

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092322\
 Data File : VW028092.D
 Acq On : 23 Sep 2022 10:35
 Operator : SY/MD
 Sample : N4519-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2022-08

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/27/2022
 Supervised By :Mahesh Dadoda 09/27/2022

Quant Time: Sep 24 01:51:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 24 01:23:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	185343	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	187230	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	89426	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	84692	4.408	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.200%
7) Chloroethane-d5	1.561	69	75005	4.910	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.200%
11) 1,1-Dichloroethene-d2	2.101	63	118128	3.545	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.800%
20) 2-Butanone-d5	3.899	46	148052	45.639	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.280%
24) Chloroform-d	4.339	84	142677	4.653	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
26) 1,2-Dichloroethane-d4	5.024	65	70159	4.809	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
32) Benzene-d6	5.040	84	268154	4.368	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
36) 1,2-Dichloropropane-d6	6.063	67	85420	4.463	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.200%
41) Toluene-d8	7.310	98	217478	3.914	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.200%
43) trans-1,3-Dichloroprop...	7.619	79	29554	4.275	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.400%
46) 2-Hexanone-d5	8.085	63	124521	43.156	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.320%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	59458	4.545	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.800%
66) 1,2-Dichlorobenzene-d4	11.622	152	83651	4.769	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	2823	0.204	ug/L	98
3) Chloromethane	1.236	50	3160	0.172	ug/L	92
5) Vinyl chloride	1.304	62	3313	0.231	ug/L #	43
6) Bromomethane	1.516	94	1977	0.211	ug/L	100
8) Chloroethane	1.580	64	2116	0.220	ug/L	96
9) Trichlorofluoromethane	1.748	101	4378	0.192	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	3562	0.271	ug/L #	81
12) 1,1-Dichloroethene	2.111	96	3217	0.251	ug/L #	1
14) Carbon disulfide	2.288	76	5448	0.222	ug/L	98
16) Methylene chloride	2.500	84	6679	0.467	ug/L	89
17) Methyl tert-butyl Ether	2.767	73	5211	0.189	ug/L #	94
18) trans-1,2-Dichloroethene	2.751	96	2405	0.214	ug/L #	78
19) 1,1-Dichloroethane	3.185	63	5229	0.214	ug/L	98
21) 2-Butanone	3.989	43	6698m	2.165	ug/L	
22) cis-1,2-Dichloroethene	3.902	96	2558	0.174	ug/L	96
23) Bromochloromethane	4.256	128	1133	0.192	ug/L #	72
25) Chloroform	4.368	83	6802	0.259	ug/L	100
27) 1,2-Dichloroethane	5.143	62	2445m	0.175	ug/L	
29) 1,1,1-Trichloroethane	4.603	97	4303	0.187	ug/L	99

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Quant Time: Sep 24 01:51:15 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Cyclohexane	4.667	56	2669	0.160	ug/L #	77
31) Carbon tetrachloride	4.818	117	3674	0.194	ug/L	98
33) Benzene	5.098	78	9218m	0.177	ug/L	
35) Methylcyclohexane	6.120	83	3304	0.186	ug/L	91
37) 1,2-Dichloropropane	6.178	63	2736	0.188	ug/L #	87
38) Bromodichloromethane	6.506	83	3517	0.195	ug/L	92
39) cis-1,3-Dichloropropene	7.034	75	3052m	0.169	ug/L	
40) 4-Methyl-2-pentanone	7.233	43	9453	1.336	ug/L #	85
44) trans-1,3-Dichloropropene	7.661	75	2424m	0.156	ug/L	
45) 1,1,2-Trichloroethane	7.841	97	1804	0.185	ug/L	86
47) Tetrachloroethene	7.976	164	1894	0.183	ug/L	86
49) Dibromochloromethane	8.243	129	2281	0.194	ug/L	81
50) 1,2-Dibromoethane	8.355	107	1476	0.174	ug/L #	94
51) Chlorobenzene	8.882	112	7271	0.200	ug/L	90
52) Ethylbenzene	9.014	91	9314	0.162	ug/L	95
53) m,p-Xylene	9.140	106	3340	0.152	ug/L	78
54) o-Xylene	9.545	106	3409	0.157	ug/L	89
55) Styrene	9.567	104	5609	0.149	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	2304	0.202	ug/L #	96
59) Bromoform	9.731	173	1305	0.230	ug/L #	99
60) Isopropylbenzene	9.927	105	8838	0.168	ug/L	95
61) 1,2,3-Trichloropropane	10.275	75	1596	0.213	ug/L #	78
62) 1,3,5-Trimethylbenzene	10.538	105	2697	0.182	ug/L	96
63) 1,2,4-Trimethylbenzene	10.918	105	6817	0.165	ug/L	88
64) 1,3-Dichlorobenzene	11.178	146	5297	0.203	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.429	75	279	0.170	ug/L #	79
69) 1,3,5-Trichlorobenzene	12.644	180	4326	0.209	ug/L	96
70) 1,2,4-trichlorobenzene	13.265	180	3646	0.221	ug/L	89
71) Naphthalene	13.509	128	5434	0.201	ug/L	98
72) 1,2,3-Trichlorobenzene	13.747	180	2857	0.191	ug/L	98

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

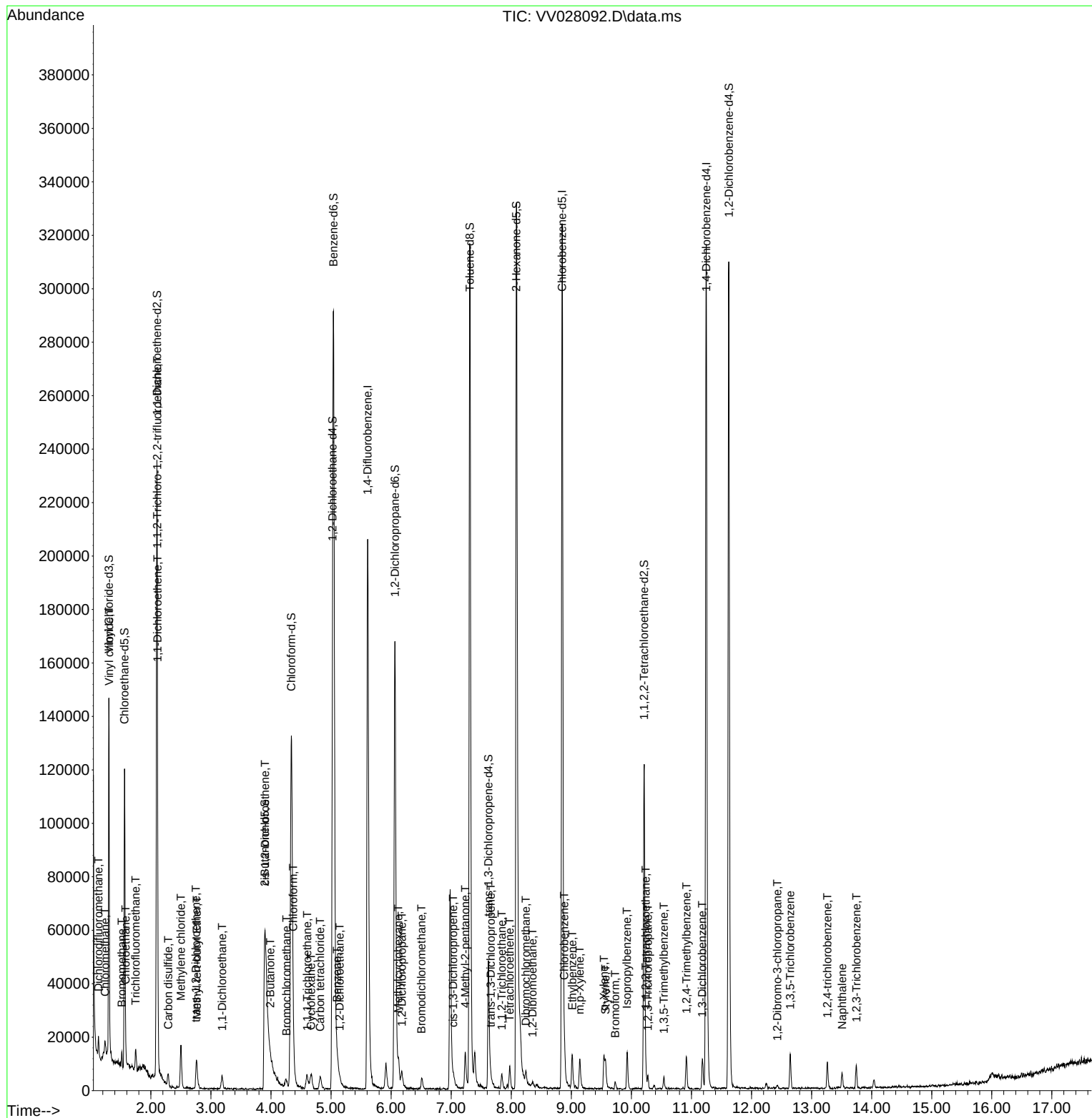
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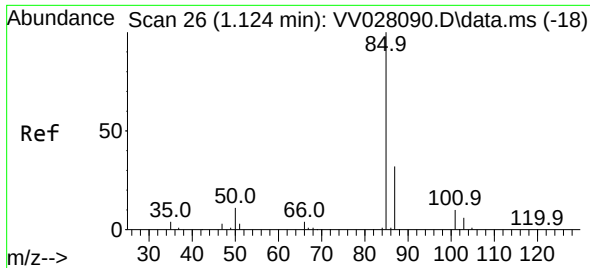
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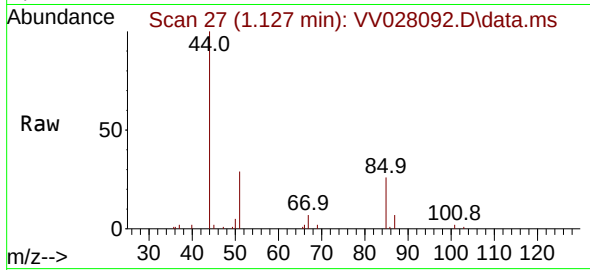
Reviewed By :Krupa Patel 09/27/2022
 Supervised By :Mahesh Dadoda 09/27/2022





#2
 Dichlorodifluoromethane
 Concen: 0.204 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV028092.D
 Acq: 23 Sep 2022 10:35

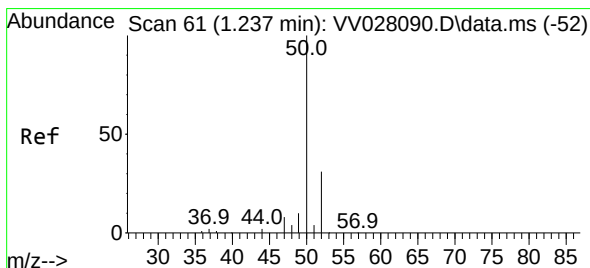
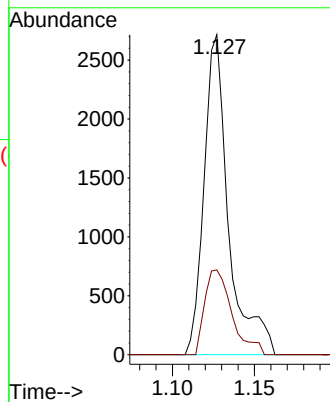
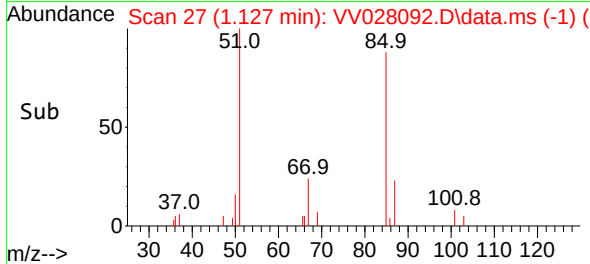
Instrument : MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2022-08



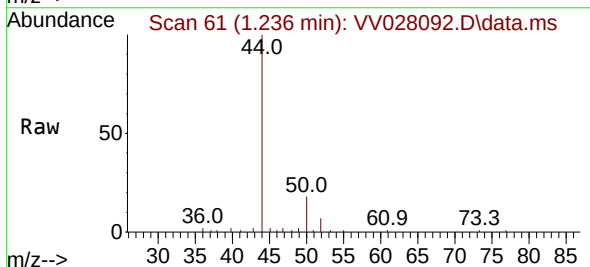
Tgt Ion: 85 Resp: 282
 Ion Ratio Lower Upper
 85 100
 87 29.4 22.8 34.2

Manual Integrations
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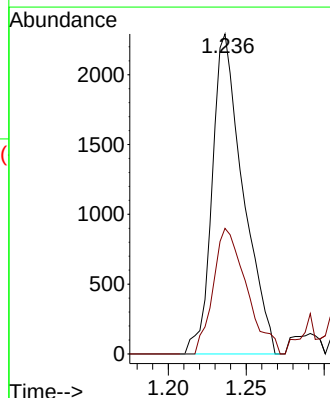
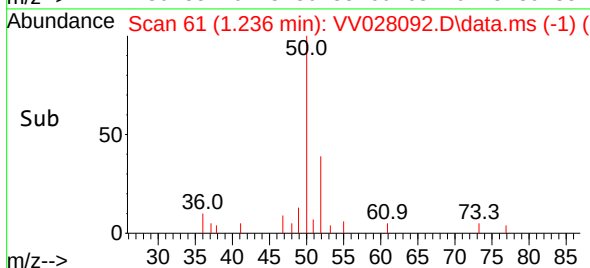
Reviewed By :Krupa Patel 09/27/2022
 Supervised By :Mahesh Dadoda 09/27/2022

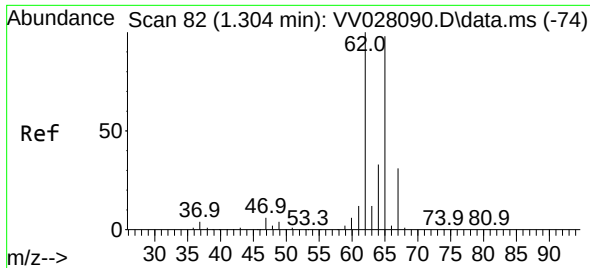


#3
 Chloromethane
 Concen: 0.172 ug/L
 RT: 1.236 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VV028092.D
 Acq: 23 Sep 2022 10:35



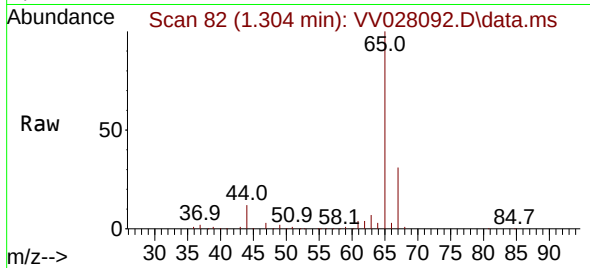
Tgt Ion: 50 Resp: 3160
 Ion Ratio Lower Upper
 50 100
 52 39.2 24.4 45.2





#5
 Vinyl chloride
 Concen: 0.231 ug/L
 RT: 1.304 min Scan# 82
 Delta R.T. -0.000 min
 Lab File: VV028092.D
 Acq: 23 Sep 2022 10:35

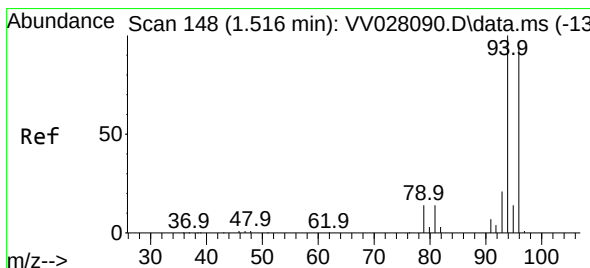
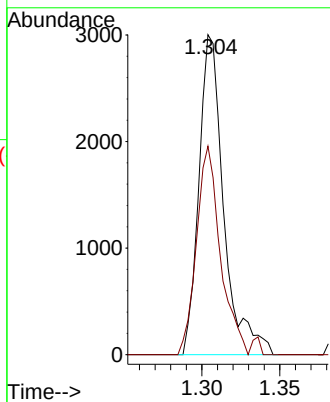
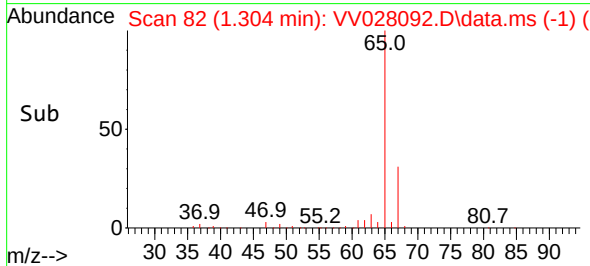
Instrument :
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 MDL-WATER-QT4-2022-08



Tgt Ion: 62 Resp: 331
 Ion Ratio Lower Upper
 62 100
 64 65.2 23.0 42.8

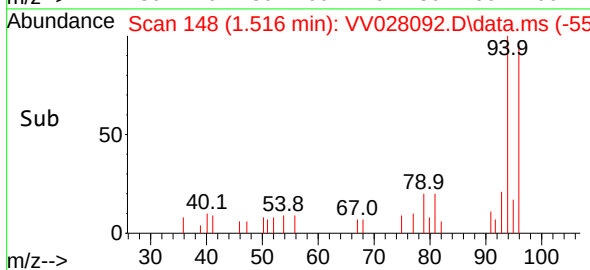
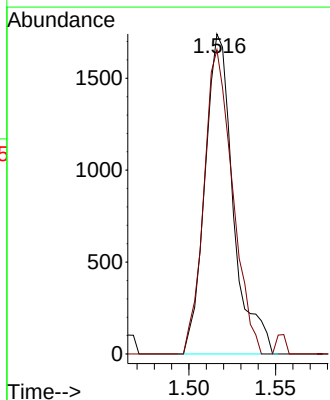
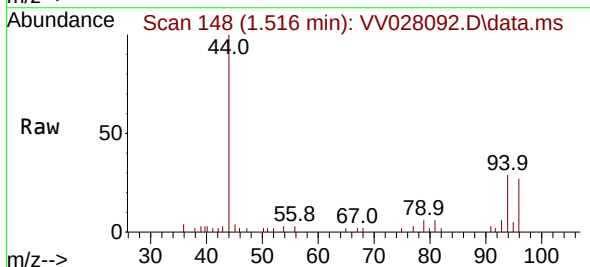
Manual Integrations
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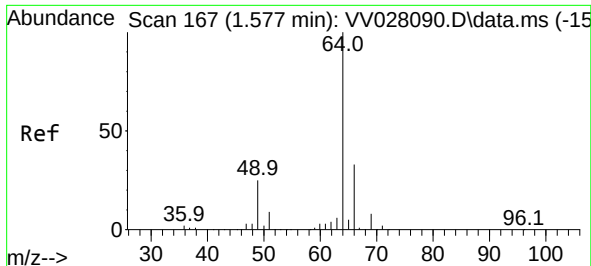
Reviewed By :Krupa Patel 09/27/2022
 Supervised By :Mahesh Dadoda 09/27/2022



#6
 Bromomethane
 Concen: 0.211 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VV028092.D
 Acq: 23 Sep 2022 10:35

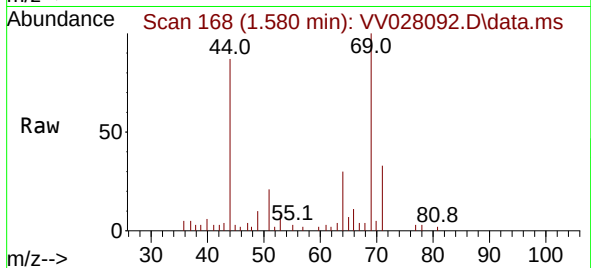
Tgt Ion: 94 Resp: 1977
 Ion Ratio Lower Upper
 94 100
 96 95.1 66.7 123.9





#8
Chloroethane
Concen: 0.220 ug/L
RT: 1.580 min Scan# 110
Delta R.T. 0.003 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

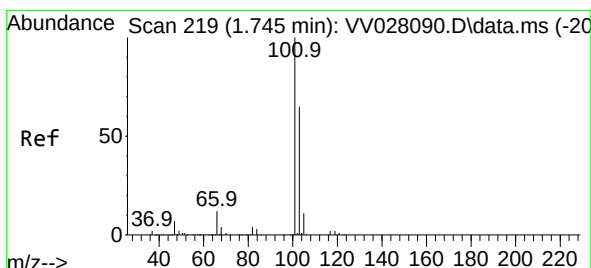
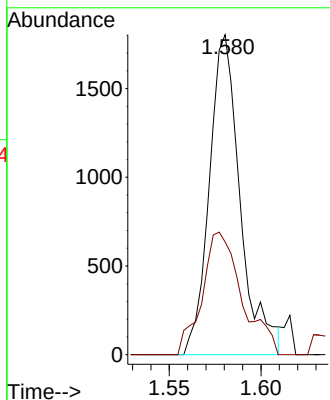
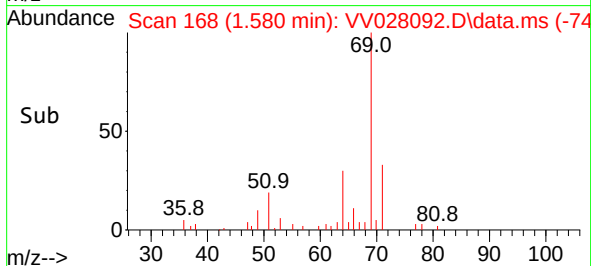
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-08



Tgt Ion: 64 Resp: 2110
Ion Ratio Lower Upper
64 100
66 35.3 23.0 42.8

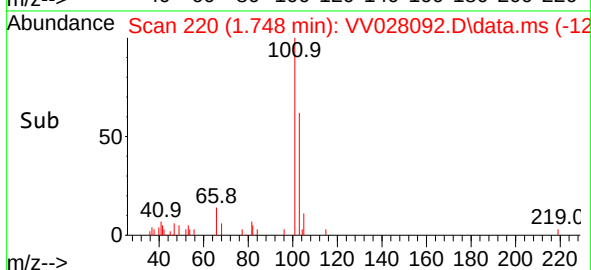
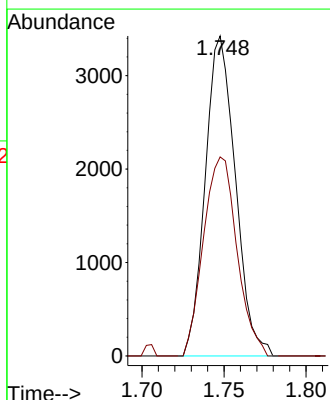
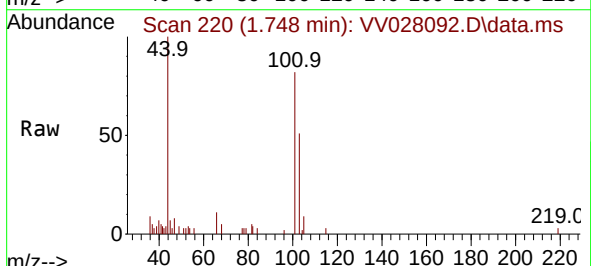
Manual Integrations
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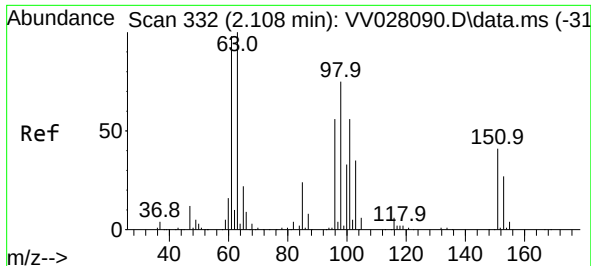
Reviewed By :Krupa Patel 09/27/2022
Supervised By :Mahesh Dadoda 09/27/2022



#9
Trichlorofluoromethane
Concen: 0.192 ug/L
RT: 1.748 min Scan# 220
Delta R.T. 0.003 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

Tgt Ion:101 Resp: 4378
Ion Ratio Lower Upper
101 100
103 69.1 51.4 77.0





#10

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

Concen: 0.271 ug/L

RT: 2.108 min Scan# 332

Delta R.T. -0.000 min

Lab File: VV028092.D

Acq: 23 Sep 2022 10:35

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2022-08

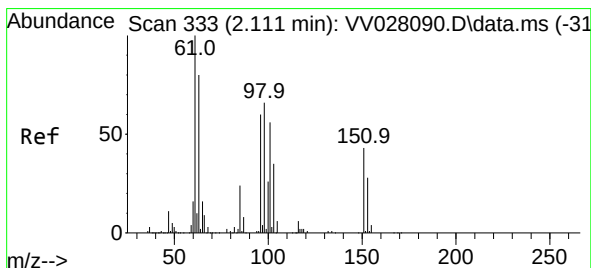
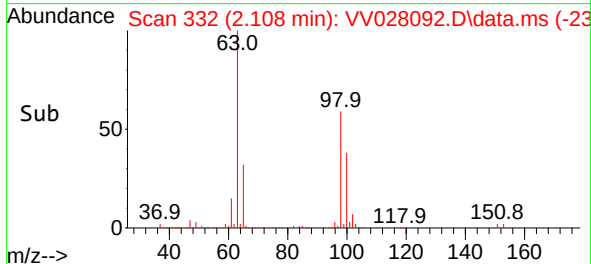
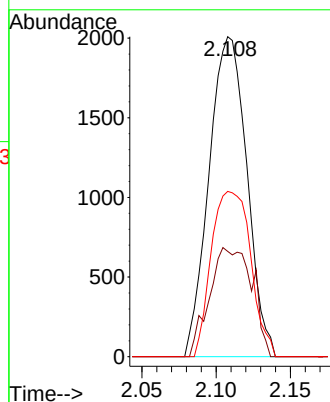
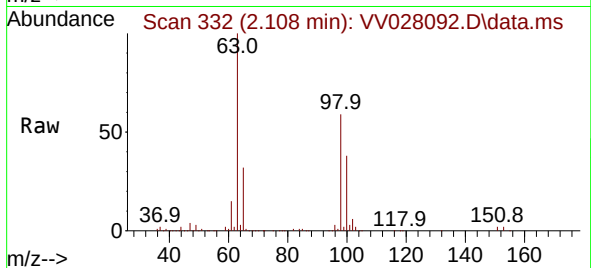
Tgt Ion:	101	Resp:	356
Ion Ratio	Lower	Upper	
101	100		
85	38.5	34.4	51.6
151	53.8	61.1	91.7

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 0.251 ug/L

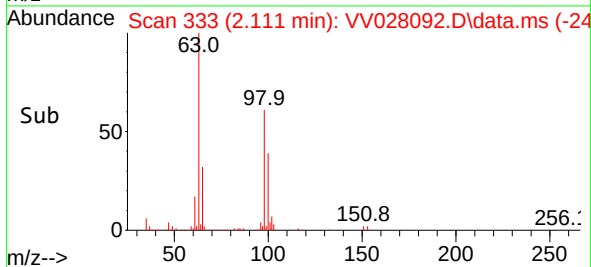
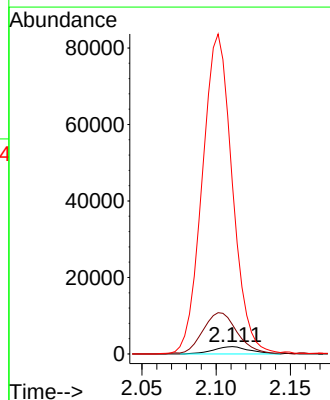
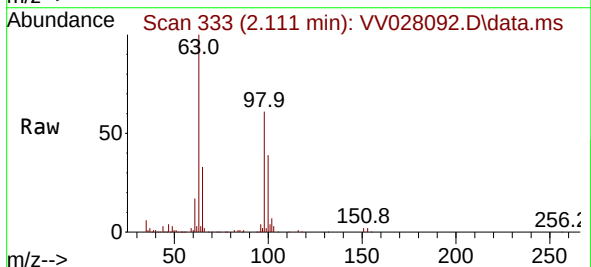
RT: 2.111 min Scan# 333

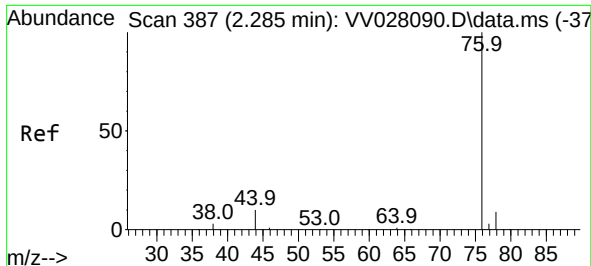
Delta R.T. -0.000 min

Lab File: VV028092.D

Acq: 23 Sep 2022 10:35

Tgt Ion:	96	Resp:	3217
Ion Ratio	Lower	Upper	
96	100		
61	403.6	128.3	238.3#
63	2334.3	112.7	209.3#





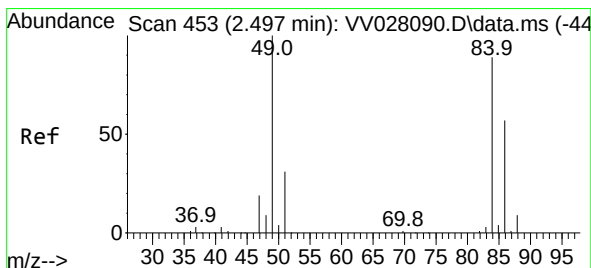
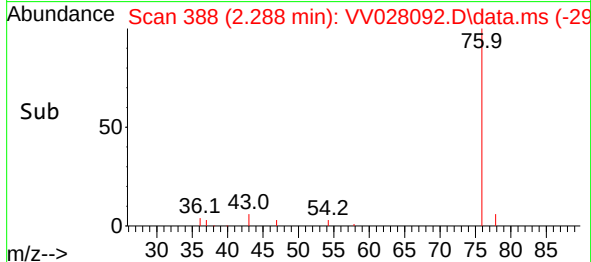
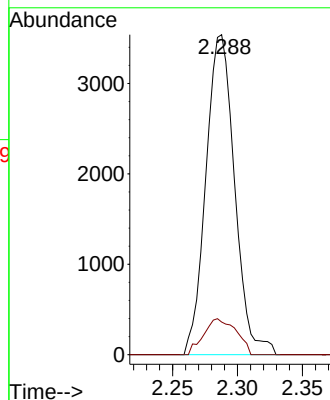
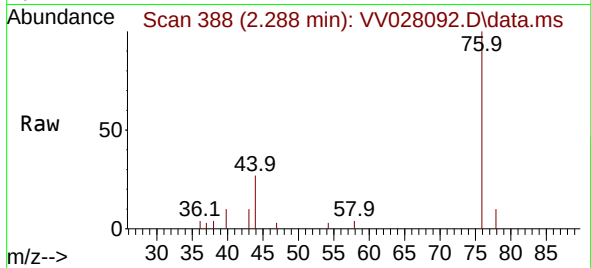
#14
Carbon disulfide
Concen: 0.222 ug/L
RT: 2.288 min Scan# 387
Delta R.T. 0.003 min
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Tgt Ion: 76 Resp: 544
Ion Ratio Lower Upper
76 100
78 10.2 7.6 11.4

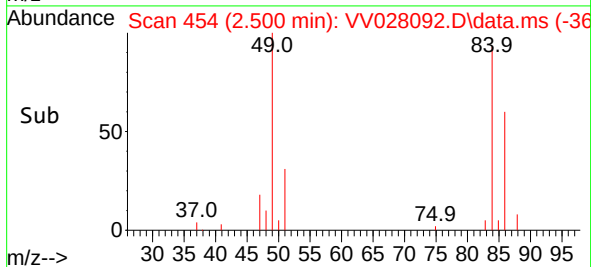
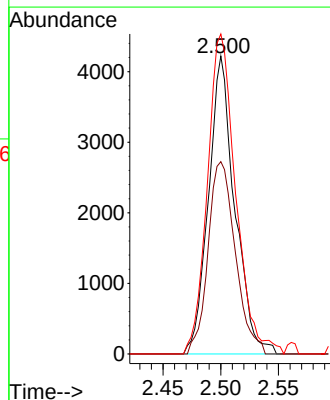
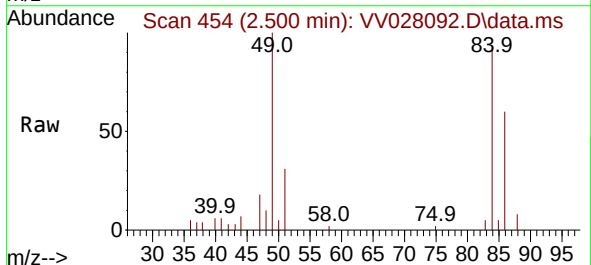
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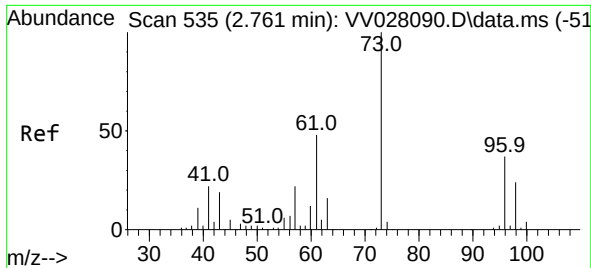
Reviewed By :Krupa Patel 09/27/2022
Supervised By :Mahesh Dadoda 09/27/2022



#16
Methylene chloride
Concen: 0.467 ug/L
RT: 2.500 min Scan# 454
Delta R.T. 0.003 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

Tgt Ion: 84 Resp: 6679
Ion Ratio Lower Upper
84 100
86 64.6 46.8 86.8
49 107.4 87.5 162.5





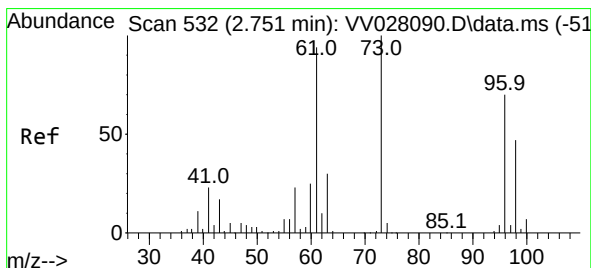
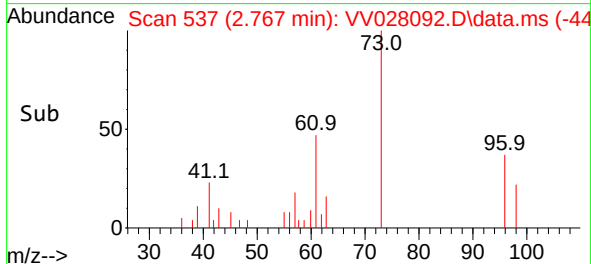
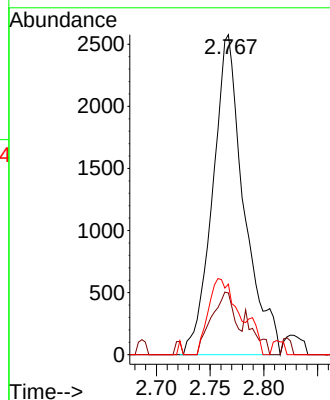
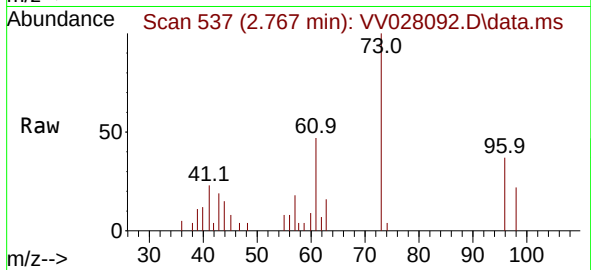
#17
Methyl tert-butyl Ether
Concen: 0.189 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-08

Tgt Ion: 73 Resp: 521
Ion Ratio Lower Upper
73 100
43 15.0 15.7 23.5
57 21.0 17.8 26.8

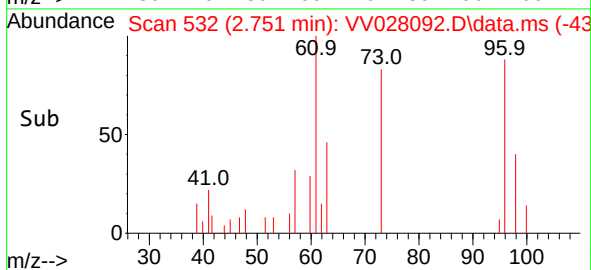
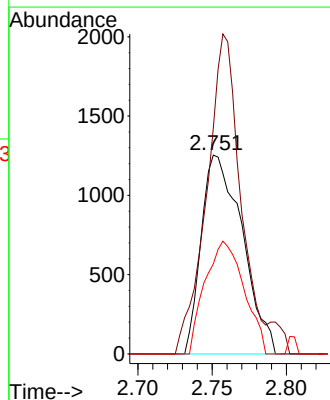
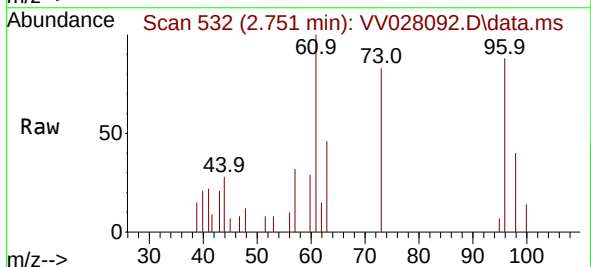
Manual Integrations
APPROVED

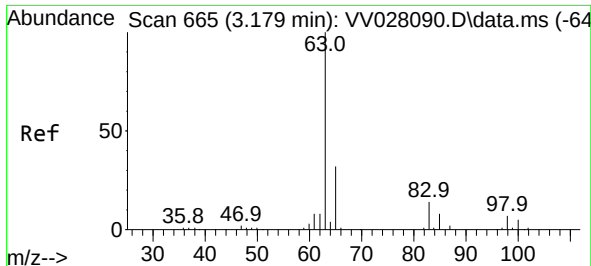
Reviewed By :Krupa Patel 09/27/2022
Supervised By :Mahesh Dadoda 09/27/2022



#18
trans-1,2-Dichloroethene
Concen: 0.214 ug/L
RT: 2.751 min Scan# 532
Delta R.T. -0.000 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

Tgt Ion: 96 Resp: 2405
Ion Ratio Lower Upper
96 100
61 113.6 96.2 178.6
98 45.3 45.7 84.9#





#19

1,1-Dichloroethane

Concen: 0.214 ug/L

RT: 3.185 min Scan# 60

Delta R.T. 0.006 min

Lab File: VV028092.D

Acq: 23 Sep 2022 10:35

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2022-08

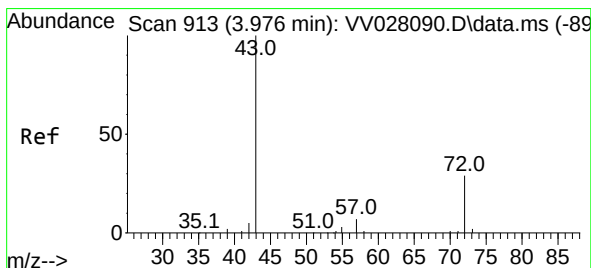
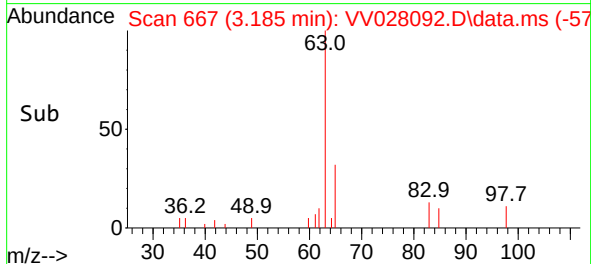
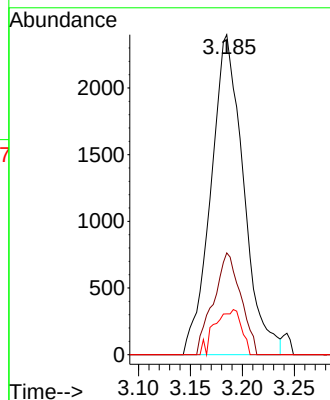
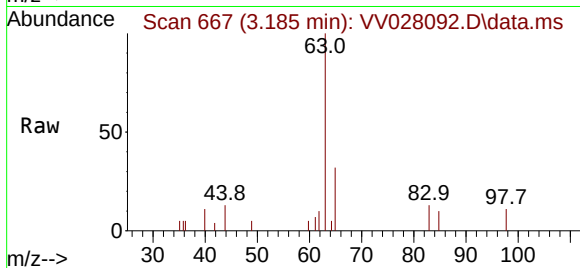
Tgt Ion:	63	Resp:	5229
Ion	Ratio	Lower	Upper
63	100		
65	31.8	23.0	42.8
83	12.8	9.2	17.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/27/2022

Supervised By :Mahesh Dadoda 09/27/2022



#21

2-Butanone

Concen: 2.165 ug/L m

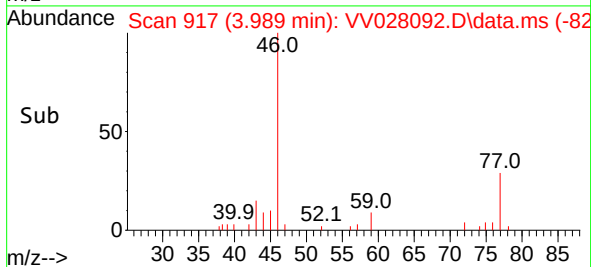
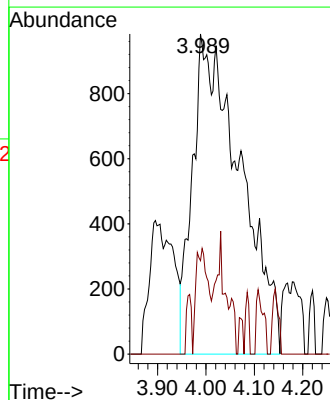
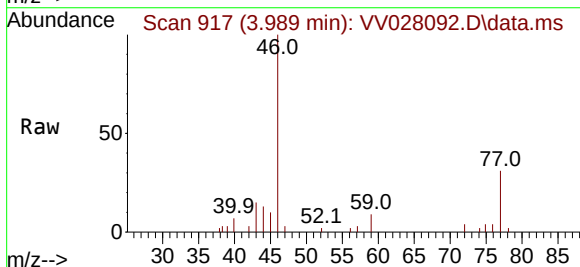
RT: 3.989 min Scan# 917

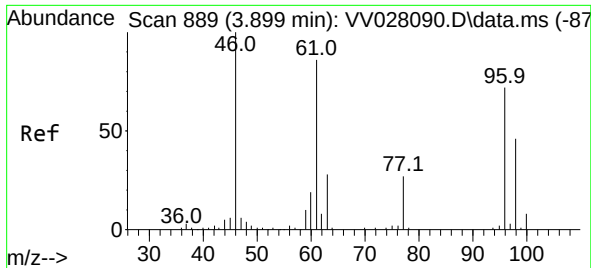
Delta R.T. 0.013 min

Lab File: VV028092.D

Acq: 23 Sep 2022 10:35

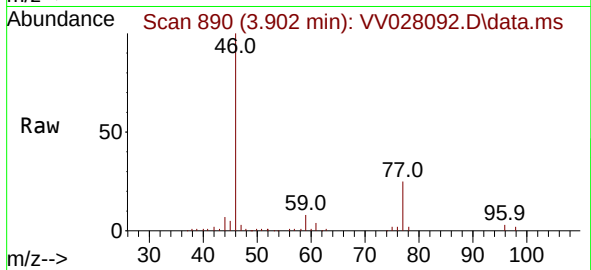
Tgt Ion:	43	Resp:	6698
Ion	Ratio	Lower	Upper
43	100		
72	8.4	12.7	38.1#





#22
cis-1,2-Dichloroethene
Concen: 0.174 ug/L
RT: 3.902 min Scan# 890
Delta R.T. 0.003 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

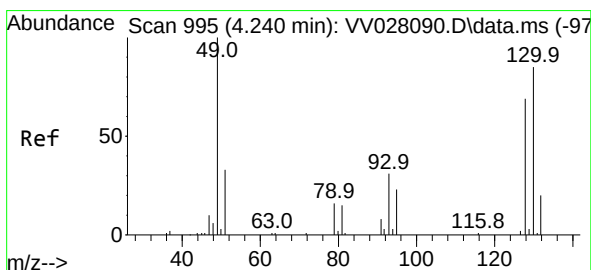
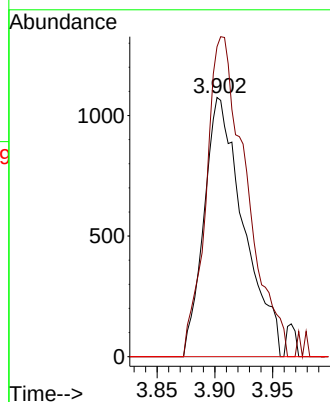
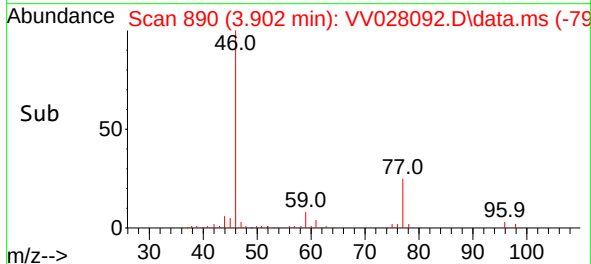
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-08



Tgt Ion: 96 Resp: 2558
Ion Ratio Lower Upper
96 100
61 119.5 87.2 161.9
68 0.0 0.0 0.0

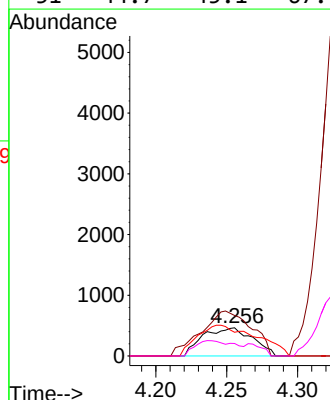
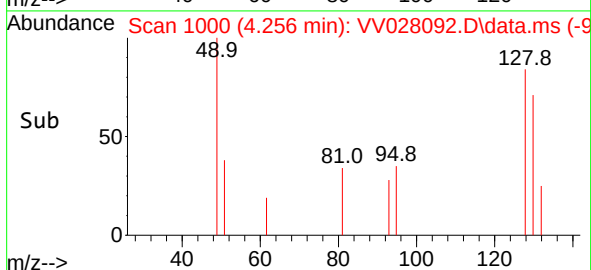
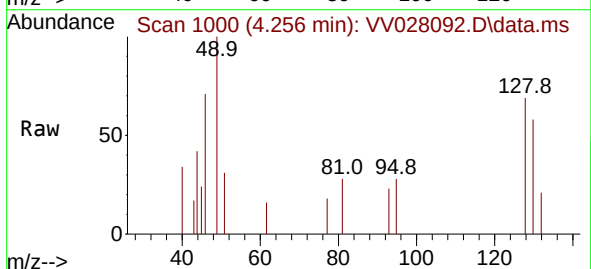
Manual Integrations
APPROVED

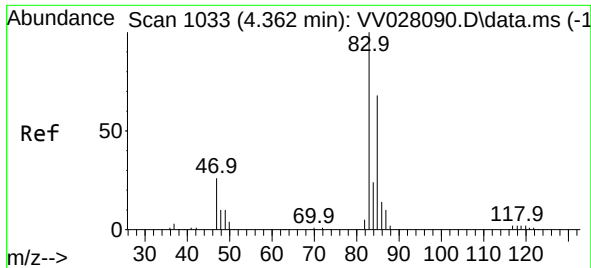
Reviewed By :Krupa Patel 09/27/2022
Supervised By :Mahesh Dadoda 09/27/2022



#23
Bromochloromethane
Concen: 0.192 ug/L
RT: 4.256 min Scan# 1000
Delta R.T. 0.016 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

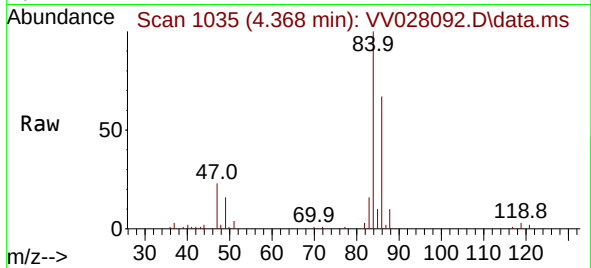
Tgt Ion:128 Resp: 1133
Ion Ratio Lower Upper
128 100
49 144.1 119.9 222.7
130 84.2 94.6 175.8#
51 44.7 45.1 67.7#





#25
Chloroform
Concen: 0.259 ug/L
RT: 4.368 min Scan# 1033
Delta R.T. 0.006 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

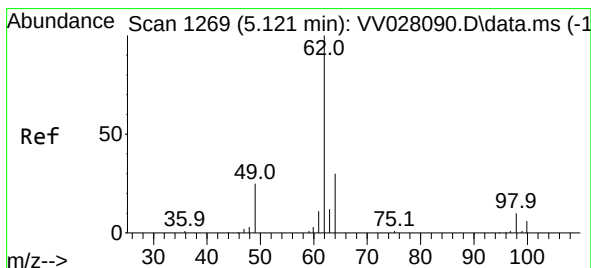
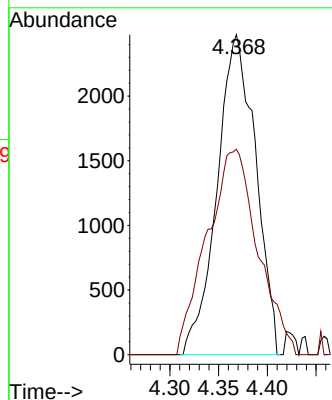
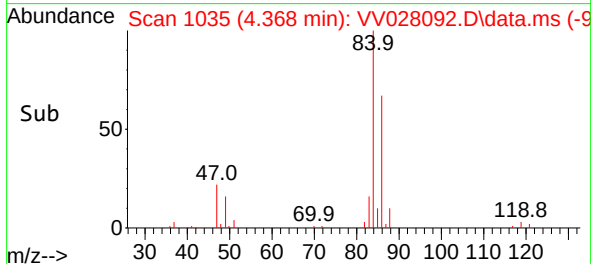
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-08



Tgt Ion: 83 Resp: 680
Ion Ratio Lower Upper
83 100
85 64.2 45.1 83.7

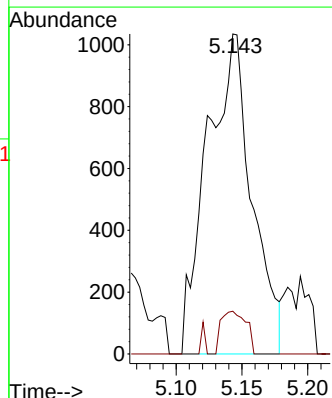
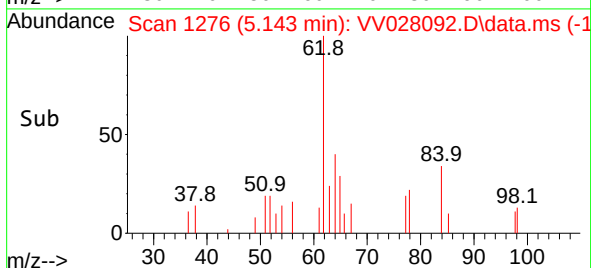
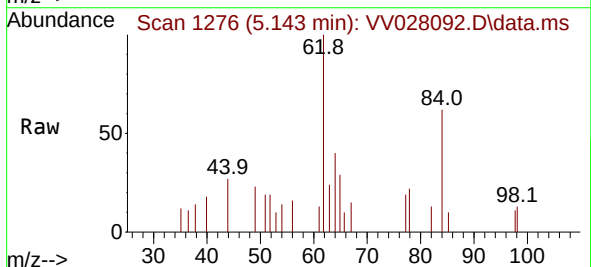
Manual Integrations
APPROVED

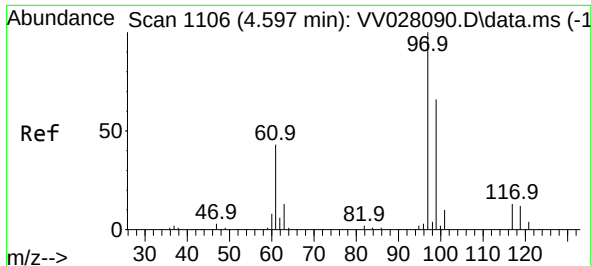
Reviewed By :Krupa Patel 09/27/2022
Supervised By :Mahesh Dadoda 09/27/2022



#27
1,2-Dichloroethane
Concen: 0.175 ug/L m
RT: 5.143 min Scan# 1276
Delta R.T. 0.022 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

Tgt Ion: 62 Resp: 2445
Ion Ratio Lower Upper
62 100
98 13.3 6.7 10.1#





#29

1,1,1-Trichloroethane

Concen: 0.187 ug/L

RT: 4.603 min Scan# 1106

Delta R.T. 0.006 min

Lab File: VV028092.D

Acq: 23 Sep 2022 10:35

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2022-08

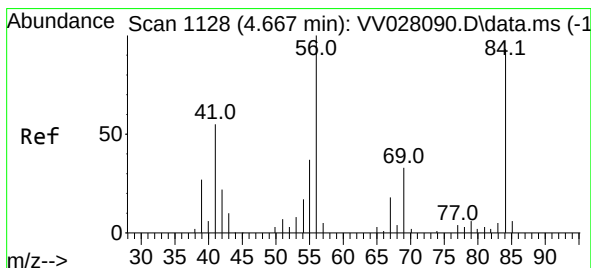
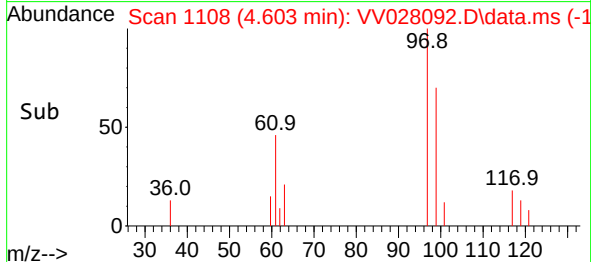
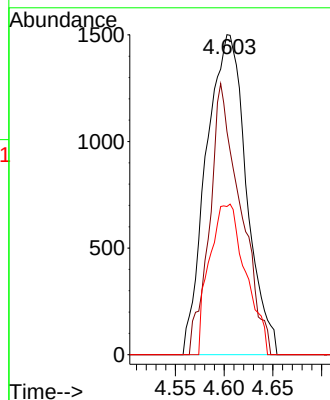
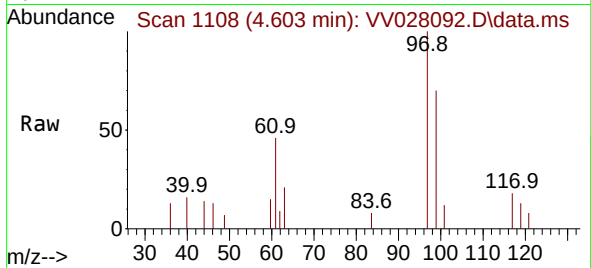
Tgt Ion: 97	Resp: 430
Ion Ratio	Lower Upper
97 100	
99 65.6	51.9 77.9
61 42.1	34.8 52.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/27/2022

Supervised By :Mahesh Dadoda 09/27/2022



#30

Cyclohexane

Concen: 0.160 ug/L

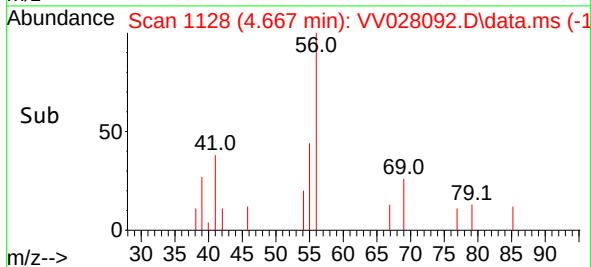
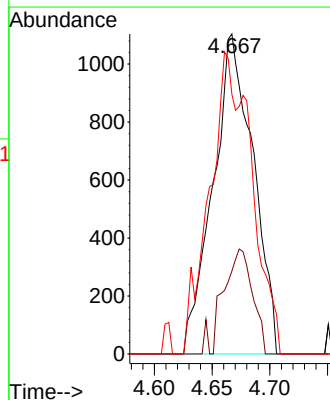
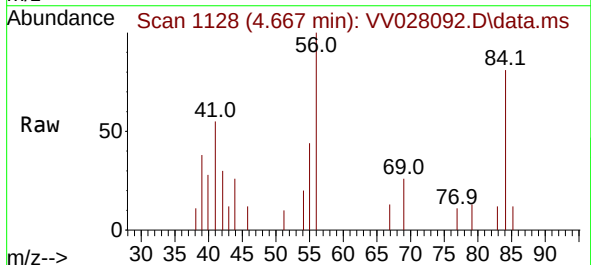
RT: 4.667 min Scan# 1128

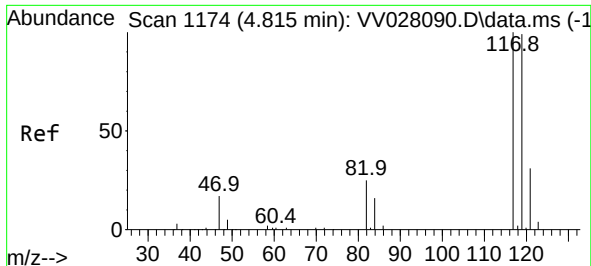
Delta R.T. -0.000 min

Lab File: VV028092.D

Acq: 23 Sep 2022 10:35

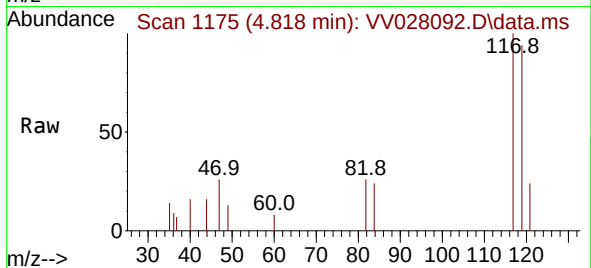
Tgt Ion: 56	Resp: 2669
Ion Ratio	Lower Upper
56 100	
69 23.0	23.7 35.5#
84 59.9	67.3 100.9#





#31
Carbon tetrachloride
Concen: 0.194 ug/L
RT: 4.818 min Scan# 1175
Delta R.T. 0.003 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

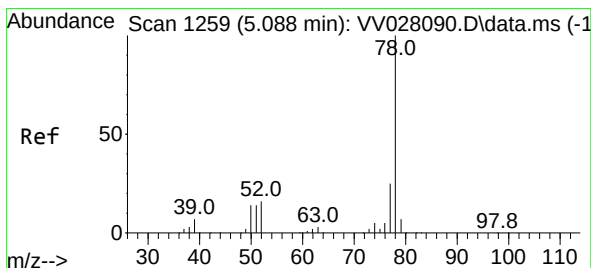
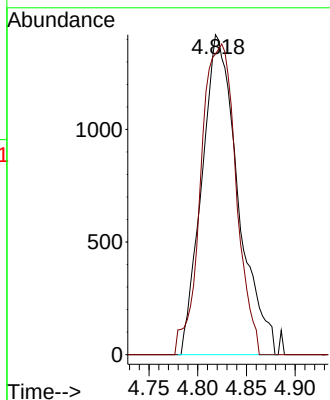
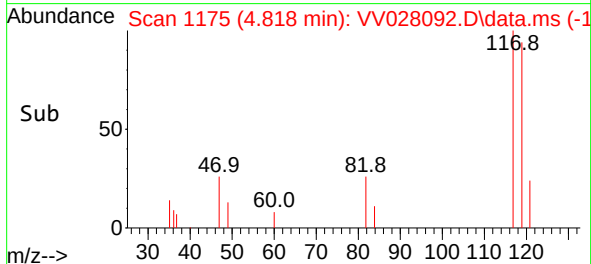
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-08



Tgt Ion:117 Resp: 3674
Ion Ratio Lower Upper
117 100
119 94.0 76.9 115.3

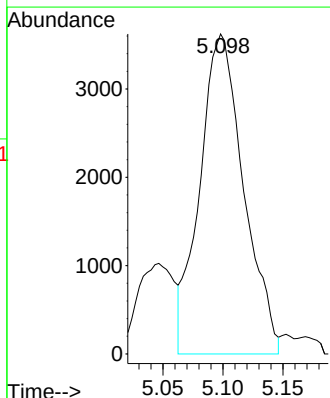
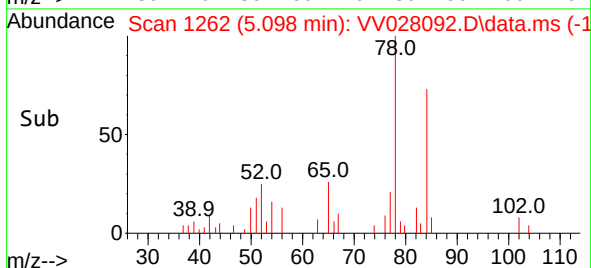
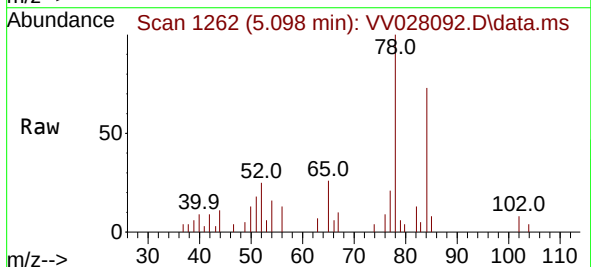
Manual Integrations
APPROVED

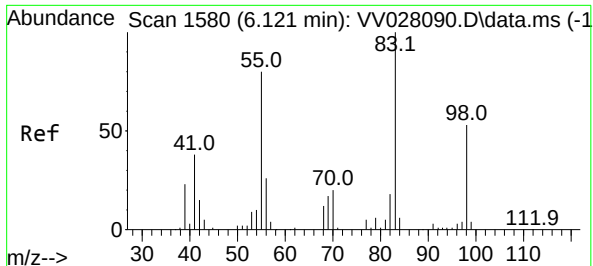
Reviewed By :Krupa Patel 09/27/2022
Supervised By :Mahesh Dadoda 09/27/2022



#33
Benzene
Concen: 0.177 ug/L m
RT: 5.098 min Scan# 1262
Delta R.T. 0.009 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

Tgt Ion: 78 Resp: 9218





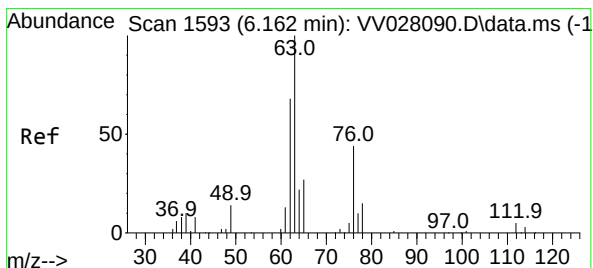
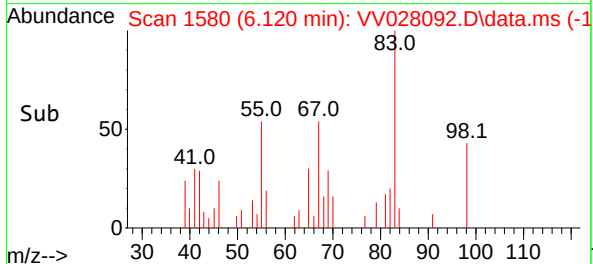
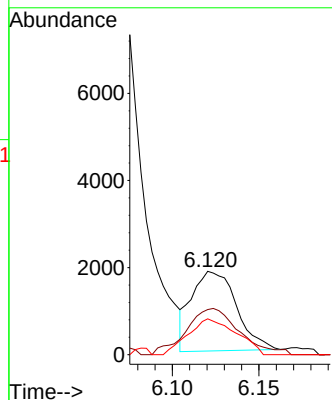
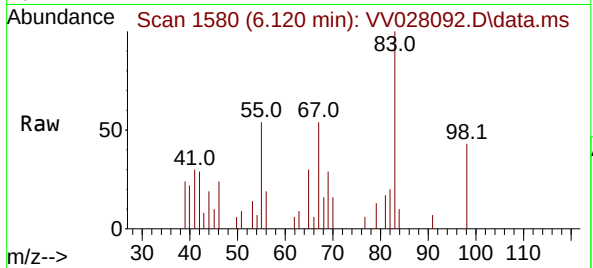
#35
Methylcyclohexane
Concen: 0.186 ug/L
RT: 6.120 min Scan# 1580
Delta R.T. -0.000 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2022-08

Tgt Ion: 83 Resp: 3304
Ion Ratio Lower Upper
83 100
55 68.3 64.7 97.1
98 48.2 39.5 59.3

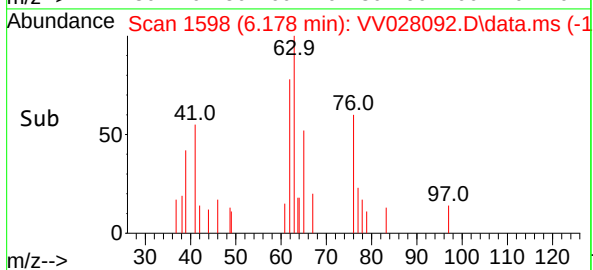
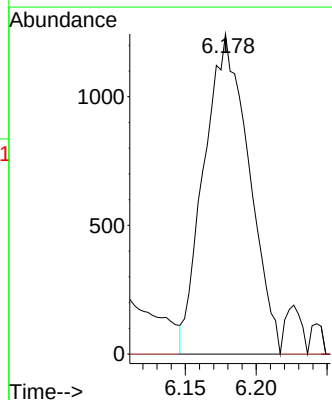
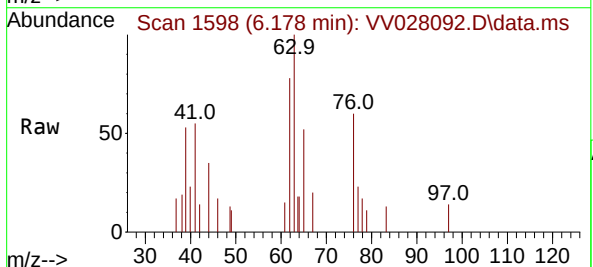
Manual Integrations
APPROVED

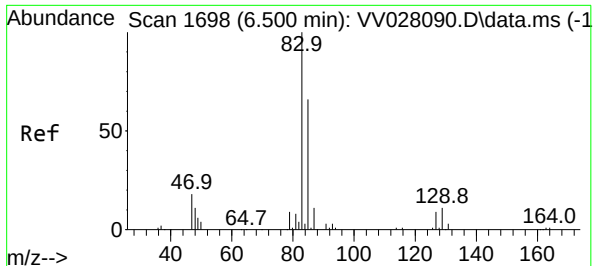
Reviewed By :Krupa Patel 09/27/2022
Supervised By :Mahesh Dadoda 09/27/2022



#37
1,2-Dichloropropane
Concen: 0.188 ug/L
RT: 6.178 min Scan# 1598
Delta R.T. 0.016 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

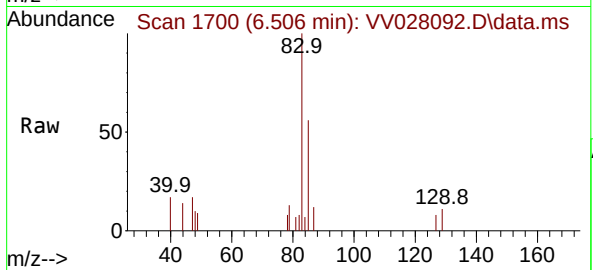
Tgt Ion: 63 Resp: 2736
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#





#38
Bromodichloromethane
Concen: 0.195 ug/L
RT: 6.506 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

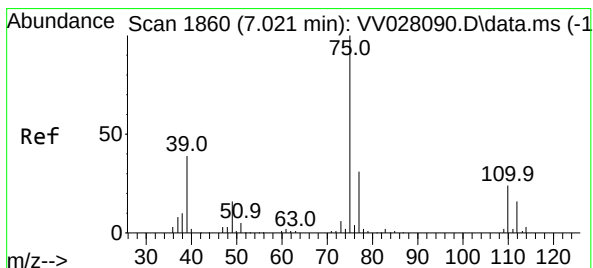
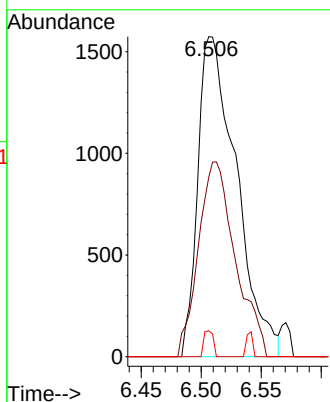
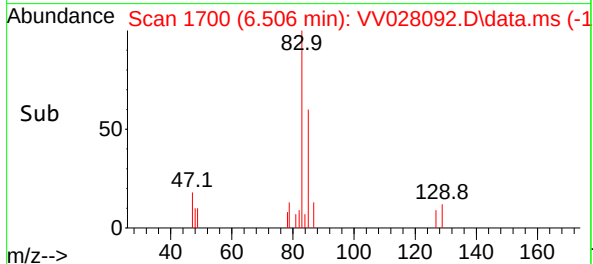
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-08



Tgt Ion: 83 Resp: 351
Ion Ratio Lower Upper
83 100
85 56.0 43.8 81.4
127 8.1 6.3 9.5

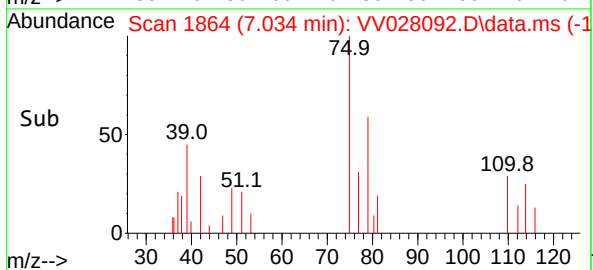
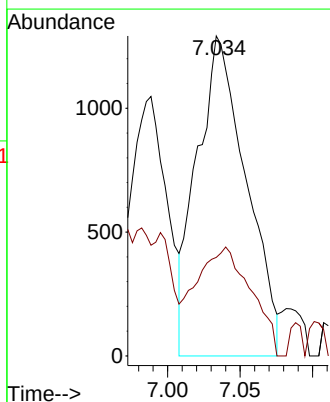
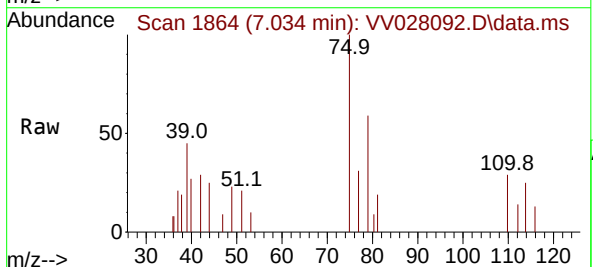
Manual Integrations
APPROVED

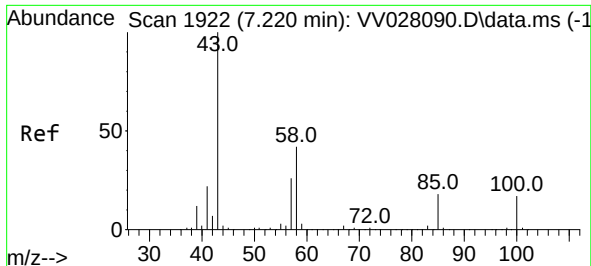
Reviewed By :Krupa Patel 09/27/2022
Supervised By :Mahesh Dadoda 09/27/2022



#39
cis-1,3-Dichloropropene
Concen: 0.169 ug/L m
RT: 7.034 min Scan# 1864
Delta R.T. 0.013 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

Tgt Ion: 75 Resp: 3052
Ion Ratio Lower Upper
75 100
77 30.8 22.4 41.6





#40

4-Methyl-2-pentanone

Concen: 1.336 ug/L

RT: 7.233 min Scan# 1922

Delta R.T. 0.013 min

Lab File: VV028092.D

Acq: 23 Sep 2022 10:35

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2022-08

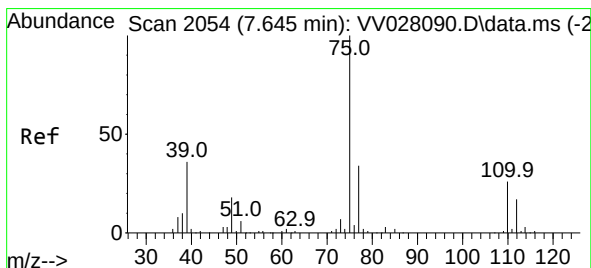
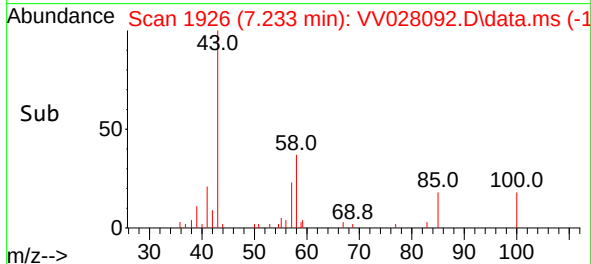
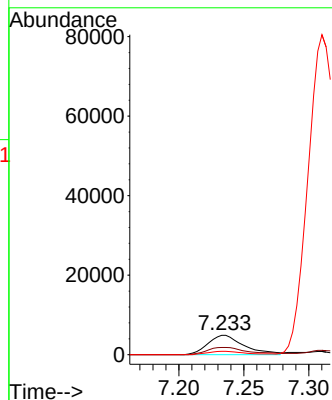
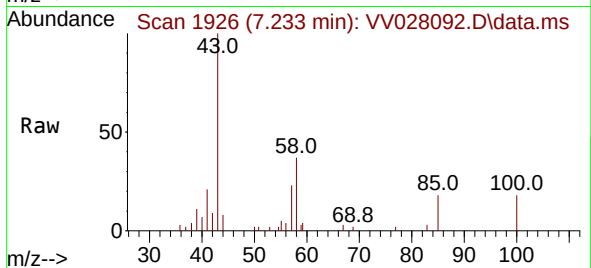
Tgt Ion: 43 Resp: 945
 Ion Ratio Lower Upper
 43 100
 58 44.3 32.2 48.4
 100 0.0 12.7 19.1

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/27/2022

Supervised By :Mahesh Dadoda 09/27/2022



#44

trans-1,3-Dichloropropene

Concen: 0.156 ug/L m

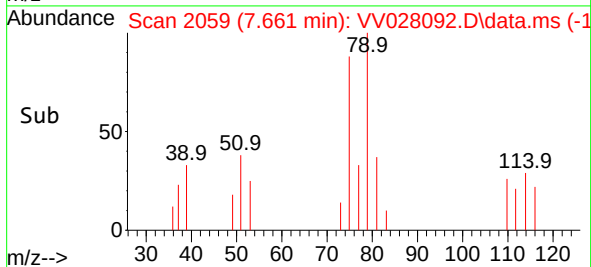
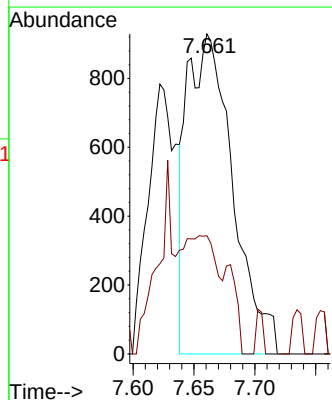
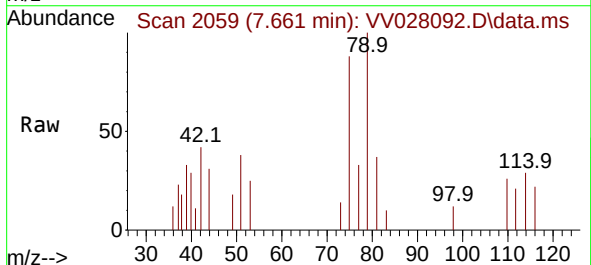
RT: 7.661 min Scan# 2059

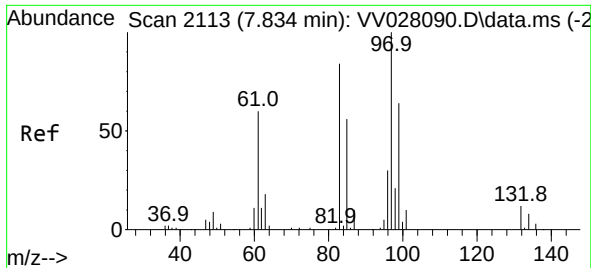
Delta R.T. 0.016 min

Lab File: VV028092.D

Acq: 23 Sep 2022 10:35

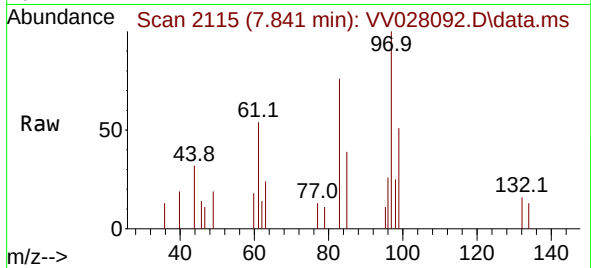
Tgt Ion: 75 Resp: 2424
 Ion Ratio Lower Upper
 75 100
 77 36.9 23.9 44.3





#45
1,1,2-Trichloroethane
Concen: 0.185 ug/L
RT: 7.841 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

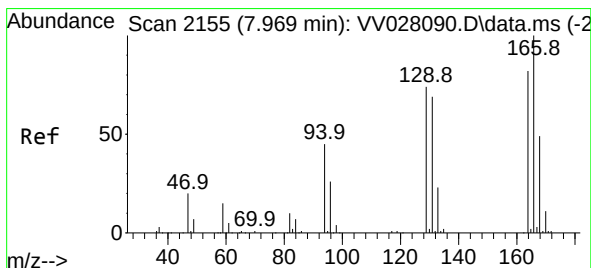
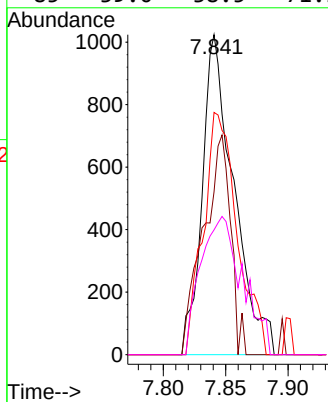
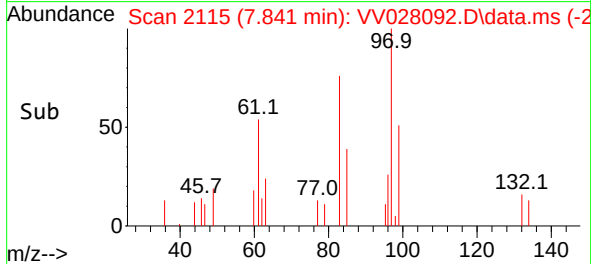
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-08



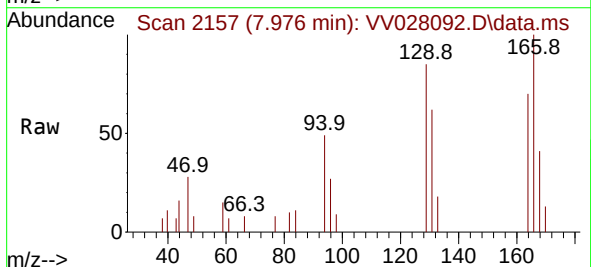
Tgt Ion	Ratio	Lower	Upper
97	100		
99	50.9	43.2	80.2
83	75.7	59.1	109.9
85	39.0	38.5	71.5

Manual Integrations
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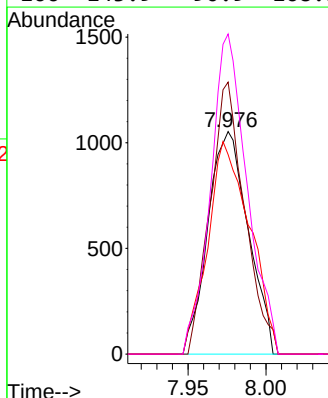
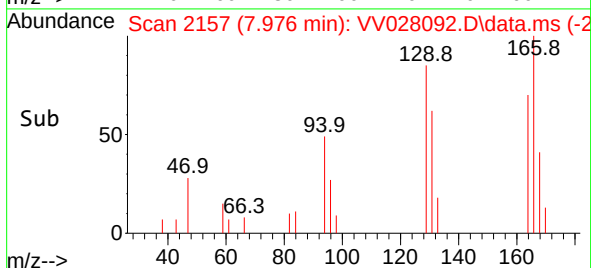
Reviewed By :Krupa Patel 09/27/2022
Supervised By :Mahesh Dadoda 09/27/2022

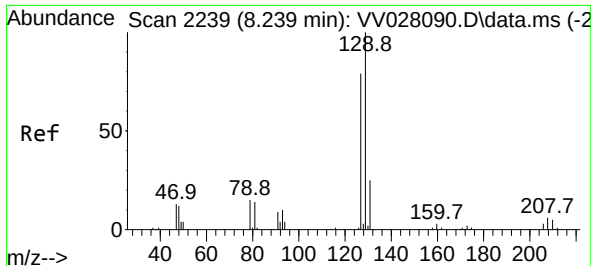


#47
Tetrachloroethene
Concen: 0.183 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.006 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35



Tgt Ion	Ratio	Lower	Upper
164	100		
129	122.2	66.7	123.9
131	89.6	61.7	114.5
166	143.9	90.9	168.9





#49

Dibromochloromethane

Concen: 0.194 ug/L

RT: 8.243 min Scan# 2240

Delta R.T. 0.003 min

Lab File: VV028092.D

Acq: 23 Sep 2022 10:35

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2022-08

Tgt Ion:129 Resp: 228

Ion Ratio Lower Upper

129 100

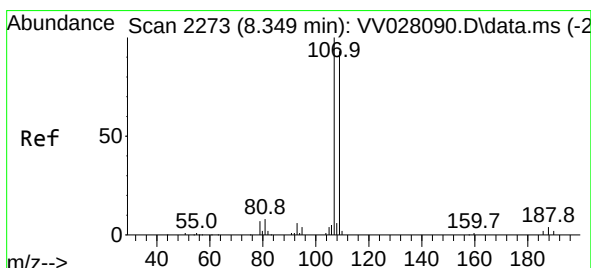
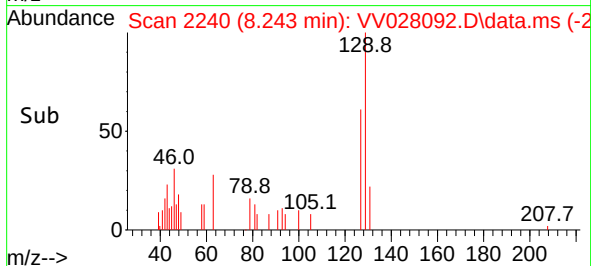
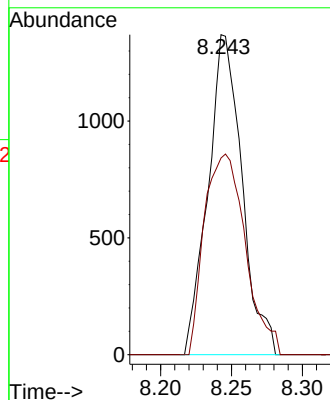
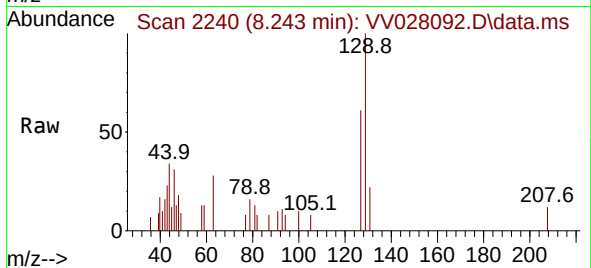
127 61.5 54.3 100.9

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/27/2022

Supervised By :Mahesh Dadoda 09/27/2022



#50

1,2-Dibromoethane

Concen: 0.174 ug/L

RT: 8.355 min Scan# 2275

Delta R.T. 0.006 min

Lab File: VV028092.D

Acq: 23 Sep 2022 10:35

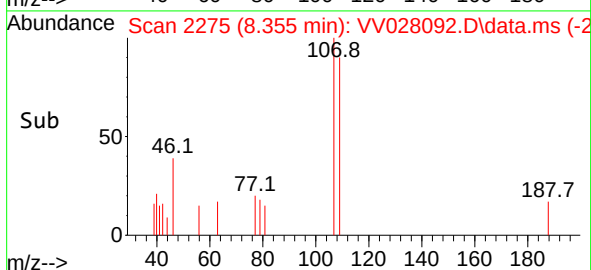
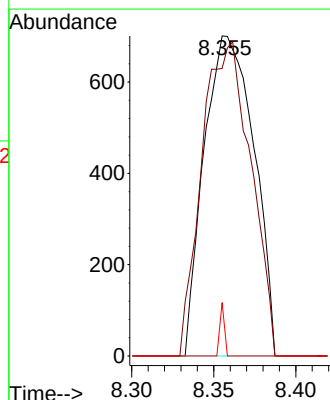
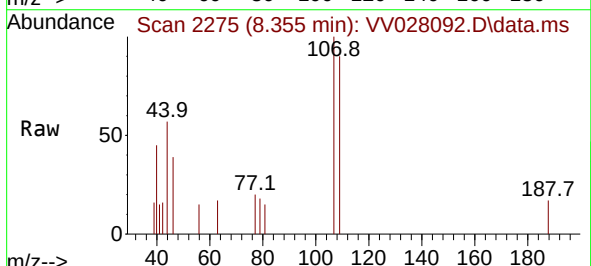
Tgt Ion:107 Resp: 1476

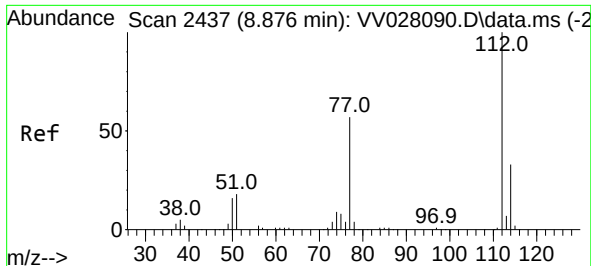
Ion Ratio Lower Upper

107 100

109 89.9 65.9 122.5

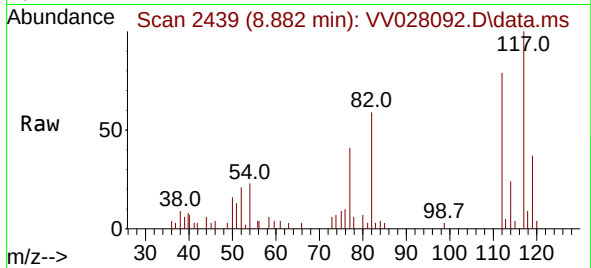
188 16.7 3.4 5.0#





#51
Chlorobenzene
Concen: 0.200 ug/L
RT: 8.882 min Scan# 2439
Delta R.T. 0.006 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

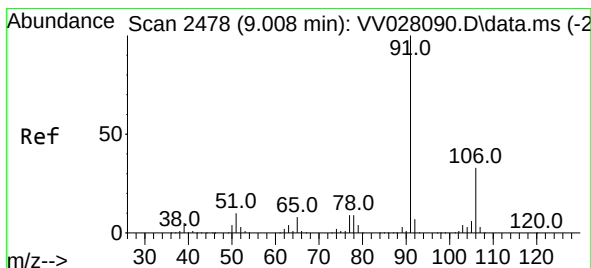
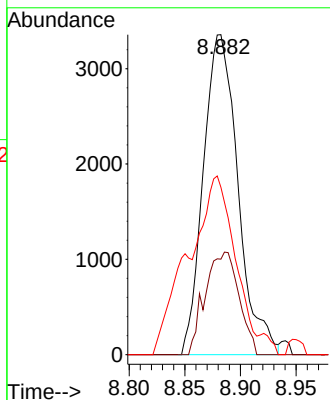
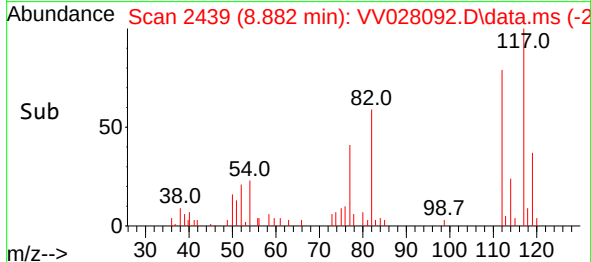
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-08



Tgt Ion:112 Resp: 727
Ion Ratio Lower Upper
112 100
114 27.9 22.5 41.7
77 48.9 46.1 69.1

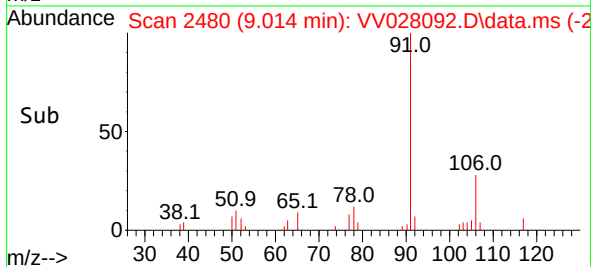
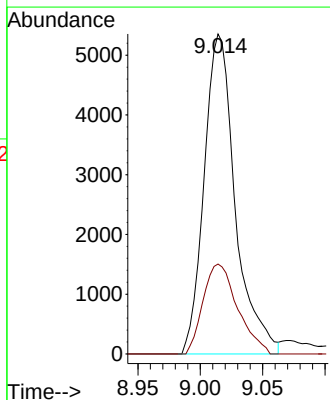
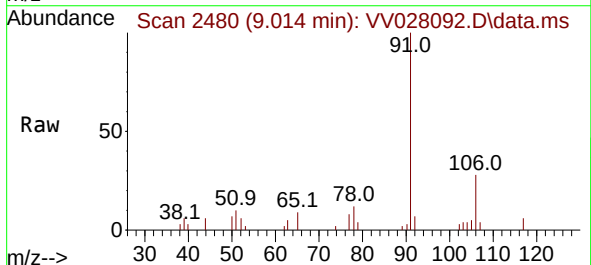
Manual Integrations
APPROVED

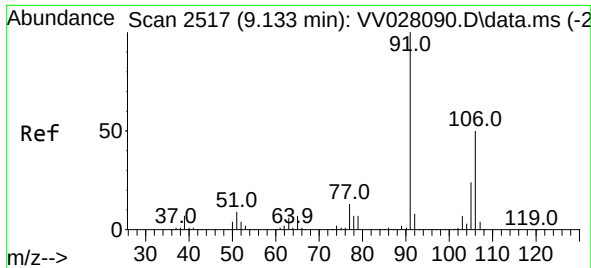
Reviewed By :Krupa Patel 09/27/2022
Supervised By :Mahesh Dadoda 09/27/2022



#52
Ethylbenzene
Concen: 0.162 ug/L
RT: 9.014 min Scan# 2480
Delta R.T. 0.006 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

Tgt Ion: 91 Resp: 9314
Ion Ratio Lower Upper
91 100
106 28.1 21.5 39.9





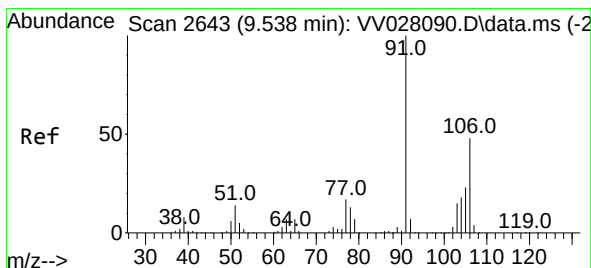
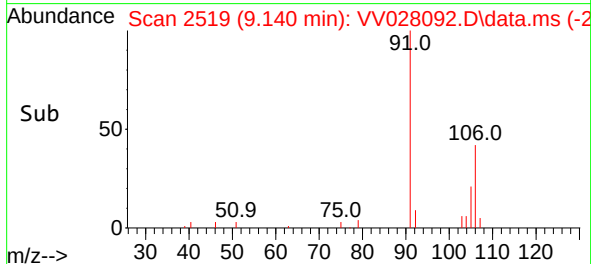
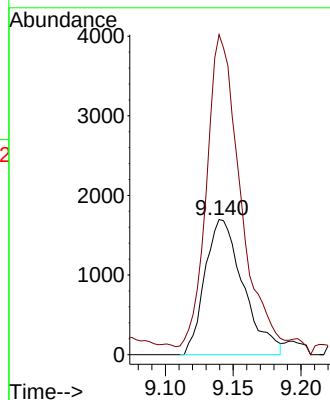
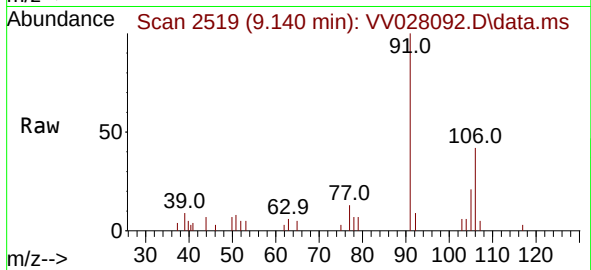
#53
m,p-Xylene
Concen: 0.152 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.006 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-08

Tgt Ion:106 Resp: 3340
Ion Ratio Lower Upper
106 100
91 236.7 141.9 263.5

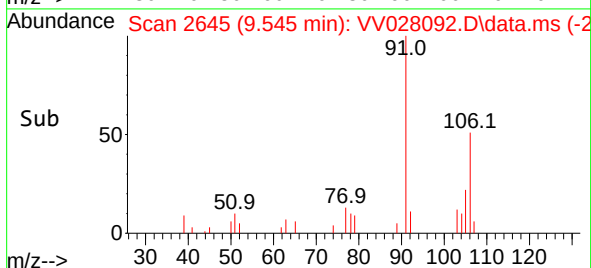
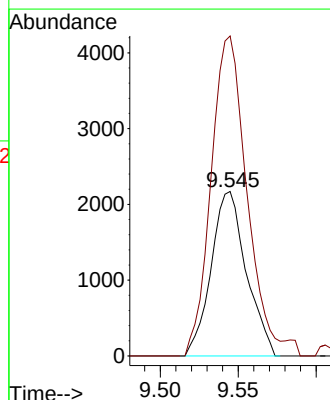
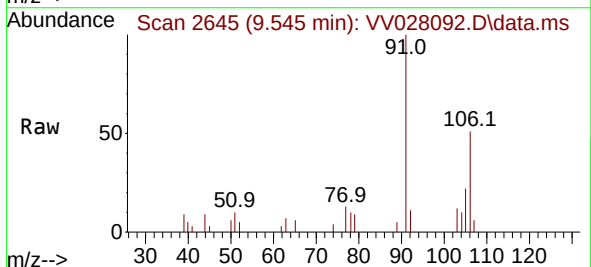
Manual Integrations
APPROVED

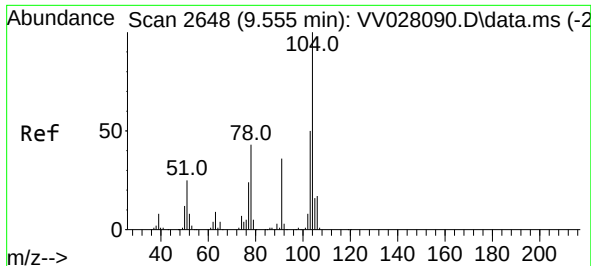
Reviewed By :Krupa Patel 09/27/2022
Supervised By :Mahesh Dadoda 09/27/2022



#54
o-Xylene
Concen: 0.157 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.006 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

Tgt Ion:106 Resp: 3409
Ion Ratio Lower Upper
106 100
91 194.5 148.1 275.0





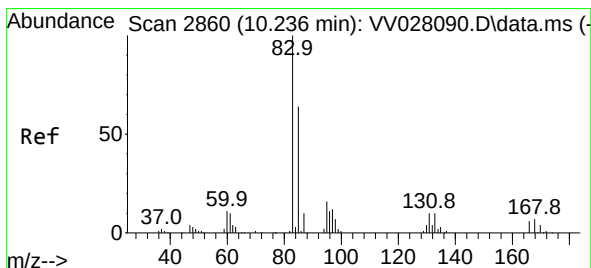
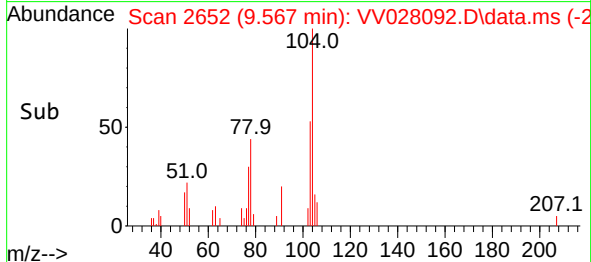
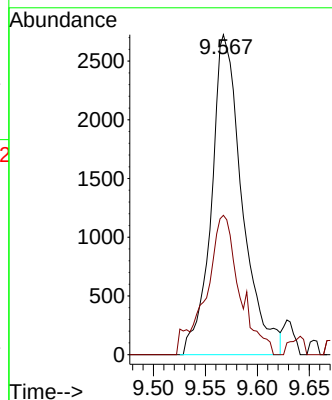
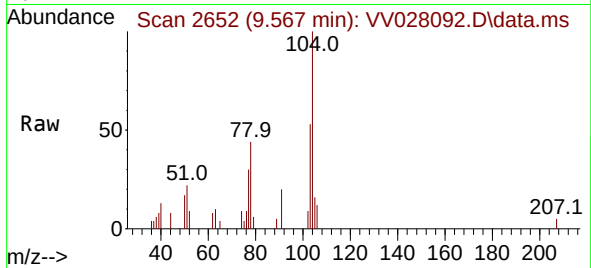
#55
Styrene
Concen: 0.149 ug/L
RT: 9.567 min Scan# 2652
Delta R.T. 0.013 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-08

Tgt Ion:104 Resp: 5609
Ion Ratio Lower Upper
104 100
78 43.6 31.0 57.6

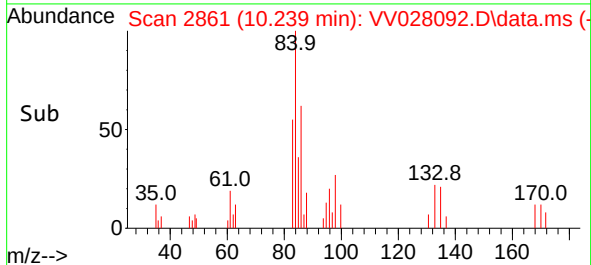
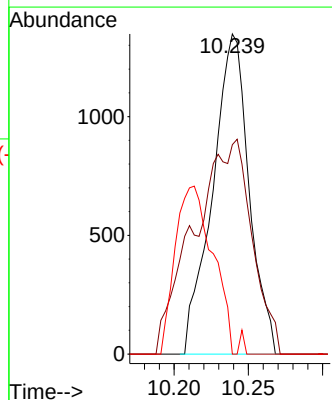
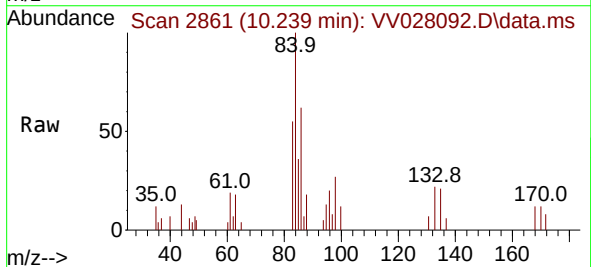
Manual Integrations
APPROVED

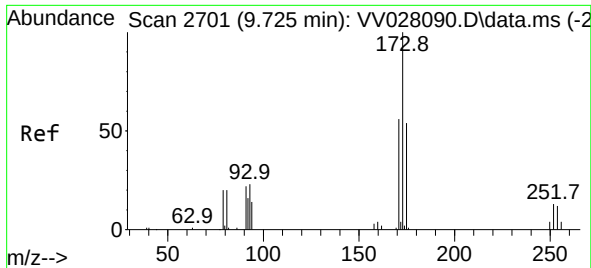
Reviewed By :Krupa Patel 09/27/2022
Supervised By :Mahesh Dadoda 09/27/2022



#57
1,1,2,2-Tetrachloroethane
Concen: 0.202 ug/L
RT: 10.239 min Scan# 2861
Delta R.T. 0.003 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

Tgt Ion: 83 Resp: 2304
Ion Ratio Lower Upper
83 100
85 65.4 45.2 84.0
131 0.0 7.8 11.8





#59

Bromoform

Concen: 0.230 ug/L

RT: 9.731 min Scan# 2701

Delta R.T. 0.006 min

Lab File: VV028092.D

Acq: 23 Sep 2022 10:35

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2022-08

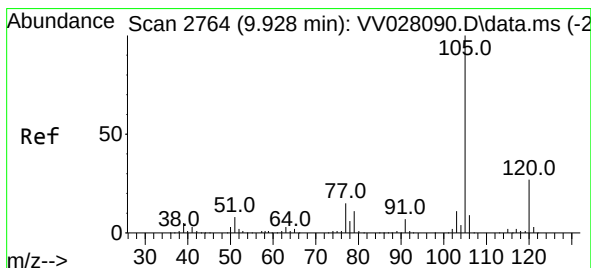
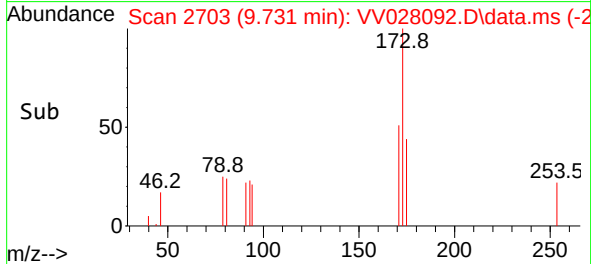
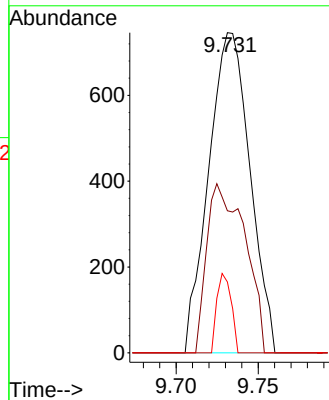
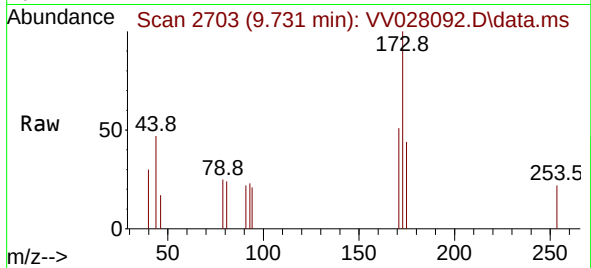
Tgt Ion:173	Resp:	130
Ion Ratio	Lower	Upper
173	100	
175	48.9	39.0 58.4
254	8.6	8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/27/2022

Supervised By :Mahesh Dadoda 09/27/2022



#60

Isopropylbenzene

Concen: 0.168 ug/L

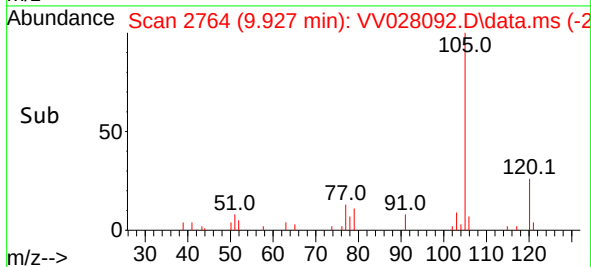
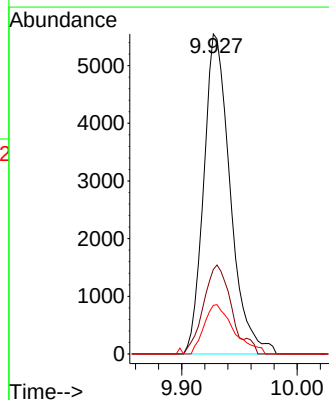
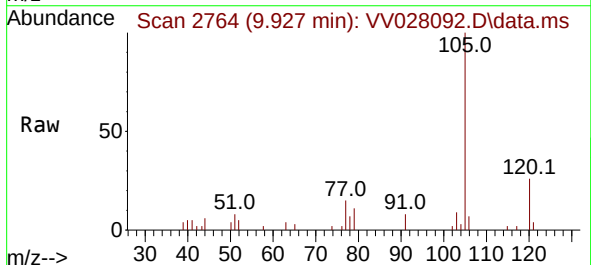
RT: 9.927 min Scan# 2764

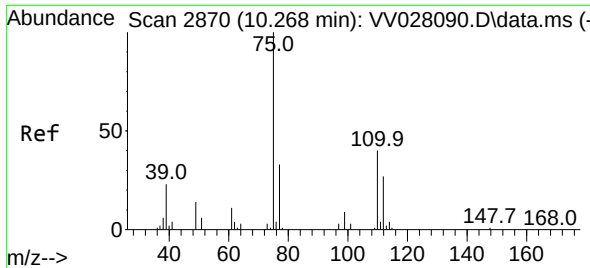
Delta R.T. -0.000 min

Lab File: VV028092.D

Acq: 23 Sep 2022 10:35

Tgt Ion:105	Resp:	8838
Ion Ratio	Lower	Upper
105	100	
120	29.4	21.4 32.0
77	17.2	12.2 18.4





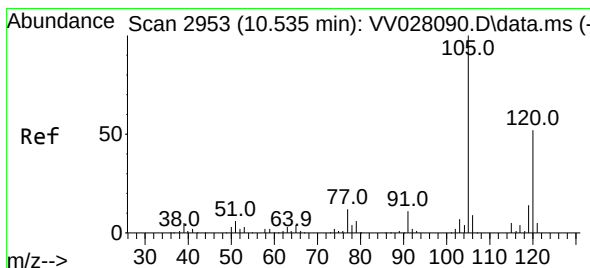
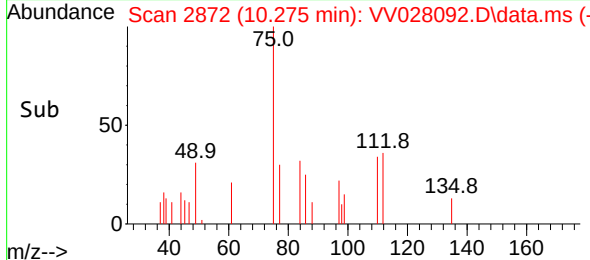
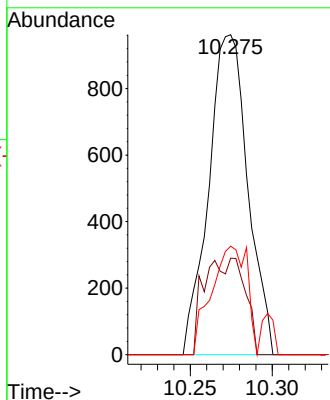
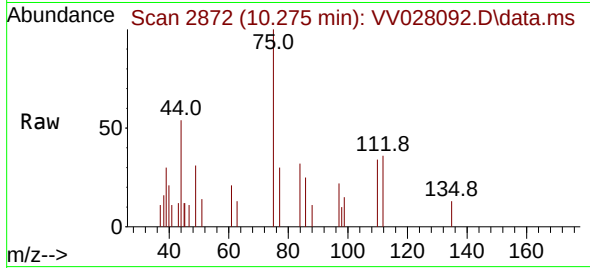
#61
1,2,3-Trichloropropane
Concen: 0.213 ug/L
RT: 10.275 min Scan# 2870
Delta R.T. 0.006 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-08

Tgt Ion: 75 Resp: 1590
Ion Ratio Lower Upper
75 100
77 13.7 26.7 40.1
110 31.0 30.1 45.1

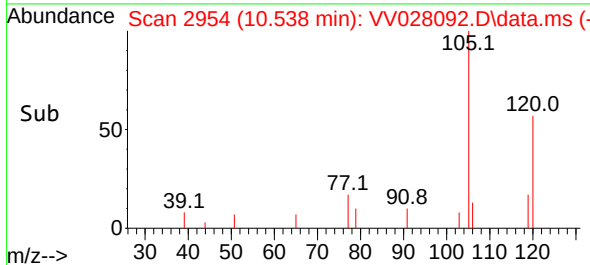
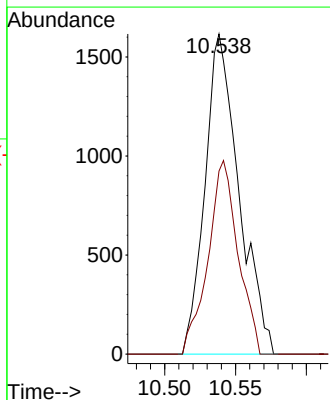
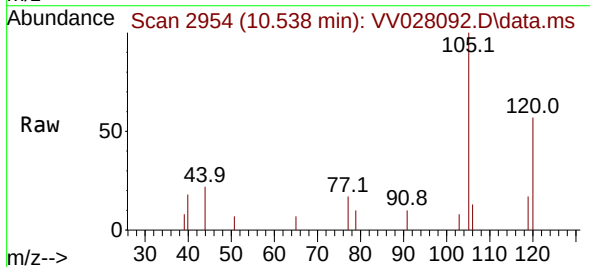
Manual Integrations
APPROVED

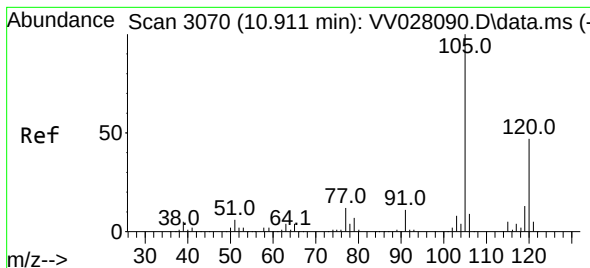
Reviewed By :Krupa Patel 09/27/2022
Supervised By :Mahesh Dadoda 09/27/2022



#62
1,3,5-Trimethylbenzene
Concen: 0.182 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. 0.003 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

Tgt Ion:105 Resp: 2697
Ion Ratio Lower Upper
105 100
120 53.4 40.6 61.0





#63

1,2,4-Trimethylbenzene

Concen: 0.165 ug/L

RT: 10.918 min Scan# 3070

Delta R.T. 0.006 min

Lab File: VV028092.D

Acq: 23 Sep 2022 10:35

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2022-08

Tgt Ion:105 Resp: 681

Ion Ratio Lower Upper

105 100

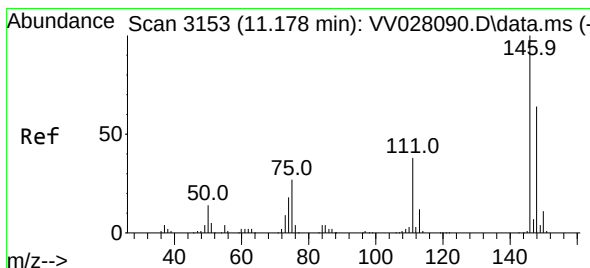
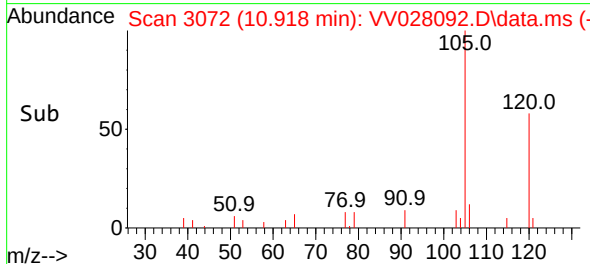
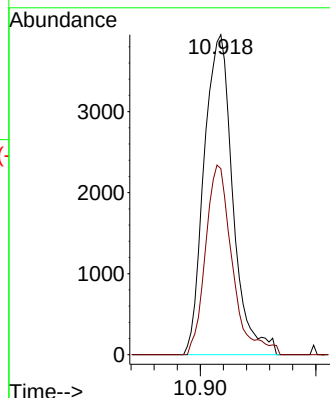
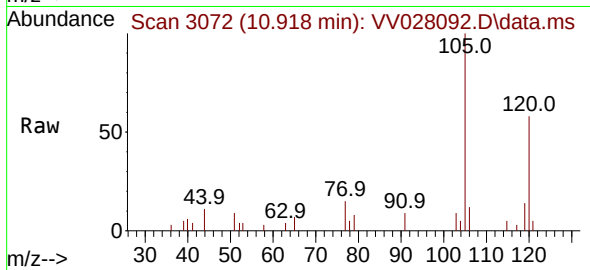
120 55.3 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/27/2022

Supervised By :Mahesh Dadoda 09/27/2022



#64

1,3-Dichlorobenzene

Concen: 0.203 ug/L

RT: 11.178 min Scan# 3153

Delta R.T. -0.000 min

Lab File: VV028092.D

Acq: 23 Sep 2022 10:35

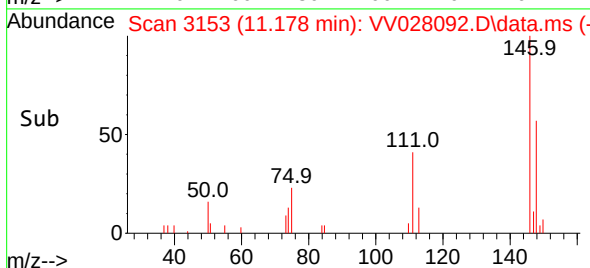
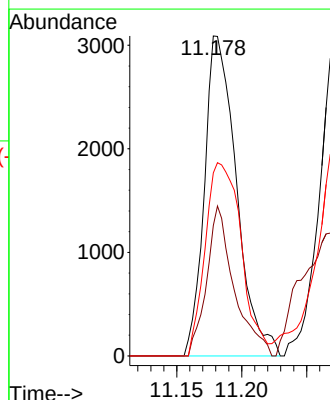
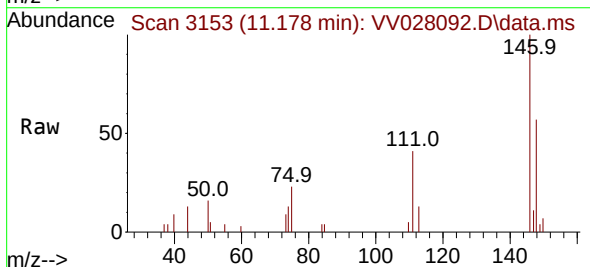
Tgt Ion:146 Resp: 5297

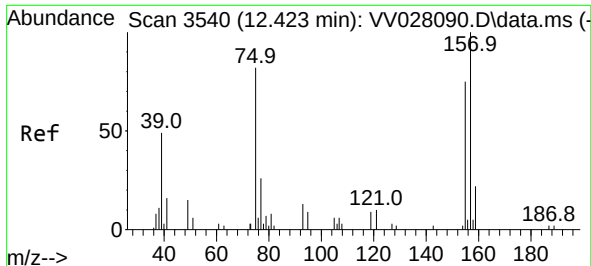
Ion Ratio Lower Upper

146 100

111 40.7 27.1 50.3

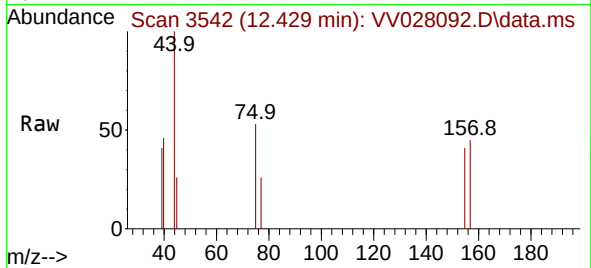
148 57.2 45.7 84.9





#68
1,2-Dibromo-3-chloropropane
Concen: 0.170 ug/L
RT: 12.429 min Scan# 3540
Delta R.T. 0.006 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35

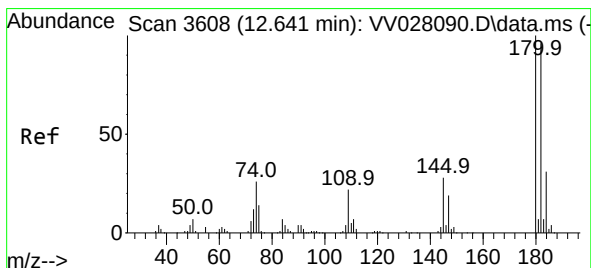
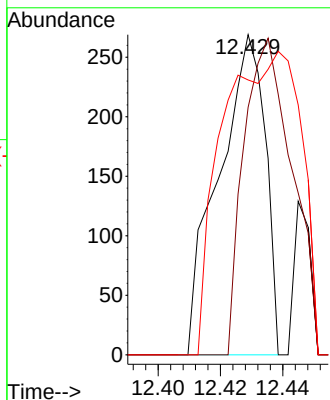
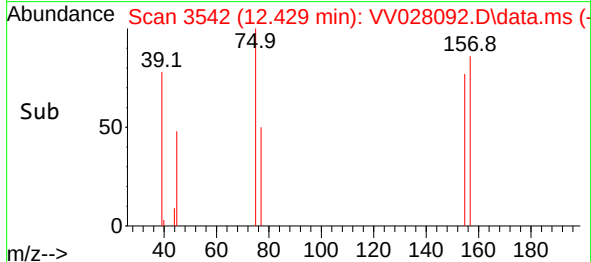
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-08



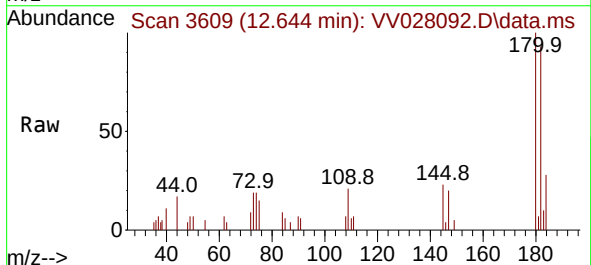
Tgt Ion: 75 Resp: 279
Ion Ratio Lower Upper
75 100
155 77.3 73.6 110.4
157 85.9 90.7 136.1

Manual Integrations
APPROVED

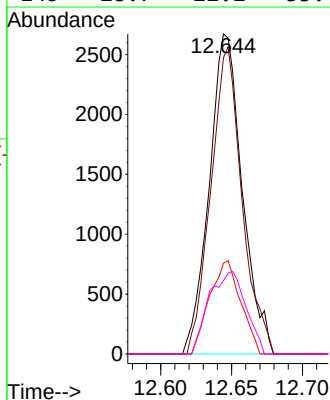
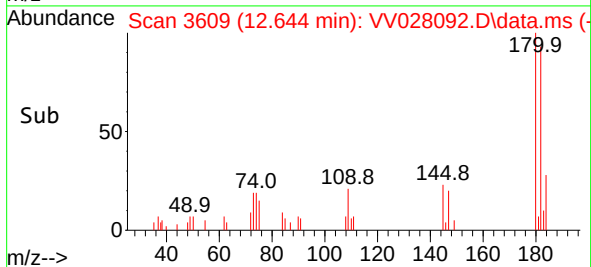
Reviewed By :Krupa Patel 09/27/2022
Supervised By :Mahesh Dadoda 09/27/2022

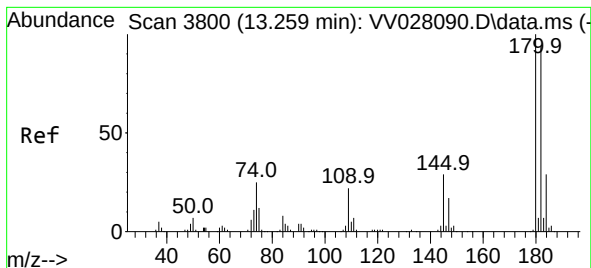


#69
1,3,5-Trichlorobenzene
Concen: 0.209 ug/L
RT: 12.644 min Scan# 3609
Delta R.T. 0.003 min
Lab File: VV028092.D
Acq: 23 Sep 2022 10:35



Tgt Ion:180 Resp: 4326
Ion Ratio Lower Upper
180 100
182 90.3 75.5 113.3
184 27.6 23.7 35.5
145 28.7 22.2 33.4





#70

1,2,4-trichlorobenzene

Concen: 0.221 ug/L

RT: 13.265 min Scan# 3802

Delta R.T. 0.006 min

Lab File: VV028092.D

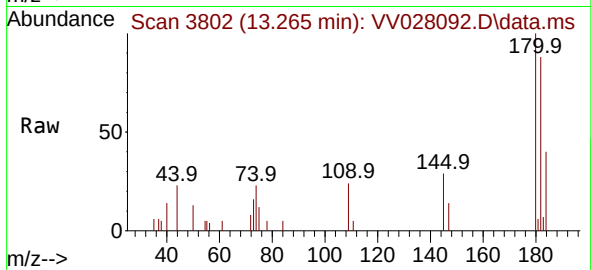
Acq: 23 Sep 2022 10:35

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2022-08



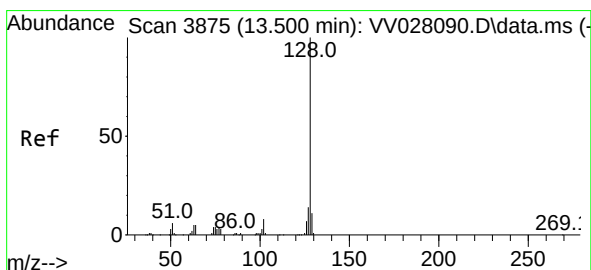
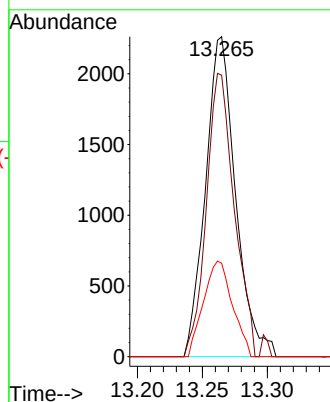
Tgt Ion:	180	Resp:	3640
Ion Ratio	Lower	Upper	
180	100		
182	82.1	76.3	114.5
145	28.7	22.9	34.3

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/27/2022

Supervised By :Mahesh Dadoda 09/27/2022



#71

Naphthalene

Concen: 0.201 ug/L

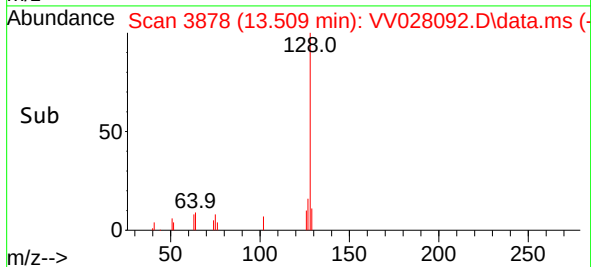
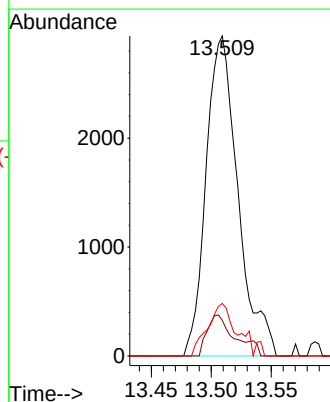
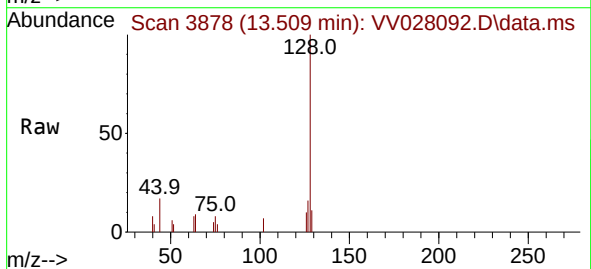
RT: 13.509 min Scan# 3878

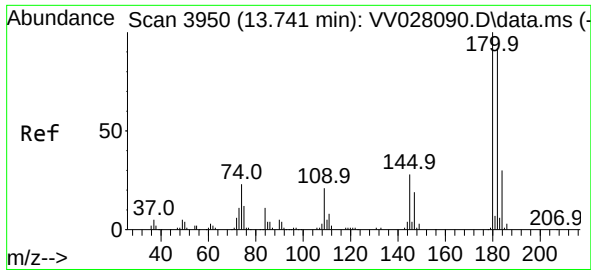
Delta R.T. 0.009 min

Lab File: VV028092.D

Acq: 23 Sep 2022 10:35

Tgt Ion:	128	Resp:	5434
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.2	12.2
127	12.4	10.4	15.6





#72

1,2,3-Trichlorobenzene

Concen: 0.191 ug/L

RT: 13.747 min Scan# 3950

Delta R.T. 0.006 min

Lab File: VV028092.D

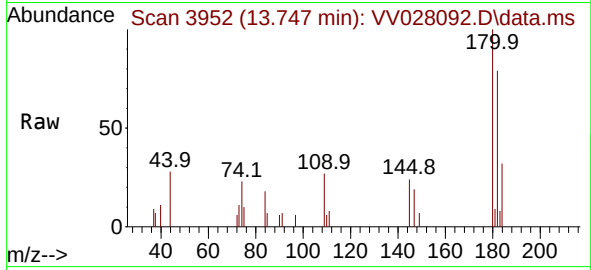
Acq: 23 Sep 2022 10:35

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2022-08



Tgt Ion:180 Resp: 285

Ion Ratio Lower Upper

180 100

182 99.7 77.4 116.0

145 30.5 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/27/2022

Supervised By :Mahesh Dadoda 09/27/2022

