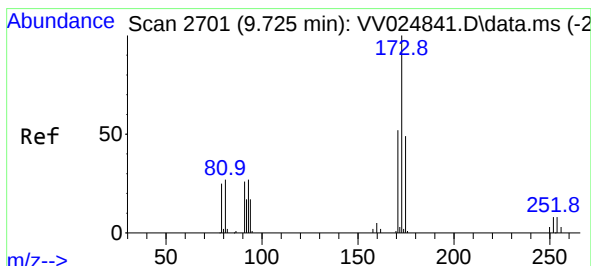
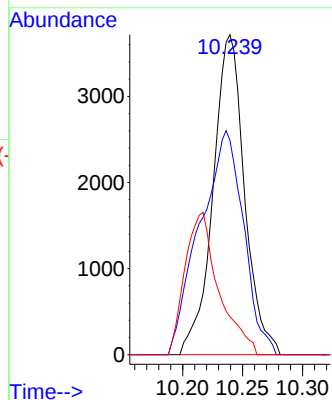
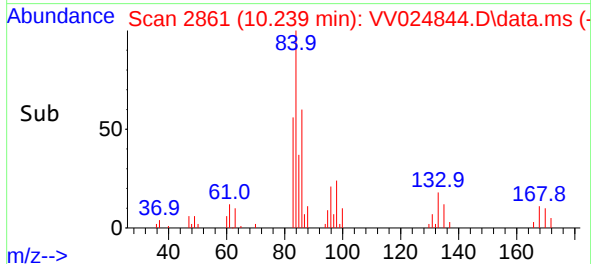
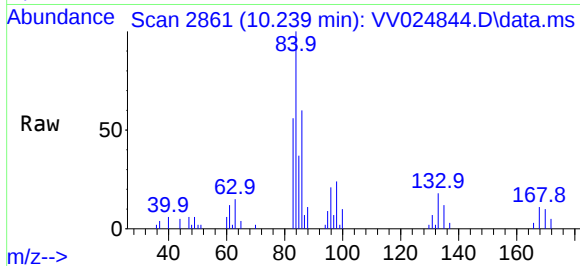
#57
1,1,2,2-Tetrachloroethane
Concen: 2.443 ug/L
RT: 10.239 min Scan# 2860
Delta R.T. 0.003 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT1-2022-02

Tgt Ion: 83 Resp: 679
Ion Ratio Lower Upper
83 100
85 67.0 44.2 82.2
131 11.8 7.0 10.4

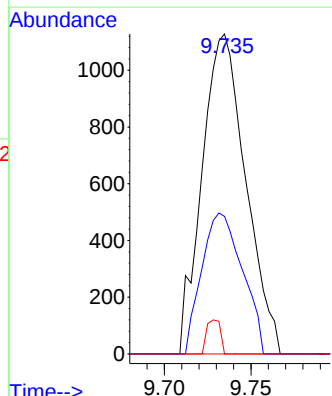
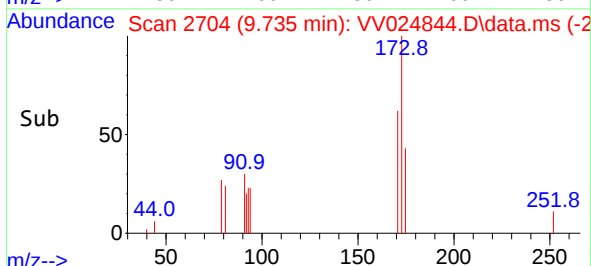
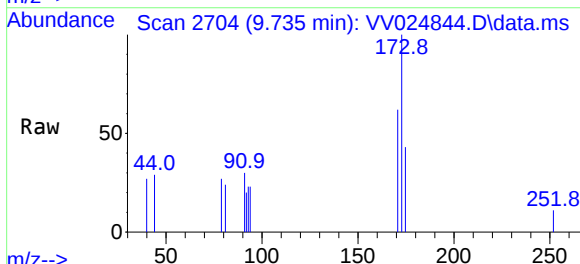
Manual Integrations
APPROVED

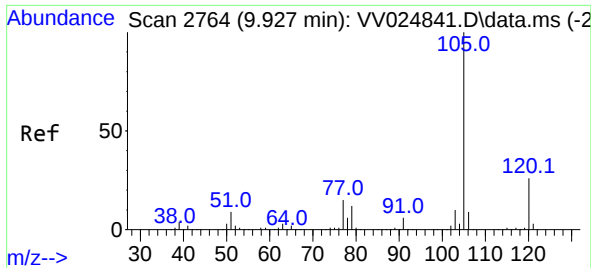
Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#59
Bromoform
Concen: 1.959 ug/L
RT: 9.735 min Scan# 2704
Delta R.T. 0.010 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

Tgt Ion:173 Resp: 1981
Ion Ratio Lower Upper
173 100
175 40.9 37.9 56.9
254 3.3 6.2 9.4





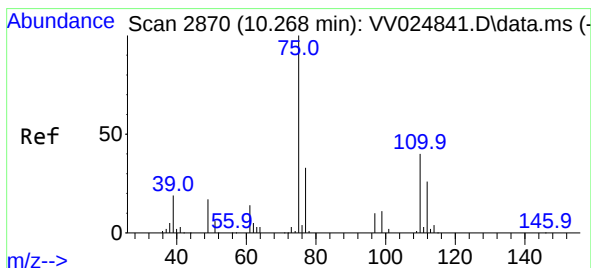
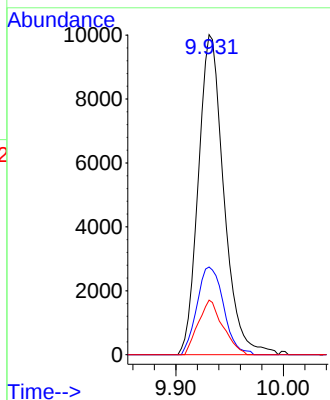
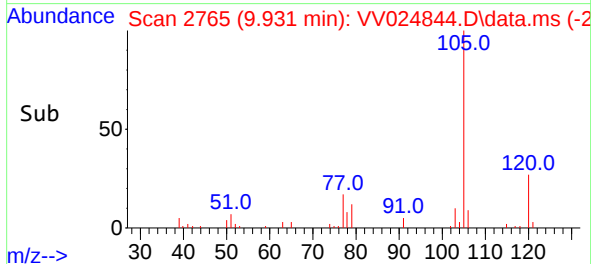
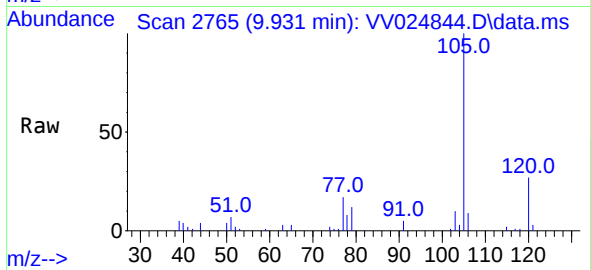
#60
Isopropylbenzene
Concen: 2.045 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.003 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02

Tgt Ion:105	Resp:	1649
Ion Ratio	Lower	Upper
105	100	
120	28.6	20.6 31.0
77	16.4	12.3 18.5

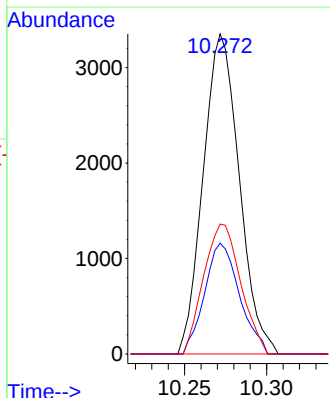
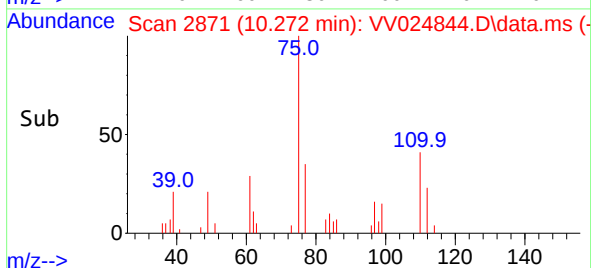
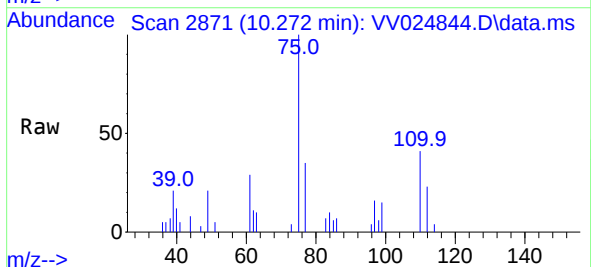
Manual Integrations
APPROVED

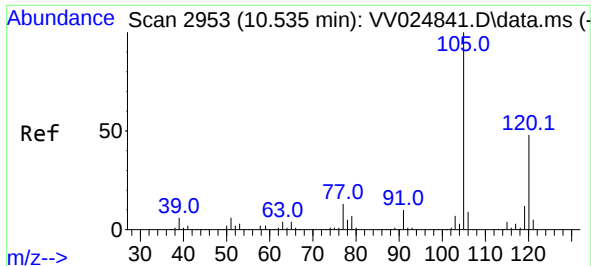
Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#61
1,2,3-Trichloropropane
Concen: 2.301 ug/L
RT: 10.272 min Scan# 2871
Delta R.T. 0.003 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

Tgt Ion: 75	Resp:	5113
Ion Ratio	Lower	Upper
75	100	
77	33.5	25.4 38.0
110	41.7	31.4 47.2





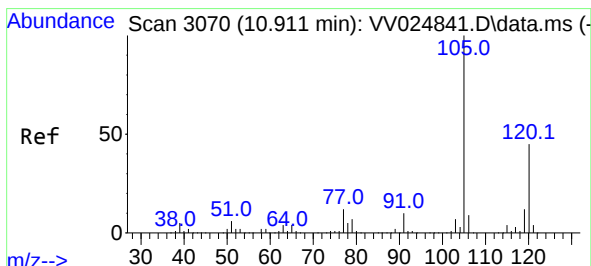
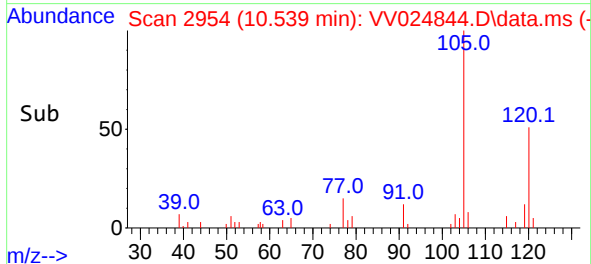
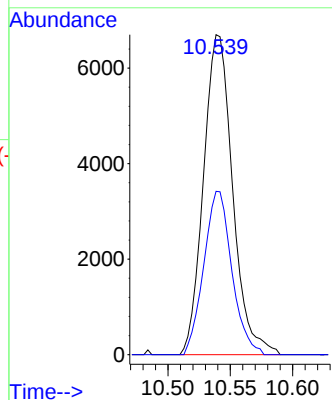
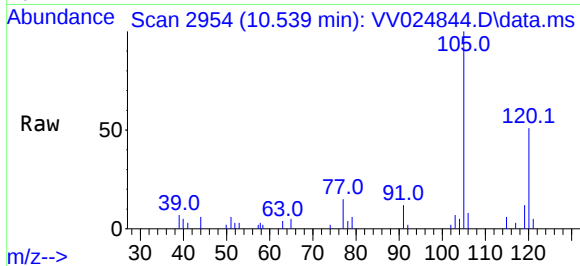
#62
1,3,5-Trimethylbenzene
Concen: 2.006 ug/L
RT: 10.539 min Scan# 2953
Delta R.T. 0.003 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02

Tgt Ion:105 Resp: 10914
Ion Ratio Lower Upper
105 100
120 49.0 38.6 58.0

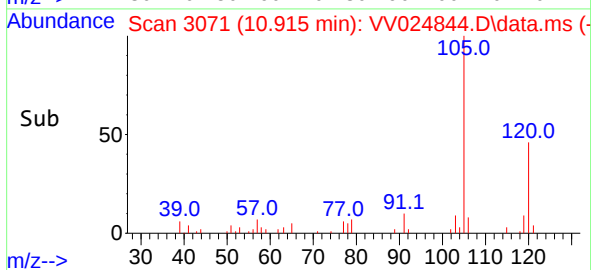
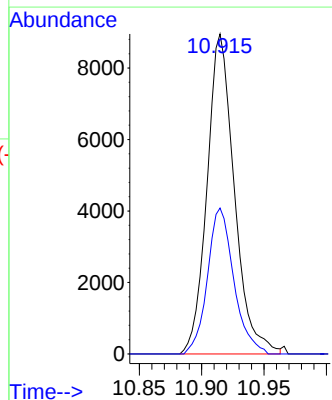
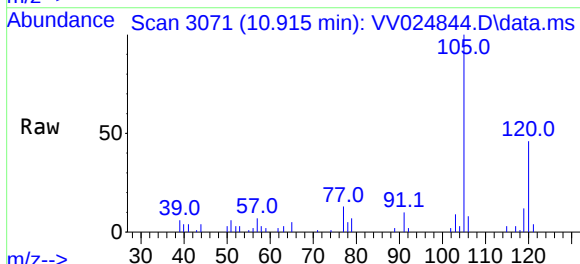
Manual Integrations
APPROVED

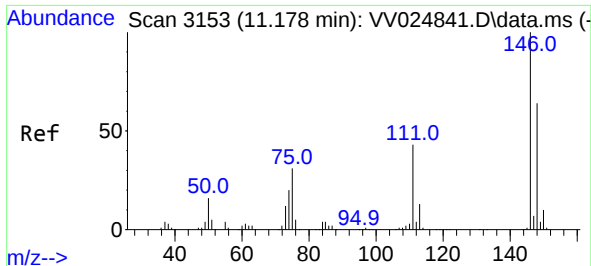
Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#63
1,2,4-Trimethylbenzene
Concen: 2.049 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

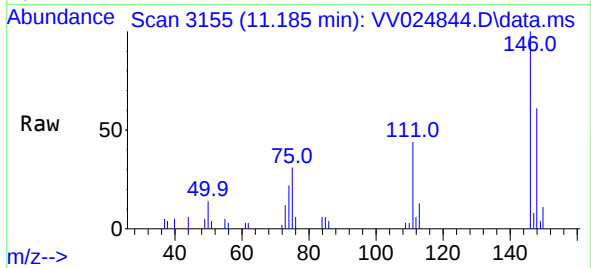
Tgt Ion:105 Resp: 13662
Ion Ratio Lower Upper
105 100
120 44.0 36.1 54.1





#64
1,3-Dichlorobenzene
Concen: 2.113 ug/L
RT: 11.185 min Scan# 3155
Delta R.T. 0.007 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

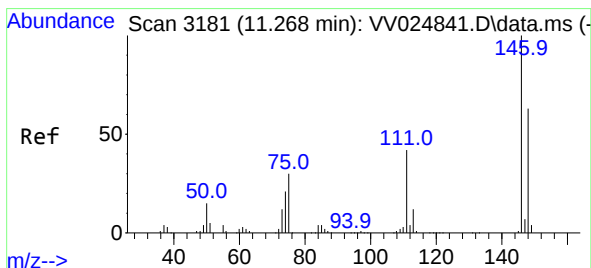
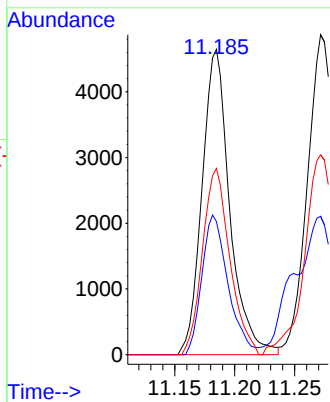
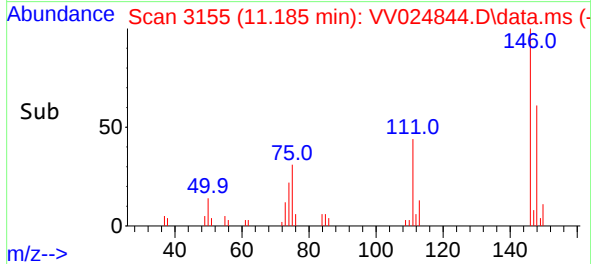
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02



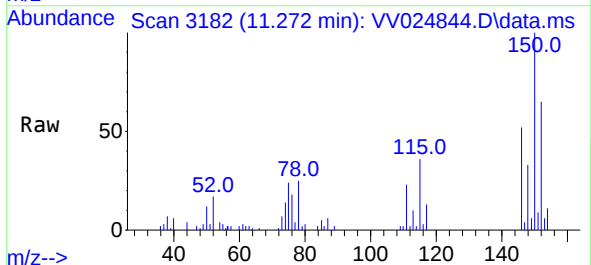
Tgt Ion:146 Resp: 7470
Ion Ratio Lower Upper
146 100
111 43.6 29.7 55.1
148 61.0 43.9 81.5

Manual Integrations
APPROVED

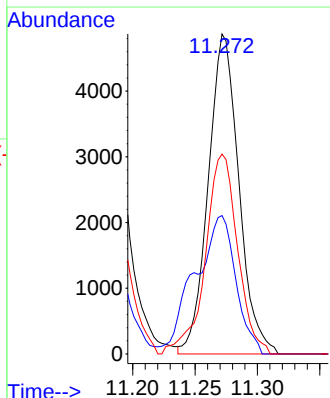
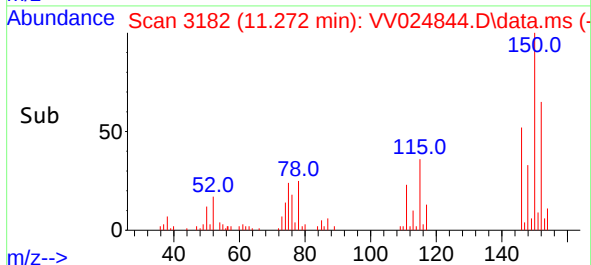
Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

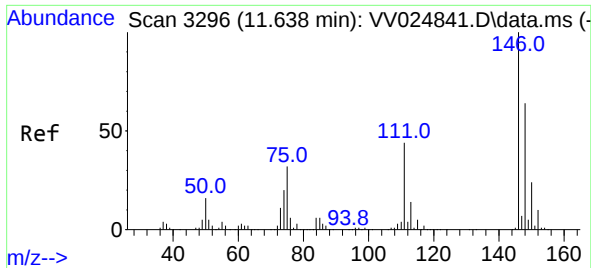


#65
1,4-Dichlorobenzene
Concen: 2.296 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22



Tgt Ion:146 Resp: 8316
Ion Ratio Lower Upper
146 100
111 43.3 28.6 53.0
148 62.4 43.7 81.1





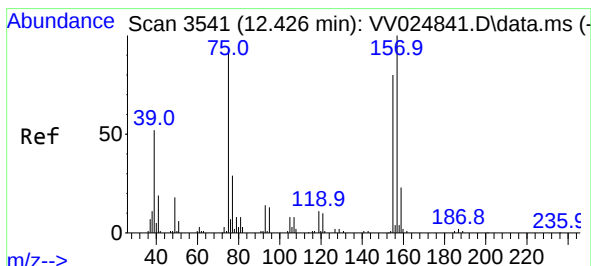
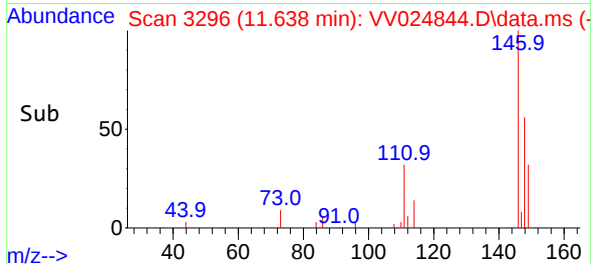
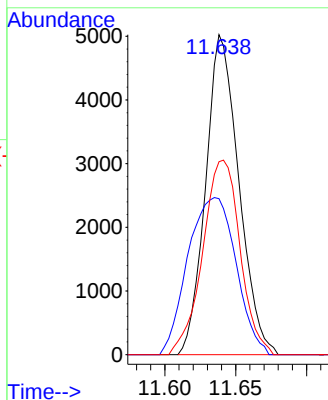
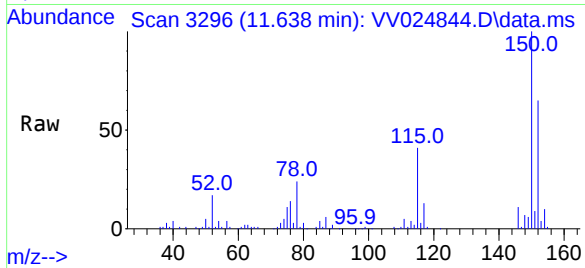
#67
1,2-Dichlorobenzene
Concen: 2.299 ug/L
RT: 11.638 min Scan# 318
Delta R.T. 0.000 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02

Tgt Ion:146 Resp: 818
Ion Ratio Lower Upper
146 100
111 48.8 34.9 52.3
148 60.3 51.4 77.2

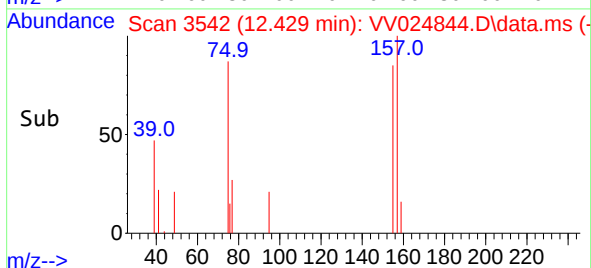
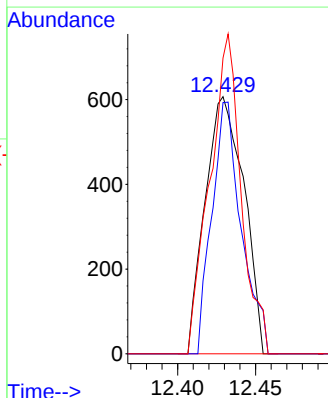
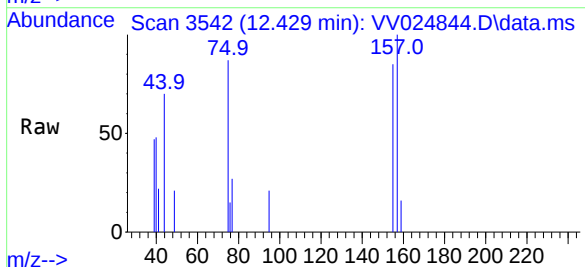
Manual Integrations
APPROVED

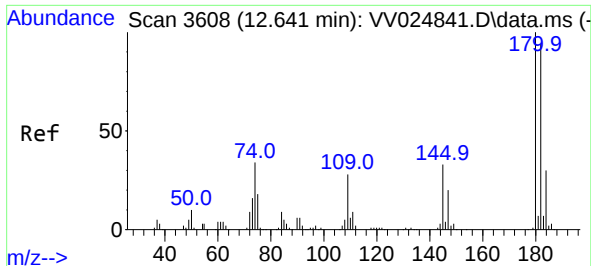
Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#68
1,2-Dibromo-3-chloropropane
Concen: 2.060 ug/L
RT: 12.429 min Scan# 3542
Delta R.T. 0.003 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

Tgt Ion: 75 Resp: 1045
Ion Ratio Lower Upper
75 100
155 97.7 63.8 95.8#
157 115.0 79.3 118.9





#69

1,3,5-Trichlorobenzene

Concen: 2.062 ug/L

RT: 12.648 min Scan# 30

Delta R.T. 0.007 min

Lab File: VV024844.D

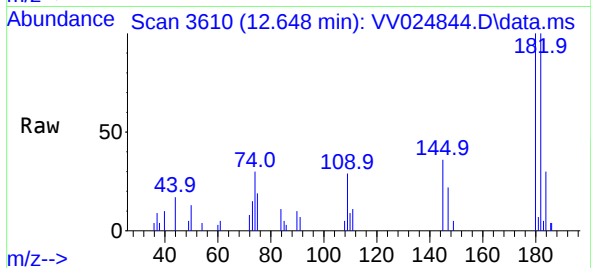
Acq: 01 Mar 2022 13:22

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2022-02



Tgt Ion:180 Resp: 492

Ion Ratio Lower Upper

180 100

182 97.2 75.1 112.7

184 29.1 23.9 35.9

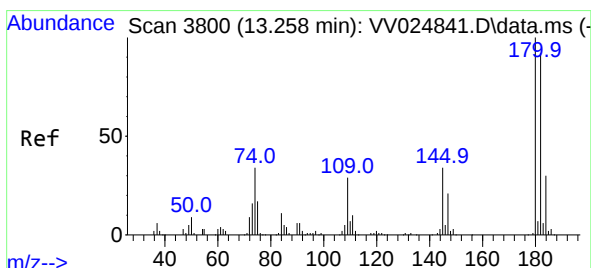
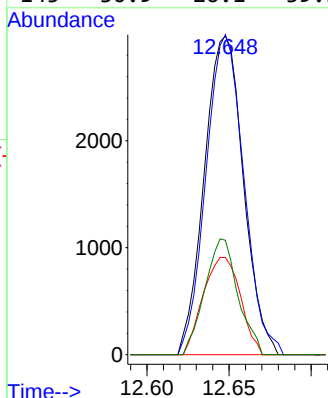
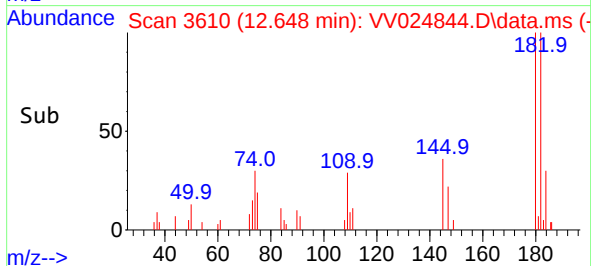
145 30.9 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/02/2022

Supervised By :Mahesh Dadoda 03/02/2022



#70

1,2,4-trichlorobenzene

Concen: 1.851 ug/L

RT: 13.262 min Scan# 3801

Delta R.T. 0.003 min

Lab File: VV024844.D

Acq: 01 Mar 2022 13:22

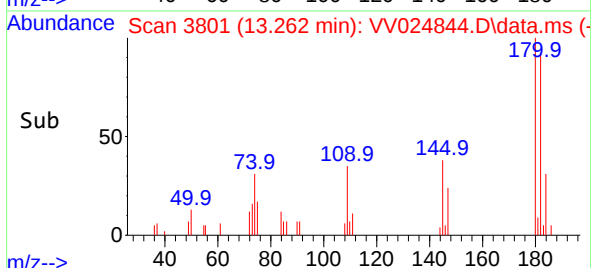
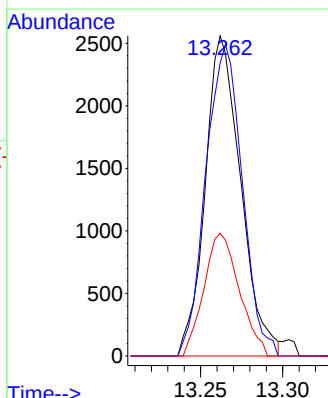
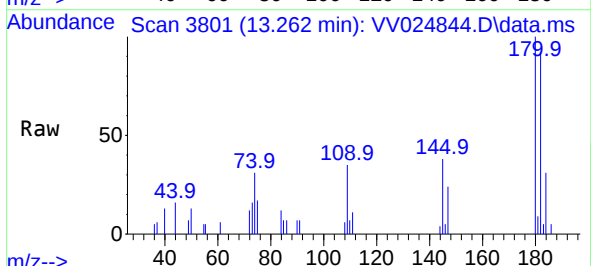
Tgt Ion:180 Resp: 3852

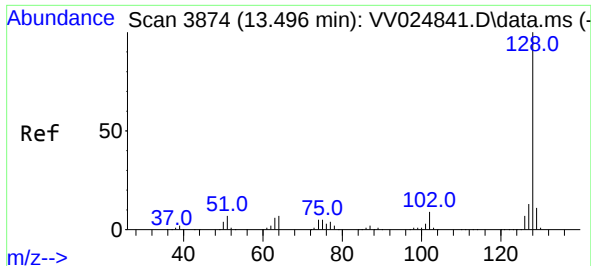
Ion Ratio Lower Upper

180 100

182 99.8 76.0 114.0

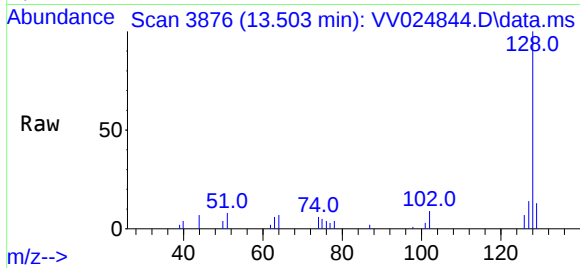
145 38.1 27.6 41.4





#71
Naphthalene
Concen: 1.976 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.007 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22

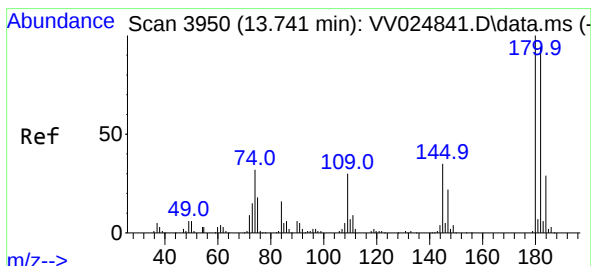
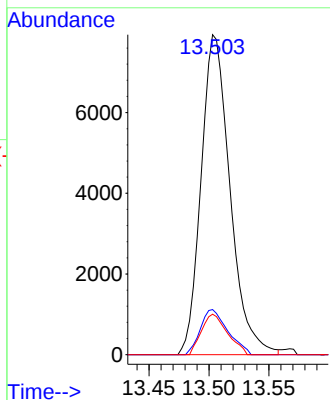
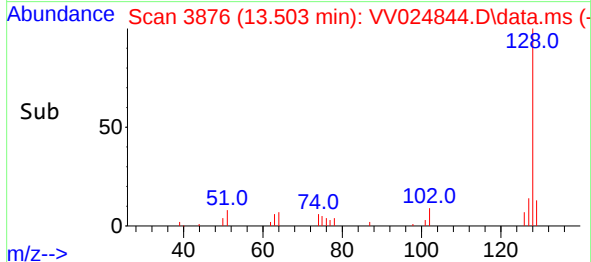
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-02



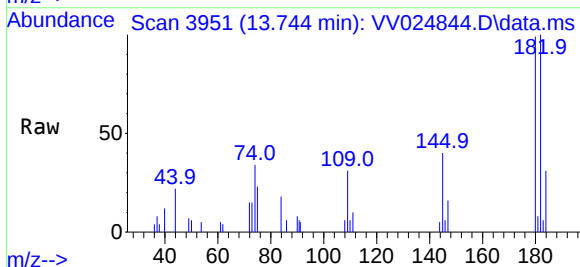
Tgt Ion:128 Resp: 1332
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 11.4 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#72
1,2,3-Trichlorobenzene
Concen: 2.094 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.003 min
Lab File: VV024844.D
Acq: 01 Mar 2022 13:22



Tgt Ion:180 Resp: 4298
Ion Ratio Lower Upper
180 100
182 98.6 75.9 113.9
145 37.0 28.7 43.1

