

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021822\
 Data File : VW024747.D
 Acq On : 18 Feb 2022 12:36
 Operator : SY/MD
 Sample : N1331-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT1-2022-01

Quant Time: Feb 19 00:52:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR021722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Feb 19 00:43:23 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/22/2022
 Supervised By : Mahesh Dadoda 02/22/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	163184	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	149255	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	66472	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	63743	4.605	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	92.200%	
7) Chloroethane-d5	1.568	69	54665	4.814	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	96.200%	
11) 1,1-Dichloroethene-d2	2.108	63	88586	3.493	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	69.800%	
20) 2-Butanone-d5	3.895	46	99502	50.329	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	100.660%	
24) Chloroform-d	4.349	84	101790	4.713	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	94.200%	
26) 1,2-Dichloroethane-d4	5.034	65	47904	4.976	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	99.600%	
32) Benzene-d6	5.050	84	215124	4.996	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	100.000%	
36) 1,2-Dichloropropane-d6	6.069	67	65865	5.198	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	104.000%	
41) Toluene-d8	7.313	98	189210	4.836	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	96.800%	
43) trans-1,3-Dichloroprop...	7.622	79	20020	4.743	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	94.800%	
46) 2-Hexanone-d5	8.088	63	78680	47.369	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	94.740%	
56) 1,1,2,2-Tetrachloroeth...	10.214	84	36504	4.780	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	95.600%	
66) 1,2-Dichlorobenzene-d4	11.622	152	59087	5.137	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	102.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	3081	0.194	ug/L	100
3) Chloromethane	1.243	50	3239	0.204	ug/L	100
5) Vinyl chloride	1.310	62	3648	0.209	ug/L #	65
6) Bromomethane	1.523	94	2625	0.252	ug/L	93
8) Chloroethane	1.584	64	2376	0.221	ug/L	98
9) Trichlorofluoromethane	1.754	101	4572	0.200	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.121	101	3457	0.260	ug/L #	83
12) 1,1-Dichloroethene	2.117	96	3162	0.249	ug/L #	1
13) Acetone	2.185	43	3086	2.213	ug/L	94
14) Carbon disulfide	2.294	76	6498	0.182	ug/L	97
15) Methyl Acetate	2.455	43	738	0.202	ug/L #	49
16) Methylene chloride	2.510	84	4497	0.359	ug/L	94
17) Methyl tert-butyl Ether	2.770	73	4635	0.186	ug/L #	93
18) trans-1,2-Dichloroethene	2.770	96	2402	0.194	ug/L	77
19) 1,1-Dichloroethane	3.198	63	4416	0.194	ug/L	95
21) 2-Butanone	4.008	43	4066m	1.887	ug/L	
22) cis-1,2-Dichloroethene	3.912	96	2561	0.195	ug/L	92
23) Bromochloromethane	4.265	128	900	0.177	ug/L #	86
25) Chloroform	4.375	83	8240	0.347	ug/L	91

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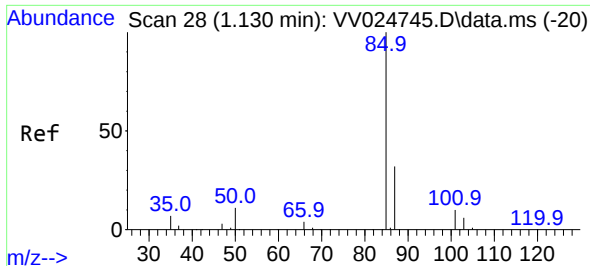
Quant Time: Feb 19 00:52:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR021722WMA.M
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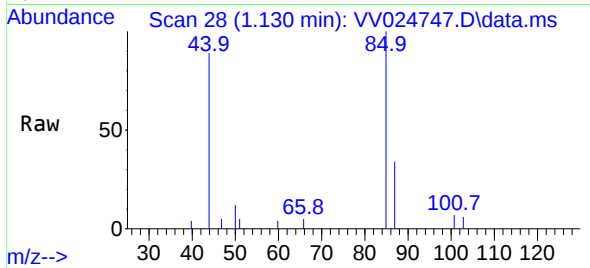
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.140	62	2494	0.197	ug/L #	73
29) 1,1,1-Trichloroethane	4.612	97	3932	0.196	ug/L	95
30) Cyclohexane	4.674	56	3814	0.188	ug/L	88
31) Carbon tetrachloride	4.825	117	3191	0.189	ug/L	99
33) Benzene	5.101	78	9183	0.182	ug/L	100
34) Trichloroethene	5.921	95	2715	0.203	ug/L	93
35) Methylcyclohexane	6.124	83	4367	0.202	ug/L	98
37) 1,2-Dichloropropane	6.178	63	2498	0.209	ug/L #	86
38) Bromodichloromethane	6.519	83	2927	0.195	ug/L	91
39) cis-1,3-Dichloropropene	7.037	75	3089	0.187	ug/L	100
40) 4-Methyl-2-pentanone	7.233	43	9737	1.714	ug/L #	86
42) Toluene	7.390	91	12460	0.232	ug/L	98
44) trans-1,3-Dichloropropene	7.667	75	2176	0.164	ug/L	98
45) 1,1,2-Trichloroethane	7.844	97	1450	0.187	ug/L	97
47) Tetrachloroethene	7.976	164	1848	0.203	ug/L	91
48) 2-Hexanone	8.143	43	16067	4.024	ug/L	98
49) Dibromochloromethane	8.252	129	1381	0.160	ug/L	99
50) 1,2-Dibromoethane	8.355	107	1097	0.155	ug/L #	98
51) Chlorobenzene	8.886	112	6421	0.191	ug/L	98
52) Ethylbenzene	9.017	91	10632	0.181	ug/L	96
53) m,p-xylene	9.140	106	3857	0.174	ug/L	91
54) o-xylene	9.545	106	3596	0.166	ug/L	98
55) Styrene	9.567	104	5974	0.169	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.239	83	1678	0.204	ug/L #	90
59) Bromoform	9.731	173	459	0.136	ug/L #	77
60) Isopropylbenzene	9.931	105	9693	0.176	ug/L	97
61) 1,2,3-Trichloropropane	10.275	75	1232	0.205	ug/L	92
62) 1,3,5-Trimethylbenzene	10.538	105	7775	0.170	ug/L	98
63) 1,2,4-Trimethylbenzene	10.914	105	7896	0.174	ug/L	95
64) 1,3-Dichlorobenzene	11.185	146	4390	0.189	ug/L	93
65) 1,4-Dichlorobenzene	11.275	146	4851	0.209	ug/L	91
67) 1,2-Dichlorobenzene	11.641	146	4152	0.203	ug/L #	87
68) 1,2-Dibromo-3-chloropr...	12.429	75	78	0.076	ug/L #	41
69) 1,3,5-Trichlorobenzene	12.648	180	3317	0.202	ug/L	95
70) 1,2,4-trichlorobenzene	13.265	180	2345	0.181	ug/L	92
71) Naphthalene	13.506	128	3881	0.176	ug/L	94
72) 1,2,3-Trichlorobenzene	13.744	180	1921	0.177	ug/L	98

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



#2
 Dichlorodifluoromethane
 Concen: 0.194 ug/L
 RT: 1.130 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VV024747.D
 Acq: 18 Feb 2022 12:36

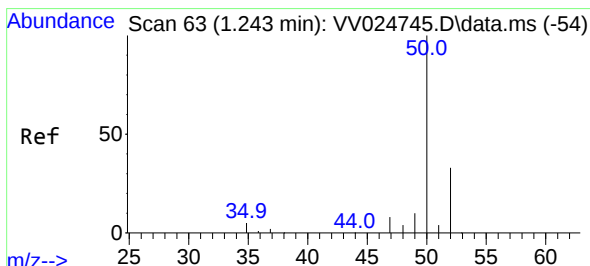
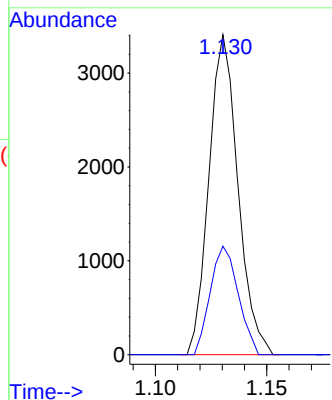
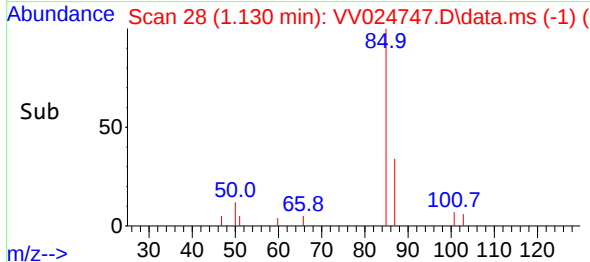
Instrument : MSVOA_V
 ClientSampleId :
 MDL-WATER-QT1-2022-01



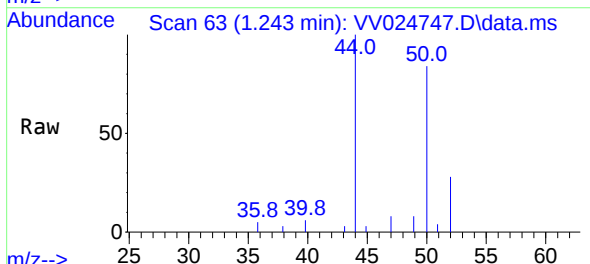
Tgt Ion: 85 Resp: 308
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.9 38.9

Manual Integrations
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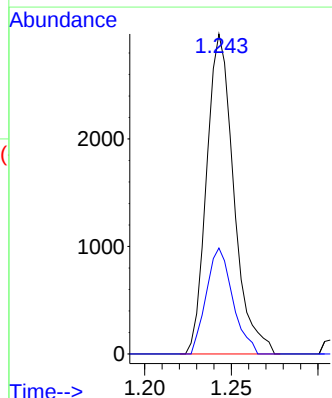
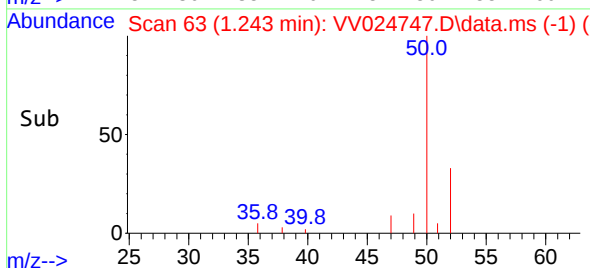
Reviewed By :John Carlone 02/22/2022
 Supervised By :Mahesh Dadoda 02/22/2022



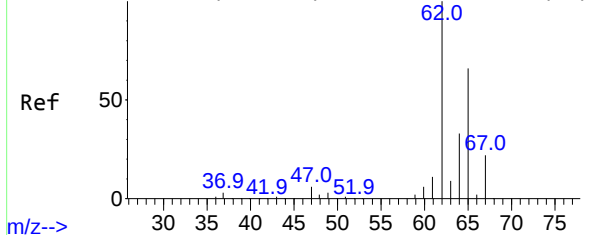
#3
 Chloromethane
 Concen: 0.204 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. -0.000 min
 Lab File: VV024747.D
 Acq: 18 Feb 2022 12:36



Tgt Ion: 50 Resp: 3239
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.3 43.3



Abundance Scan 84 (1.310 min): VV024745.D\data.ms (-76)



#5

Vinyl chloride

Concen: 0.209 ug/L

RT: 1.310 min Scan# 84

Delta R.T. -0.000 min

Lab File: VV024747.D

Acq: 18 Feb 2022 12:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2022-01

Tgt Ion: 62 Resp: 364

Ion Ratio Lower Upper

62 100

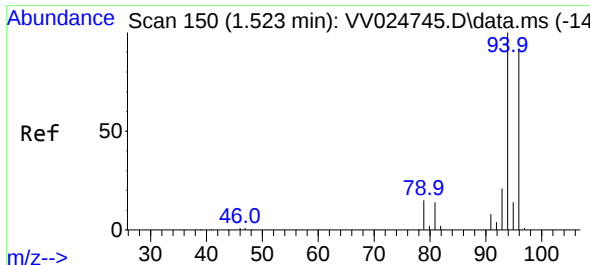
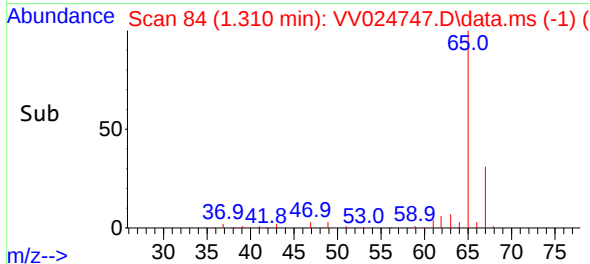
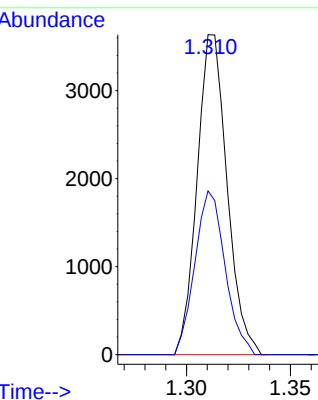
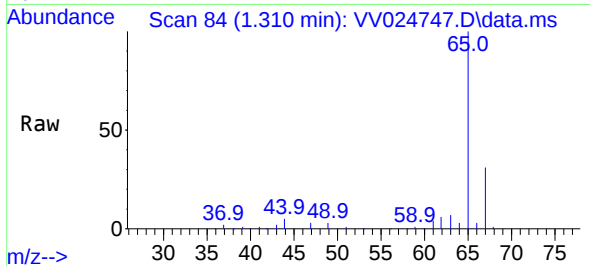
64 51.2 22.2 41.2

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Supervised By :Mahesh Dadoda 02/22/2022



#6

Bromomethane

Concen: 0.252 ug/L

RT: 1.523 min Scan# 150

Delta R.T. -0.000 min

Lab File: VV024747.D

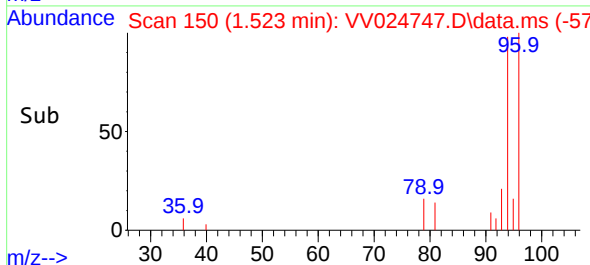
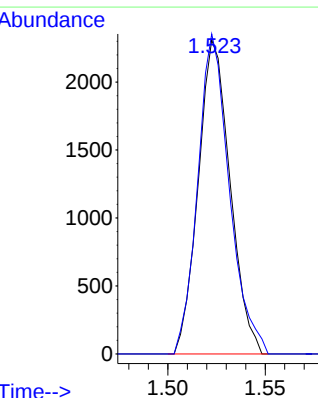
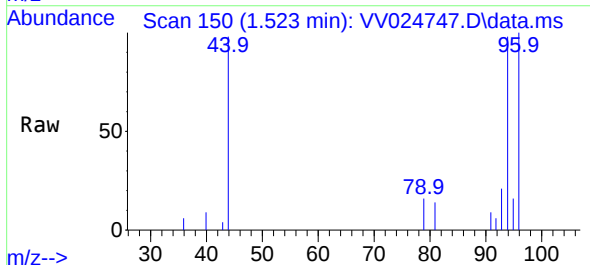
Acq: 18 Feb 2022 12:36

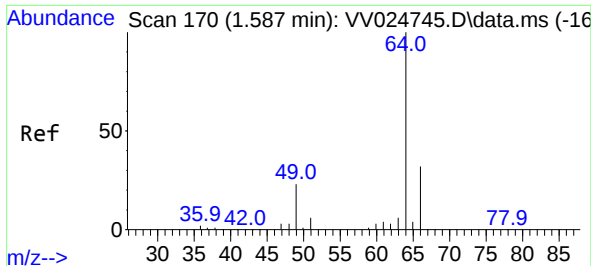
Tgt Ion: 94 Resp: 2625

Ion Ratio Lower Upper

94 100

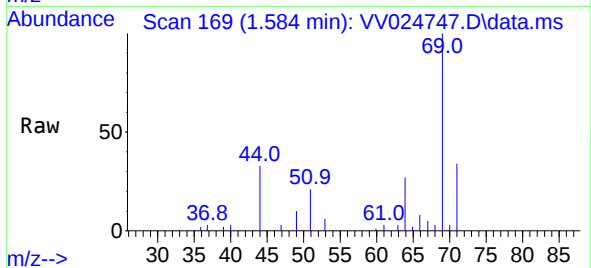
96 101.9 66.5 123.5





#8
Chloroethane
Concen: 0.221 ug/L
RT: 1.584 min Scan# 170
Delta R.T. -0.003 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

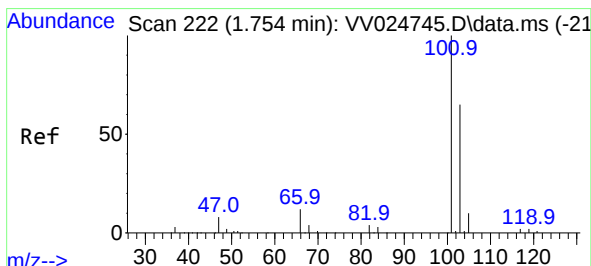
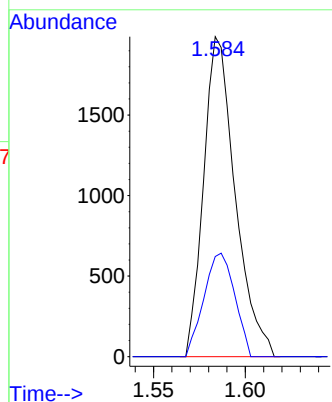
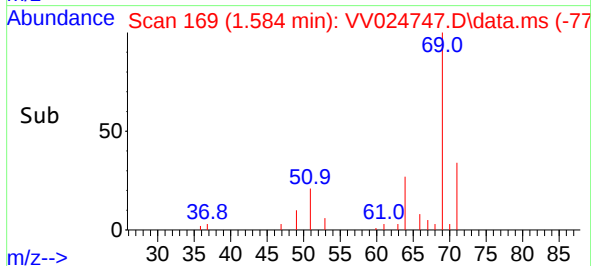
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-01



Tgt Ion: 64 Resp: 2370
Ion Ratio Lower Upper
64 100
66 31.3 22.5 41.9

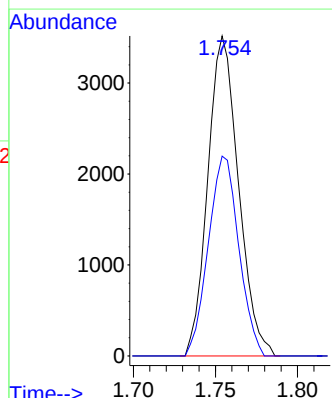
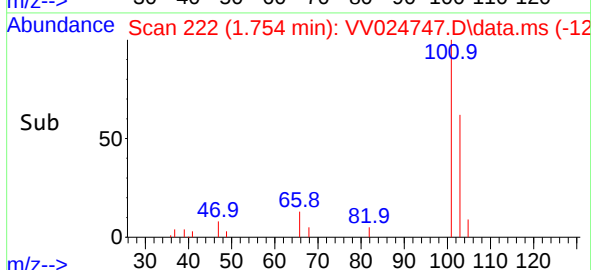
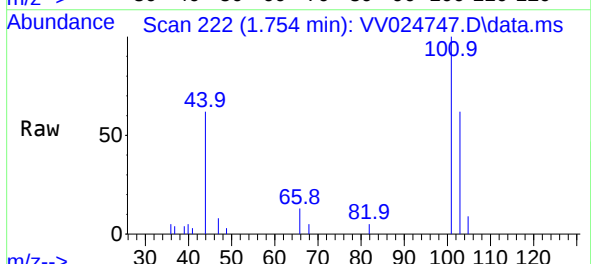
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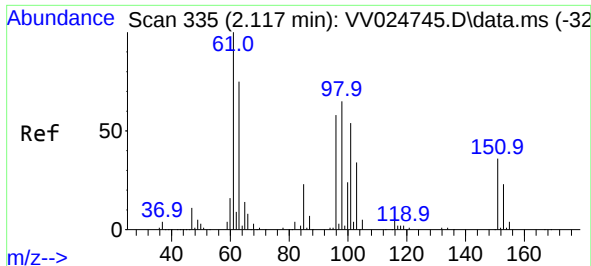
Reviewed By :John Carlone 02/22/2022
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#9
Trichlorofluoromethane
Concen: 0.200 ug/L
RT: 1.754 min Scan# 222
Delta R.T. -0.000 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

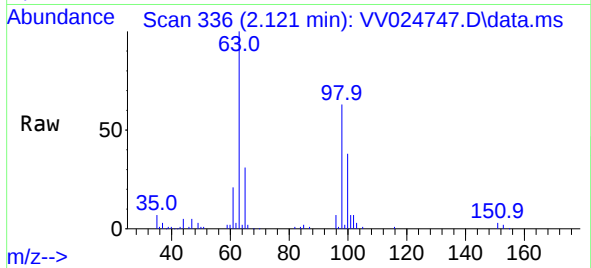
Tgt Ion:101 Resp: 4572
Ion Ratio Lower Upper
101 100
103 61.9 50.7 76.1





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.260 ug/L
RT: 2.121 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

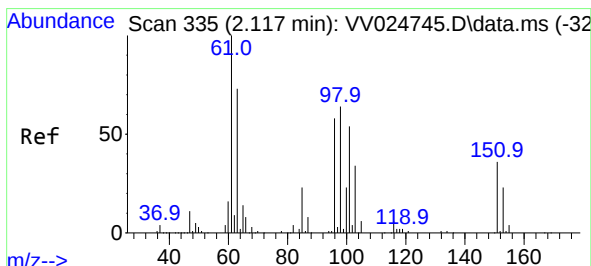
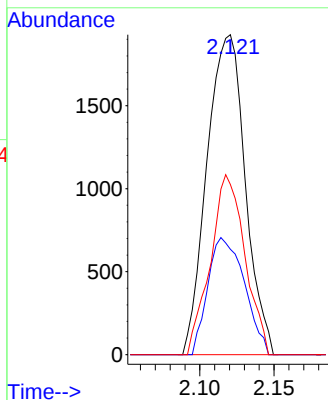
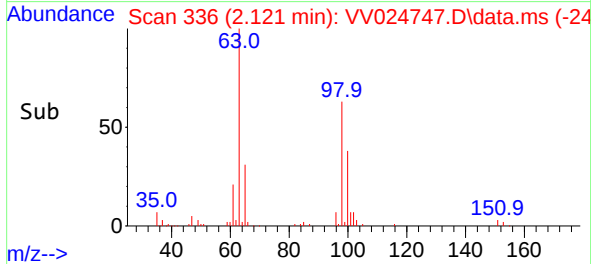
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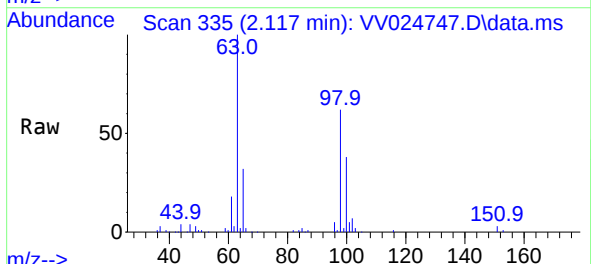
Tgt Ion:101 Resp: 345
Ion Ratio Lower Upper
101 100
85 35.0 34.7 52.1
151 50.7 53.5 80.3

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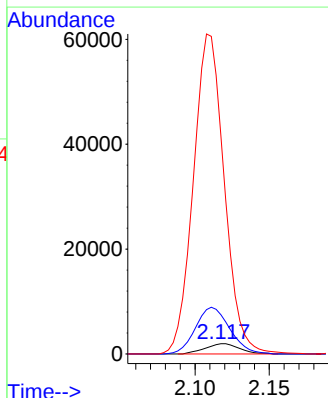
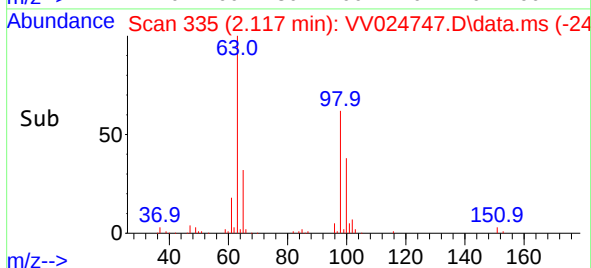
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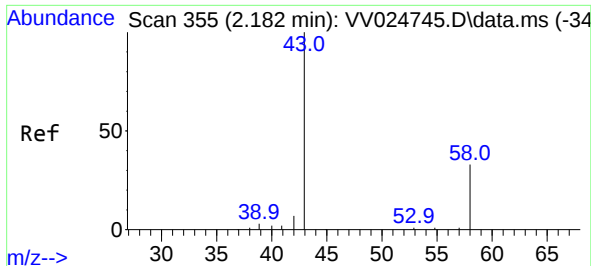


#12
1,1-Dichloroethene
Concen: 0.249 ug/L
RT: 2.117 min Scan# 335
Delta R.T. -0.000 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36



Tgt Ion: 96 Resp: 3162
Ion Ratio Lower Upper
96 100
61 381.2 116.3 216.1#
63 2119.1 86.0 159.6#





#13

Acetone

Concen: 2.213 ug/L

RT: 2.185 min Scan# 308

Delta R.T. 0.003 min

Lab File: VV024747.D

Acq: 18 Feb 2022 12:36

Instrument :

MSVOA_V

ClientSampleId :

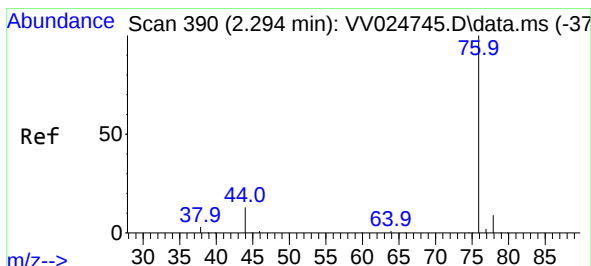
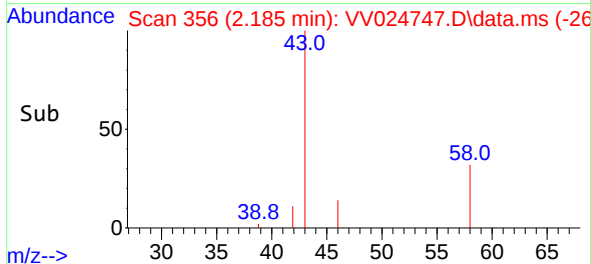
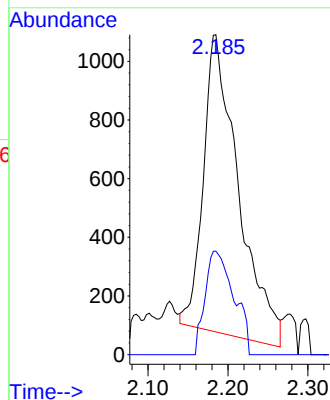
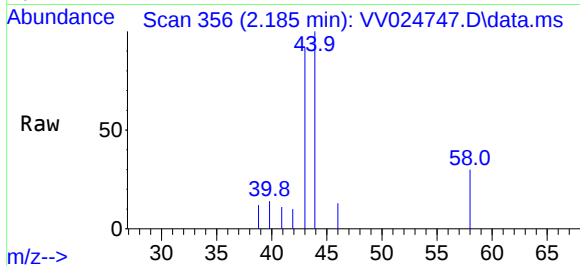
MDL-WATER-QT1-2022-01

Tgt Ion: 43 Resp: 3080
 Ion Ratio Lower Upper
 43 100
 58 28.5 0.0 63.6

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#14

Carbon disulfide

Concen: 0.182 ug/L

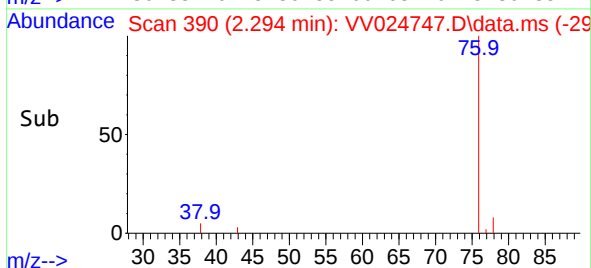
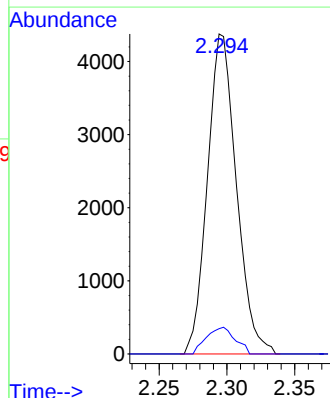
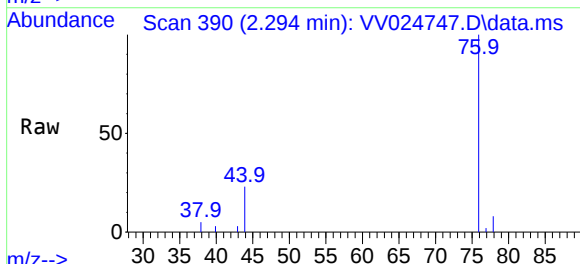
RT: 2.294 min Scan# 390

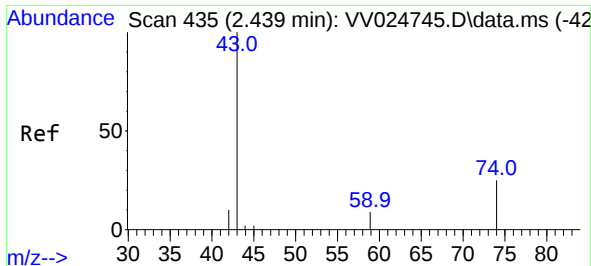
Delta R.T. -0.000 min

Lab File: VV024747.D

Acq: 18 Feb 2022 12:36

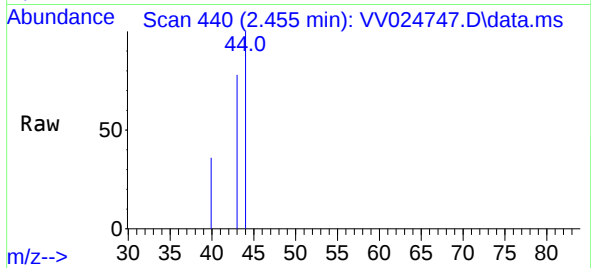
Tgt Ion: 76 Resp: 6498
 Ion Ratio Lower Upper
 76 100
 78 7.9 7.3 10.9





#15
Methyl Acetate
Concen: 0.202 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.016 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

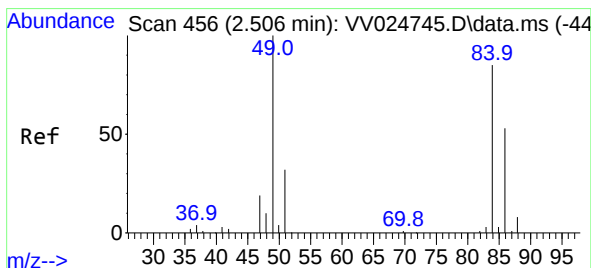
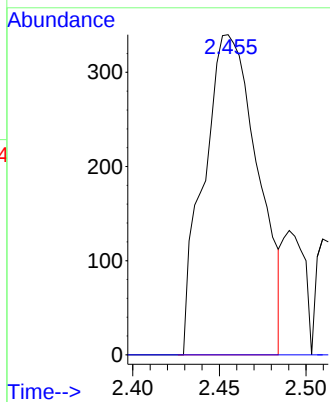
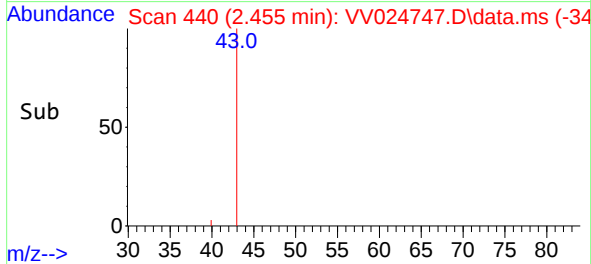
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-01



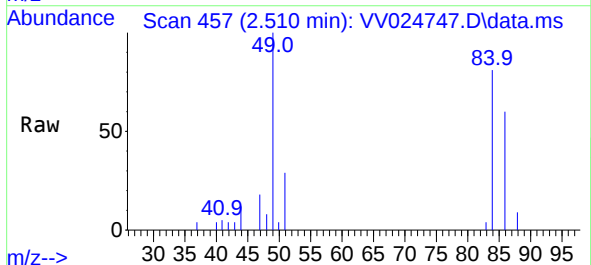
Tgt Ion: 43 Resp: 738
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2

Manual Integrations
APPROVED

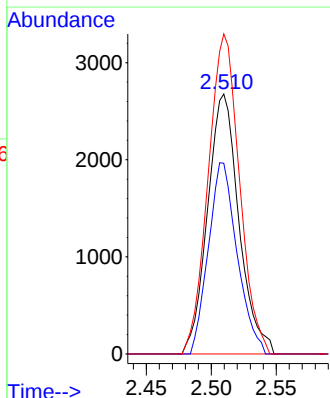
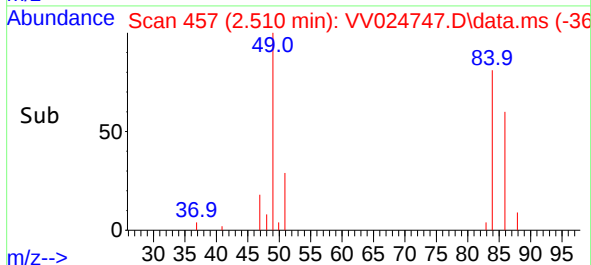
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/22/2022

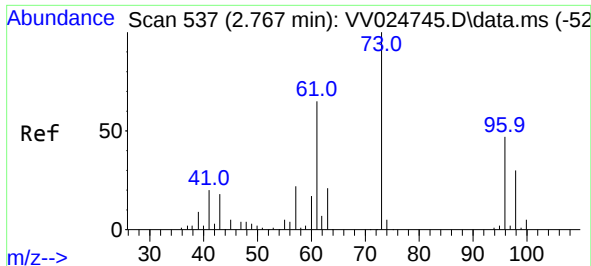


#16
Methylene chloride
Concen: 0.359 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.003 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36



Tgt Ion: 84 Resp: 4497
Ion Ratio Lower Upper
84 100
86 73.4 45.1 83.7
49 123.1 83.5 155.1





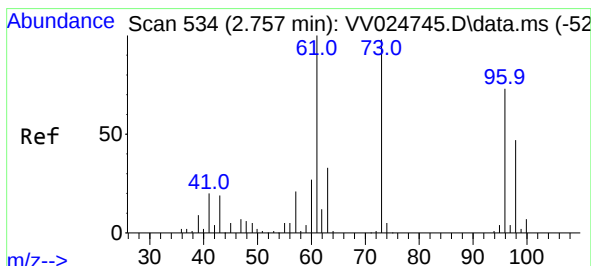
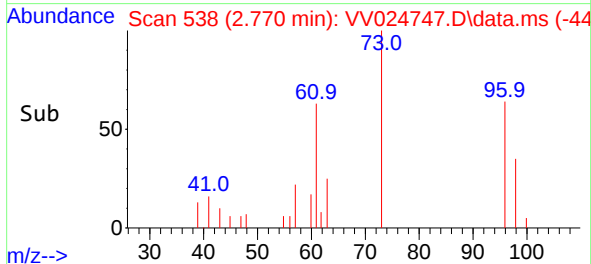
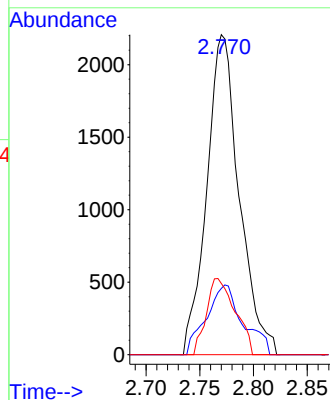
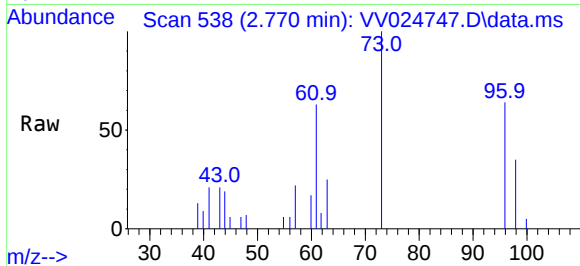
#17
Methyl tert-butyl Ether
Concen: 0.186 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-01

Tgt Ion: 73 Resp: 463
Ion Ratio Lower Upper
73 100
43 24.6 15.1 22.7
57 21.1 17.4 26.2

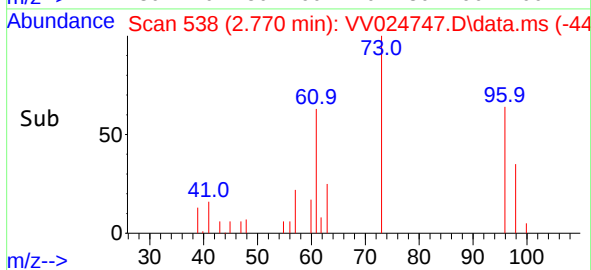
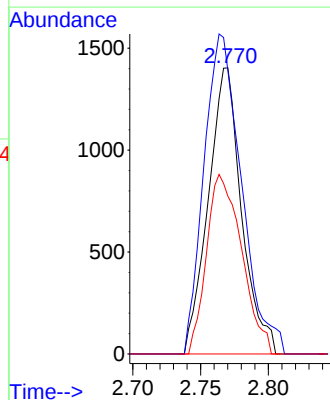
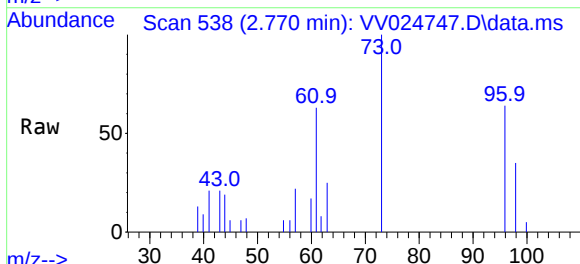
Manual Integrations
APPROVED

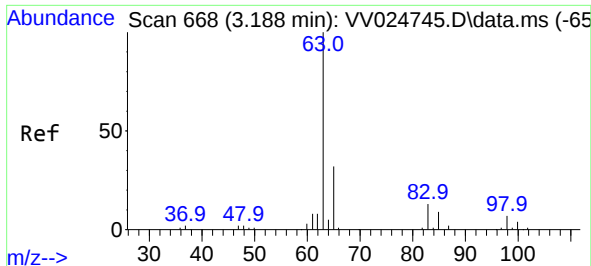
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/22/2022



#18
trans-1,2-Dichloroethene
Concen: 0.194 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.013 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

Tgt Ion: 96 Resp: 2402
Ion Ratio Lower Upper
96 100
61 99.0 92.9 172.5
98 55.1 44.5 82.7





#19

1,1-Dichloroethane

Concen: 0.194 ug/L

RT: 3.198 min Scan# 61

Delta R.T. 0.010 min

Lab File: VV024747.D

Acq: 18 Feb 2022 12:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2022-01

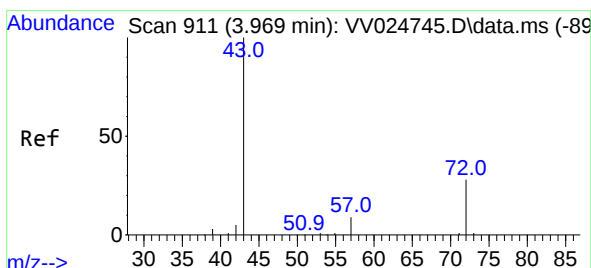
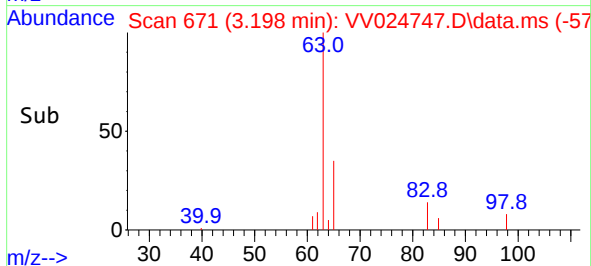
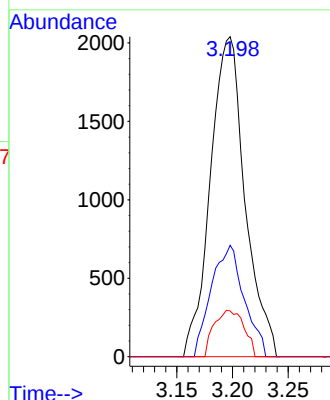
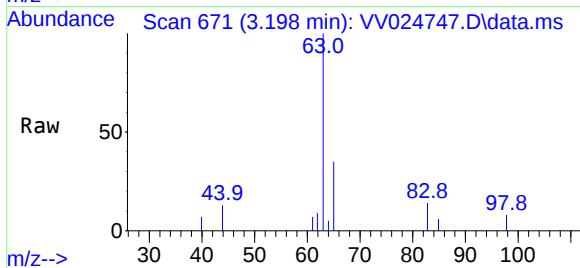
Tgt Ion: 63 Resp: 4410
 Ion Ratio Lower Upper
 63 100
 65 34.8 22.0 40.8
 83 14.3 9.5 17.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2022

Supervised By :Mahesh Dadoda 02/22/2022



#21

2-Butanone

Concen: 1.887 ug/L m

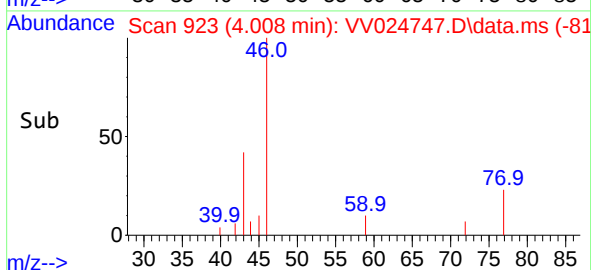
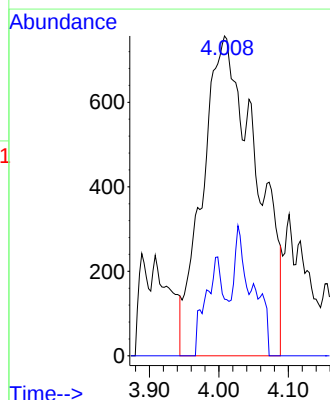
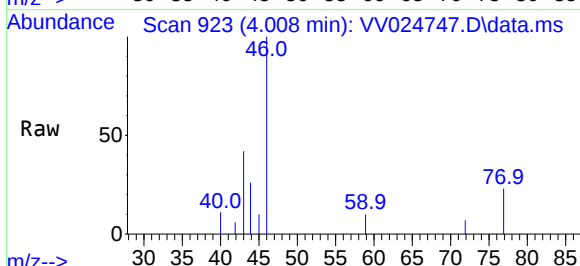
RT: 4.008 min Scan# 923

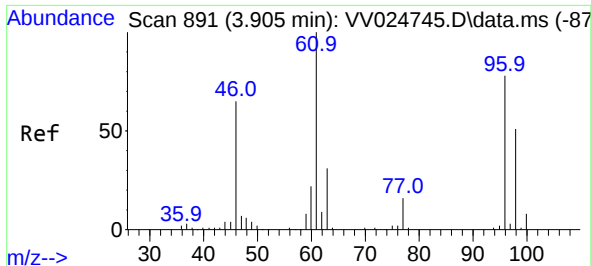
Delta R.T. 0.039 min

Lab File: VV024747.D

Acq: 18 Feb 2022 12:36

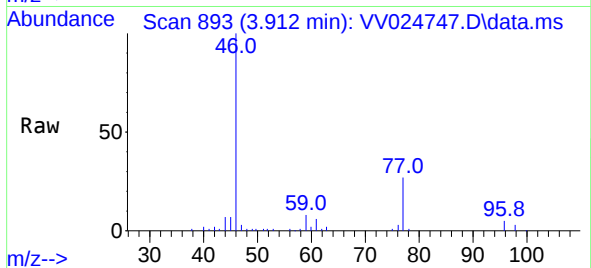
Tgt Ion: 43 Resp: 4066
 Ion Ratio Lower Upper
 43 100
 72 10.8 13.2 39.6#





#22
cis-1,2-Dichloroethene
Concen: 0.195 ug/L
RT: 3.912 min Scan# 891
Delta R.T. 0.006 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

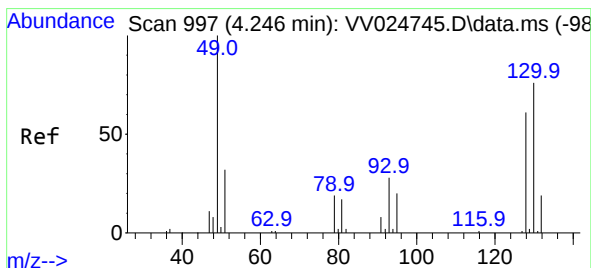
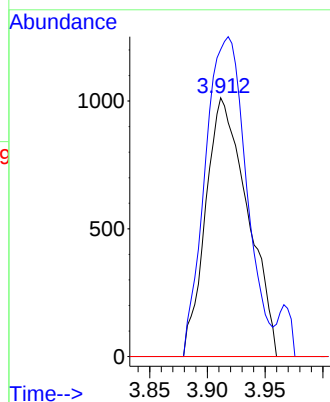
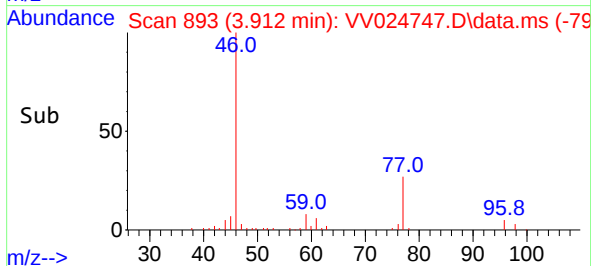
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-01



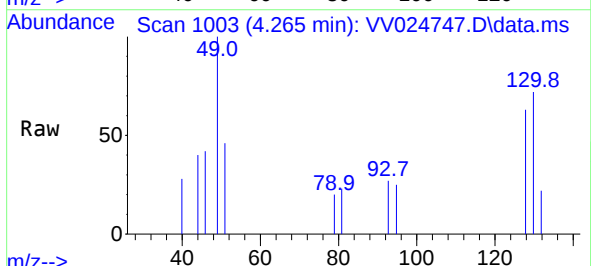
Tgt Ion: 96 Resp: 256
Ion Ratio Lower Upper
96 100
61 118.7 89.7 166.5
68 0.0 0.0 0.0

Manual Integrations
APPROVED

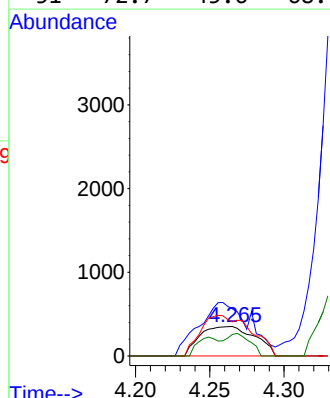
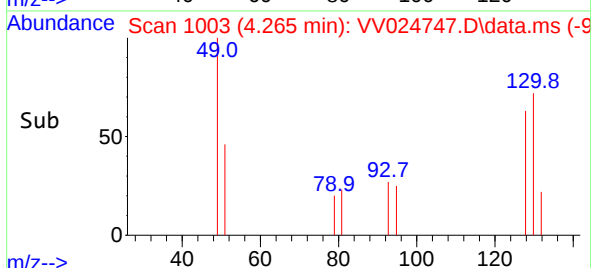
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/22/2022

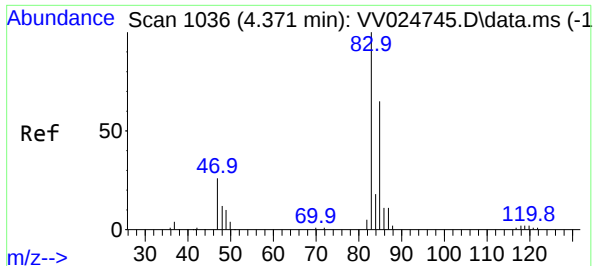


#23
Bromochloromethane
Concen: 0.177 ug/L
RT: 4.265 min Scan# 1003
Delta R.T. 0.019 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36



Tgt Ion:128 Resp: 900
Ion Ratio Lower Upper
128 100
49 159.7 124.2 230.6
130 115.6 92.1 171.1
51 72.7 45.6 68.4#





#25

Chloroform

Concen: 0.347 ug/L

RT: 4.375 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VV024747.D

Acq: 18 Feb 2022 12:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2022-01

Tgt Ion: 83 Resp: 8240

Ion Ratio Lower Upper

83 100

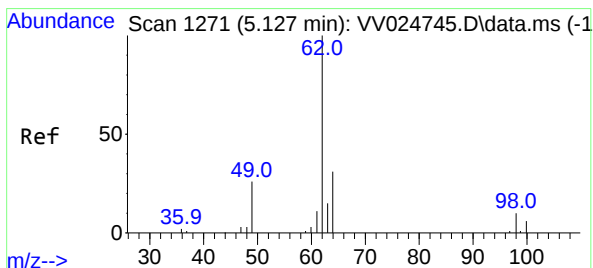
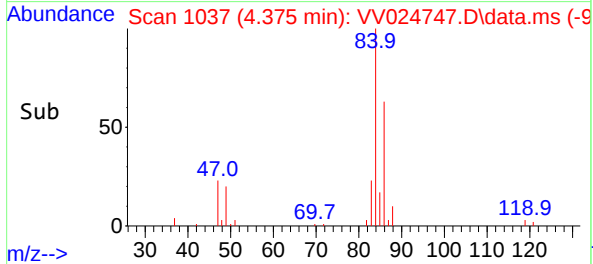
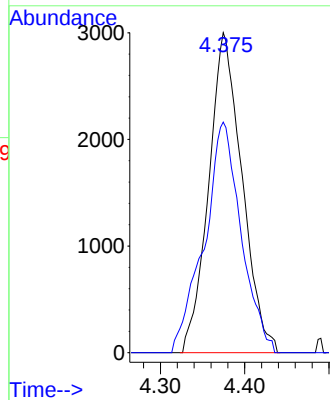
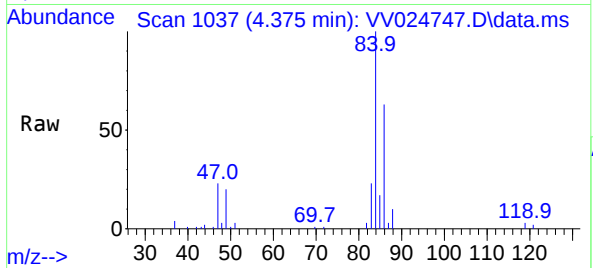
85 72.1 45.5 84.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2022

Supervised By :Mahesh Dadoda 02/22/2022



#27

1,2-Dichloroethane

Concen: 0.197 ug/L

RT: 5.140 min Scan# 1275

Delta R.T. 0.013 min

Lab File: VV024747.D

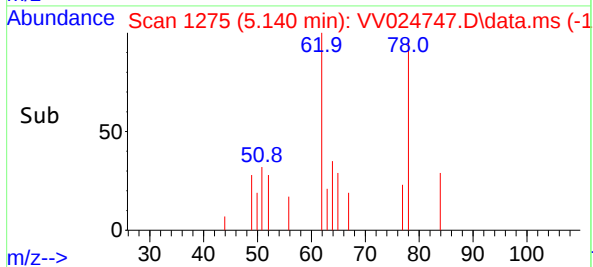
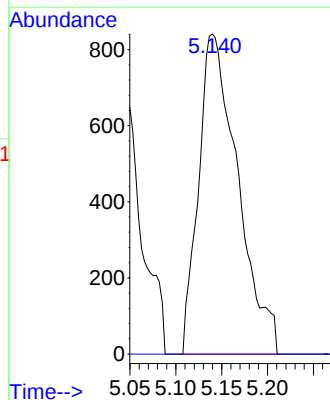
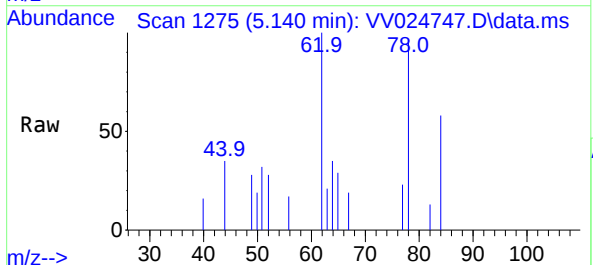
Acq: 18 Feb 2022 12:36

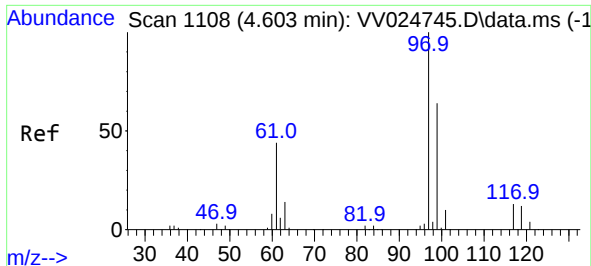
Tgt Ion: 62 Resp: 2494

Ion Ratio Lower Upper

62 100

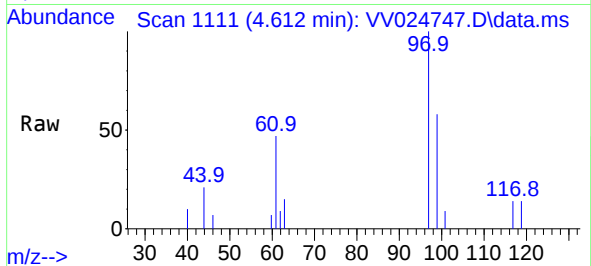
98 0.0 8.2 12.2#





#29
1,1,1-Trichloroethane
Concen: 0.196 ug/L
RT: 4.612 min Scan# 1111
Delta R.T. 0.010 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

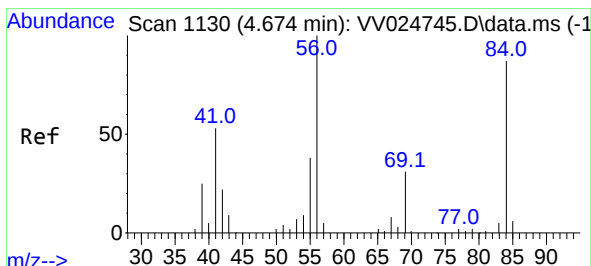
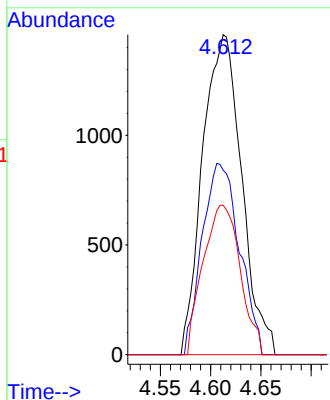
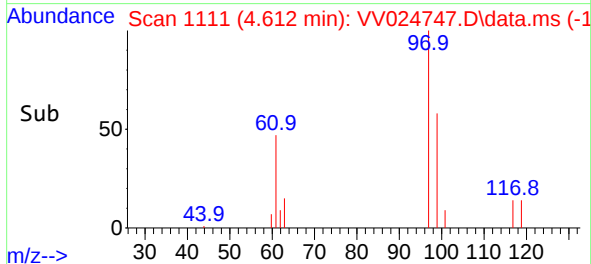
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-01



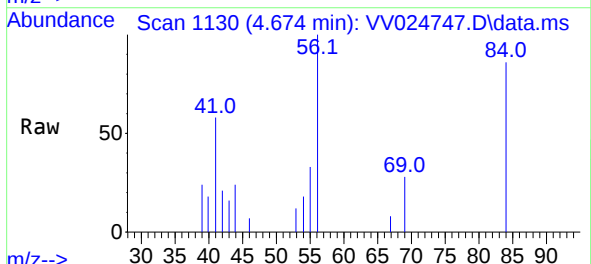
Tgt Ion: 97 Resp: 393
Ion Ratio Lower Upper
97 100
99 57.1 50.5 75.7
61 44.6 35.8 53.6

Manual Integrations
APPROVED

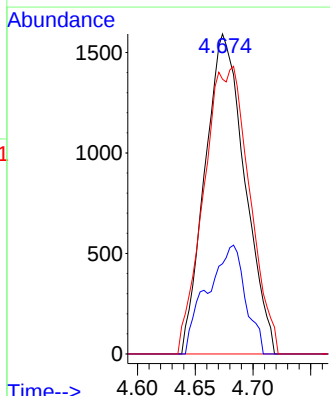
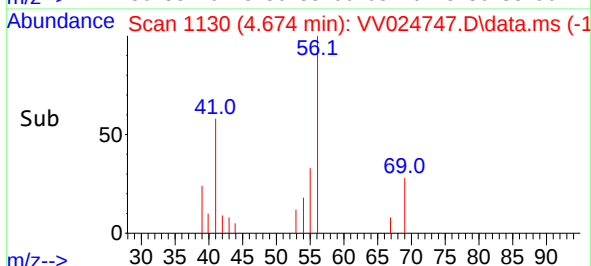
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/22/2022

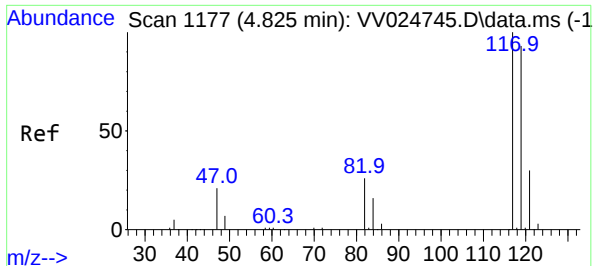


#30
Cyclohexane
Concen: 0.188 ug/L
RT: 4.674 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36



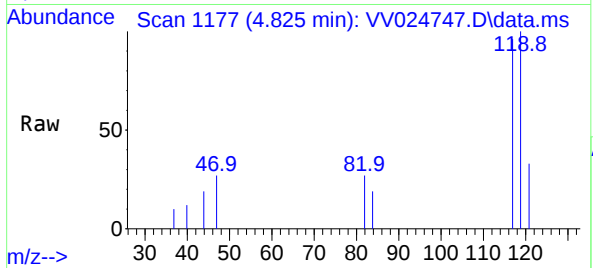
Tgt Ion: 56 Resp: 3814
Ion Ratio Lower Upper
56 100
69 32.5 24.6 37.0
84 102.8 71.4 107.0





#31
Carbon tetrachloride
Concen: 0.189 ug/L
RT: 4.825 min Scan# 1177
Delta R.T. -0.000 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

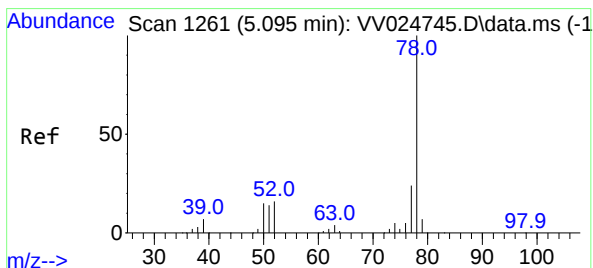
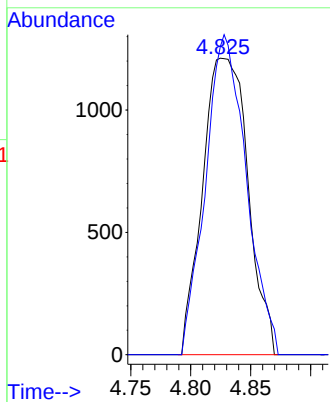
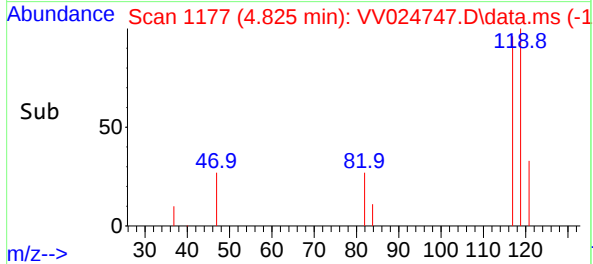
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-01



Tgt Ion:117 Resp: 319
Ion Ratio Lower Upper
117 100
119 96.6 76.6 115.0

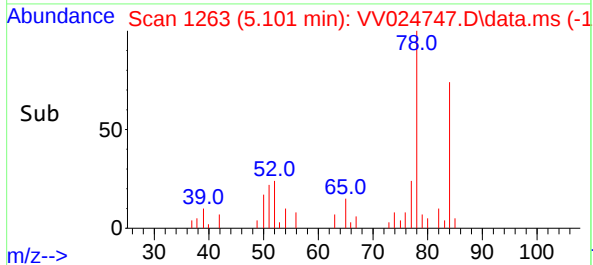
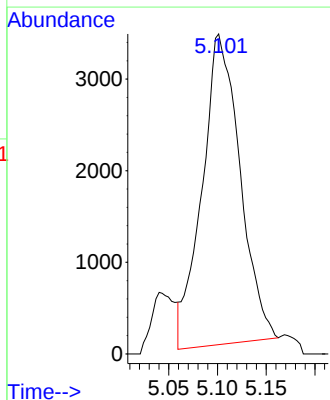
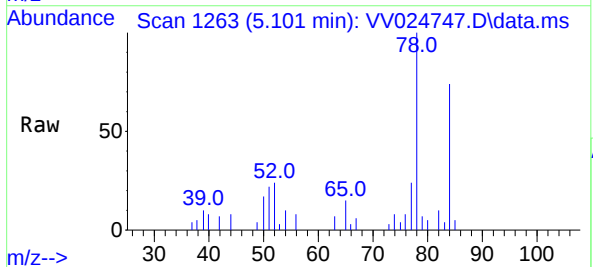
Manual Integrations
APPROVED

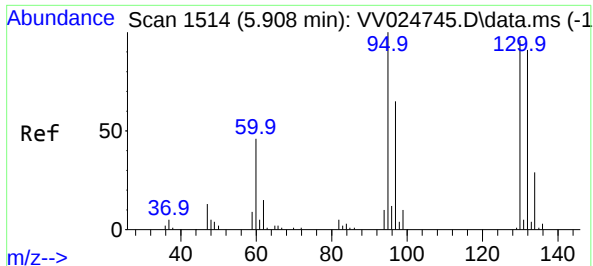
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/22/2022



#33
Benzene
Concen: 0.182 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.006 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

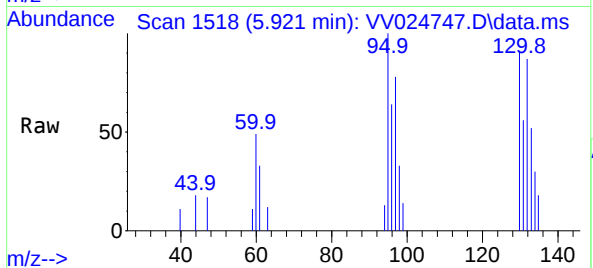
Tgt Ion: 78 Resp: 9183





#34
Trichloroethene
Concen: 0.203 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. 0.013 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

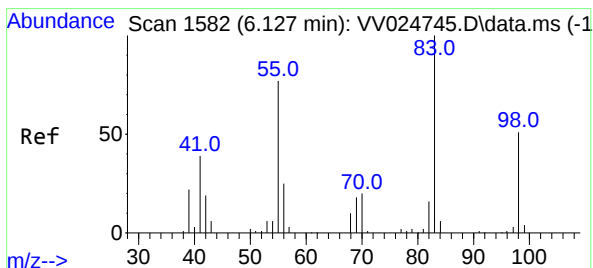
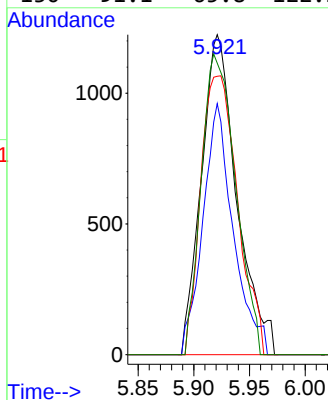
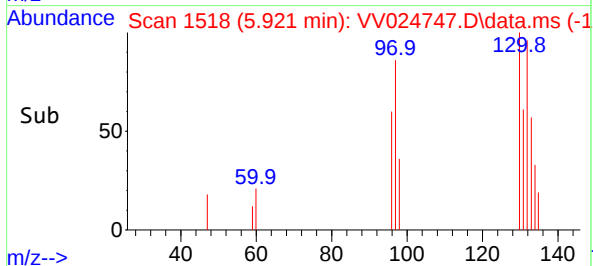
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-01



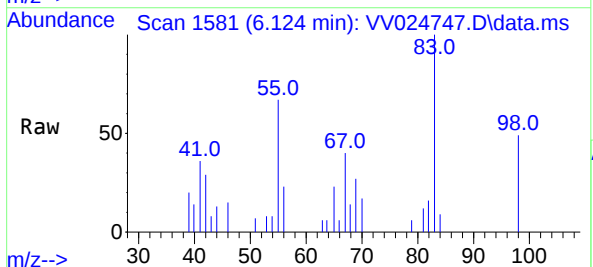
Tgt Ion: 95 Resp: 2715
Ion Ratio Lower Upper
95 100
97 78.4 44.2 82.0
132 87.0 62.1 115.3
130 91.1 65.8 122.2

Manual Integrations
APPROVED

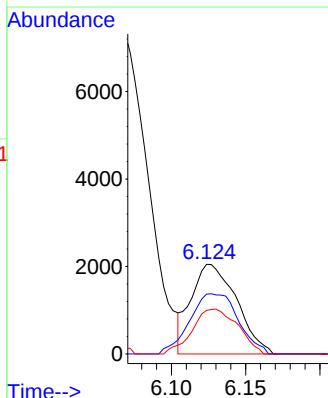
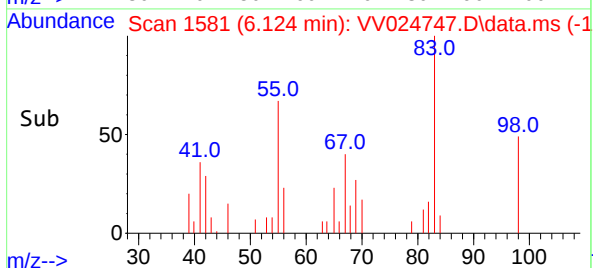
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/22/2022

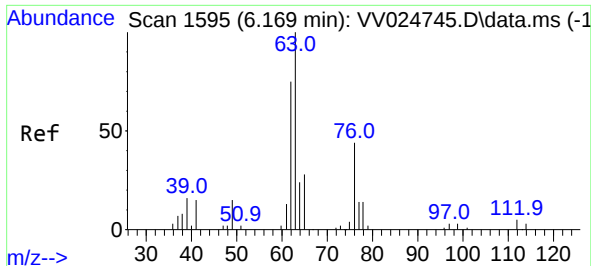


#35
Methylcyclohexane
Concen: 0.202 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. -0.003 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36



Tgt Ion: 83 Resp: 4367
Ion Ratio Lower Upper
83 100
55 71.6 58.8 88.2
98 50.1 38.6 58.0





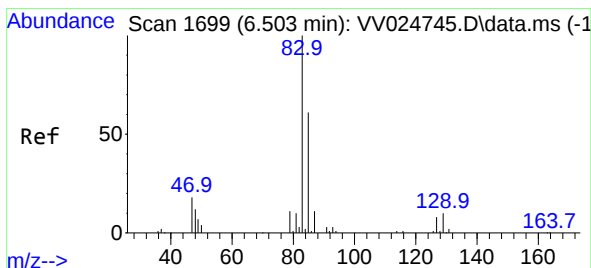
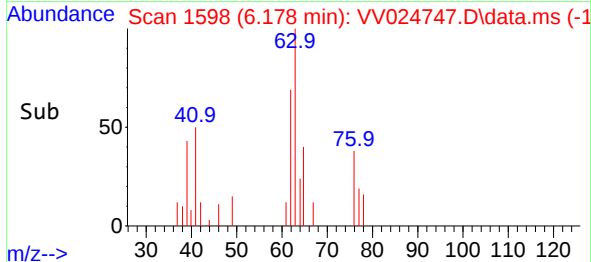
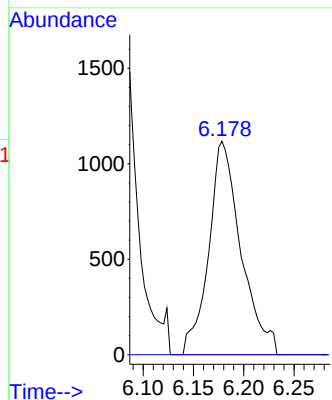
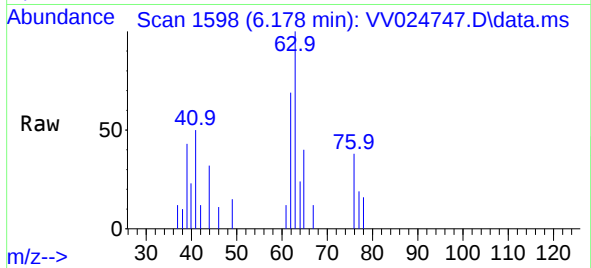
#37
1,2-Dichloropropane
Concen: 0.209 ug/L
RT: 6.178 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-01

Tgt Ion: 63 Resp: 2498
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6

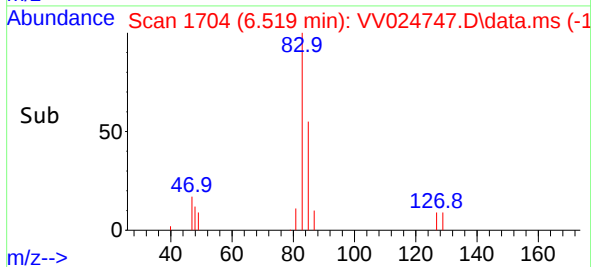
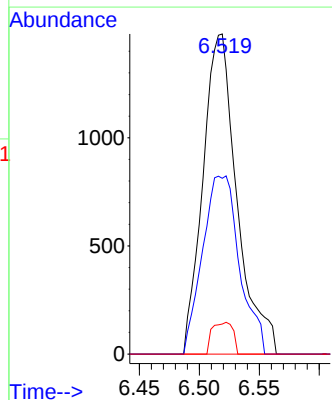
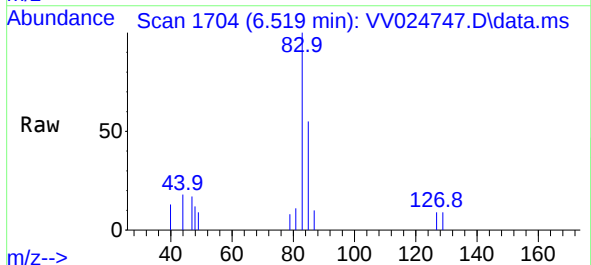
Manual Integrations
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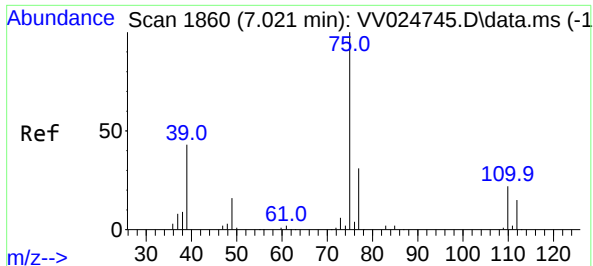
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/22/2022



#38
Bromodichloromethane
Concen: 0.195 ug/L
RT: 6.519 min Scan# 1704
Delta R.T. 0.016 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

Tgt Ion: 83 Resp: 2927
Ion Ratio Lower Upper
83 100
85 54.9 43.5 80.9
127 9.4 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 0.187 ug/L

RT: 7.037 min Scan# 11

Delta R.T. 0.016 min

Lab File: VV024747.D

Acq: 18 Feb 2022 12:36

Instrument :

MSVOA_V

ClientSampleId :

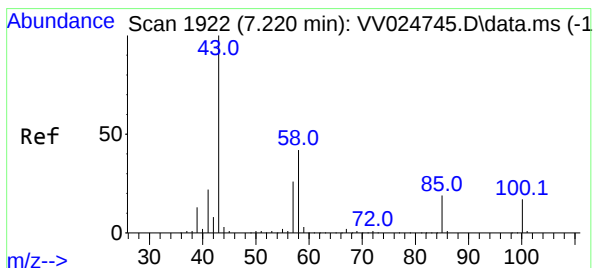
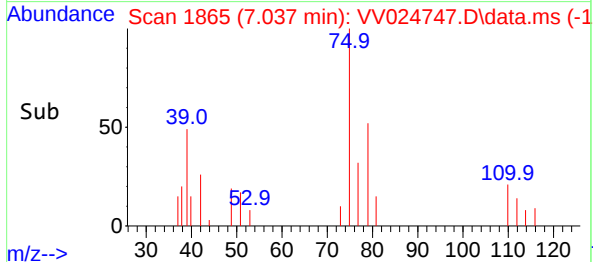
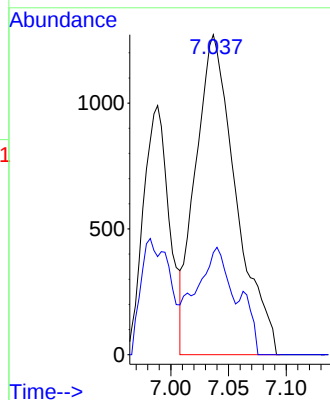
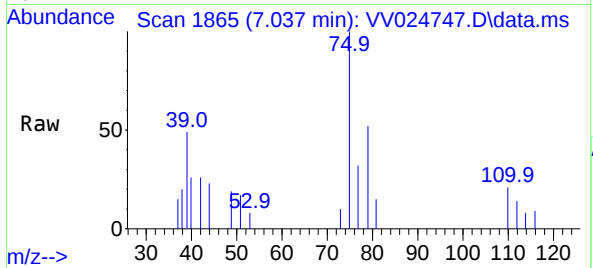
MDL-WATER-QT1-2022-01

Tgt Ion: 75 Resp: 3089
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5

Manual Integrations

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Reviewed By :John Carlone 02/22/2022
 Supervised By :Mahesh Dadoda 02/22/2022



#40

4-Methyl-2-pentanone

Concen: 1.714 ug/L

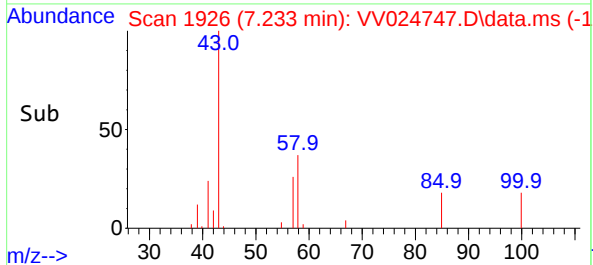
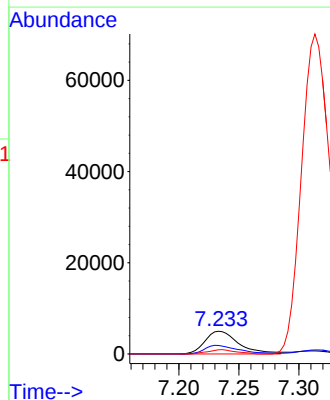
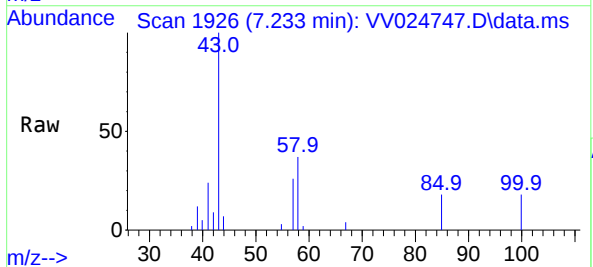
RT: 7.233 min Scan# 1926

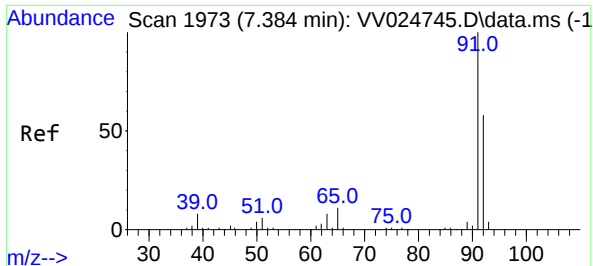
Delta R.T. 0.013 min

Lab File: VV024747.D

Acq: 18 Feb 2022 12:36

Tgt Ion: 43 Resp: 9737
 Ion Ratio Lower Upper
 43 100
 58 38.3 33.0 49.6
 100 0.0 13.3 19.9#





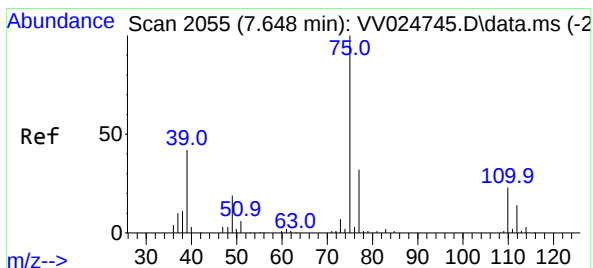
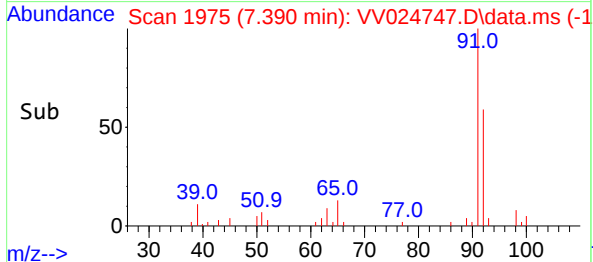
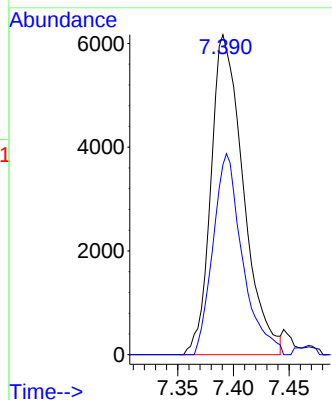
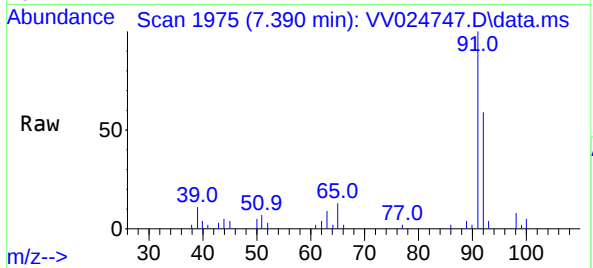
#42
Toluene
Concen: 0.232 ug/L
RT: 7.390 min Scan# 1973
Delta R.T. 0.006 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-01

Tgt Ion: 91 Resp: 12460
Ion Ratio Lower Upper
91 100
92 59.3 40.3 74.9

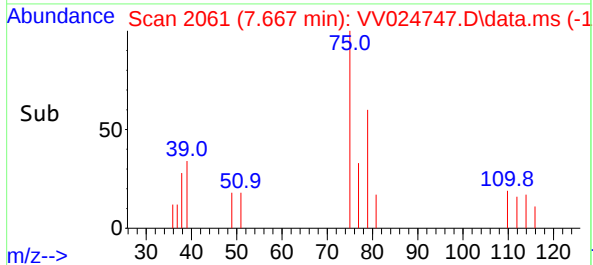
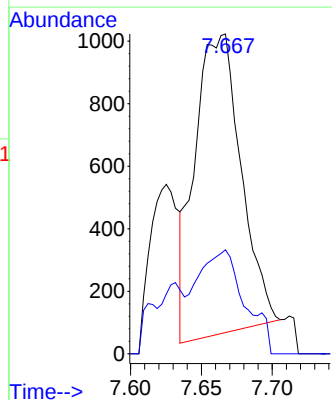
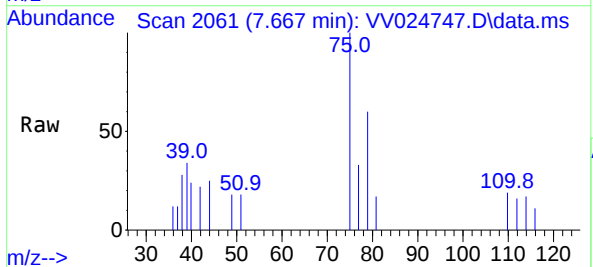
Manual Integrations
APPROVED

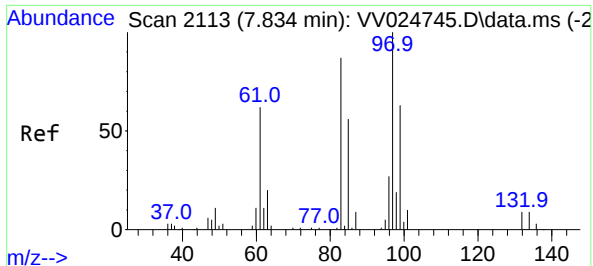
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/22/2022



#44
trans-1,3-Dichloropropene
Concen: 0.164 ug/L
RT: 7.667 min Scan# 2061
Delta R.T. 0.019 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

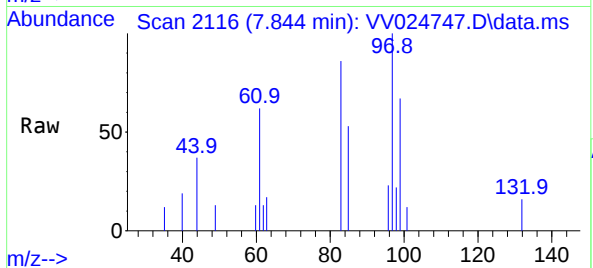
Tgt Ion: 75 Resp: 2176
Ion Ratio Lower Upper
75 100
77 32.6 23.5 43.7





#45
1,1,2-Trichloroethane
Concen: 0.187 ug/L
RT: 7.844 min Scan# 2113
Delta R.T. 0.010 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-01

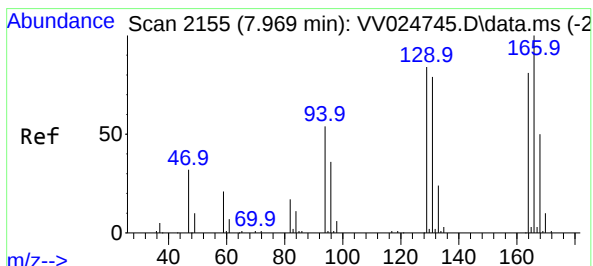
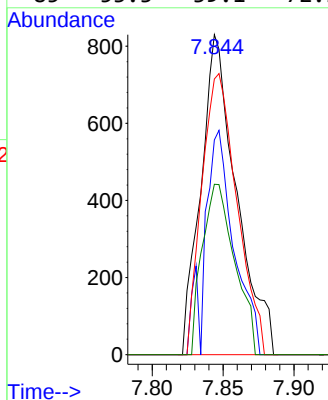
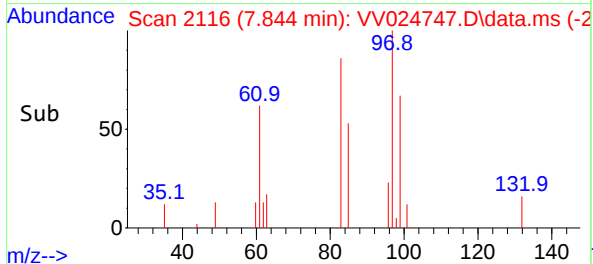


Tgt Ion: 97 Resp: 1450

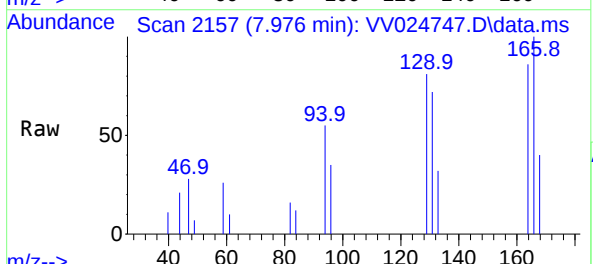
Ion	Ratio	Lower	Upper
97	100		
99	67.1	43.8	81.3
83	86.1	61.3	113.9
85	53.3	39.1	72.5

Manual Integrations
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Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/22/2022

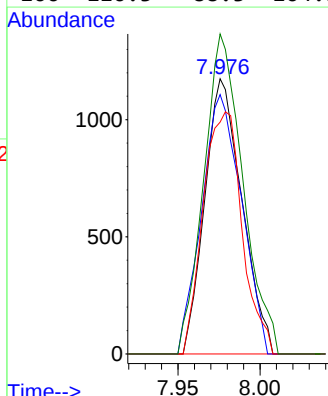
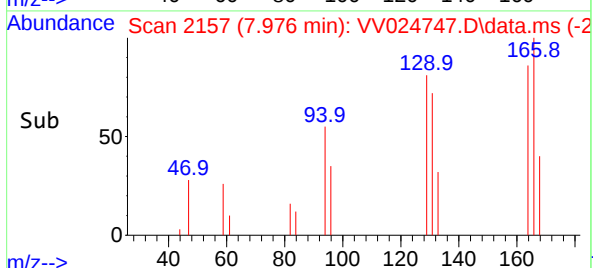


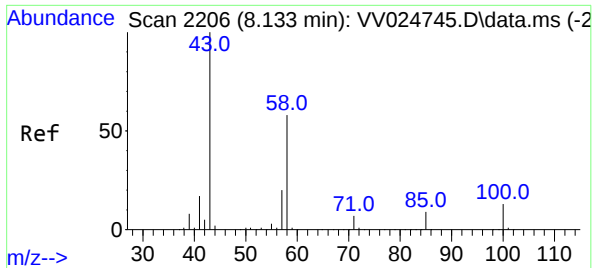
#47
Tetrachloroethene
Concen: 0.203 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.006 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36



Tgt Ion:164 Resp: 1848

Ion	Ratio	Lower	Upper
164	100		
129	94.2	70.3	130.7
131	84.3	67.7	125.7
166	116.3	88.3	164.1





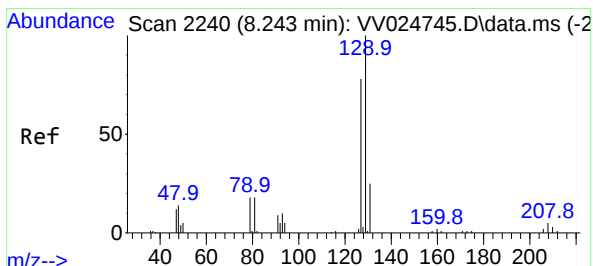
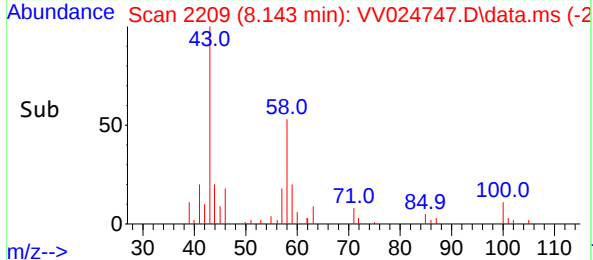
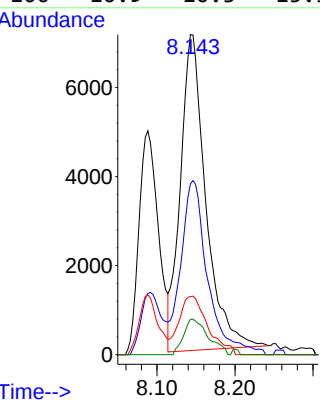
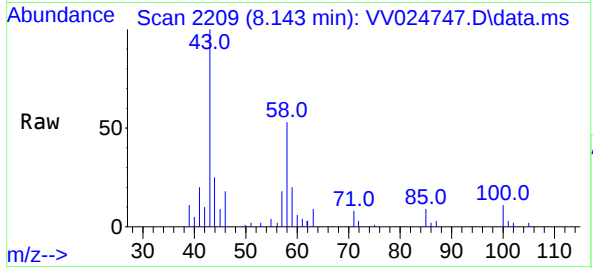
#48
2-Hexanone
Concen: 4.024 ug/L
RT: 8.143 min Scan# 2106
Delta R.T. 0.010 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-01

Tgt Ion: 43 Resp: 1606
Ion Ratio Lower Upper
43 100
58 58.1 46.0 69.0
57 21.2 15.7 23.5
100 10.9 10.3 15.5

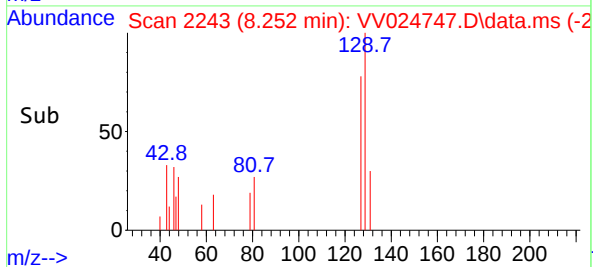
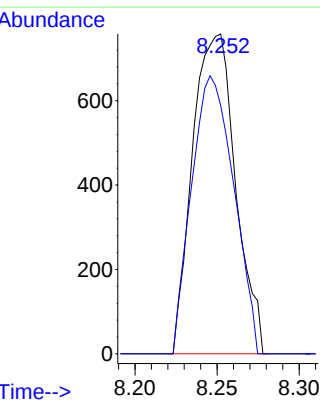
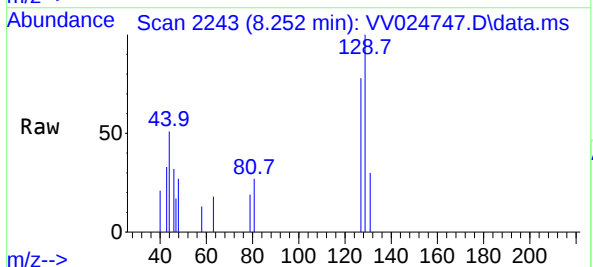
Manual Integrations
APPROVED

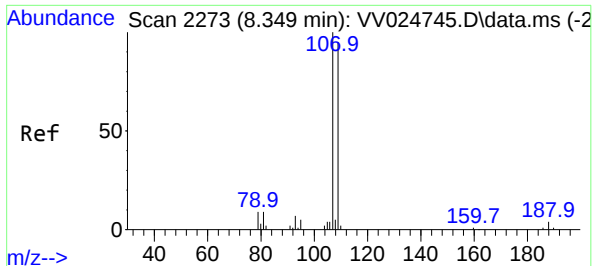
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/22/2022



#49
Dibromochloromethane
Concen: 0.160 ug/L
RT: 8.252 min Scan# 2243
Delta R.T. 0.010 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

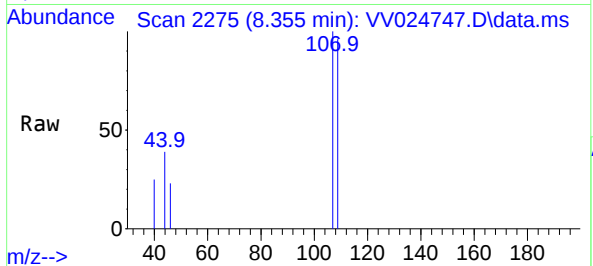
Tgt Ion:129 Resp: 1381
Ion Ratio Lower Upper
129 100
127 77.7 53.6 99.6





#50
1,2-Dibromoethane
Concen: 0.155 ug/L
RT: 8.355 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

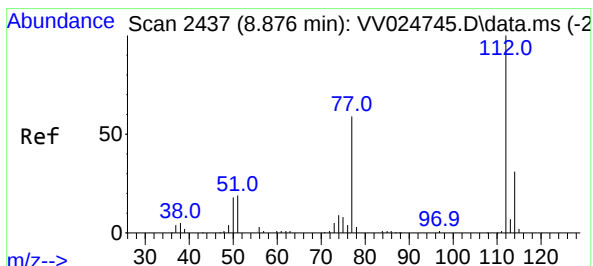
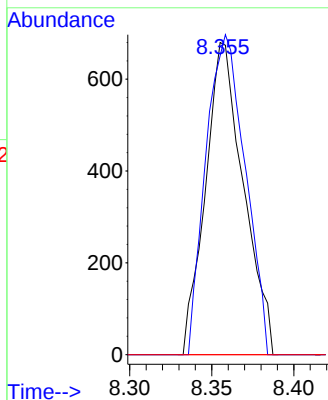
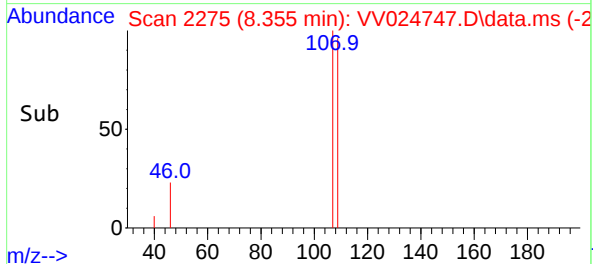
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-01



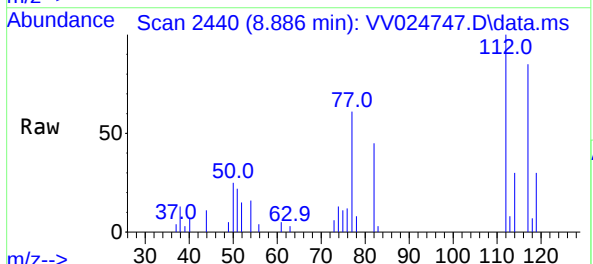
Tgt Ion:107 Resp: 109
Ion Ratio Lower Upper
107 100
109 95.7 65.6 121.8
188 0.0 2.6 3.8

Manual Integrations
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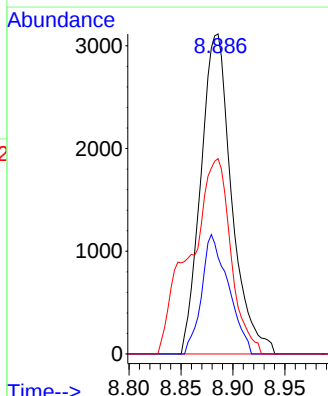
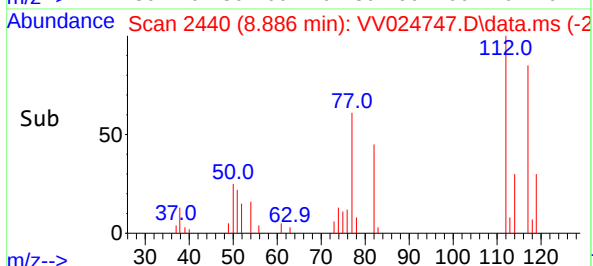
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/22/2022

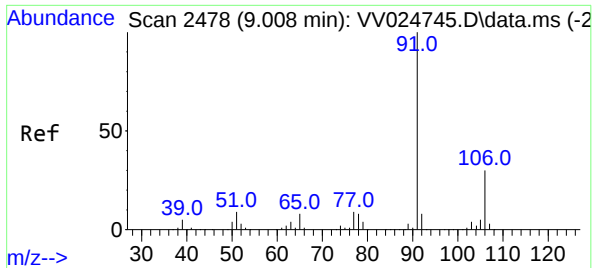


#51
Chlorobenzene
Concen: 0.191 ug/L
RT: 8.886 min Scan# 2440
Delta R.T. 0.010 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36



Tgt Ion:112 Resp: 6421
Ion Ratio Lower Upper
112 100
114 30.2 22.3 41.5
77 61.1 48.4 72.6





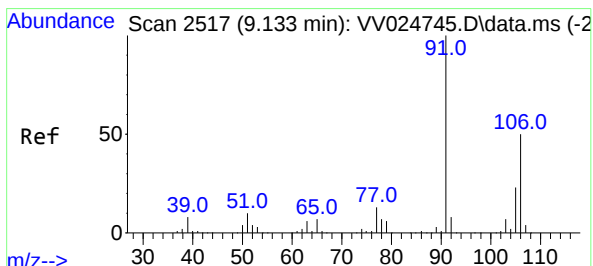
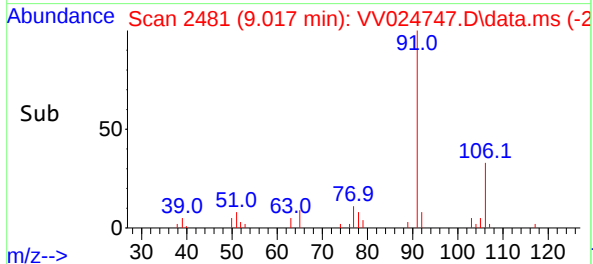
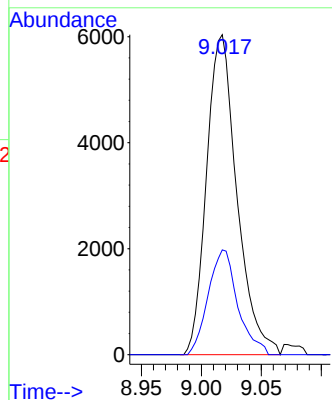
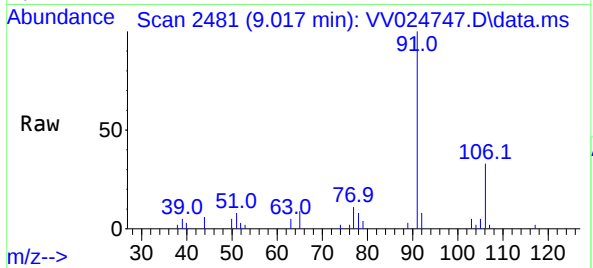
#52
Ethylbenzene
Concen: 0.181 ug/L
RT: 9.017 min Scan# 2481
Delta R.T. 0.010 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-01

Tgt Ion: 91 Resp: 1063
Ion Ratio Lower Upper
91 100
106 32.8 21.3 39.5

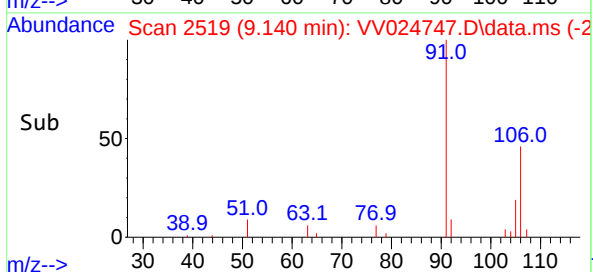
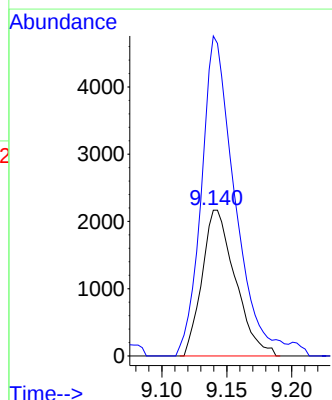
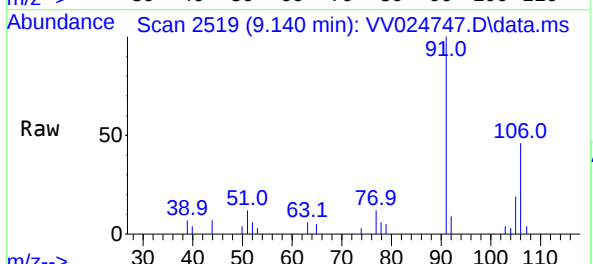
Manual Integrations
APPROVED

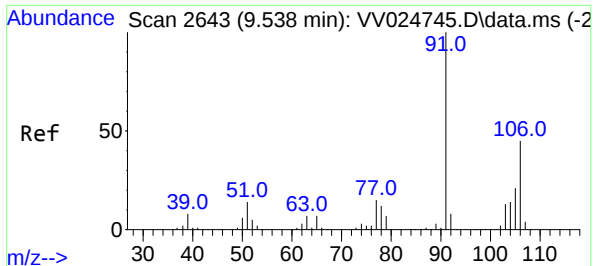
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/22/2022



#53
m,p-xylene
Concen: 0.174 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.006 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

Tgt Ion:106 Resp: 3857
Ion Ratio Lower Upper
106 100
91 219.5 143.6 266.6





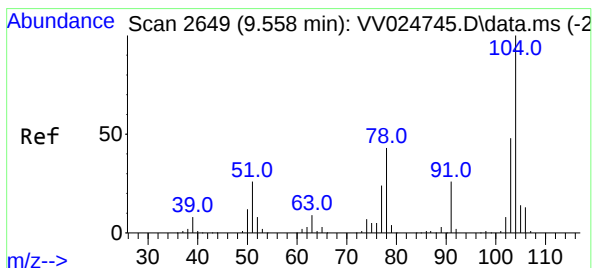
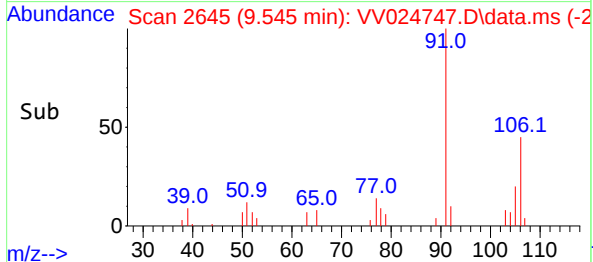
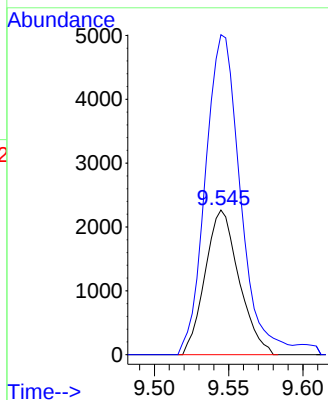
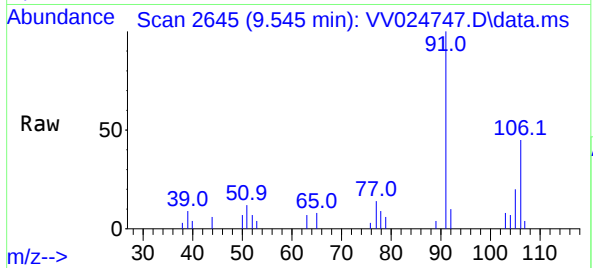
#54
o-xylene
Concen: 0.166 ug/L
RT: 9.545 min Scan# 2643
Delta R.T. 0.006 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-01

Tgt Ion:106 Resp: 3590
Ion Ratio Lower Upper
106 100
91 221.2 152.2 282.7

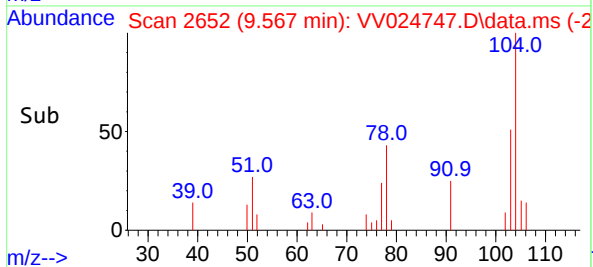
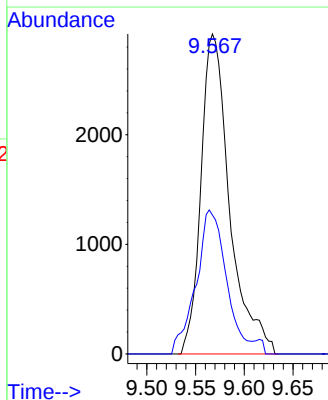
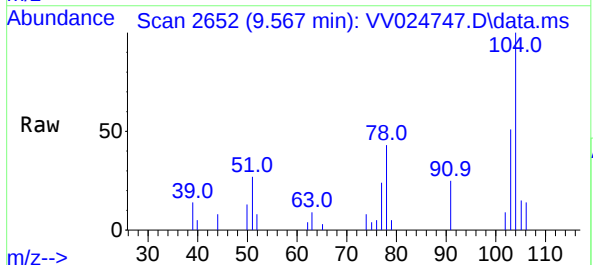
Manual Integrations
APPROVED

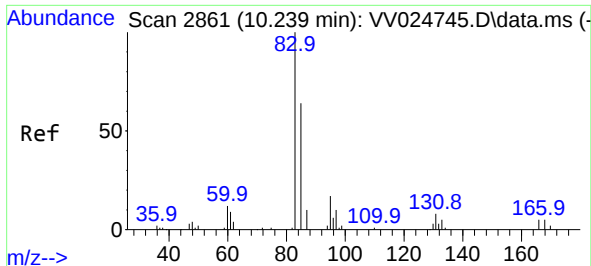
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/22/2022



#55
Styrene
Concen: 0.169 ug/L
RT: 9.567 min Scan# 2652
Delta R.T. 0.010 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

Tgt Ion:104 Resp: 5974
Ion Ratio Lower Upper
104 100
78 43.4 32.0 59.4





#57

1,1,2,2-Tetrachloroethane

Concen: 0.204 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. -0.000 min

Lab File: VV024747.D

Acq: 18 Feb 2022 12:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2022-01

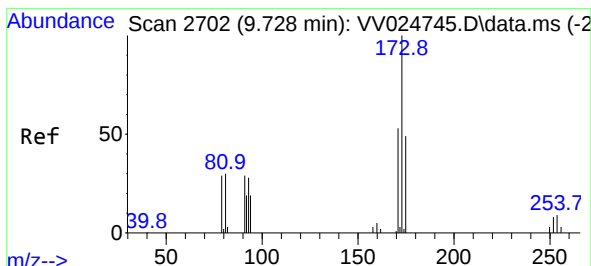
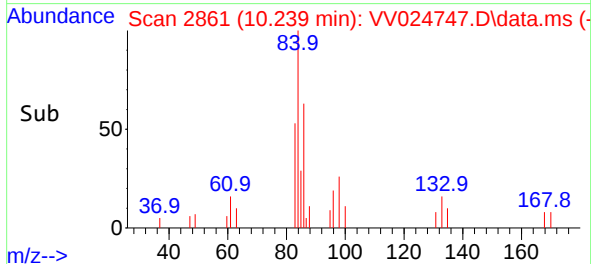
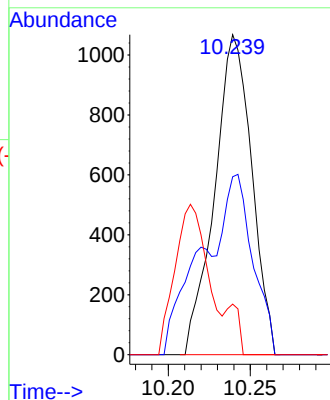
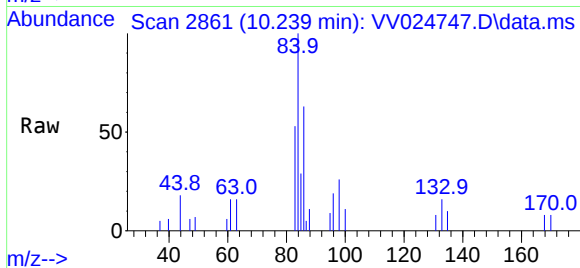
Tgt Ion:	83	Resp:	1678
Ion	Ratio	Lower	Upper
83	100		
85	55.6	43.9	81.5
131	15.8	7.0	10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2022

Supervised By :Mahesh Dadoda 02/22/2022



#59

Bromoform

Concen: 0.136 ug/L

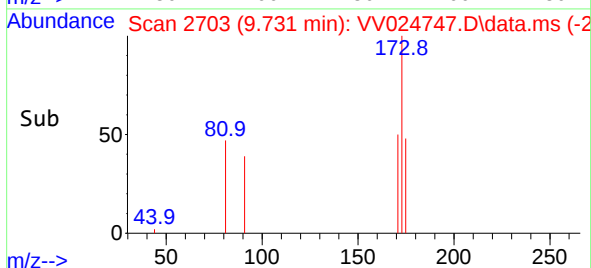
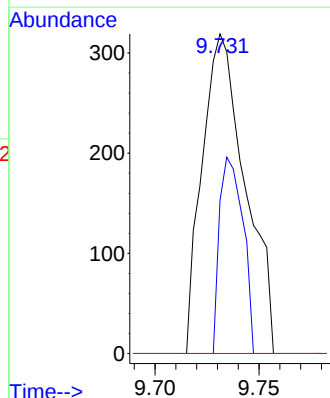
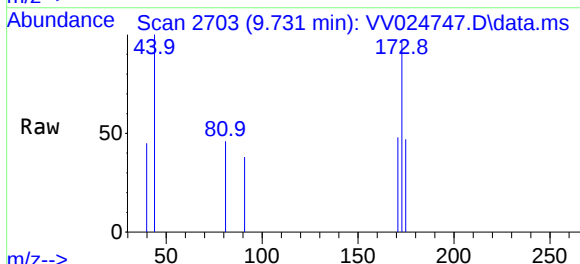
RT: 9.731 min Scan# 2703

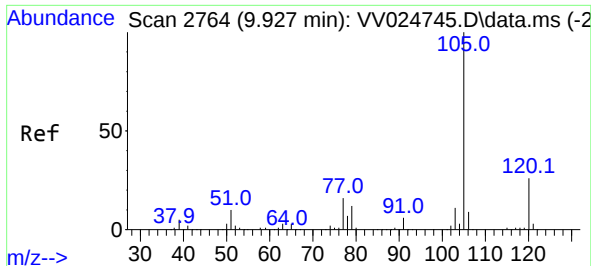
Delta R.T. 0.003 min

Lab File: VV024747.D

Acq: 18 Feb 2022 12:36

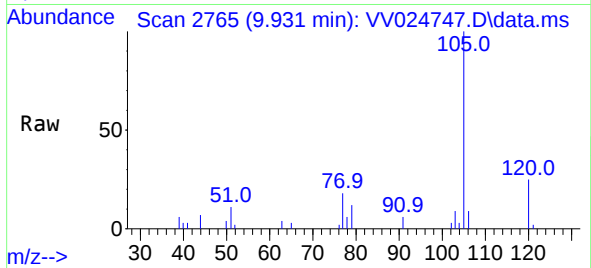
Tgt Ion:	173	Resp:	459
Ion	Ratio	Lower	Upper
173	100		
175	33.3	39.4	59.0#
254	0.0	7.0	10.4#





#60
Isopropylbenzene
Concen: 0.176 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-01

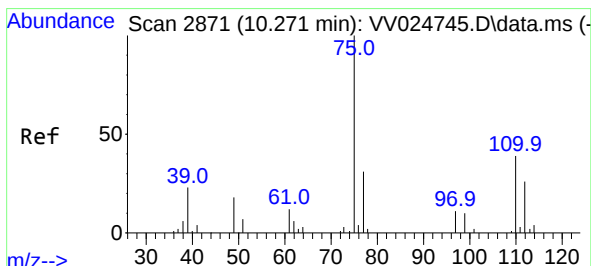
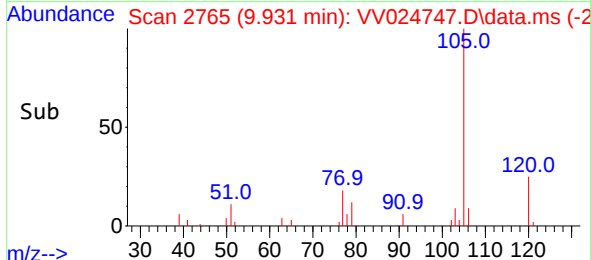
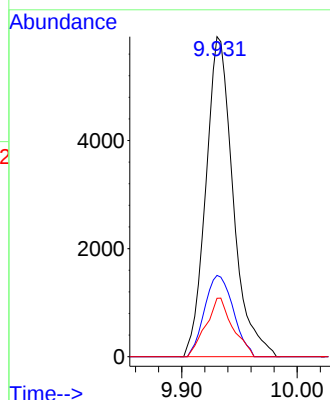


Tgt Ion: 105 Resp: 969

Ion	Ratio	Lower	Upper
105	100		
120	26.8	20.7	31.1
77	18.0	12.7	19.1

Manual Integrations
APPROVED

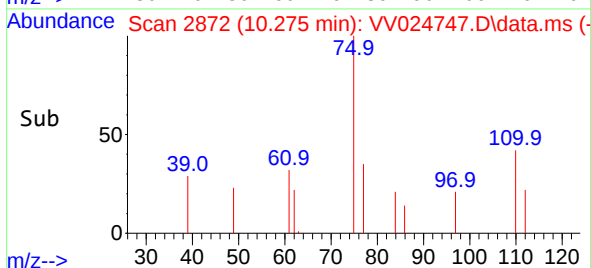
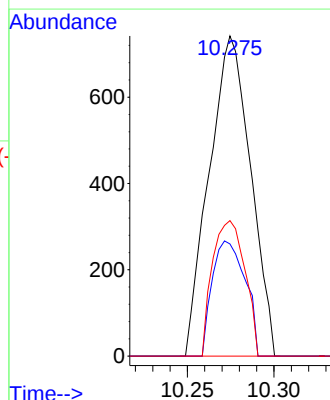
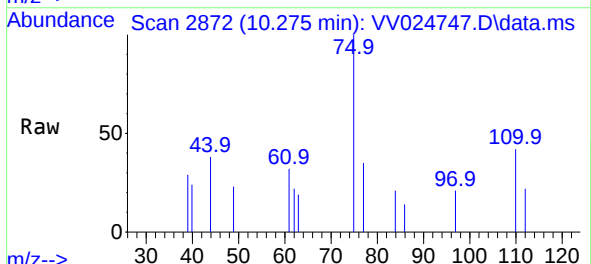
Reviewed By : John Carlone 02/22/2022
Supervised By : Mahesh Dadoda 02/22/2022

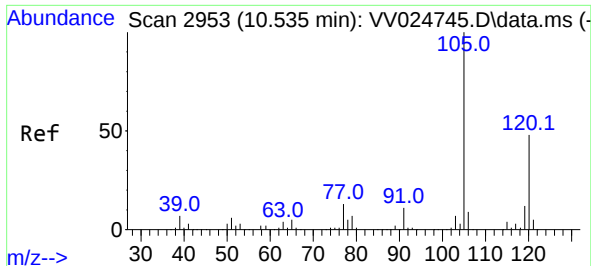


#61
1,2,3-Trichloropropane
Concen: 0.205 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.003 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

Tgt Ion: 75 Resp: 1232

Ion	Ratio	Lower	Upper
75	100		
77	28.6	26.3	39.5
110	33.1	30.3	45.5





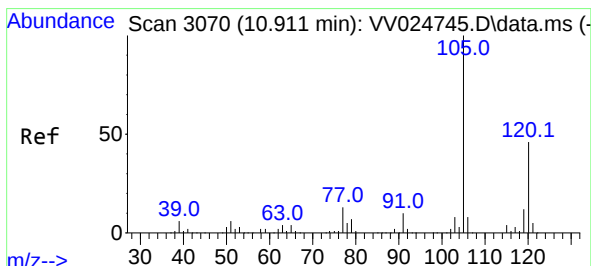
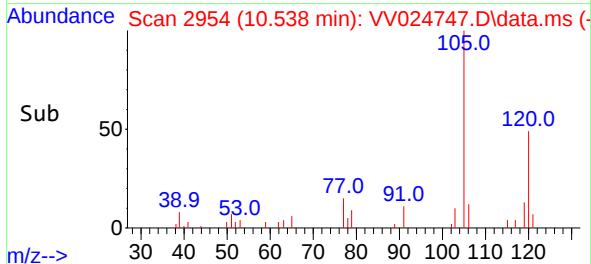
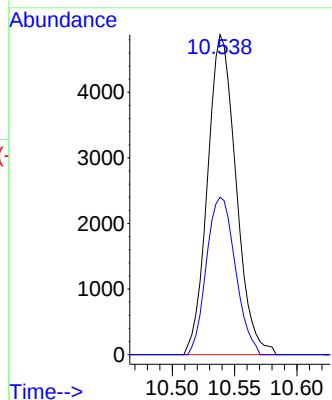
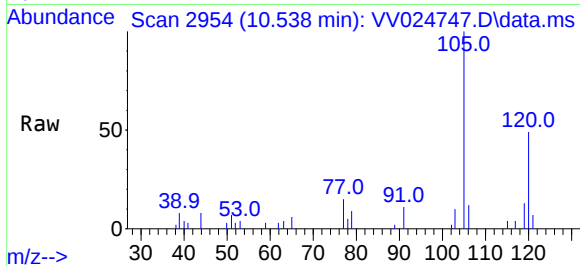
#62
1,3,5-Trimethylbenzene
Concen: 0.170 ug/L
RT: 10.538 min Scan# 2953
Delta R.T. 0.003 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-01

Tgt Ion:105 Resp: 7775
Ion Ratio Lower Upper
105 100
120 49.8 38.6 57.8

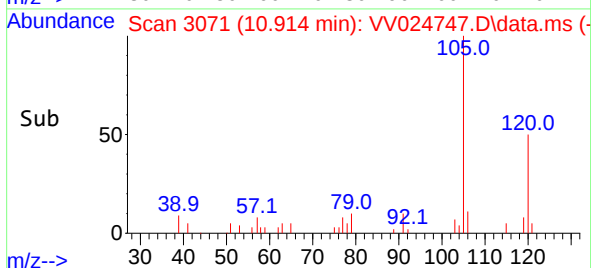
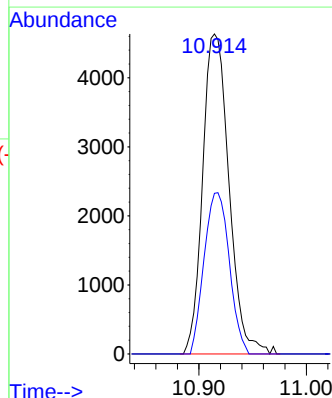
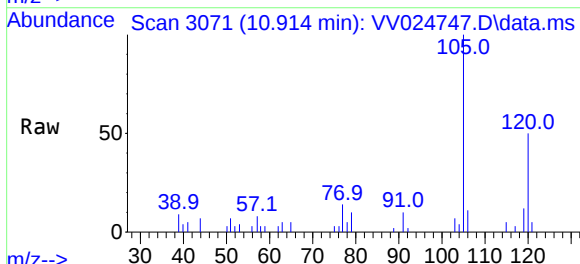
Manual Integrations
APPROVED

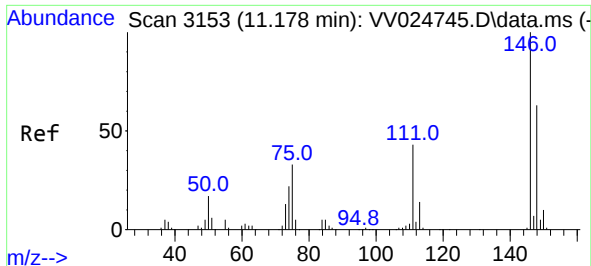
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/22/2022



#63
1,2,4-Trimethylbenzene
Concen: 0.174 ug/L
RT: 10.914 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

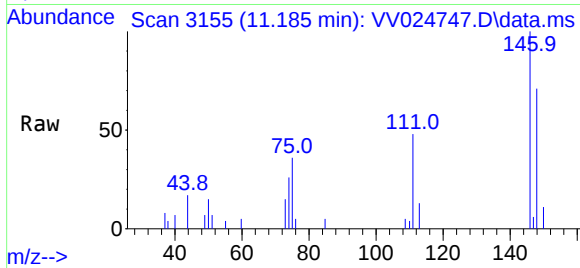
Tgt Ion:105 Resp: 7896
Ion Ratio Lower Upper
105 100
120 48.0 35.9 53.9





#64
1,3-Dichlorobenzene
Concen: 0.189 ug/L
RT: 11.185 min Scan# 3155
Delta R.T. 0.006 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

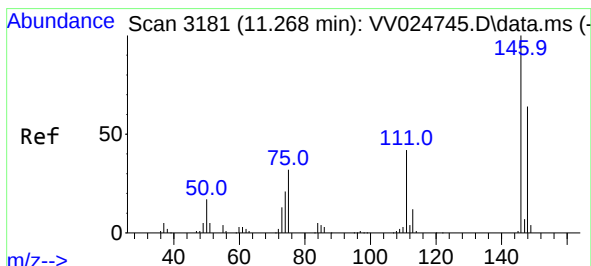
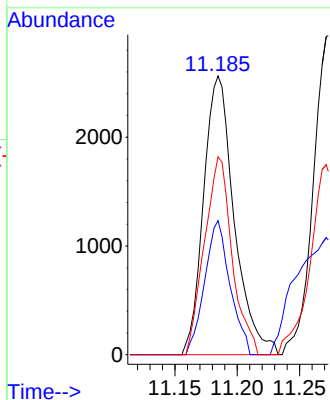
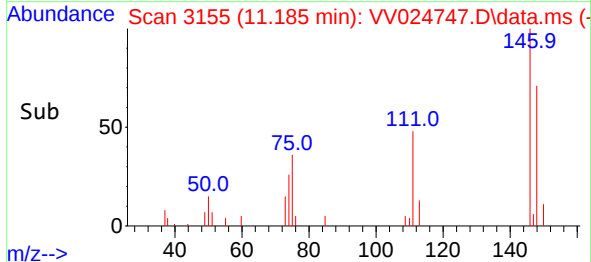
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-01



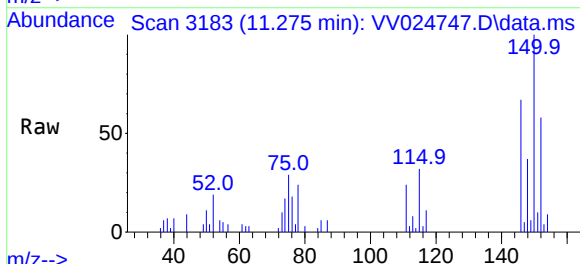
Tgt Ion:146 Resp: 4390
Ion Ratio Lower Upper
146 100
111 48.1 31.0 57.6
148 71.0 45.4 84.4

Manual Integrations
APPROVED

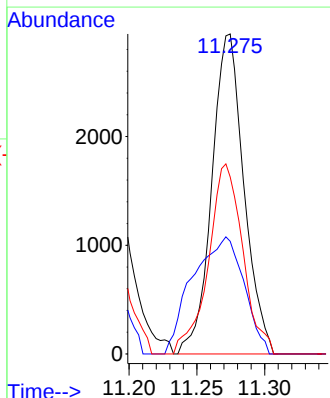
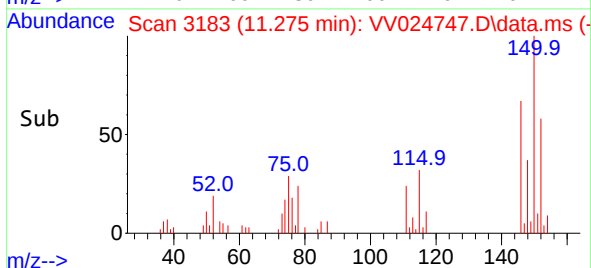
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/22/2022

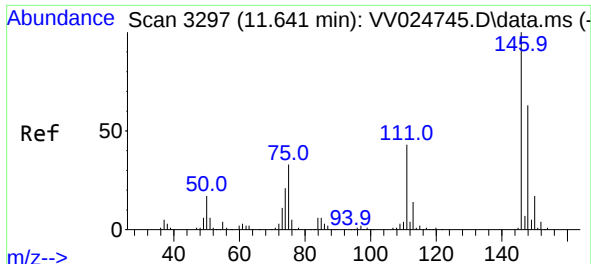


#65
1,4-Dichlorobenzene
Concen: 0.209 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.007 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36



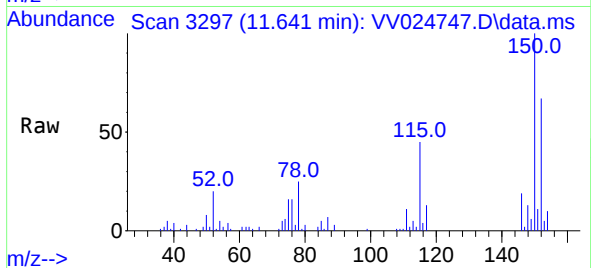
Tgt Ion:146 Resp: 4851
Ion Ratio Lower Upper
146 100
111 35.2 28.3 52.7
148 55.3 44.0 81.8





#67
1,2-Dichlorobenzene
Concen: 0.203 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. 0.000 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

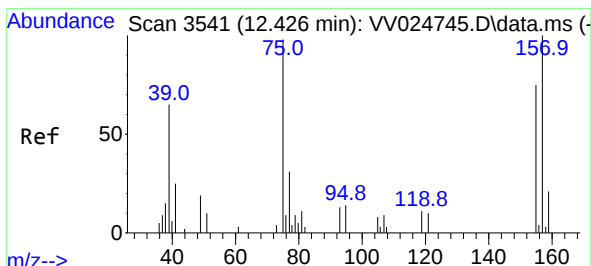
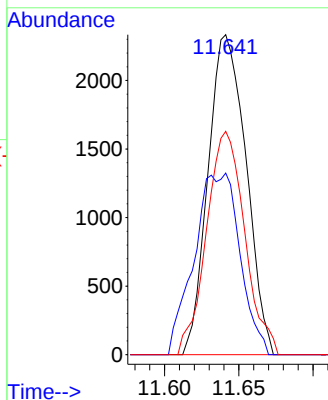
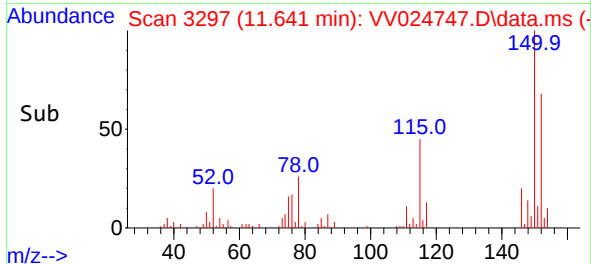
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT1-2022-01



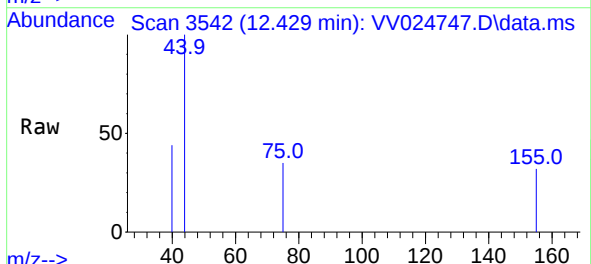
Tgt Ion:146 Resp: 4152
Ion Ratio Lower Upper
146 100
111 56.8 36.0 54.0
148 69.8 50.4 75.6

Manual Integrations
APPROVED

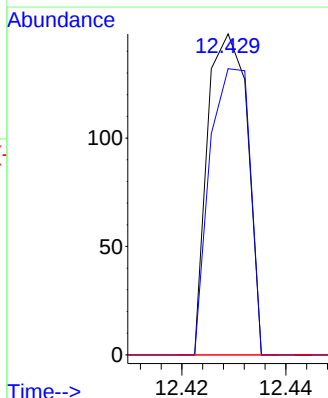
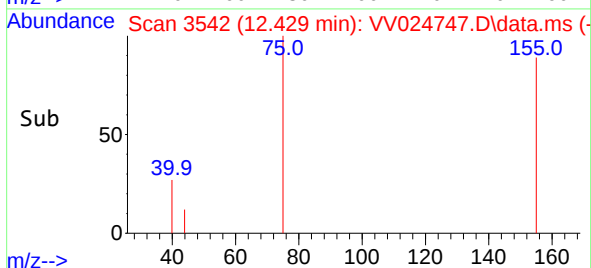
Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/22/2022

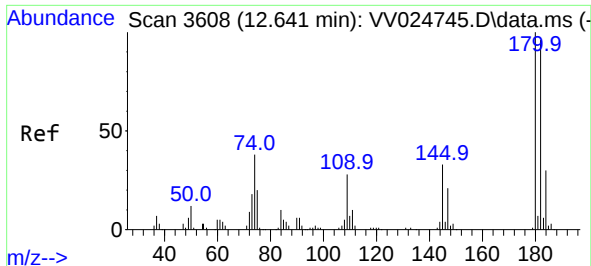


#68
1,2-Dibromo-3-chloropropane
Concen: 0.076 ug/L
RT: 12.429 min Scan# 3542
Delta R.T. 0.003 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36



Tgt Ion: 75 Resp: 78
Ion Ratio Lower Upper
75 100
155 89.2 61.7 92.5
157 0.0 73.5 110.3#





#69

1,3,5-Trichlorobenzene

Concen: 0.202 ug/L

RT: 12.648 min Scan# 30

Delta R.T. 0.006 min

Lab File: VV024747.D

Acq: 18 Feb 2022 12:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2022-01

Tgt Ion:180 Resp: 331

Ion Ratio Lower Upper

180 100

182 86.3 74.6 111.8

184 31.0 23.8 35.8

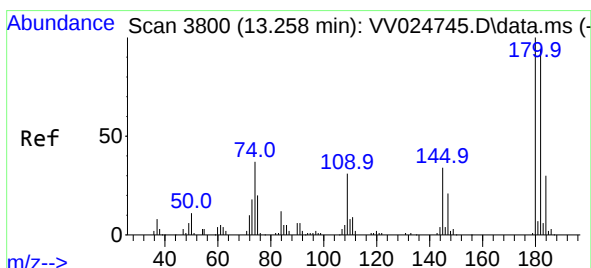
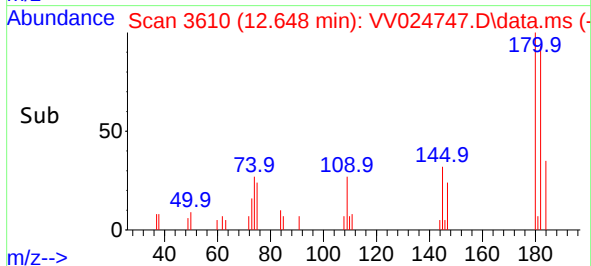
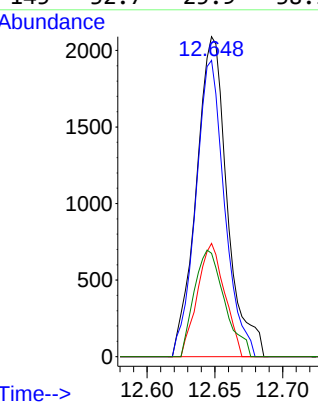
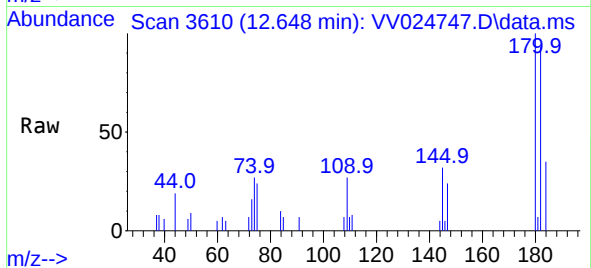
145 32.7 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2022

Supervised By :Mahesh Dadoda 02/22/2022



#70

1,2,4-trichlorobenzene

Concen: 0.181 ug/L

RT: 13.265 min Scan# 3802

Delta R.T. 0.006 min

Lab File: VV024747.D

Acq: 18 Feb 2022 12:36

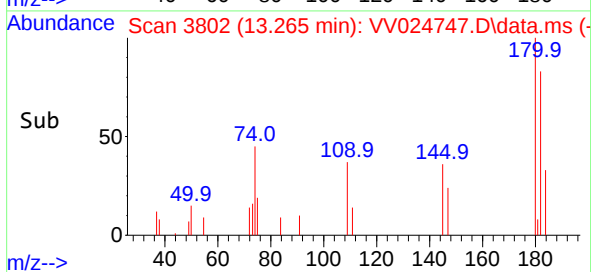
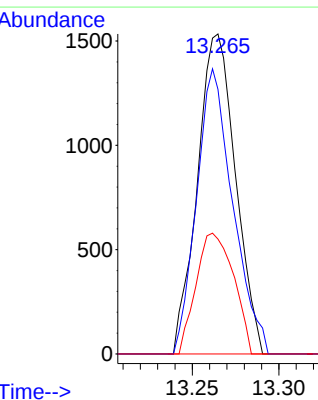
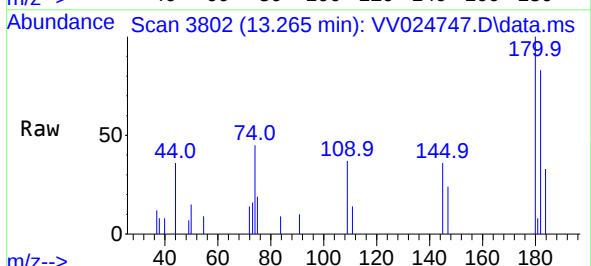
Tgt Ion:180 Resp: 2345

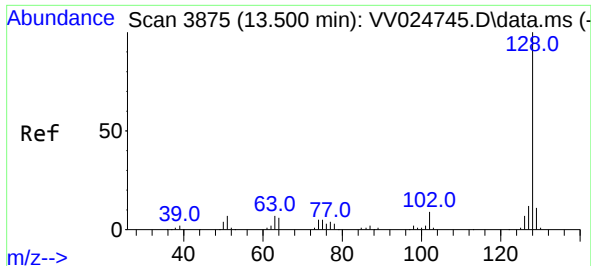
Ion Ratio Lower Upper

180 100

182 84.9 75.0 112.6

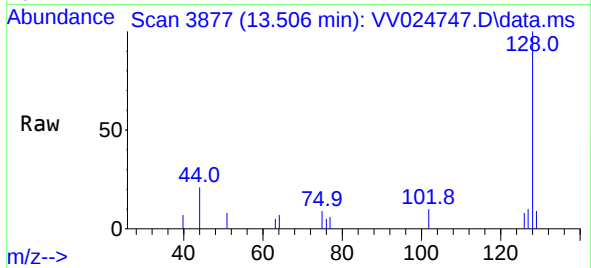
145 37.1 26.9 40.3





#71
Naphthalene
Concen: 0.176 ug/L
RT: 13.506 min Scan# 3881
Delta R.T. 0.006 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36

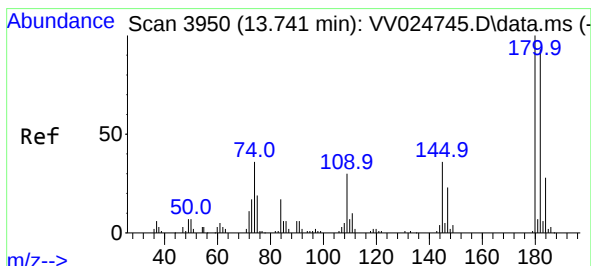
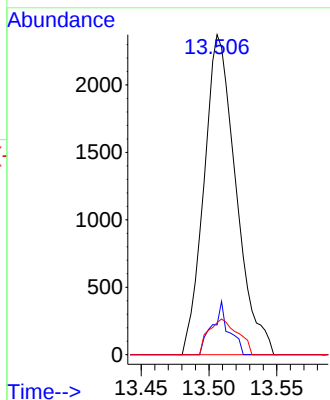
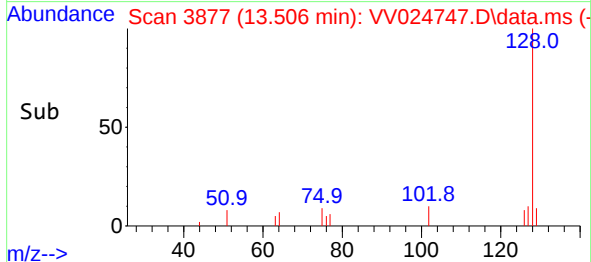
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2022-01



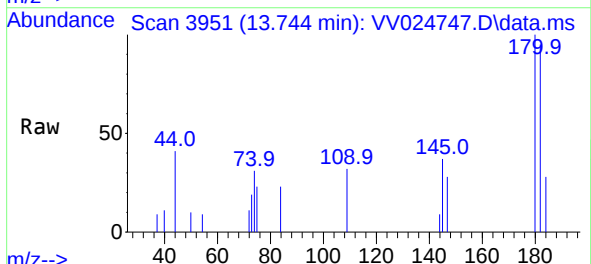
Tgt Ion:128 Resp: 3881
Ion Ratio Lower Upper
128 100
129 8.7 8.4 12.6
127 10.2 10.2 15.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/22/2022
Supervised By :Mahesh Dadoda 02/22/2022



#72
1,2,3-Trichlorobenzene
Concen: 0.177 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.003 min
Lab File: VV024747.D
Acq: 18 Feb 2022 12:36



Tgt Ion:180 Resp: 1921
Ion Ratio Lower Upper
180 100
182 96.7 75.6 113.4
145 34.3 28.5 42.7

