

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121423\
 Data File : VU056831.D
 Acq On : 14 Dec 2023 12:04
 Operator : MD/SY
 Sample : 04696-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2023-07

Quant Time: Dec 15 01:05:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 15 00:49:12 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2023
 Supervised By :Mahesh Dadoda 12/18/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	240561	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	246135	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	100087	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	76169	3.694	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.800%
7) Chloroethane-d5	1.911	69	70226	4.551	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.000%
11) 1,1-Dichloroethene-d2	2.563	65	36255	4.109	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.200%
20) 2-Butanone-d5	4.631	46	226482	55.617	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.240%
24) Chloroform-d	5.055	84	189318	4.848	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
26) 1,2-Dichloroethane-d4	5.695	65	95172	5.151	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.000%
32) Benzene-d6	5.721	84	347349	4.550	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
36) 1,2-Dichloropropane-d6	6.685	67	112670	4.715	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.894	98	281059	4.119	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.400%
43) trans-1,3-Dichloroprop...	8.177	79	41525	4.481	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.600%
46) 2-Hexanone-d5	8.631	63	160602	45.951	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.900%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	85899	4.968	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	98837	5.024	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	5205	0.206	ug/L	96
3) Chloromethane	1.515	50	8189	0.330	ug/L	99
5) Vinyl chloride	1.602	62	6136	0.249	ug/L #	1
6) Bromomethane	1.856	94	3634	0.250	ug/L	98
8) Chloroethane	1.933	64	3590	0.249	ug/L	91
9) Trichlorofluoromethane	2.136	101	8297	0.239	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	5305	0.249	ug/L #	87
12) 1,1-Dichloroethene	2.576	96	4897	0.251	ug/L #	1
14) Carbon disulfide	2.788	76	14312	0.211	ug/L	98
15) Methyl Acetate	2.975	43	1421m	0.210	ug/L	
17) Methyl tert-butyl Ether	3.358	73	8829	0.204	ug/L	95
18) trans-1,2-Dichloroethene	3.348	96	3901	0.197	ug/L	98
19) 1,1-Dichloroethane	3.869	63	9064	0.238	ug/L	97
21) 2-Butanone	4.721	43	12391m	2.961	ug/L	
22) cis-1,2-Dichloroethene	4.663	96	4558	0.212	ug/L	96
23) Bromochloromethane	4.975	128	1943	0.215	ug/L #	92
27) 1,2-Dichloroethane	5.795	62	5376	0.228	ug/L #	89
29) 1,1,1-Trichloroethane	5.309	97	7832	0.220	ug/L	92
30) Cyclohexane	5.386	56	6489	0.194	ug/L	98

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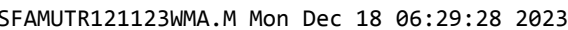
Reviewed By :Semsettin Yesilyurt 12/16/2023
 Supervised By :Mahesh Dadoda 12/18/2023

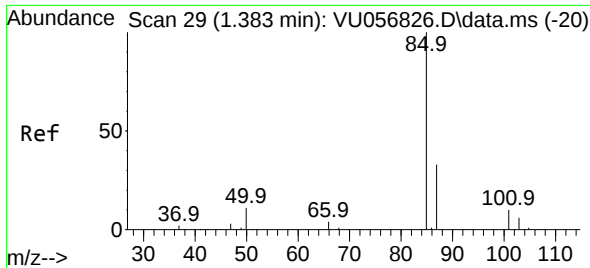
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) Carbon tetrachloride	5.521	117	6597	0.213	ug/L	97
33) Benzene	5.772	78	19872	0.230	ug/L	100
37) 1,2-Dichloropropane	6.785	63	5494	0.248	ug/L #	96
38) Bromodichloromethane	7.100	83	6277	0.222	ug/L	94
39) cis-1,3-Dichloropropene	7.608	75	6401	0.198	ug/L	94
40) 4-Methyl-2-pentanone	7.791	43	22098	2.103	ug/L #	89
42) Toluene	7.968	91	21292	0.238	ug/L	95
44) trans-1,3-Dichloropropene	8.206	75	5424	0.205	ug/L	93
45) 1,1,2-Trichloroethane	8.399	97	3120	0.209	ug/L	91
47) Tetrachloroethene	8.550	164	3272	0.197	ug/L	89
48) 2-Hexanone	8.685	43	21122	2.822	ug/L	94
49) Dibromochloromethane	8.804	129	3801	0.221	ug/L	99
50) 1,2-Dibromoethane	8.920	107	2746	0.198	ug/L #	95
51) Chlorobenzene	9.447	112	12435	0.218	ug/L	98
52) Ethylbenzene	9.570	91	17802	0.180	ug/L	88
53) m,p-Xylene	9.692	106	7330	0.199	ug/L	76
54) o-Xylene	10.103	106	6959	0.199	ug/L	84
57) 1,1,2,2-Tetrachloroethane	10.775	83	3987	0.221	ug/L #	92
59) Bromoform	10.290	173	2088	0.256	ug/L #	82
60) Isopropylbenzene	10.483	105	14406	0.182	ug/L	95
61) 1,2,3-Trichloropropane	10.820	75	2624	0.244	ug/L #	79
62) 1,3,5-Trimethylbenzene	11.087	105	10912	0.169	ug/L	96
63) 1,2,4-Trimethylbenzene	11.467	105	10396	0.162	ug/L	92
64) 1,3-Dichlorobenzene	11.743	146	8591	0.230	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	9699	0.263	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	11827	0.347	ug/L	92
69) 1,3,5-Trichlorobenzene	13.219	180	5193	0.184	ug/L	95

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

Manual Integrations

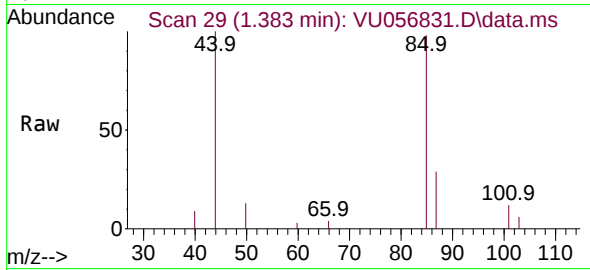
Quant Time: Dec 15 01:05:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Dec 15 00:49:12 2023
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#2
Dichlorodifluoromethane
Concen: 0.206 ug/L
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

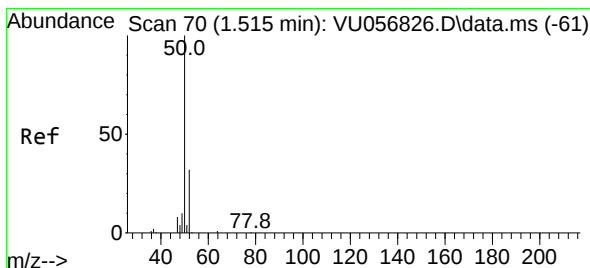
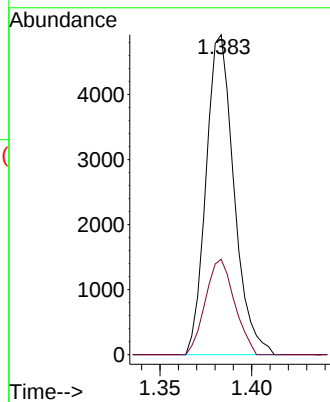
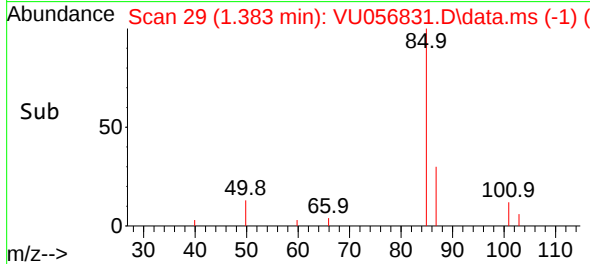
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion: 85 Resp: 520
Ion Ratio Lower Upper
85 100
87 31.0 26.8 40.2

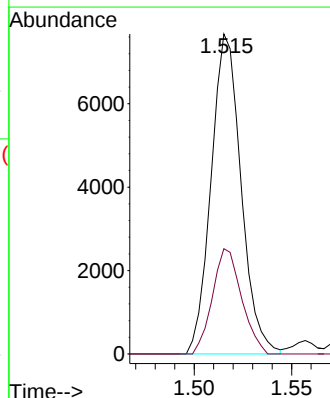
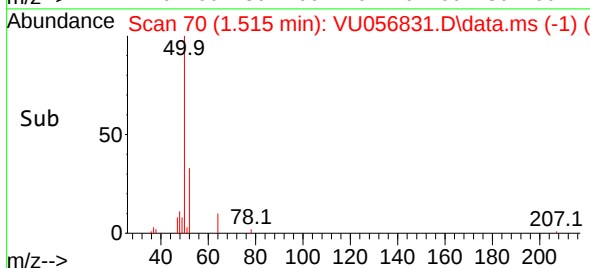
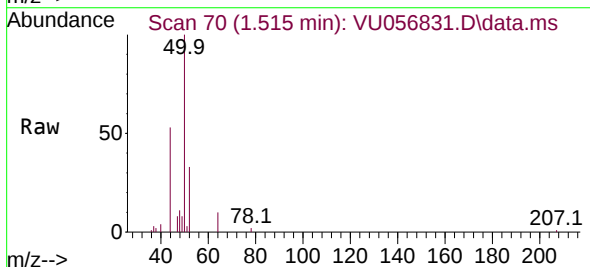
Manual Integrations
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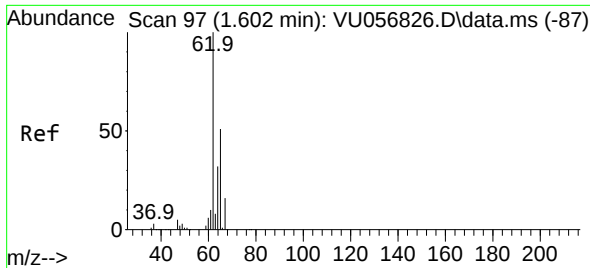
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023



#3
Chloromethane
Concen: 0.330 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

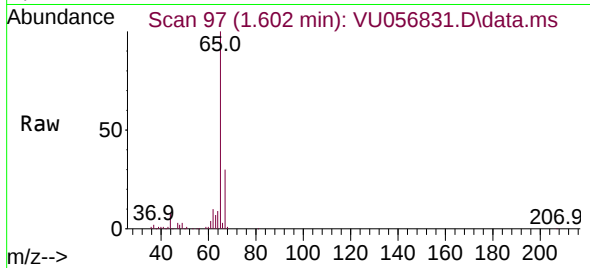
Tgt Ion: 50 Resp: 8189
Ion Ratio Lower Upper
50 100
52 32.9 22.5 41.7





#5
 Vinyl chloride
 Concen: 0.249 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU056831.D
 Acq: 14 Dec 2023 12:04

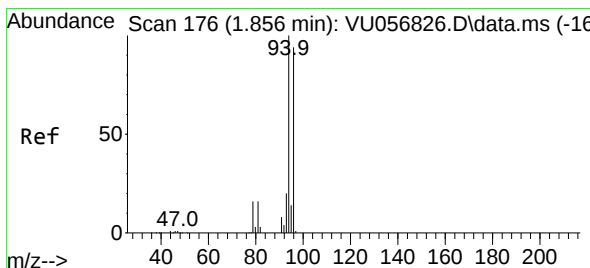
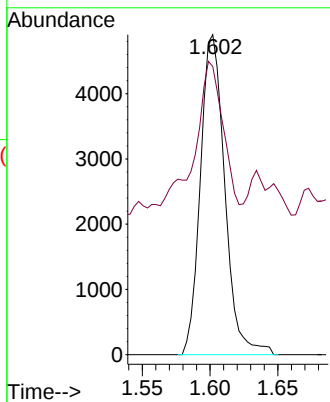
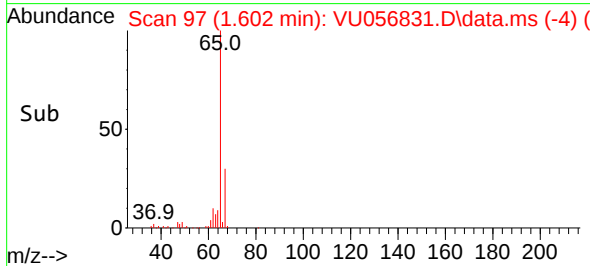
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2023-07



Tgt Ion: 62 Resp: 6130
 Ion Ratio Lower Upper
 62 100
 64 90.0 22.8 42.4

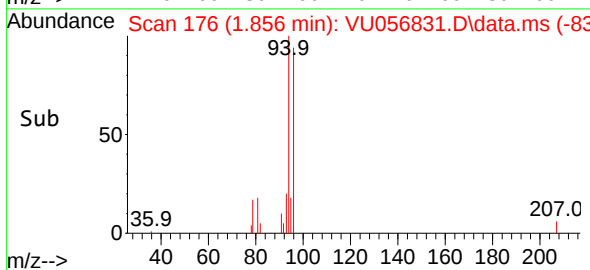
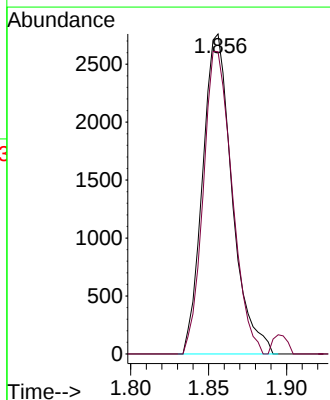
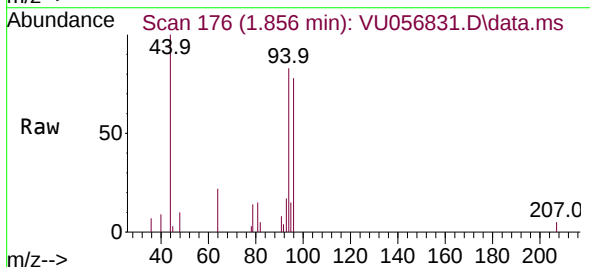
Manual Integrations
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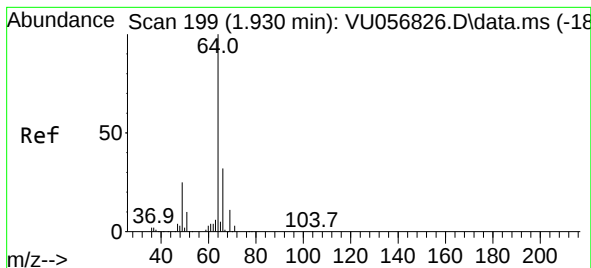
Reviewed By :Semsettin Yesilyurt 12/16/2023
 Supervised By :Mahesh Dadoda 12/18/2023



#6
 Bromomethane
 Concen: 0.250 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VU056831.D
 Acq: 14 Dec 2023 12:04

Tgt Ion: 94 Resp: 3634
 Ion Ratio Lower Upper
 94 100
 96 94.5 67.8 125.8





#8

Chloroethane

Concen: 0.249 ug/L

RT: 1.933 min Scan# 200

Delta R.T. 0.003 min

Lab File: VU056831.D

Acq: 14 Dec 2023 12:04

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2023-07

Tgt Ion: 64 Resp: 3590

Ion Ratio Lower Upper

64 100

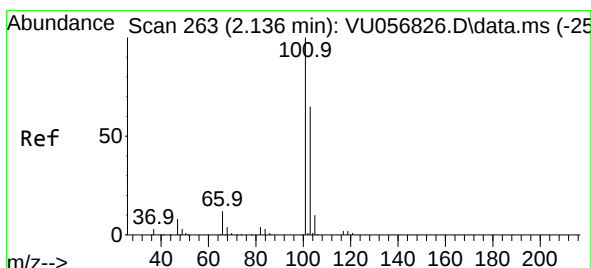
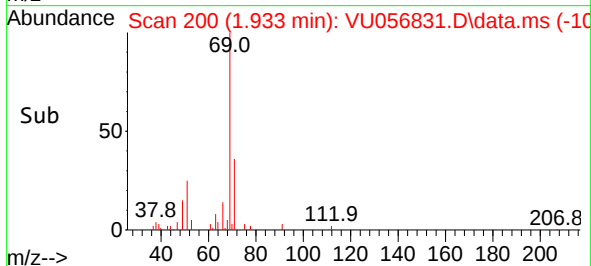
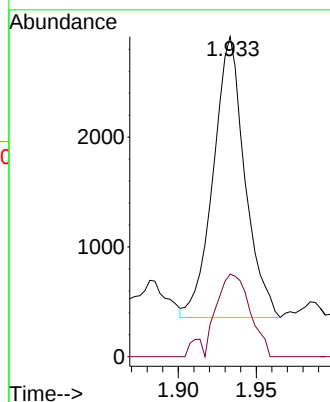
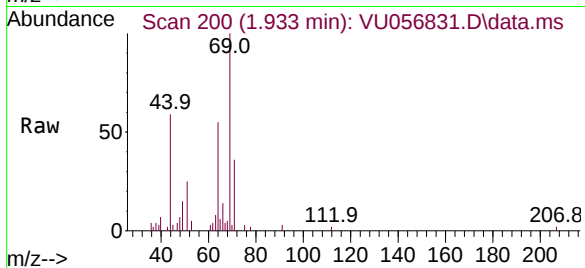
66 25.8 21.4 39.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/16/2023

Supervised By :Mahesh Dadoda 12/18/2023



#9

Trichlorofluoromethane

Concen: 0.239 ug/L

RT: 2.136 min Scan# 263

Delta R.T. 0.000 min

Lab File: VU056831.D

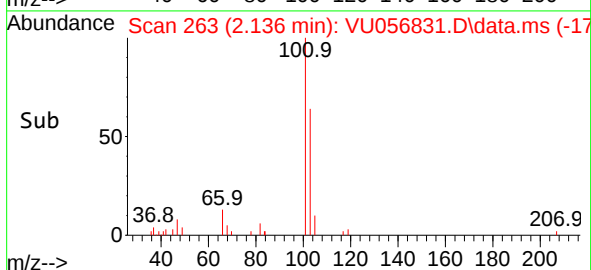
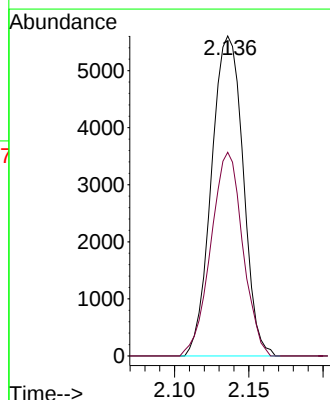
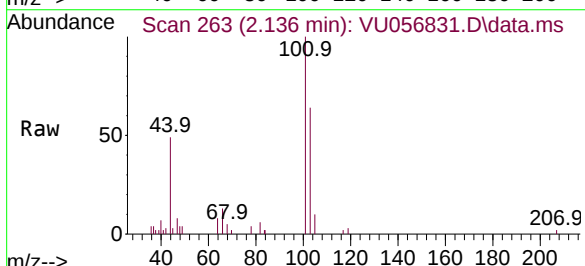
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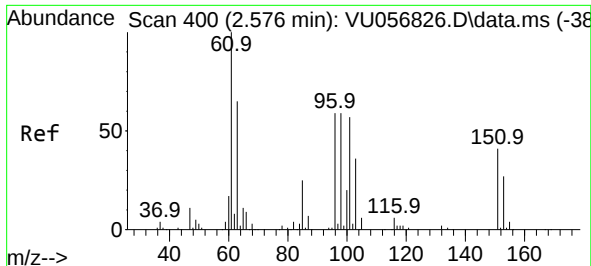
Tgt Ion:101 Resp: 8297

Ion Ratio Lower Upper

101 100

103 64.2 51.4 77.2





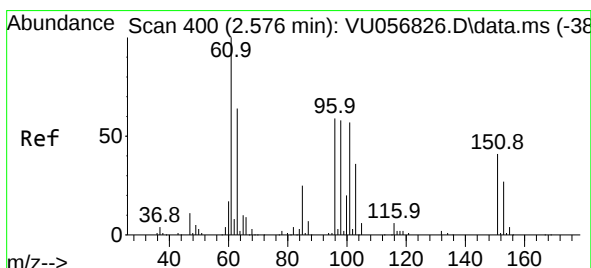
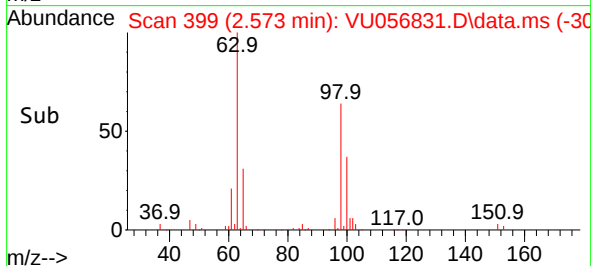
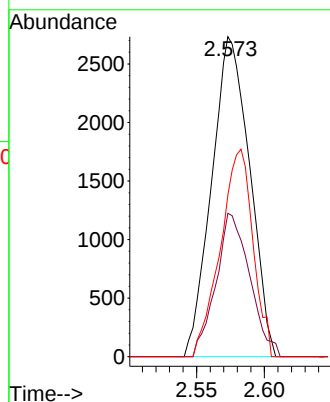
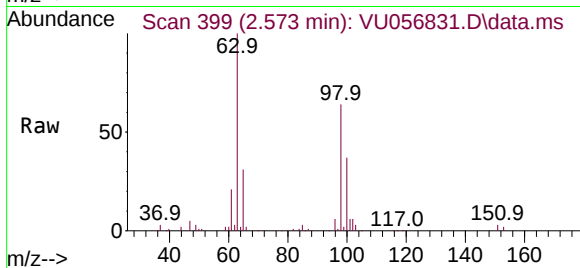
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.249 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

Instrument :
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ClientSampleId :
MDL-WATER-QT4-2023-07

Tgt Ion:101 Resp: 530
Ion Ratio Lower Upper
101 100
85 40.0 35.2 52.8
151 55.9 56.0 84.0

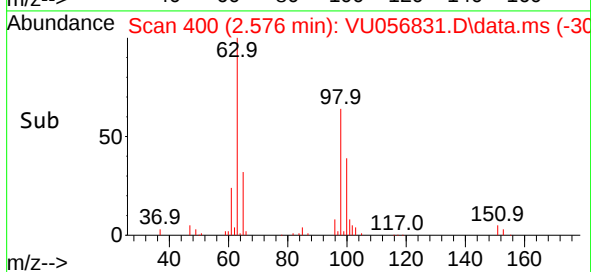
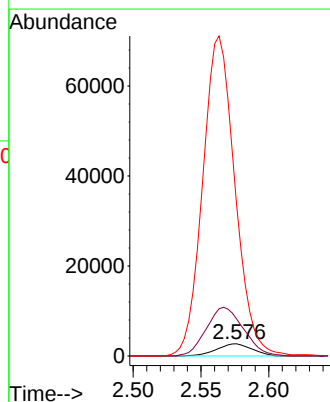
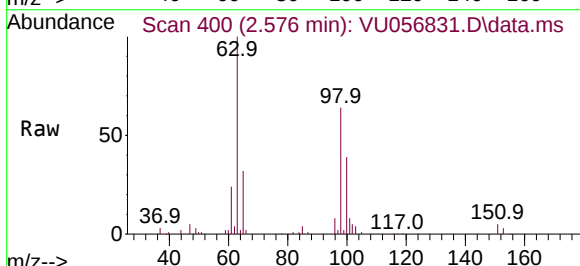
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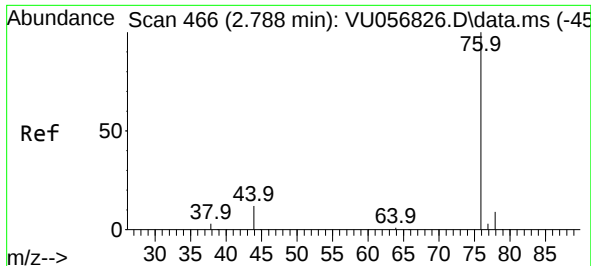
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023



#12
1,1-Dichloroethene
Concen: 0.251 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

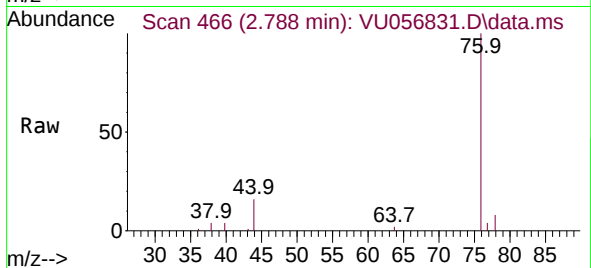
Tgt Ion: 96 Resp: 4897
Ion Ratio Lower Upper
96 100
61 306.8 119.0 221.0#
63 1257.2 88.7 164.7#





#14
Carbon disulfide
Concen: 0.211 ug/L
RT: 2.788 min Scan# 466
Delta R.T. 0.000 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

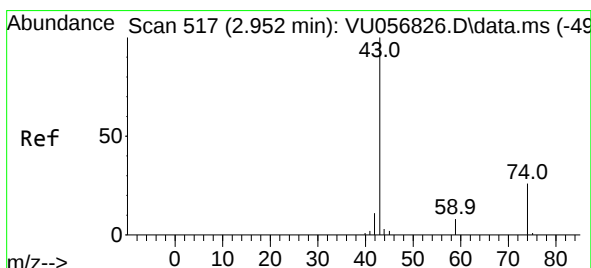
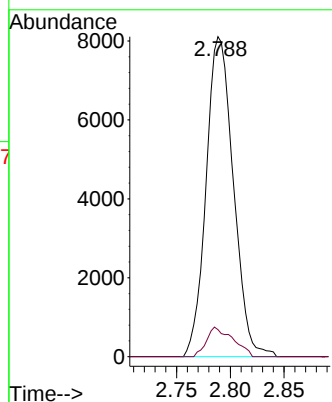
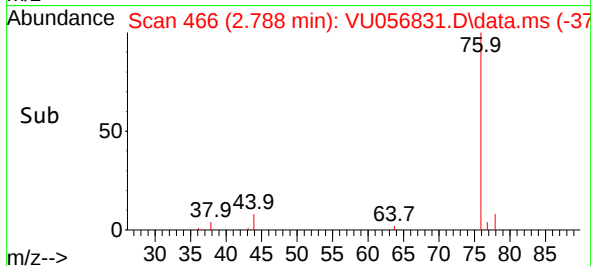
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion: 76 Resp: 1431
Ion Ratio Lower Upper
76 100
78 8.5 7.3 10.9

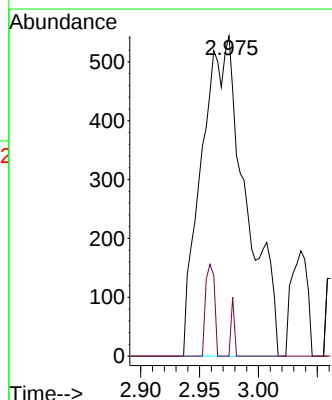
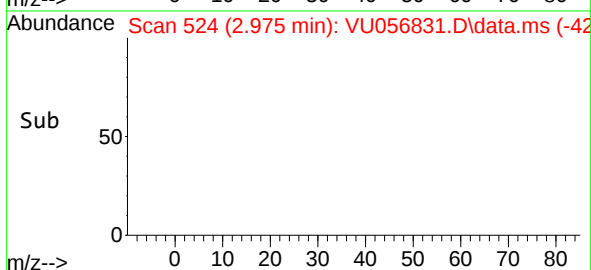
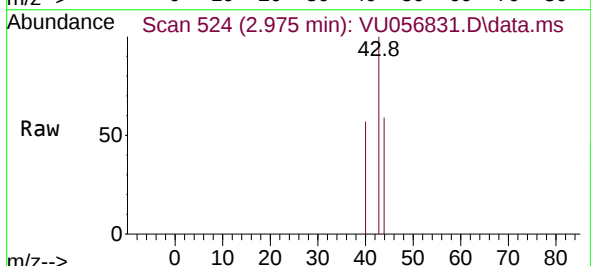
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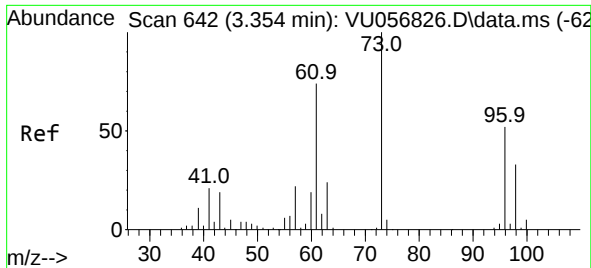
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023



#15
Methyl Acetate
Concen: 0.210 ug/L m
RT: 2.975 min Scan# 524
Delta R.T. 0.023 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

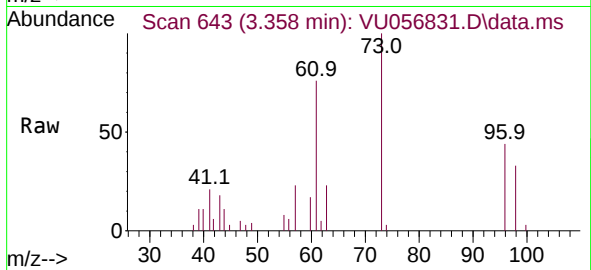
Tgt Ion: 43 Resp: 1421
Ion Ratio Lower Upper
43 100
74 5.8 21.0 31.6#





#17
Methyl tert-butyl Ether
Concen: 0.204 ug/L
RT: 3.358 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

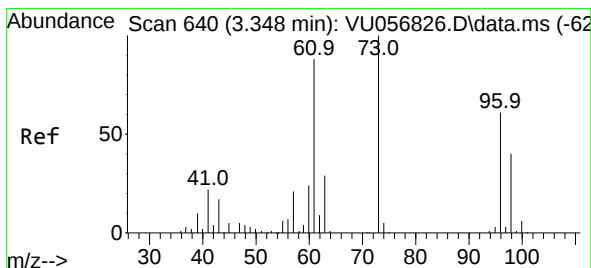
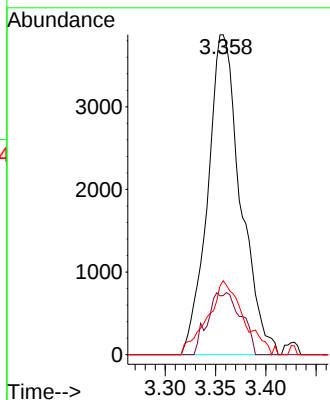
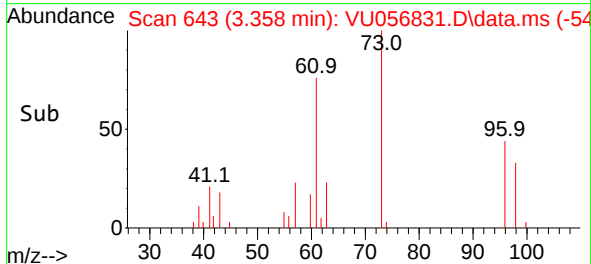
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion: 73 Resp: 8829
Ion Ratio Lower Upper
73 100
43 19.7 14.4 21.6
57 25.3 17.8 26.8

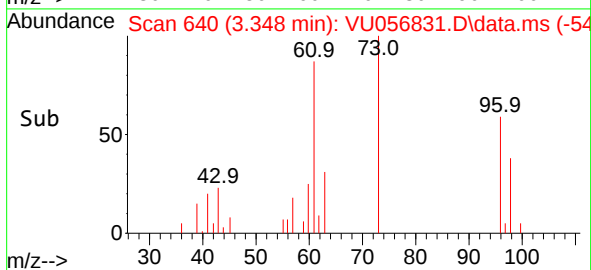
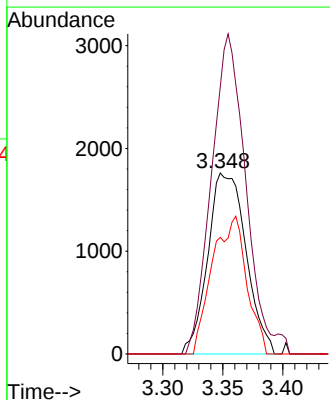
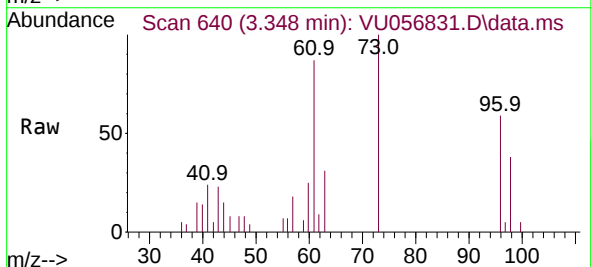
Manual Integrations
APPROVED

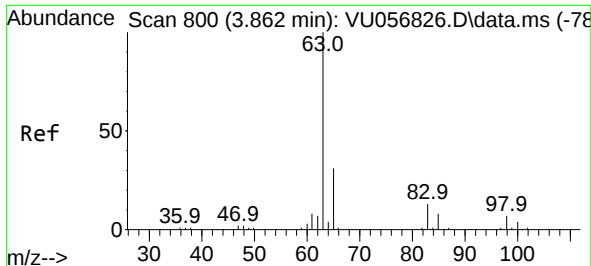
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023



#18
trans-1,2-Dichloroethene
Concen: 0.197 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

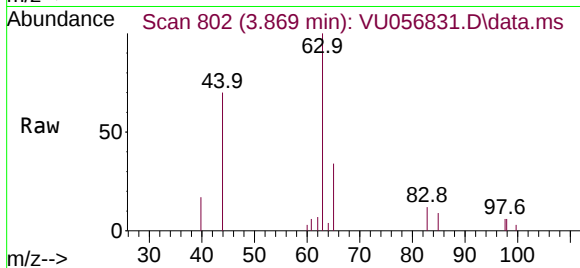
Tgt Ion: 96 Resp: 3901
Ion Ratio Lower Upper
96 100
61 147.7 101.8 189.0
98 64.5 43.0 79.8





#19
1,1-Dichloroethane
Concen: 0.238 ug/L
RT: 3.869 min Scan# 800
Delta R.T. 0.006 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

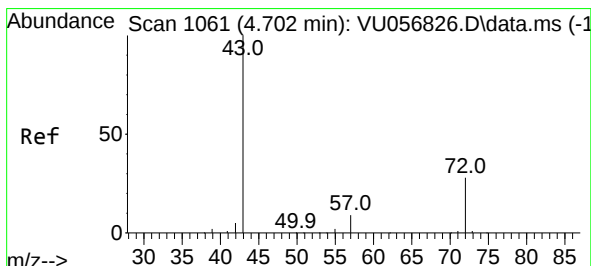
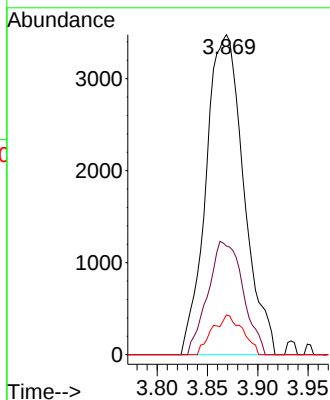
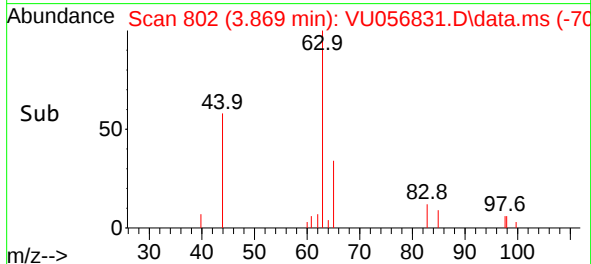
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion: 63 Resp: 9064
Ion Ratio Lower Upper
63 100
65 34.0 22.9 42.5
83 12.4 10.1 18.9

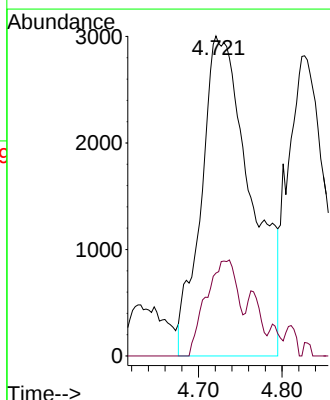
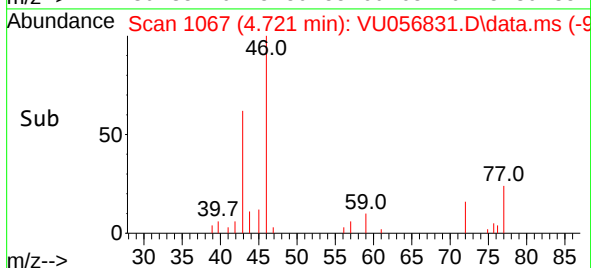
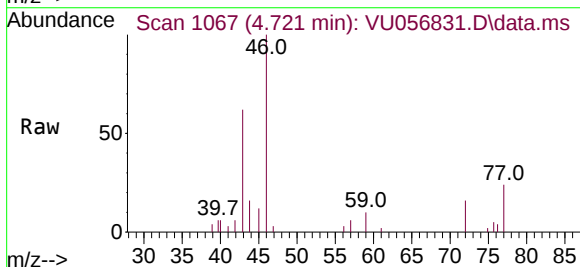
Manual Integrations
APPROVED

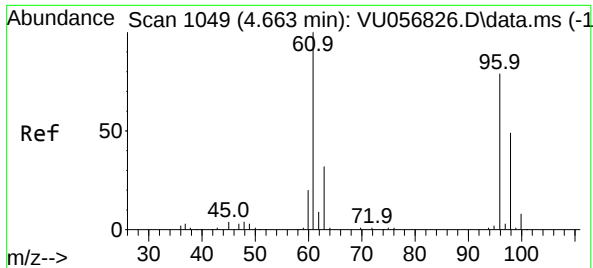
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023



#21
2-Butanone
Concen: 2.961 ug/L m
RT: 4.721 min Scan# 1067
Delta R.T. 0.019 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

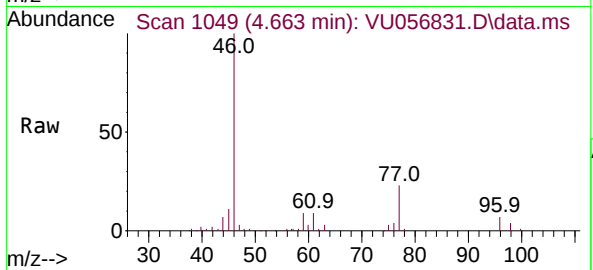
Tgt Ion: 43 Resp: 12391
Ion Ratio Lower Upper
43 100
72 19.0 14.6 43.8





#22
 cis-1,2-Dichloroethene
 Concen: 0.212 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU056831.D
 Acq: 14 Dec 2023 12:04

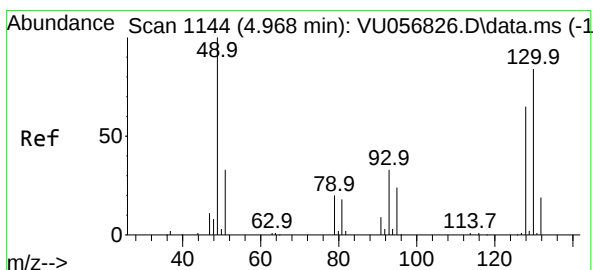
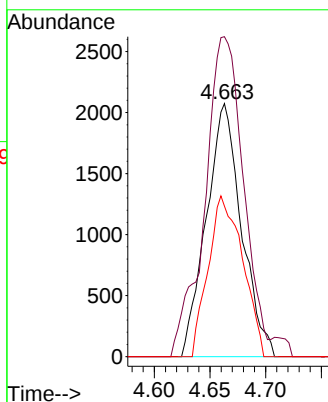
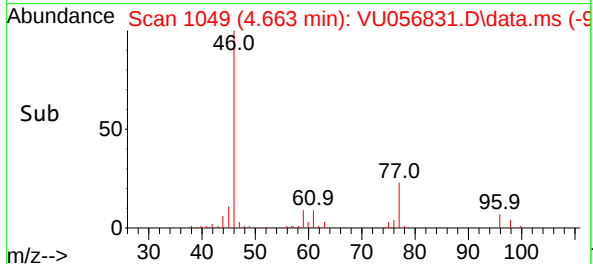
Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-QT4-2023-07



Tgt Ion: 96 Resp: 4558
 Ion Ratio Lower Upper
 96 100
 61 126.4 91.3 169.6
 98 59.5 44.2 82.0

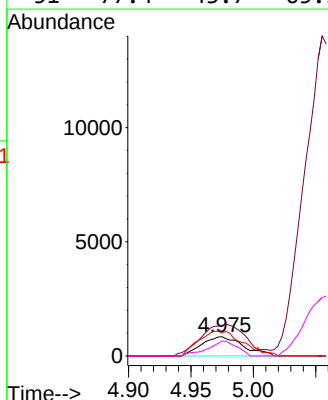
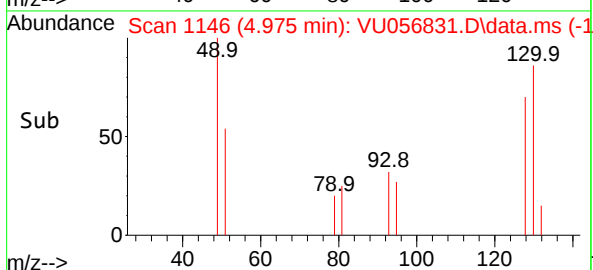
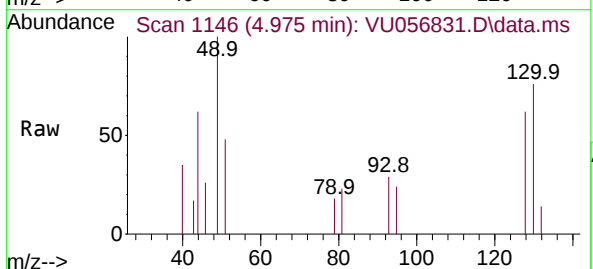
Manual Integrations
 APPROVED

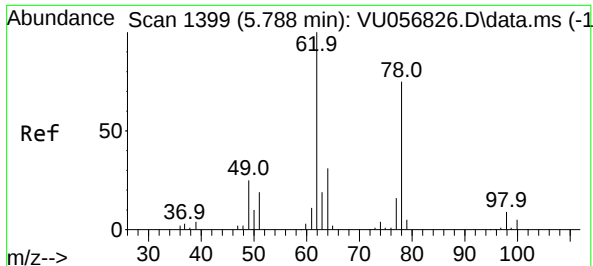
Reviewed By :Semsettin Yesilyurt 12/16/2023
 Supervised By :Mahesh Dadoda 12/18/2023



#23
 Bromochloromethane
 Concen: 0.215 ug/L
 RT: 4.975 min Scan# 1146
 Delta R.T. 0.006 min
 Lab File: VU056831.D
 Acq: 14 Dec 2023 12:04

Tgt Ion:128 Resp: 1943
 Ion Ratio Lower Upper
 128 100
 49 160.7 113.8 211.3
 130 122.4 90.6 168.3
 51 77.4 43.7 65.5#





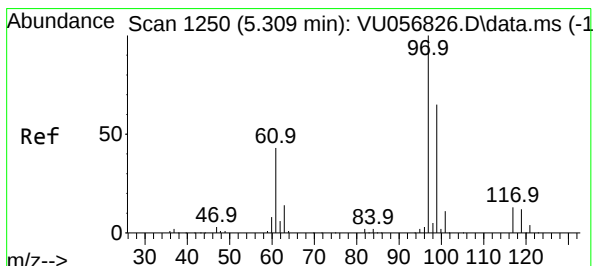
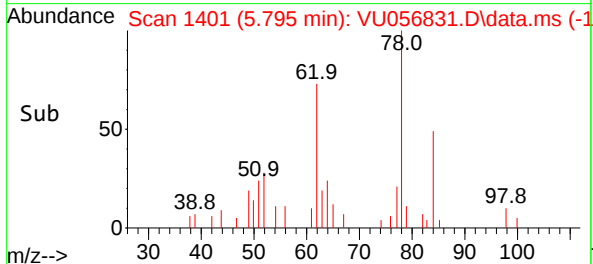
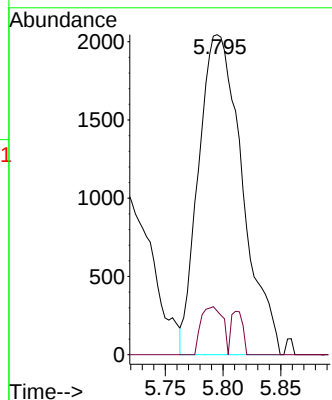
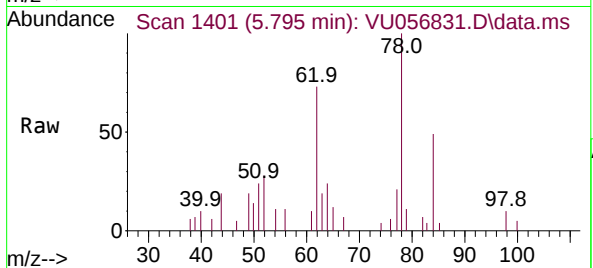
#27
1,2-Dichloroethane
Concen: 0.228 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.006 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-07

Tgt Ion: 62 Resp: 5370
Ion Ratio Lower Upper
62 100
98 13.7 7.8 11.6

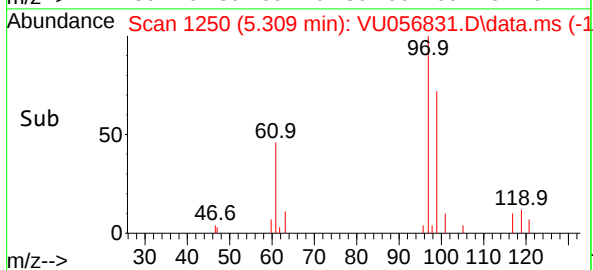
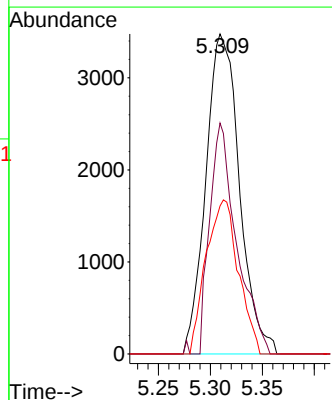
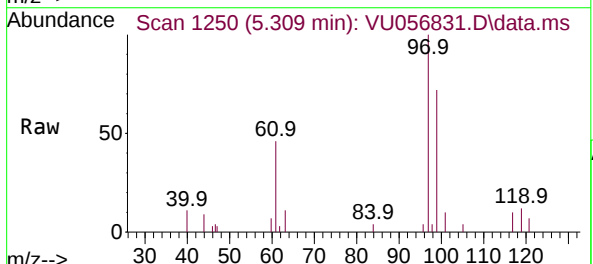
Manual Integrations
APPROVED

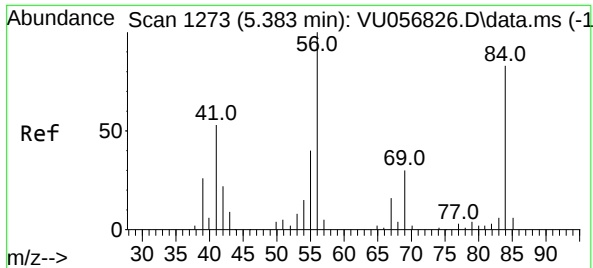
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023



#29
1,1,1-Trichloroethane
Concen: 0.220 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

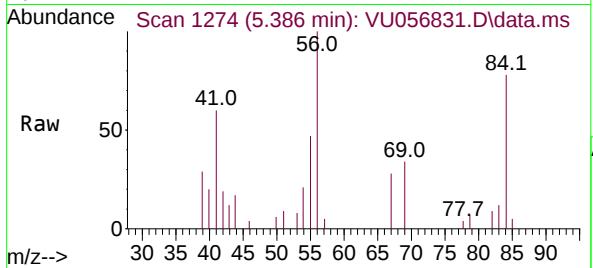
Tgt Ion: 97 Resp: 7832
Ion Ratio Lower Upper
97 100
99 57.7 52.5 78.7
61 46.3 34.2 51.2





#30
Cyclohexane
Concen: 0.194 ug/L
RT: 5.386 min Scan# 1273
Delta R.T. 0.003 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

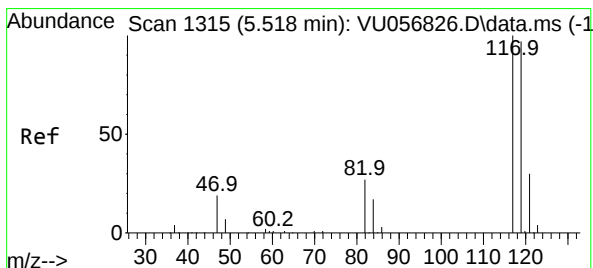
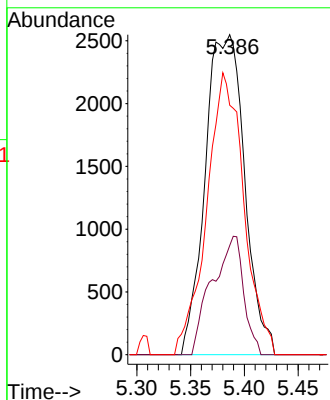
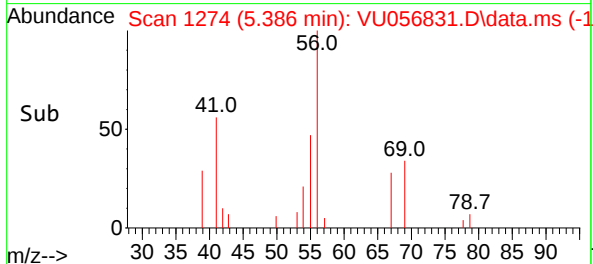
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion: 56 Resp: 6489
Ion Ratio Lower Upper
56 100
69 29.6 24.9 37.3
84 82.8 67.6 101.4

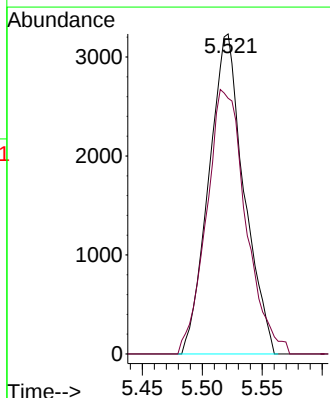
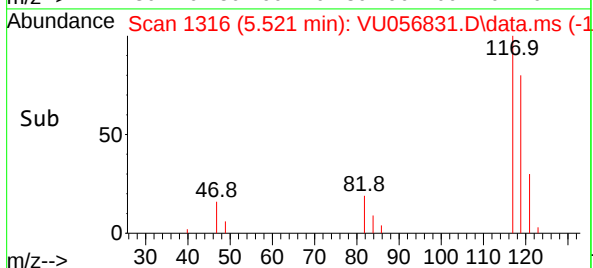
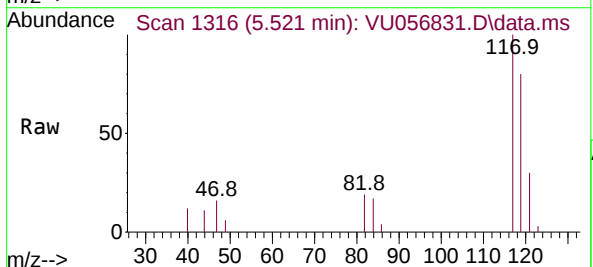
Manual Integrations
APPROVED

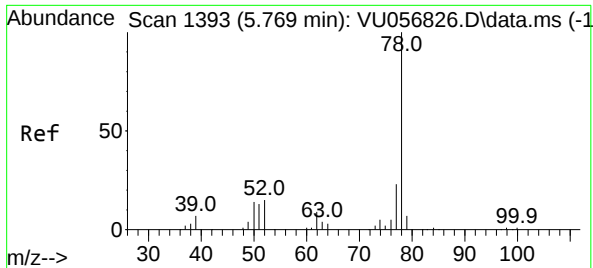
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023



#31
Carbon tetrachloride
Concen: 0.213 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. 0.003 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

Tgt Ion:117 Resp: 6597
Ion Ratio Lower Upper
117 100
119 92.1 76.2 114.4





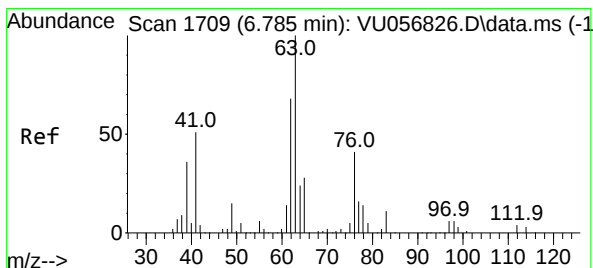
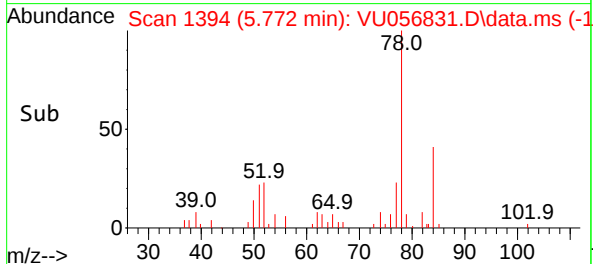
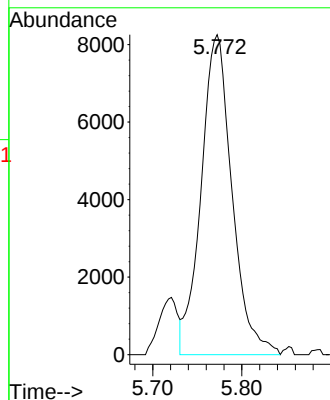
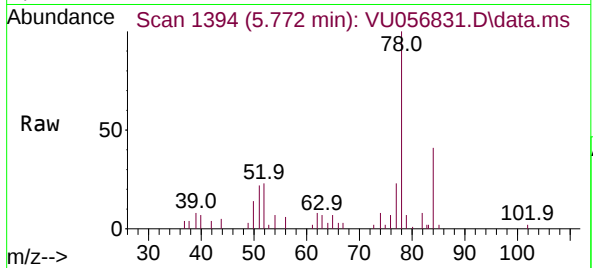
#33
Benzene
Concen: 0.230 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-07

Tgt Ion: 78 Resp: 1987

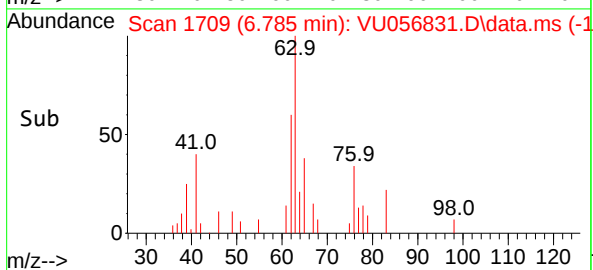
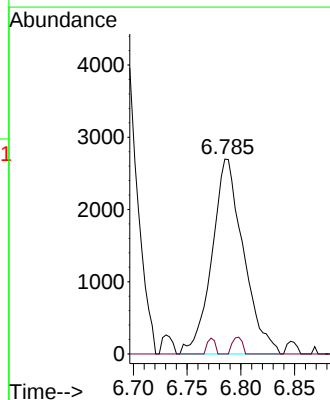
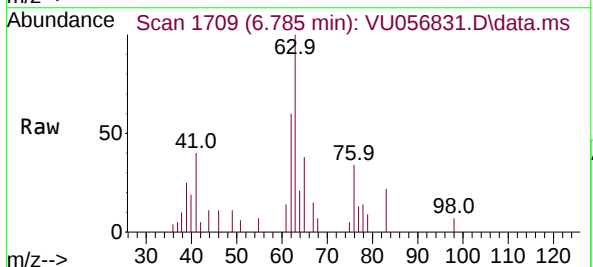
Manual Integrations
APPROVED

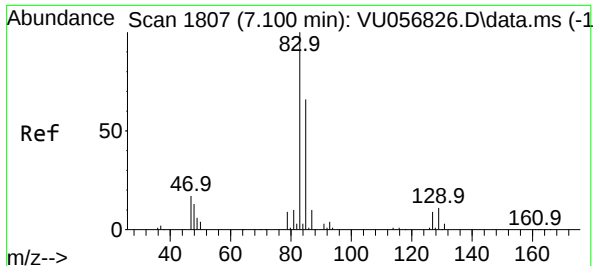
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023



#37
1,2-Dichloropropane
Concen: 0.248 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.000 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

Tgt Ion: 63 Resp: 5494
Ion Ratio Lower Upper
63 100
112 2.7 3.3 4.9#





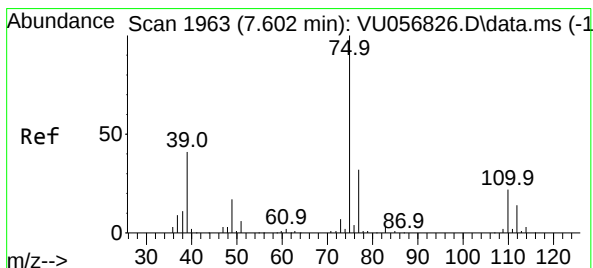
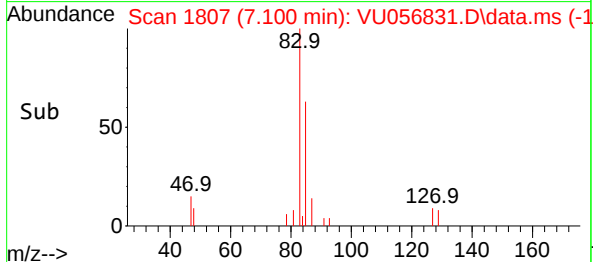
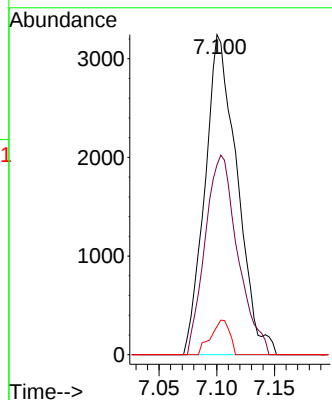
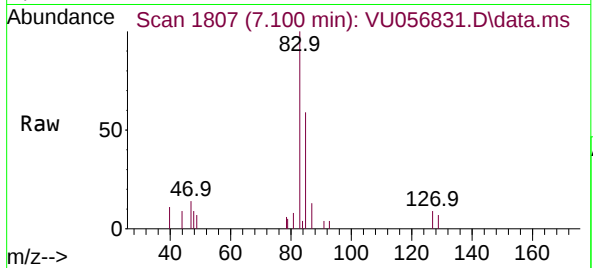
#38
Bromodichloromethane
Concen: 0.222 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-07

Tgt Ion: 83 Resp: 627
Ion Ratio Lower Upper
83 100
85 59.3 45.0 83.6
127 8.8 7.0 10.4

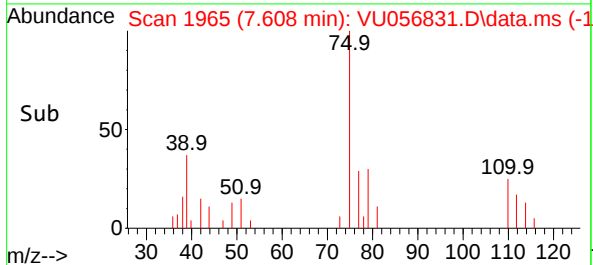
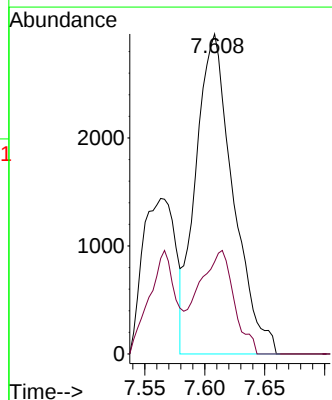
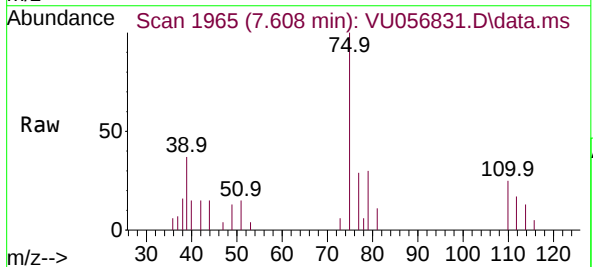
Manual Integrations
APPROVED

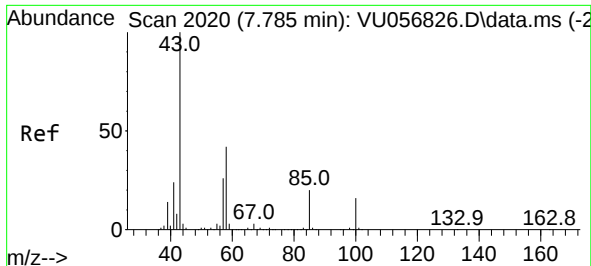
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023



#39
cis-1,3-Dichloropropene
Concen: 0.198 ug/L
RT: 7.608 min Scan# 1965
Delta R.T. 0.006 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

Tgt Ion: 75 Resp: 6401
Ion Ratio Lower Upper
75 100
77 28.8 22.3 41.5





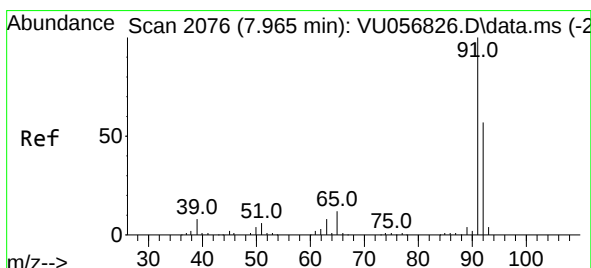
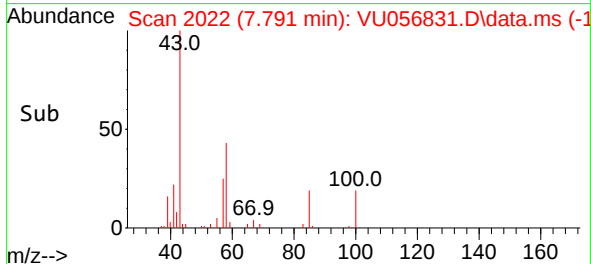
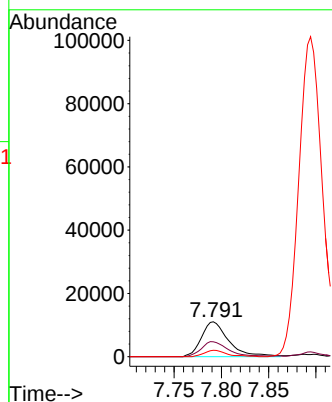
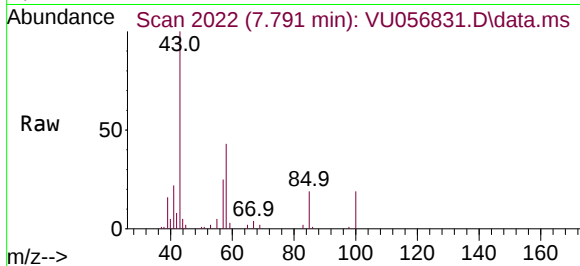
#40
4-Methyl-2-pentanone
Concen: 2.103 ug/L
RT: 7.791 min Scan# 2020
Delta R.T. 0.006 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-07

Tgt Ion: 43 Resp: 22098
Ion Ratio Lower Upper
43 100
58 42.6 33.7 50.5
100 0.0 13.0 19.4

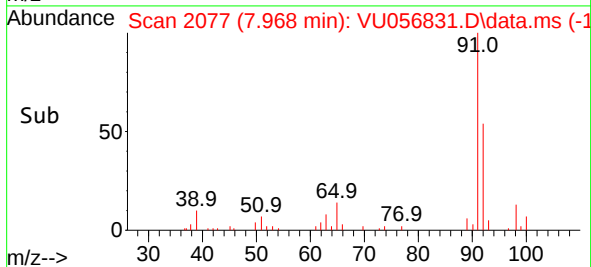
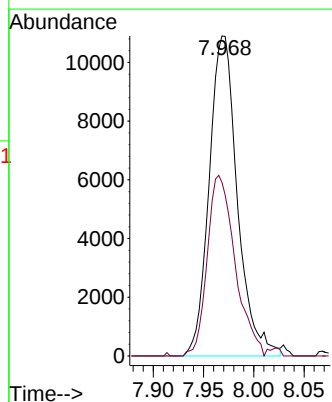
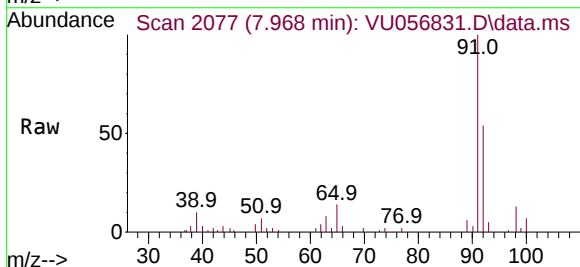
Manual Integrations
APPROVED

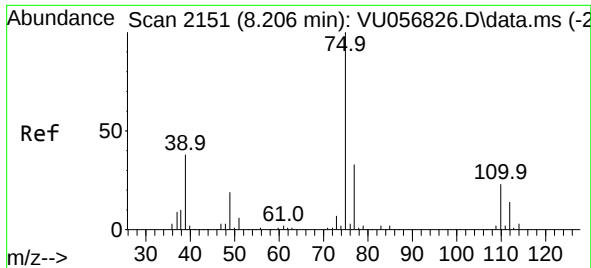
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023



#42
Toluene
Concen: 0.238 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.003 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

Tgt Ion: 91 Resp: 21292
Ion Ratio Lower Upper
91 100
92 54.3 40.4 75.0





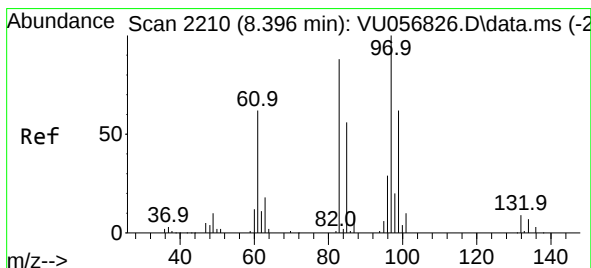
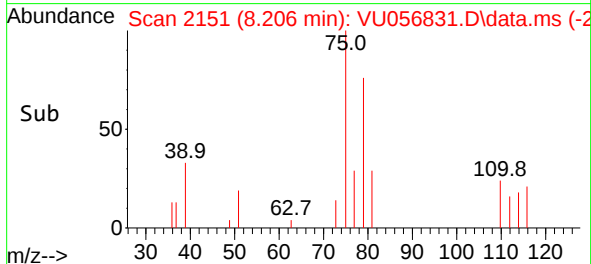
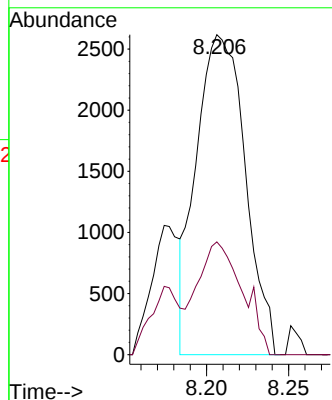
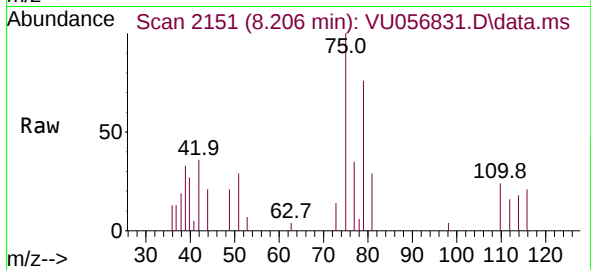
#44
trans-1,3-Dichloropropene
Concen: 0.205 ug/L
RT: 8.206 min Scan# 2151
Delta R.T. 0.000 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-07

Tgt Ion: 75 Resp: 5424
Ion Ratio Lower Upper
75 100
77 35.2 21.8 40.4

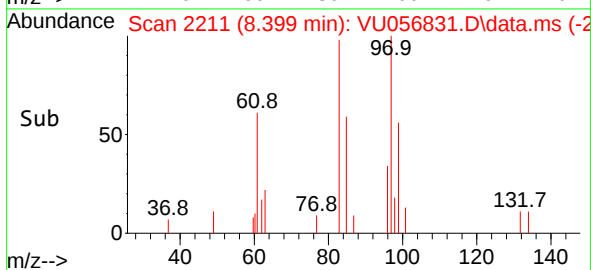
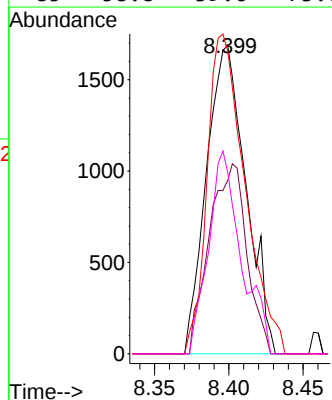
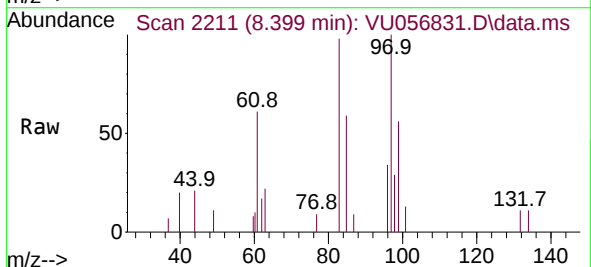
Manual Integrations
APPROVED

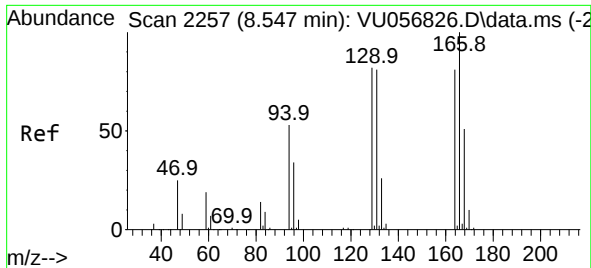
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023



#45
1,1,2-Trichloroethane
Concen: 0.209 ug/L
RT: 8.399 min Scan# 2211
Delta R.T. 0.003 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

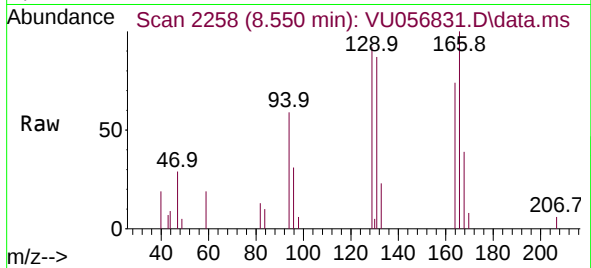
Tgt Ion: 97 Resp: 3120
Ion Ratio Lower Upper
97 100
99 56.2 41.9 77.9
83 98.1 59.1 109.7
85 58.8 39.6 73.6





#47
Tetrachloroethene
Concen: 0.197 ug/L
RT: 8.550 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

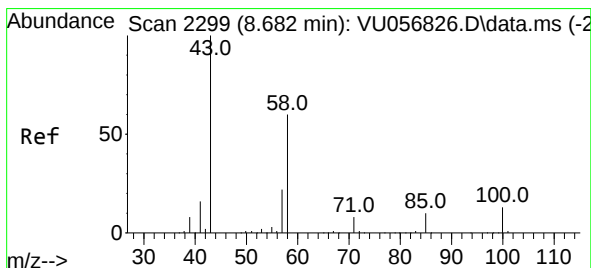
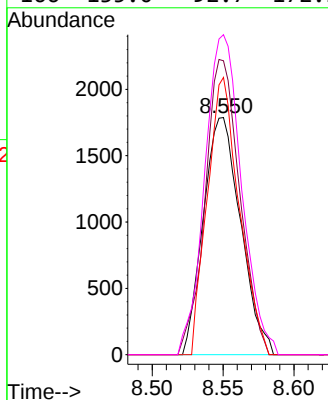
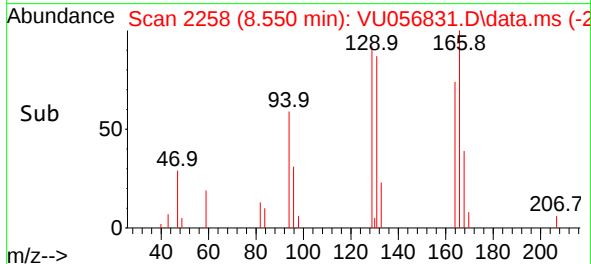
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion:164 Resp: 327
Ion Ratio Lower Upper
164 100
129 124.0 73.4 136.4
131 117.0 71.5 132.9
166 135.0 92.7 172.1

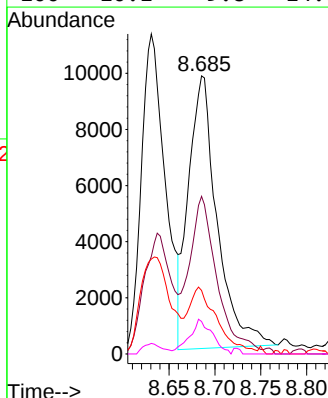
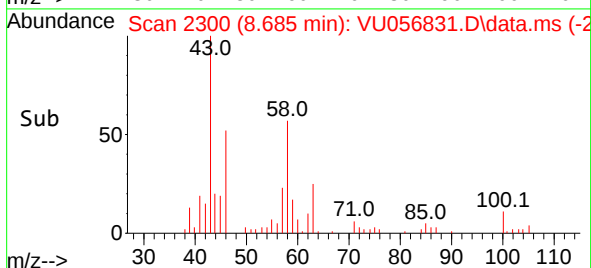
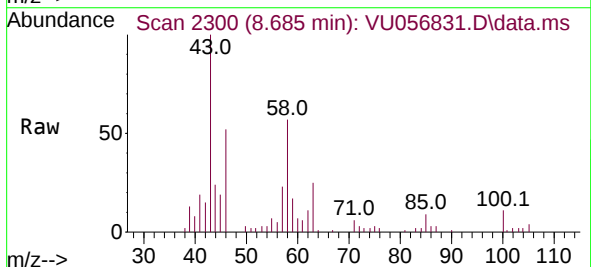
Manual Integrations
APPROVED

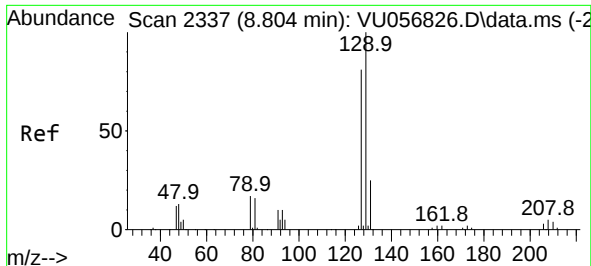
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023



#48
2-Hexanone
Concen: 2.822 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.003 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

Tgt Ion: 43 Resp: 21122
Ion Ratio Lower Upper
43 100
58 54.1 47.5 71.3
57 22.0 17.0 25.4
100 10.1 9.8 14.8





#49

Dibromochloromethane

Concen: 0.221 ug/L

RT: 8.804 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VU056831.D

Acq: 14 Dec 2023 12:04

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2023-07

Tgt Ion:129 Resp: 380

Ion Ratio Lower Upper

129 100

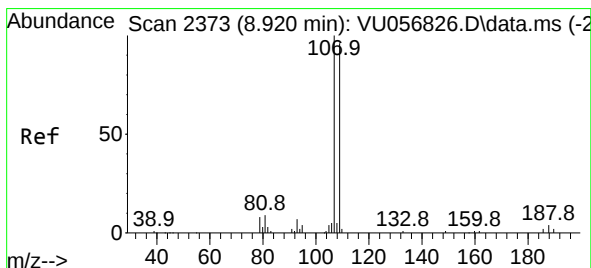
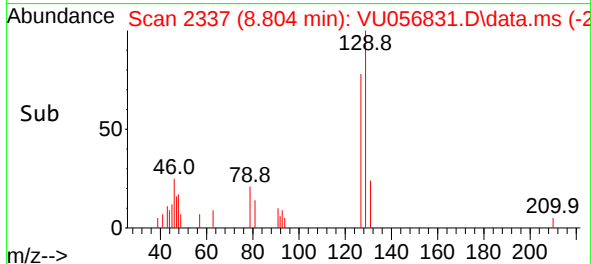
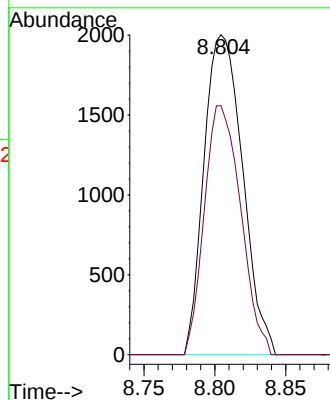
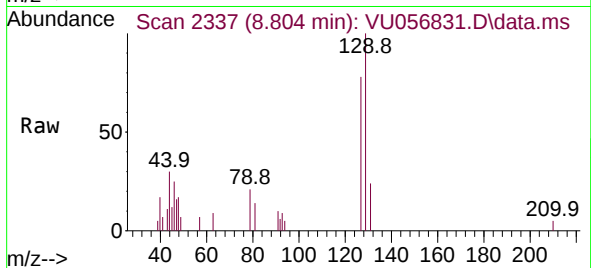
127 77.8 53.9 100.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2023

Supervised By :Mahesh Dadoda 12/18/2023



#50

1,2-Dibromoethane

Concen: 0.198 ug/L

RT: 8.920 min Scan# 2373

Delta R.T. 0.000 min

Lab File: VU056831.D

Acq: 14 Dec 2023 12:04

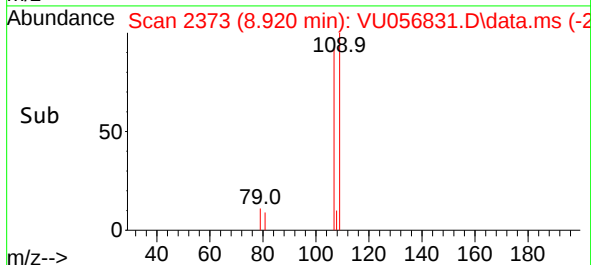
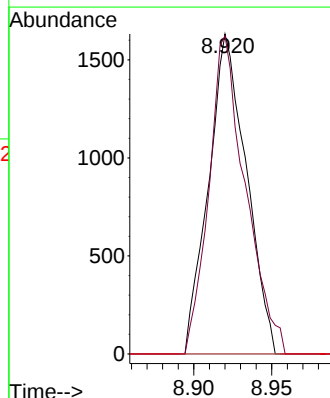
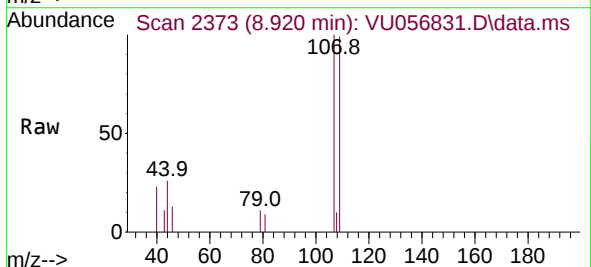
Tgt Ion:107 Resp: 2746

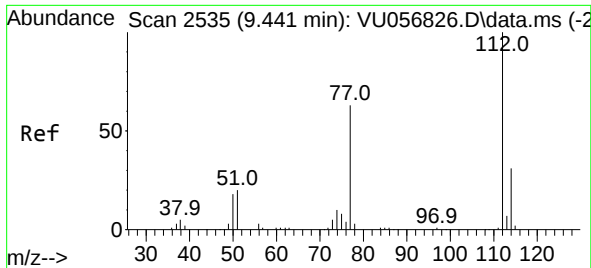
Ion Ratio Lower Upper

107 100

109 99.4 66.5 123.5

188 0.0 2.9 4.3#





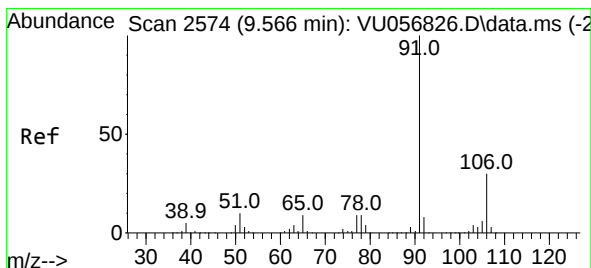
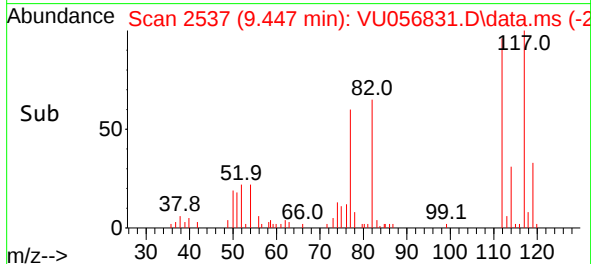
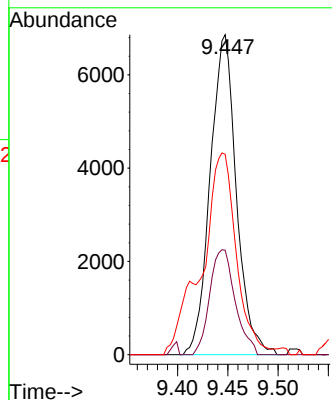
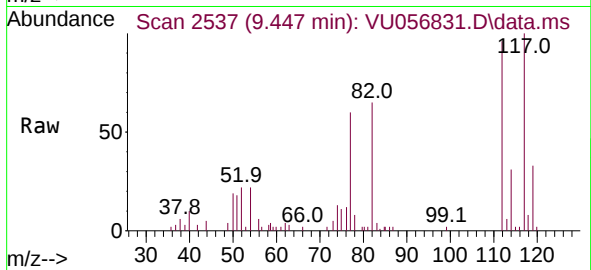
#51
Chlorobenzene
Concen: 0.218 ug/L
RT: 9.447 min Scan# 2143
Delta R.T. 0.006 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-07

Tgt Ion:112 Resp: 1243
Ion Ratio Lower Upper
112 100
114 32.6 21.9 40.7
77 62.6 51.6 77.4

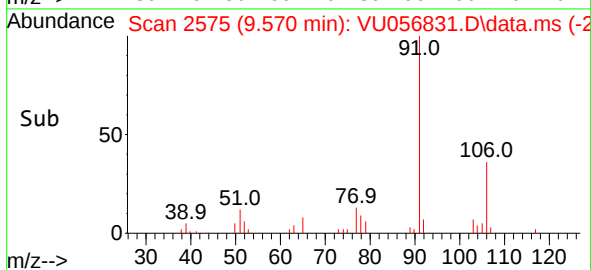
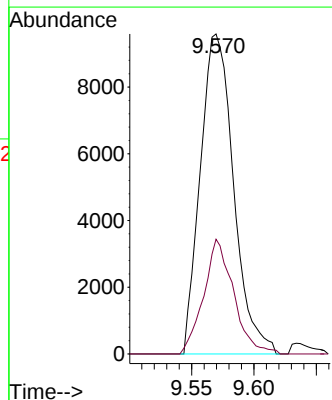
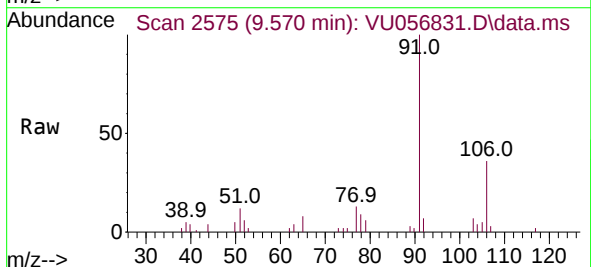
Manual Integrations
APPROVED

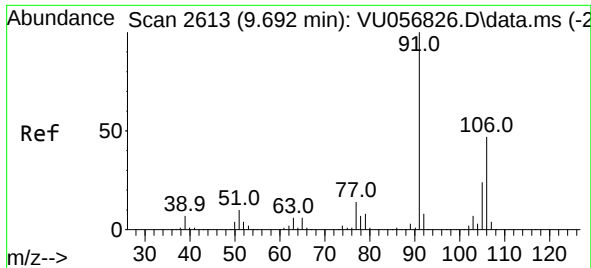
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023



#52
Ethylbenzene
Concen: 0.180 ug/L
RT: 9.570 min Scan# 2575
Delta R.T. 0.003 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

Tgt Ion: 91 Resp: 17802
Ion Ratio Lower Upper
91 100
106 35.8 20.6 38.4





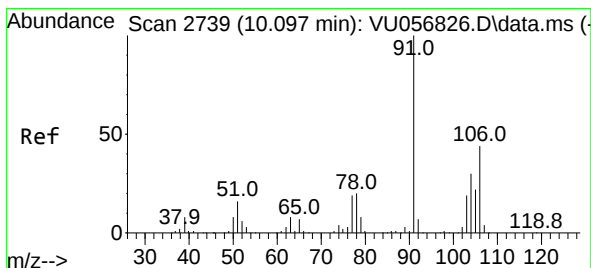
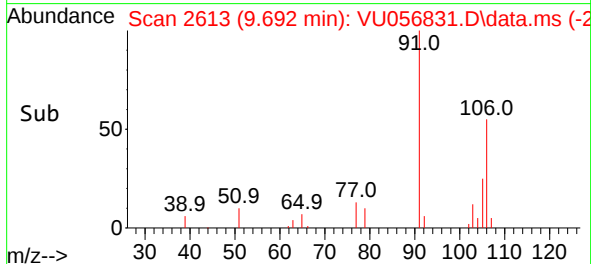
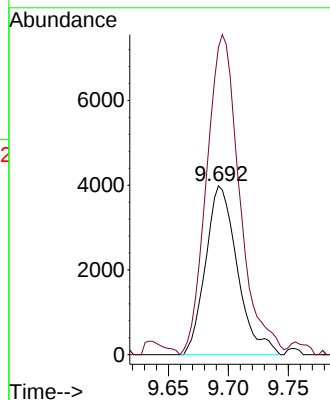
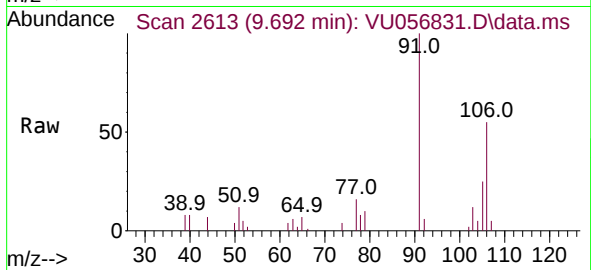
#53
m,p-Xylene
Concen: 0.199 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-07

Tgt Ion:106 Resp: 7330
Ion Ratio Lower Upper
106 100
91 182.1 154.0 286.0

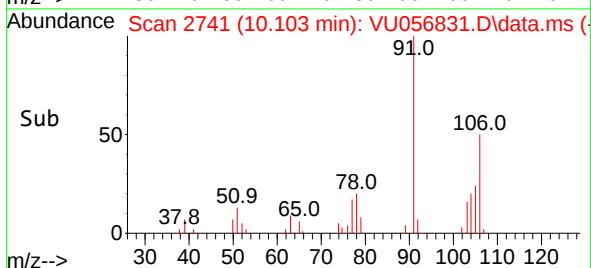
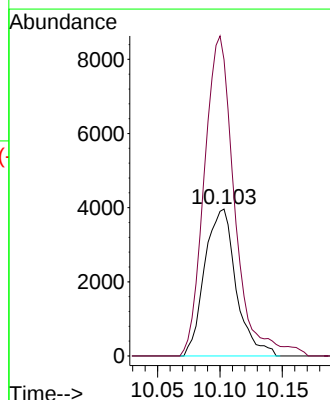
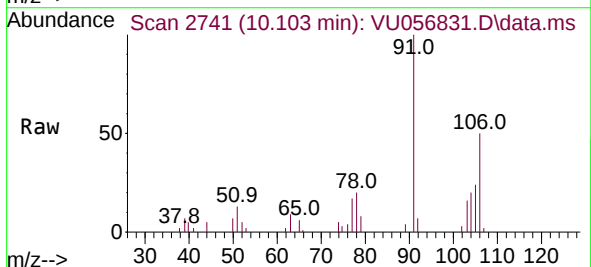
Manual Integrations
APPROVED

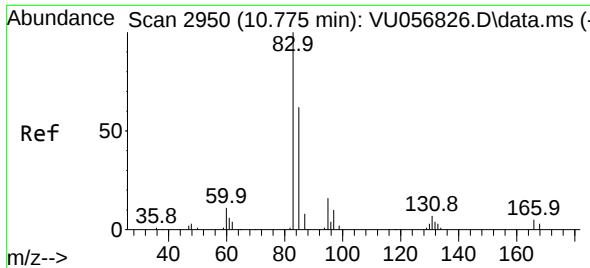
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023



#54
o-Xylene
Concen: 0.199 ug/L
RT: 10.103 min Scan# 2741
Delta R.T. 0.006 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

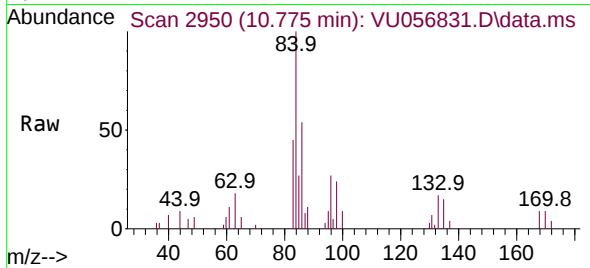
Tgt Ion:106 Resp: 6959
Ion Ratio Lower Upper
106 100
91 201.7 160.2 297.6





#57
1,1,2,2-Tetrachloroethane
Concen: 0.221 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

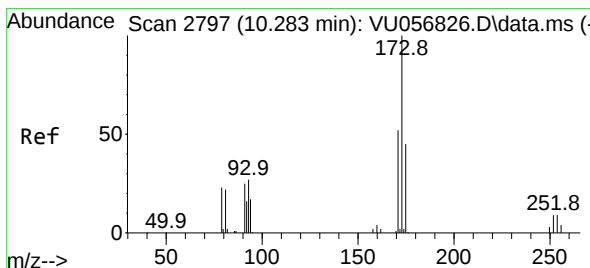
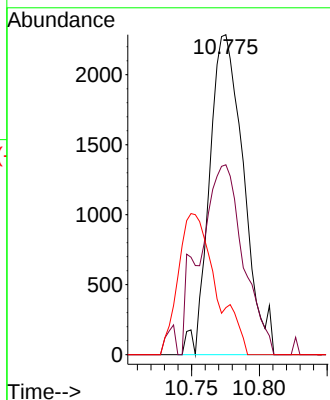
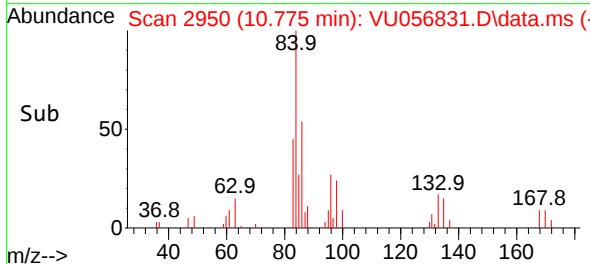
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion: 83 Resp: 398
Ion Ratio Lower Upper
83 100
85 59.4 45.4 84.4
131 14.7 6.6 9.8

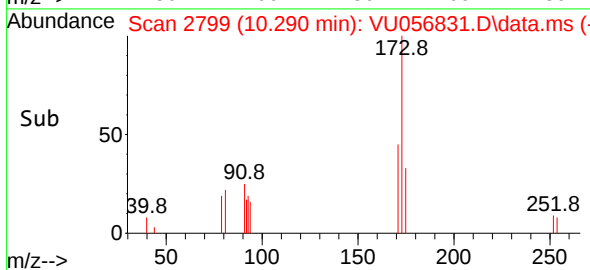
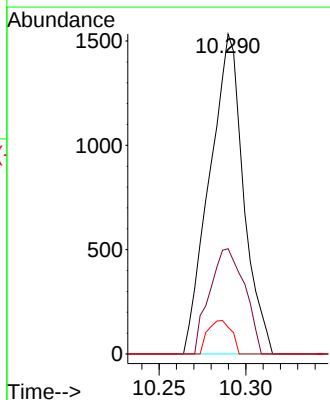
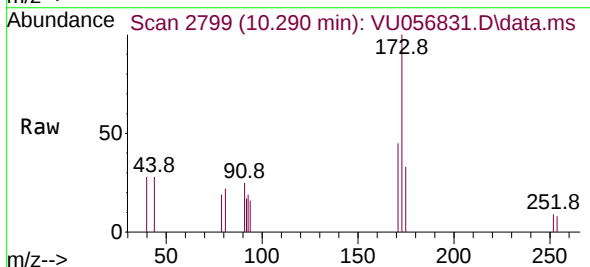
Manual Integrations
APPROVED

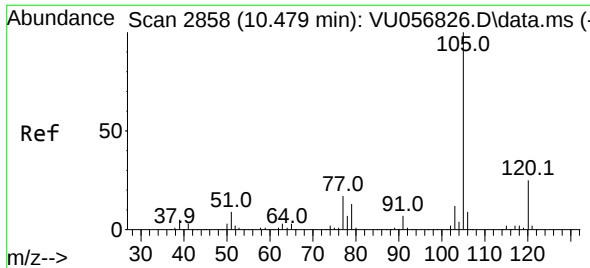
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023



#59
Bromoform
Concen: 0.256 ug/L
RT: 10.290 min Scan# 2799
Delta R.T. 0.006 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

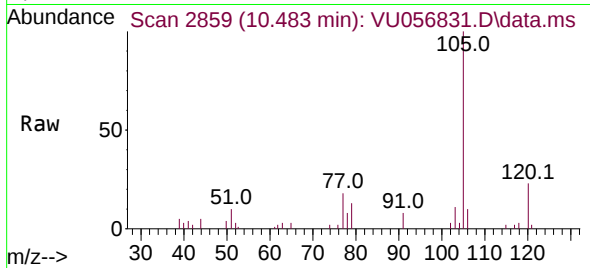
Tgt Ion:173 Resp: 2088
Ion Ratio Lower Upper
173 100
175 34.0 38.2 57.2#
254 7.2 7.0 10.4





#60
Isopropylbenzene
Concen: 0.182 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.003 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

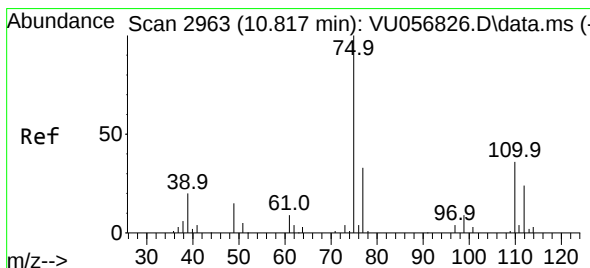
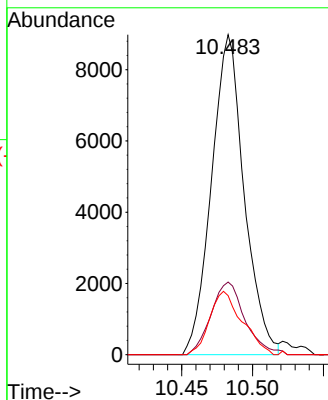
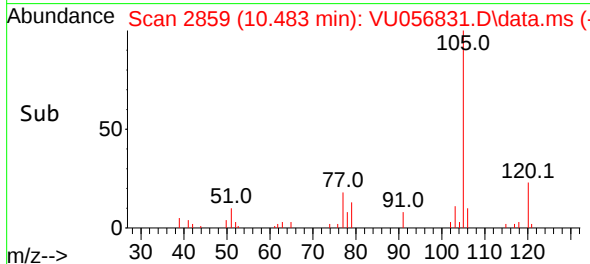
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-07



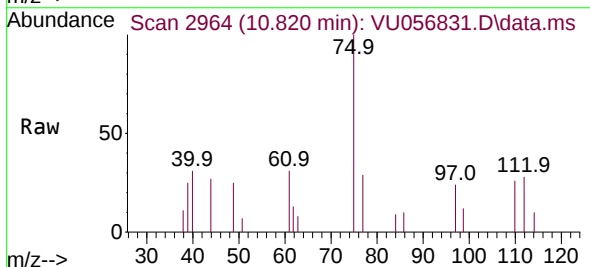
Tgt Ion:105 Resp: 14400
Ion Ratio Lower Upper
105 100
120 23.6 20.1 30.1
77 19.8 13.2 19.8

Manual Integrations
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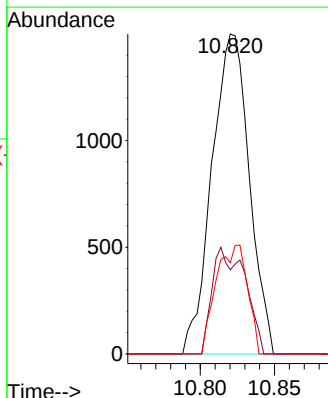
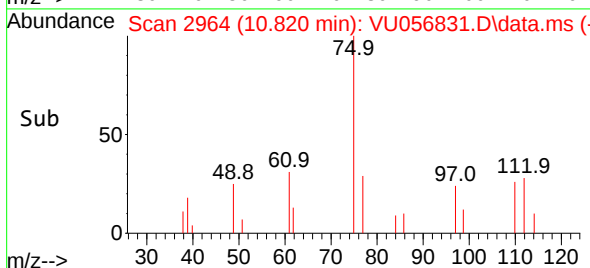
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023

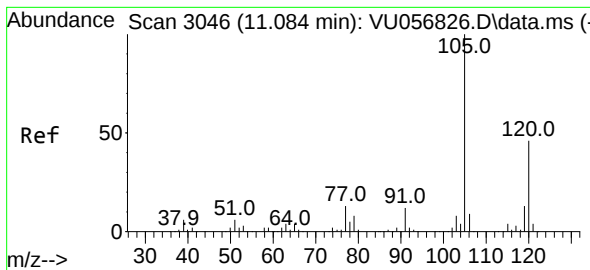


#61
1,2,3-Trichloropropane
Concen: 0.244 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.003 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04



Tgt Ion: 75 Resp: 2624
Ion Ratio Lower Upper
75 100
110 16.1 28.4 42.6#
77 28.5 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 0.169 ug/L

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU056831.D

Acq: 14 Dec 2023 12:04

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2023-07

Tgt Ion:105 Resp: 1091

Ion Ratio Lower Upper

105 100

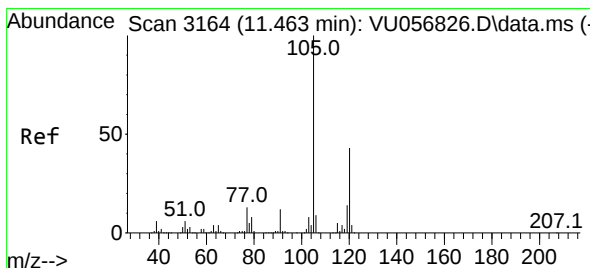
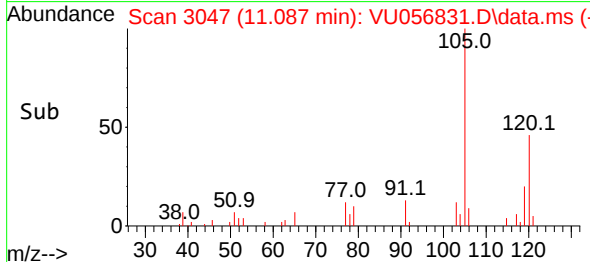
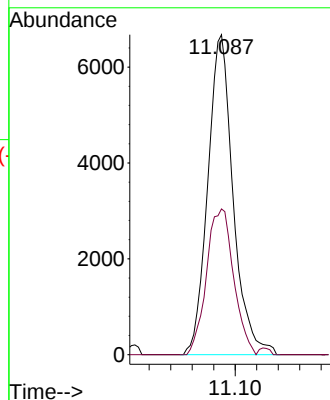
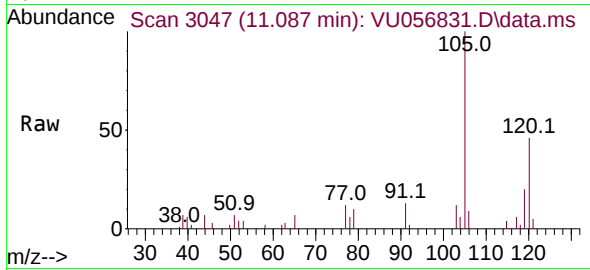
120 48.7 36.8 55.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2023

Supervised By :Mahesh Dadoda 12/18/2023



#63

1,2,4-Trimethylbenzene

Concen: 0.162 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU056831.D

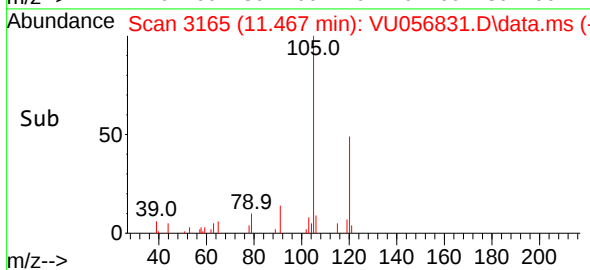
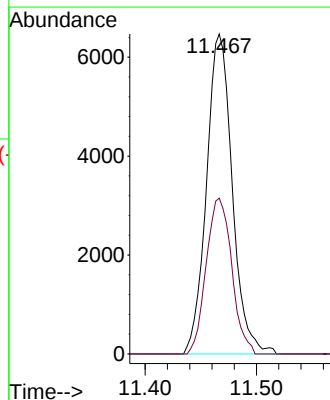
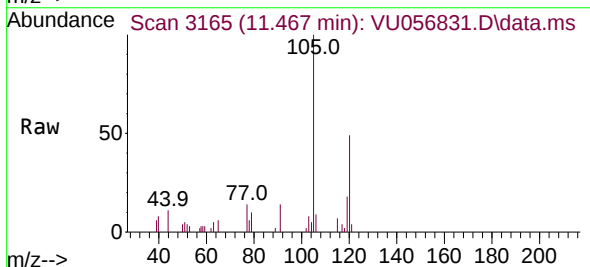
Acq: 14 Dec 2023 12:04

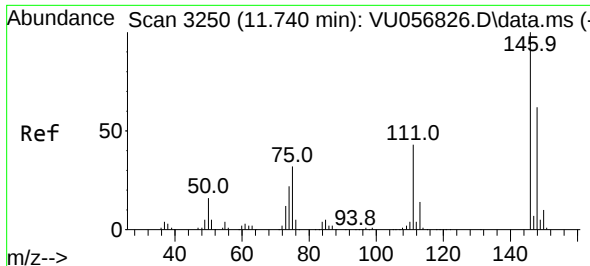
Tgt Ion:105 Resp: 10396

Ion Ratio Lower Upper

105 100

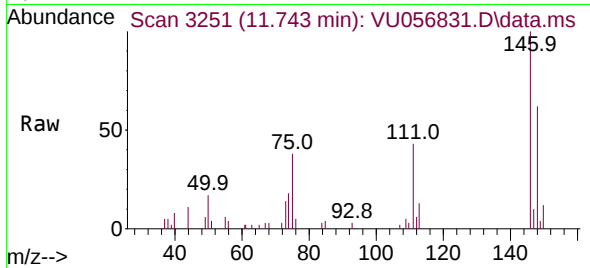
120 48.2 34.2 51.4





#64
1,3-Dichlorobenzene
Concen: 0.230 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

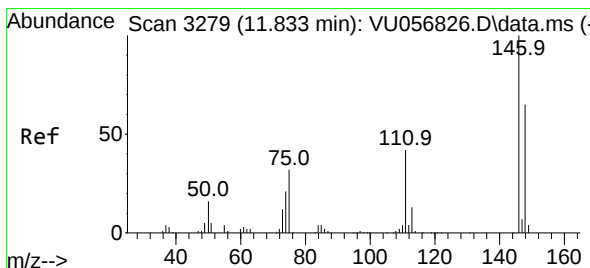
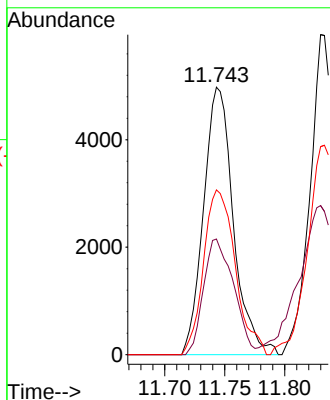
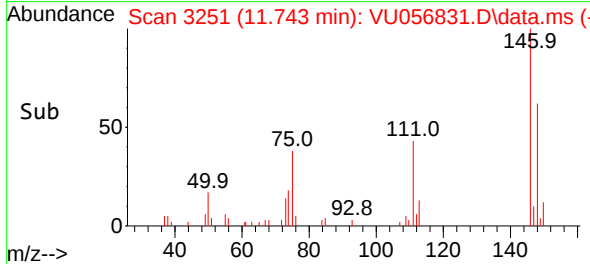
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-07



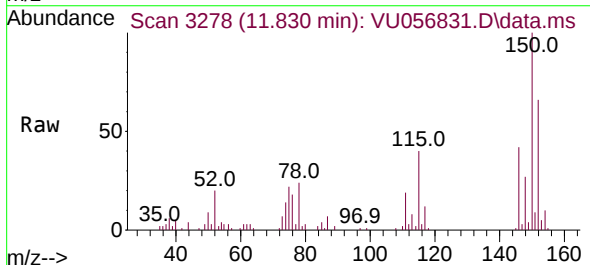
Tgt Ion:146 Resp: 859
Ion Ratio Lower Upper
146 100
111 43.3 31.7 58.9
148 61.6 44.3 82.3

Manual Integrations
APPROVED

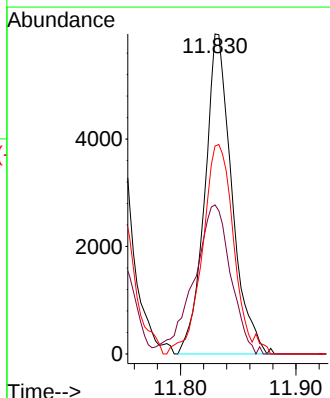
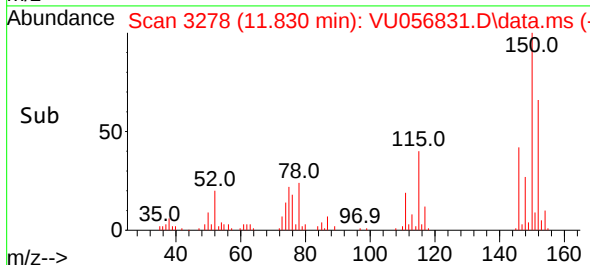
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023

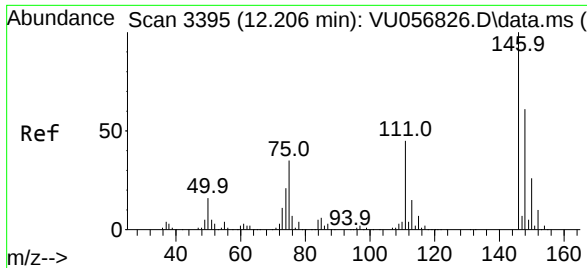


#65
1,4-Dichlorobenzene
Concen: 0.263 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04



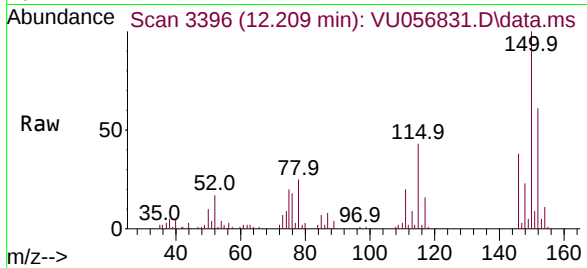
Tgt Ion:146 Resp: 9699
Ion Ratio Lower Upper
146 100
111 46.6 31.2 58.0
148 65.0 45.6 84.8





#67
1,2-Dichlorobenzene
Concen: 0.347 ug/L
RT: 12.209 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04

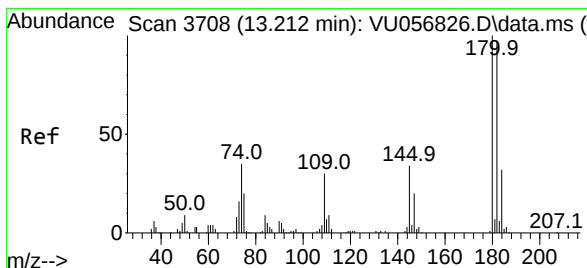
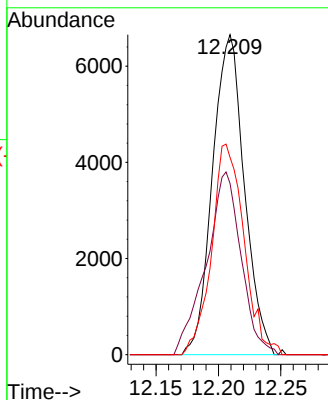
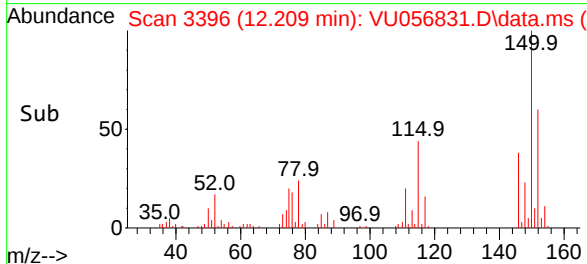
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-07



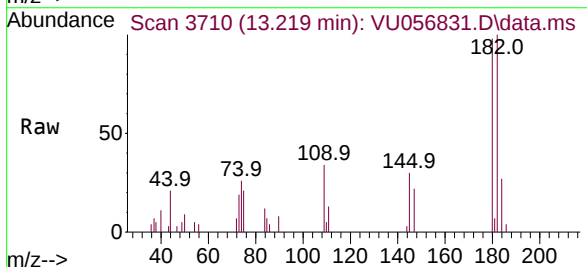
Tgt Ion:146 Resp: 1182
Ion Ratio Lower Upper
146 100
111 53.5 36.9 55.3
148 61.6 53.0 79.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023



#69
1,3,5-Trichlorobenzene
Concen: 0.184 ug/L
RT: 13.219 min Scan# 3710
Delta R.T. 0.006 min
Lab File: VU056831.D
Acq: 14 Dec 2023 12:04



Tgt Ion:180 Resp: 5193
Ion Ratio Lower Upper
180 100
182 100.9 76.2 114.4
184 26.7 24.6 37.0
145 31.9 26.7 40.1

