

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101022\
 Data File : VW028493.D
 Acq On : 10 Oct 2022 10:49
 Operator : SY/MD
 Sample : N4519-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2022-07

Quant Time: Oct 11 04:35:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 11 02:53:11 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/11/2022
 Supervised By :Mahesh Dadoda 10/11/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	358614	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	320950	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	164852	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	136516	49.336	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	98.680%		
7) Chloroethane-d5	1.564	69	102900	46.899	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.800%		
11) 1,1-Dichloroethene-d2	2.101	63	178976	38.004	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	76.000%		
21) 2-Butanone-d5	3.889	46	160741	66.359	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	66.360%		
24) Chloroform-d	4.339	84	251153	49.489	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.980%		
26) 1,2-Dichloroethane-d4	5.024	65	171011	52.250	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.500%		
32) Benzene-d6	5.043	84	531517	51.682	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.360%		
36) 1,2-Dichloropropane-d6	6.063	67	164867	49.168	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.340%		
41) Toluene-d8	7.310	98	480413	52.175	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.360%		
43) trans-1,3-Dichloroprop...	7.616	79	82704	48.390	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.780%		
47) 2-Hexanone-d5	8.082	63	154832	84.884	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	84.880%		
56) 1,1,2,2-Tetrachloroeth...	10.207	84	209181	45.589	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.180%		
66) 1,2-Dichlorobenzene-d4	11.615	152	180419	52.818	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.640%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	5063	1.875	ug/L	95
3) Chloromethane	1.236	50	5010	1.648	ug/L	96
5) Vinyl chloride	1.307	62	5722	1.876	ug/L #	39
6) Bromomethane	1.519	94	3143	2.260	ug/L	100
8) Chloroethane	1.580	64	4003m	2.162	ug/L	
9) Trichlorofluoromethane	1.751	101	6983	1.852	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	5023	2.351	ug/L	86
12) 1,1-Dichloroethene	2.111	96	5261	2.508	ug/L #	1
13) Acetone	2.185	43	7267m	3.873	ug/L	
14) Carbon disulfide	2.288	76	13764	2.052	ug/L	97
15) Methyl Acetate	2.436	43	5361m	1.692	ug/L	
17) trans-1,2-Dichloroethene	2.757	96	4924	2.013	ug/L	97
18) Methyl tert-butyl Ether	2.764	73	16976	1.887	ug/L	96
19) 1,1-Dichloroethane	3.185	63	9342	1.869	ug/L	96
20) cis-1,2-Dichloroethene	3.908	96	5315	1.907	ug/L	88
22) 2-Butanone	3.995	43	9733m	3.935	ug/L	
23) Bromochloromethane	4.256	128	2570m	1.897	ug/L	
27) 1,2-Dichloroethane	5.140	62	7704	2.061	ug/L	99
29) Cyclohexane	4.667	56	8510	1.843	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	4.600	97	8198	1.977	ug/L	97
31) Carbon tetrachloride	4.828	117	7416m	2.137	ug/L	
33) Benzene	5.098	78	20132	1.907	ug/L	100
35) Methylcyclohexane	6.124	83	7845	1.723	ug/L #	87
37) 1,2-Dichloropropane	6.175	63	5111	1.806	ug/L #	93
38) Bromodichloromethane	6.513	83	6706	1.819	ug/L #	97
39) cis-1,3-Dichloropropene	7.030	75	8183	1.818	ug/L	92
40) 4-Methyl-2-pentanone	7.230	43	15031	3.114	ug/L	99
42) Toluene	7.387	91	20282	1.864	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	7970	1.845	ug/L	92
45) 1,1,2-Trichloroethane	7.837	97	4631	1.767	ug/L	95
46) Tetrachloroethene	7.969	164	3734	1.985	ug/L	90
49) Dibromochloromethane	8.243	129	5074	1.801	ug/L	94
50) 1,2-Dibromoethane	8.355	107	4813	1.773	ug/L	98
51) Chlorobenzene	8.876	112	13410	1.964	ug/L	98
52) Ethylbenzene	9.011	91	22389	1.888	ug/L	99
53) m,p-Xylene	9.136	106	8382	1.865	ug/L	97
54) o-Xylene	9.538	106	8472	1.882	ug/L	99
55) Styrene	9.561	104	13684	1.770	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.233	83	8374	1.865	ug/L #	99
59) Bromoform	9.728	173	3416	1.673	ug/L #	94
60) Isopropylbenzene	9.924	105	22199	1.869	ug/L	97
61) 1,2,3-Trichloropropane	10.268	75	6215	1.771	ug/L	97
62) 1,3,5-Trimethylbenzene	10.532	105	19453	1.891	ug/L	97
63) 1,2,4-Trimethylbenzene	10.908	105	18558	1.817	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	10485	2.018	ug/L	92
65) 1,4-Dichlorobenzene	11.265	146	10745	2.073	ug/L	97
67) 1,2-Dichlorobenzene	11.635	146	10861	2.071	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.422	75	1751	1.630	ug/L	91
69) 1,3,5-Trichlorobenzene	12.638	180	6744	1.709	ug/L	95
70) 1,2,4-trichlorobenzene	13.255	180	4930	1.417	ug/L	83
71) Naphthalene	13.496	128	18858	1.743	ug/L	96
72) 1,2,3-Trichlorobenzene	13.738	180	6006	1.771	ug/L	96

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

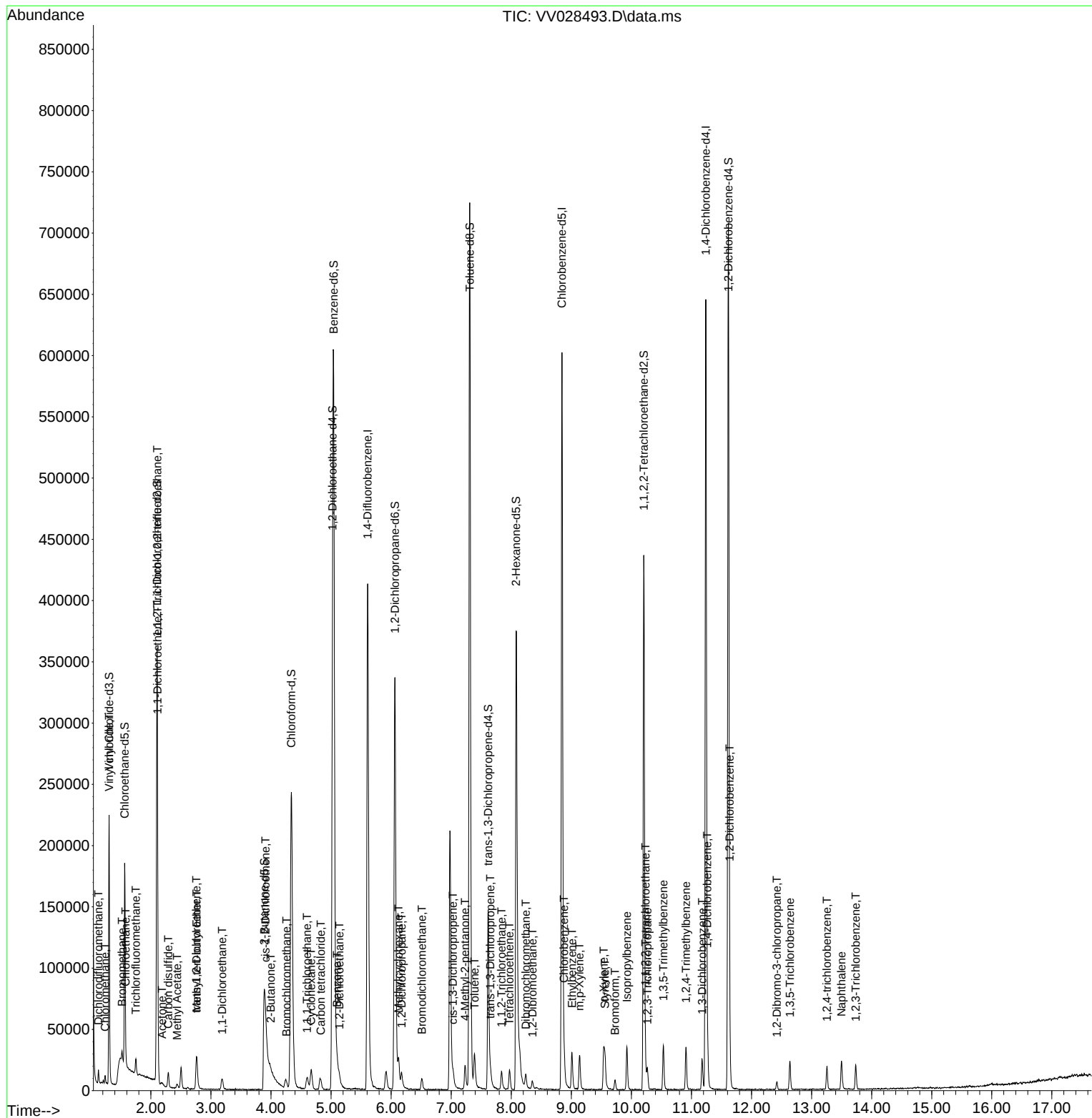
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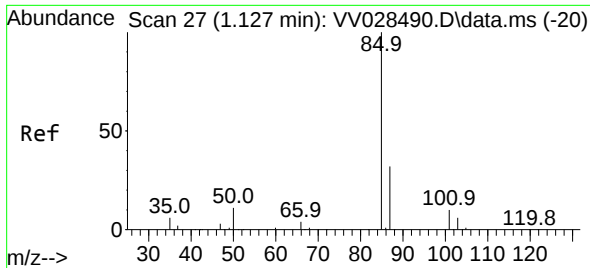
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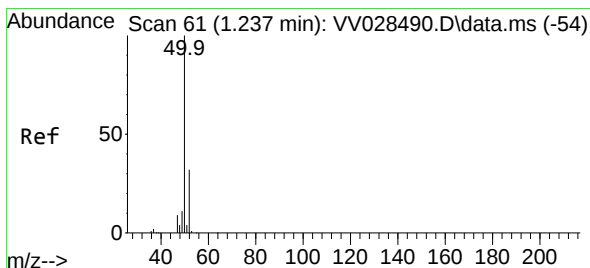
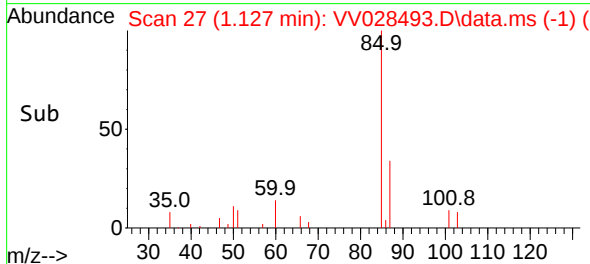
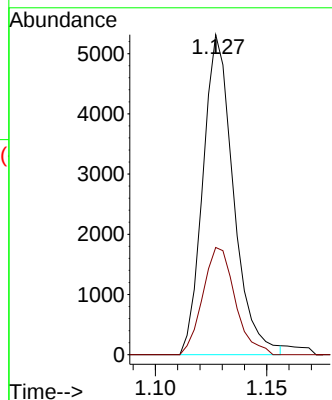
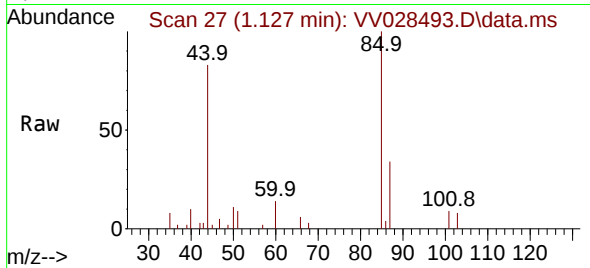
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 Dichlorodifluoromethane
 Concen: 1.875 ug/L
 RT: 1.127 min Scan# 27
 Delta R.T. -0.000 min
 Lab File: VV028493.D
 Acq: 10 Oct 2022 10:49

Instrument : MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2022-07

Tgt Ion: 85 Resp: 506
 Ion Ratio Lower Upper
 85 100
 87 35.5 25.9 38.9

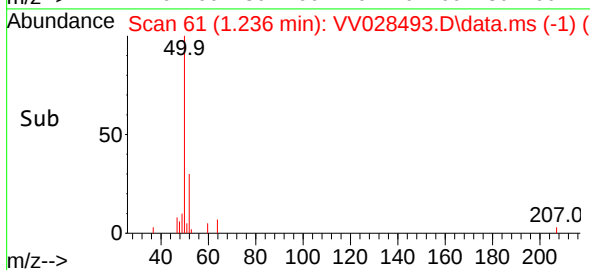
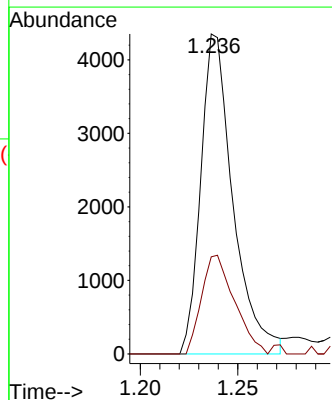
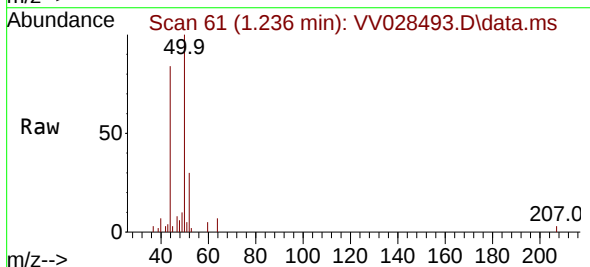
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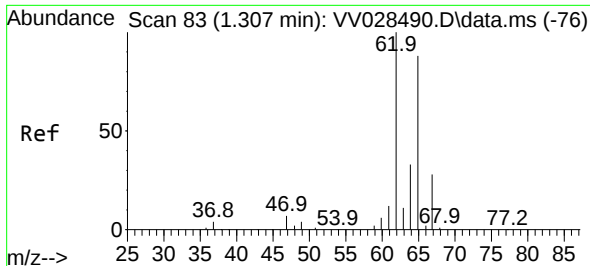
Reviewed By :Krupa Patel 10/11/2022
 Supervised By :Mahesh Dadoda 10/11/2022



#3
 Chloromethane
 Concen: 1.648 ug/L
 RT: 1.236 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VV028493.D
 Acq: 10 Oct 2022 10:49

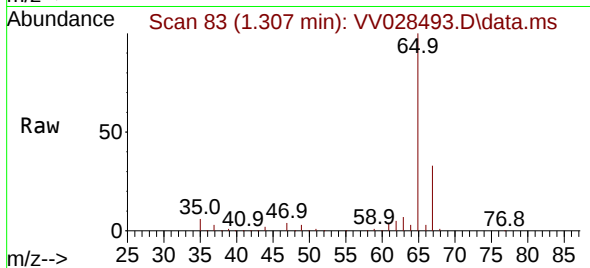
Tgt Ion: 50 Resp: 5010
 Ion Ratio Lower Upper
 50 100
 52 30.4 22.7 42.3





#5
 Vinyl chloride
 Concen: 1.876 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VV028493.D
 Acq: 10 Oct 2022 10:49

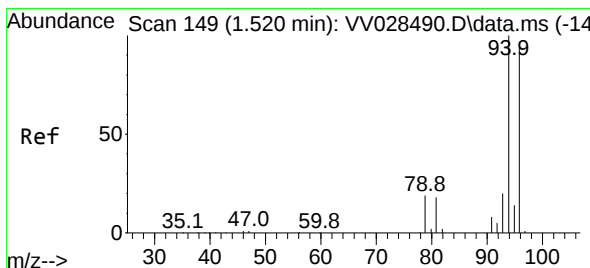
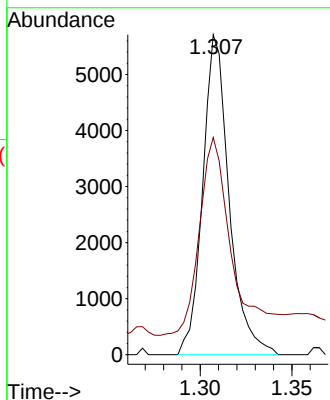
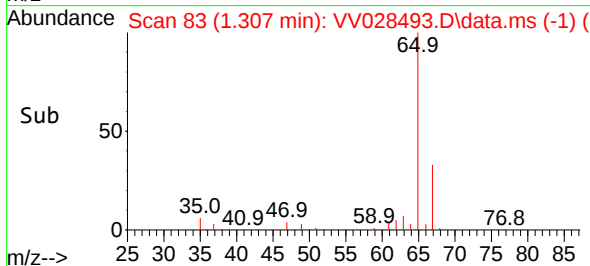
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2022-07



Tgt Ion: 62 Resp: 572
 Ion Ratio Lower Upper
 62 100
 64 67.8 23.3 43.3

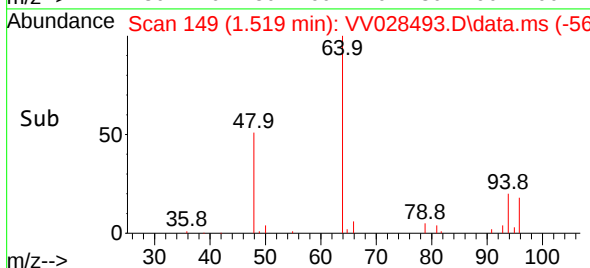
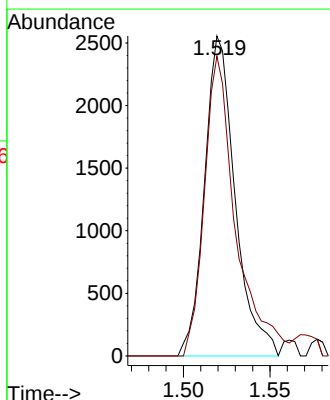
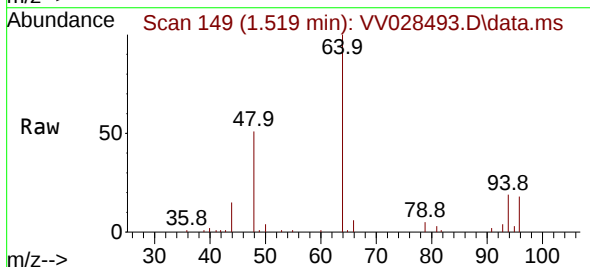
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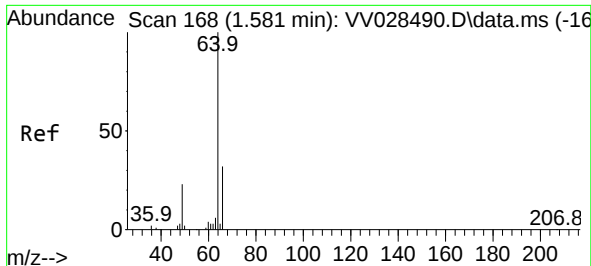
Reviewed By :Krupa Patel 10/11/2022
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#6
 Bromomethane
 Concen: 2.260 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.000 min
 Lab File: VV028493.D
 Acq: 10 Oct 2022 10:49

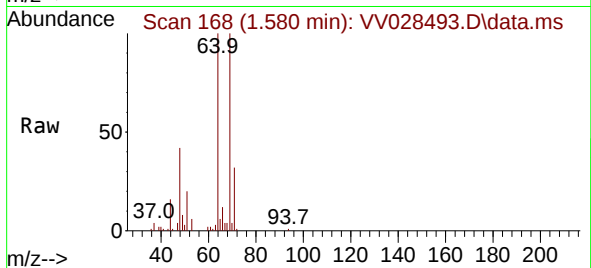
Tgt Ion: 94 Resp: 3143
 Ion Ratio Lower Upper
 94 100
 96 93.7 65.5 121.6





#8
Chloroethane
Concen: 2.162 ug/L m
RT: 1.580 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

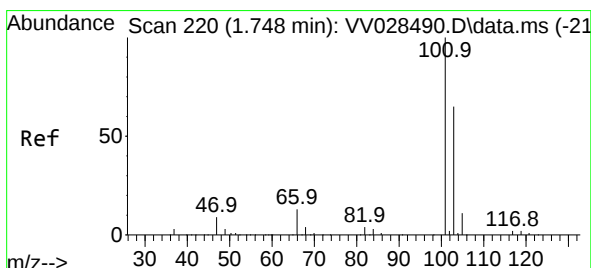
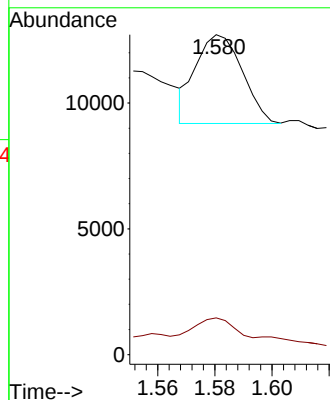
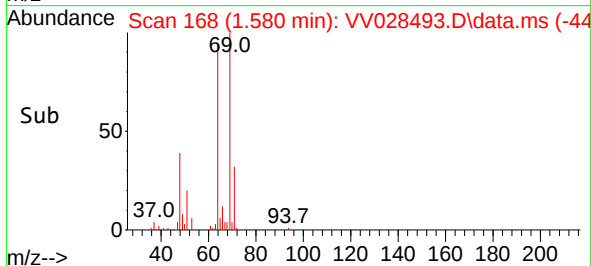
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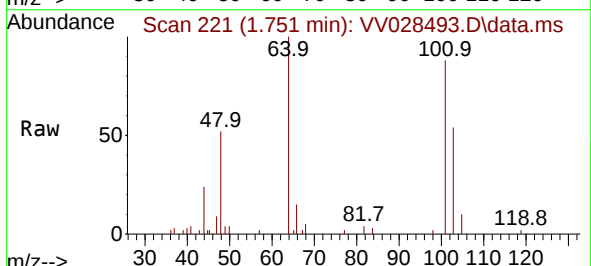
Tgt Ion: 64 Resp: 400
Ion Ratio Lower Upper
64 100
66 11.5 22.2 41.2

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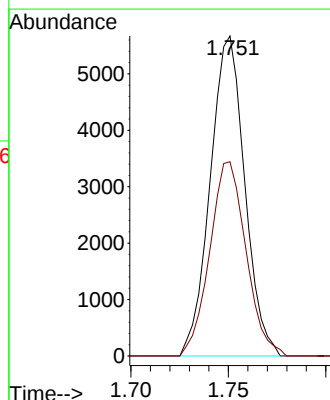
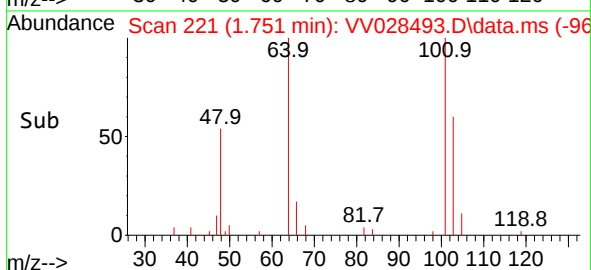
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Supervised By :Mahesh Dadoda 10/11/2022

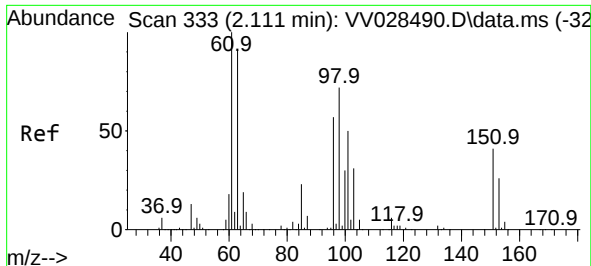


#9
Trichlorofluoromethane
Concen: 1.852 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.003 min
Lab File: VV028493.D
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Tgt Ion:101 Resp: 6983
Ion Ratio Lower Upper
101 100
103 63.8 50.7 76.1





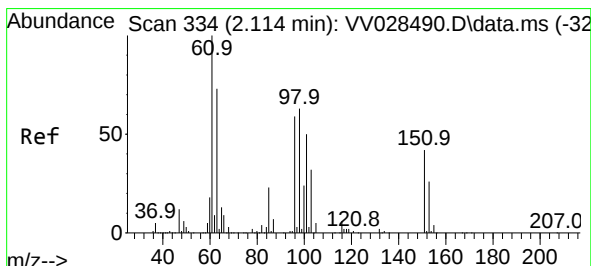
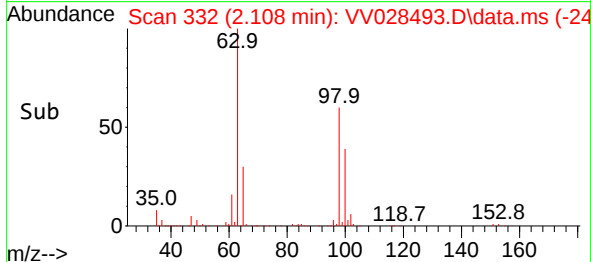
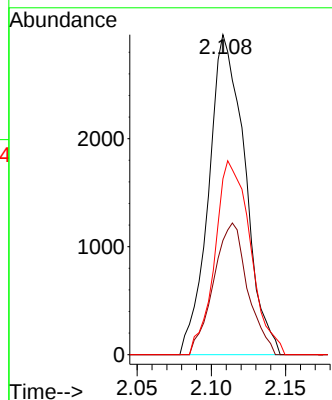
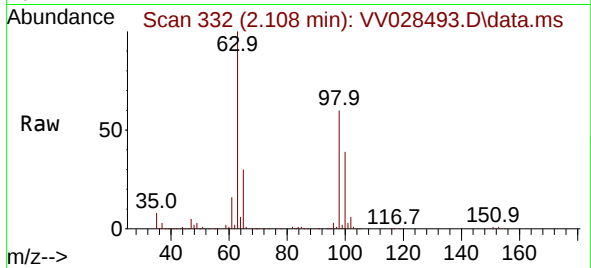
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.351 ug/L
RT: 2.108 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV028493.D
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Tgt Ion:101 Resp: 502
Ion Ratio Lower Upper
101 100
85 38.7 34.9 52.3
151 59.5 59.2 88.8

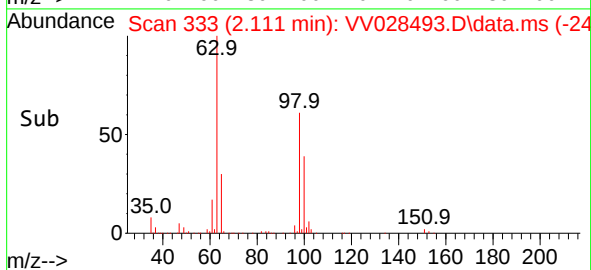
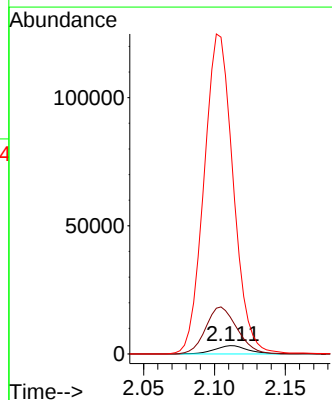
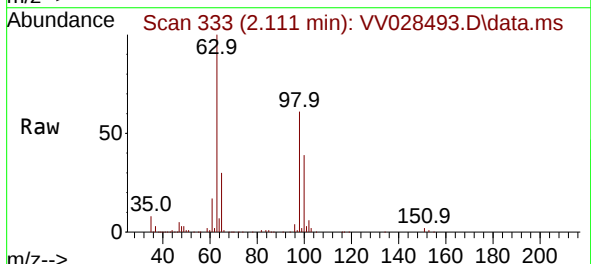
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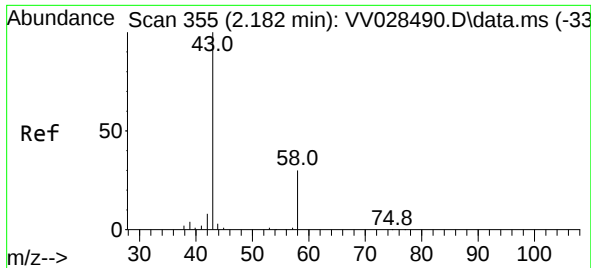
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022



#12
1,1-Dichloroethene
Concen: 2.508 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.003 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

Tgt Ion: 96 Resp: 5261
Ion Ratio Lower Upper
96 100
61 446.0 125.6 233.2#
63 2633.9 100.0 185.6#





#13

Acetone

Concen: 3.873 ug/L m

RT: 2.185 min Scan# 3

Delta R.T. 0.003 min

Lab File: VV028493.D

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MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2022-07

Tgt Ion: 43 Resp: 726

Ion Ratio Lower Upper

43 100

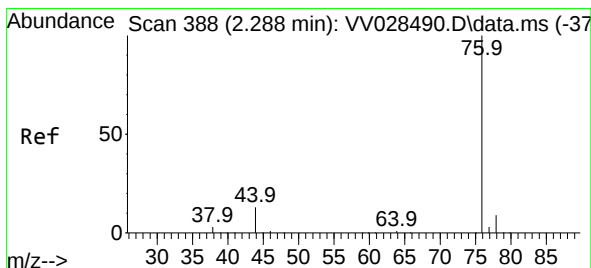
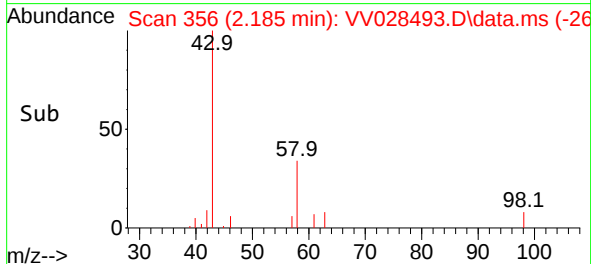
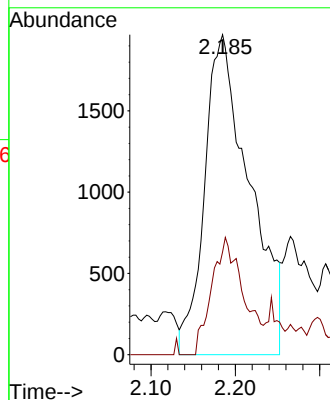
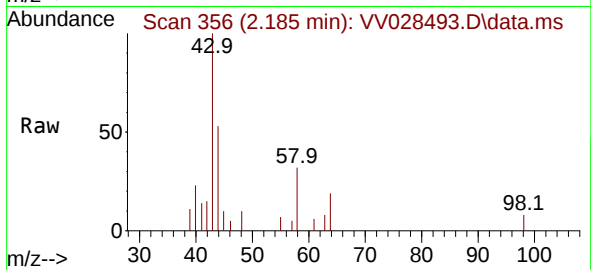
58 1.7 0.0 47.0

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Supervised By :Mahesh Dadoda 10/11/2022



#14

Carbon disulfide

Concen: 2.052 ug/L

RT: 2.288 min Scan# 388

Delta R.T. -0.000 min

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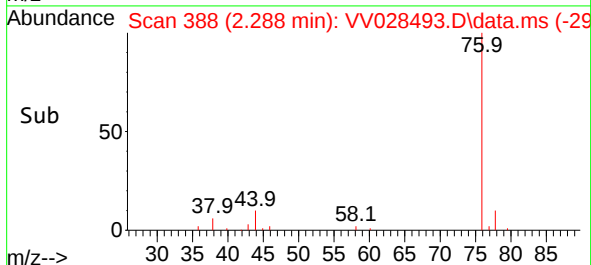
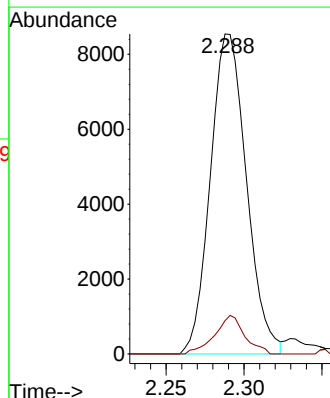
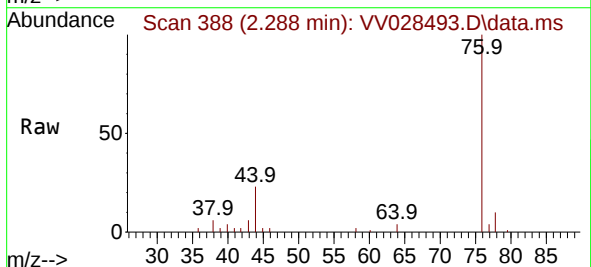
Acq: 10 Oct 2022 10:49

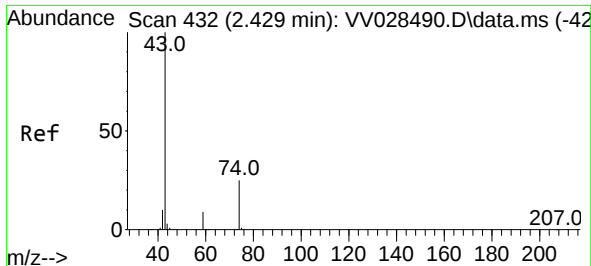
Tgt Ion: 76 Resp: 13764

Ion Ratio Lower Upper

76 100

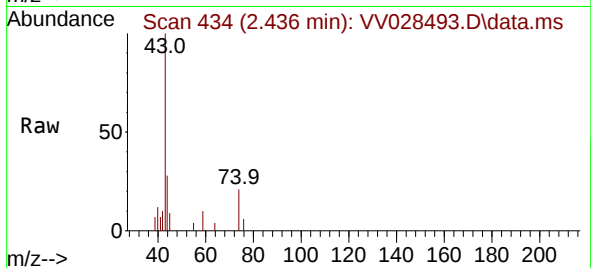
78 10.4 7.4 11.0





#15
Methyl Acetate
Concen: 1.692 ug/L m
RT: 2.436 min Scan# 432
Delta R.T. 0.006 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

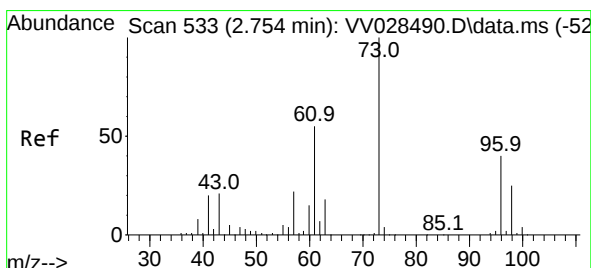
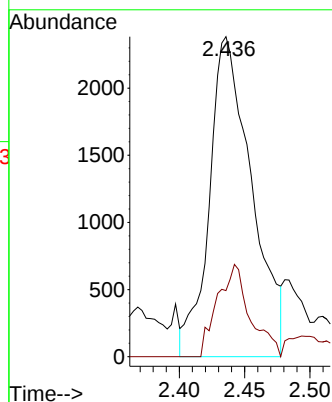
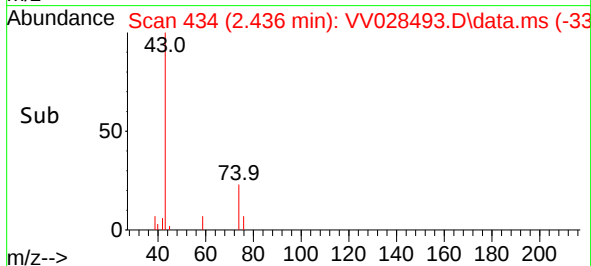
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-07



Tgt Ion: 43 Resp: 536
Ion Ratio Lower Upper
43 100
74 8.0 18.8 28.2

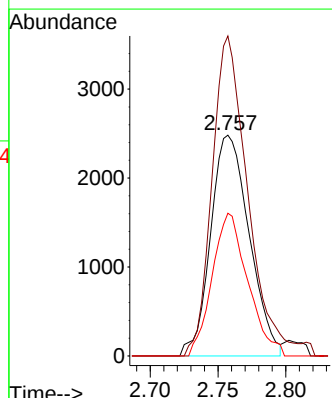
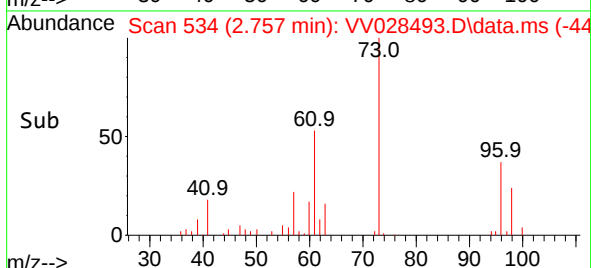
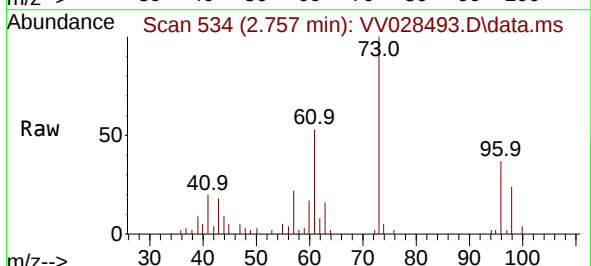
Manual Integrations
APPROVED

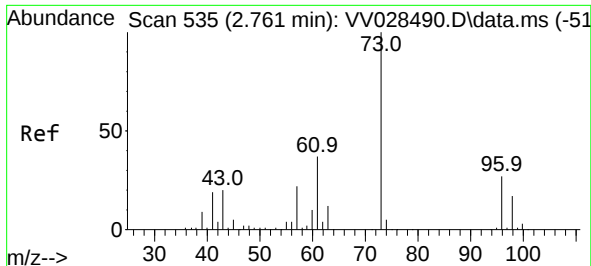
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022



#17
trans-1,2-Dichloroethene
Concen: 2.013 ug/L
RT: 2.757 min Scan# 534
Delta R.T. 0.003 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

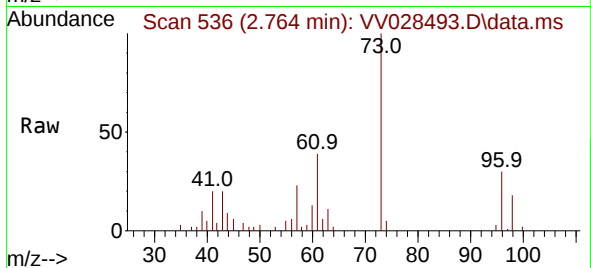
Tgt Ion: 96 Resp: 4924
Ion Ratio Lower Upper
96 100
61 145.0 104.8 194.6
98 64.7 44.5 82.7





#18
Methyl tert-butyl Ether
Concen: 1.887 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

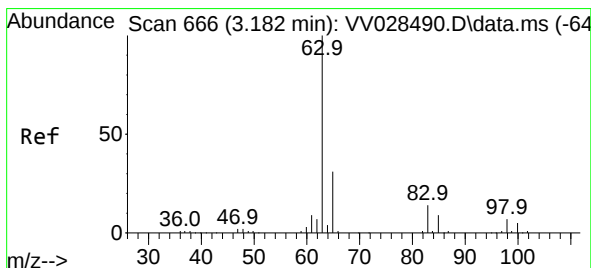
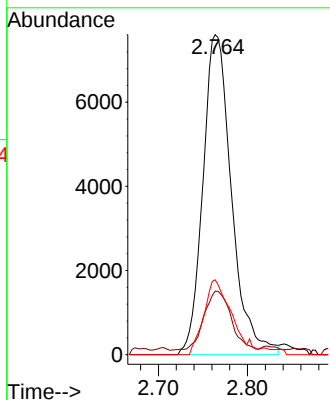
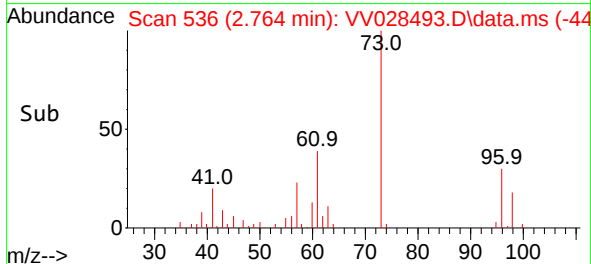
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-07



Tgt Ion: 73 Resp: 16970
Ion Ratio Lower Upper
73 100
43 16.7 15.6 23.4
57 21.6 18.2 27.4

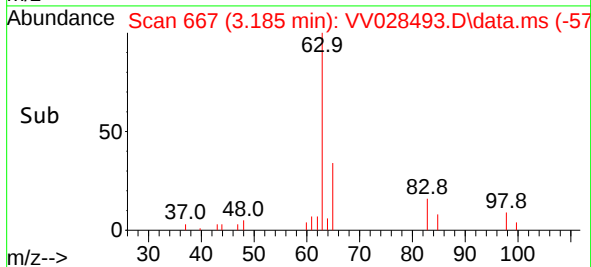
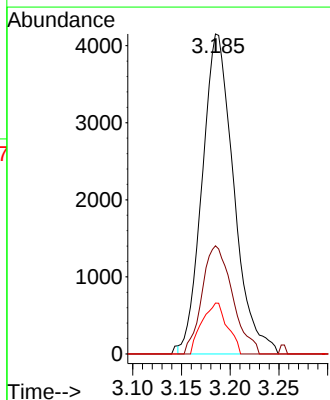
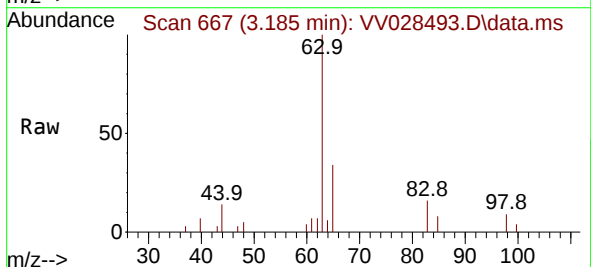
Manual Integrations
APPROVED

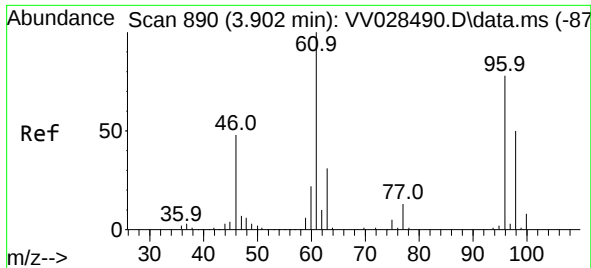
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022



#19
1,1-Dichloroethane
Concen: 1.869 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.003 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

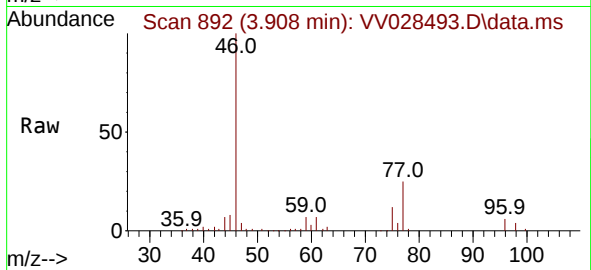
Tgt Ion: 63 Resp: 9342
Ion Ratio Lower Upper
63 100
65 33.8 22.6 42.0
83 15.9 9.2 17.0





#20
cis-1,2-Dichloroethene
Concen: 1.907 ug/L
RT: 3.908 min Scan# 890
Delta R.T. 0.006 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

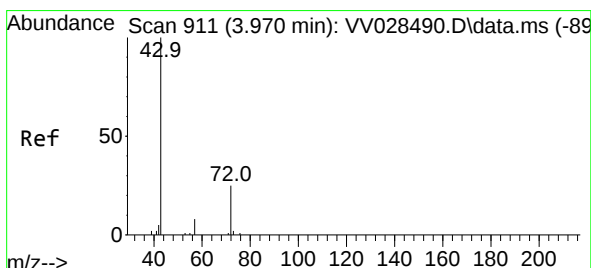
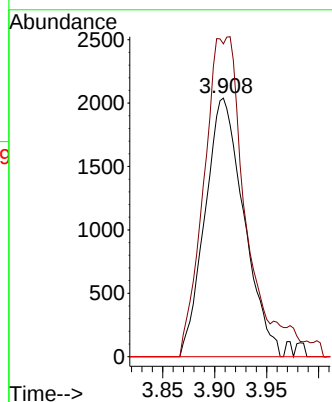
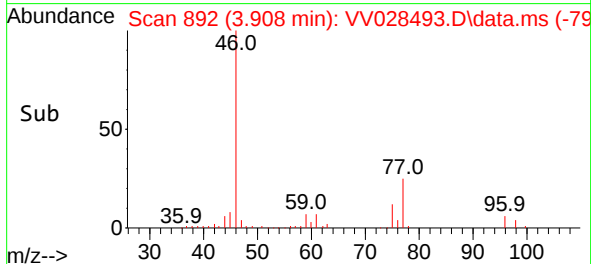
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-07



Tgt Ion: 96 Resp: 531
Ion Ratio Lower Upper
96 100
61 121.0 95.0 176.4
68 0.0 0.0 0.0

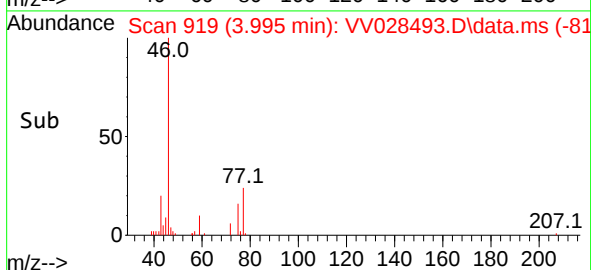
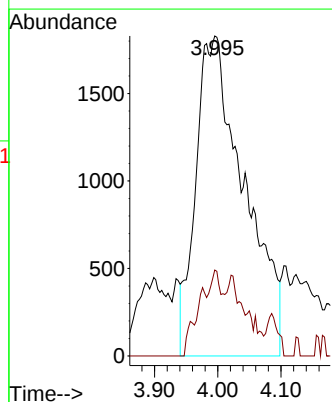
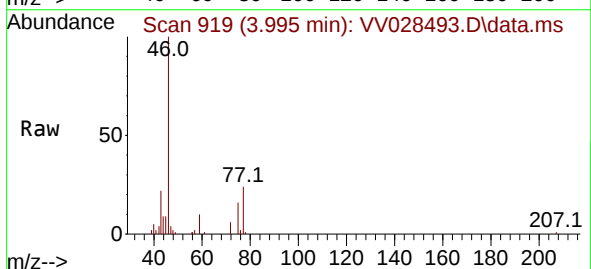
Manual Integrations
APPROVED

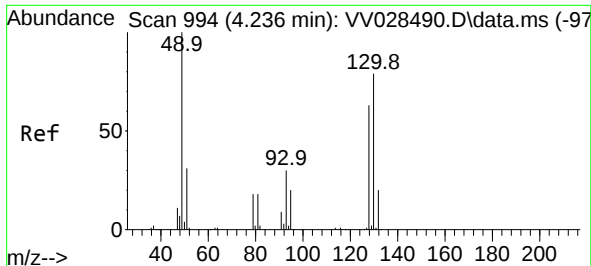
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022



#22
2-Butanone
Concen: 3.935 ug/L m
RT: 3.995 min Scan# 919
Delta R.T. 0.026 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

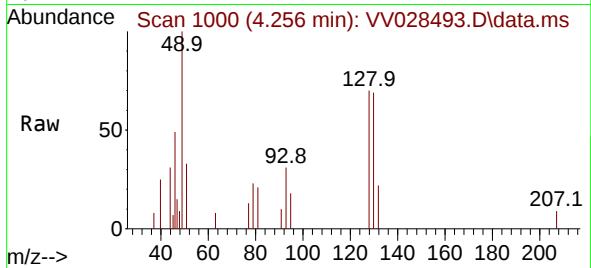
Tgt Ion: 43 Resp: 9733
Ion Ratio Lower Upper
43 100
72 2.7 11.1 33.1#





#23
Bromochloromethane
Concen: 1.897 ug/L m
RT: 4.256 min Scan# 1000
Delta R.T. 0.019 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

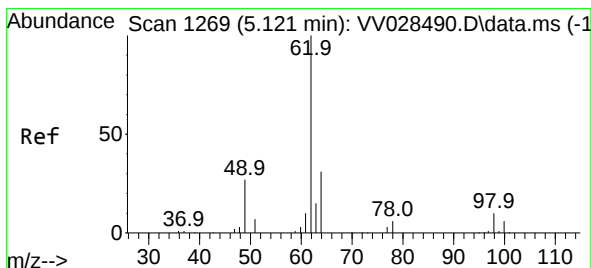
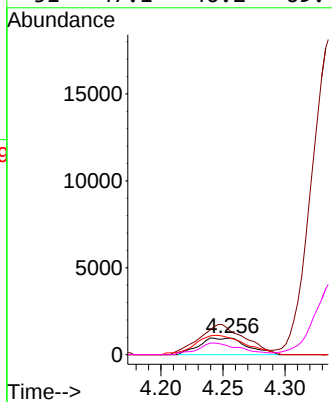
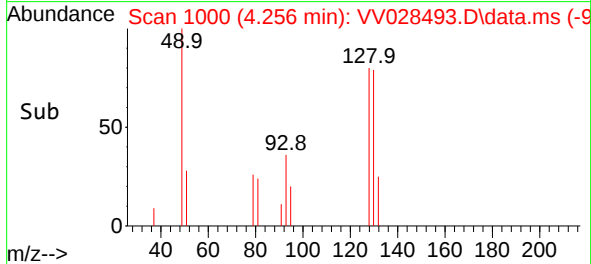
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-07



Tgt Ion:128 Resp: 2570
Ion Ratio Lower Upper
128 100
49 142.8 130.6 242.6
130 99.1 90.0 167.2
51 47.1 46.2 69.4

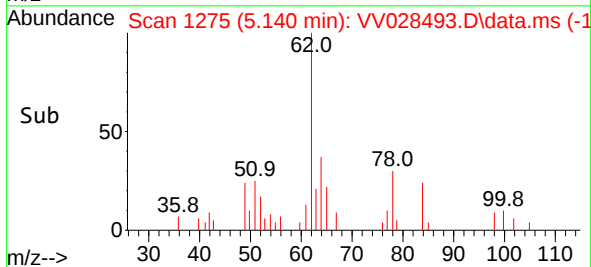
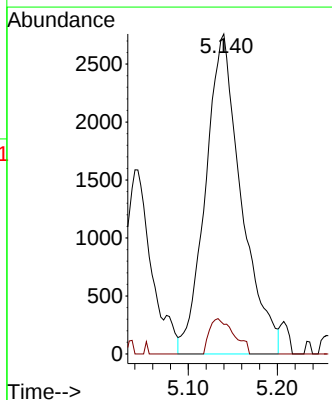
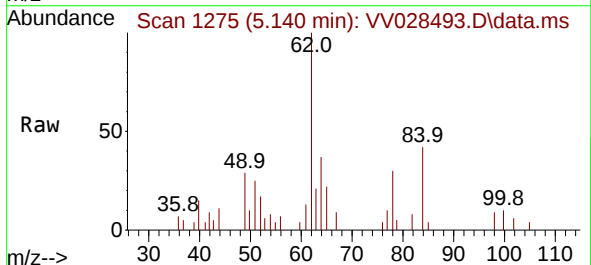
Manual Integrations
APPROVED

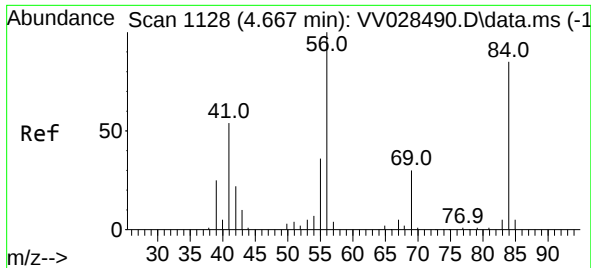
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022



#27
1,2-Dichloroethane
Concen: 2.061 ug/L
RT: 5.140 min Scan# 1275
Delta R.T. 0.019 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

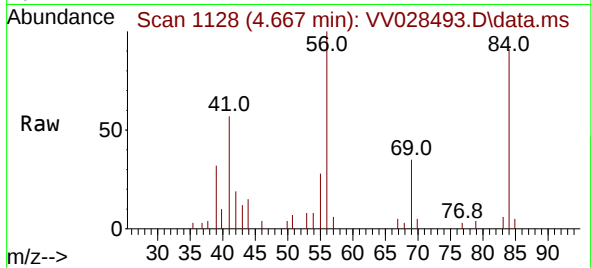
Tgt Ion: 62 Resp: 7704
Ion Ratio Lower Upper
62 100
98 9.2 7.6 11.4





#29
Cyclohexane
Concen: 1.843 ug/L
RT: 4.667 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

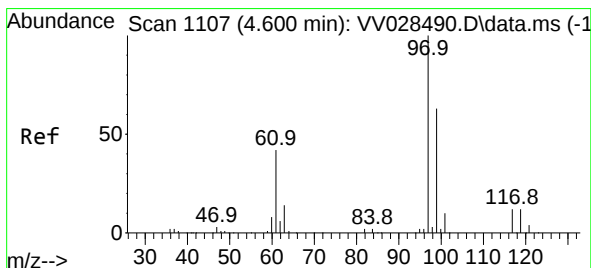
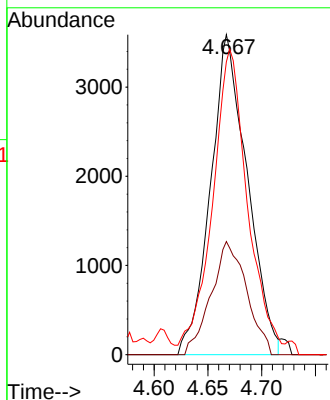
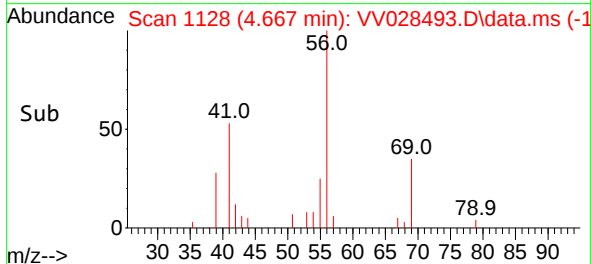
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-07



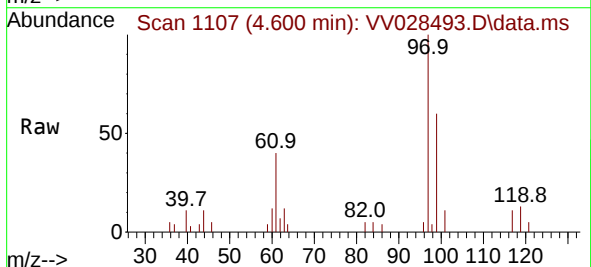
Tgt Ion: 56 Resp: 8510
Ion Ratio Lower Upper
56 100
69 34.2 23.0 34.6
84 88.0 65.8 98.8

Manual Integrations
APPROVED

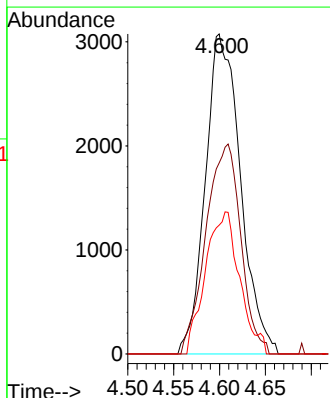
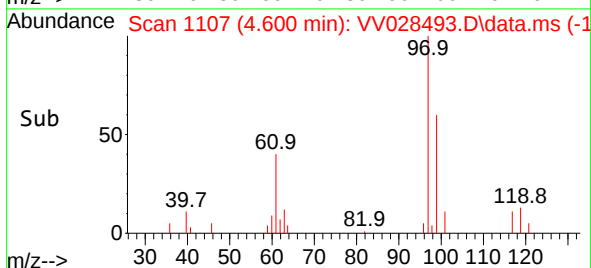
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022

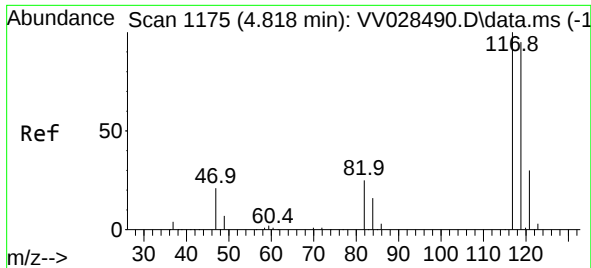


#30
1,1,1-Trichloroethane
Concen: 1.977 ug/L
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49



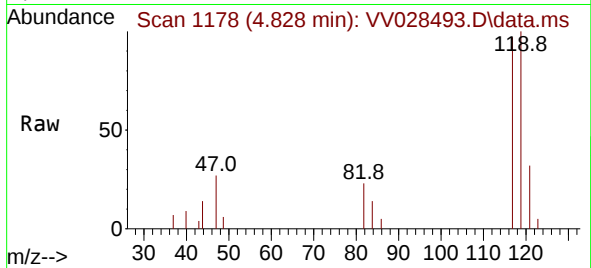
Tgt Ion: 97 Resp: 8198
Ion Ratio Lower Upper
97 100
99 65.0 50.2 75.2
61 42.2 35.8 53.6





#31
Carbon tetrachloride
Concen: 2.137 ug/L m
RT: 4.828 min Scan# 1175
Delta R.T. 0.009 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

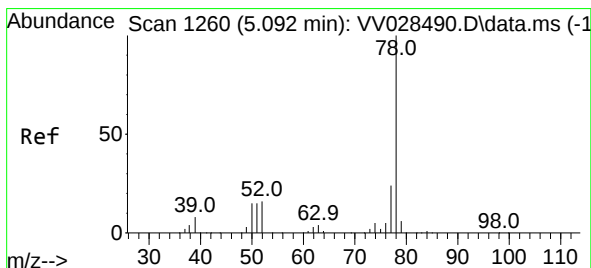
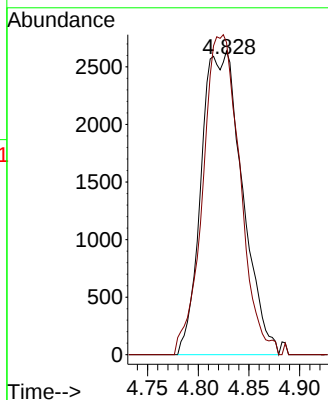
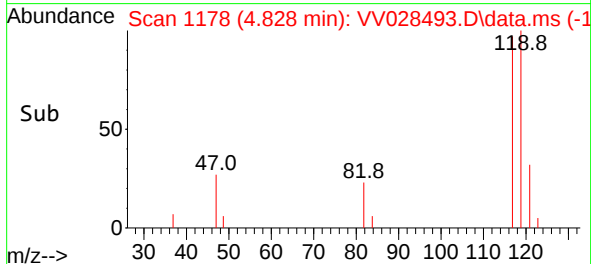
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-07



Tgt Ion:117 Resp: 7410
Ion Ratio Lower Upper
117 100
119 94.6 78.0 117.0

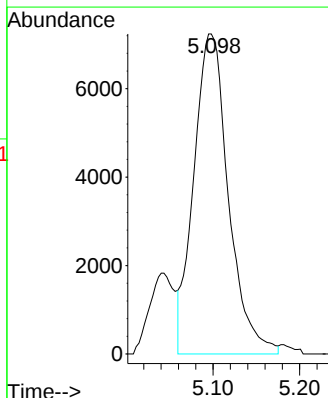
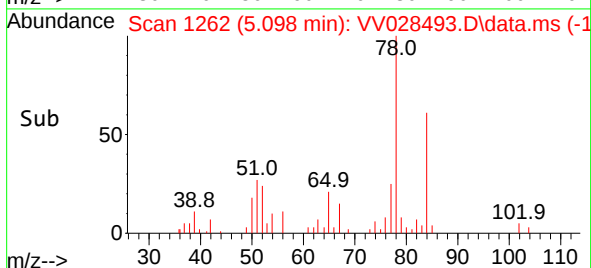
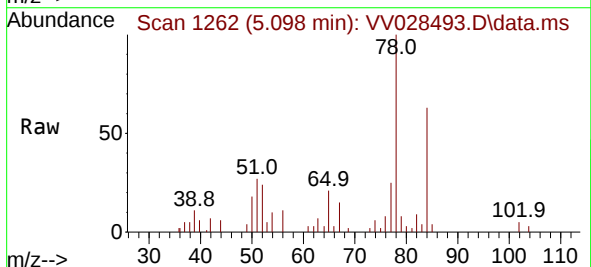
Manual Integrations
APPROVED

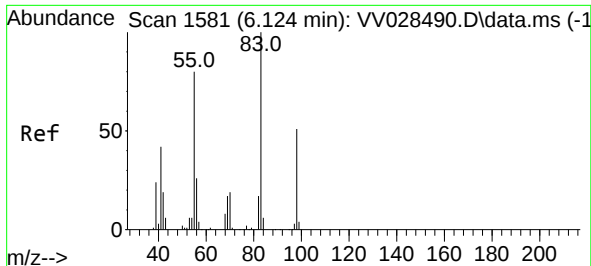
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022



#33
Benzene
Concen: 1.907 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.006 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

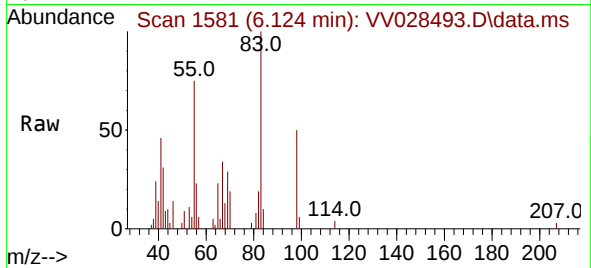
Tgt Ion: 78 Resp: 20132





#35
Methylcyclohexane
Concen: 1.723 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. -0.000 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

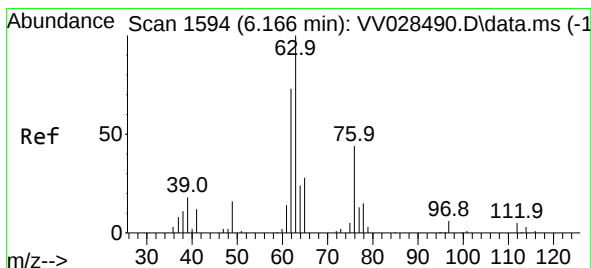
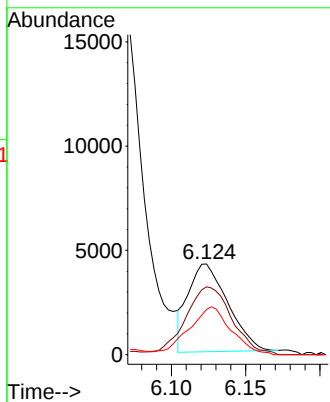
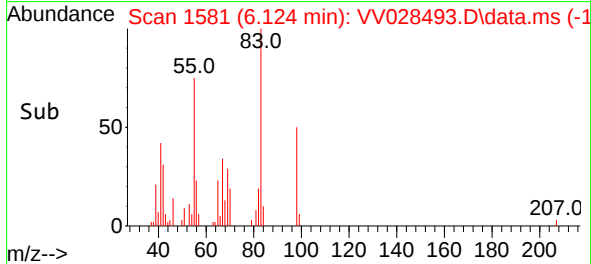
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2022-07



Tgt Ion: 83 Resp: 7849
Ion Ratio Lower Upper
83 100
55 89.9 63.7 95.5
98 58.3 38.2 57.2

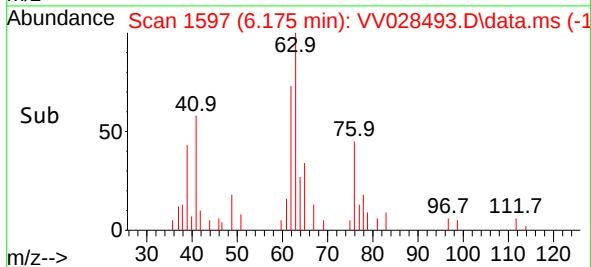
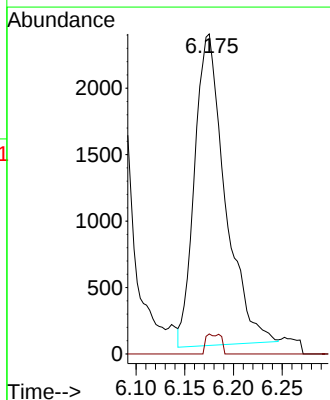
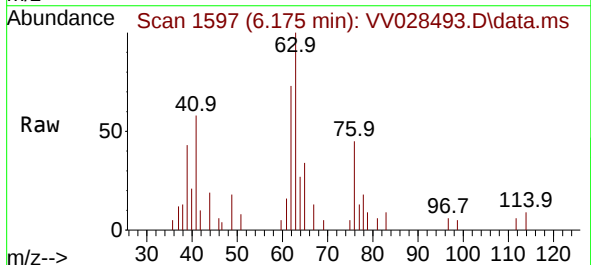
Manual Integrations
APPROVED

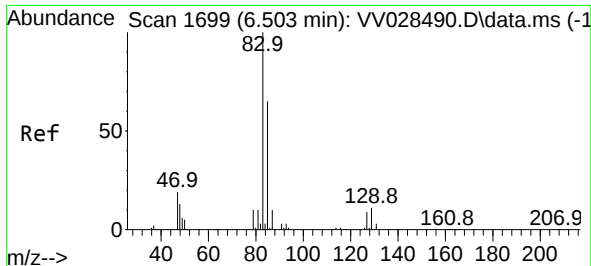
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022



#37
1,2-Dichloropropane
Concen: 1.806 ug/L
RT: 6.175 min Scan# 1597
Delta R.T. 0.009 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

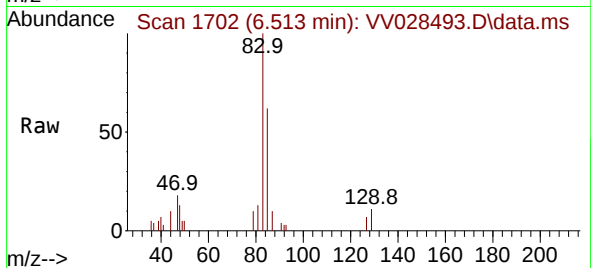
Tgt Ion: 63 Resp: 5111
Ion Ratio Lower Upper
63 100
112 2.1 3.5 5.3#





#38
Bromodichloromethane
Concen: 1.819 ug/L
RT: 6.513 min Scan# 1702
Delta R.T. 0.009 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

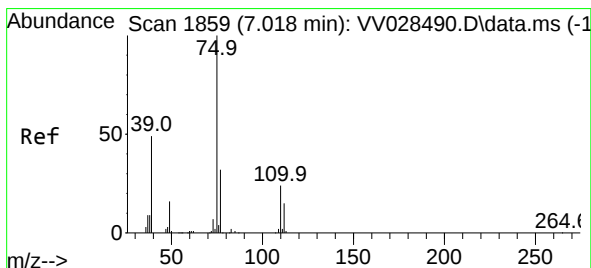
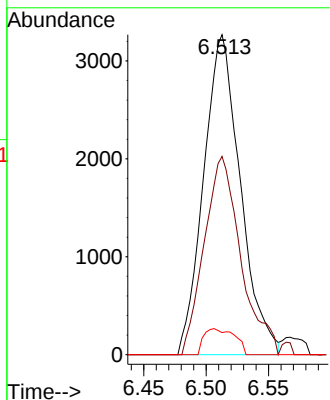
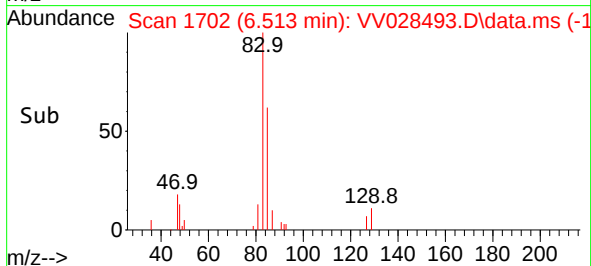
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2022-07



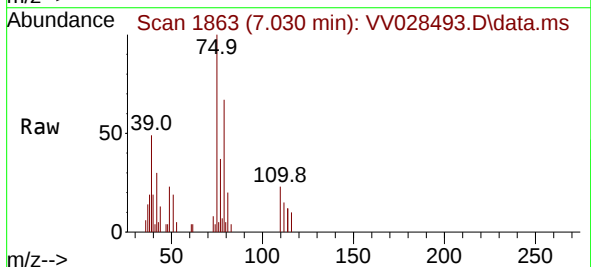
Tgt Ion: 83 Resp: 6700
Ion Ratio Lower Upper
83 100
85 62.0 45.1 83.7
127 6.9 7.0 10.4

Manual Integrations
APPROVED

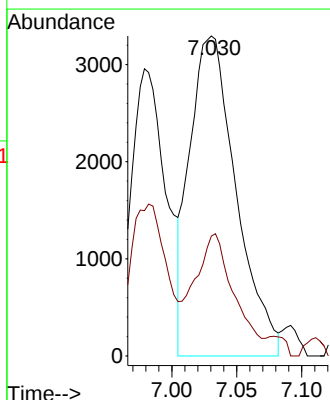
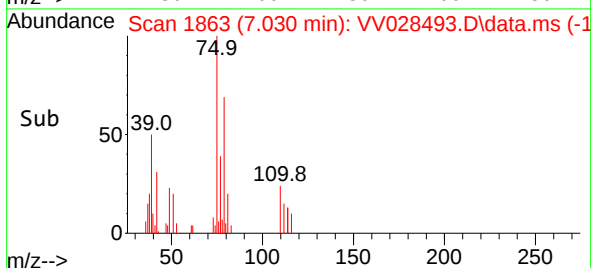
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022

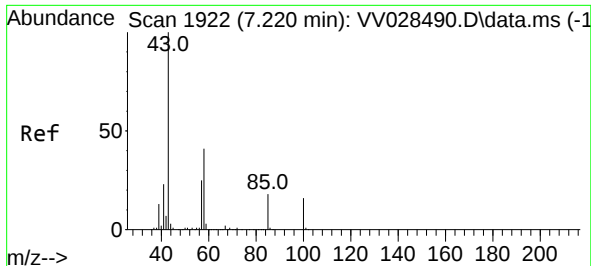


#39
cis-1,3-Dichloropropene
Concen: 1.818 ug/L
RT: 7.030 min Scan# 1863
Delta R.T. 0.013 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49



Tgt Ion: 75 Resp: 8183
Ion Ratio Lower Upper
75 100
77 37.5 23.2 43.0





#40

4-Methyl-2-pentanone

Concen: 3.114 ug/L

RT: 7.230 min Scan# 1922

Delta R.T. 0.009 min

Lab File: VV028493.D

Acq: 10 Oct 2022 10:49

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2022-07

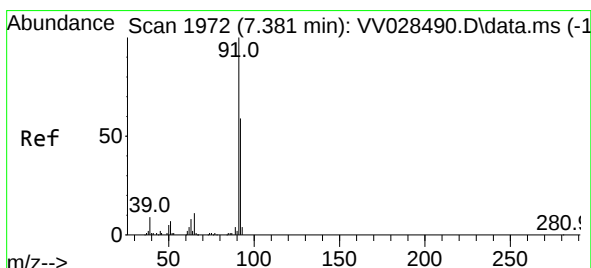
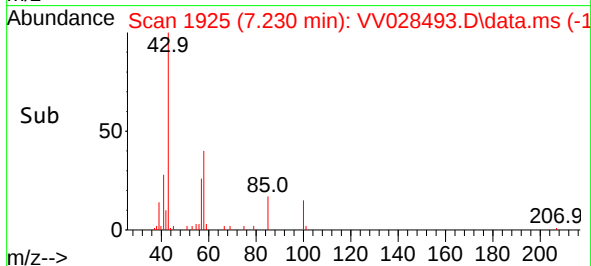
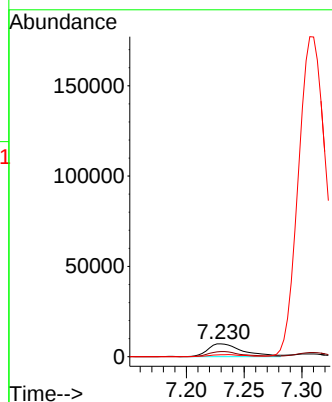
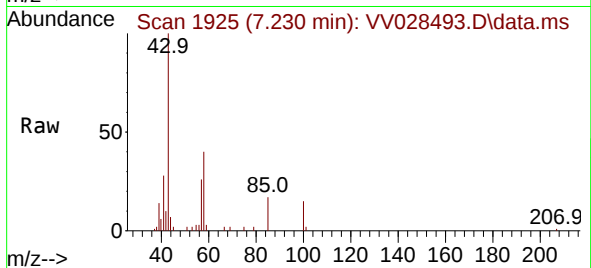
Tgt Ion: 43	Resp: 1503
Ion Ratio	Lower Upper
43 100	
58 38.6	31.3 46.9
100 15.0	11.5 17.3

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/11/2022

Supervised By :Mahesh Dadoda 10/11/2022



#42

Toluene

Concen: 1.864 ug/L

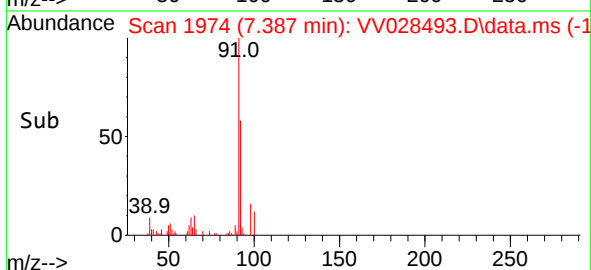
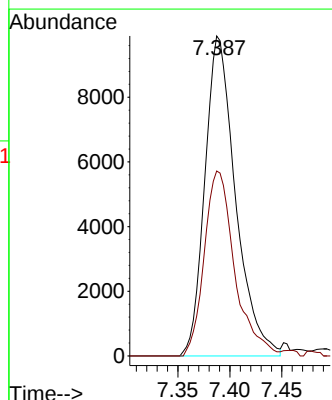
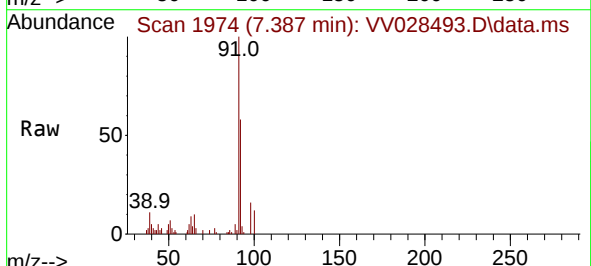
RT: 7.387 min Scan# 1974

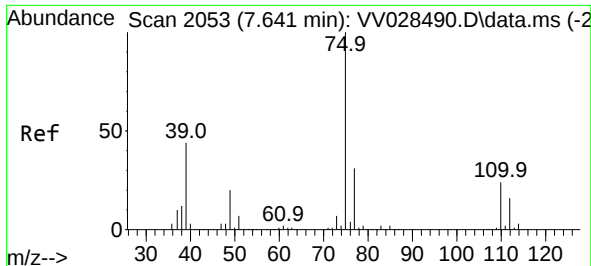
Delta R.T. 0.006 min

Lab File: VV028493.D

Acq: 10 Oct 2022 10:49

Tgt Ion: 91	Resp: 20282
Ion Ratio	Lower Upper
91 100	
92 57.8	40.9 76.0





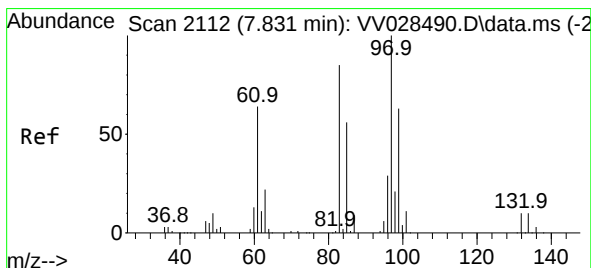
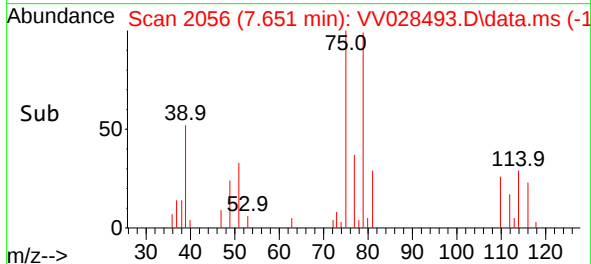
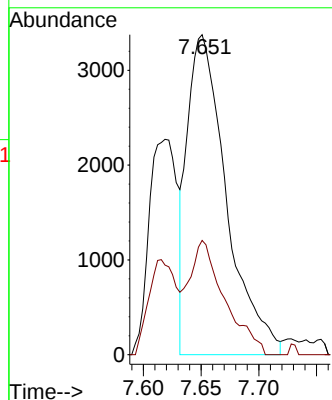
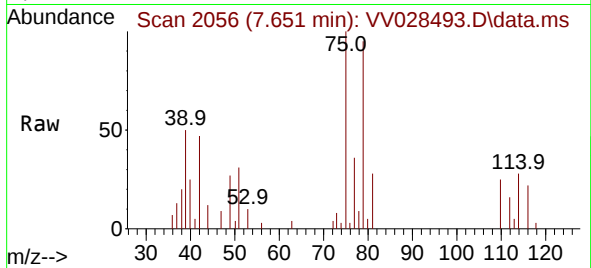
#44
trans-1,3-Dichloropropene
Concen: 1.845 ug/L
RT: 7.651 min Scan# 2056
Delta R.T. 0.009 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-07

Tgt Ion: 75 Resp: 7970
Ion Ratio Lower Upper
75 100
77 35.7 21.8 40.4

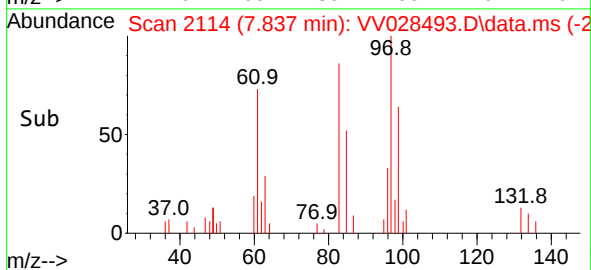
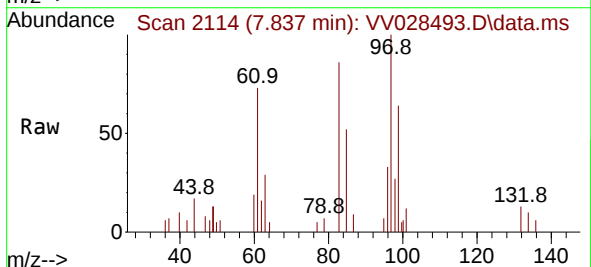
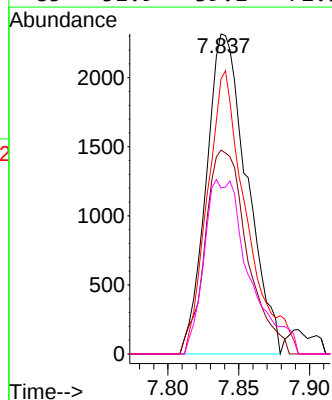
Manual Integrations
APPROVED

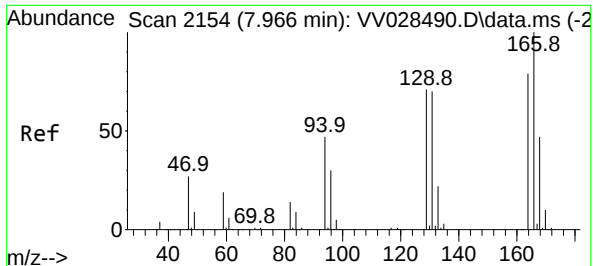
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022



#45
1,1,2-Trichloroethane
Concen: 1.767 ug/L
RT: 7.837 min Scan# 2114
Delta R.T. 0.006 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

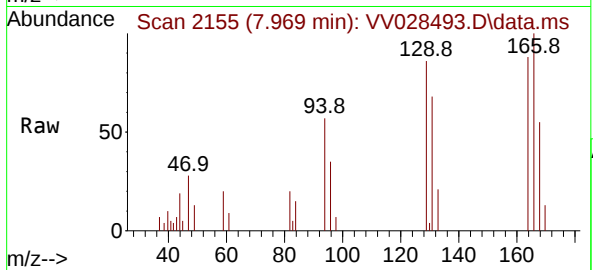
Tgt Ion: 97 Resp: 4631
Ion Ratio Lower Upper
97 100
99 68.9 43.9 81.5
83 86.0 61.9 114.9
85 51.9 39.1 72.5





#46
Tetrachloroethene
Concen: 1.985 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. 0.003 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

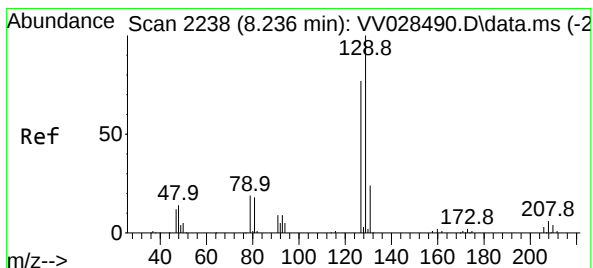
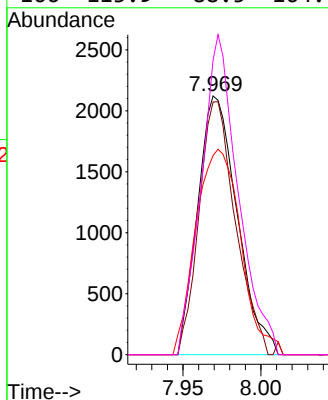
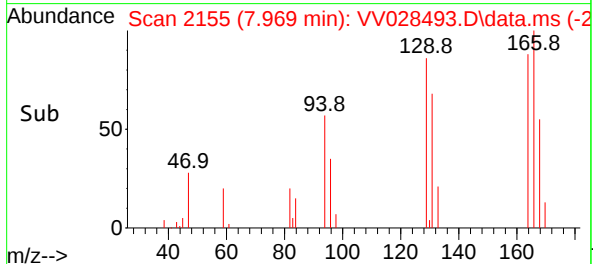
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-07



Tgt Ion:164 Resp: 3734
Ion Ratio Lower Upper
164 100
129 97.6 67.4 125.2
131 77.0 65.2 121.2
166 113.9 88.5 164.4

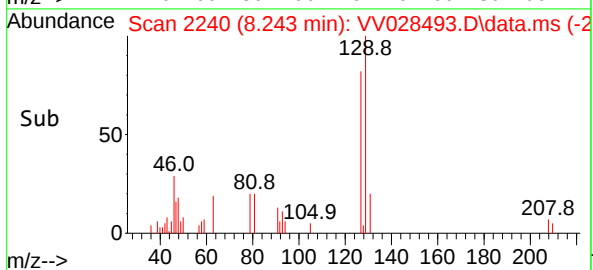
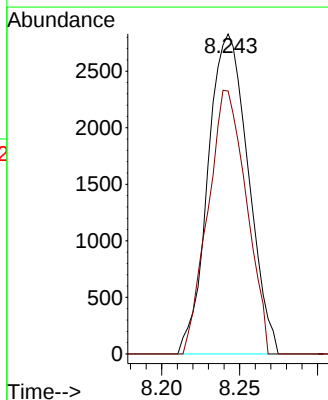
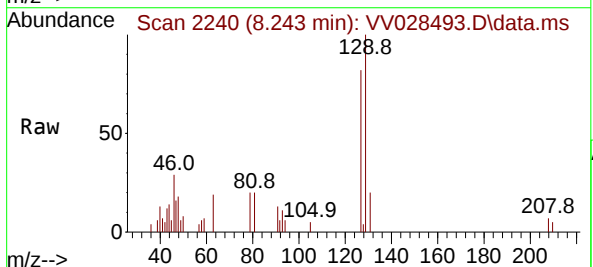
Manual Integrations
APPROVED

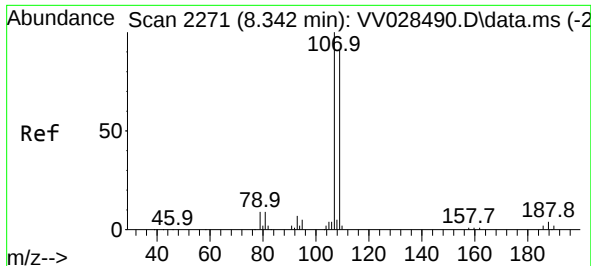
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022



#49
Dibromochloromethane
Concen: 1.801 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. 0.006 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

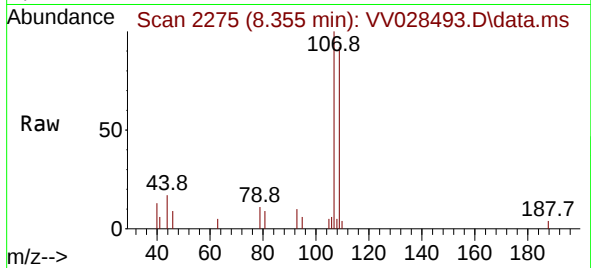
Tgt Ion:129 Resp: 5074
Ion Ratio Lower Upper
129 100
127 82.1 53.6 99.6





#50
1,2-Dibromoethane
Concen: 1.773 ug/L
RT: 8.355 min Scan# 21
Delta R.T. 0.013 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

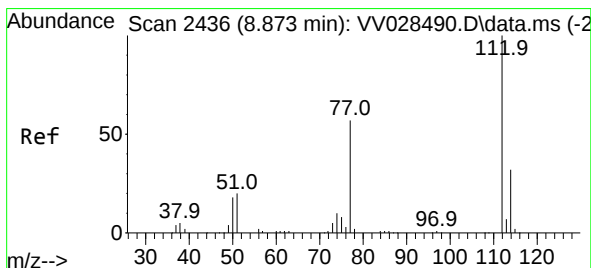
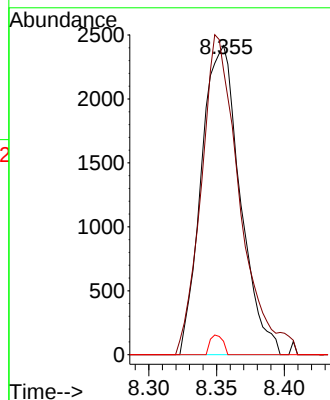
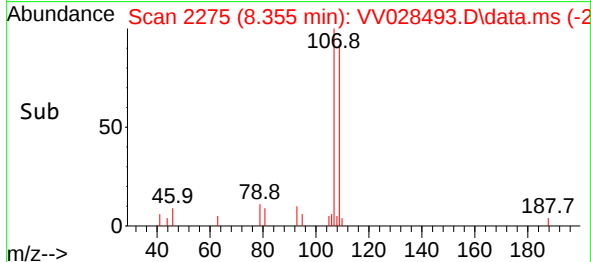
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-07



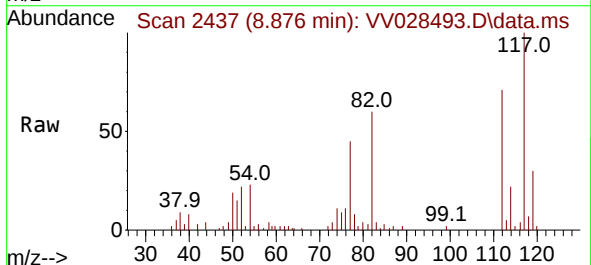
Tgt Ion:107 Resp: 481
Ion Ratio Lower Upper
107 100
109 92.1 65.9 122.5
188 4.3 3.0 4.4

Manual Integrations
APPROVED

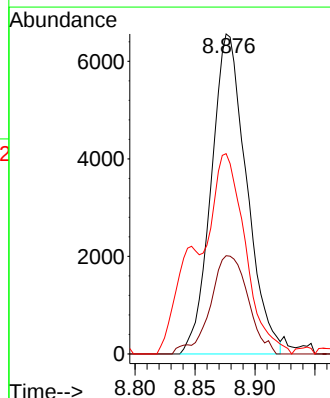
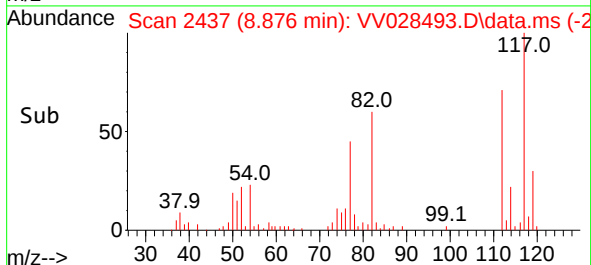
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022

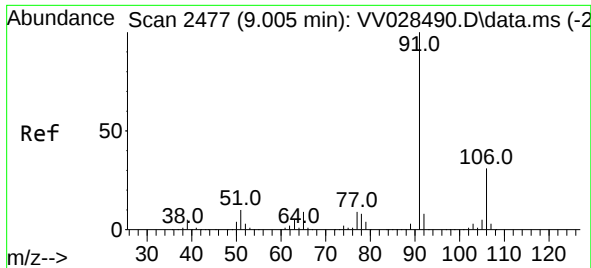


#51
Chlorobenzene
Concen: 1.964 ug/L
RT: 8.876 min Scan# 2437
Delta R.T. 0.003 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49



Tgt Ion:112 Resp: 13410
Ion Ratio Lower Upper
112 100
114 30.7 21.7 40.3
77 62.6 48.7 73.1





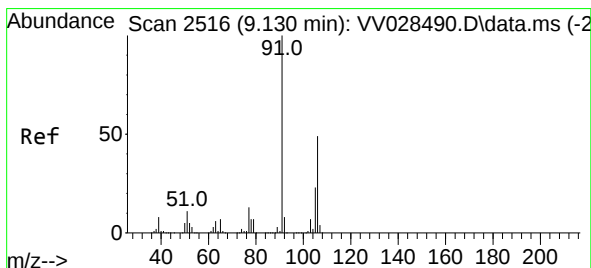
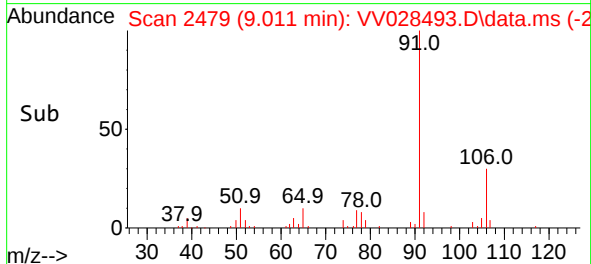
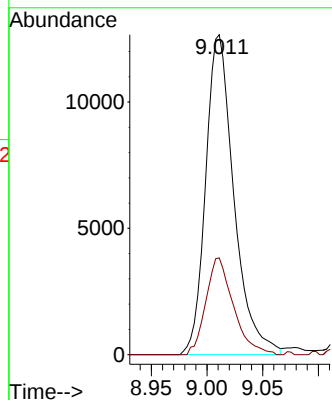
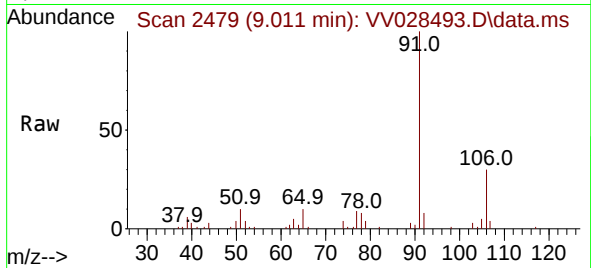
#52
Ethylbenzene
Concen: 1.888 ug/L
RT: 9.011 min Scan# 2477
Delta R.T. 0.006 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-07

Tgt Ion: 91 Resp: 22389
Ion Ratio Lower Upper
91 100
106 30.3 21.4 39.8

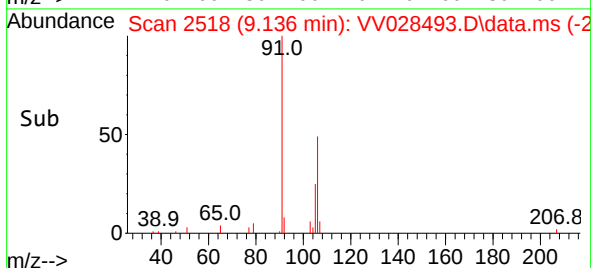
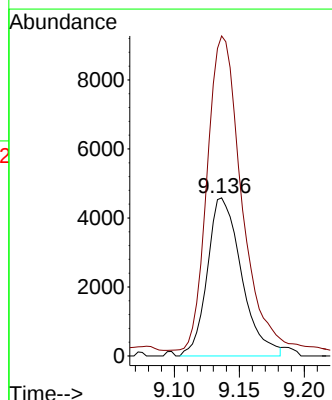
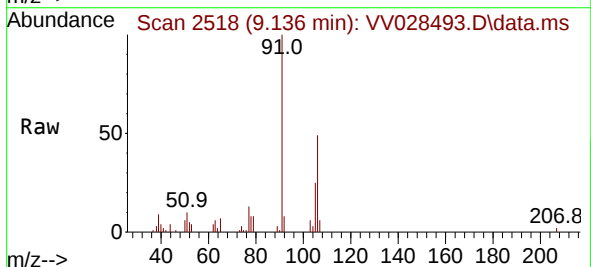
Manual Integrations
APPROVED

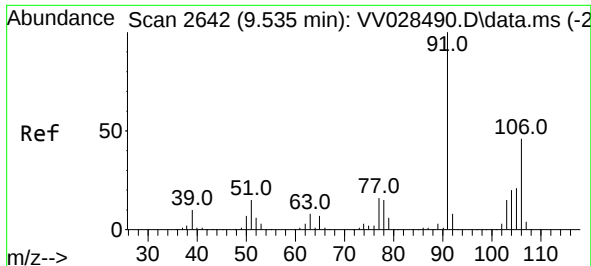
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022



#53
m,p-Xylene
Concen: 1.865 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. 0.006 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

Tgt Ion:106 Resp: 8382
Ion Ratio Lower Upper
106 100
91 202.3 145.2 269.6





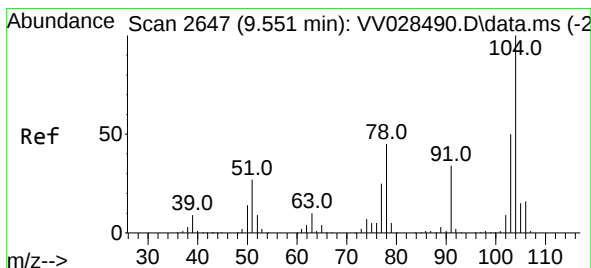
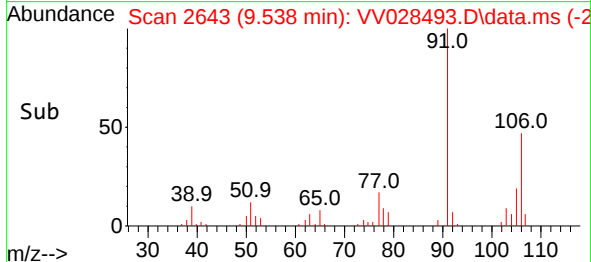
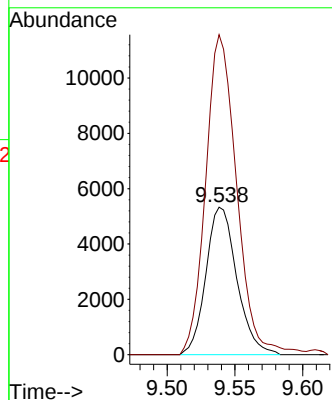
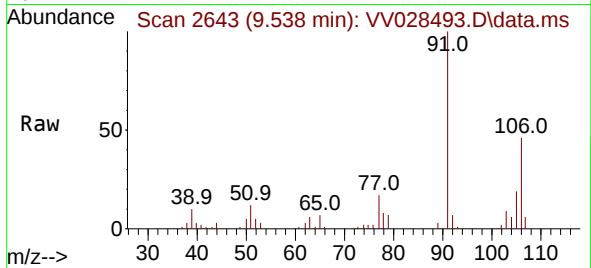
#54
o-Xylene
Concen: 1.882 ug/L
RT: 9.538 min Scan# 2642
Delta R.T. 0.003 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-07

Tgt Ion:106 Resp: 847
Ion Ratio Lower Upper
106 100
91 217.0 152.5 283.3

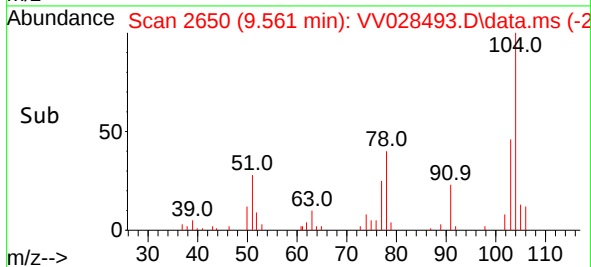
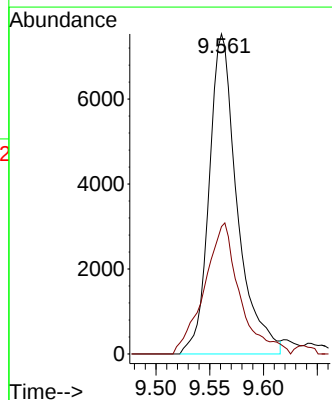
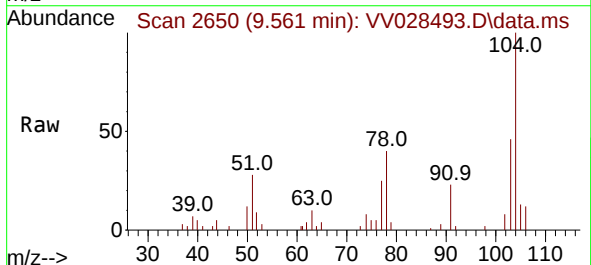
Manual Integrations
APPROVED

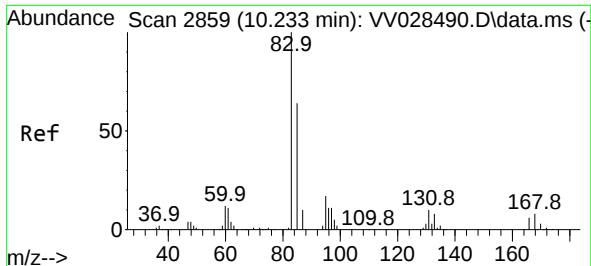
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022



#55
Styrene
Concen: 1.770 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.009 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

Tgt Ion:104 Resp: 13684
Ion Ratio Lower Upper
104 100
78 39.8 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 1.865 ug/L

RT: 10.233 min Scan# 2859

Delta R.T. -0.000 min

Lab File: VV028493.D

Acq: 10 Oct 2022 10:49

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2022-07

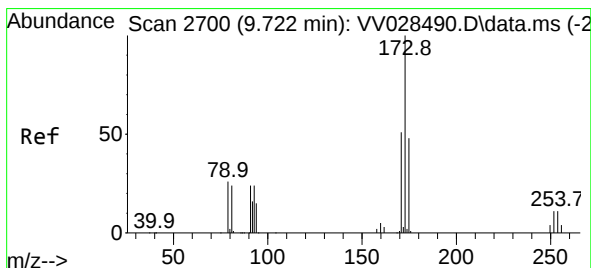
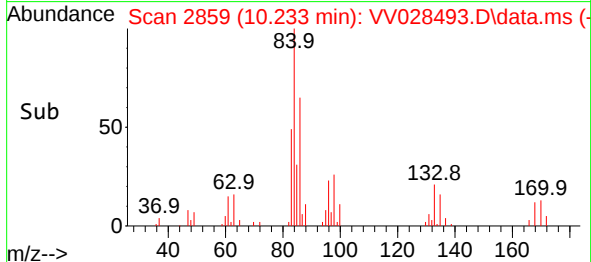
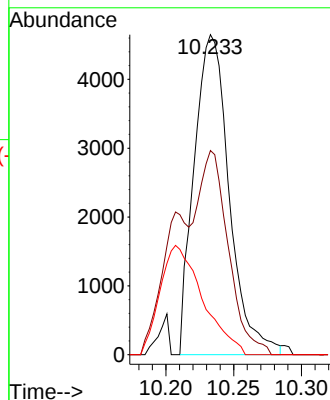
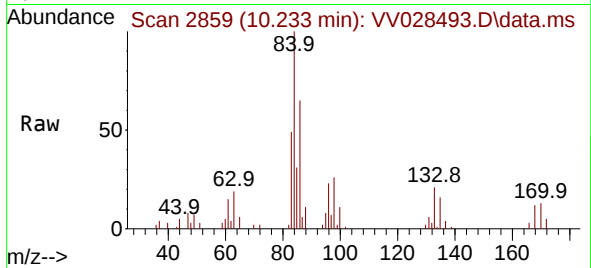
Tgt Ion:	83	Resp:	8374
Ion Ratio	Lower	Upper	
83	100		
85	63.8	44.8	83.2
131	12.5	7.2	10.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/11/2022

Supervised By :Mahesh Dadoda 10/11/2022



#59

Bromoform

Concen: 1.673 ug/L

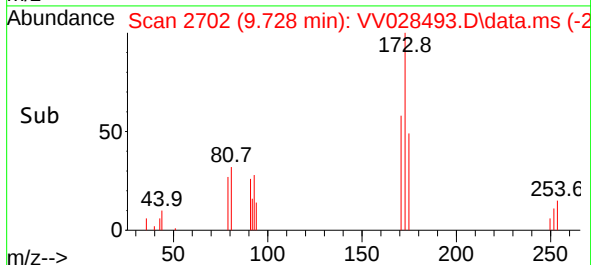
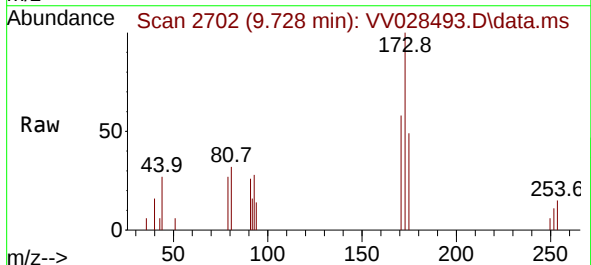
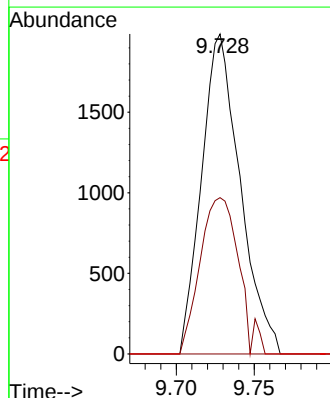
RT: 9.728 min Scan# 2702

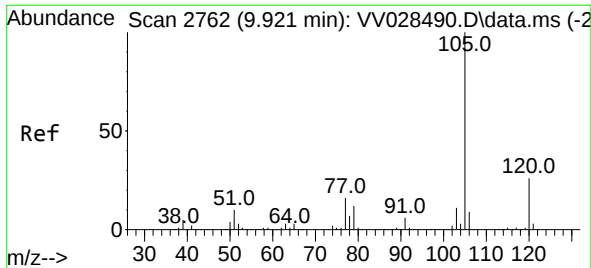
Delta R.T. 0.006 min

Lab File: VV028493.D

Acq: 10 Oct 2022 10:49

Tgt Ion:	173	Resp:	3416
Ion Ratio	Lower	Upper	
173	100		
175	47.1	38.6	57.8
254	0.0	8.4	12.6





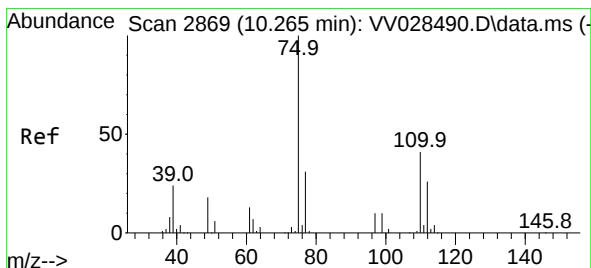
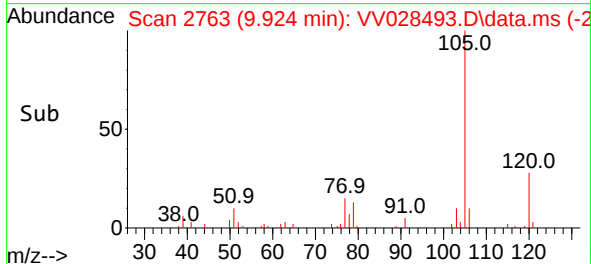
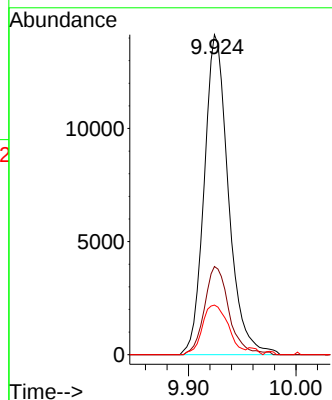
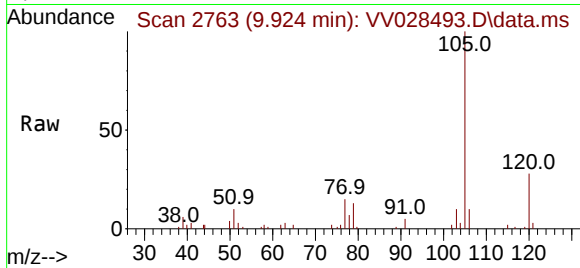
#60
Isopropylbenzene
Concen: 1.869 ug/L
RT: 9.924 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-07

Tgt Ion:105 Resp: 2219
Ion Ratio Lower Upper
105 100
120 27.8 20.5 30.7
77 16.6 12.7 19.1

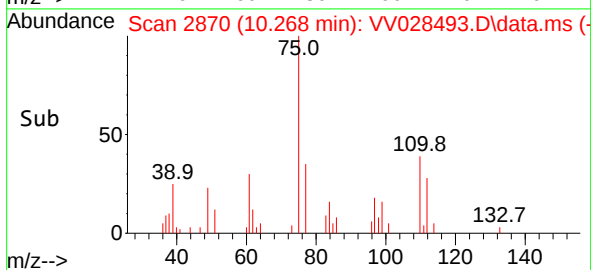
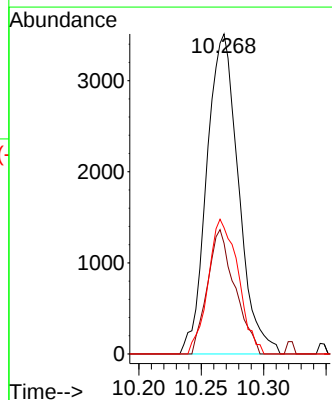
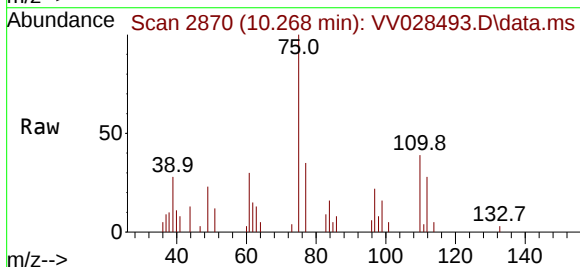
Manual Integrations
APPROVED

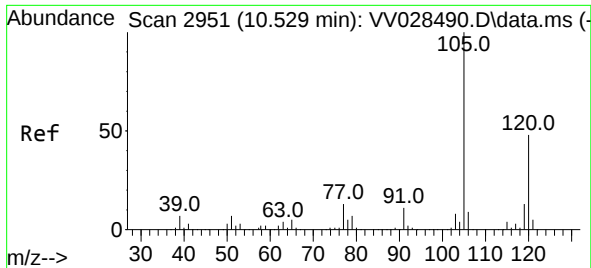
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022



#61
1,2,3-Trichloropropane
Concen: 1.771 ug/L
RT: 10.268 min Scan# 2870
Delta R.T. 0.003 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

Tgt Ion: 75 Resp: 6215
Ion Ratio Lower Upper
75 100
77 33.8 25.7 38.5
110 39.7 30.0 45.0





#62

1,3,5-Trimethylbenzene

Concen: 1.891 ug/L

RT: 10.532 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VV028493.D

Acq: 10 Oct 2022 10:49

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2022-07

Tgt Ion:105 Resp: 1945

Ion Ratio Lower Upper

105 100

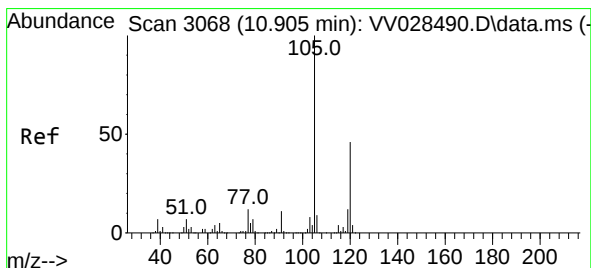
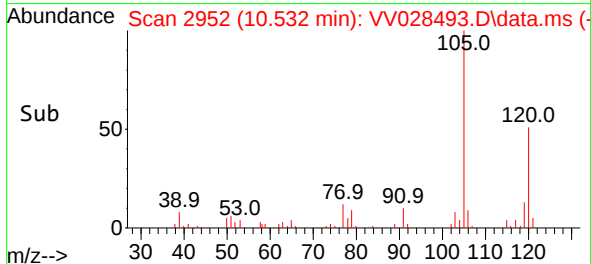
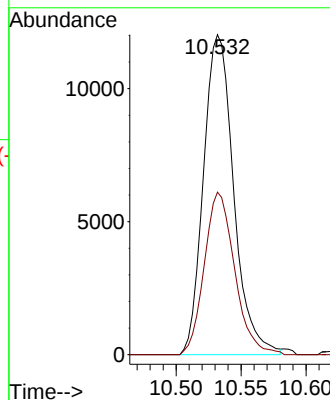
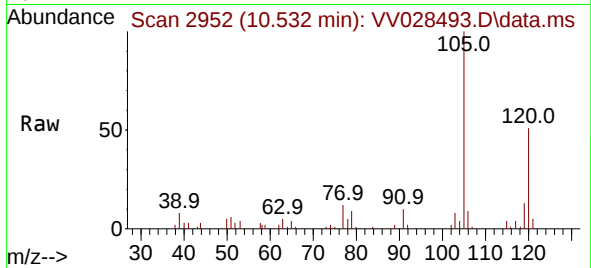
120 51.1 39.1 58.7

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/11/2022

Supervised By :Mahesh Dadoda 10/11/2022



#63

1,2,4-Trimethylbenzene

Concen: 1.817 ug/L

RT: 10.908 min Scan# 3069

Delta R.T. 0.003 min

Lab File: VV028493.D

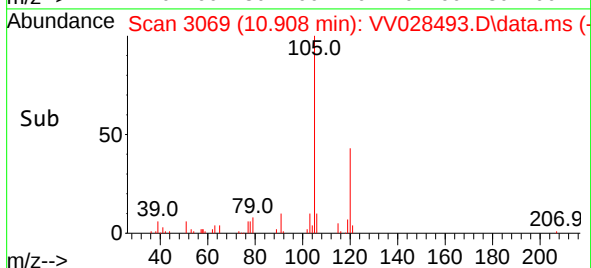
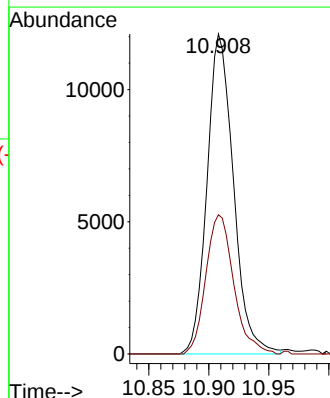
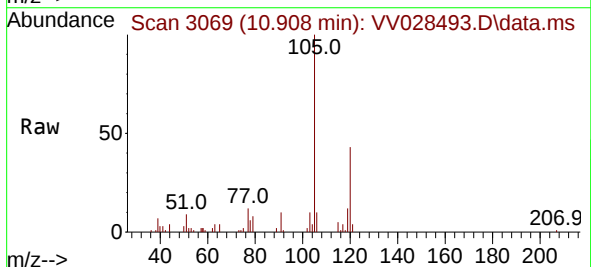
Acq: 10 Oct 2022 10:49

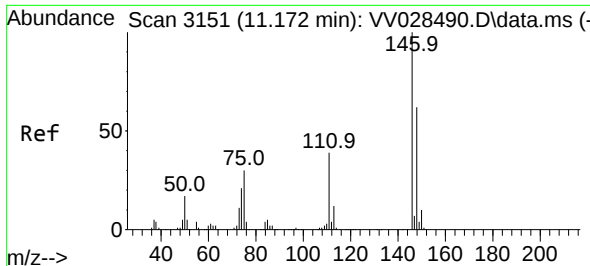
Tgt Ion:105 Resp: 18558

Ion Ratio Lower Upper

105 100

120 45.8 35.9 53.9





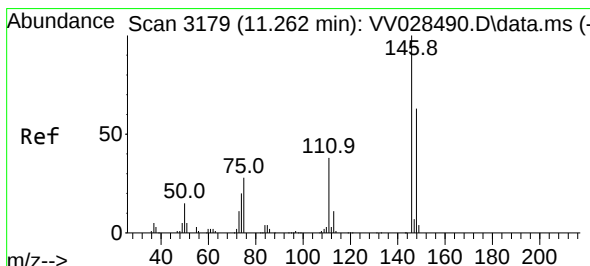
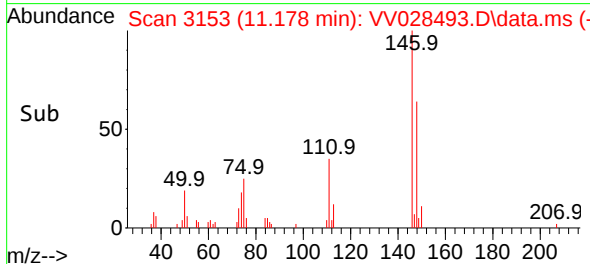
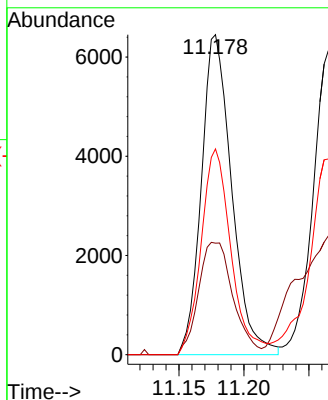
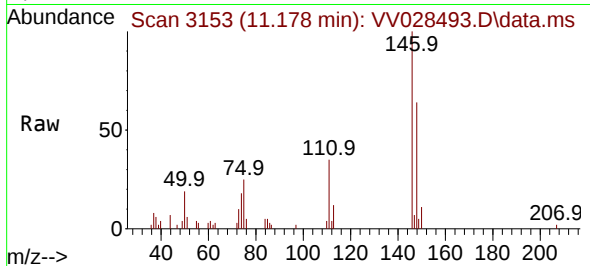
#64
1,3-Dichlorobenzene
Concen: 2.018 ug/L
RT: 11.178 min Scan# 3151
Delta R.T. 0.006 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-07

Tgt Ion:146 Resp: 10485
Ion Ratio Lower Upper
146 100
111 34.8 29.0 53.9
148 68.9 44.6 82.8

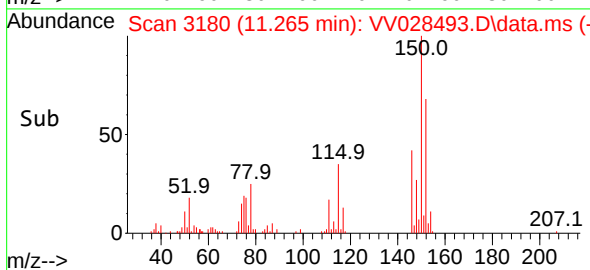
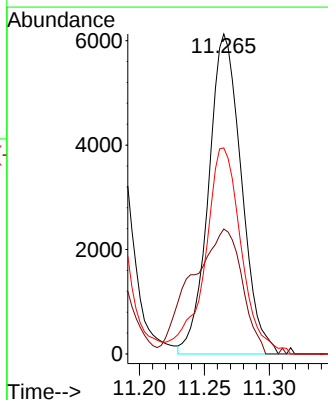
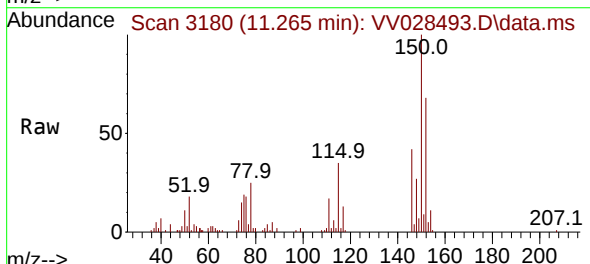
Manual Integrations
APPROVED

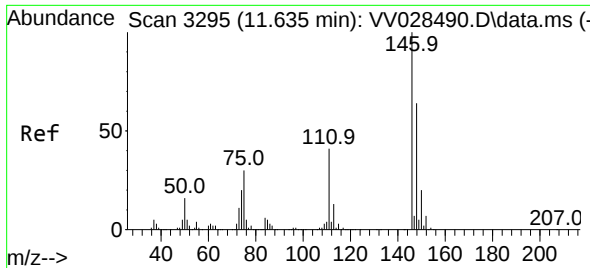
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022



#65
1,4-Dichlorobenzene
Concen: 2.073 ug/L
RT: 11.265 min Scan# 3180
Delta R.T. 0.003 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

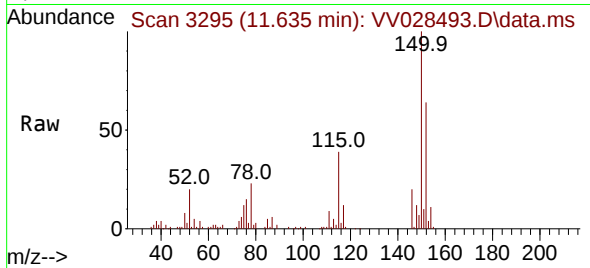
Tgt Ion:146 Resp: 10745
Ion Ratio Lower Upper
146 100
111 39.0 26.6 49.4
148 64.4 43.4 80.6





#67
1,2-Dichlorobenzene
Concen: 2.071 ug/L
RT: 11.635 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

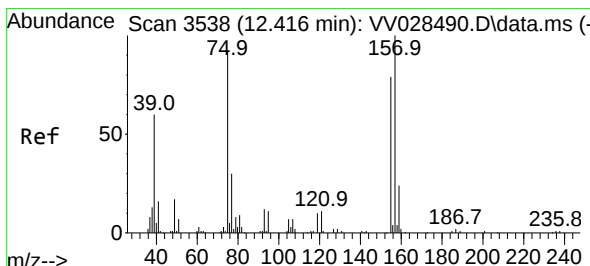
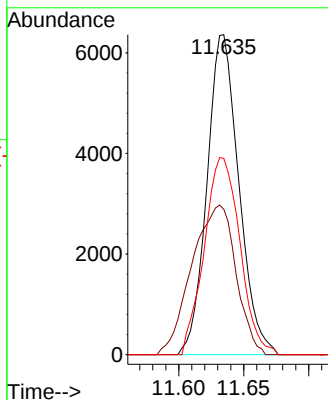
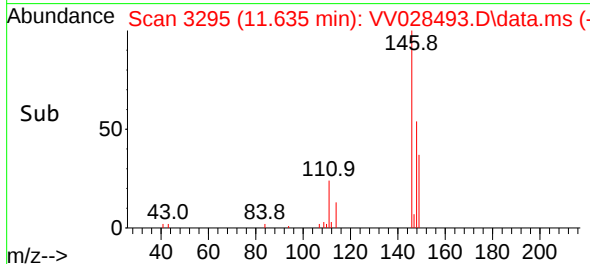
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-07



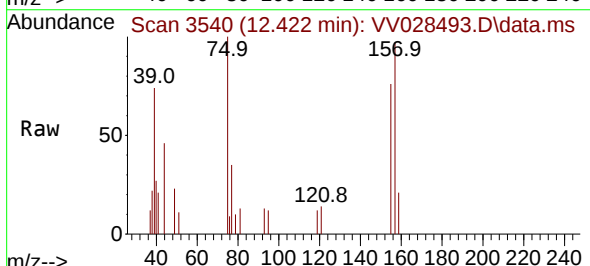
Tgt Ion:146 Resp: 1086
Ion Ratio Lower Upper
146 100
111 45.4 33.9 50.9
148 61.4 50.6 75.8

Manual Integrations
APPROVED

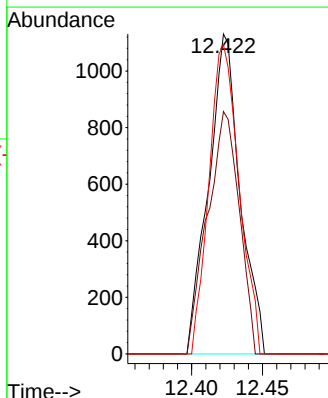
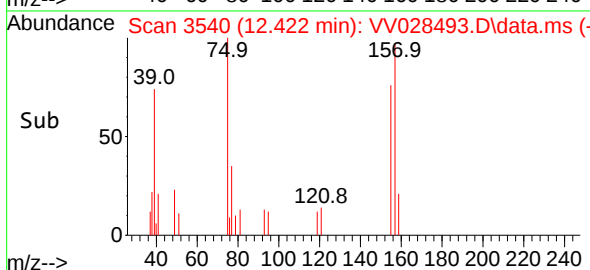
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022

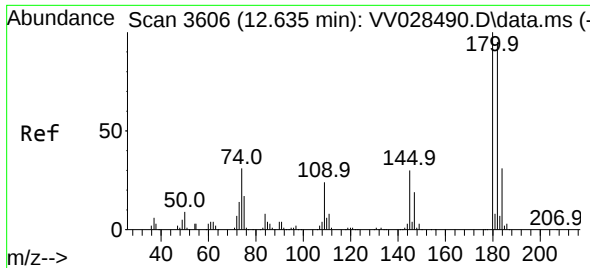


#68
1,2-Dibromo-3-chloropropane
Concen: 1.630 ug/L
RT: 12.422 min Scan# 3540
Delta R.T. 0.006 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49



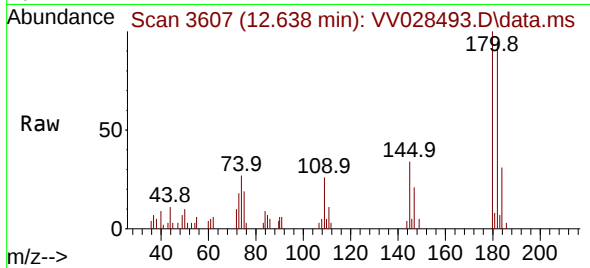
Tgt Ion: 75 Resp: 1751
Ion Ratio Lower Upper
75 100
155 75.8 65.0 97.6
157 96.6 86.0 129.0





#69
1,3,5-Trichlorobenzene
Concen: 1.709 ug/L
RT: 12.638 min Scan# 3606
Delta R.T. 0.003 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

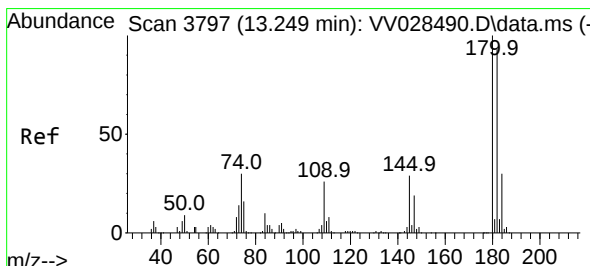
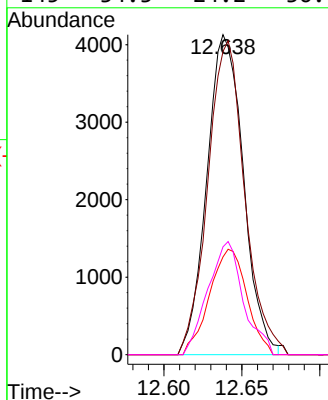
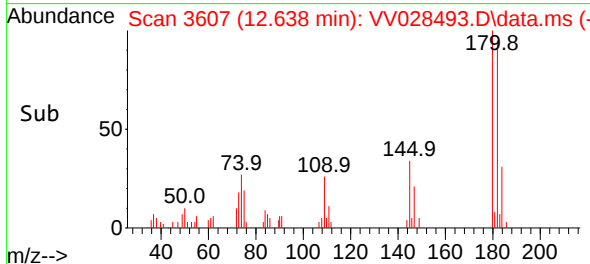
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-07



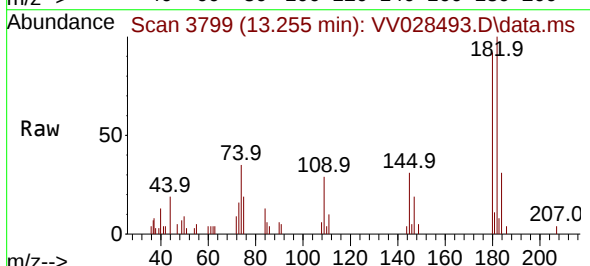
Tgt Ion:180 Resp: 6744
Ion Ratio Lower Upper
180 100
182 98.8 75.9 113.9
184 33.6 24.0 36.0
145 34.3 24.2 36.4

Manual Integrations
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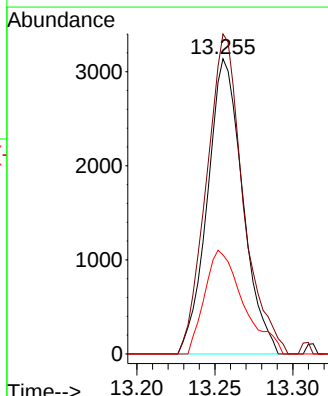
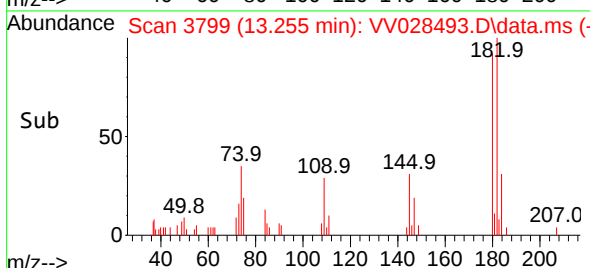
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022

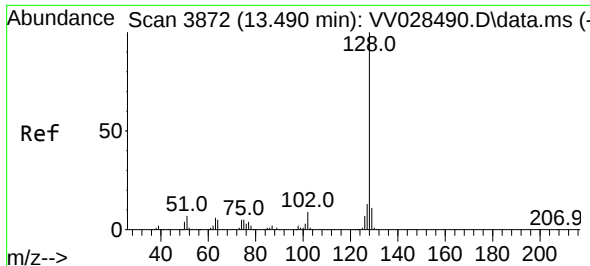


#70
1,2,4-trichlorobenzene
Concen: 1.417 ug/L
RT: 13.255 min Scan# 3799
Delta R.T. 0.006 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49



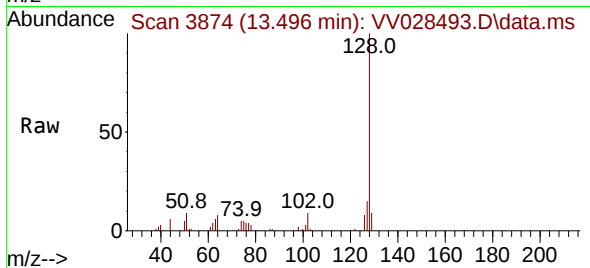
Tgt Ion:180 Resp: 4930
Ion Ratio Lower Upper
180 100
182 112.2 75.3 112.9
145 36.4 24.3 36.5





#71
Naphthalene
Concen: 1.743 ug/L
RT: 13.496 min Scan# 3872
Delta R.T. 0.006 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49

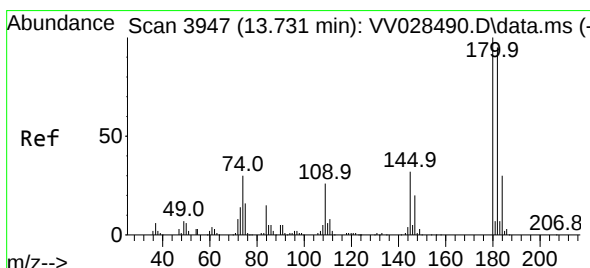
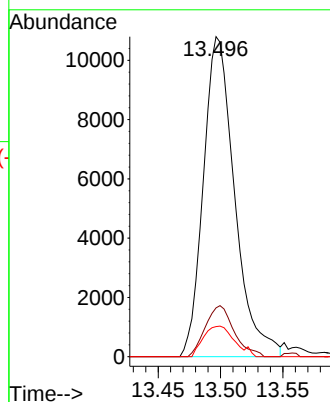
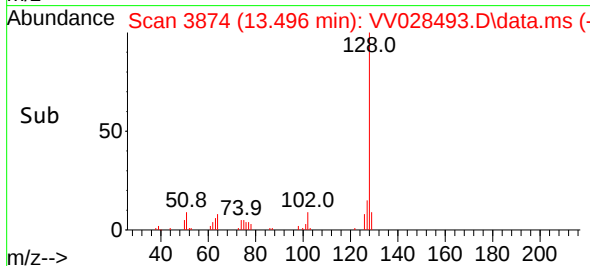
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2022-07



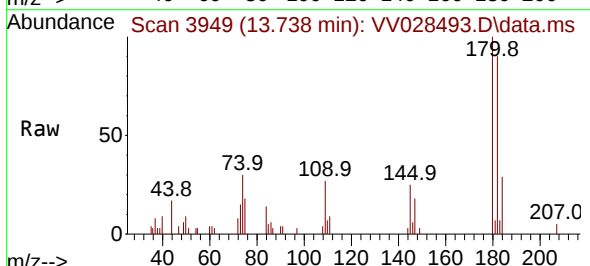
Tgt Ion:128 Resp: 1885
Ion Ratio Lower Upper
128 100
127 14.6 10.6 15.8
129 9.0 8.9 13.3

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022



#72
1,2,3-Trichlorobenzene
Concen: 1.771 ug/L
RT: 13.738 min Scan# 3949
Delta R.T. 0.006 min
Lab File: VV028493.D
Acq: 10 Oct 2022 10:49



Tgt Ion:180 Resp: 6006
Ion Ratio Lower Upper
180 100
182 91.6 75.4 113.0
145 28.3 26.5 39.7

