

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW081822\
 Data File : VW027423.D
 Acq On : 17 Aug 2022 17:23
 Operator : SY/MD
 Sample : N4015-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT3-2022-05

Quant Time: Aug 18 02:32:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 18 02:23:52 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/30/2022
 Supervised By :Semsettin Yesilyurt 08/30/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	288048	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	8.850	117	290715	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	135590	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	93472	47.596	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.200%		
7) Chloroethane-d5	1.564	69	67694	47.151	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.300%		
11) 1,1-Dichloroethene-d2	2.105	63	158434	44.105	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.220%		
21) 2-Butanone-d5	3.879	46	142935	81.767	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	81.770%		
24) Chloroform-d	4.342	84	186795	46.435	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.860%		
26) 1,2-Dichloroethane-d4	5.027	65	122598	49.086	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.180%		
32) Benzene-d6	5.047	84	369128	52.948	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	105.900%		
36) 1,2-Dichloropropane-d6	6.066	67	123210	49.683	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.360%		
41) Toluene-d8	7.313	98	302487	50.903	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.800%		
43) trans-1,3-Dichloroprop...	7.619	79	48756	45.106	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.220%		
47) 2-Hexanone-d5	8.088	63	87311	73.099	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	73.100%		
56) 1,1,2,2-Tetrachloroeth...	10.214	84	158607	39.246	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	78.500%		
66) 1,2-Dichlorobenzene-d4	11.622	152	108644	46.399	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	5569	2.173	ug/L	98
3) Chloromethane	1.240	50	5771	1.971	ug/L	94
5) Vinyl chloride	1.310	62	5771	1.979	ug/L #	62
6) Bromomethane	1.519	94	2817	2.049	ug/L	95
8) Chloroethane	1.584	64	3262m	2.008	ug/L	
9) Trichlorofluoromethane	1.751	101	9157	2.447	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	6941	3.345	ug/L #	86
12) 1,1-Dichloroethene	2.114	96	6244	3.128	ug/L #	1
13) Acetone	2.172	43	8065	5.983	ug/L	85
14) Carbon disulfide	2.294	76	12391	1.824	ug/L	95
15) Methyl Acetate	2.436	43	6843	2.232	ug/L #	87
16) Methylene chloride	2.503	84	8914	3.344	ug/L	85
17) trans-1,2-Dichloroethene	2.761	96	4762m	2.156	ug/L	
18) Methyl tert-butyl Ether	2.770	73	14973	2.279	ug/L #	90
19) 1,1-Dichloroethane	3.188	63	10656	2.403	ug/L	98
20) cis-1,2-Dichloroethene	3.908	96	5778	2.518	ug/L	100
22) 2-Butanone	4.005	43	9156m	4.955	ug/L	
23) Bromochloromethane	4.249	128	3106m	2.424	ug/L	
25) Chloroform	4.371	83	18548	4.139	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.137	62	10062m	2.883	ug/L	
29) Cyclohexane	4.674	56	6428	1.920	ug/L #	54
30) 1,1,1-Trichloroethane	4.603	97	9514	2.469	ug/L	96
31) Carbon tetrachloride	4.825	117	8256	2.468	ug/L	98
33) Benzene	5.101	78	21300	2.280	ug/L	100
35) Methylcyclohexane	6.127	83	7628	2.169	ug/L #	77
37) 1,2-Dichloropropane	6.175	63	6126m	2.341	ug/L	
38) Bromodichloromethane	6.516	83	8533	2.488	ug/L	86
39) cis-1,3-Dichloropropene	7.034	75	8578m	2.474	ug/L	
40) 4-Methyl-2-pentanone	7.230	43	15123	4.050	ug/L #	82
42) Toluene	7.391	91	21604	2.274	ug/L	96
44) trans-1,3-Dichloropropene	7.657	75	8211m	2.410	ug/L	
45) 1,1,2-Trichloroethane	7.841	97	6123	2.427	ug/L	95
46) Tetrachloroethene	7.979	164	4032	2.303	ug/L	91
48) 2-Hexanone	8.146	43	19756m	6.644	ug/L	
49) Dibromochloromethane	8.246	129	6510	2.441	ug/L	87
50) 1,2-Dibromoethane	8.358	107	6121	2.358	ug/L #	95
51) Chlorobenzene	8.883	112	14371	2.256	ug/L	95
52) Ethylbenzene	9.014	91	19617	2.001	ug/L	98
53) m,p-Xylene	9.143	106	7396	1.997	ug/L	94
54) o-Xylene	9.545	106	7048	1.953	ug/L	91
55) Styrene	9.567	104	10662	1.677	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.239	83	11152	2.639	ug/L #	98
59) Bromoform	9.731	173	4348	2.699	ug/L #	74
60) Isopropylbenzene	9.931	105	17040	1.994	ug/L	98
61) 1,2,3-Trichloropropane	10.272	75	7829	2.515	ug/L	98
62) 1,3,5-Trimethylbenzene	10.538	105	13166	1.866	ug/L	98
63) 1,2,4-Trimethylbenzene	10.915	105	12645	1.829	ug/L	100
64) 1,3-Dichlorobenzene	11.181	146	9072	2.191	ug/L	96
65) 1,4-Dichlorobenzene	11.271	146	10368	2.379	ug/L	97
67) 1,2-Dichlorobenzene	11.641	146	11688	2.694	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.429	75	2156	2.469	ug/L	90
69) 1,3,5-Trichlorobenzene	12.644	180	6644	2.389	ug/L	96
70) 1,2,4-trichlorobenzene	13.262	180	5321	2.303	ug/L	98
71) Naphthalene	13.503	128	15597	1.972	ug/L	98
72) 1,2,3-Trichlorobenzene	13.744	180	5847	2.283	ug/L	91

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

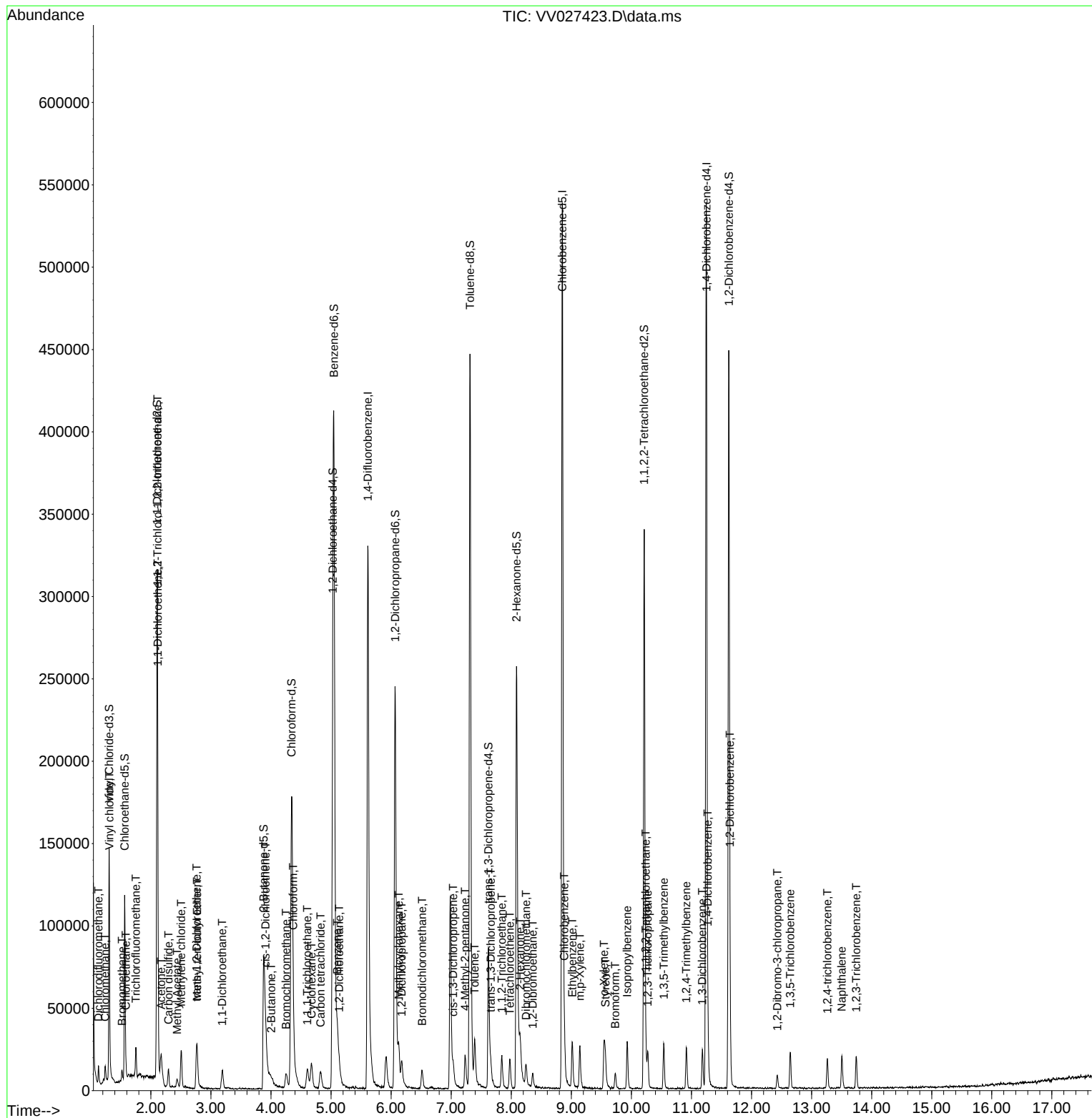
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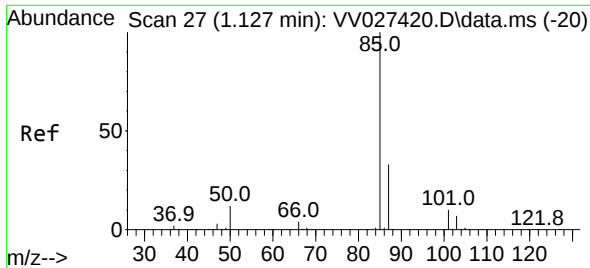
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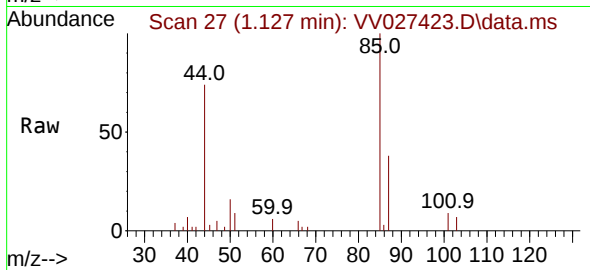
Reviewed By :Mahesh Dadoda 08/30/2022
 Supervised By :Semsettin Yesilyurt 08/30/2022





#2
 Dichlorodifluoromethane
 Concen: 2.173 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV027423.D
 Acq: 17 Aug 2022 17:23

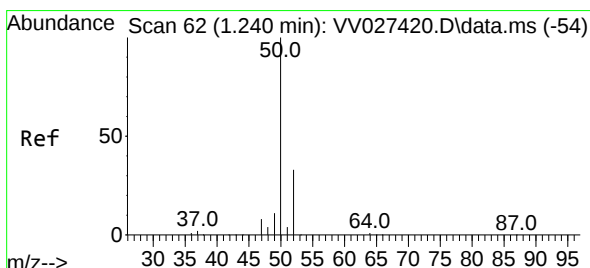
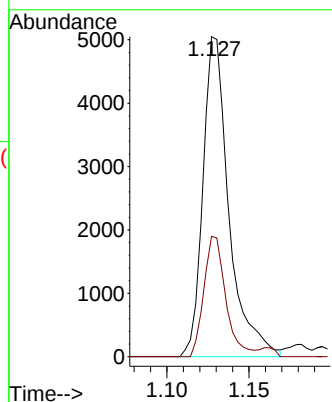
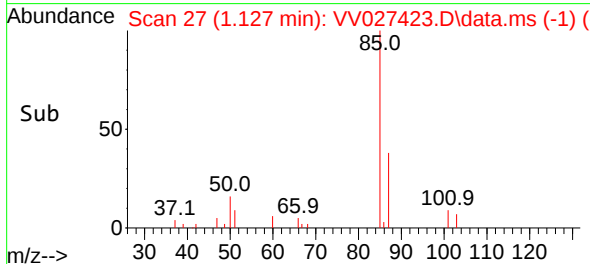
Instrument : MSVOA_V
 ClientSampleId :
 MDL-WATER-QT3-2022-05



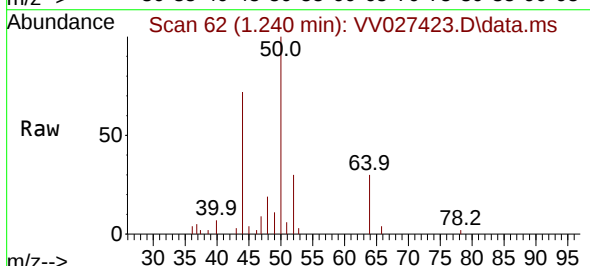
Tgt Ion: 85 Resp: 5569
 Ion Ratio Lower Upper
 85 100
 87 31.7 26.1 39.1

Manual Integrations
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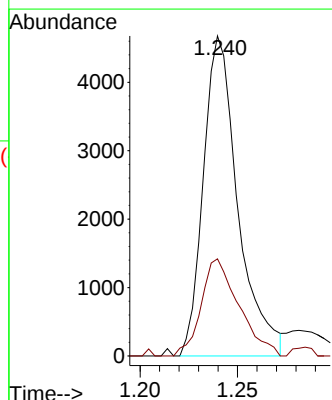
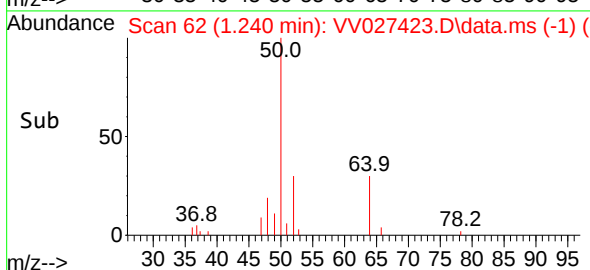
Reviewed By :Mahesh Dadoda 08/30/2022
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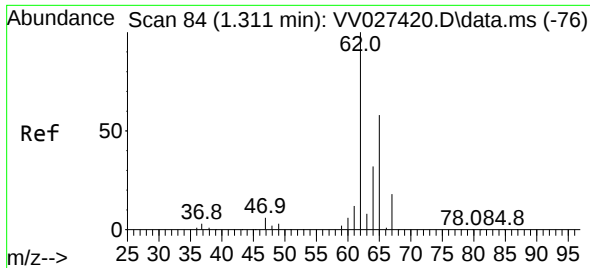


#3
 Chloromethane
 Concen: 1.971 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV027423.D
 Acq: 17 Aug 2022 17:23



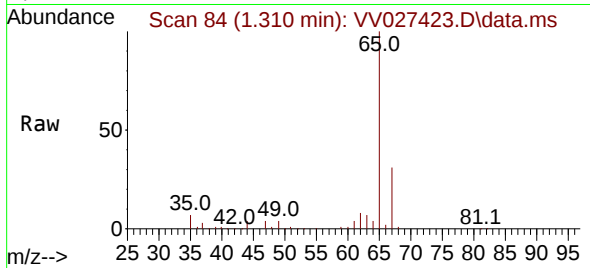
Tgt Ion: 50 Resp: 5771
 Ion Ratio Lower Upper
 50 100
 52 30.3 23.5 43.7





#5
 Vinyl chloride
 Concen: 1.979 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV027423.D
 Acq: 17 Aug 2022 17:23

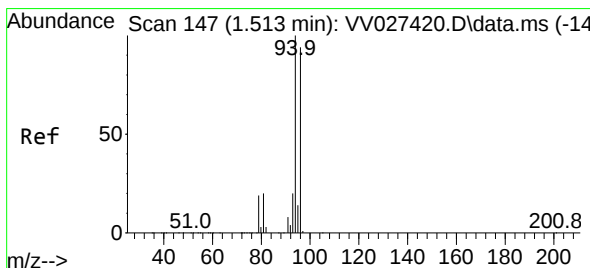
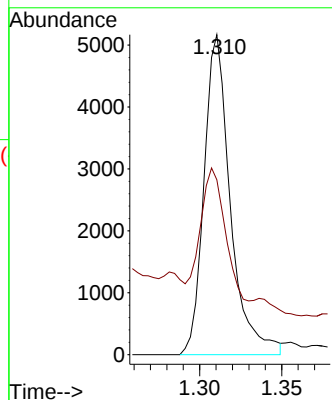
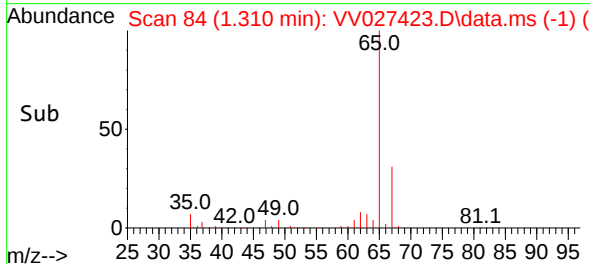
Instrument : MSVOA_V
 ClientSampleId :
 MDL-WATER-QT3-2022-05



Tgt Ion: 62 Resp: 577
 Ion Ratio Lower Upper
 62 100
 64 54.7 23.2 43.2

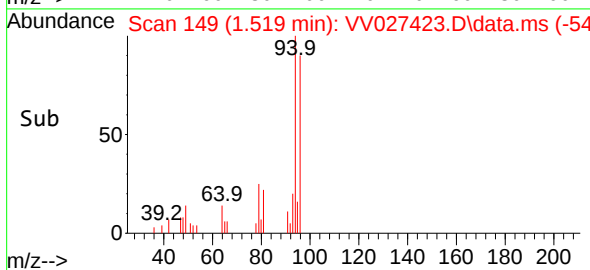
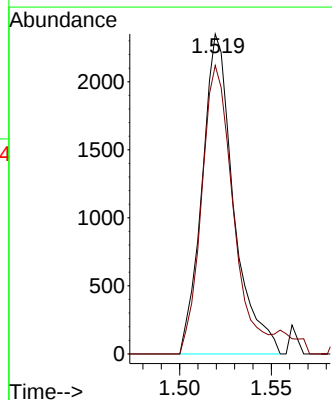
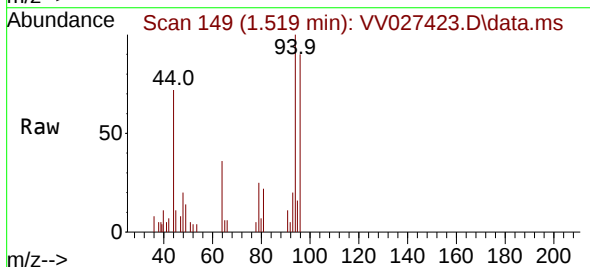
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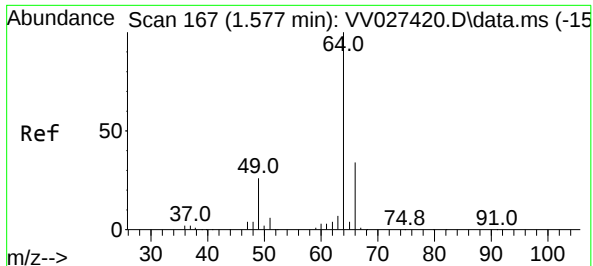
Reviewed By :Mahesh Dadoda 08/30/2022
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#6
 Bromomethane
 Concen: 2.049 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. 0.006 min
 Lab File: VV027423.D
 Acq: 17 Aug 2022 17:23

Tgt Ion: 94 Resp: 2817
 Ion Ratio Lower Upper
 94 100
 96 90.1 66.1 122.8





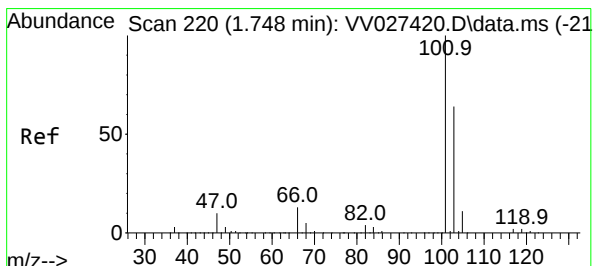
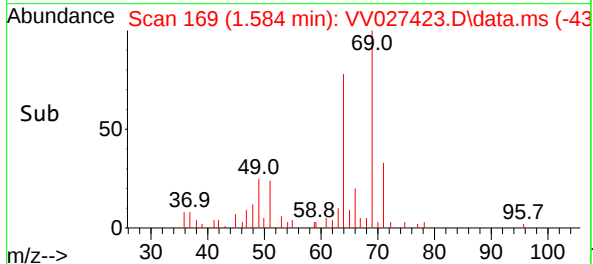
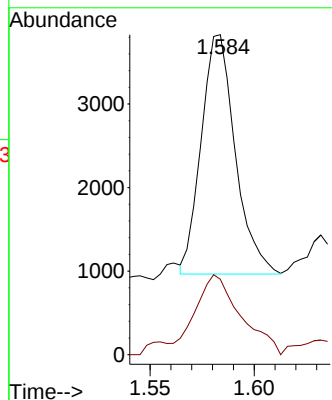
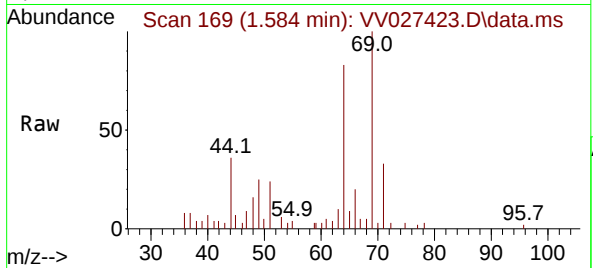
#8
Chloroethane
Concen: 2.008 ug/L m
RT: 1.584 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

Instrument :
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ClientSampleId :
MDL-WATER-QT3-2022-05

Tgt Ion: 64 Resp: 326
Ion Ratio Lower Upper
64 100
66 23.5 22.4 41.6

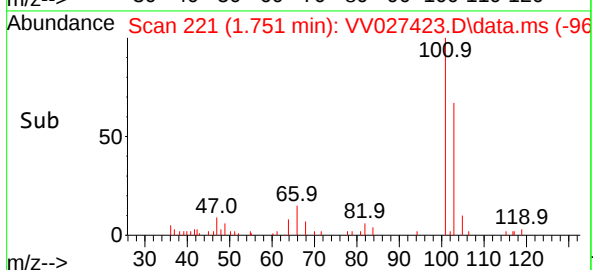
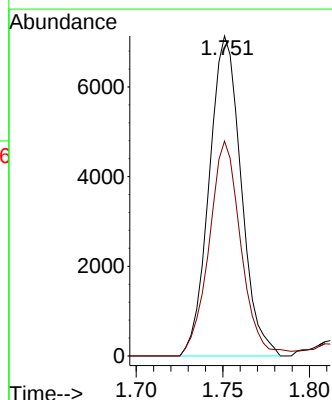
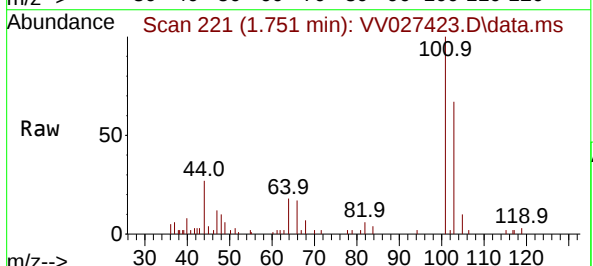
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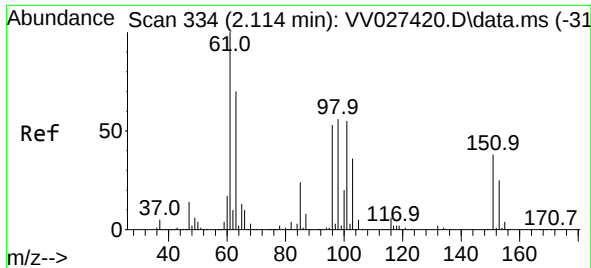
Reviewed By :Mahesh Dadoda 08/30/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#9
Trichlorofluoromethane
Concen: 2.447 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.003 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

Tgt Ion:101 Resp: 9157
Ion Ratio Lower Upper
101 100
103 66.1 52.4 78.6





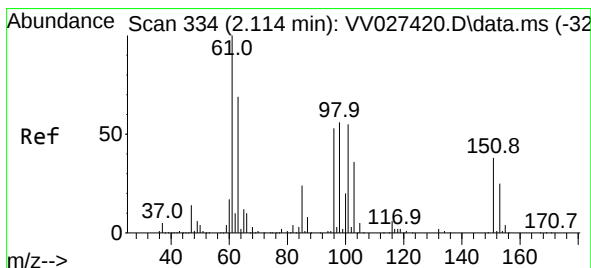
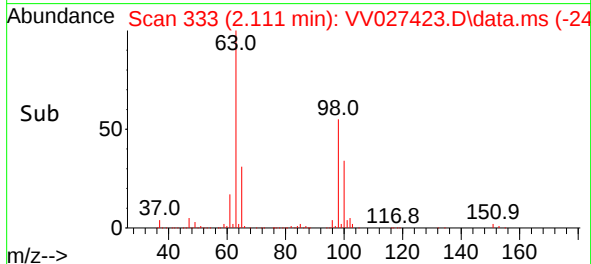
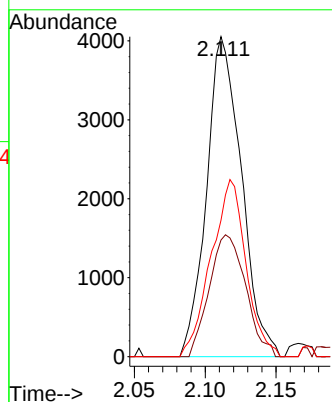
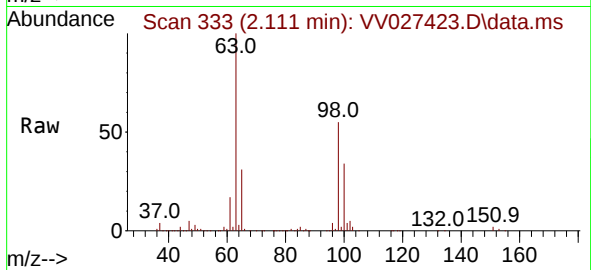
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.345 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.003 min
Lab File: VV027423.D
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Tgt Ion:101 Resp: 694
Ion Ratio Lower Upper
101 100
85 39.8 34.1 51.1
151 55.4 57.8 86.8

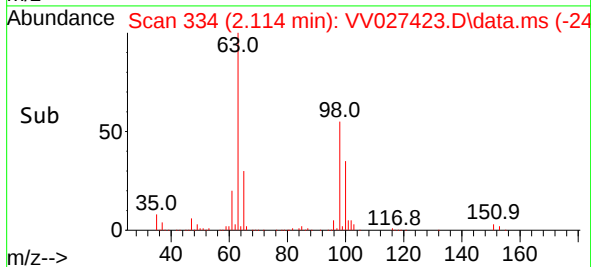
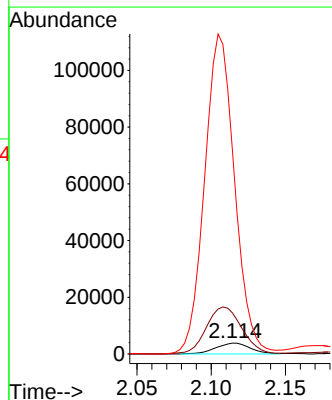
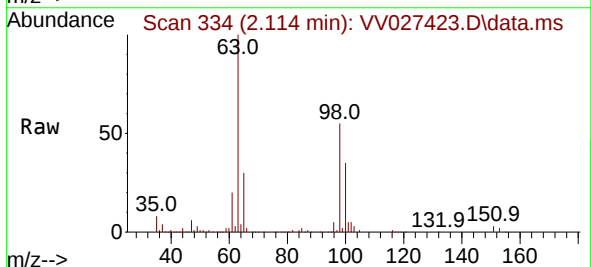
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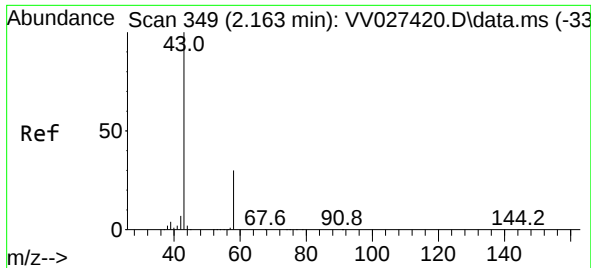
Reviewed By :Mahesh Dadoda 08/30/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#12
1,1-Dichloroethene
Concen: 3.128 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.000 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

Tgt Ion: 96 Resp: 6244
Ion Ratio Lower Upper
96 100
61 378.0 114.3 212.3#
63 1868.8 93.4 173.4#





#13

Acetone

Concen: 5.983 ug/L

RT: 2.172 min Scan# 3

Delta R.T. 0.010 min

Lab File: VV027423.D

Acq: 17 Aug 2022 17:23

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2022-05

Tgt Ion: 43 Resp: 806

Ion Ratio Lower Upper

43 100

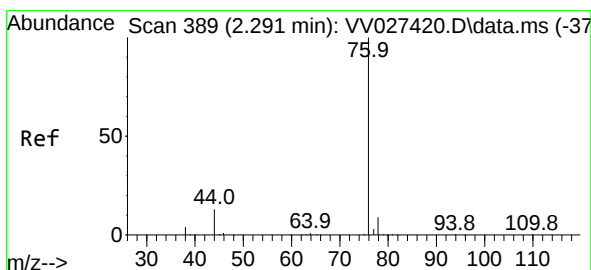
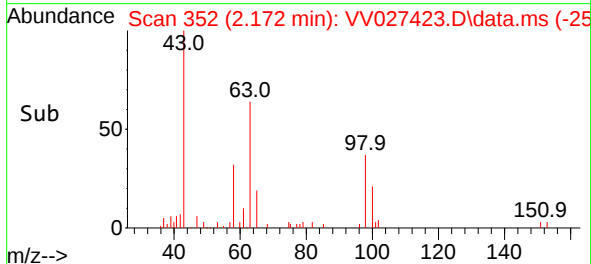
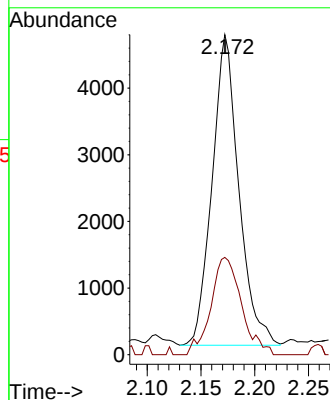
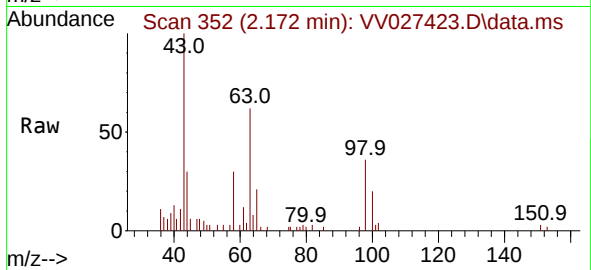
58 32.4 0.0 49.6

Manual Integrations

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Supervised By :Semsettin Yesilyurt 08/30/2022



#14

Carbon disulfide

Concen: 1.824 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.003 min

Lab File: VV027423.D

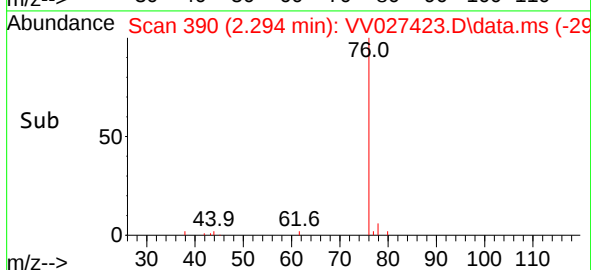
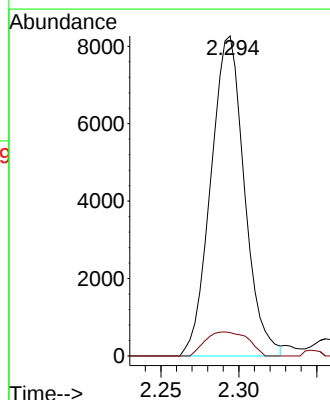
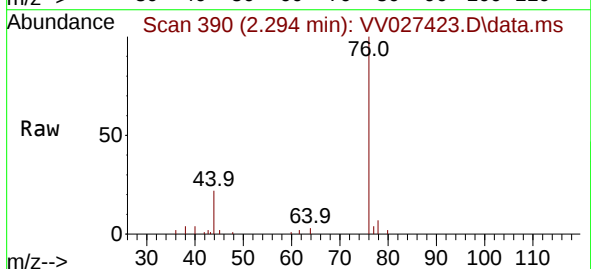
Acq: 17 Aug 2022 17:23

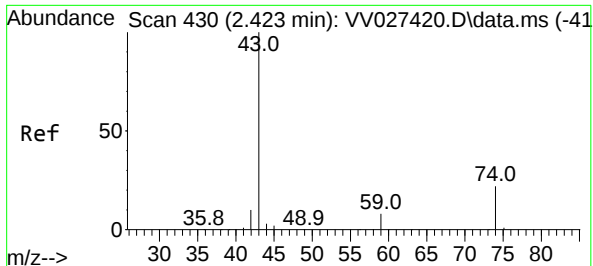
Tgt Ion: 76 Resp: 12391

Ion Ratio Lower Upper

76 100

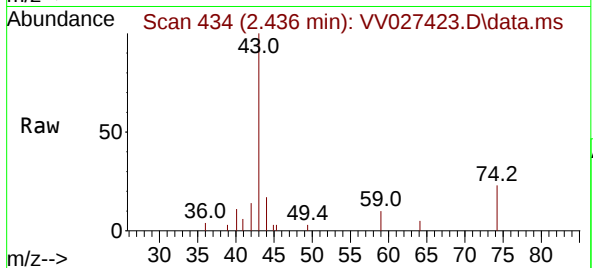
78 7.3 7.3 10.9





#15
Methyl Acetate
Concen: 2.232 ug/L
RT: 2.436 min Scan# 41
Delta R.T. 0.013 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

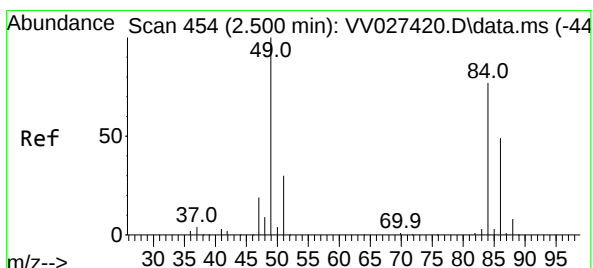
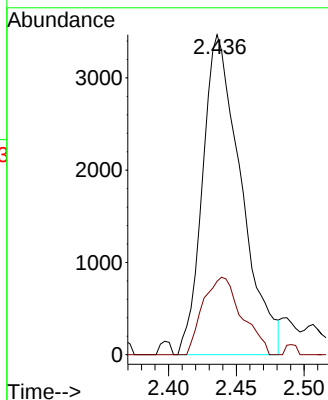
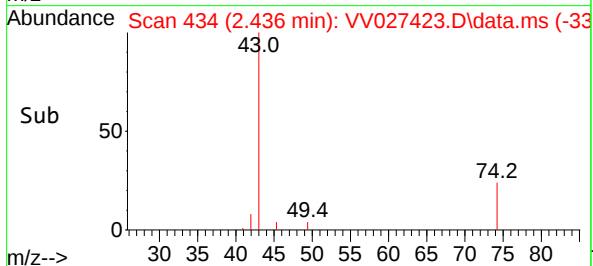
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2022-05



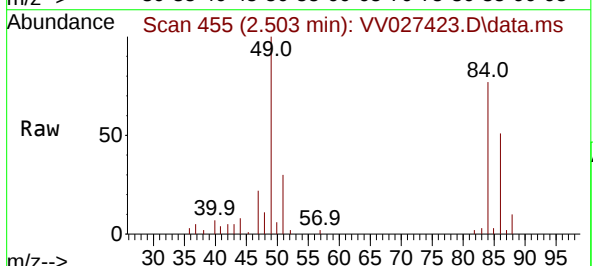
Tgt Ion: 43 Resp: 684
Ion Ratio Lower Upper
43 100
74 24.5 25.5 38.3

Manual Integrations
APPROVED

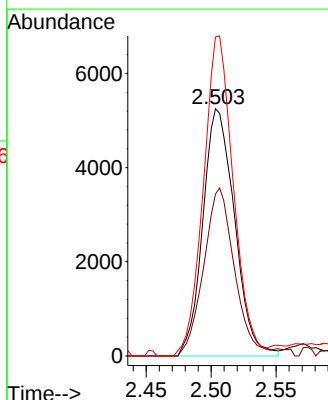
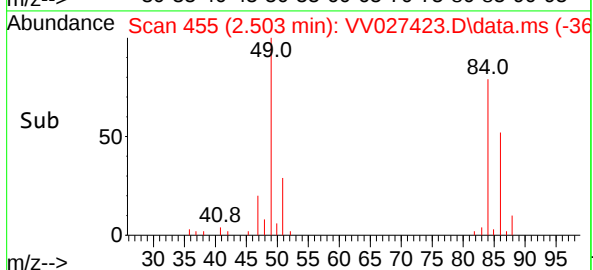
Reviewed By :Mahesh Dadoda 08/30/2022
Supervised By :Semsettin Yesilyurt 08/30/2022

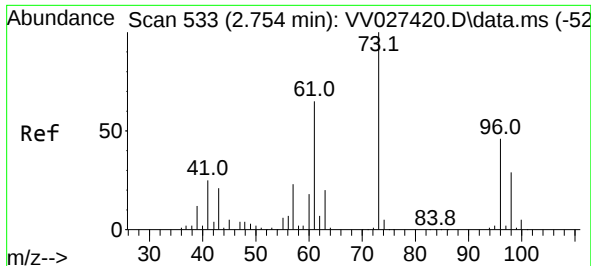


#16
Methylene chloride
Concen: 3.344 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.003 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23



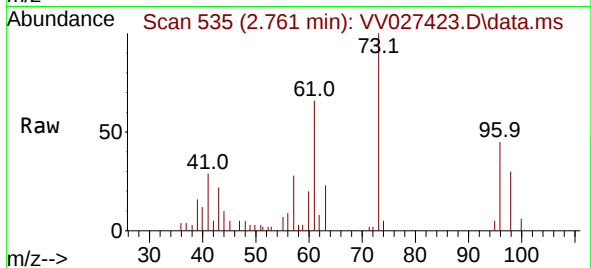
Tgt Ion: 84 Resp: 8914
Ion Ratio Lower Upper
84 100
86 65.5 45.0 83.6
49 129.1 74.1 137.7





#17
trans-1,2-Dichloroethene
Concen: 2.156 ug/L m
RT: 2.761 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

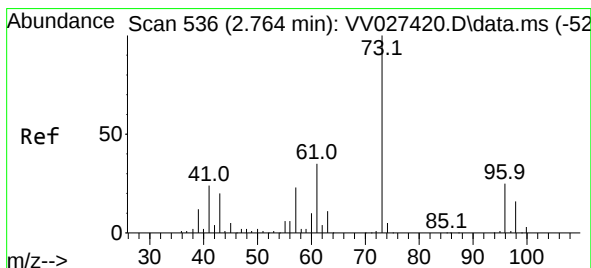
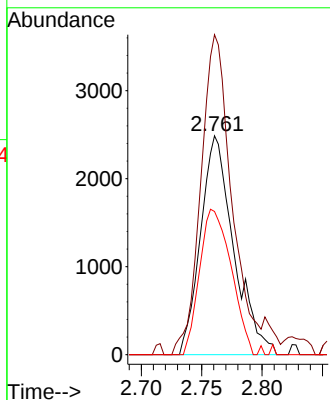
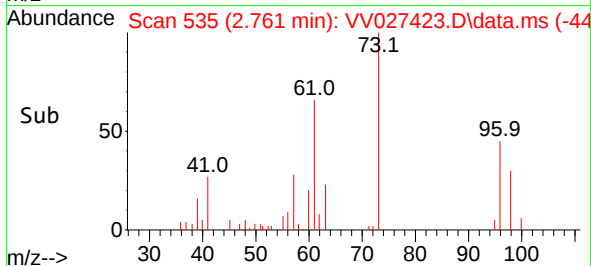
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2022-05



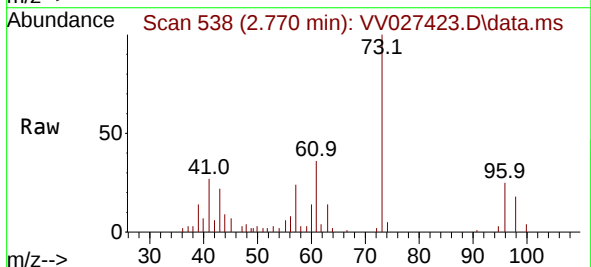
Tgt Ion: 96 Resp: 4762
Ion Ratio Lower Upper
96 100
61 146.2 89.2 165.6
98 65.5 44.6 82.8

Manual Integrations
APPROVED

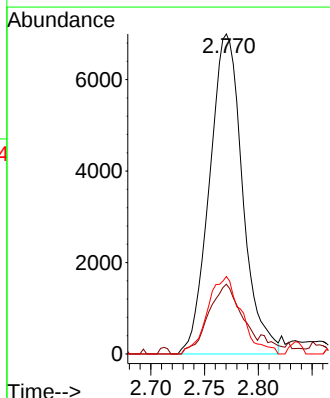
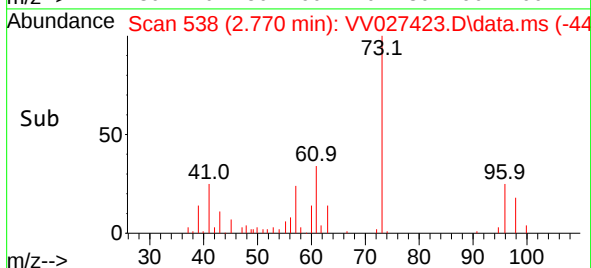
Reviewed By :Mahesh Dadoda 08/30/2022
Supervised By :Semsettin Yesilyurt 08/30/2022

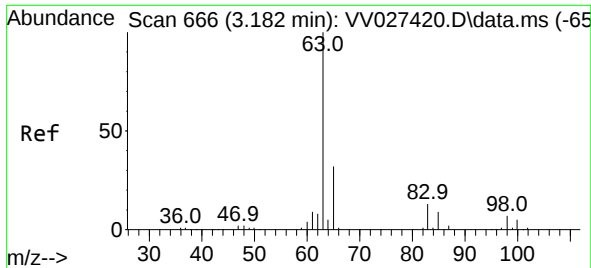


#18
Methyl tert-butyl Ether
Concen: 2.279 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.006 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23



Tgt Ion: 73 Resp: 14973
Ion Ratio Lower Upper
73 100
43 22.0 12.6 18.8#
57 24.8 17.3 25.9





#19

1,1-Dichloroethane

Concen: 2.403 ug/L

RT: 3.188 min Scan# 60

Delta R.T. 0.006 min

Lab File: VV027423.D

Acq: 17 Aug 2022 17:23

Instrument :

MSVOA_V

ClientSampleId :

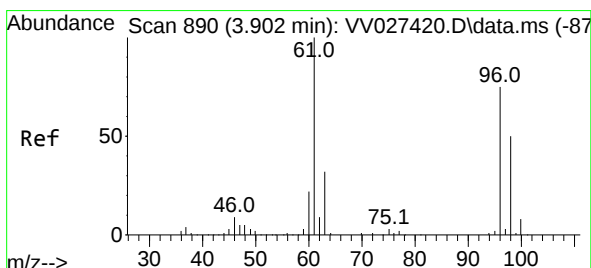
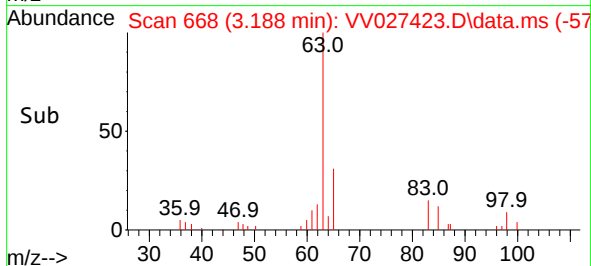
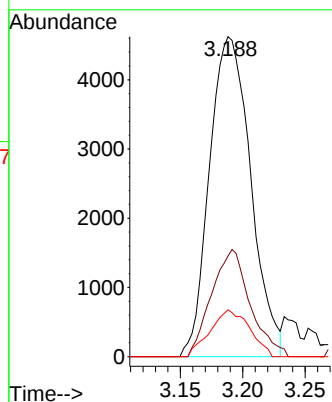
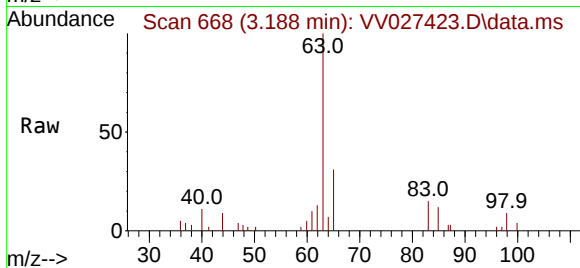
MDL-WATER-QT3-2022-05

Tgt Ion:	63	Resp:	1065
Ion Ratio	Lower	Upper	
63	100		
65	31.5	22.7	42.3
83	14.6	9.5	17.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/30/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#20

cis-1,2-Dichloroethene

Concen: 2.518 ug/L

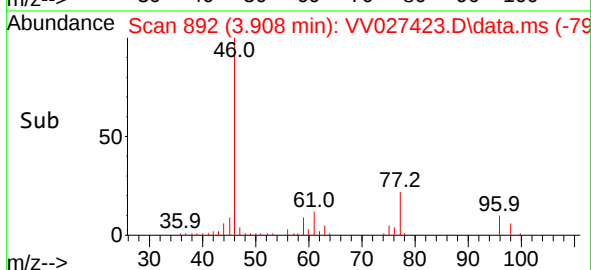
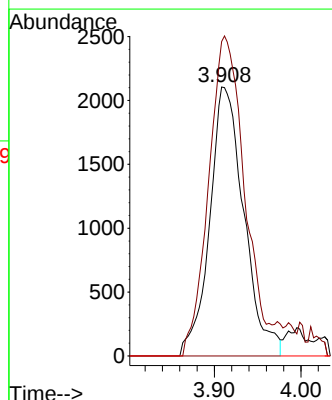
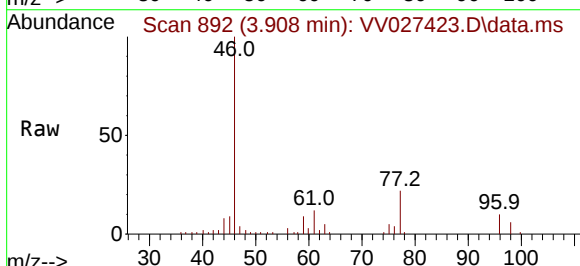
RT: 3.908 min Scan# 892

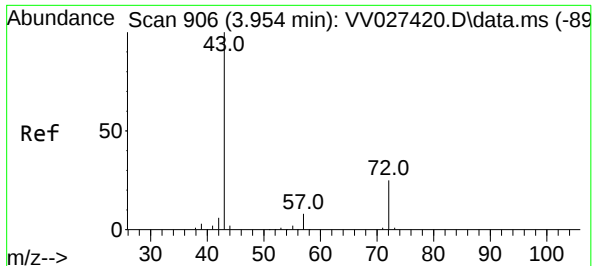
Delta R.T. 0.006 min

Lab File: VV027423.D

Acq: 17 Aug 2022 17:23

Tgt Ion:	96	Resp:	5778
Ion Ratio	Lower	Upper	
96	100		
61	116.9	81.8	151.8
68	0.0	0.0	0.0





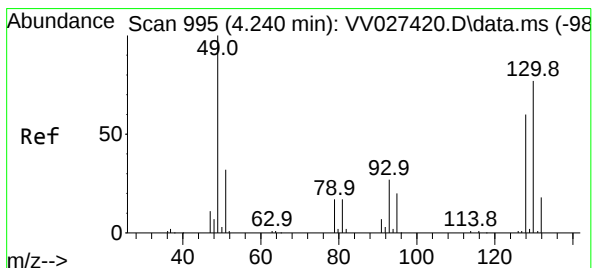
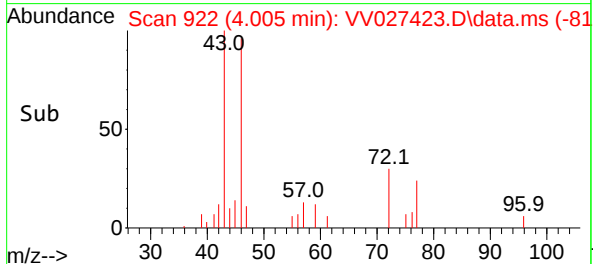
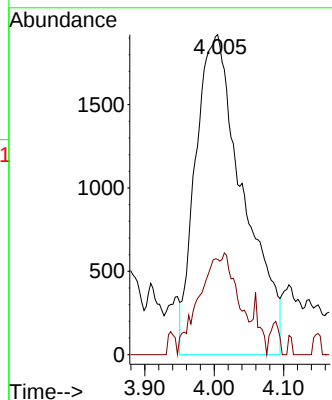
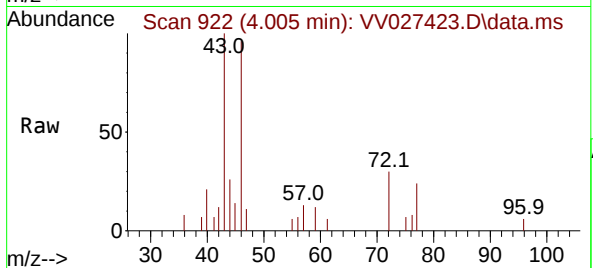
#22
2-Butanone
Concen: 4.955 ug/L m
RT: 4.005 min Scan# 915
Delta R.T. 0.051 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2022-05

Tgt Ion: 43 Resp: 915
Ion Ratio Lower Upper
43 100
72 7.2 11.9 35.7

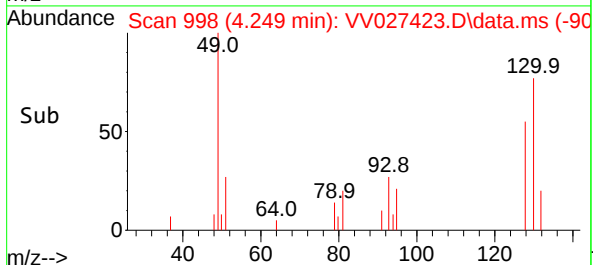
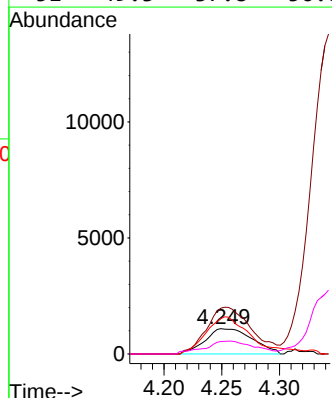
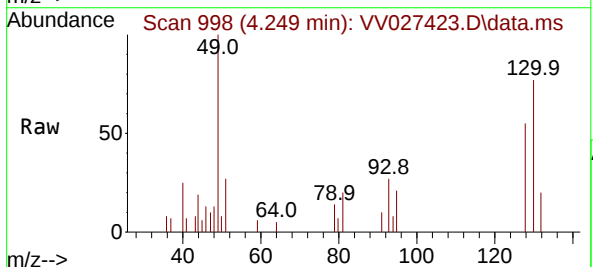
Manual Integrations
APPROVED

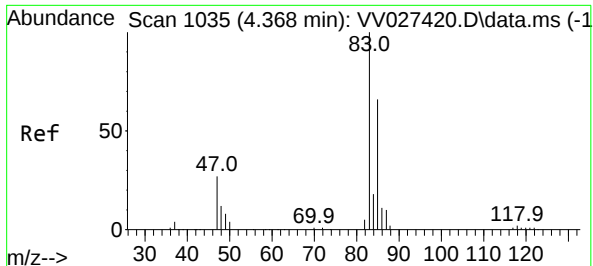
Reviewed By :Mahesh Dadoda 08/30/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#23
Bromochloromethane
Concen: 2.424 ug/L m
RT: 4.249 min Scan# 998
Delta R.T. 0.010 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

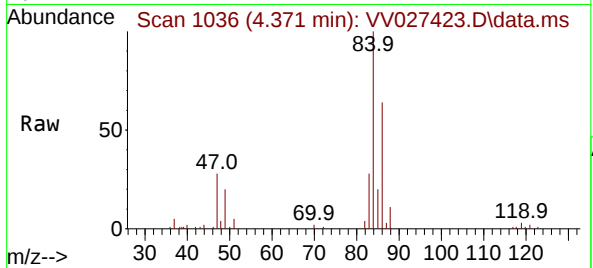
Tgt Ion:128 Resp: 3106
Ion Ratio Lower Upper
128 100
49 181.3 98.7 183.3
130 140.3 89.5 166.1
51 49.3 37.8 56.8





#25
Chloroform
Concen: 4.139 ug/L
RT: 4.371 min Scan# 1036
Delta R.T. 0.003 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

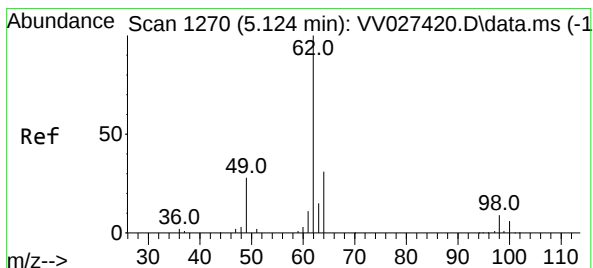
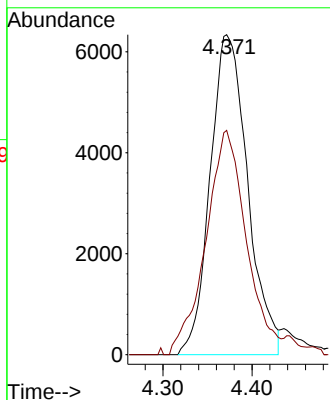
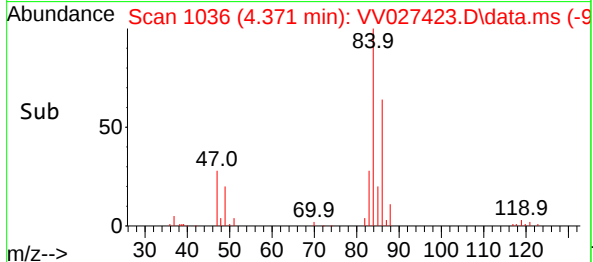
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2022-05



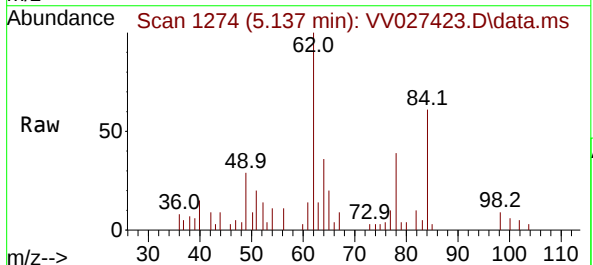
Tgt Ion: 83 Resp: 18548
Ion Ratio Lower Upper
83 100
85 70.1 45.4 84.4

Manual Integrations
APPROVED

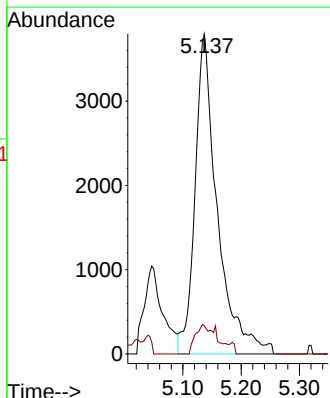
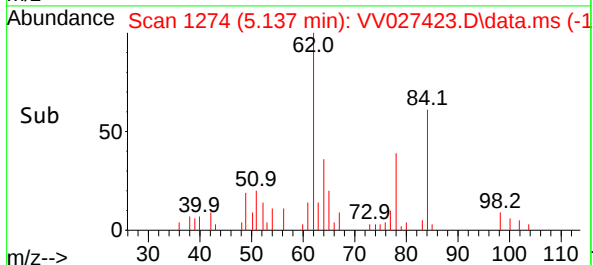
Reviewed By :Mahesh Dadoda 08/30/2022
Supervised By :Semsettin Yesilyurt 08/30/2022

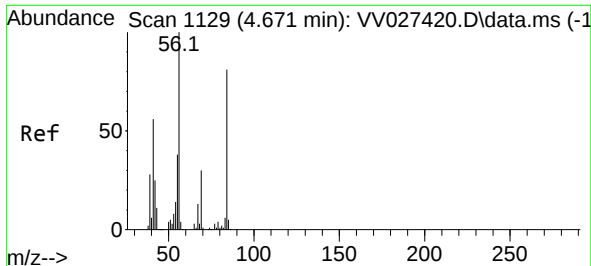


#27
1,2-Dichloroethane
Concen: 2.883 ug/L m
RT: 5.137 min Scan# 1274
Delta R.T. 0.013 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23



Tgt Ion: 62 Resp: 10062
Ion Ratio Lower Upper
62 100
98 8.8 9.0 13.6#





#29

Cyclohexane

Concen: 1.920 ug/L

RT: 4.674 min Scan# 1129

Delta R.T. 0.003 min

Lab File: VV027423.D

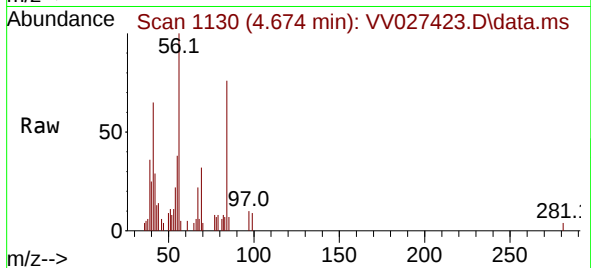
Acq: 17 Aug 2022 17:23

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2022-05



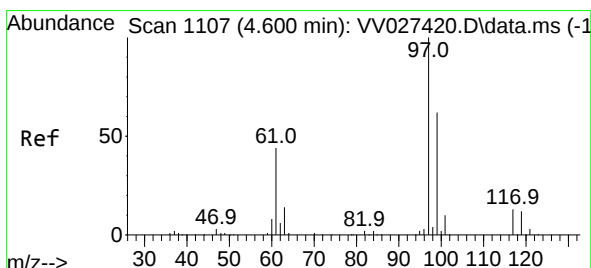
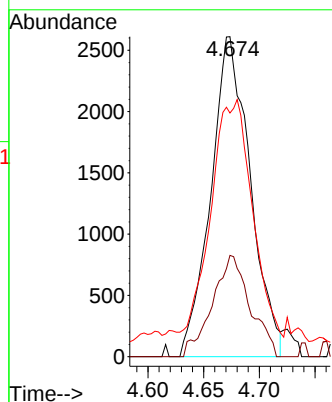
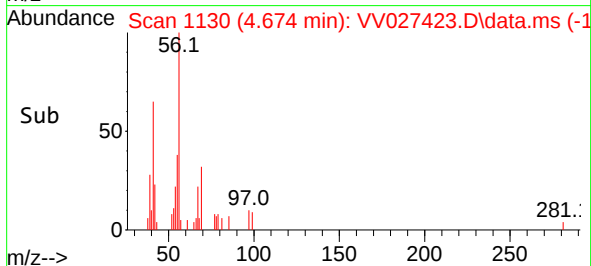
Tgt Ion:	56	Resp:	642
Ion Ratio	100	Lower	Upper
56	100		
69	29.2	25.9	38.9
84	36.0	75.3	112.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/30/2022

Supervised By :Semsettin Yesilyurt 08/30/2022



#30

1,1,1-Trichloroethane

Concen: 2.469 ug/L

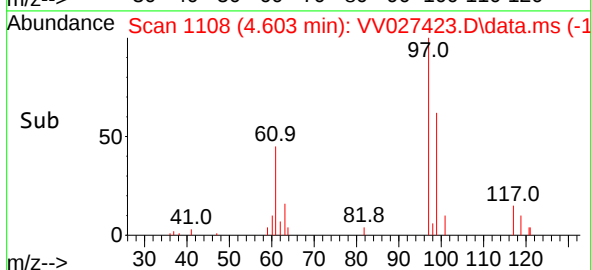
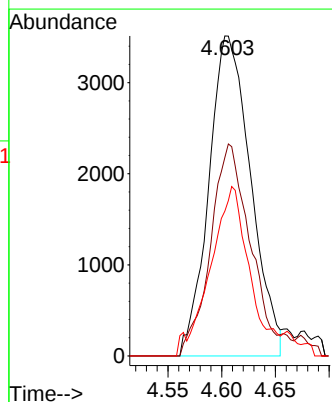
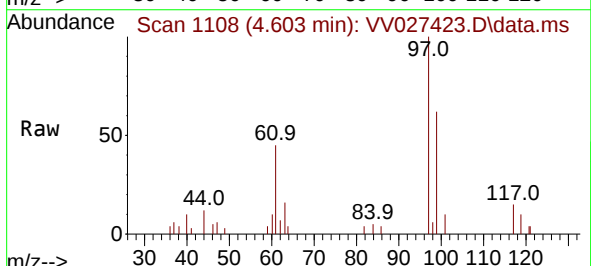
RT: 4.603 min Scan# 1108

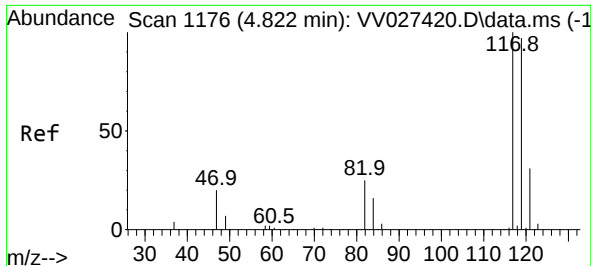
Delta R.T. 0.003 min

Lab File: VV027423.D

Acq: 17 Aug 2022 17:23

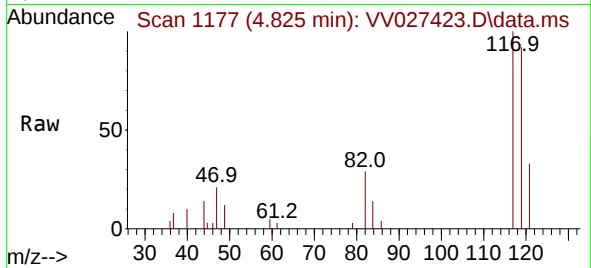
Tgt Ion:	97	Resp:	9514
Ion Ratio	100	Lower	Upper
97	100		
99	62.1	51.4	77.2
61	43.4	32.1	48.1





#31
Carbon tetrachloride
Concen: 2.468 ug/L
RT: 4.825 min Scan# 1176
Delta R.T. 0.003 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

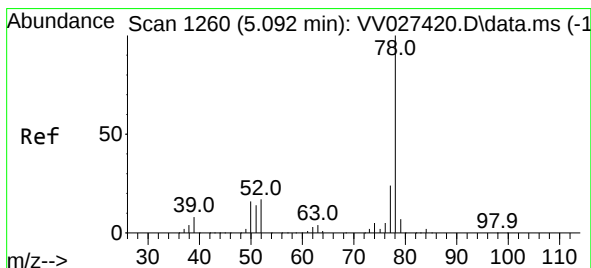
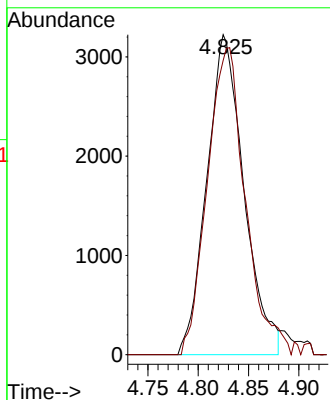
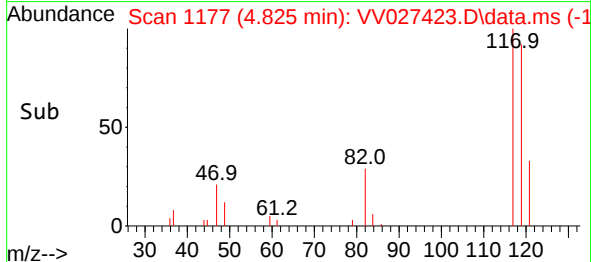
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2022-05



Tgt Ion:117 Resp: 8250
Ion Ratio Lower Upper
117 100
119 98.2 77.0 115.6

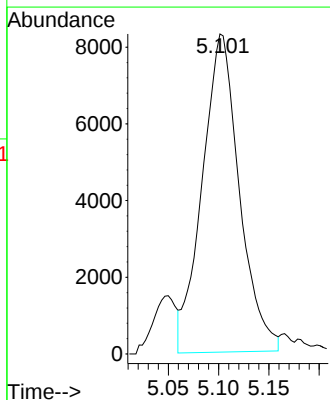
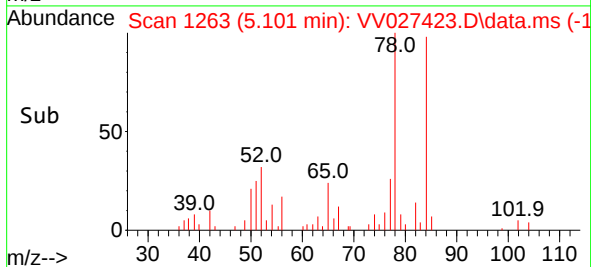
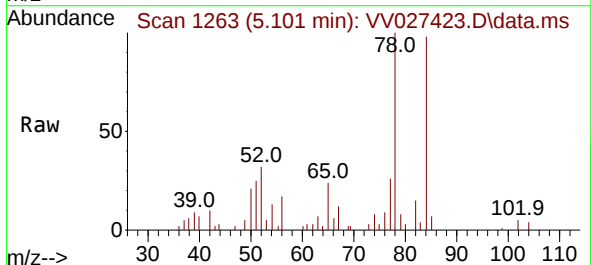
Manual Integrations
APPROVED

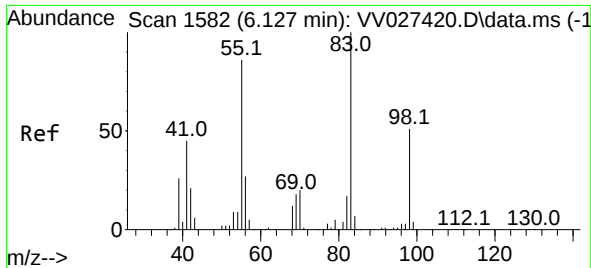
Reviewed By :Mahesh Dadoda 08/30/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#33
Benzene
Concen: 2.280 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.010 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

Tgt Ion: 78 Resp: 21300





#35

Methylcyclohexane

Concen: 2.169 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. -0.000 min

Lab File: VV027423.D

Acq: 17 Aug 2022 17:23

Instrument :

MSVOA_V

ClientSampleId :

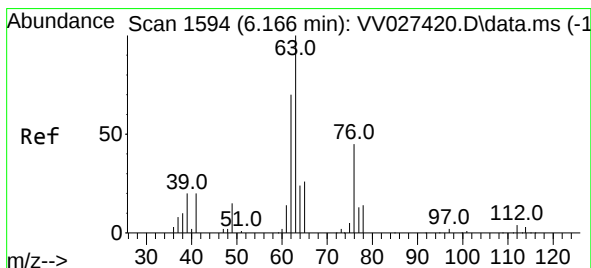
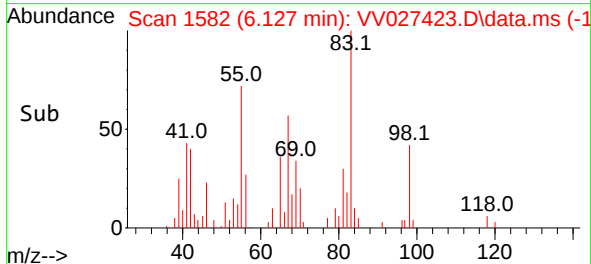
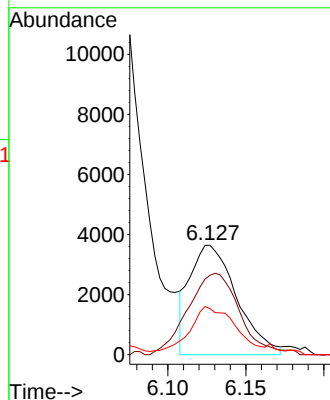
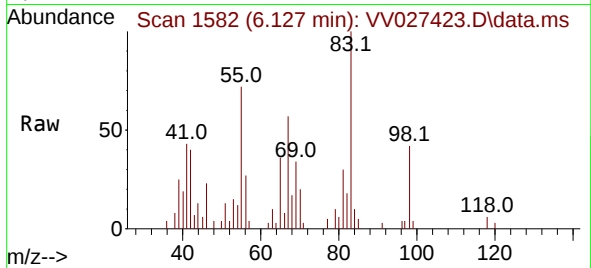
MDL-WATER-QT3-2022-05

Tgt Ion: 83	Resp: 762
Ion Ratio	Lower Upper
83	100
55	81.3 55.5 83.3
98	25.0 39.0 58.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/30/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#37

1,2-Dichloropropane

Concen: 2.341 ug/L m

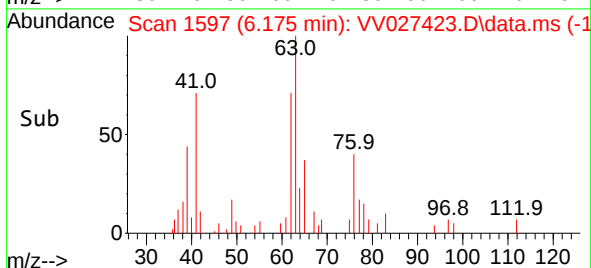
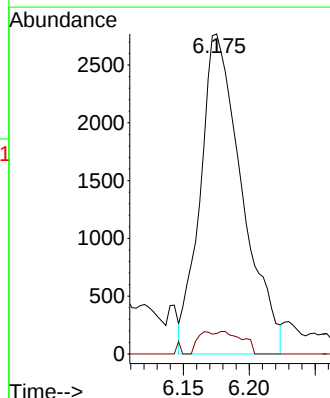
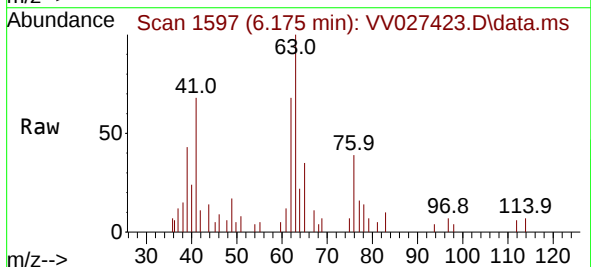
RT: 6.175 min Scan# 1597

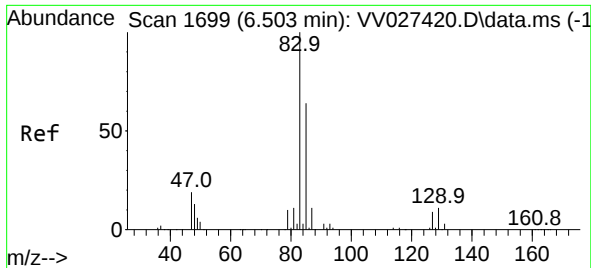
Delta R.T. 0.010 min

Lab File: VV027423.D

Acq: 17 Aug 2022 17:23

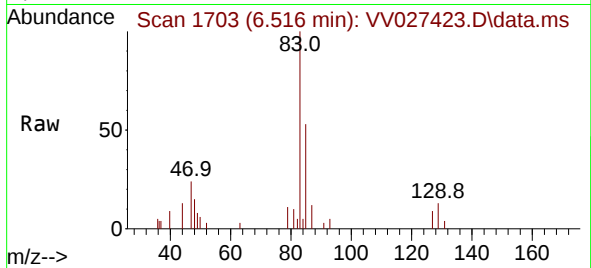
Tgt Ion: 63	Resp: 6126
Ion Ratio	Lower Upper
63	100
112	2.6 3.7 5.5





#38
Bromodichloromethane
Concen: 2.488 ug/L
RT: 6.516 min Scan# 1703
Delta R.T. 0.013 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

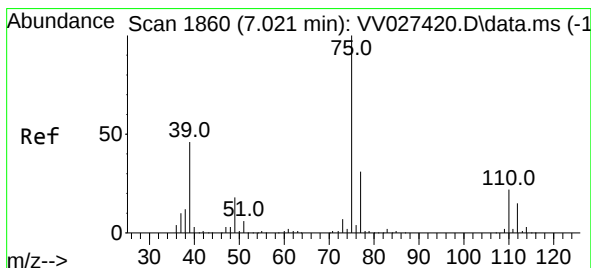
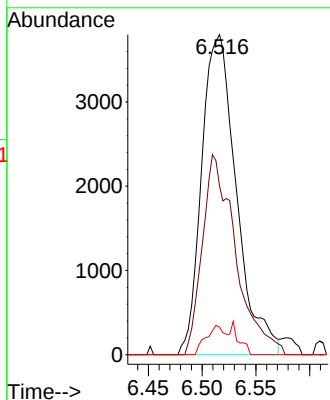
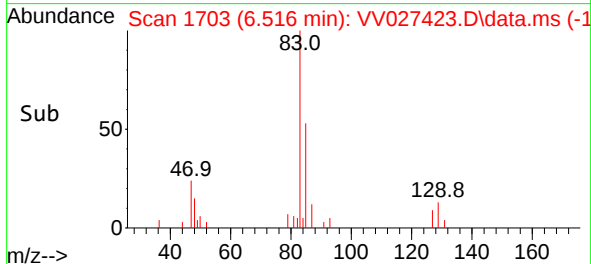
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2022-05



Tgt Ion: 83 Resp: 853
Ion Ratio Lower Upper
83 100
85 52.9 45.5 84.5
127 8.6 7.0 10.6

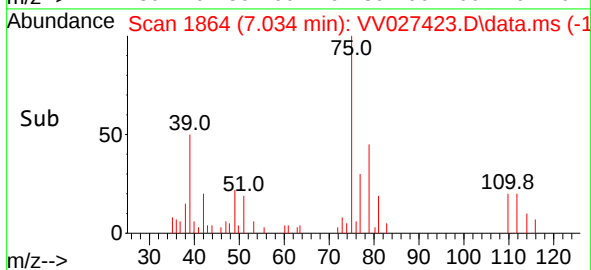
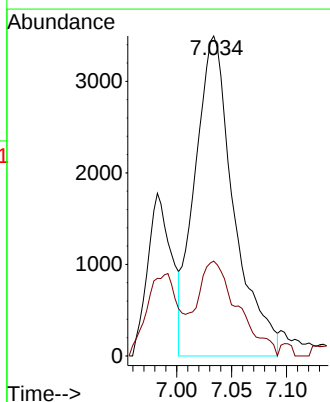
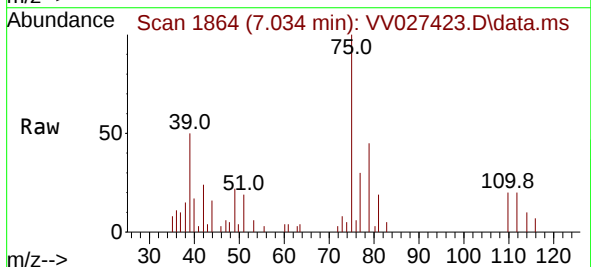
Manual Integrations
APPROVED

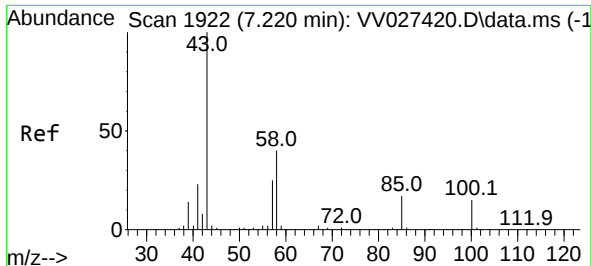
Reviewed By :Mahesh Dadoda 08/30/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#39
cis-1,3-Dichloropropene
Concen: 2.474 ug/L m
RT: 7.034 min Scan# 1864
Delta R.T. 0.013 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

Tgt Ion: 75 Resp: 8578
Ion Ratio Lower Upper
75 100
77 29.7 22.5 41.7





#40

4-Methyl-2-pentanone

Concen: 4.050 ug/L

RT: 7.230 min Scan# 1922

Delta R.T. 0.010 min

Lab File: VV027423.D

Acq: 17 Aug 2022 17:23

Instrument :

MSVOA_V

ClientSampleId :

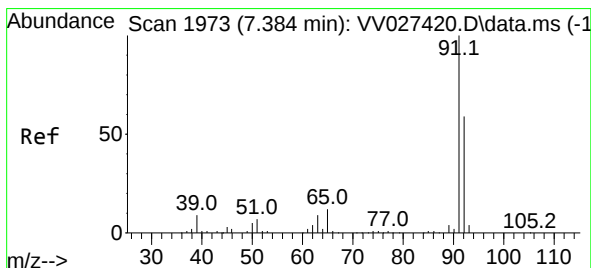
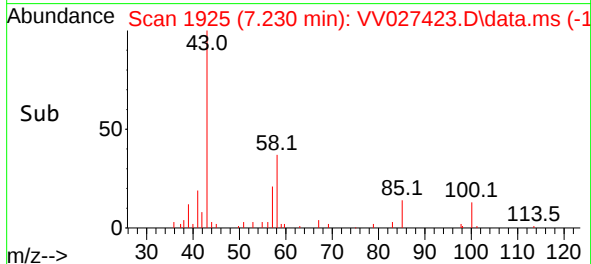
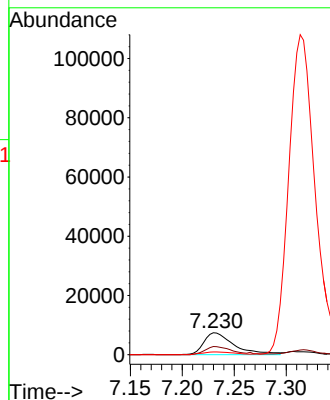
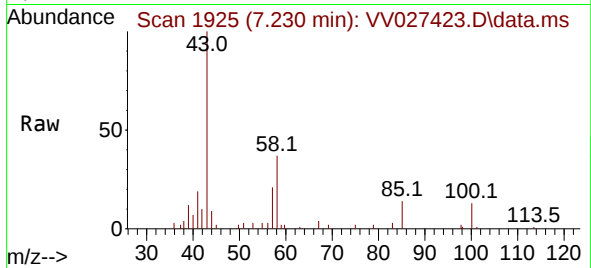
MDL-WATER-QT3-2022-05

Tgt Ion: 43 Resp: 1512
 Ion Ratio Lower Upper
 43 100
 58 31.4 35.3 52.9
 100 12.9 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/30/2022
 Supervised By :Semsettin Yesilyurt 08/30/2022



#42

Toluene

Concen: 2.274 ug/L

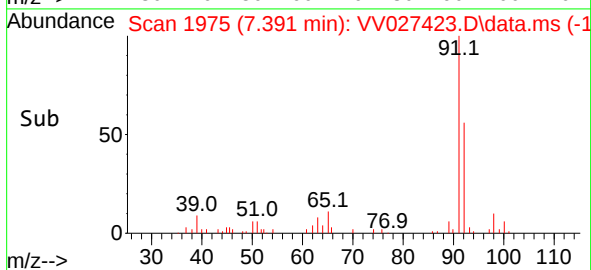
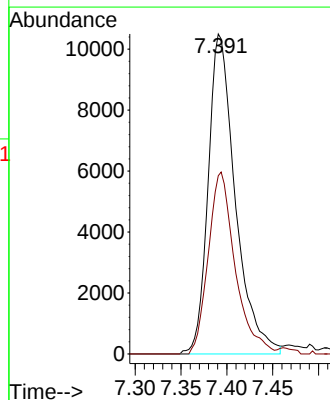
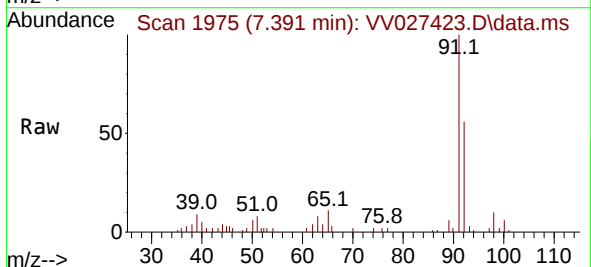
RT: 7.391 min Scan# 1975

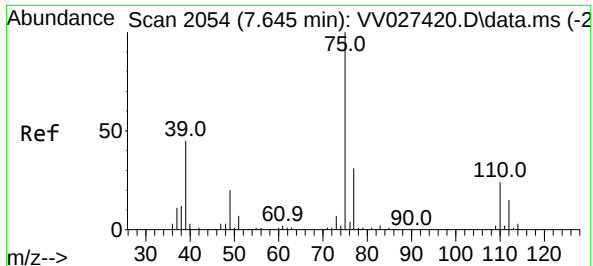
Delta R.T. 0.006 min

Lab File: VV027423.D

Acq: 17 Aug 2022 17:23

Tgt Ion: 91 Resp: 21604
 Ion Ratio Lower Upper
 91 100
 92 55.7 40.9 76.0





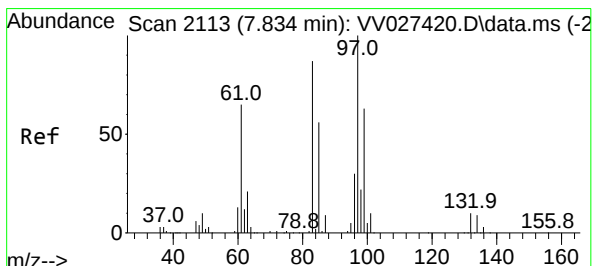
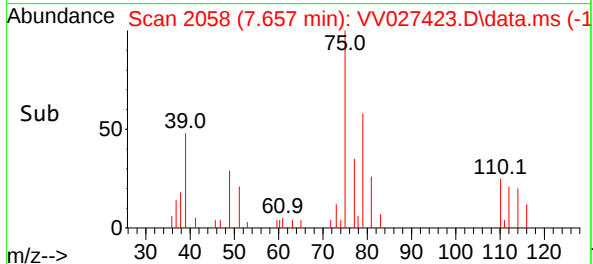
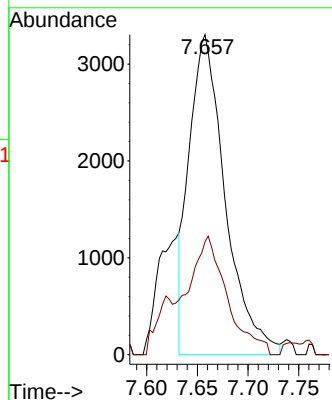
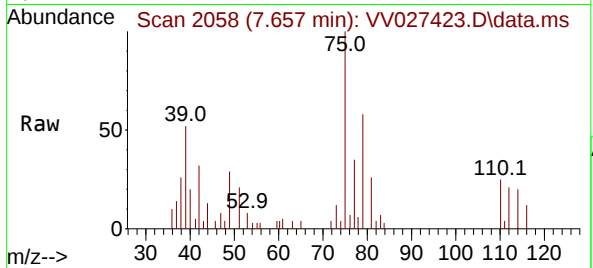
#44
trans-1,3-Dichloropropene
Concen: 2.410 ug/L m
RT: 7.657 min Scan# 2054
Delta R.T. 0.013 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2022-05

Tgt Ion: 75 Resp: 821
Ion Ratio Lower Upper
75 100
77 35.3 22.0 41.0

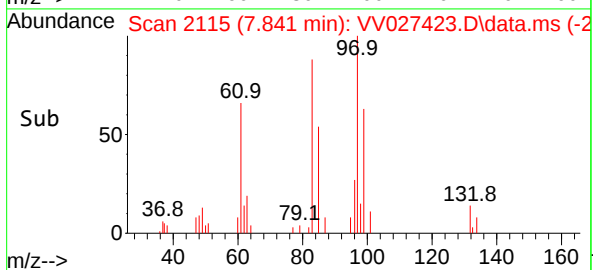
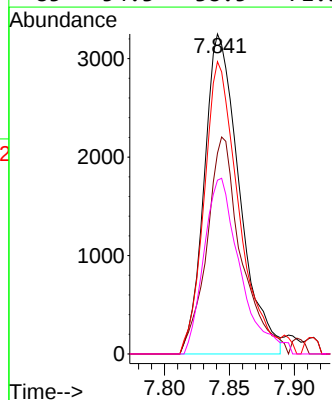
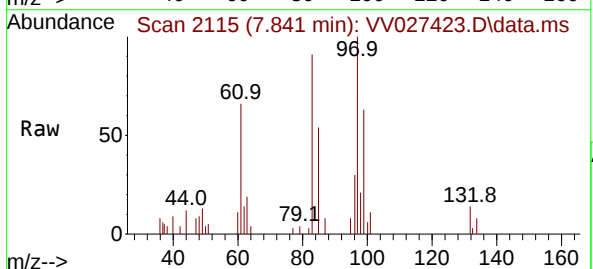
Manual Integrations
APPROVED

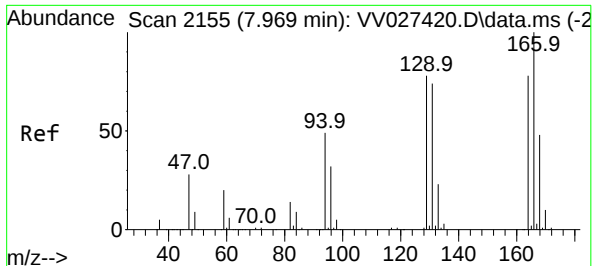
Reviewed By :Mahesh Dadoda 08/30/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#45
1,1,2-Trichloroethane
Concen: 2.427 ug/L
RT: 7.841 min Scan# 2115
Delta R.T. 0.006 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

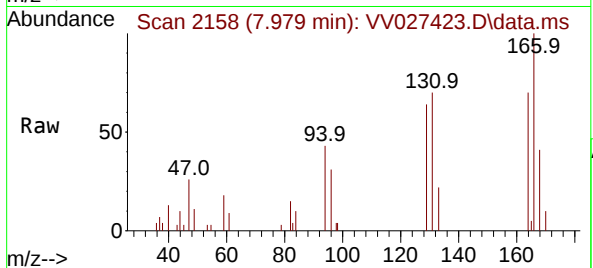
Tgt Ion: 97 Resp: 6123
Ion Ratio Lower Upper
97 100
99 62.7 43.2 80.2
83 91.3 58.0 107.6
85 54.3 38.5 71.5





#46
Tetrachloroethene
Concen: 2.303 ug/L
RT: 7.979 min Scan# 2155
Delta R.T. 0.010 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

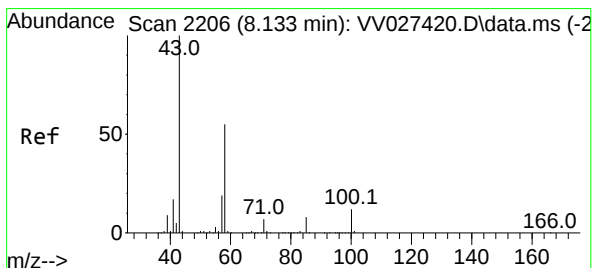
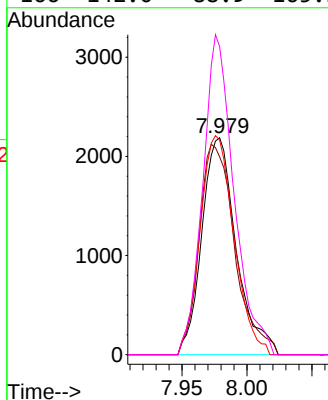
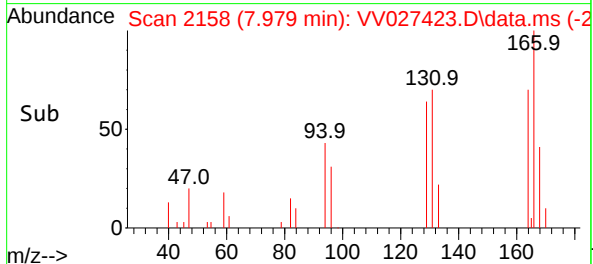
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2022-05



Tgt Ion:164 Resp: 4032
Ion Ratio Lower Upper
164 100
129 91.2 67.5 125.4
131 98.9 64.3 119.3
166 142.0 88.9 165.1

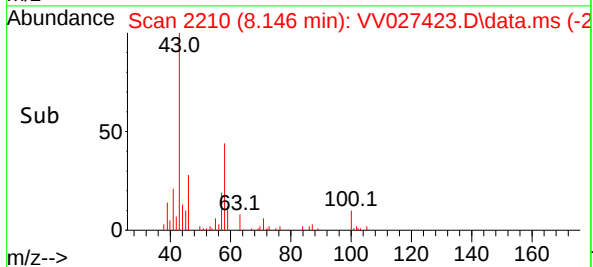
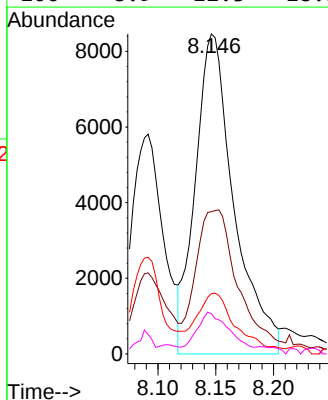
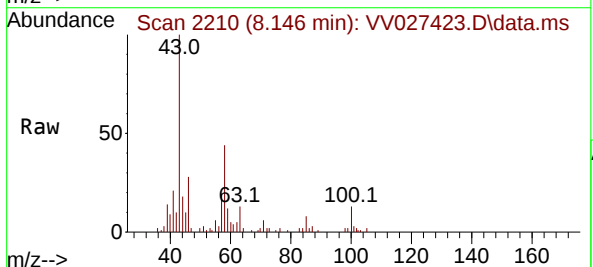
Manual Integrations
APPROVED

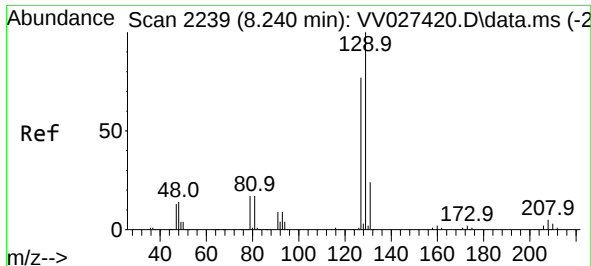
Reviewed By :Mahesh Dadoda 08/30/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#48
2-Hexanone
Concen: 6.644 ug/L m
RT: 8.146 min Scan# 2210
Delta R.T. 0.013 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

Tgt Ion: 43 Resp: 19756
Ion Ratio Lower Upper
43 100
58 47.9 50.8 76.2#
57 15.8 17.1 25.7#
100 8.9 12.3 18.5#





#49

Dibromochloromethane

Concen: 2.441 ug/L

RT: 8.246 min Scan# 2241

Delta R.T. 0.006 min

Lab File: VV027423.D

Acq: 17 Aug 2022 17:23

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2022-05

Tgt Ion:129 Resp: 6510

Ion Ratio Lower Upper

129 100

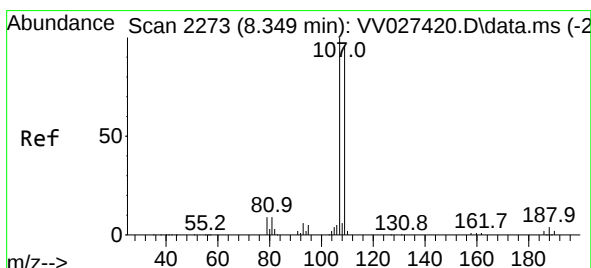
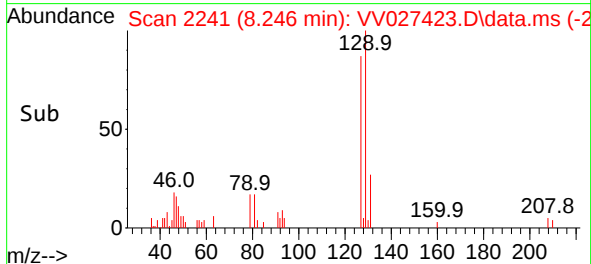
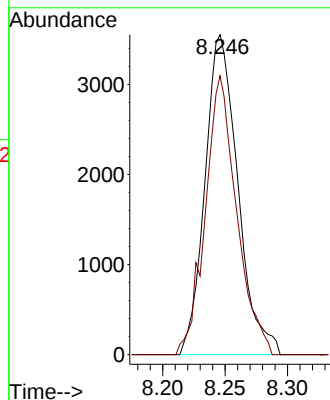
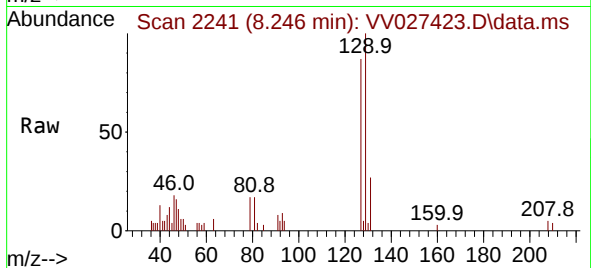
127 87.2 53.3 98.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/30/2022

Supervised By :Semsettin Yesilyurt 08/30/2022



#50

1,2-Dibromoethane

Concen: 2.358 ug/L

RT: 8.358 min Scan# 2276

Delta R.T. 0.010 min

Lab File: VV027423.D

Acq: 17 Aug 2022 17:23

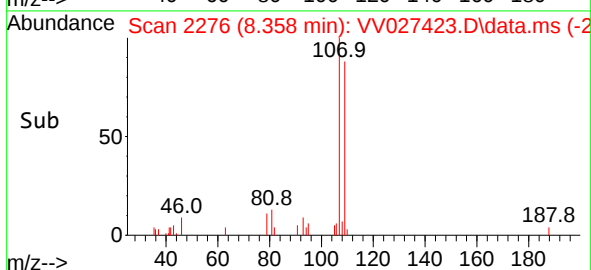
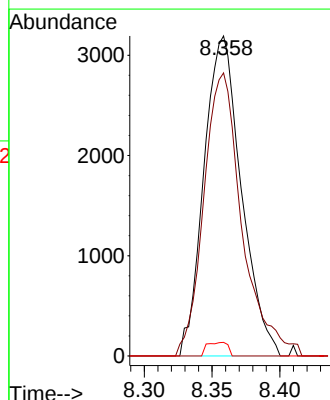
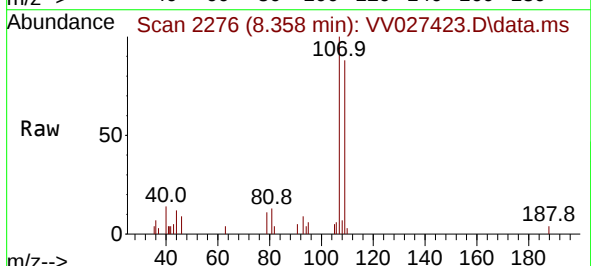
Tgt Ion:107 Resp: 6121

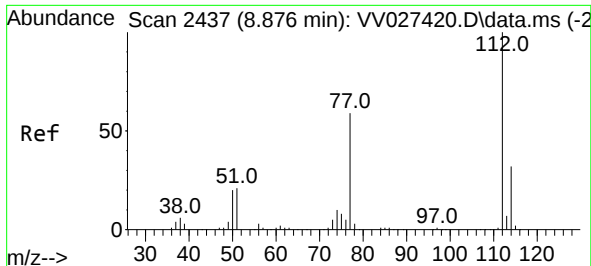
Ion Ratio Lower Upper

107 100

109 88.4 65.7 121.9

188 4.2 2.7 4.1#





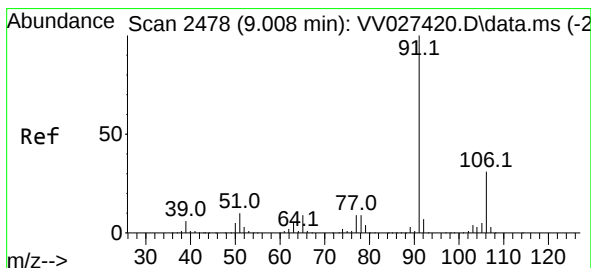
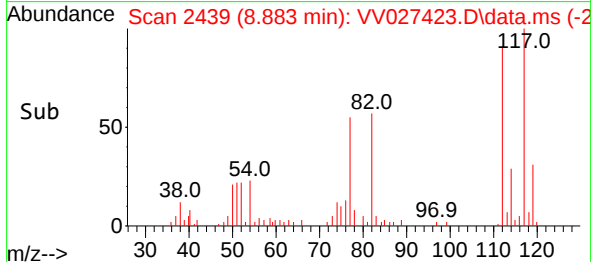
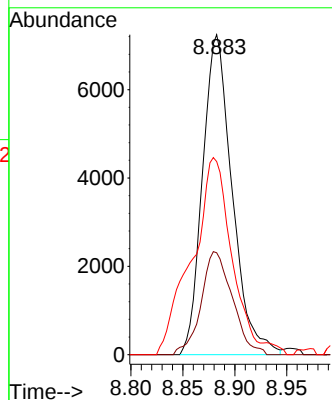
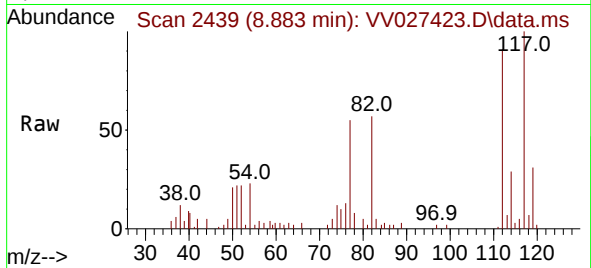
#51
Chlorobenzene
Concen: 2.256 ug/L
RT: 8.883 min Scan# 2437
Delta R.T. 0.006 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2022-05

Tgt Ion:112 Resp: 1437
Ion Ratio Lower Upper
112 100
114 31.8 22.8 42.4
77 60.4 44.2 66.2

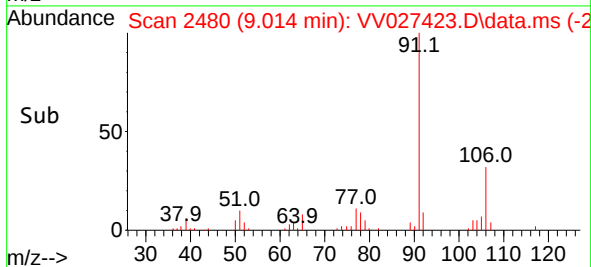
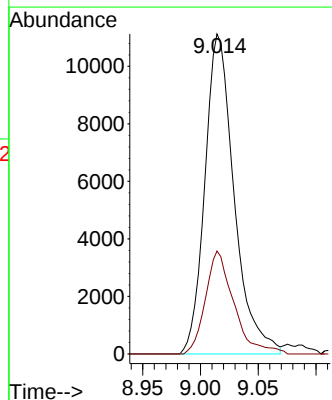
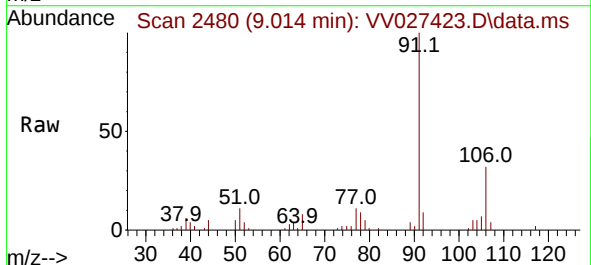
Manual Integrations
APPROVED

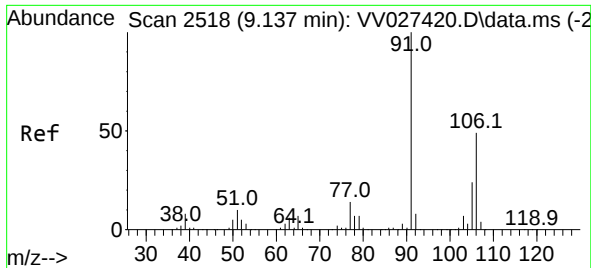
Reviewed By :Mahesh Dadoda 08/30/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#52
Ethylbenzene
Concen: 2.001 ug/L
RT: 9.014 min Scan# 2480
Delta R.T. 0.006 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

Tgt Ion: 91 Resp: 19617
Ion Ratio Lower Upper
91 100
106 32.1 21.8 40.6





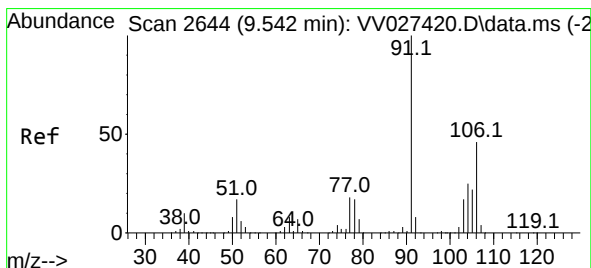
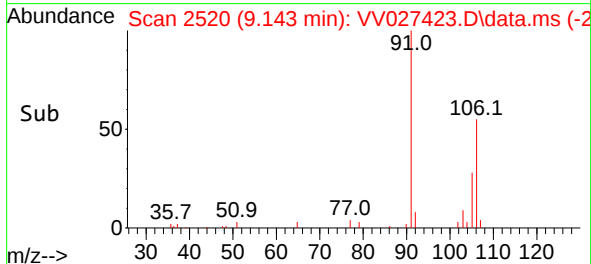
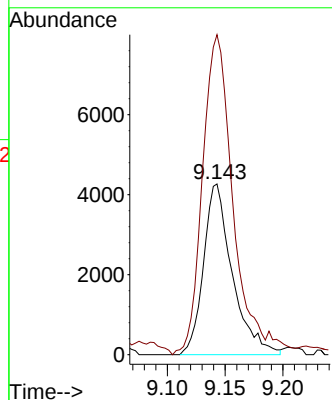
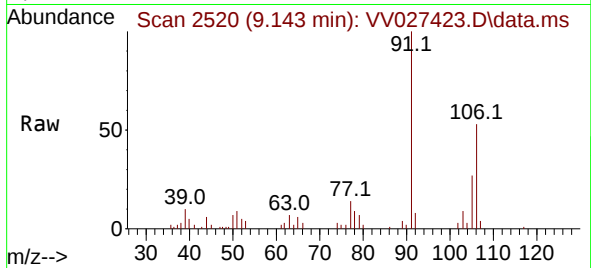
#53
m,p-Xylene
Concen: 1.997 ug/L
RT: 9.143 min Scan# 2518
Delta R.T. 0.006 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2022-05

Tgt Ion:106 Resp: 7390
Ion Ratio Lower Upper
106 100
91 187.4 137.5 255.3

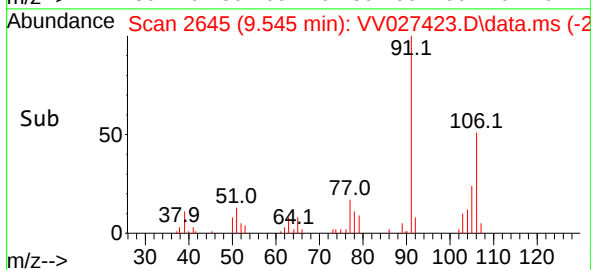
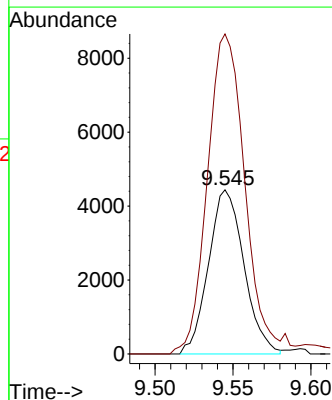
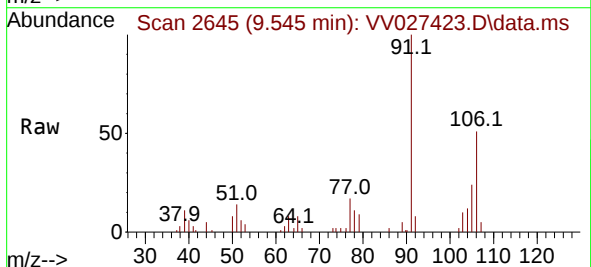
Manual Integrations
APPROVED

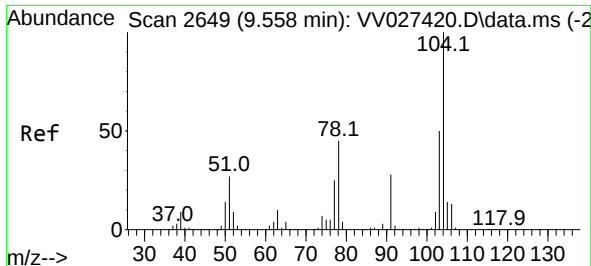
Reviewed By :Mahesh Dadoda 08/30/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#54
o-Xylene
Concen: 1.953 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

Tgt Ion:106 Resp: 7048
Ion Ratio Lower Upper
106 100
91 194.9 146.6 272.2





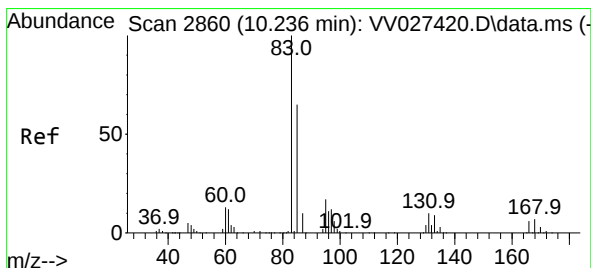
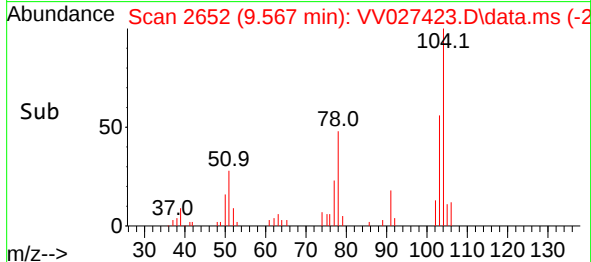
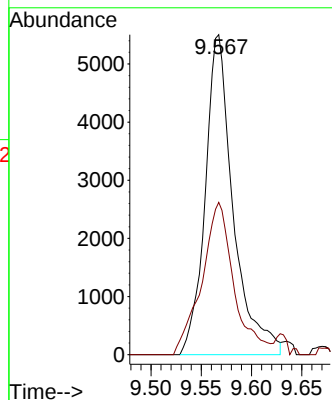
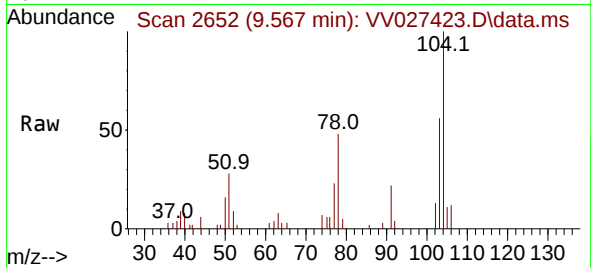
#55
Styrene
Concen: 1.677 ug/L
RT: 9.567 min Scan# 2652
Delta R.T. 0.010 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2022-05

Tgt Ion:104 Resp: 1066
Ion Ratio Lower Upper
104 100
78 47.6 29.6 55.0

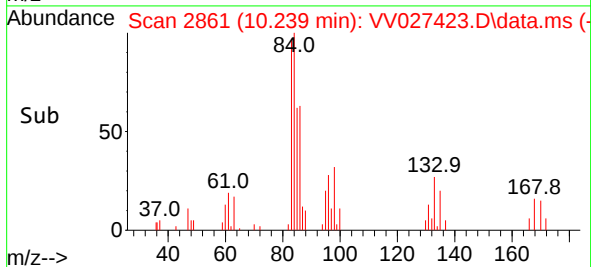
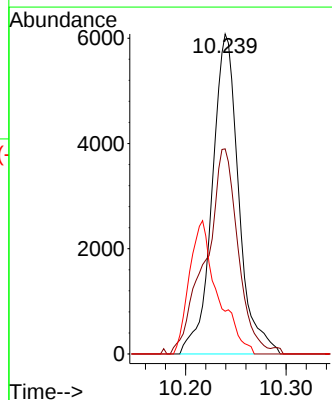
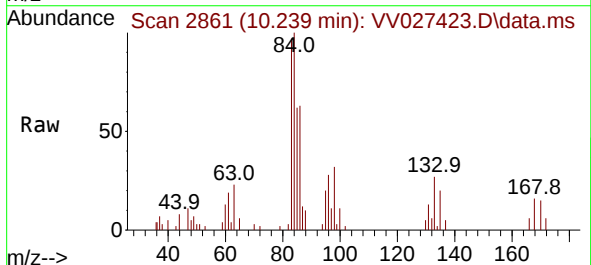
Manual Integrations
APPROVED

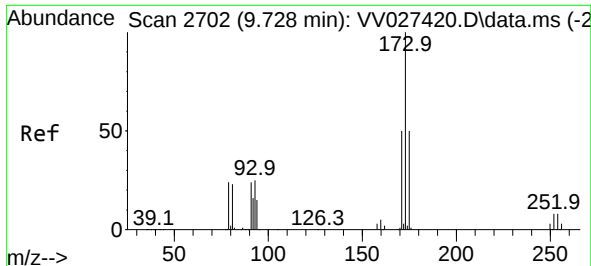
Reviewed By :Mahesh Dadoda 08/30/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#57
1,1,2,2-Tetrachloroethane
Concen: 2.639 ug/L
RT: 10.239 min Scan# 2861
Delta R.T. 0.003 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

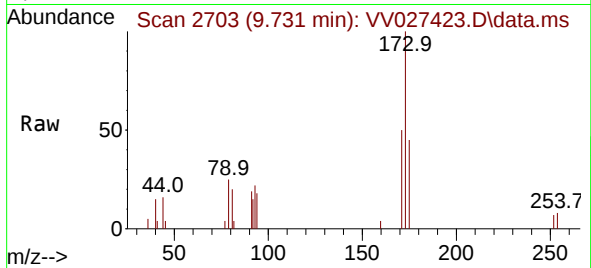
Tgt Ion: 83 Resp: 11152
Ion Ratio Lower Upper
83 100
85 64.1 45.2 84.0
131 13.4 8.1 12.1#





#59
Bromoform
Concen: 2.699 ug/L
RT: 9.731 min Scan# 2703
Delta R.T. 0.003 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

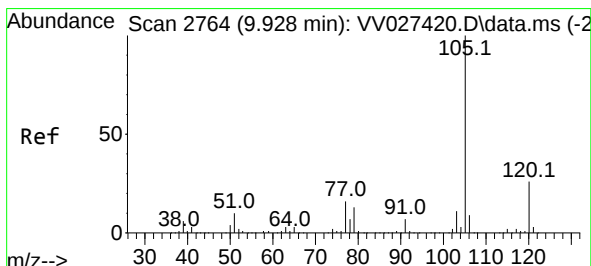
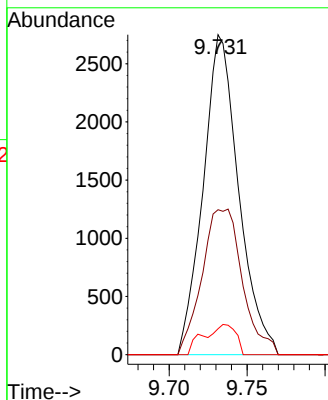
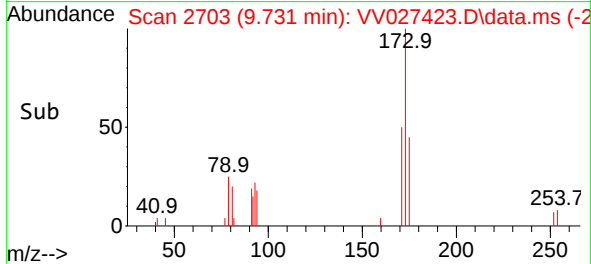
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2022-05



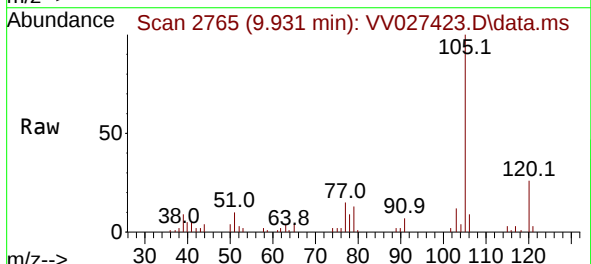
Tgt Ion:173 Resp: 434
Ion Ratio Lower Upper
173 100
175 29.2 39.0 58.4
254 5.7 6.9 10.3

Manual Integrations
APPROVED

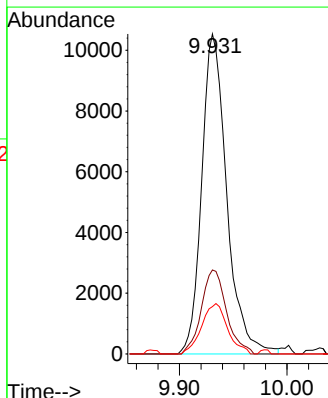
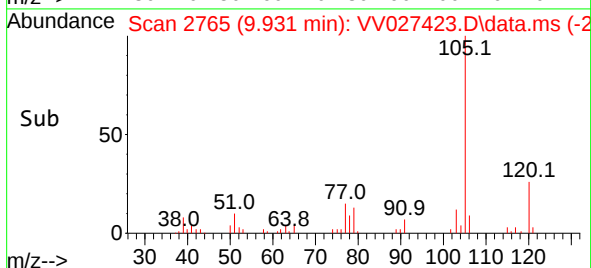
Reviewed By :Mahesh Dadoda 08/30/2022
Supervised By :Semsettin Yesilyurt 08/30/2022

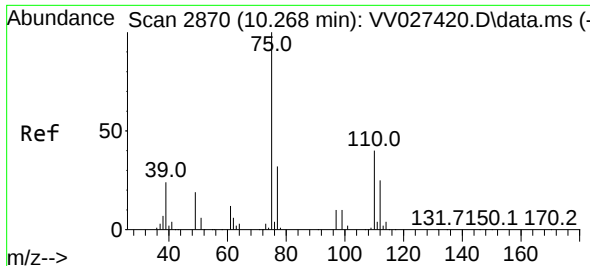


#60
Isopropylbenzene
Concen: 1.994 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.003 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23



Tgt Ion:105 Resp: 17040
Ion Ratio Lower Upper
105 100
120 26.4 21.4 32.0
77 16.3 11.8 17.6





#61

1,2,3-Trichloropropane

Concen: 2.515 ug/L

RT: 10.272 min Scan# 2870

Delta R.T. 0.003 min

Lab File: VV027423.D

Acq: 17 Aug 2022 17:23

Instrument :

MSVOA_V

ClientSampleId :

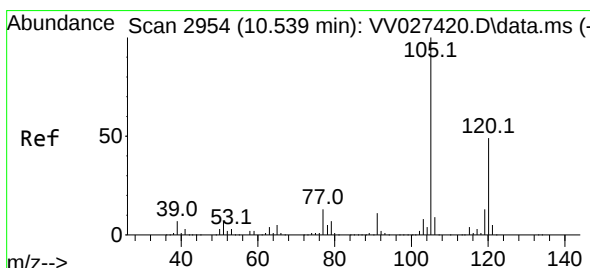
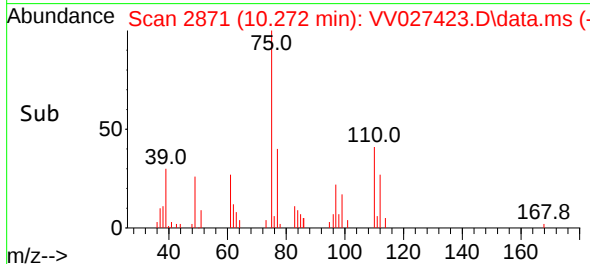
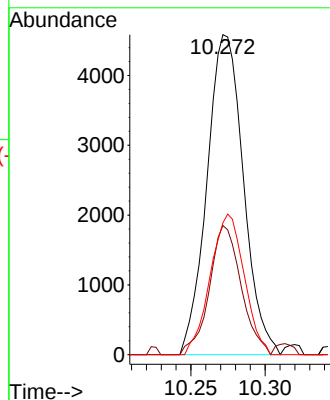
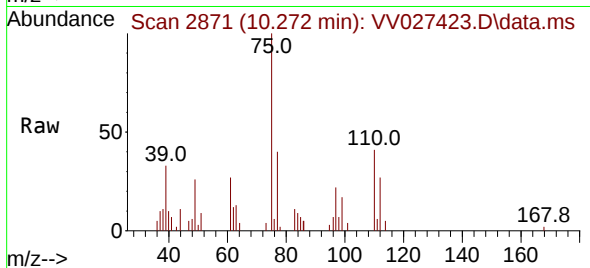
MDL-WATER-QT3-2022-05

Tgt Ion: 75	Resp: 7829
Ion Ratio	Lower Upper
75 100	
77 35.2	25.8 38.8
110 40.8	32.7 49.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/30/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#62

1,3,5-Trimethylbenzene

Concen: 1.866 ug/L

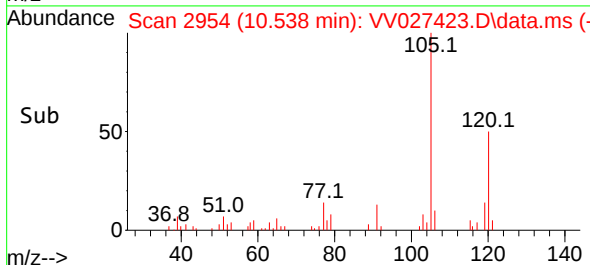
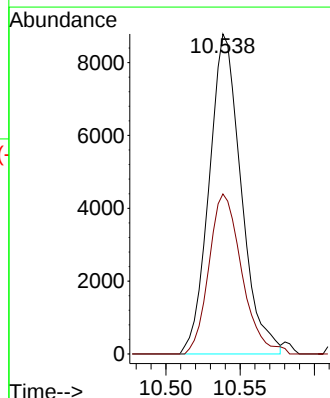
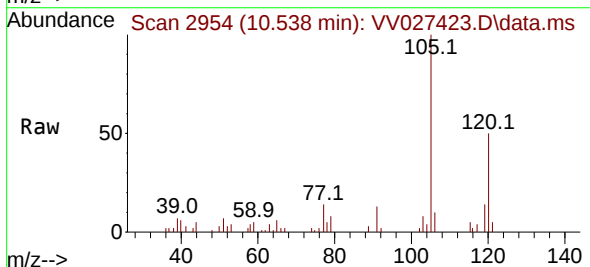
RT: 10.538 min Scan# 2954

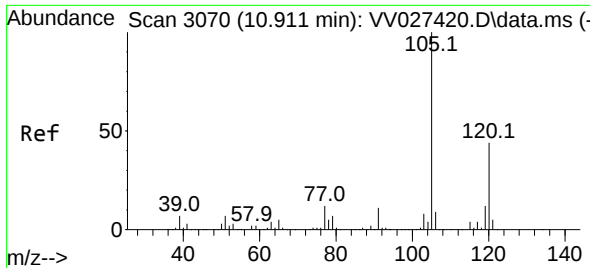
Delta R.T. -0.000 min

Lab File: VV027423.D

Acq: 17 Aug 2022 17:23

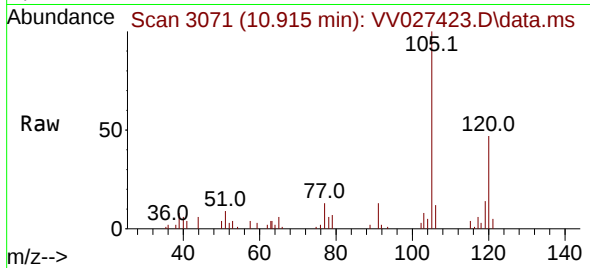
Tgt Ion:105	Resp: 13166
Ion Ratio	Lower Upper
105 100	
120 50.7	39.3 58.9





#63
1,2,4-Trimethylbenzene
Concen: 1.829 ug/L
RT: 10.915 min Scan# 3070
Delta R.T. 0.003 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

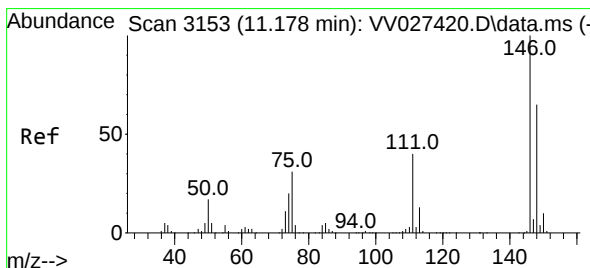
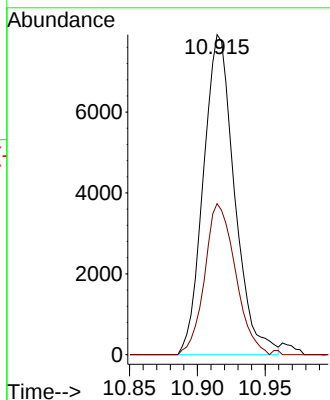
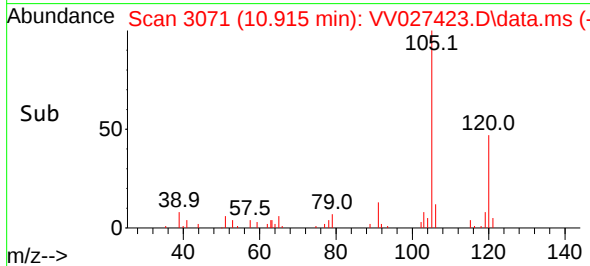
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2022-05



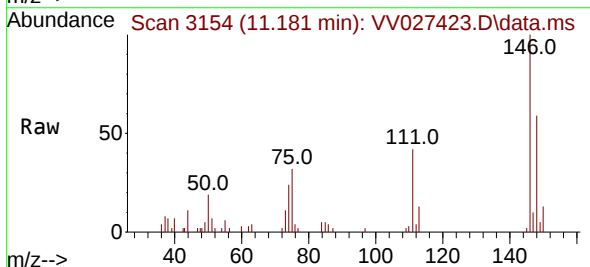
Tgt Ion:105 Resp: 1264
Ion Ratio Lower Upper
105 100
120 46.6 37.0 55.6

Manual Integrations
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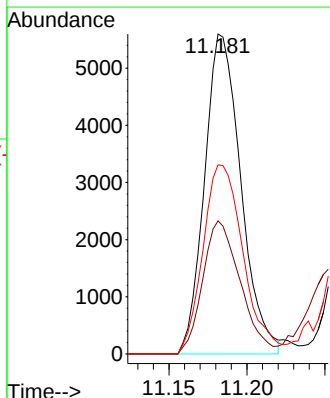
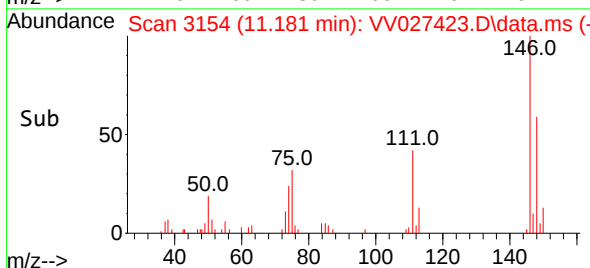
Reviewed By :Mahesh Dadoda 08/30/2022
Supervised By :Semsettin Yesilyurt 08/30/2022

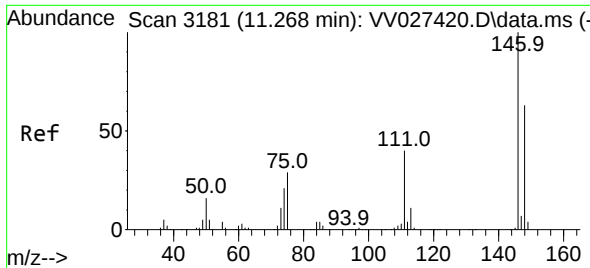


#64
1,3-Dichlorobenzene
Concen: 2.191 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.003 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23



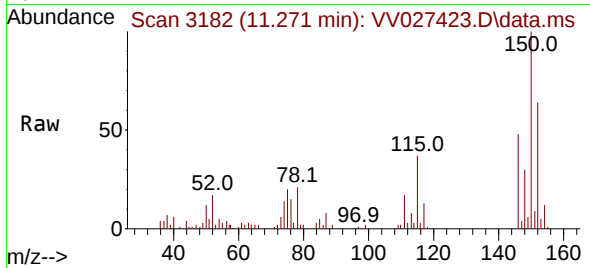
Tgt Ion:146 Resp: 9072
Ion Ratio Lower Upper
146 100
111 41.6 28.4 52.8
148 59.1 44.7 82.9





#65
1,4-Dichlorobenzene
Concen: 2.379 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

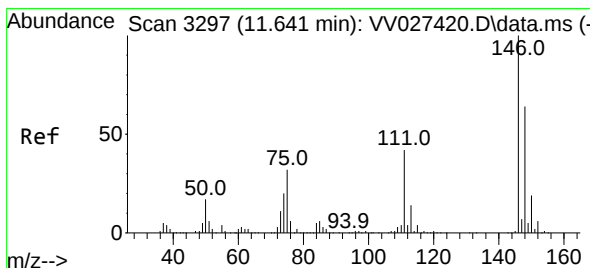
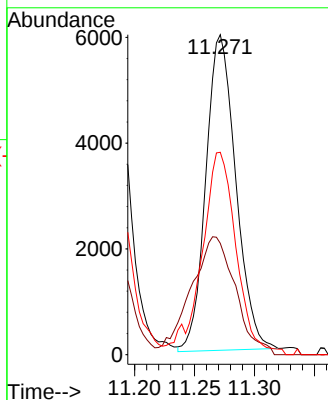
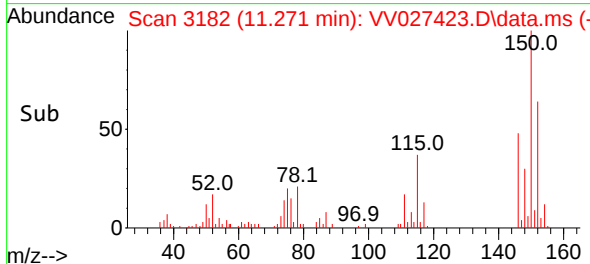
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT3-2022-05



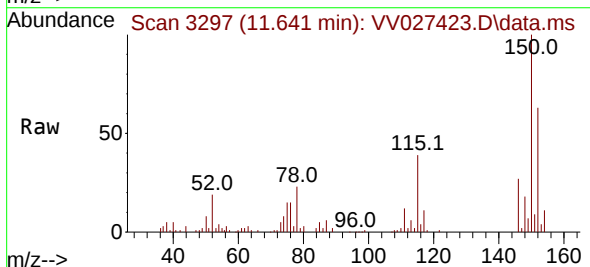
Tgt Ion:146 Resp: 10368
Ion Ratio Lower Upper
146 100
111 34.8 27.4 51.0
148 63.2 44.6 82.8

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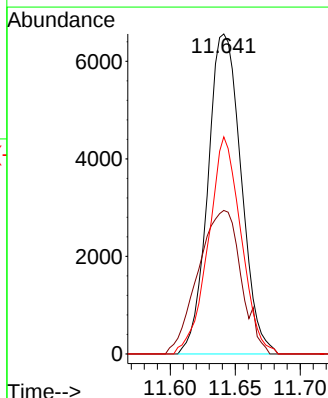
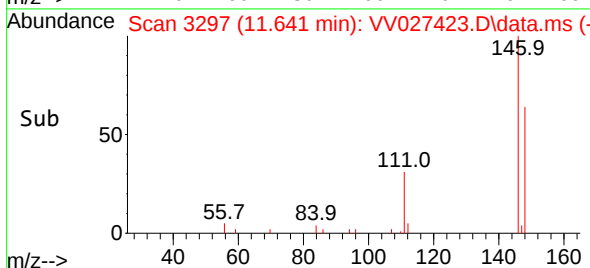
Reviewed By :Mahesh Dadoda 08/30/2022
Supervised By :Semsettin Yesilyurt 08/30/2022

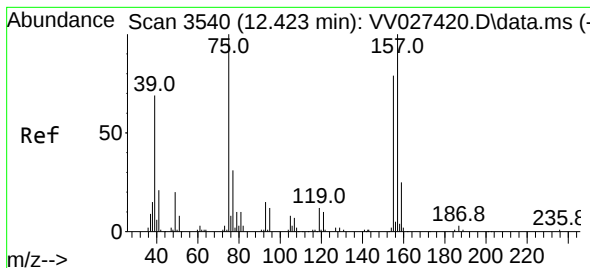


#67
1,2-Dichlorobenzene
Concen: 2.694 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. -0.000 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23



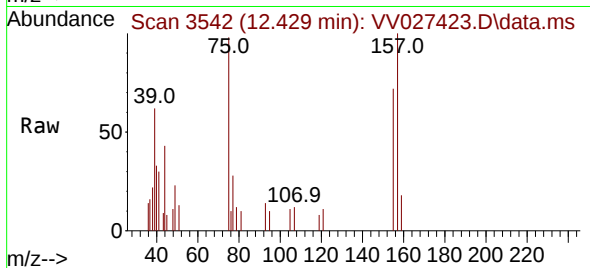
Tgt Ion:146 Resp: 11688
Ion Ratio Lower Upper
146 100
111 44.9 34.0 51.0
148 67.9 50.5 75.7





#68
1,2-Dibromo-3-chloropropane
Concen: 2.469 ug/L
RT: 12.429 min Scan# 3540
Delta R.T. 0.006 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

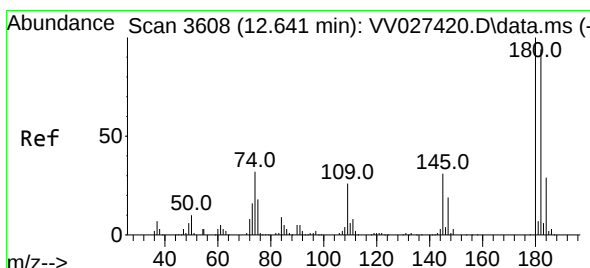
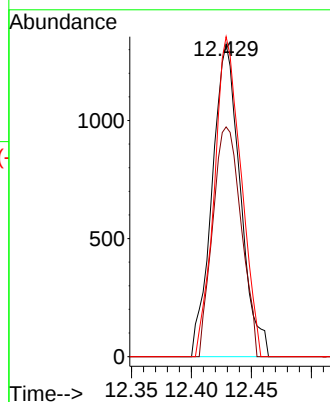
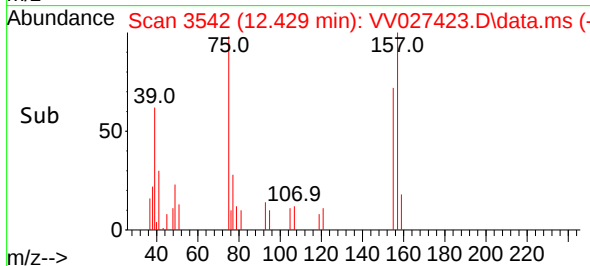
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT3-2022-05



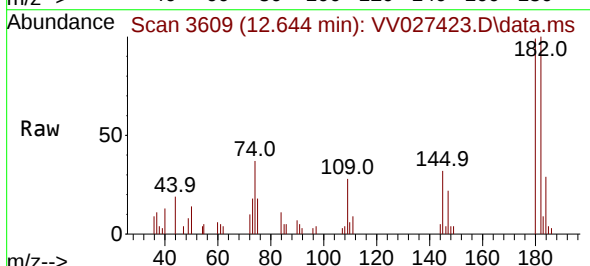
Tgt Ion: 75 Resp: 2150
Ion Ratio Lower Upper
75 100
155 73.5 69.1 103.7
157 102.3 87.8 131.8

Manual Integrations
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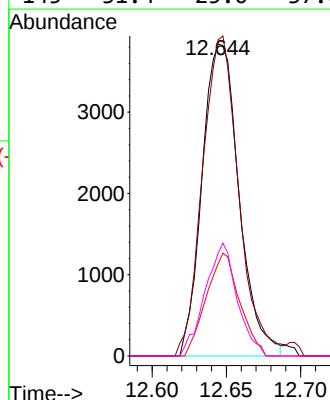
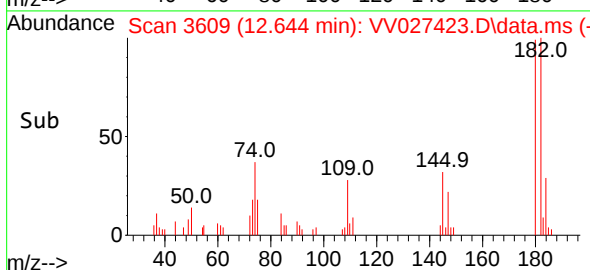
Reviewed By :Mahesh Dadoda 08/30/2022
Supervised By :Semsettin Yesilyurt 08/30/2022

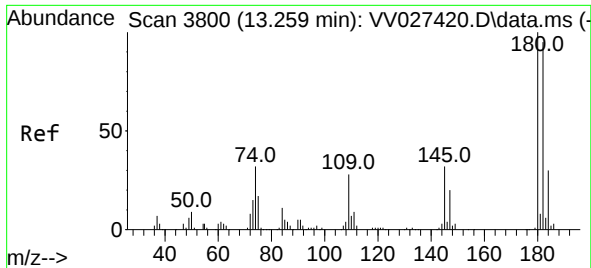


#69
1,3,5-Trichlorobenzene
Concen: 2.389 ug/L
RT: 12.644 min Scan# 3609
Delta R.T. 0.003 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23



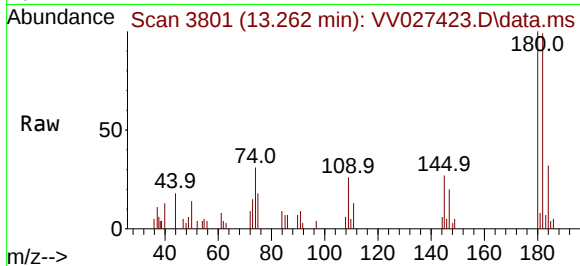
Tgt Ion:180 Resp: 6644
Ion Ratio Lower Upper
180 100
182 100.3 76.2 114.4
184 29.6 24.8 37.2
145 31.4 25.0 37.6





#70
1,2,4-trichlorobenzene
Concen: 2.303 ug/L
RT: 13.262 min Scan# 3801
Delta R.T. 0.003 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23

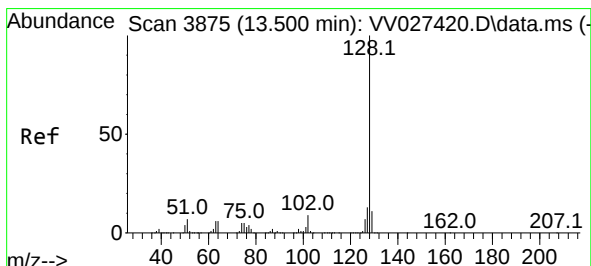
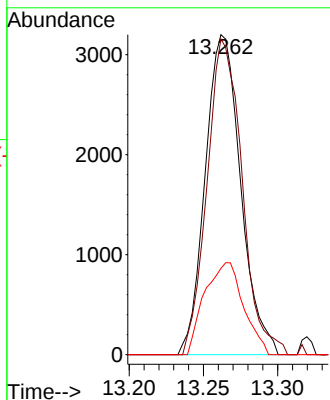
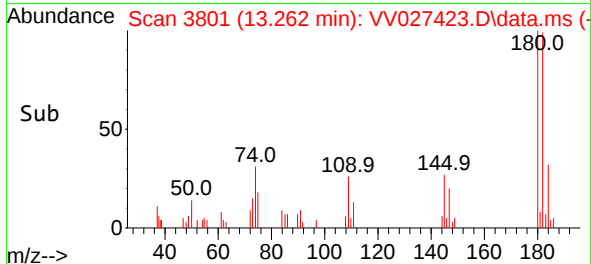
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2022-05



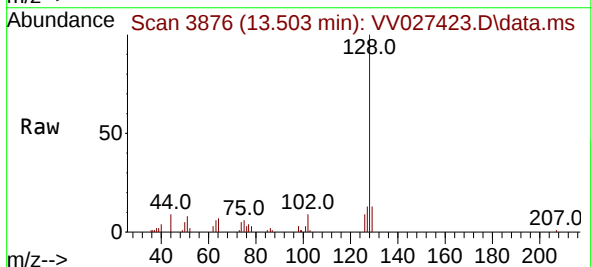
Tgt Ion:180 Resp: 532
Ion Ratio Lower Upper
180 100
182 97.2 75.9 113.9
145 31.5 24.7 37.1

Manual Integrations
APPROVED

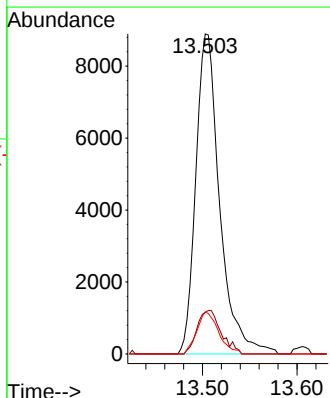
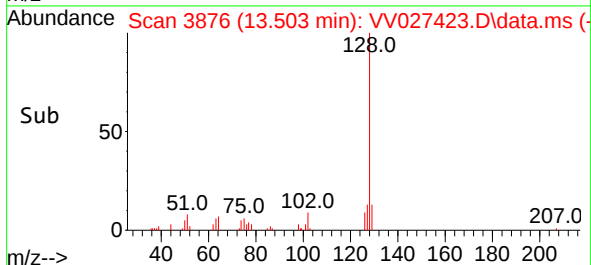
Reviewed By :Mahesh Dadoda 08/30/2022
Supervised By :Semsettin Yesilyurt 08/30/2022

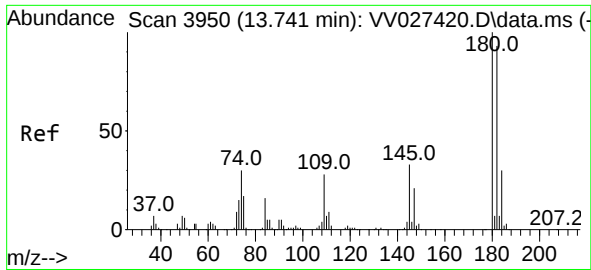


#71
Naphthalene
Concen: 1.972 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.003 min
Lab File: VV027423.D
Acq: 17 Aug 2022 17:23



Tgt Ion:128 Resp: 15597
Ion Ratio Lower Upper
128 100
127 13.7 10.3 15.5
129 11.9 8.6 13.0





#72

1,2,3-Trichlorobenzene

Concen: 2.283 ug/L

RT: 13.744 min Scan# 3950

Delta R.T. 0.003 min

Lab File: VV027423.D

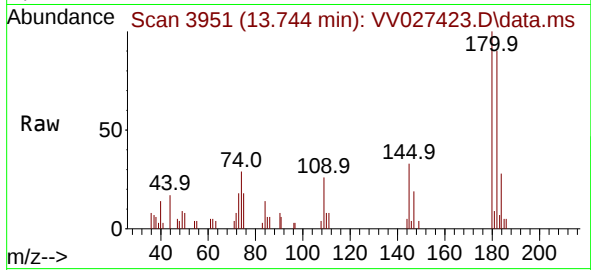
Acq: 17 Aug 2022 17:23

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2022-05



Tgt Ion:	180	Resp:	584
Ion Ratio	Lower	Upper	
180	100		
182	86.2	76.3	114.5
145	30.3	27.4	41.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/30/2022

Supervised By :Semsettin Yesilyurt 08/30/2022

