

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112824\
 Data File : VU062063.D
 Acq On : 27 Nov 2024 19:54
 Operator : MD/SY
 Sample : P4776-01
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2024-07

Quant Time: Nov 28 01:32:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 28 01:06:41 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/02/2024
 Supervised By :Semsettin Yesilyurt 12/02/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	172898	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	161648	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	74882	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	56878	47.480	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.960%
7) Chloroethane-d5	1.904	69	39971	46.296	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.600%
11) 1,1-Dichloroethene-d2	2.560	63	83992	36.979	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.960%
21) 2-Butanone-d5	4.618	46	85646	105.209	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.210%
24) Chloroform-d	5.052	84	115868	46.342	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.680%
26) 1,2-Dichloroethane-d4	5.689	65	77871	48.819	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.640%
32) Benzene-d6	5.718	84	224855	48.644	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.280%
36) 1,2-Dichloropropane-d6	6.679	67	72093	49.629	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.260%
41) Toluene-d8	7.888	98	209782	49.023	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.040%
43) trans-1,3-Dichloroprop...	8.171	79	35165	48.438	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.880%
47) 2-Hexanone-d5	8.627	63	55849	102.063	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.060%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	102331	48.407	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.820%
66) 1,2-Dichlorobenzene-d4	12.184	152	76226	51.745	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	4224	2.559	ug/L	91
3) Chloromethane	1.518	50	3499	2.572	ug/L	95
5) Vinyl chloride	1.602	62	3709	2.644	ug/L #	50
6) Bromomethane	1.853	94	1992	2.585	ug/L	94
8) Chloroethane	1.927	64	2086	2.581	ug/L	86
9) Trichlorofluoromethane	2.133	101	5420	2.527	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	3458	2.875	ug/L #	68
12) 1,1-Dichloroethene	2.573	96	3647	3.334	ug/L #	1
13) Acetone	2.631	43	3645m	3.739	ug/L	
14) Carbon disulfide	2.789	76	8960	2.723	ug/L	95
15) Methyl Acetate	2.965	43	2924m	2.432	ug/L	
16) Methylene chloride	3.043	84	3103	2.488	ug/L	95
17) trans-1,2-Dichloroethene	3.351	96	2683	2.386	ug/L	96
18) Methyl tert-butyl Ether	3.358	73	8432	2.225	ug/L	97
19) 1,1-Dichloroethane	3.859	63	5031	2.335	ug/L	97
20) cis-1,2-Dichloroethene	4.663	96	3275	2.557	ug/L	92
22) 2-Butanone	4.727	43	5229m	4.973	ug/L	
23) Bromochloromethane	4.975	128	1653m	2.481	ug/L	
27) 1,2-Dichloroethane	5.788	62	4622	2.475	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.377	56	4290	2.323	ug/L	97
30) 1,1,1-Trichloroethane	5.309	97	4544	2.173	ug/L #	86
31) Carbon tetrachloride	5.515	117	3880	2.076	ug/L	86
34) Trichloroethene	6.538	95	3139	2.390	ug/L	93
35) Methylcyclohexane	6.756	83	4490	2.255	ug/L	99
37) 1,2-Dichloropropane	6.788	63	3013m	2.367	ug/L	
38) Bromodichloromethane	7.097	83	3974	2.317	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	5058	2.461	ug/L	91
40) 4-Methyl-2-pentanone	7.788	43	7476	4.702	ug/L	92
42) Toluene	7.962	91	12214	2.375	ug/L	99
44) trans-1,3-Dichloropropene	8.210	75	4607	2.424	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	2933	2.322	ug/L	97
46) Tetrachloroethene	8.547	164	2260	2.264	ug/L	94
48) 2-Hexanone	8.682	43	11544	8.613	ug/L #	86
49) Dibromochloromethane	8.801	129	3118	2.362	ug/L	98
50) 1,2-Dibromoethane	8.920	107	3164	2.306	ug/L #	98
51) Chlorobenzene	9.441	112	8141	2.506	ug/L	96
52) Ethylbenzene	9.563	91	12976	2.297	ug/L	98
53) m,p-Xylene	9.689	106	4859	2.326	ug/L	96
54) o-Xylene	10.094	106	4591	2.247	ug/L	72
55) Styrene	10.113	104	7241	2.106	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	5372	2.577	ug/L #	89
59) Bromoform	10.280	173	2132	2.258	ug/L #	81
60) 1,2,3-Trichloropropane	10.814	75	3802	2.485	ug/L	95
61) Isopropylbenzene	10.476	105	11912	2.363	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	9610	2.239	ug/L	96
63) 1,2,4-Trimethylbenzene	11.463	105	8825	2.135	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	6088	2.613	ug/L	94
65) 1,4-Dichlorobenzene	11.830	146	6541	2.766	ug/L	97
67) 1,2-Dichlorobenzene	12.203	146	5936	2.579	ug/L	91
68) 1,2-Dibromo-3-chloropr...	12.994	75	1012	2.347	ug/L	84
69) 1,3,5-Trichlorobenzene	13.216	180	3999	2.438	ug/L	95
70) 1,2,4-trichlorobenzene	13.843	180	3036m	2.168	ug/L	
71) Naphthalene	14.094	128	8482m	2.236	ug/L	
72) 1,2,3-Trichlorobenzene	14.328	180	3002	2.221	ug/L	98

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

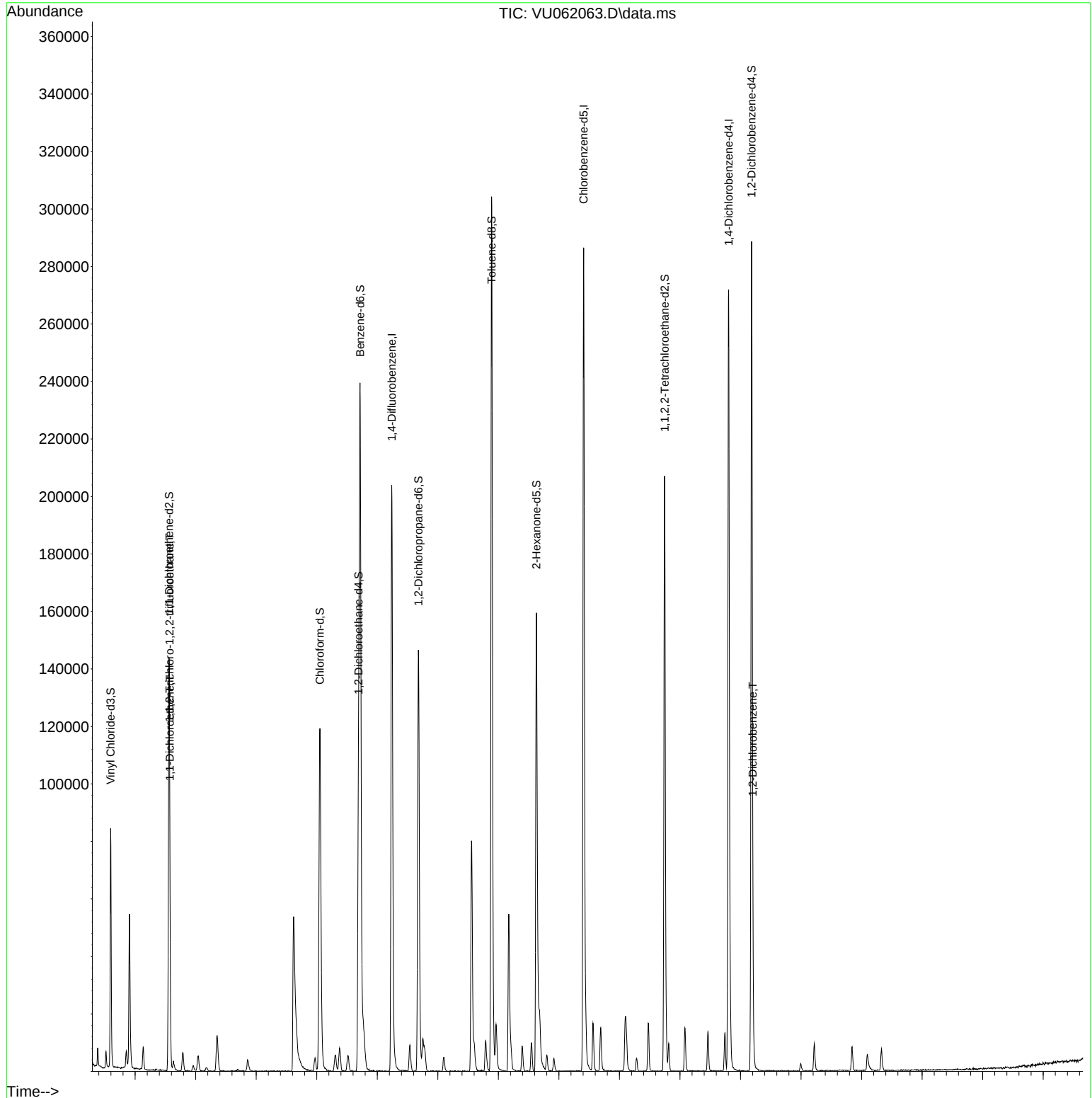
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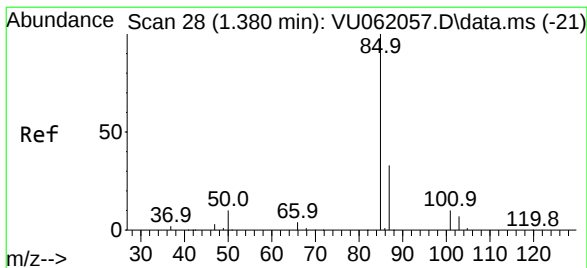
Instrument :
MSVOA_U
ClientSampleId :
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#2

Dichlorodifluoromethane

Concen: 2.559 ug/L

RT: 1.383 min Scan# 29

Delta R.T. 0.003 min

Lab File: VU062063.D

Acq: 27 Nov 2024 19:54

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2024-07

Tgt Ion: 85 Resp: 4224

Ion Ratio Lower Upper

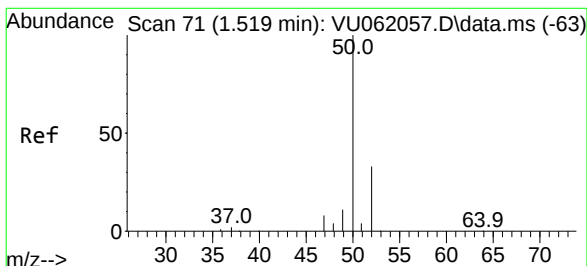
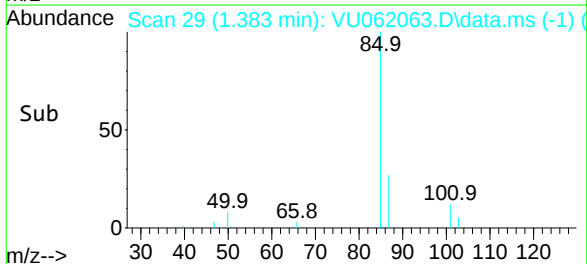
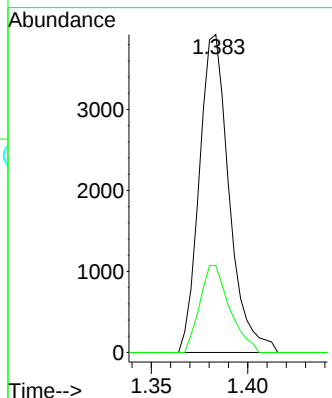
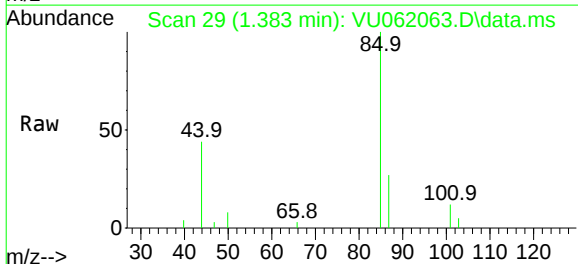
85 100

87 27.4 26.0 39.0

Manual Integrations

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#3

Chloromethane

Concen: 2.572 ug/L

RT: 1.518 min Scan# 71

Delta R.T. -0.000 min

Lab File: VU062063.D

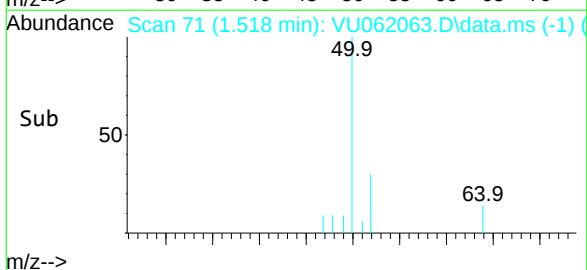
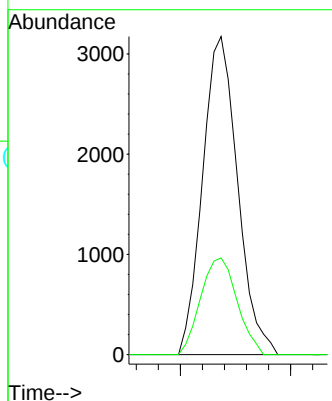
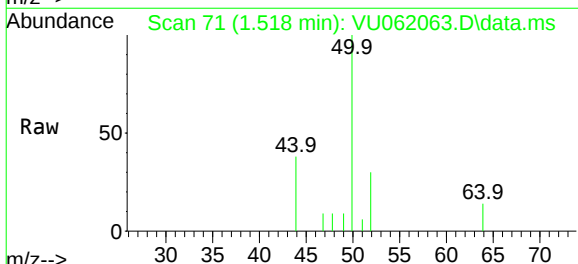
Acq: 27 Nov 2024 19:54

Tgt Ion: 50 Resp: 3499

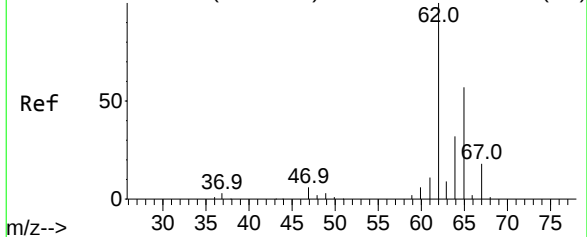
Ion Ratio Lower Upper

50 100

52 30.4 23.3 43.3



Abundance Scan 97 (1.602 min): VU062057.D\data.ms (-88)



#5

Vinyl chloride

Concen: 2.644 ug/L

RT: 1.602 min Scan# 97

Delta R.T. -0.000 min

Lab File: VU062063.D

Acq: 27 Nov 2024 19:54

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2024-07

Tgt Ion: 62 Resp: 3709

Ion Ratio Lower Upper

62 100

64 60.9 23.0 42.8#

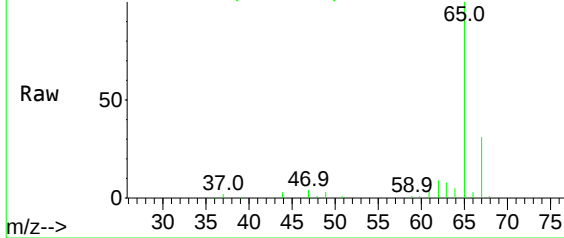
Manual Integrations

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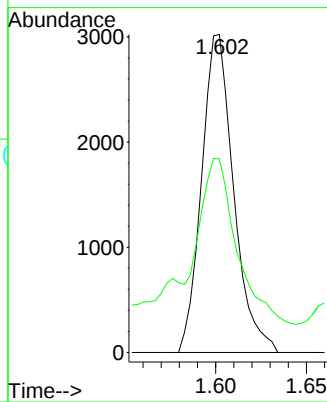
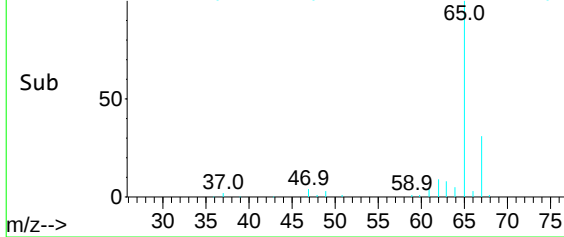
Reviewed By :Mahesh Dadoda 12/02/2024

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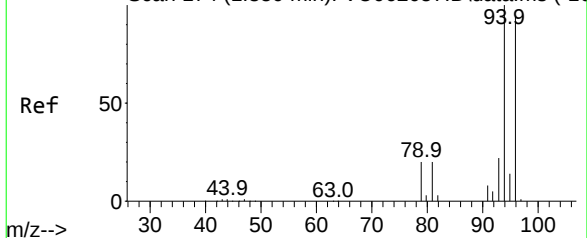
Abundance Scan 97 (1.602 min): VU062063.D\data.ms



Abundance Scan 97 (1.602 min): VU062063.D\data.ms (-4)



Abundance Scan 174 (1.850 min): VU062057.D\data.ms (-16)



#6

Bromomethane

Concen: 2.585 ug/L

RT: 1.853 min Scan# 175

Delta R.T. 0.003 min

Lab File: VU062063.D

Acq: 27 Nov 2024 19:54

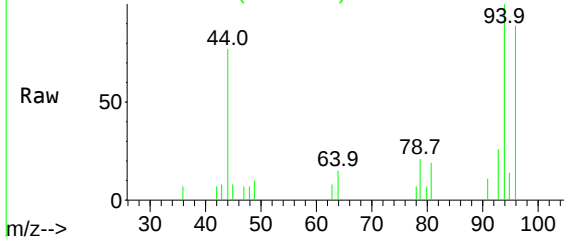
Tgt Ion: 94 Resp: 1992

Ion Ratio Lower Upper

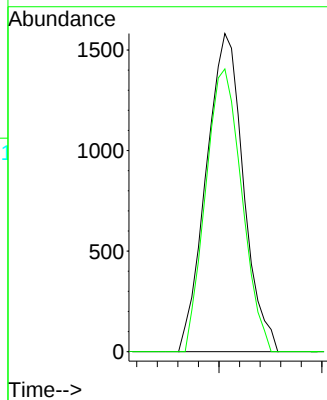
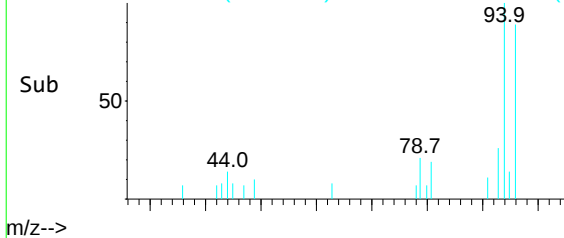
94 100

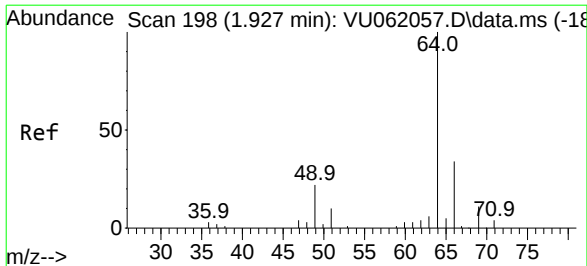
96 88.9 66.0 122.6

Abundance Scan 175 (1.853 min): VU062063.D\data.ms



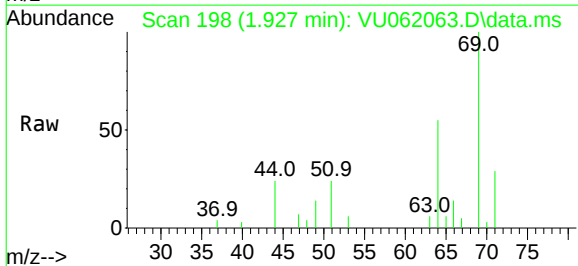
Abundance Scan 175 (1.853 min): VU062063.D\data.ms (-8)





#8
Chloroethane
Concen: 2.581 ug/L
RT: 1.927 min Scan# 198
Delta R.T. -0.000 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

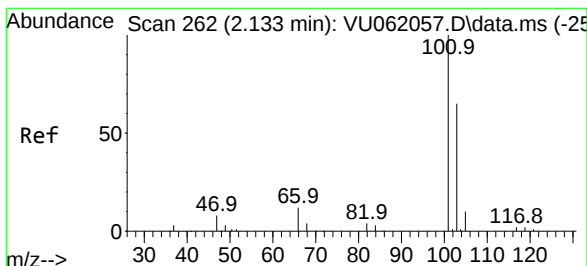
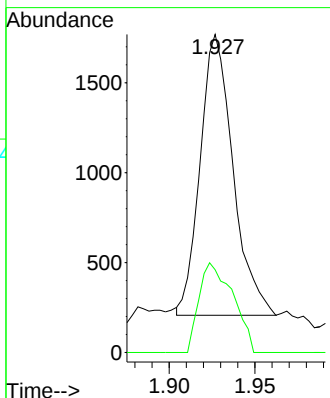
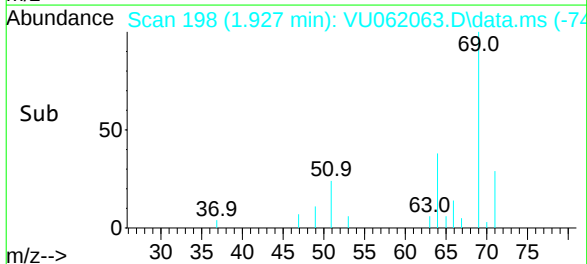
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion: 64 Resp: 2086
Ion Ratio Lower Upper
64 100
66 26.0 23.7 44.1

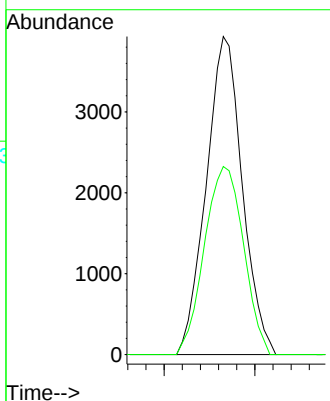
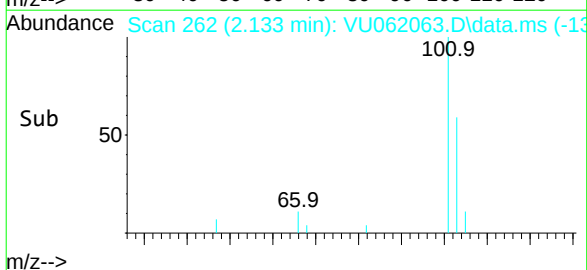
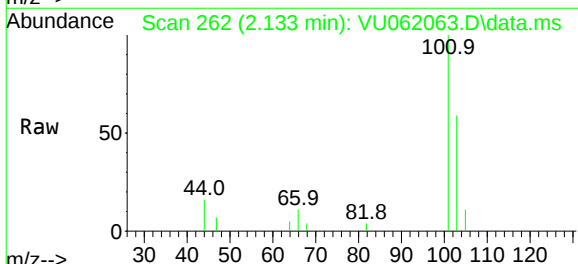
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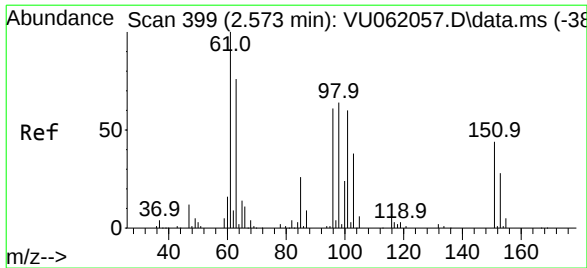
Reviewed By :Mahesh Dadoda 12/02/2024
Supervised By :Semsettin Yesilyurt 12/02/2024



#9
Trichlorofluoromethane
Concen: 2.527 ug/L
RT: 2.133 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

Tgt Ion:101 Resp: 5420
Ion Ratio Lower Upper
101 100
103 64.1 52.9 79.3





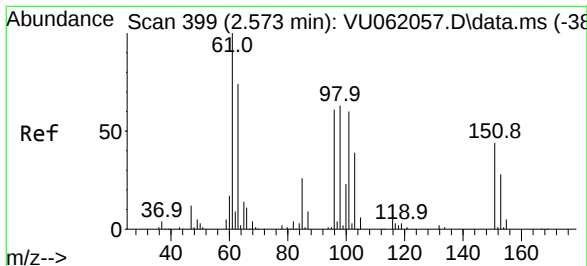
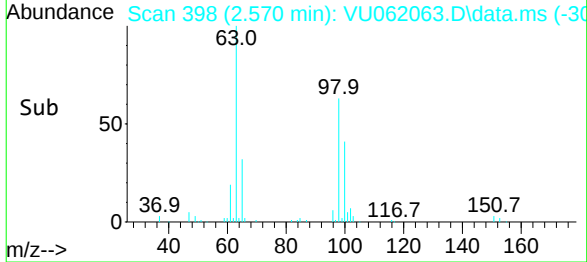
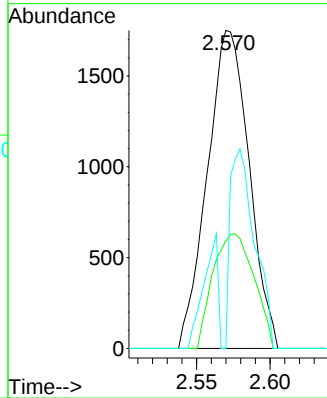
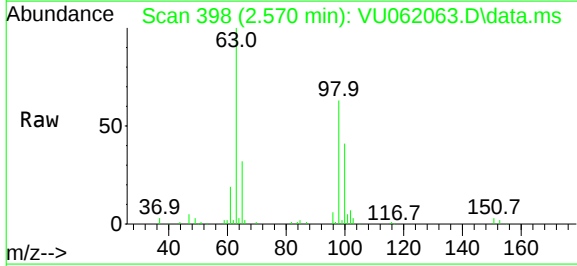
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.875 ug/L
RT: 2.570 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU062063.D
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Instrument :
MSVOA_U
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Tgt Ion:101 Resp: 3458
Ion Ratio Lower Upper
101 100
85 35.4 34.7 52.1
151 36.8 59.0 88.4#

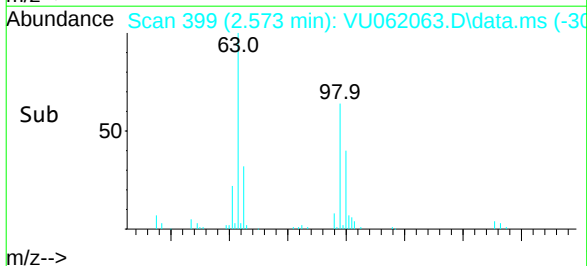
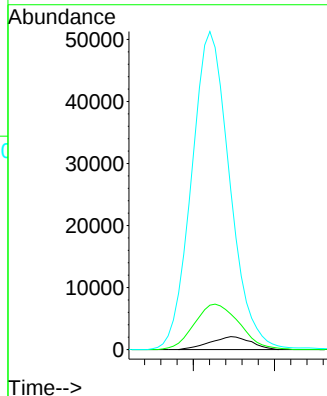
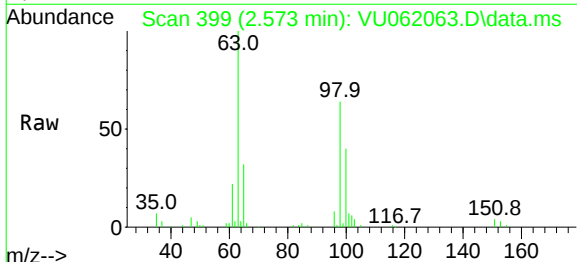
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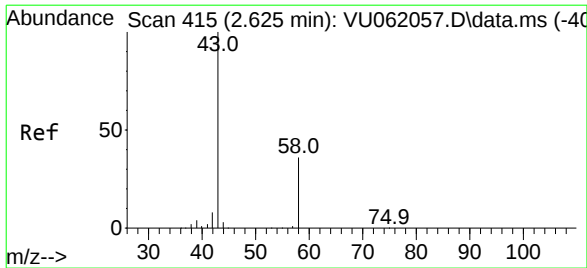
Reviewed By :Mahesh Dadoda 12/02/2024
Supervised By :Semsettin Yesilyurt 12/02/2024



#12
1,1-Dichloroethene
Concen: 3.334 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.000 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

Tgt Ion: 96 Resp: 3647
Ion Ratio Lower Upper
96 100
61 273.7 115.2 214.0#
63 1226.4 89.3 165.9#





#13

Acetone

Concen: 3.739 ug/L m

RT: 2.631 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU062063.D

Acq: 27 Nov 2024 19:54

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2024-07

Tgt Ion: 43 Resp: 3645

Ion Ratio Lower Upper

43 100

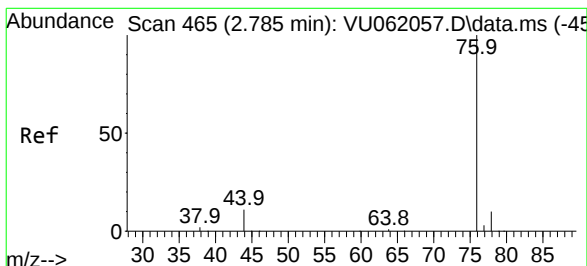
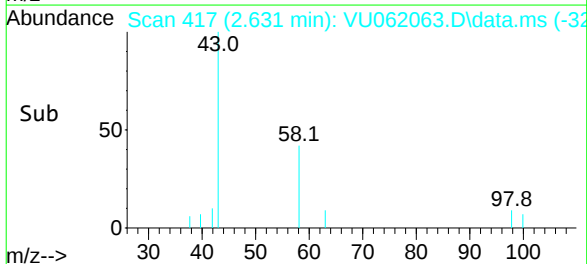
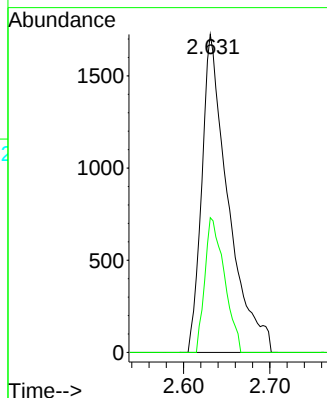
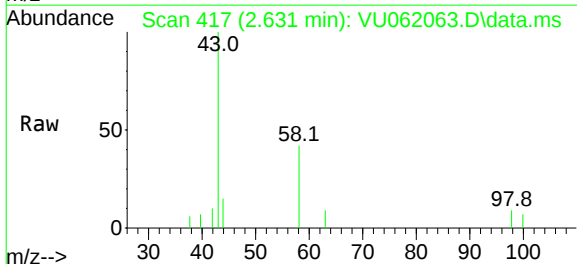
58 31.5 0.0 72.4

Manual Integrations

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Supervised By :Semsettin Yesilyurt 12/02/2024



#14

Carbon disulfide

Concen: 2.723 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.003 min

Lab File: VU062063.D

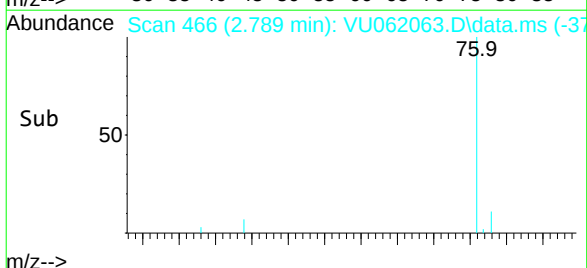
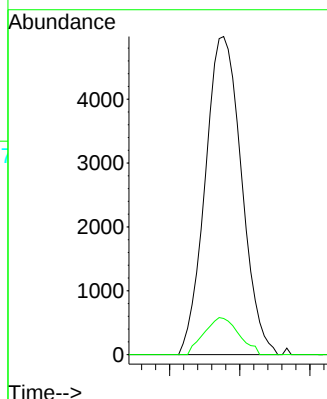
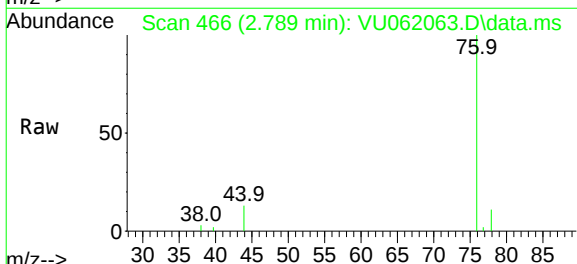
Acq: 27 Nov 2024 19:54

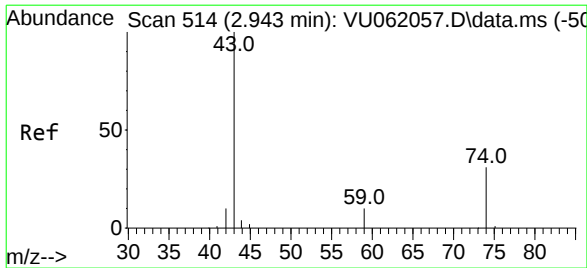
Tgt Ion: 76 Resp: 8960

Ion Ratio Lower Upper

76 100

78 11.4 7.8 11.6





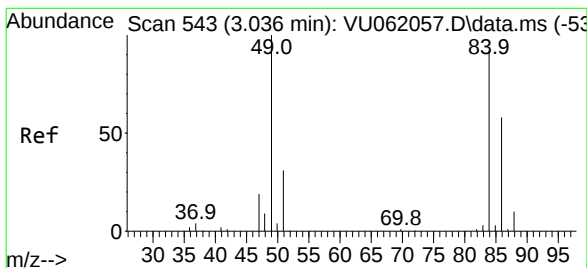
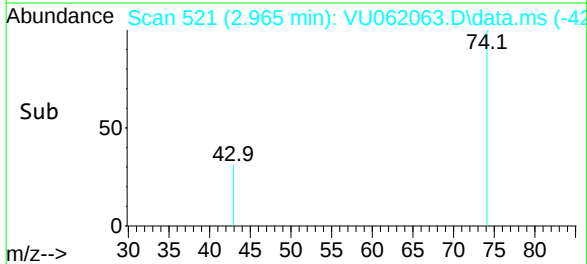
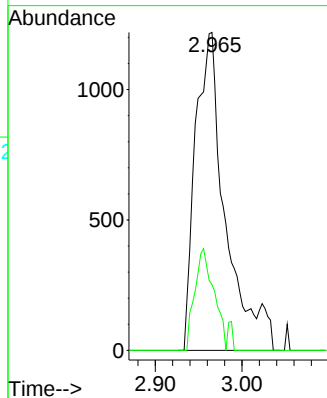
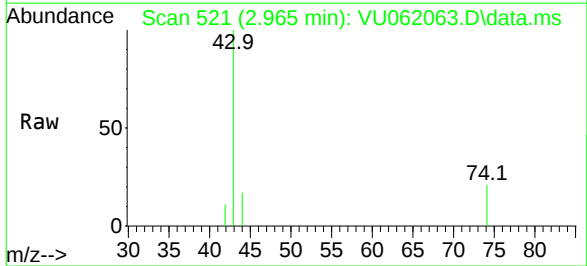
#15
Methyl Acetate
Concen: 2.432 ug/L m
RT: 2.965 min Scan# 521
Delta R.T. 0.022 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2024-07

Tgt Ion: 43 Resp: 2924
Ion Ratio Lower Upper
43 100
74 1.4 23.4 35.2#

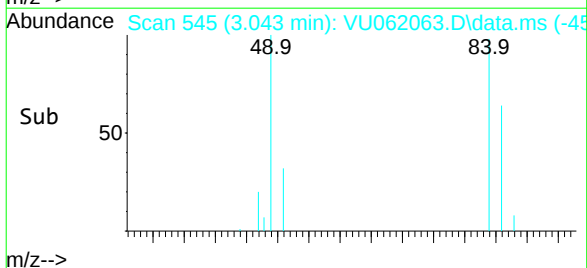
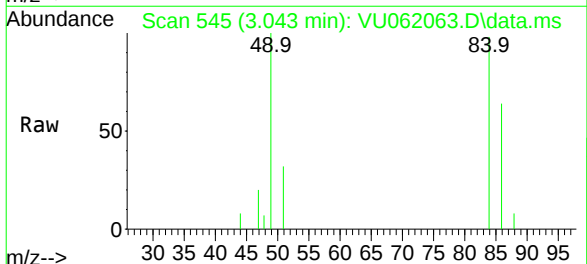
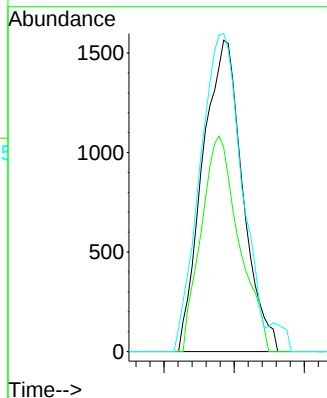
Manual Integrations
APPROVED

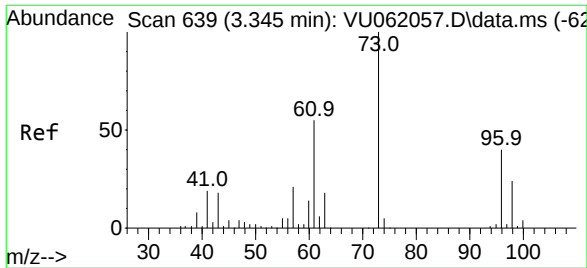
Reviewed By :Mahesh Dadoda 12/02/2024
Supervised By :Semsettin Yesilyurt 12/02/2024



#16
Methylene chloride
Concen: 2.488 ug/L
RT: 3.043 min Scan# 545
Delta R.T. 0.006 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

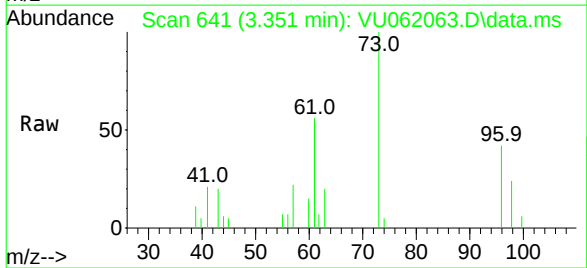
Tgt Ion: 84 Resp: 3103
Ion Ratio Lower Upper
84 100
86 65.6 44.4 82.4
49 102.2 75.9 141.1





#17
trans-1,2-Dichloroethene
Concen: 2.386 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.006 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

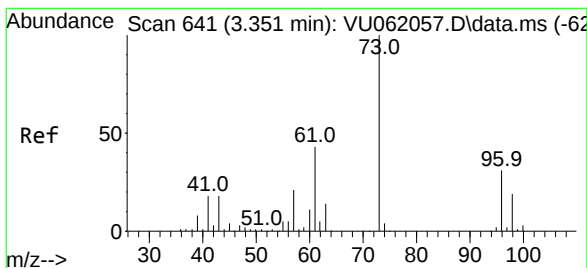
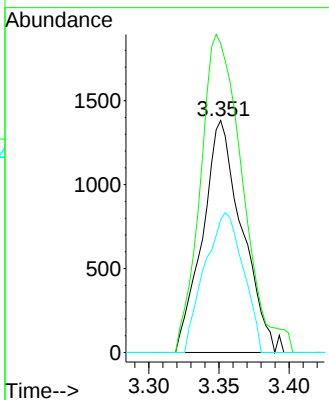
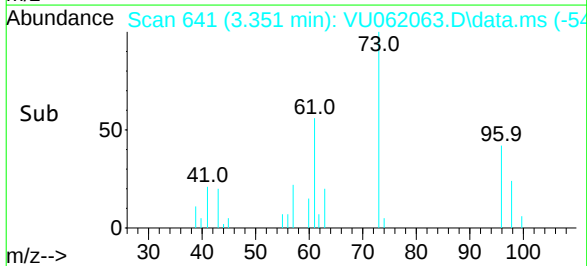
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-07



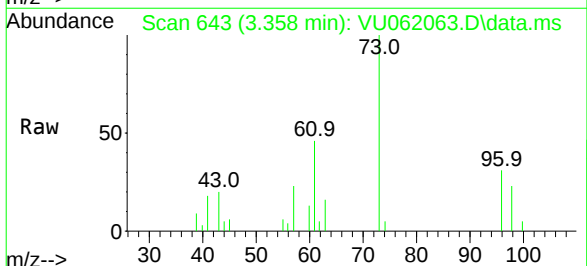
Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.3	96.2	178.6
98	57.2	42.7	79.3

Manual Integrations
APPROVED

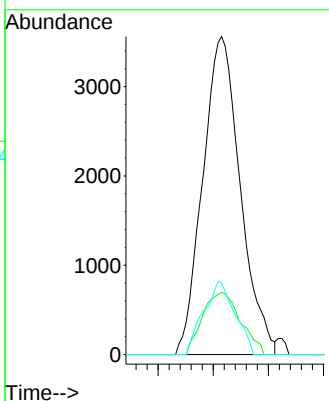
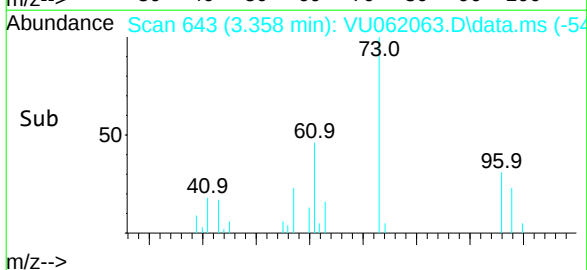
Reviewed By :Mahesh Dadoda 12/02/2024
Supervised By :Semsettin Yesilyurt 12/02/2024

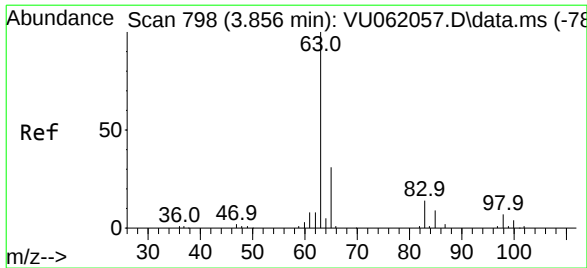


#18
Methyl tert-butyl Ether
Concen: 2.225 ug/L
RT: 3.358 min Scan# 643
Delta R.T. 0.006 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54



Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.8	14.7	22.1
57	19.3	16.4	24.6





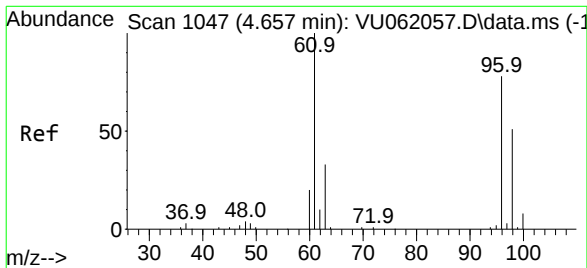
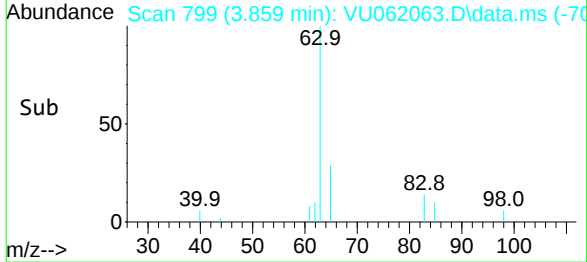
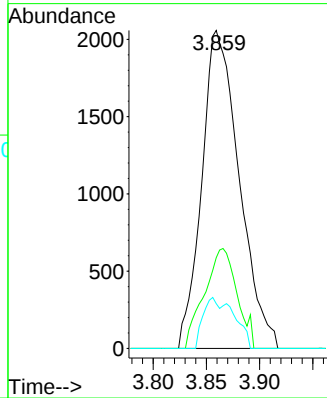
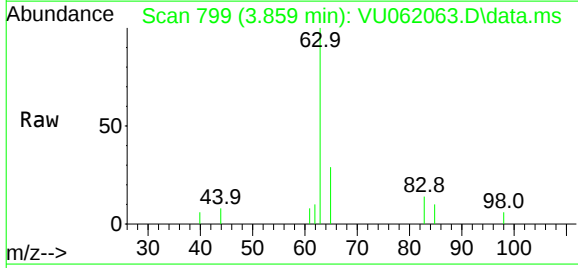
#19
1,1-Dichloroethane
Concen: 2.335 ug/L
RT: 3.859 min Scan# 798
Delta R.T. 0.003 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-07

Tgt Ion: 63	Resp: 5031
Ion Ratio	Lower Upper
63 100	
65 28.5	21.7 40.3
83 14.1	10.0 18.6

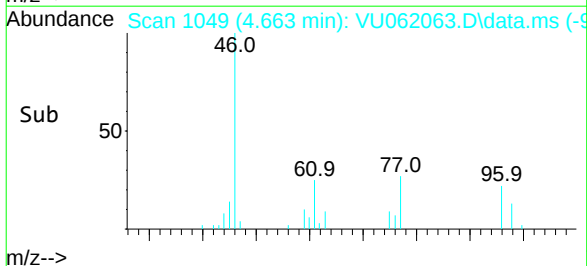
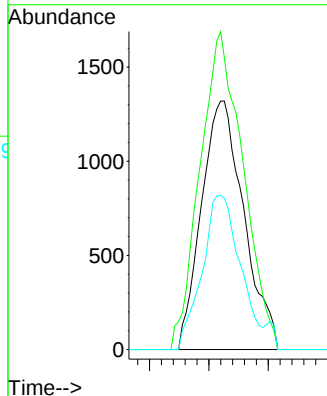
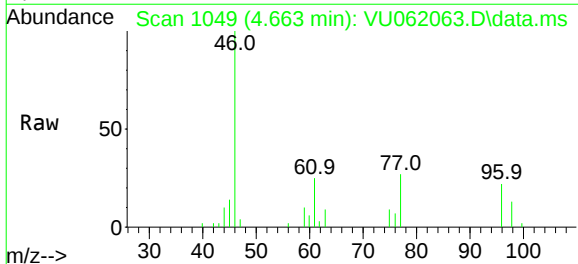
Manual Integrations
APPROVED

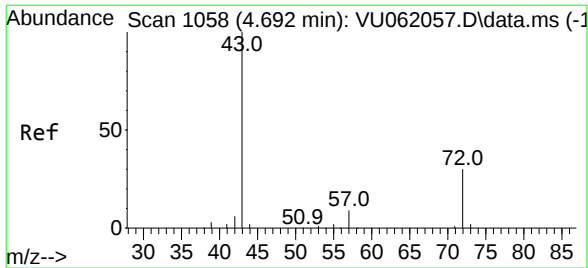
Reviewed By :Mahesh Dadoda 12/02/2024
Supervised By :Semsettin Yesilyurt 12/02/2024



#20
cis-1,2-Dichloroethene
Concen: 2.557 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.006 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

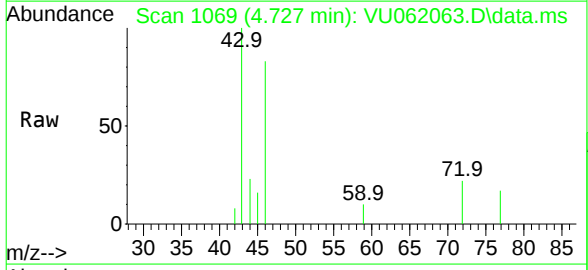
Tgt Ion: 96	Resp: 3275
Ion Ratio	Lower Upper
96 100	
61 117.5	90.1 167.3
98 60.8	45.3 84.1





#22
2-Butanone
Concen: 4.973 ug/L m
RT: 4.727 min Scan# 1069
Delta R.T. 0.035 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

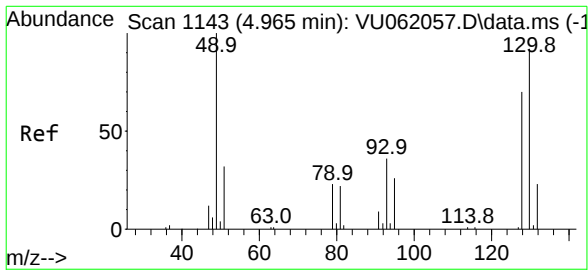
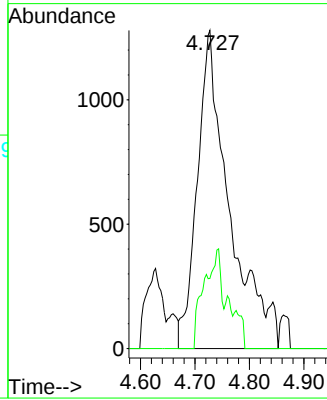
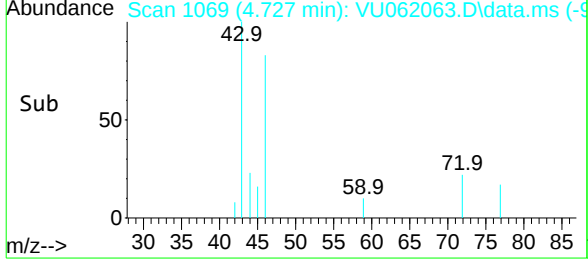
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2024-07



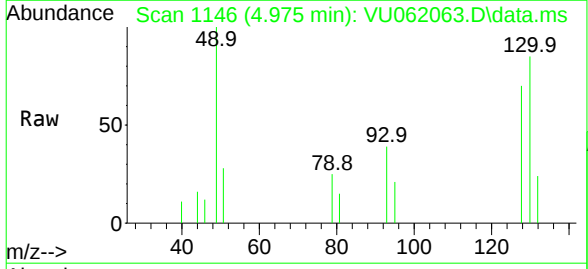
Tgt Ion: 43 Resp: 5229
Ion Ratio Lower Upper
43 100
72 6.9 15.9 47.7#

Manual Integrations
APPROVED

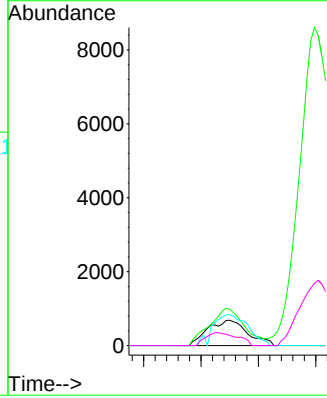
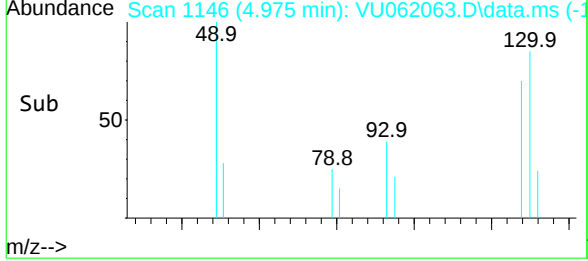
Reviewed By :Mahesh Dadoda 12/02/2024
Supervised By :Semsettin Yesilyurt 12/02/2024

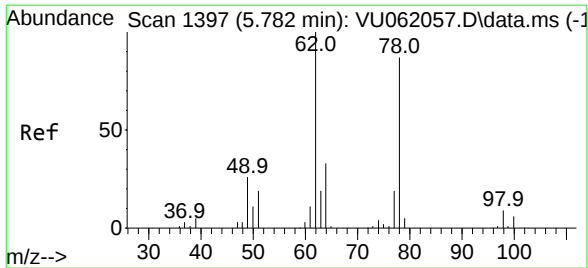


#23
Bromochloromethane
Concen: 2.481 ug/L m
RT: 4.975 min Scan# 1146
Delta R.T. 0.009 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54



Tgt Ion:128 Resp: 1653
Ion Ratio Lower Upper
128 100
49 143.9 100.7 187.1
130 122.3 92.4 171.6
51 40.7 37.1 55.7





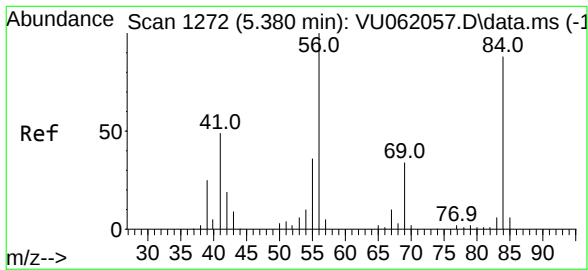
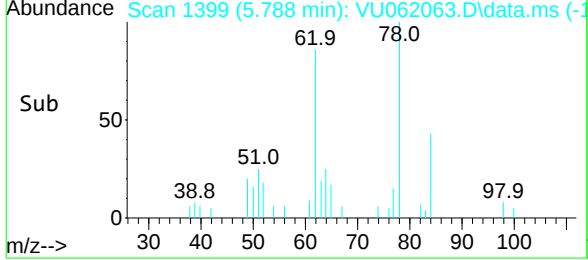
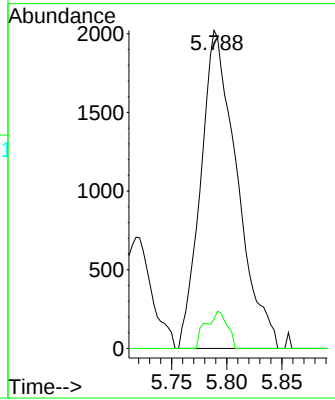
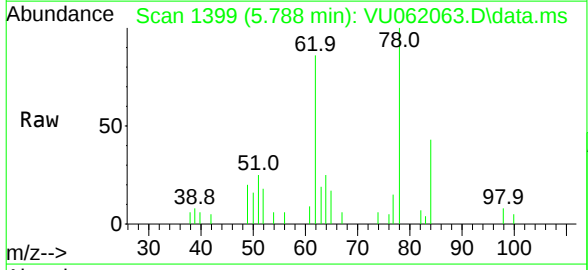
#27
1,2-Dichloroethane
Concen: 2.475 ug/L
RT: 5.788 min Scan# 1319
Delta R.T. 0.006 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2024-07

Tgt Ion:	62	Resp:	4622
Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.4	11.0

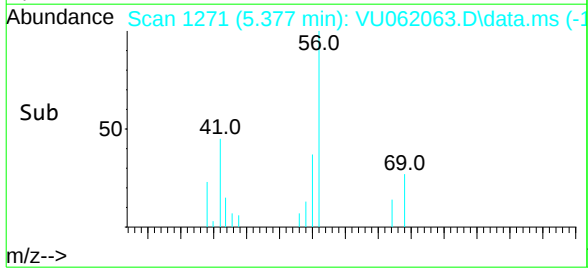
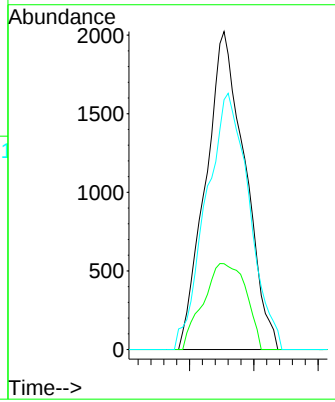
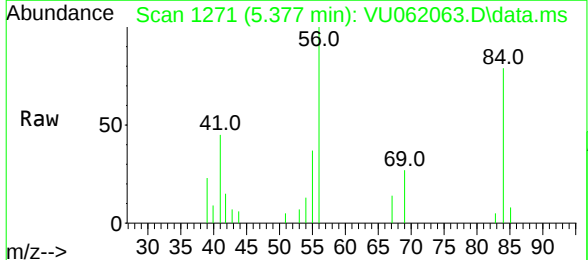
Manual Integrations
APPROVED

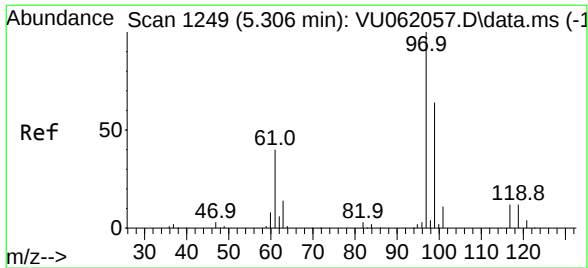
Reviewed By :Mahesh Dadoda 12/02/2024
Supervised By :Semsettin Yesilyurt 12/02/2024



#29
Cyclohexane
Concen: 2.323 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. -0.003 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

Tgt Ion:	56	Resp:	4290
Ion	Ratio	Lower	Upper
56	100		
69	29.4	27.1	40.7
84	88.6	72.1	108.1





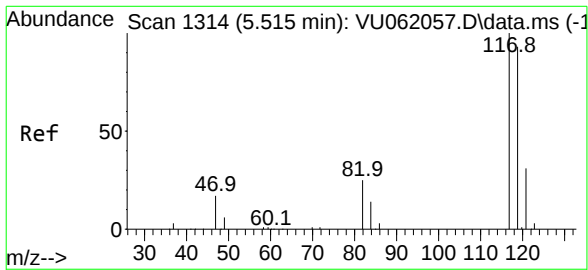
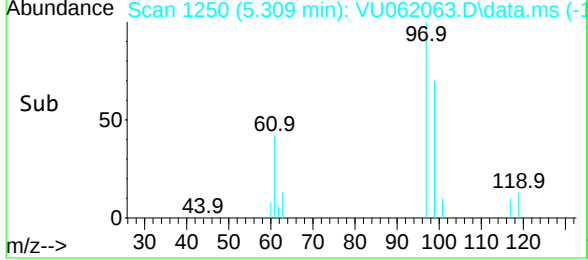
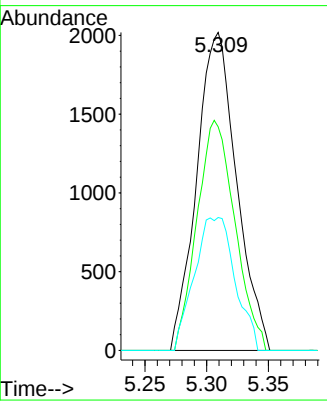
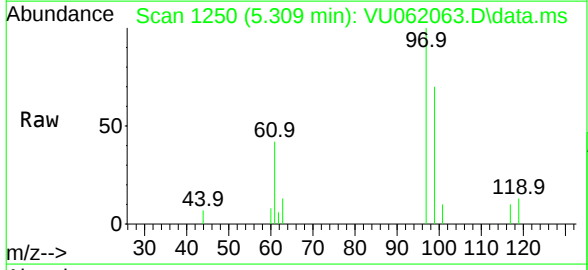
#30
 1,1,1-Trichloroethane
 Concen: 2.173 ug/L
 RT: 5.309 min Scan# 1249
 Delta R.T. 0.003 min
 Lab File: VU062063.D
 Acq: 27 Nov 2024 19:54

Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-QT4-2024-07

Tgt Ion:	97	Resp:	4544
Ion	Ratio	Lower	Upper
97	100		
99	68.8	52.0	78.0
61	22.4	32.6	48.8

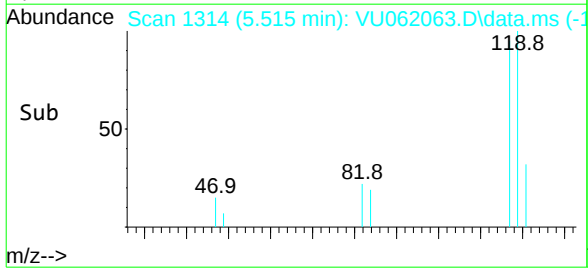
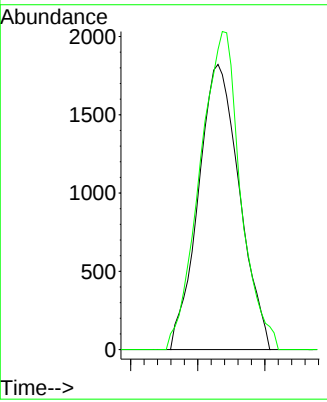
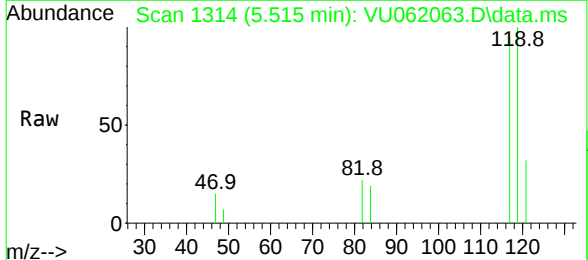
Manual Integrations
 APPROVED

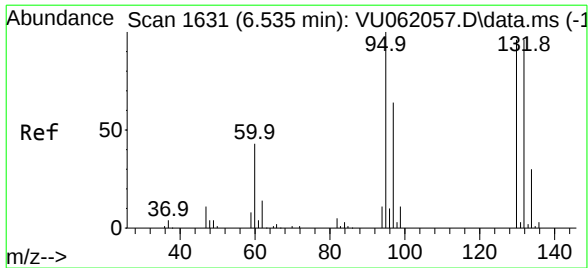
Reviewed By :Mahesh Dadoda 12/02/2024
 Supervised By :Semsettin Yesilyurt 12/02/2024



#31
 Carbon tetrachloride
 Concen: 2.076 ug/L
 RT: 5.515 min Scan# 1314
 Delta R.T. -0.000 min
 Lab File: VU062063.D
 Acq: 27 Nov 2024 19:54

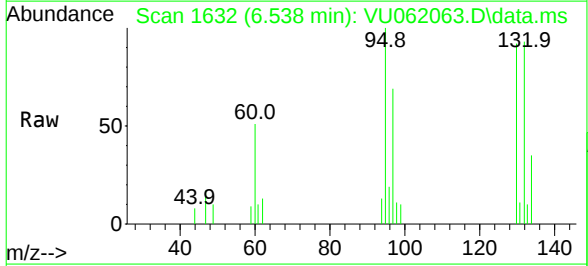
Tgt Ion:	117	Resp:	3880
Ion	Ratio	Lower	Upper
117	100		
119	110.4	77.0	115.6





#34
Trichloroethene
Concen: 2.390 ug/L
RT: 6.538 min Scan# 1631
Delta R.T. 0.003 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

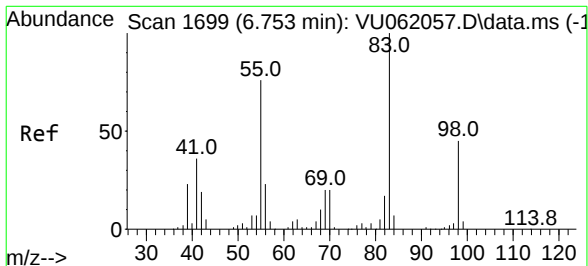
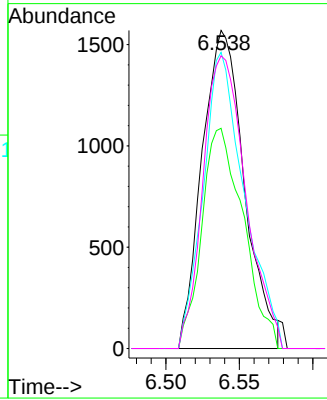
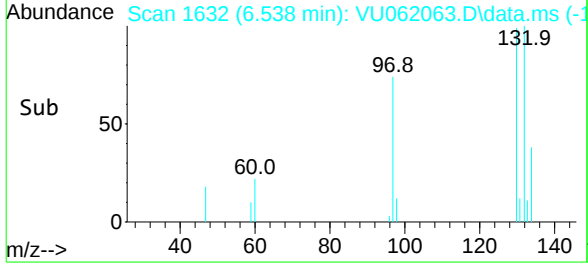
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2024-07



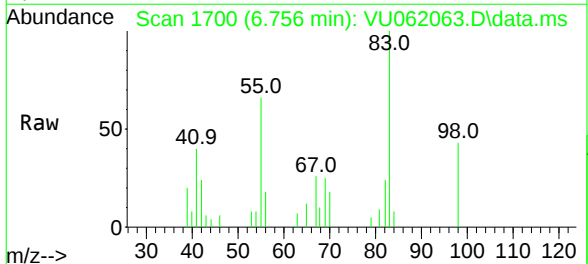
Tgt Ion: 95 Resp: 3139
Ion Ratio Lower Upper
95 100
97 69.2 44.6 82.8
132 103.1 67.3 124.9
130 102.9 67.2 124.8

Manual Integrations
APPROVED

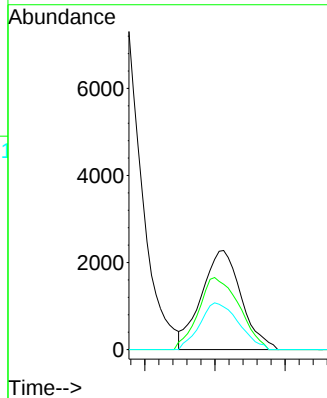
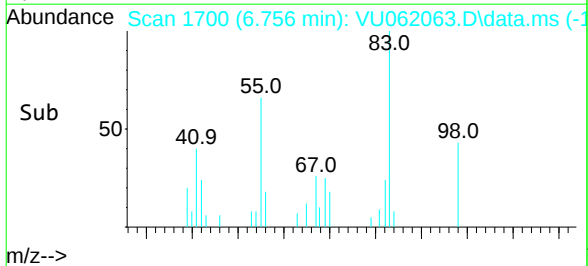
Reviewed By :Mahesh Dadoda 12/02/2024
Supervised By :Semsettin Yesilyurt 12/02/2024

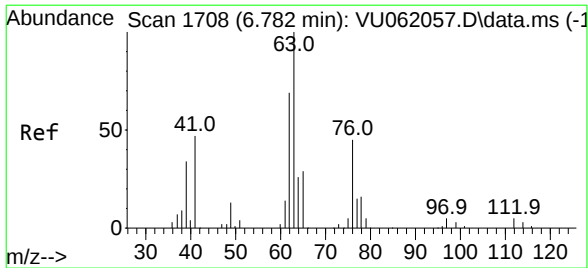


#35
Methylcyclohexane
Concen: 2.255 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.003 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54



Tgt Ion: 83 Resp: 4490
Ion Ratio Lower Upper
83 100
55 74.5 60.1 90.1
98 46.0 35.8 53.8





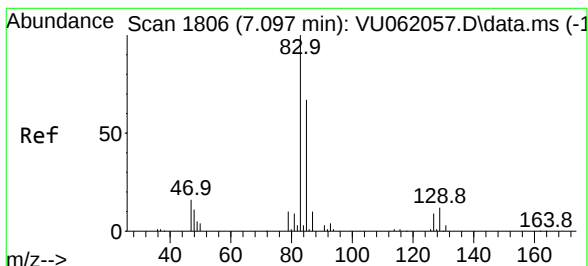
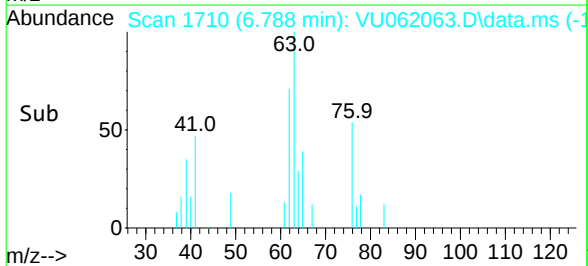
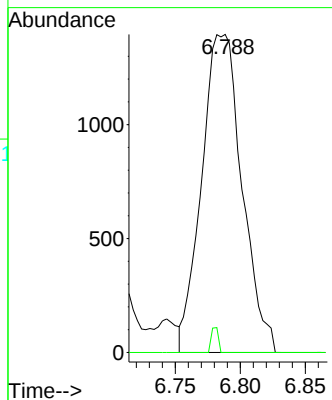
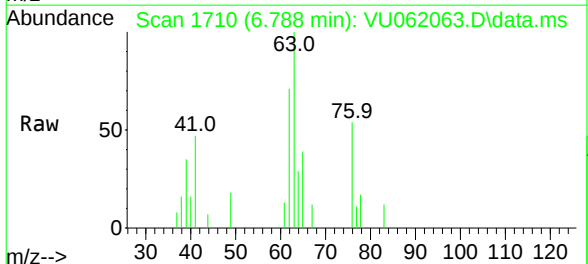
#37
1,2-Dichloropropane
Concen: 2.367 ug/L m
RT: 6.788 min Scan# 17
Delta R.T. 0.006 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-07

Tgt Ion: 63 Resp: 3013
Ion Ratio Lower Upper
63 100
112 1.4 3.1 4.7#

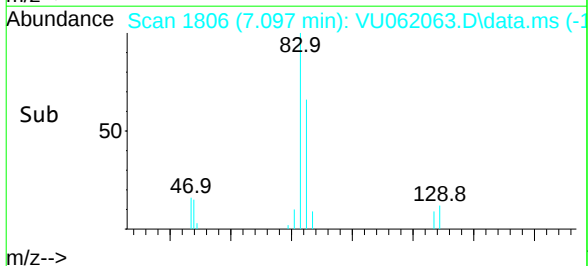
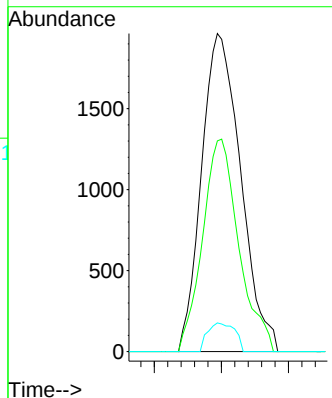
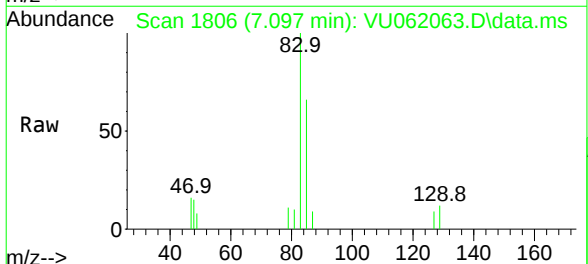
Manual Integrations
APPROVED

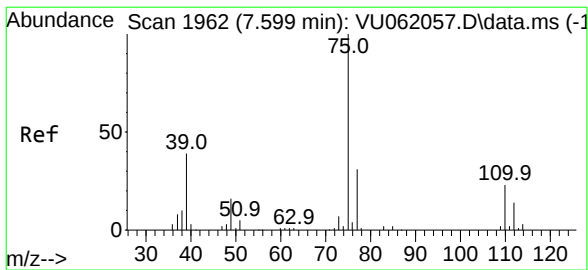
Reviewed By :Mahesh Dadoda 12/02/2024
Supervised By :Semsettin Yesilyurt 12/02/2024



#38
Bromodichloromethane
Concen: 2.317 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

Tgt Ion: 83 Resp: 3974
Ion Ratio Lower Upper
83 100
85 66.2 46.8 87.0
127 9.0 6.8 10.2





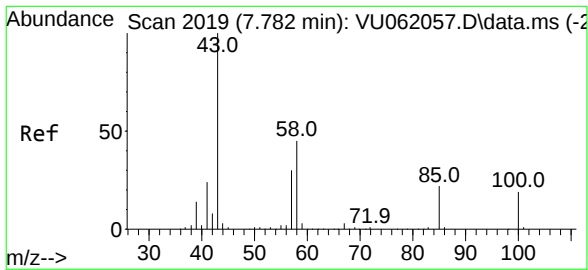
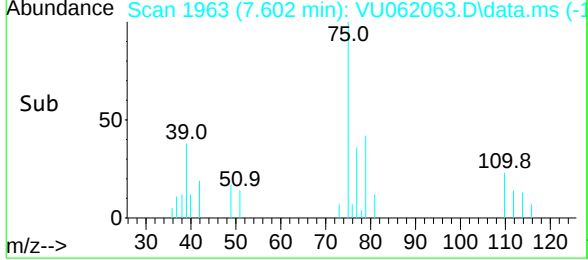
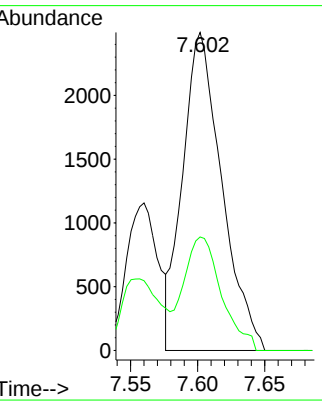
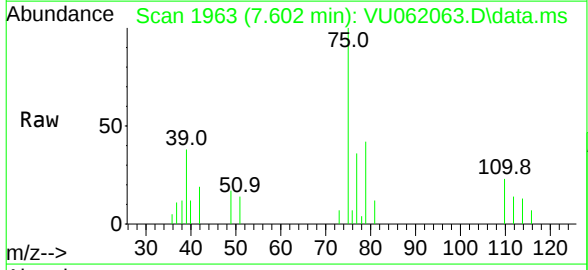
#39
 cis-1,3-Dichloropropene
 Concen: 2.461 ug/L
 RT: 7.602 min Scan# 1962
 Delta R.T. 0.003 min
 Lab File: VU062063.D
 Acq: 27 Nov 2024 19:54

Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-QT4-2024-07

Tgt Ion:	75	Resp:	5058
Ion Ratio	Lower	Upper	
75	100		
77	35.7	21.6	40.2

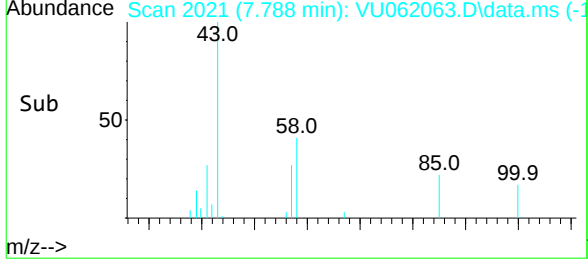
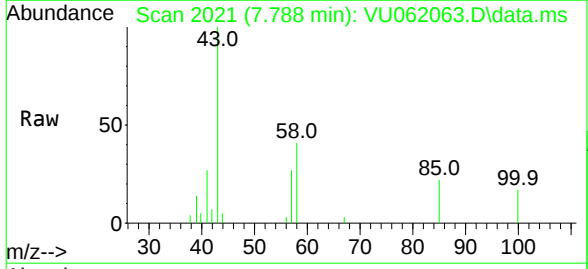
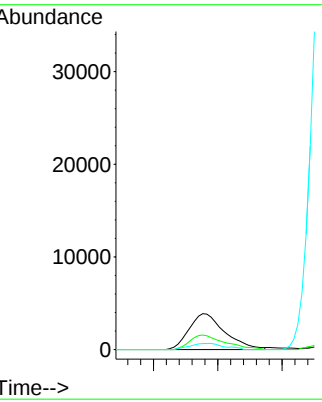
Manual Integrations
APPROVED

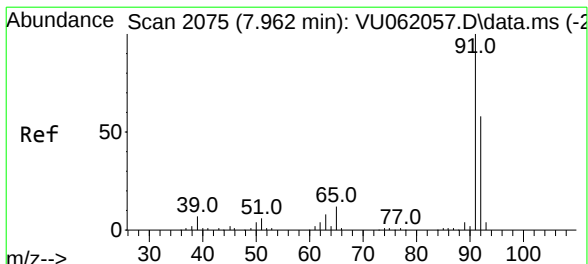
Reviewed By :Mahesh Dadoda 12/02/2024
 Supervised By :Semsettin Yesilyurt 12/02/2024



#40
 4-Methyl-2-pentanone
 Concen: 4.702 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. 0.006 min
 Lab File: VU062063.D
 Acq: 27 Nov 2024 19:54

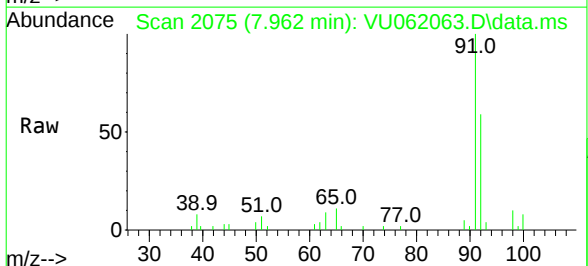
Tgt Ion:	43	Resp:	7476
Ion Ratio	Lower	Upper	
43	100		
58	39.6	35.7	53.5
100	14.6	14.6	21.8





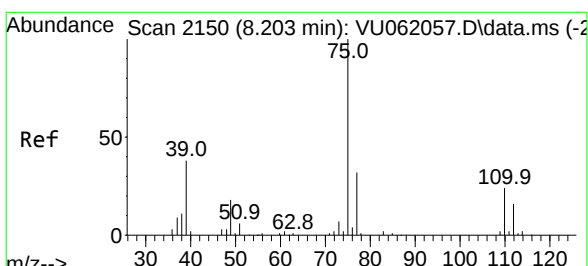
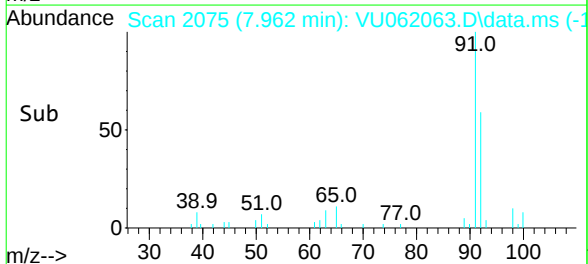
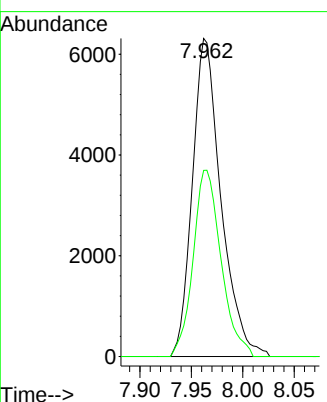
#42
Toluene
Concen: 2.375 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. -0.000 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2024-07



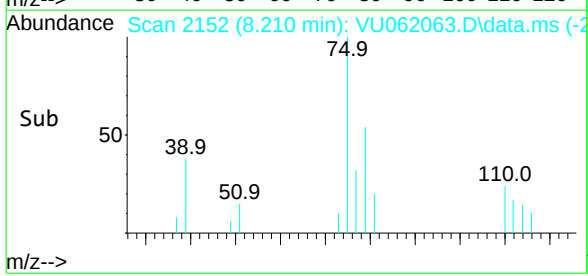
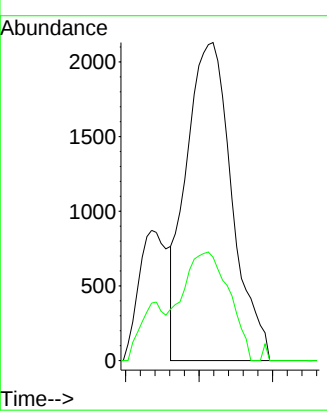
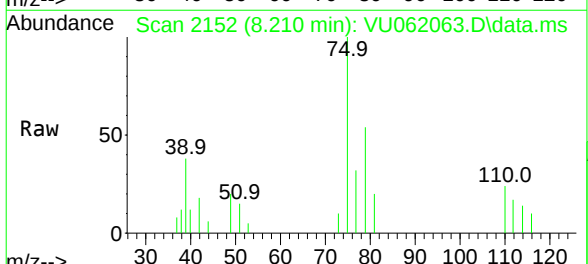
Tgt Ion:	91	Resp:	12214
Ion	Ratio	Lower	Upper
91	100		
92	58.5	40.5	75.3

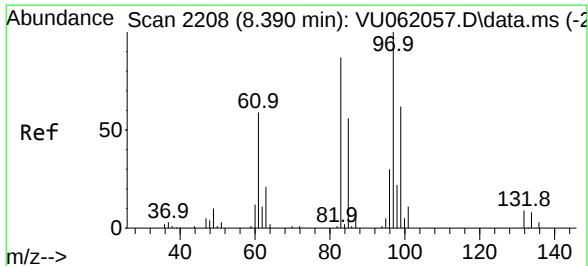
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 12/02/2024
Supervised By :Semsettin Yesilyurt 12/02/2024



#44
trans-1,3-Dichloropropene
Concen: 2.424 ug/L
RT: 8.210 min Scan# 2152
Delta R.T. 0.006 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

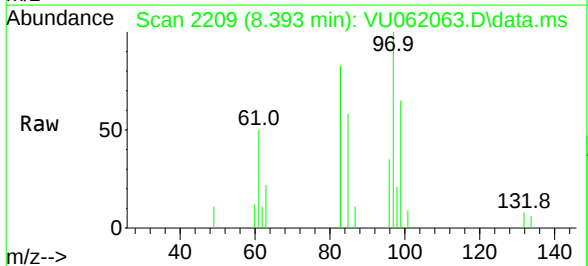
Tgt Ion:	75	Resp:	4607
Ion	Ratio	Lower	Upper
75	100		
77	32.5	22.4	41.6





#45
1,1,2-Trichloroethane
Concen: 2.322 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

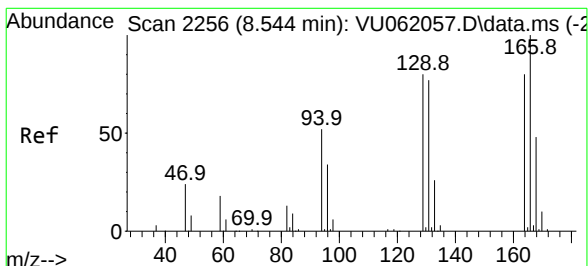
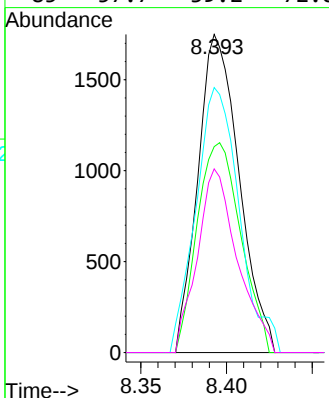
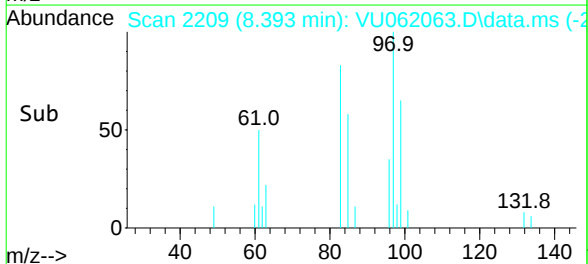
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2024-07



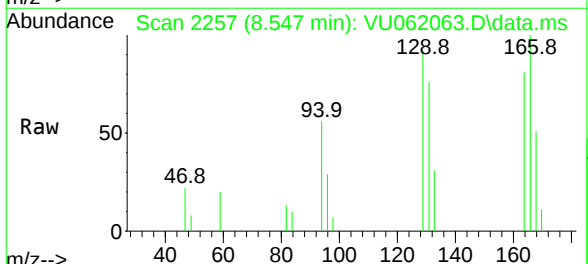
Tgt Ion:	97	Resp:	2933
Ion	Ratio	Lower	Upper
97	100		
99	64.7	43.5	80.7
83	83.3	60.8	113.0
85	57.7	39.2	72.8

Manual Integrations
APPROVED

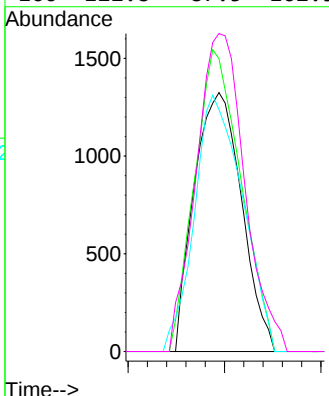
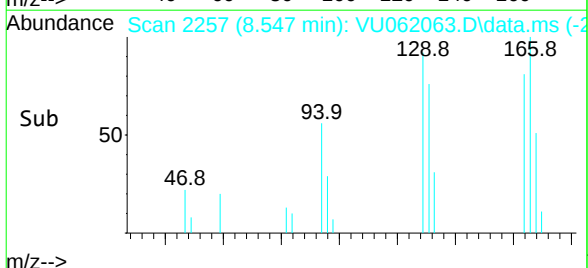
Reviewed By :Mahesh Dadoda 12/02/2024
Supervised By :Semsettin Yesilyurt 12/02/2024

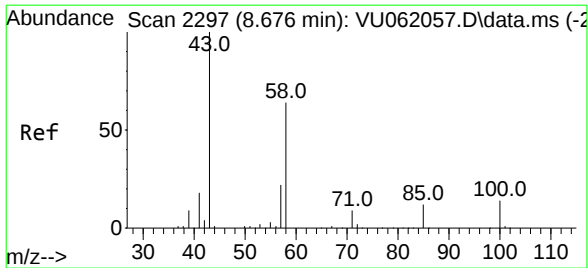


#46
Tetrachloroethene
Concen: 2.264 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54



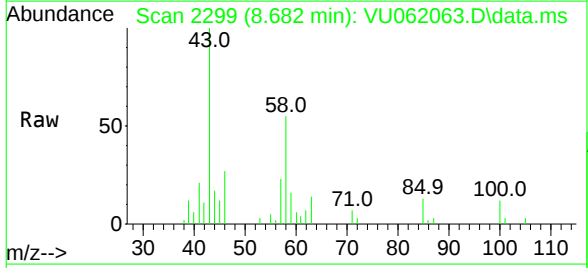
Tgt Ion:	164	Resp:	2260
Ion	Ratio	Lower	Upper
164	100		
129	113.1	70.4	130.8
131	93.4	67.8	125.8
166	122.8	87.5	162.5





#48
2-Hexanone
Concen: 8.613 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.006 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

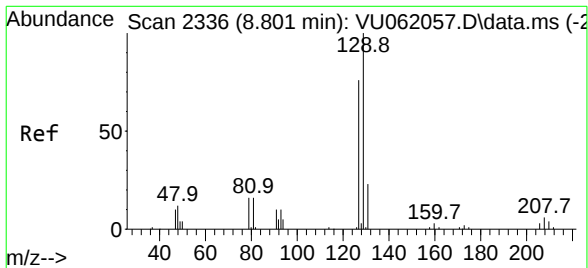
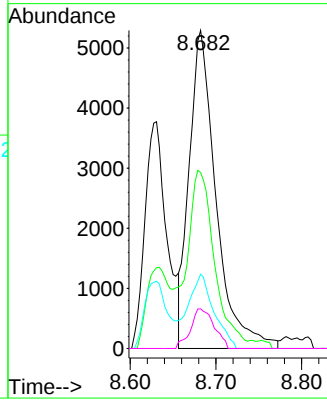
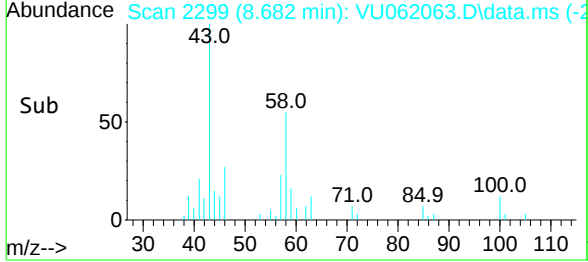
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion: 43 Resp: 11544
Ion Ratio Lower Upper
43 100
58 49.5 51.7 77.5#
57 21.1 18.5 27.7
100 10.9 11.3 16.9#

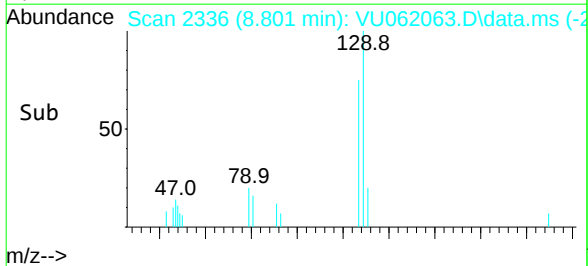
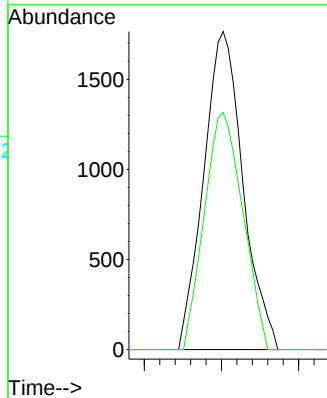
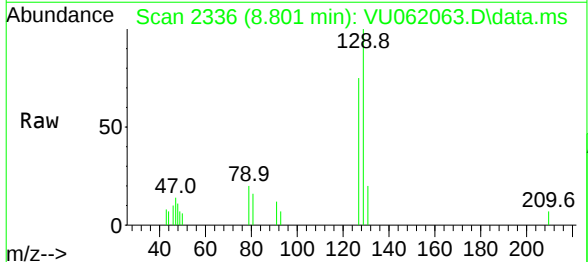
Manual Integrations
APPROVED

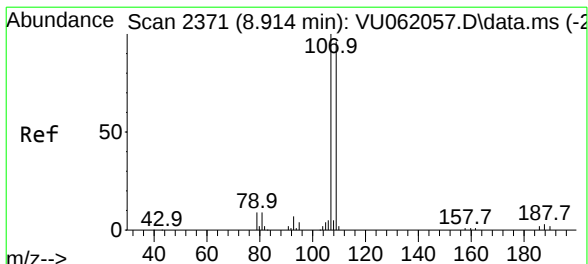
Reviewed By :Mahesh Dadoda 12/02/2024
Supervised By :Semsettin Yesilyurt 12/02/2024



#49
Dibromochloromethane
Concen: 2.362 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

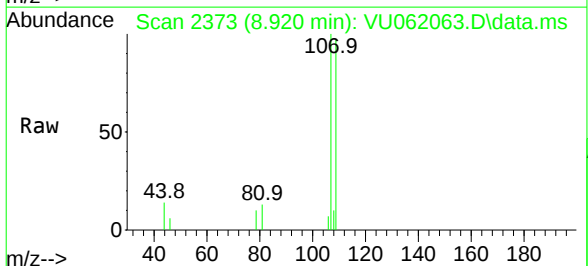
Tgt Ion:129 Resp: 3118
Ion Ratio Lower Upper
129 100
127 74.6 53.3 99.1





#50
1,2-Dibromoethane
Concen: 2.306 ug/L
RT: 8.920 min Scan# 2371
Delta R.T. 0.006 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

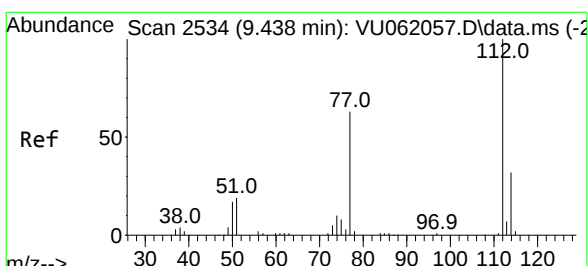
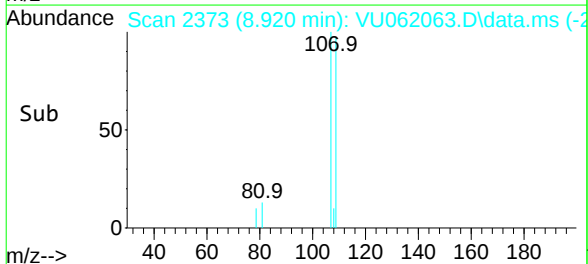
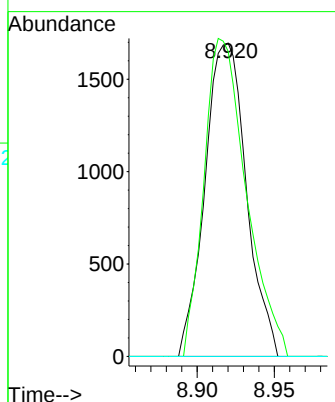
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion:	107	Resp:	3164
Ion Ratio	Lower	Upper	
107	100		
109	97.3	67.1	124.7
188	0.0	2.6	4.0

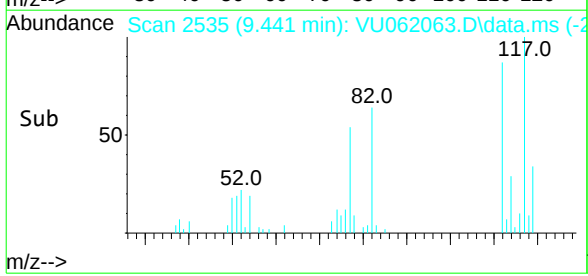
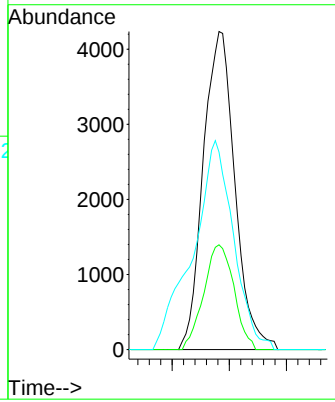
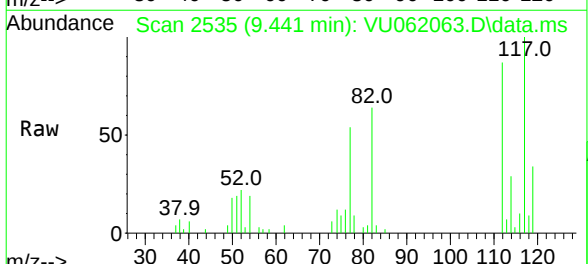
Manual Integrations
APPROVED

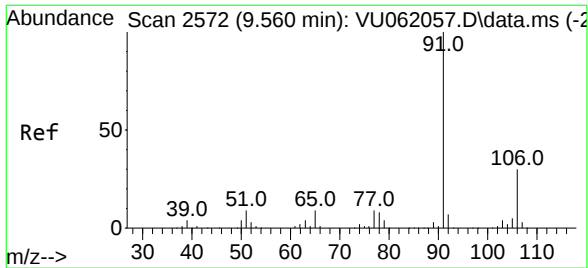
Reviewed By :Mahesh Dadoda 12/02/2024
Supervised By :Semsettin Yesilyurt 12/02/2024



#51
Chlorobenzene
Concen: 2.506 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

Tgt Ion:	112	Resp:	8141
Ion Ratio	Lower	Upper	
112	100		
114	35.8	22.0	41.0
77	62.1	50.8	76.2





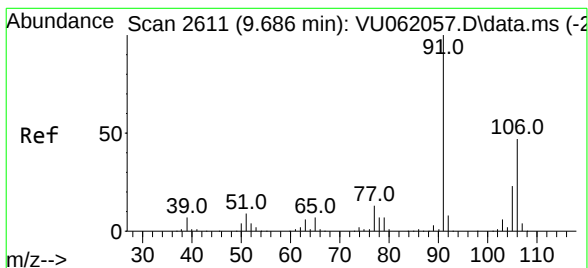
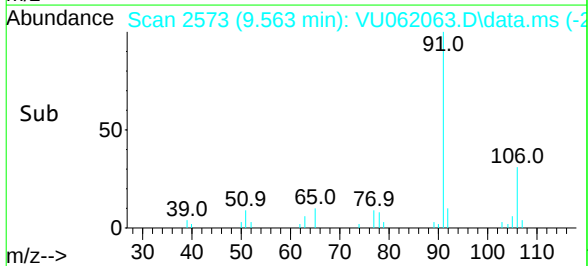
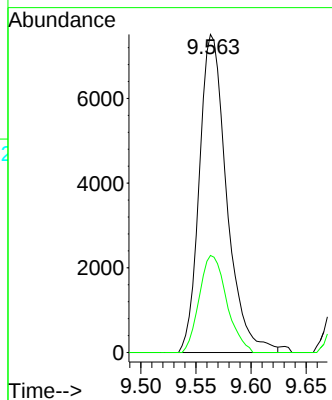
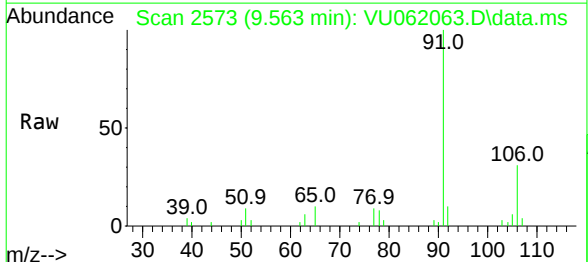
#52
Ethylbenzene
Concen: 2.297 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.003 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2024-07

Tgt Ion: 91 Resp: 12976
Ion Ratio Lower Upper
91 100
106 30.5 20.8 38.6

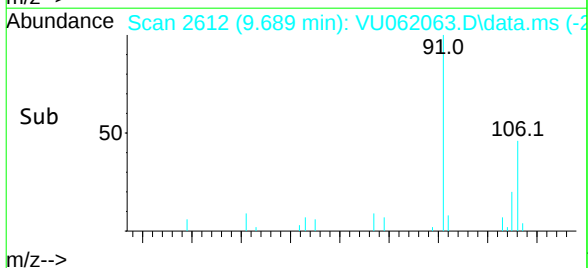
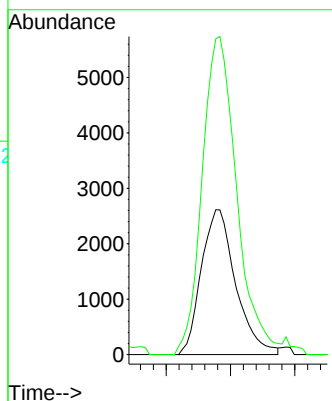
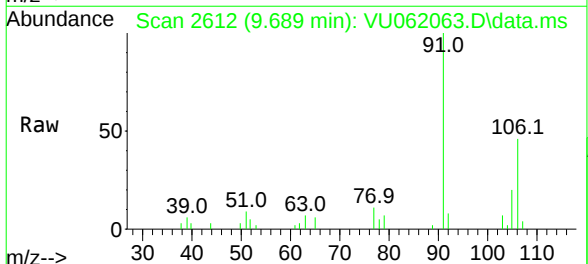
Manual Integrations
APPROVED

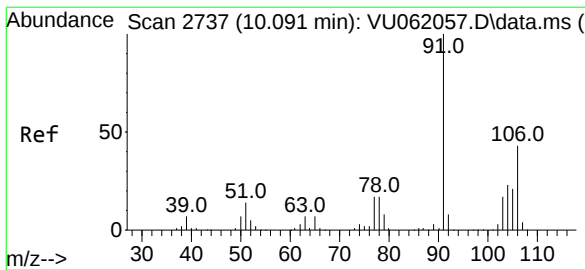
Reviewed By :Mahesh Dadoda 12/02/2024
Supervised By :Semsettin Yesilyurt 12/02/2024



#53
m,p-Xylene
Concen: 2.326 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.003 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

Tgt Ion:106 Resp: 4859
Ion Ratio Lower Upper
106 100
91 218.0 147.9 274.7





#54

o-Xylene

Concen: 2.247 ug/L

RT: 10.094 min Scan# 2737

Delta R.T. 0.003 min

Lab File: VU062063.D

Acq: 27 Nov 2024 19:54

Instrument :

MSVOA_U

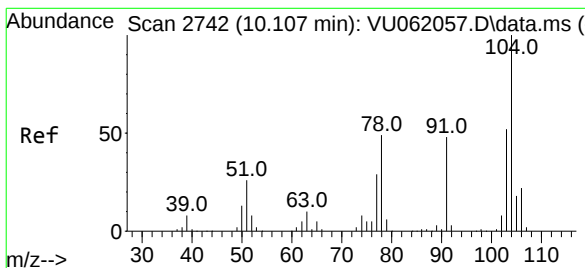
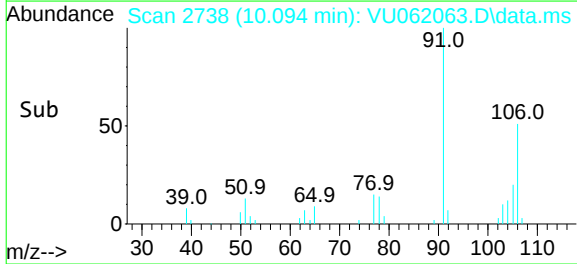
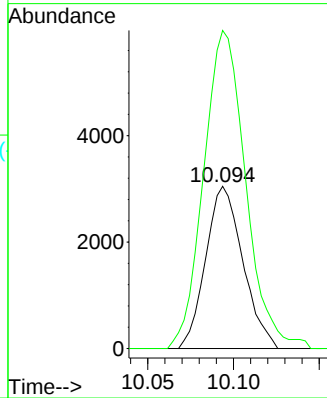
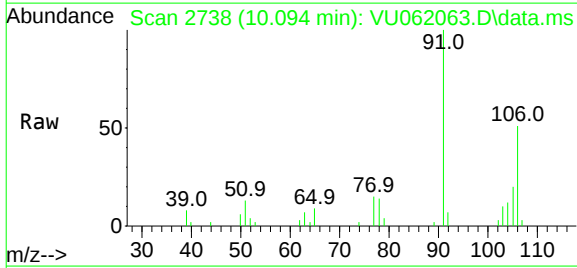
ClientSampleId :

MDL-WATER-QT4-2024-07

Tgt Ion:106 Resp: 4591
 Ion Ratio Lower Upper
 106 100
 91 184.0 161.0 299.0

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/02/2024
 Supervised By :Semsettin Yesilyurt 12/02/2024



#55

Styrene

Concen: 2.106 ug/L

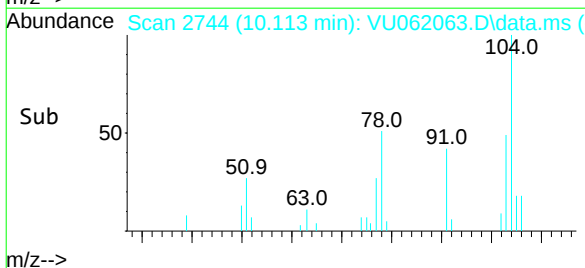
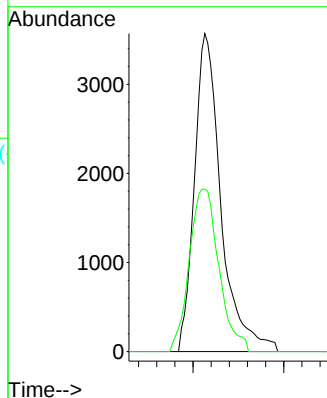
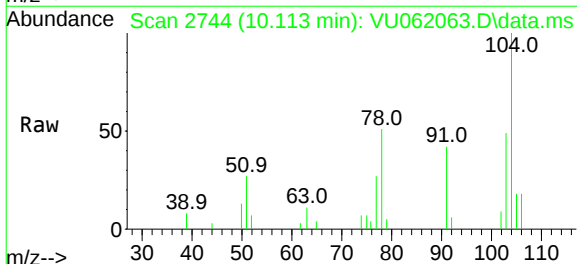
RT: 10.113 min Scan# 2744

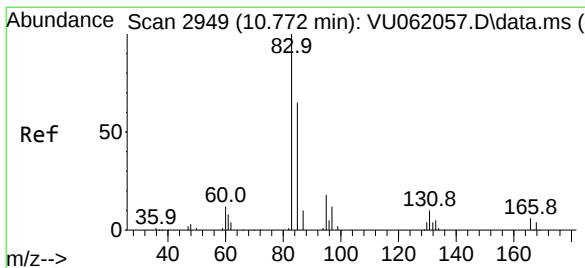
Delta R.T. 0.006 min

Lab File: VU062063.D

Acq: 27 Nov 2024 19:54

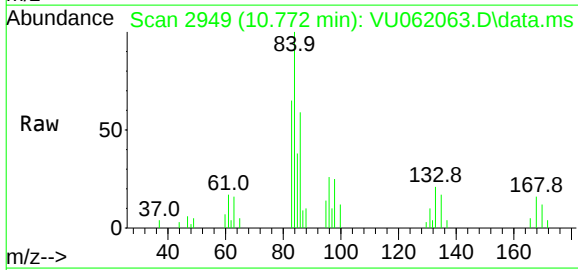
Tgt Ion:104 Resp: 7241
 Ion Ratio Lower Upper
 104 100
 78 51.0 34.5 64.1





#57
1,1,2,2-Tetrachloroethane
Concen: 2.577 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

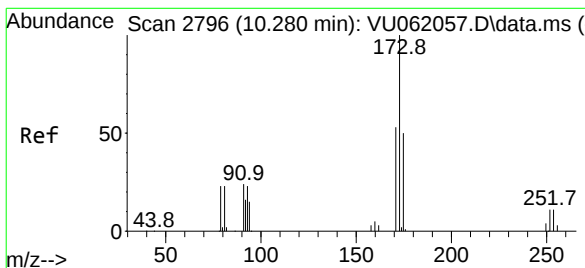
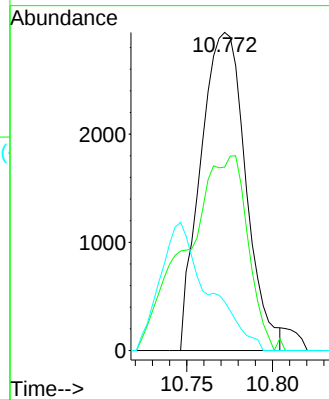
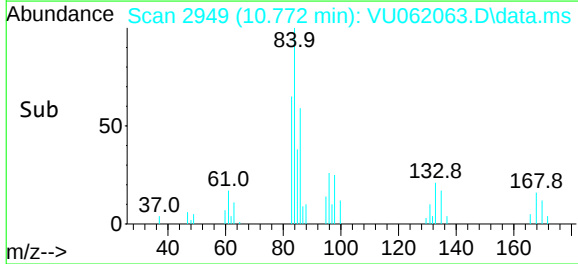
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2024-07



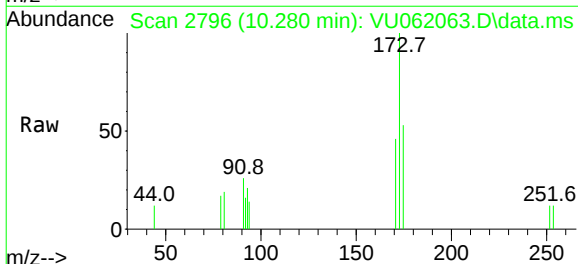
Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.7	46.5	86.3
131	15.3	8.4	12.6

Manual Integrations
APPROVED

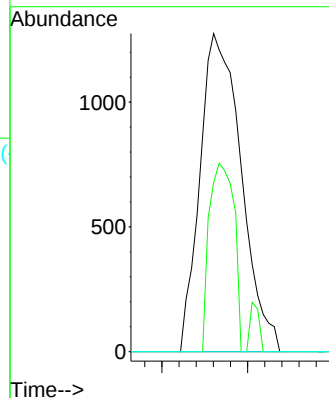
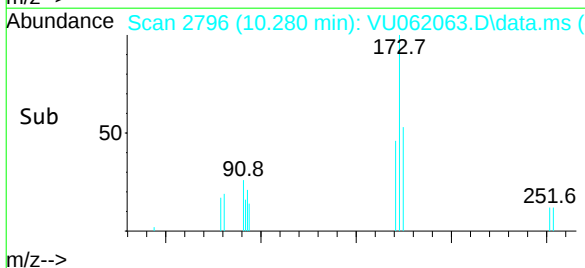
Reviewed By :Mahesh Dadoda 12/02/2024
Supervised By :Semsettin Yesilyurt 12/02/2024

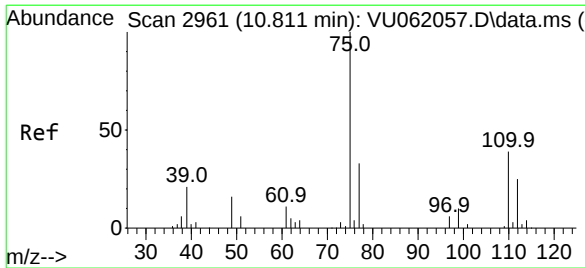


#59
Bromoform
Concen: 2.258 ug/L
RT: 10.280 min Scan# 2796
Delta R.T. -0.000 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54



Tgt Ion	Ratio	Lower	Upper
173	100		
175	35.5	39.2	58.8
254	0.0	1.7	2.5





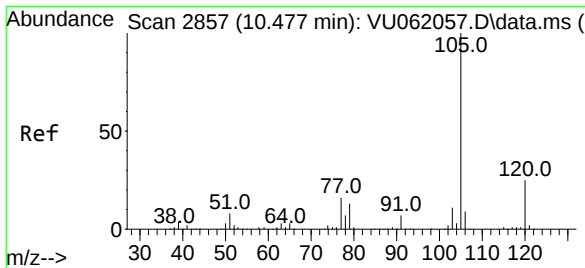
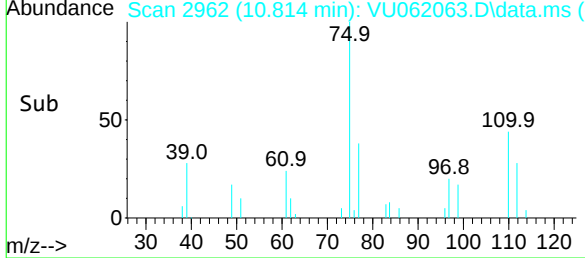
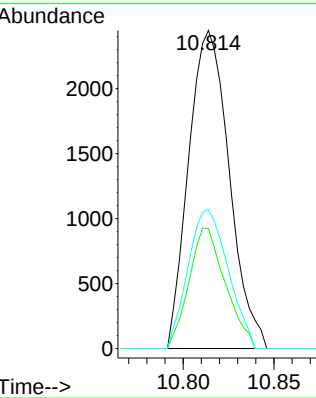
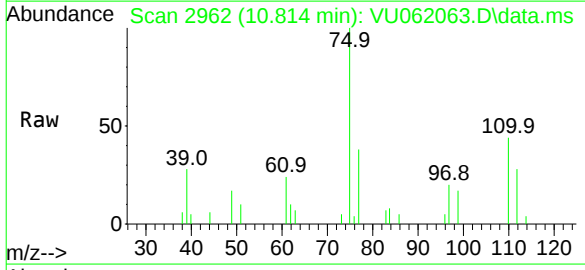
#60
1,2,3-Trichloropropane
Concen: 2.485 ug/L
RT: 10.814 min Scan# 2961
Delta R.T. 0.003 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.0	26.2	39.4
110	43.1	30.7	46.1

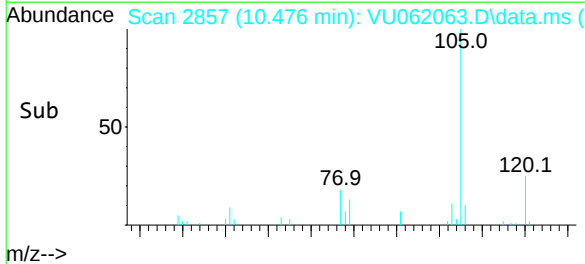
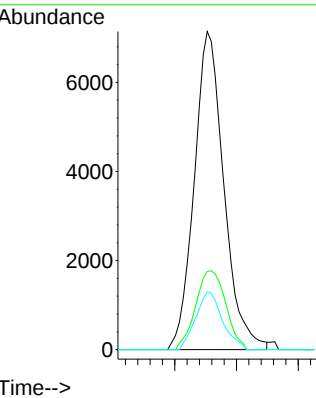
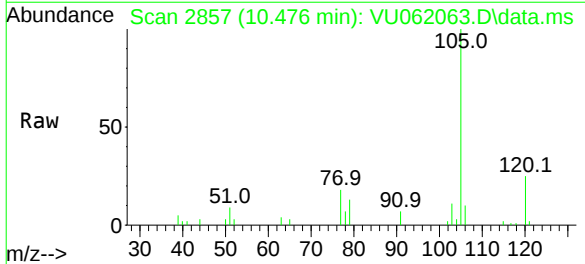
Manual Integrations
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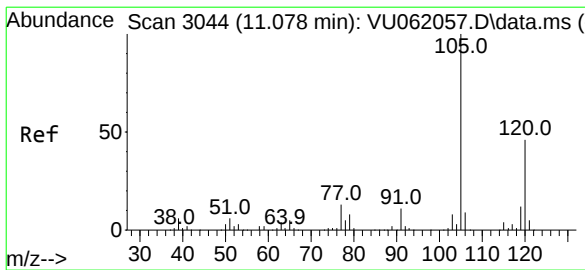
Reviewed By :Mahesh Dadoda 12/02/2024
Supervised By :Semsettin Yesilyurt 12/02/2024



#61
Isopropylbenzene
Concen: 2.363 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. -0.000 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.0	30.0
77	16.4	13.1	19.7





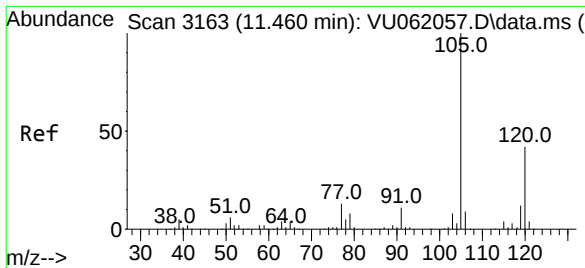
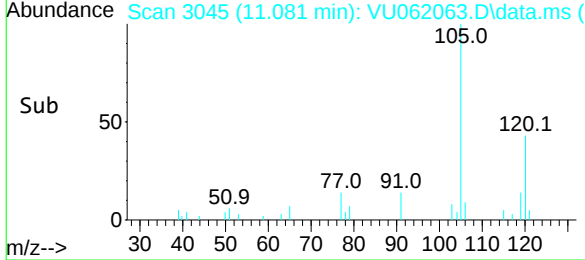
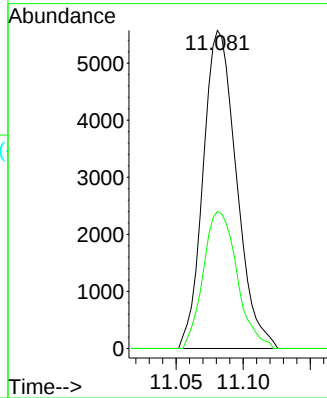
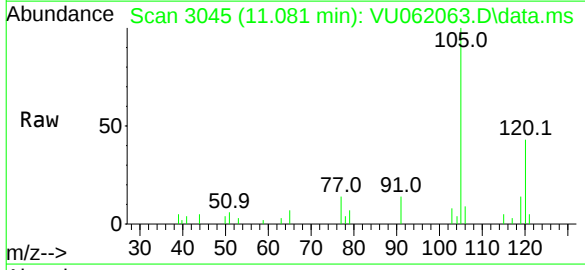
#62
1,3,5-Trimethylbenzene
Concen: 2.239 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. 0.003 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2024-07

Tgt Ion:105 Resp: 9610
Ion Ratio Lower Upper
105 100
120 43.7 37.0 55.6

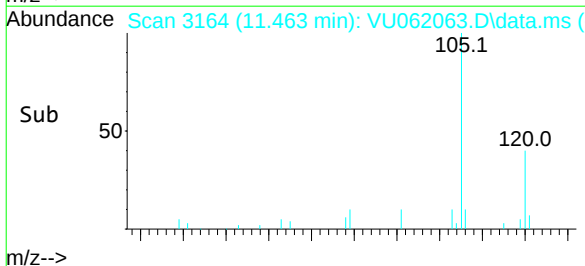
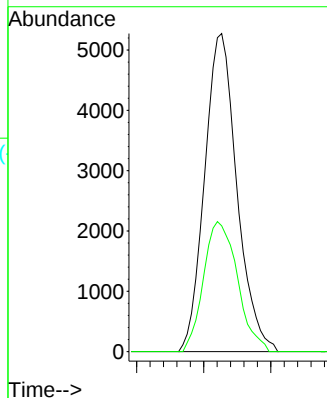
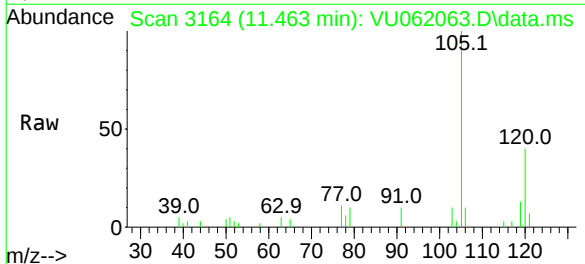
Manual Integrations
APPROVED

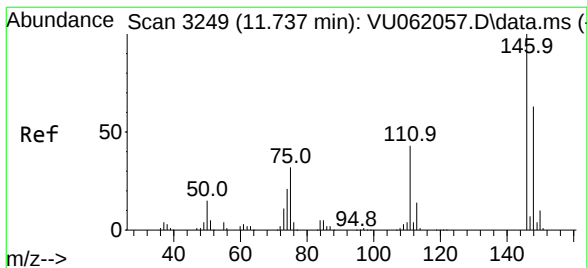
Reviewed By :Mahesh Dadoda 12/02/2024
Supervised By :Semsettin Yesilyurt 12/02/2024



#63
1,2,4-Trimethylbenzene
Concen: 2.135 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VU062063.D
Acq: 27 Nov 2024 19:54

Tgt Ion:105 Resp: 8825
Ion Ratio Lower Upper
105 100
120 42.9 33.8 50.8





#64

1,3-Dichlorobenzene

Concen: 2.613 ug/L

RT: 11.743 min Scan# 3249

Delta R.T. 0.006 min

Lab File: VU062063.D

Acq: 27 Nov 2024 19:54

Instrument :

MSVOA_U

ClientSampleId :

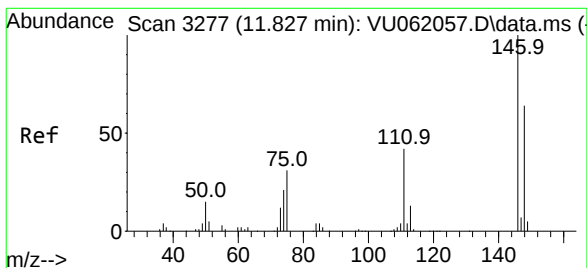
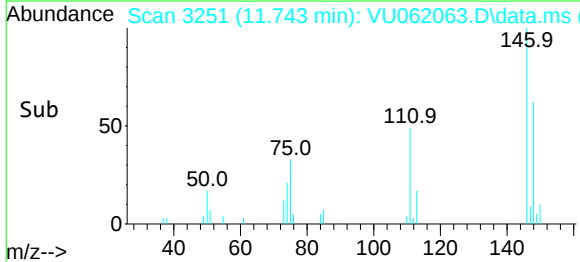
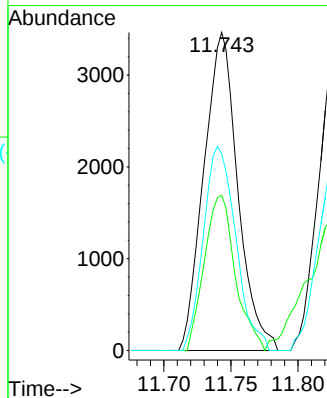
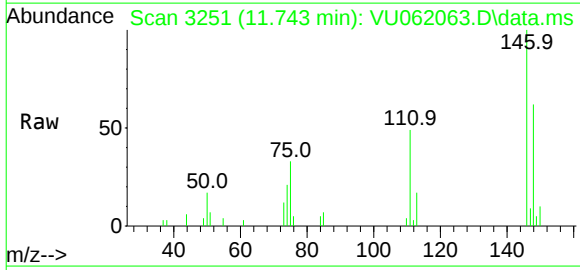
MDL-WATER-QT4-2024-07

Tgt Ion:	146	Resp:	6088
Ion Ratio	Lower	Upper	
146	100		
111	48.8	29.8	55.4
148	66.4	44.4	82.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 12/02/2024
Supervised By :Semsettin Yesilyurt 12/02/2024



#65

1,4-Dichlorobenzene

Concen: 2.766 ug/L

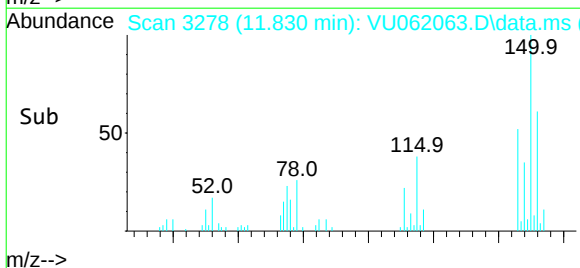
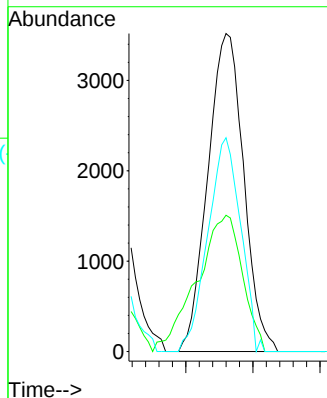
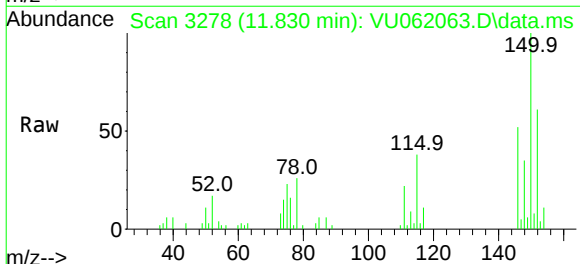
RT: 11.830 min Scan# 3278

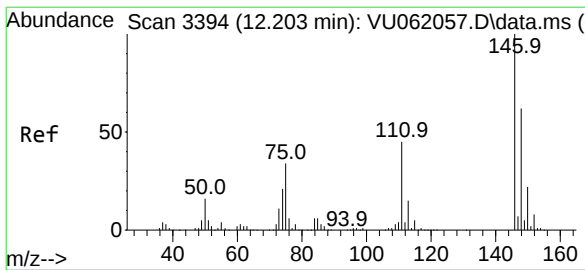
Delta R.T. 0.003 min

Lab File: VU062063.D

Acq: 27 Nov 2024 19:54

Tgt Ion:	146	Resp:	6541
Ion Ratio	Lower	Upper	
146	100		
111	42.9	29.4	54.6
148	67.2	44.6	82.8





#67

1,2-Dichlorobenzene

Concen: 2.579 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. -0.000 min

Lab File: VU062063.D

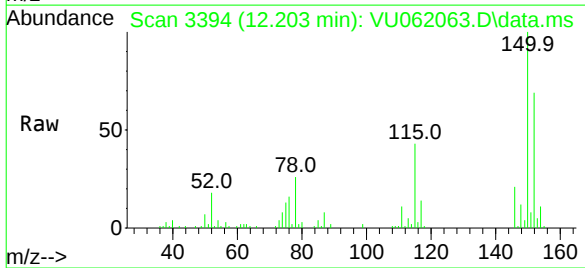
Acq: 27 Nov 2024 19:54

Instrument :

MSVOA_U

ClientSampleId :

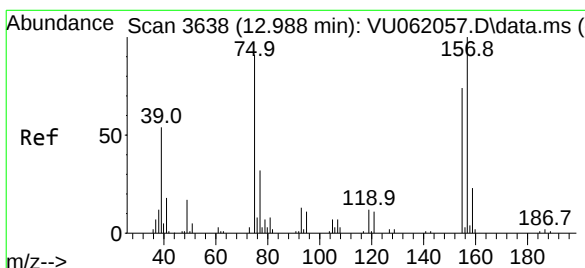
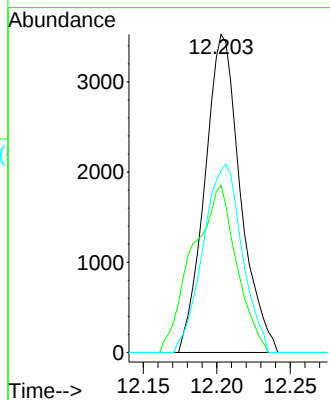
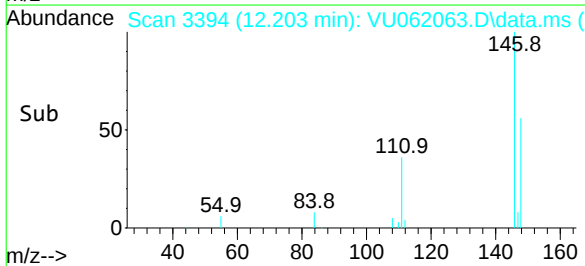
MDL-WATER-QT4-2024-07



Tgt Ion:	146	Resp:	5936
Ion	Ratio	Lower	Upper
146	100		
111	52.6	36.1	54.1
148	57.2	49.8	74.6

Manual Integrations
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Reviewed By :Mahesh Dadoda 12/02/2024
Supervised By :Semsettin Yesilyurt 12/02/2024



#68

1,2-Dibromo-3-chloropropane

Concen: 2.347 ug/L

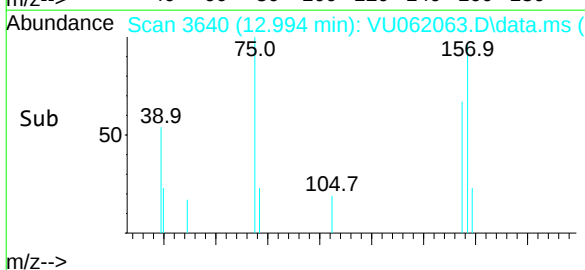
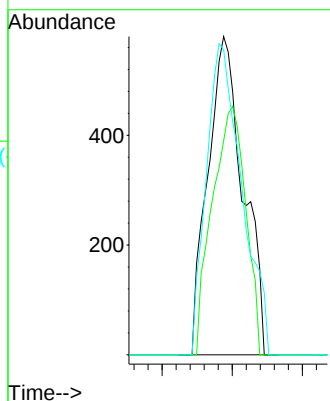
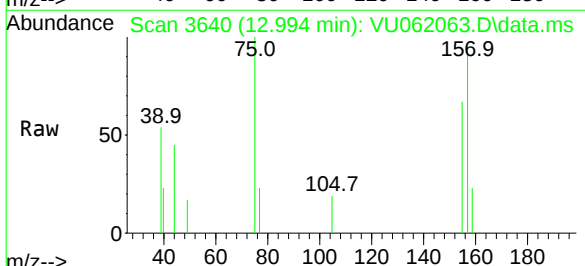
RT: 12.994 min Scan# 3640

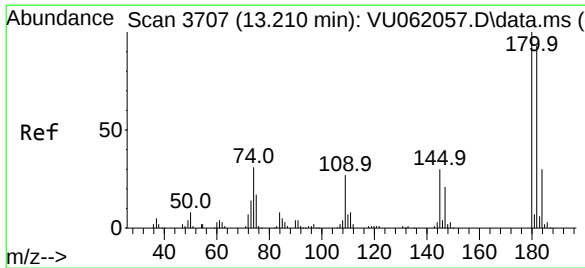
Delta R.T. 0.006 min

Lab File: VU062063.D

Acq: 27 Nov 2024 19:54

Tgt Ion:	75	Resp:	1012
Ion	Ratio	Lower	Upper
75	100		
155	67.2	65.1	97.7
157	95.9	91.2	136.8





#69

1,3,5-Trichlorobenzene

Concen: 2.438 ug/L

RT: 13.216 min Scan# 3707

Delta R.T. 0.006 min

Lab File: VU062063.D

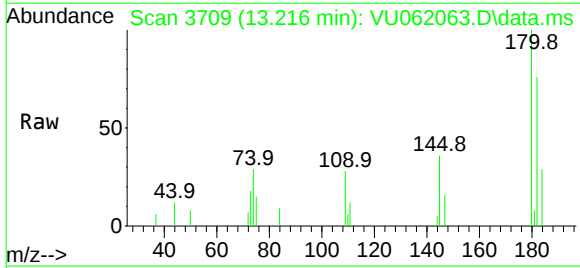
Acq: 27 Nov 2024 19:54

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2024-07



Tgt Ion:180 Resp: 3999

Ion Ratio Lower Upper

180 100

182 87.7 74.6 112.0

184 25.9 24.2 36.2

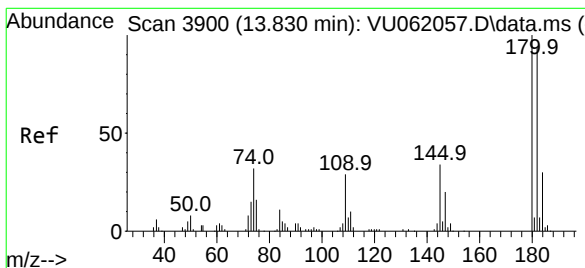
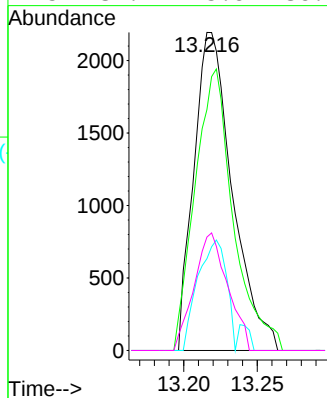
145 32.2 25.8 38.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 12/02/2024

Supervised By :Semsettin Yesilyurt 12/02/2024



#70

1,2,4-trichlorobenzene

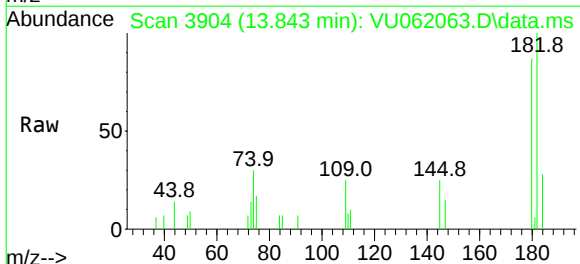
Concen: 2.168 ug/L m

RT: 13.843 min Scan# 3904

Delta R.T. 0.013 min

Lab File: VU062063.D

Acq: 27 Nov 2024 19:54



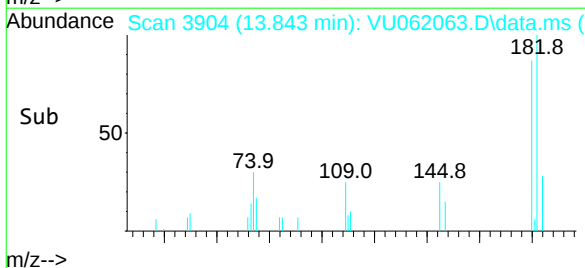
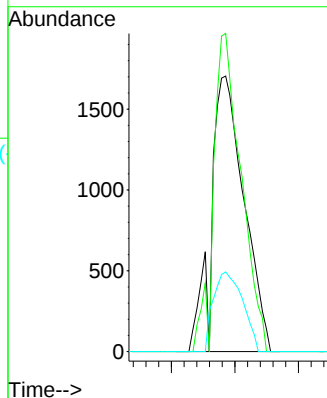
Tgt Ion:180 Resp: 3036

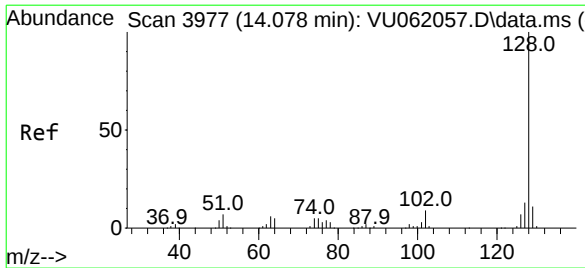
Ion Ratio Lower Upper

180 100

182 91.8 76.6 114.8

145 26.0 27.1 40.7#





#71

Naphthalene

Concen: 2.236 ug/L m

RT: 14.094 min Scan# 39

Delta R.T. 0.016 min

Lab File: VU062063.D

Acq: 27 Nov 2024 19:54

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2024-07

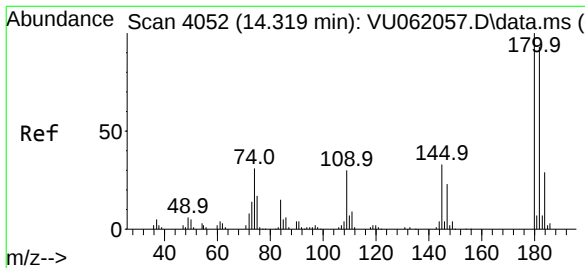
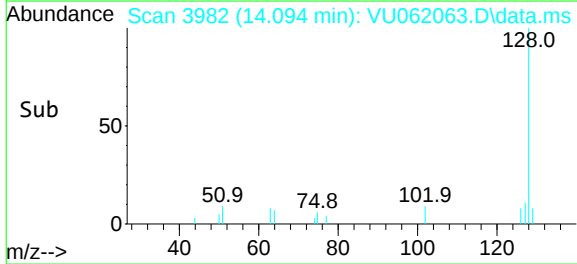
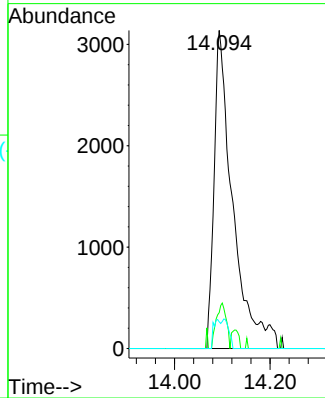
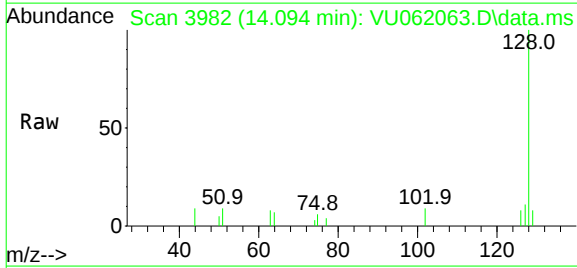
Tgt Ion:	128	Resp:	8482
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.3	15.5#
129	2.4	8.5	12.7#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/02/2024

Supervised By :Semsettin Yesilyurt 12/02/2024



#72

1,2,3-Trichlorobenzene

Concen: 2.221 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.009 min

Lab File: VU062063.D

Acq: 27 Nov 2024 19:54

Tgt Ion:	180	Resp:	3002
Ion Ratio	Lower	Upper	
180	100		
182	95.9	75.8	113.6
145	31.9	27.4	41.0

