

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101122\
 Data File : VU051374.D
 Acq On : 11 Oct 2022 16:03
 Operator : JC/MD
 Sample : N4519-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Oct 11 23:55:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 11 23:36:07 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa
 Patel

10/12/2022
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	192865	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	220646	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	85648	5.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.597	65	42813	2.752	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	55.000%
7) Chloroethane-d5	1.909	69	48465	3.626	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.600%
11) 1,1-Dichloroethene-d2	2.565	65	20890	3.397	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.000%
20) 2-Butanone-d5	4.626	46	203577	59.435	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.860%
24) Chloroform-d	5.060	84	138096	4.761	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	5.700	65	75615	5.055	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.200%
32) Benzene-d6	5.726	84	230689	3.801	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.000%
36) 1,2-Dichloropropane-d6	6.690	67	89788	4.356	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.200%
41) Toluene-d8	7.896	98	175905	3.239	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	64.800%#
43) trans-1,3-Dichloroprop...	8.179	79	27168	4.011	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.200%
46) 2-Hexanone-d5	8.632	63	111284	48.753	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.500%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	82678	5.021	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	70785	4.755	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.385	85	3697	0.235	ug/L	94
3) Chloromethane	1.520	50	6070	0.275	ug/L	96
5) Vinyl chloride	1.600	62	4935	0.228	ug/L	89
6) Bromomethane	1.854	94	2606	0.221	ug/L	99
8) Chloroethane	1.932	64	3454	0.250	ug/L	95
9) Trichlorofluoromethane	2.134	101	5543	0.222	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	4179	0.279	ug/L	94
12) 1,1-Dichloroethene	2.575	96	3854	0.274	ug/L #	1
13) Acetone	2.642	43	6930	2.698	ug/L	99
14) Carbon disulfide	2.790	76	10408	0.242	ug/L #	95
15) Methyl Acetate	2.957	43	1789	0.286	ug/L #	76
16) Methylene chloride	3.041	84	18808	0.906	ug/L	97
17) Methyl tert-butyl Ether	3.366	73	7044	0.219	ug/L	93
18) trans-1,2-Dichloroethene	3.353	96	3435	0.232	ug/L	96
19) 1,1-Dichloroethane	3.864	63	7234	0.237	ug/L	90
21) 2-Butanone	4.719	43	10670m	2.635	ug/L	
22) cis-1,2-Dichloroethene	4.668	96	3853	0.235	ug/L	92
23) Bromochloromethane	4.973	128	1840	0.235	ug/L	86
27) 1,2-Dichloroethane	5.800	62	4880	0.255	ug/L #	83

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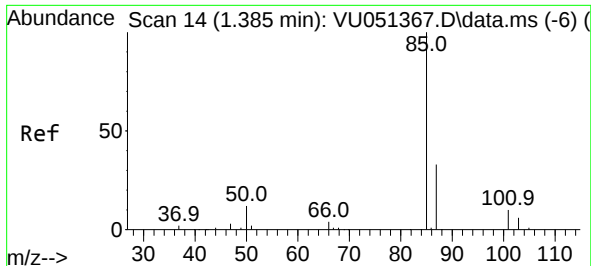
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 1,1,1-Trichloroethane	5.311	97	6082	0.230	ug/L	92
30) Cyclohexane	5.388	56	3871	0.173	ug/L	99
31) Carbon tetrachloride	5.523	117	4750	0.212	ug/L	97
33) Benzene	5.774	78	15624	0.212	ug/L	100
34) Trichloroethene	6.539	95	4143	0.225	ug/L	94
35) Methylcyclohexane	6.761	83	4017	0.173	ug/L	96
37) 1,2-Dichloropropane	6.793	63	4438	0.220	ug/L #	96
38) Bromodichloromethane	7.105	83	5604	0.233	ug/L	89
39) cis-1,3-Dichloropropene	7.607	75	5059	0.208	ug/L	96
40) 4-Methyl-2-pentanone	7.793	43	16843	1.590	ug/L #	85
44) trans-1,3-Dichloropropene	8.208	75	4110	0.196	ug/L	86
45) 1,1,2-Trichloroethane	8.401	97	3250	0.229	ug/L	94
48) 2-Hexanone	8.684	43	32151	4.077	ug/L	92
49) Dibromochloromethane	8.809	129	3651	0.229	ug/L	96
50) 1,2-Dibromoethane	8.922	107	3130	0.248	ug/L #	98
51) Chlorobenzene	9.446	112	10557	0.226	ug/L	97
52) Ethylbenzene	9.571	91	13123	0.187	ug/L	99
53) m,p-Xylene	9.690	106	4516	0.166	ug/L	99
54) o-Xylene	10.102	106	4186	0.162	ug/L	97
55) Styrene	10.118	104	6477	0.146	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.783	83	4616	0.263	ug/L #	88
59) Bromoform	10.291	173	1762	0.247	ug/L #	93
60) Isopropylbenzene	10.484	105	10499	0.194	ug/L	98
61) 1,2,3-Trichloropropane	10.819	75	2820	0.261	ug/L #	93
62) 1,3,5-Trimethylbenzene	11.086	105	2971	0.206	ug/L	88
63) 1,2,4-Trimethylbenzene	11.468	105	7388	0.182	ug/L	96
64) 1,3-Dichlorobenzene	11.745	146	6481	0.242	ug/L	92
65) 1,4-Dichlorobenzene	11.832	146	6255	0.236	ug/L	97
67) 1,2-Dichlorobenzene	12.211	146	6707	0.257	ug/L	91
68) 1,2-Dibromo-3-chloropr...	13.002	75	544	0.263	ug/L #	80
69) 1,3,5-Trichlorobenzene	13.221	180	4623	0.250	ug/L #	94
70) 1,2,4-trichlorobenzene	13.844	180	3431	0.261	ug/L #	86
71) Naphthalene	14.095	128	4640	0.190	ug/L	96
72) 1,2,3-Trichlorobenzene	14.327	180	2834	0.208	ug/L	97

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



#2
Dichlorodifluoromethane
Concen: 0.235 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

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

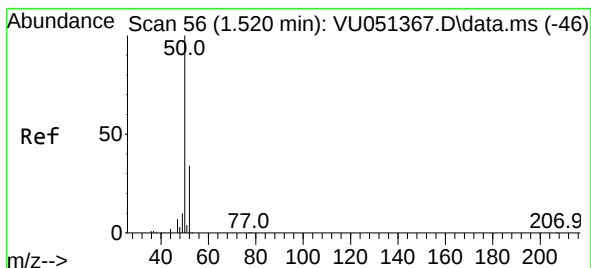
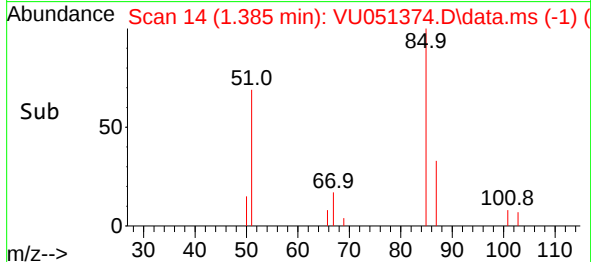
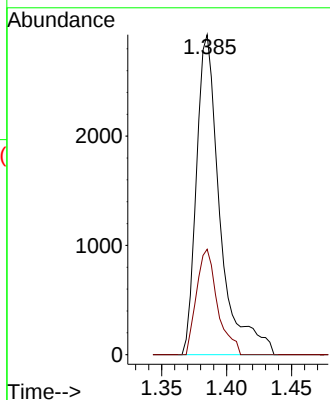
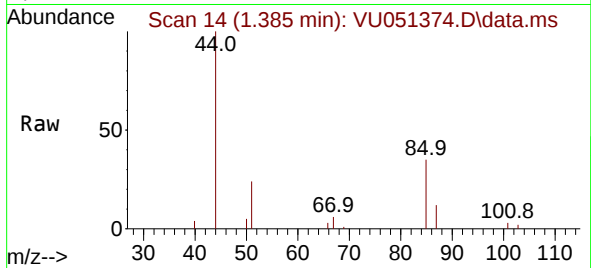
Tgt Ion: 85 Resp: 369
Ion Ratio Lower Upper
85 100
87 29.4 26.2 39.4

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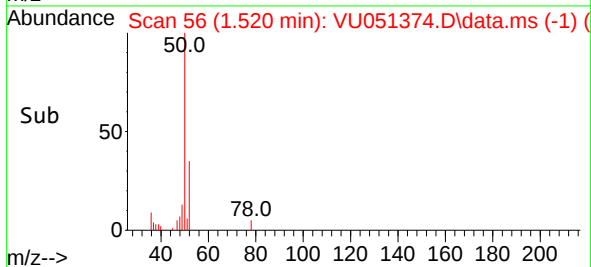
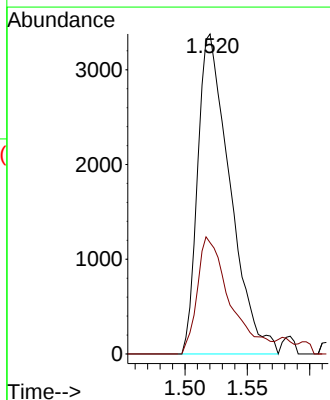
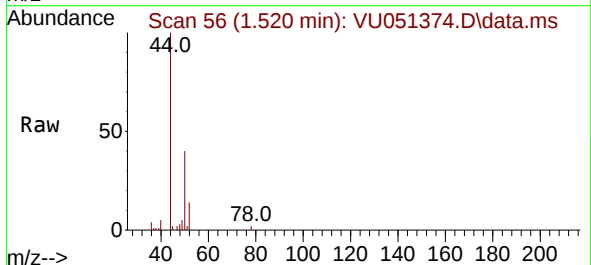
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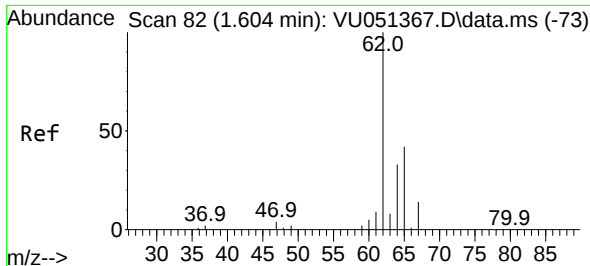
10/12/2022



#3
Chloromethane
Concen: 0.275 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

Tgt Ion: 50 Resp: 6070
Ion Ratio Lower Upper
50 100
52 34.8 22.9 42.5





#5
 Vinyl chloride
 Concen: 0.228 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU051374.D
 Acq: 11 Oct 2022 16:03

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

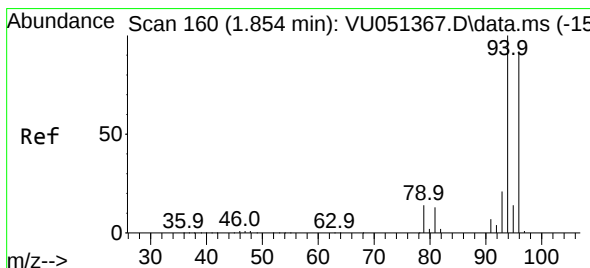
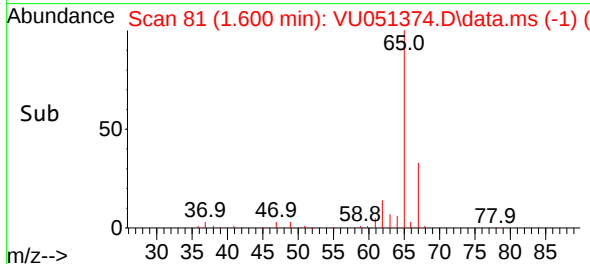
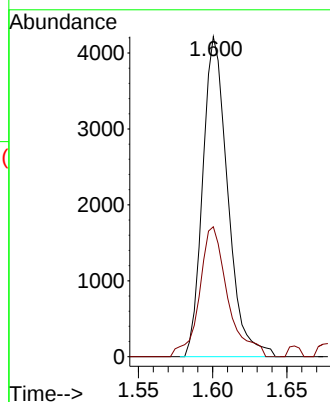
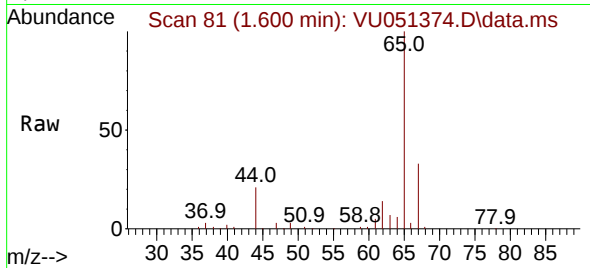
Tgt Ion: 62 Resp: 4935
 Ion Ratio Lower Upper
 62 100
 64 40.6 24.0 44.6

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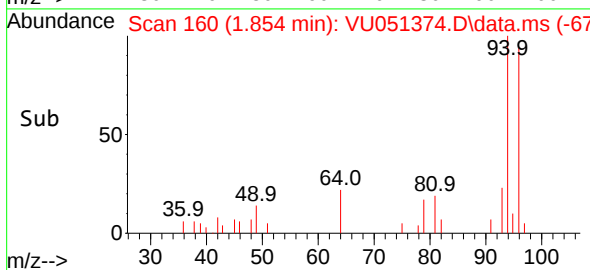
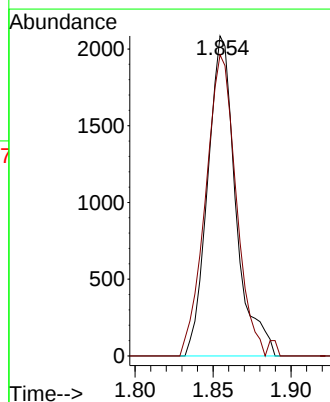
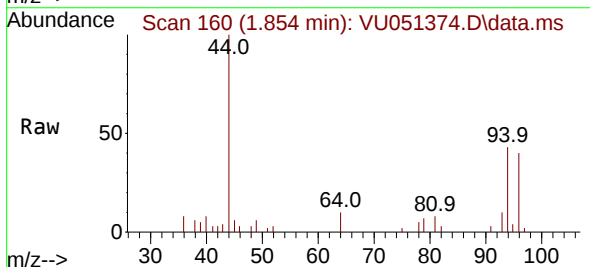
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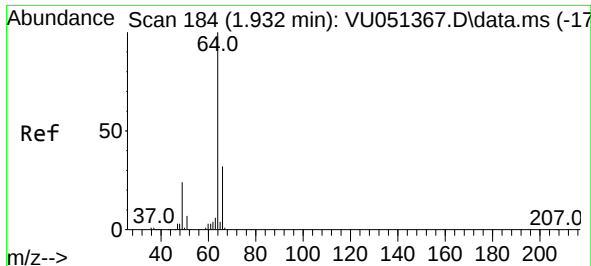
10/12/2022



#6
 Bromomethane
 Concen: 0.221 ug/L
 RT: 1.854 min Scan# 160
 Delta R.T. 0.000 min
 Lab File: VU051374.D
 Acq: 11 Oct 2022 16:03

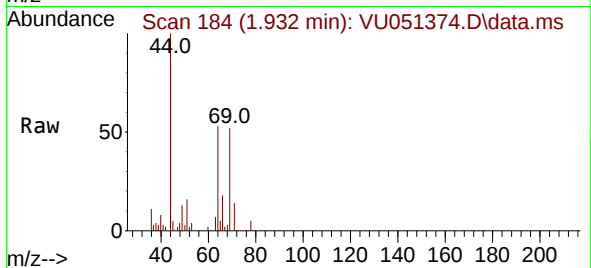
Tgt Ion: 94 Resp: 2606
 Ion Ratio Lower Upper
 94 100
 96 94.1 64.9 120.5





#8
Chloroethane
Concen: 0.250 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

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



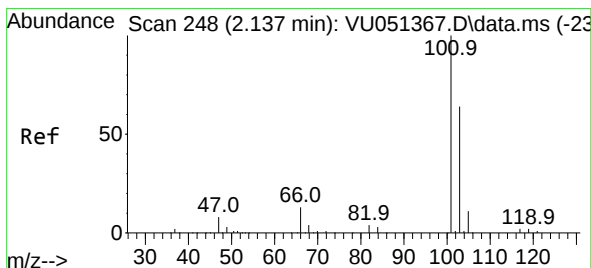
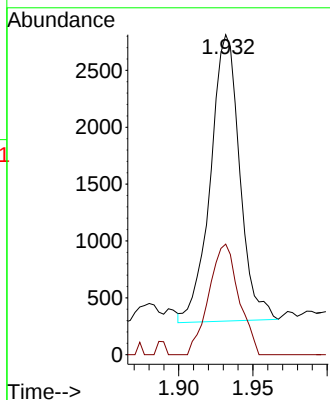
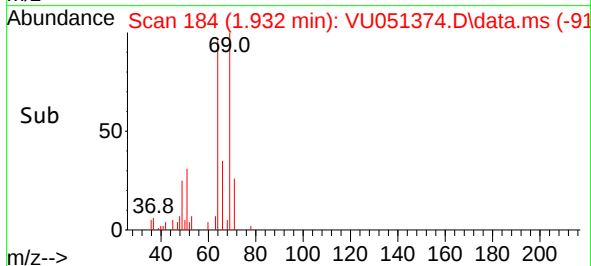
Tgt Ion: 64 Resp: 3454
Ion Ratio Lower Upper
64 100
66 34.5 22.3 41.3

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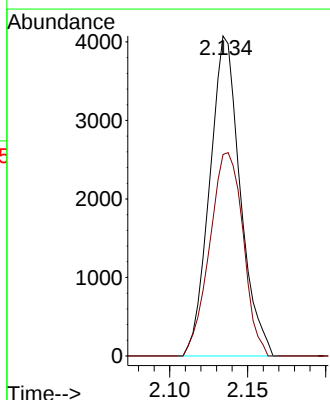
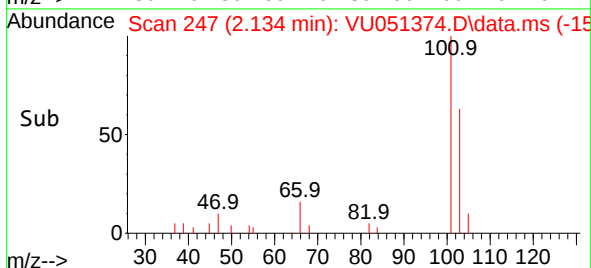
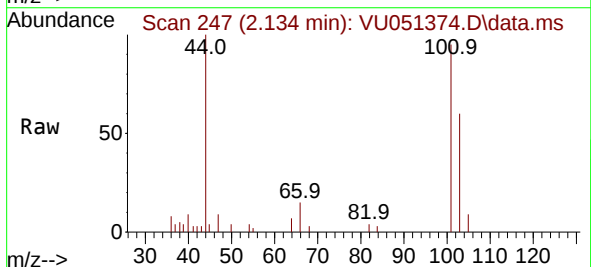
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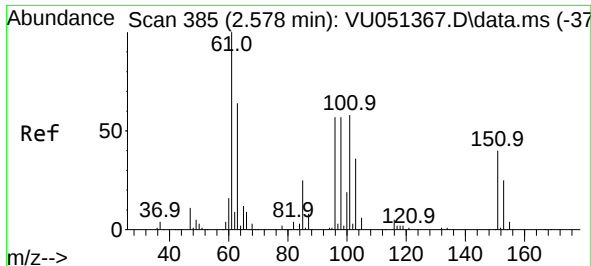
10/12/2022



#9
Trichlorofluoromethane
Concen: 0.222 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

Tgt Ion:101 Resp: 5543
Ion Ratio Lower Upper
101 100
103 69.6 52.2 78.2





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.279 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

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

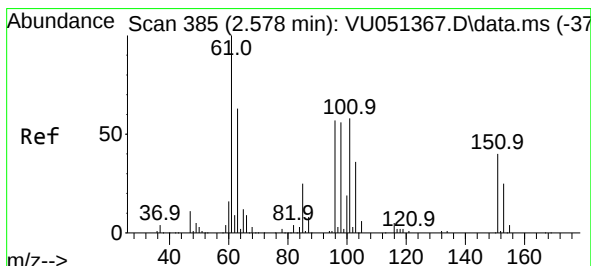
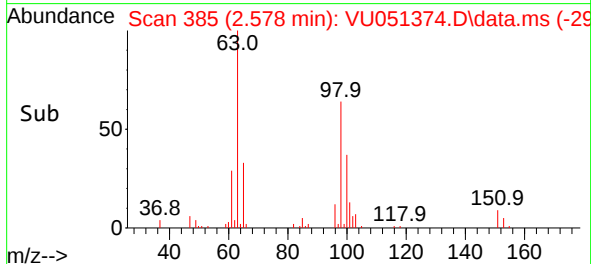
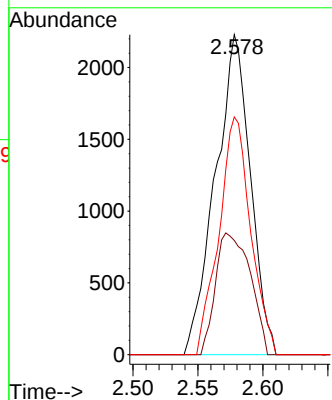
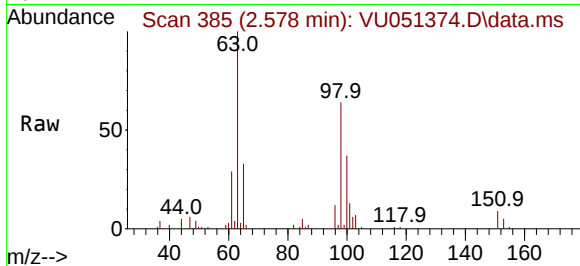
Tgt Ion:101 Resp: 4179
Ion Ratio Lower Upper
101 100
85 37.7 34.6 51.8
151 67.3 56.5 84.7

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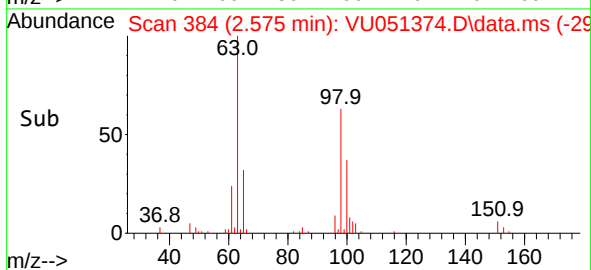
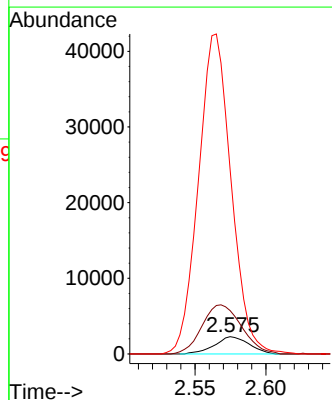
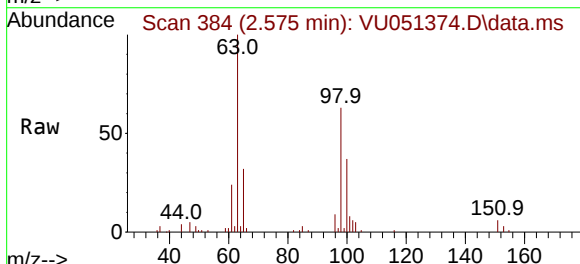
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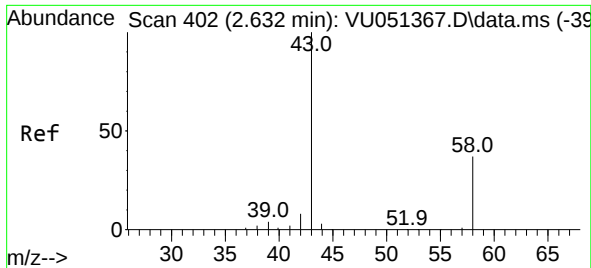
10/12/2022



#12
1,1-Dichloroethene
Concen: 0.274 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

Tgt Ion: 96 Resp: 3854
Ion Ratio Lower Upper
96 100
61 250.0 117.6 218.4#
63 1062.2 85.2 158.2#





#13

Acetone

Concen: 2.698 ug/L

RT: 2.642 min Scan# 405

Delta R.T. 0.010 min

Lab File: VU051374.D

Acq: 11 Oct 2022 16:03

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2022-08

Tgt Ion: 43 Resp: 6930
 Ion Ratio Lower Upper
 43 100
 58 35.0 0.0 68.8

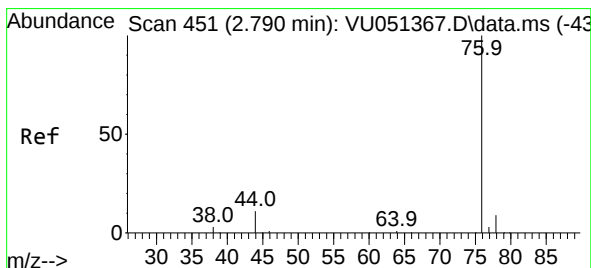
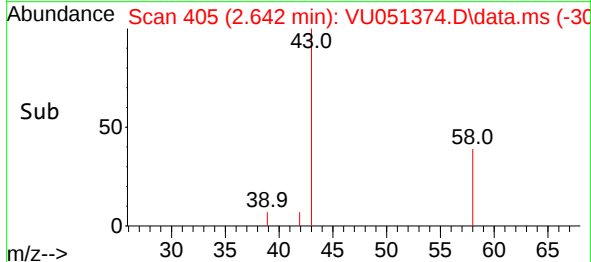
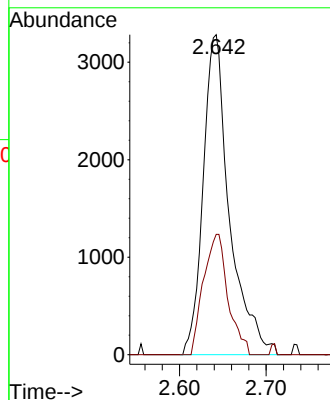
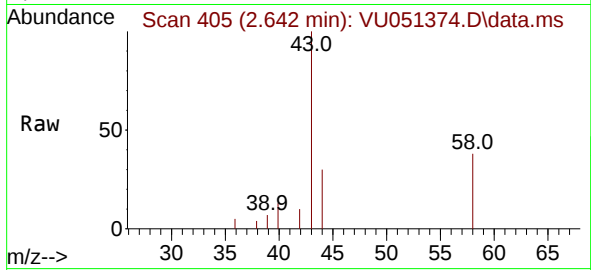
Manual Integrations
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10/12/2022

Supervised By :Mahesh
 Dadoda

10/12/2022



#14

Carbon disulfide

Concen: 0.242 ug/L

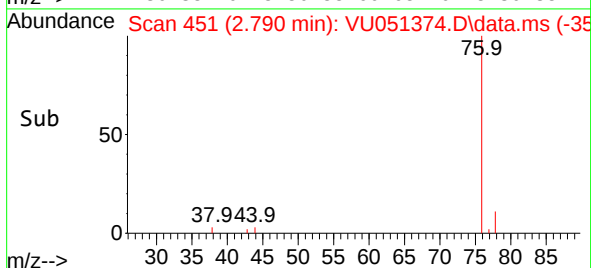
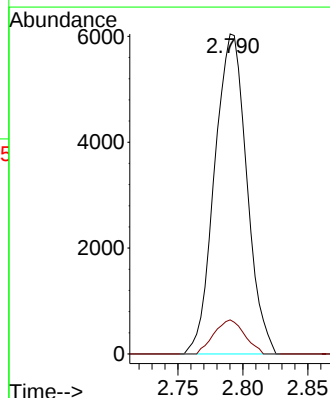
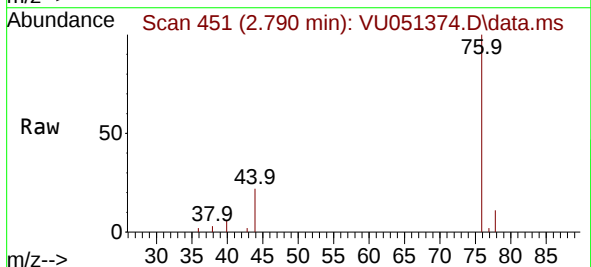
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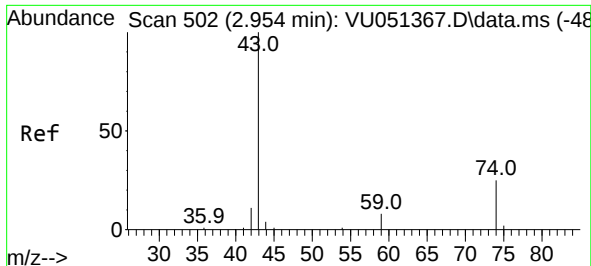
Delta R.T. 0.000 min

Lab File: VU051374.D

Acq: 11 Oct 2022 16:03

Tgt Ion: 76 Resp: 10408
 Ion Ratio Lower Upper
 76 100
 78 10.7 7.0 10.4#





#15
Methyl Acetate
Concen: 0.286 ug/L
RT: 2.957 min Scan# 502
Delta R.T. 0.003 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

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

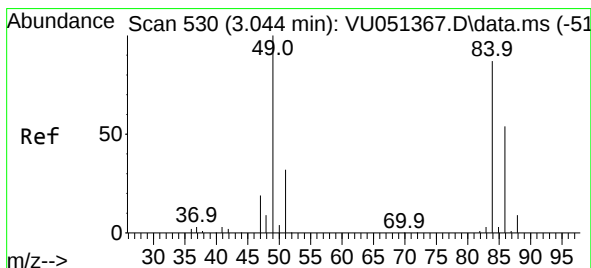
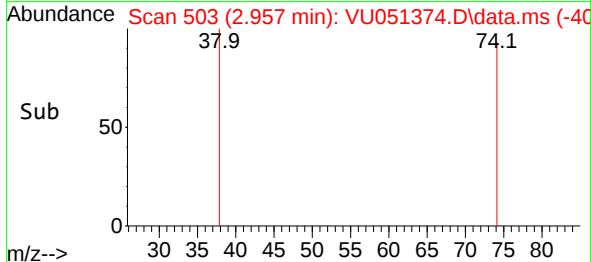
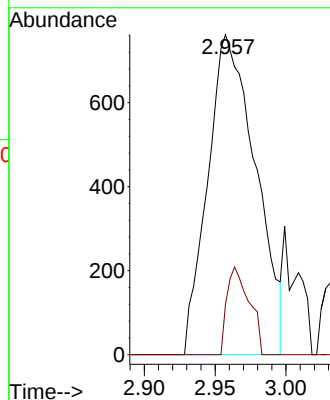
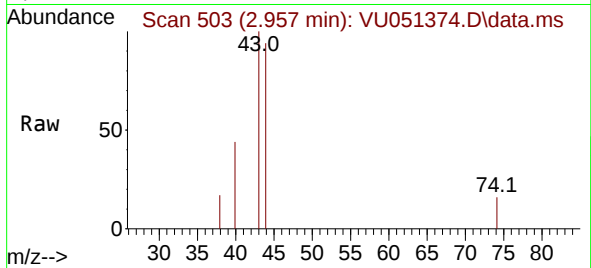
Tgt Ion: 43 Resp: 1789
Ion Ratio Lower Upper
43 100
74 12.8 20.0 30.0

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Reviewed By :Krupa
Patel

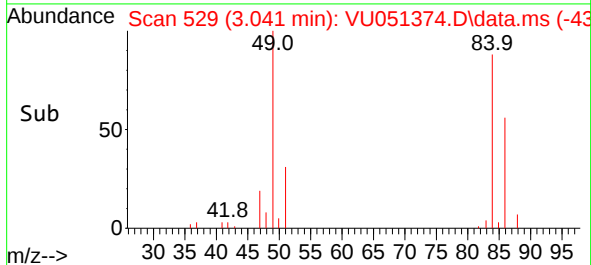
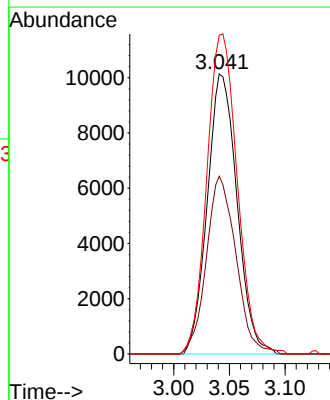
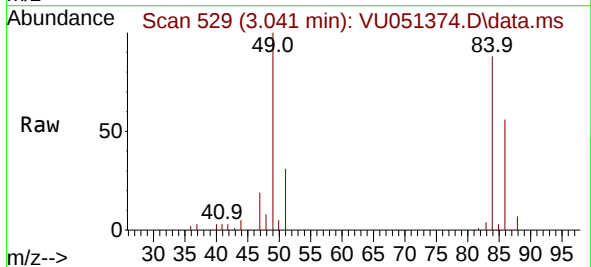
10/12/2022
Supervised By :Mahesh
Dadoda

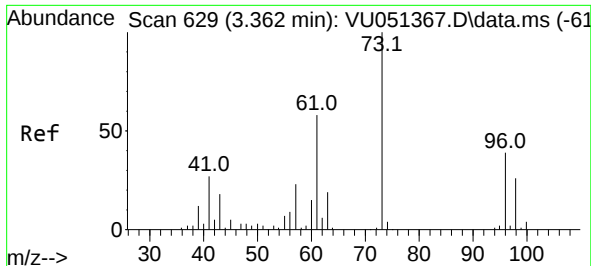
10/12/2022



#16
Methylene chloride
Concen: 0.906 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

Tgt Ion: 84 Resp: 18808
Ion Ratio Lower Upper
84 100
86 63.5 46.5 86.3
49 113.9 81.3 151.1





#17
Methyl tert-butyl Ether
Concen: 0.219 ug/L
RT: 3.366 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

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

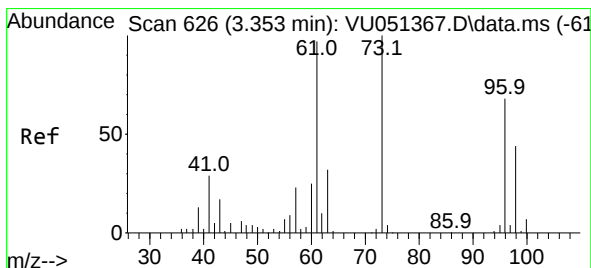
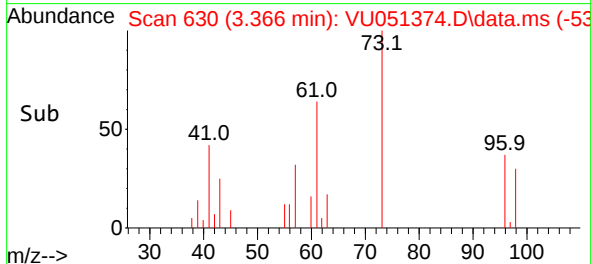
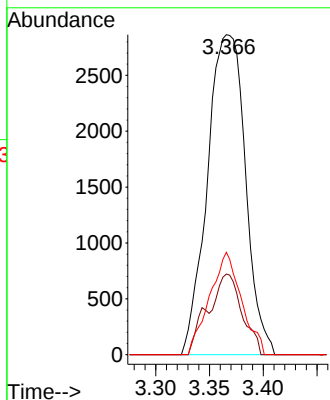
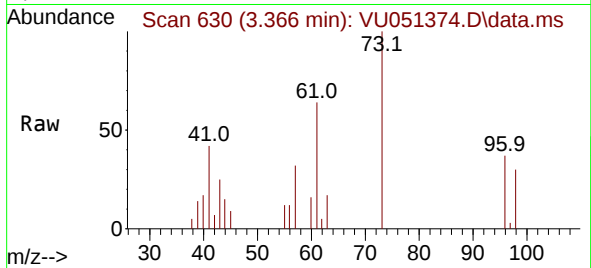
Tgt Ion: 73 Resp: 704
Ion Ratio Lower Upper
73 100
43 22.5 15.4 23.0
57 26.8 18.9 28.3

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Reviewed By :Krupa
Patel

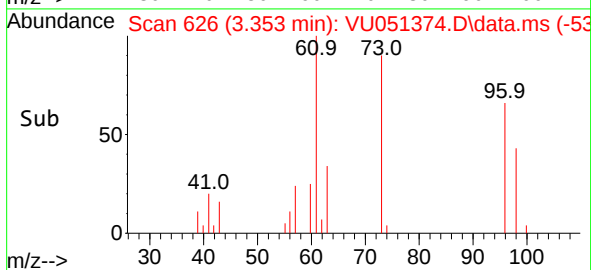
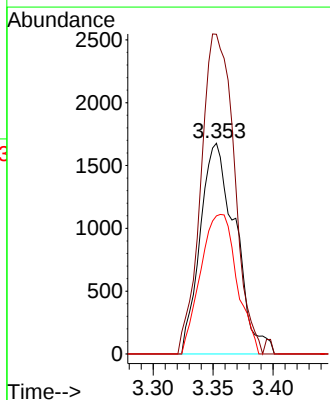
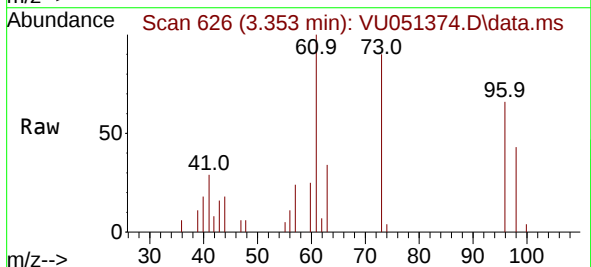
10/12/2022
Supervised By :Mahesh
Dadoda

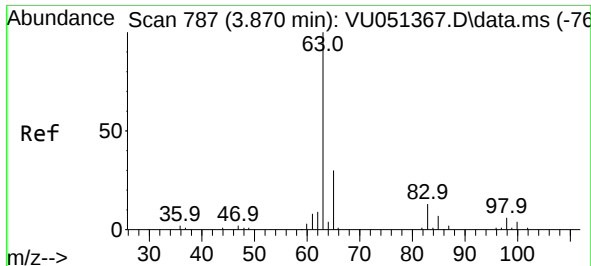
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#18
trans-1,2-Dichloroethene
Concen: 0.232 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

Tgt Ion: 96 Resp: 3435
Ion Ratio Lower Upper
96 100
61 151.6 101.4 188.2
98 65.5 44.9 83.5





#19
1,1-Dichloroethane
Concen: 0.237 ug/L
RT: 3.864 min Scan# 71
Delta R.T. -0.006 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

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

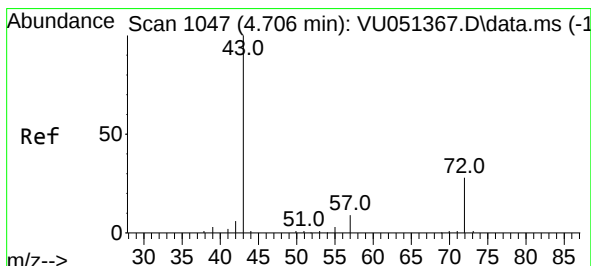
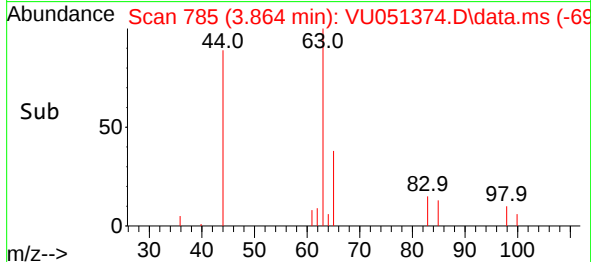
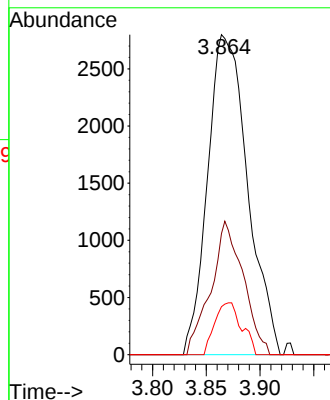
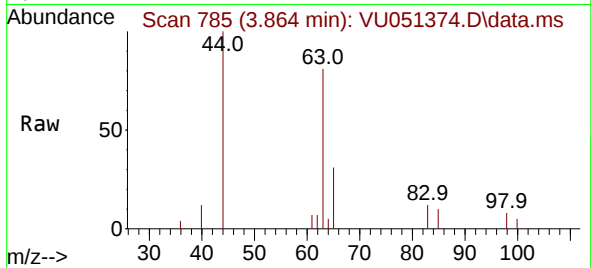
Tgt Ion: 63 Resp: 7234
Ion Ratio Lower Upper
63 100
65 37.8 22.0 41.0
83 15.0 9.0 16.6

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Reviewed By :Krupa
Patel

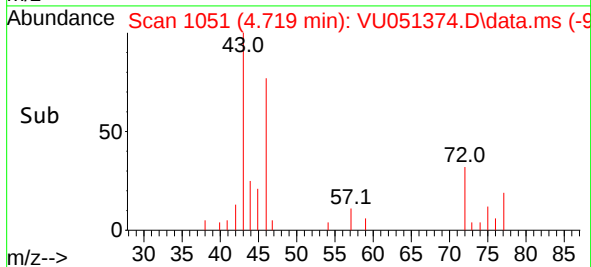
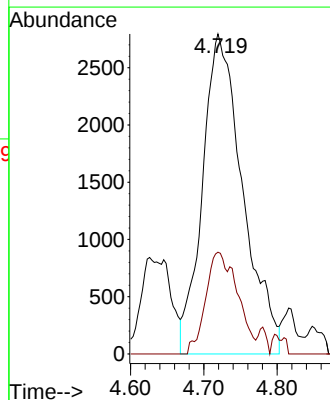
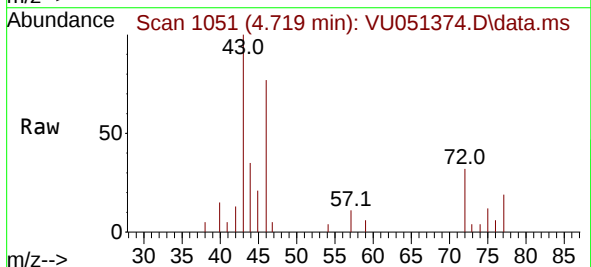
10/12/2022
Supervised By :Mahesh
Dadoda

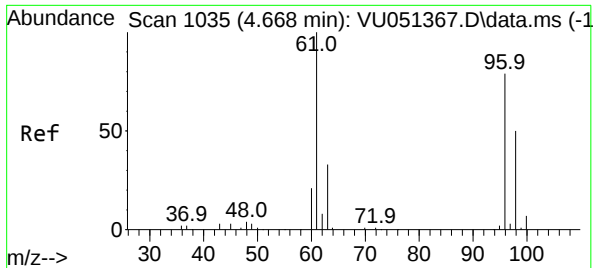
10/12/2022



#21
2-Butanone
Concen: 2.635 ug/L m
RT: 4.719 min Scan# 1051
Delta R.T. 0.013 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

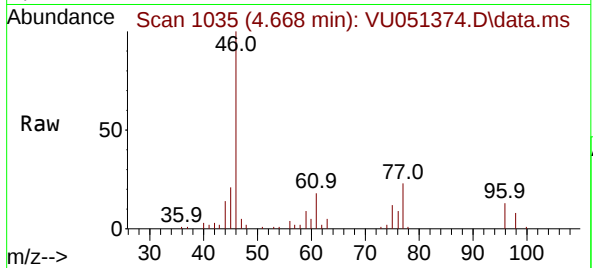
Tgt Ion: 43 Resp: 10670
Ion Ratio Lower Upper
43 100
72 25.2 13.8 41.4





#22
 cis-1,2-Dichloroethene
 Concen: 0.235 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. 0.000 min
 Lab File: VU051374.D
 Acq: 11 Oct 2022 16:03

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



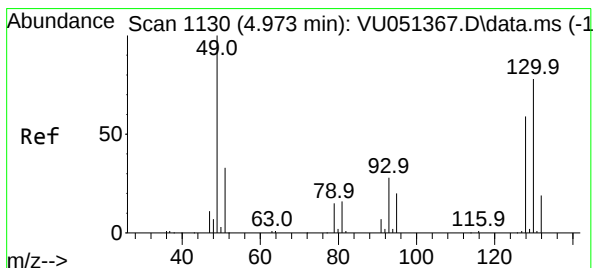
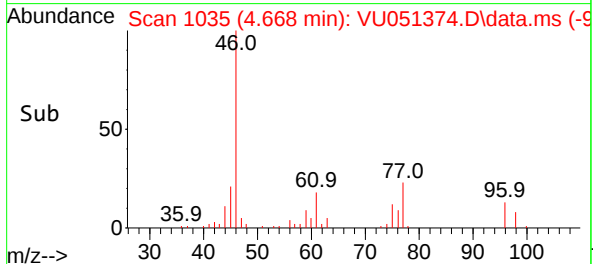
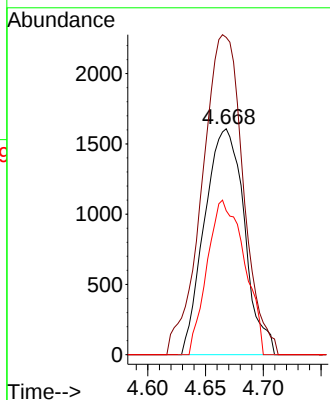
Tgt Ion: 96 Resp: 385
 Ion Ratio Lower Upper
 96 100
 61 140.4 90.6 168.2
 98 63.7 47.5 88.3

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Reviewed By :Krupa
 Patel

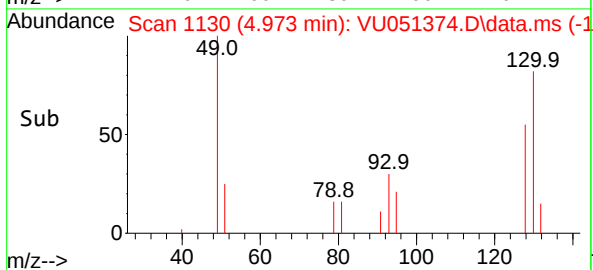
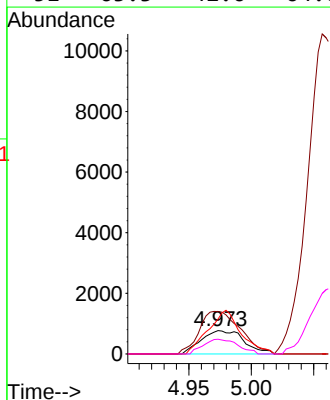
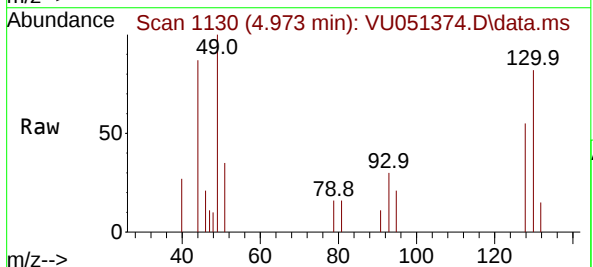
10/12/2022
 Supervised By :Mahesh
 Dadoda

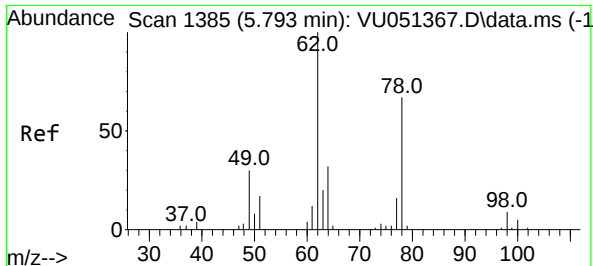
10/12/2022



#23
 Bromochloromethane
 Concen: 0.235 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VU051374.D
 Acq: 11 Oct 2022 16:03

Tgt Ion:128 Resp: 1840
 Ion Ratio Lower Upper
 128 100
 49 181.9 118.0 219.2
 130 149.8 88.8 164.8
 51 63.3 42.6 64.0





#27

1,2-Dichloroethane

Concen: 0.255 ug/L

RT: 5.800 min Scan# 11

Delta R.T. 0.006 min

Lab File: VU051374.D

Acq: 11 Oct 2022 16:03

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2022-08

Tgt Ion: 62 Resp: 4880
 Ion Ratio Lower Upper
 62 100
 98 15.7 7.7 11.5

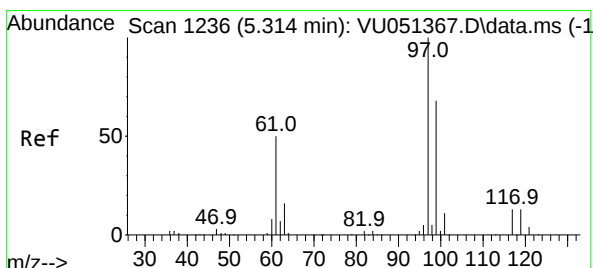
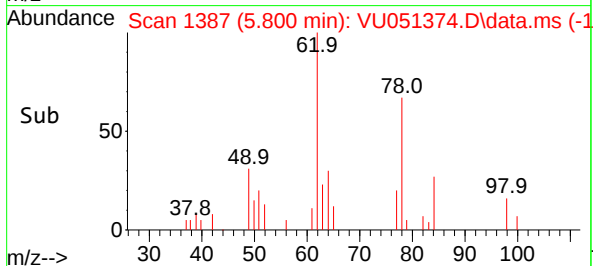
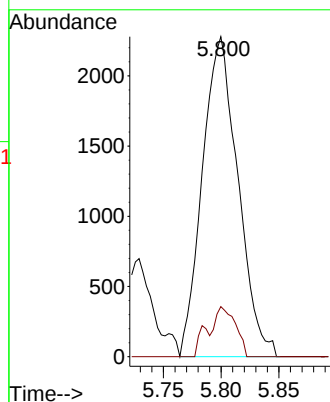
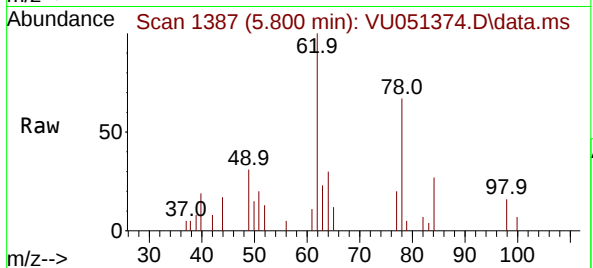
Manual Integrations
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Reviewed By :Krupa
 Patel

10/12/2022

Supervised By :Mahesh
 Dadoda

10/12/2022



#29

1,1,1-Trichloroethane

Concen: 0.230 ug/L

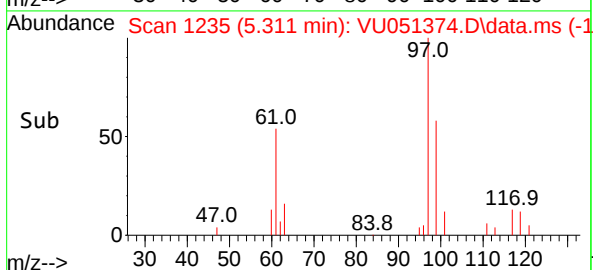
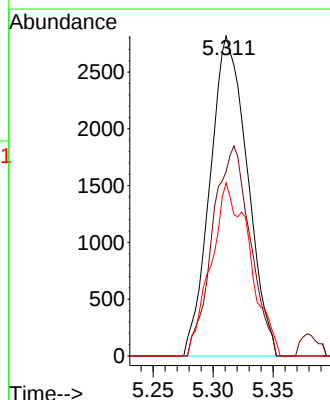
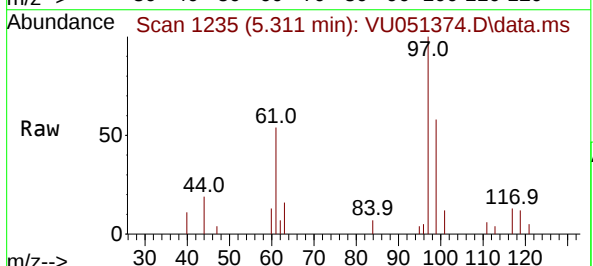
RT: 5.311 min Scan# 1235

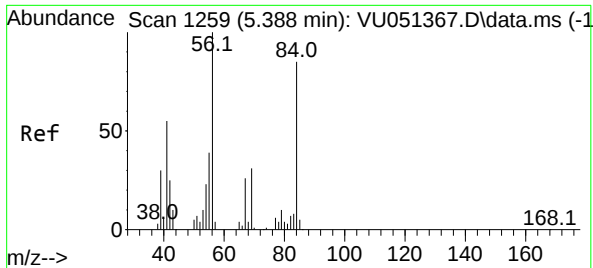
Delta R.T. -0.003 min

Lab File: VU051374.D

Acq: 11 Oct 2022 16:03

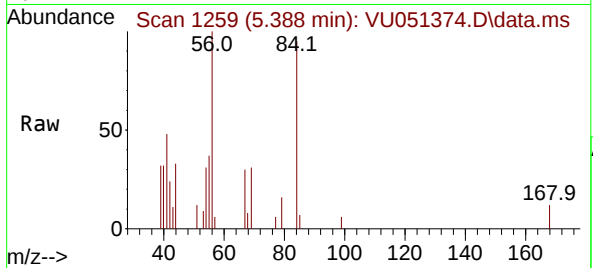
Tgt Ion: 97 Resp: 6082
 Ion Ratio Lower Upper
 97 100
 99 66.1 50.2 75.4
 61 56.6 38.7 58.1





#30
Cyclohexane
Concen: 0.173 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

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



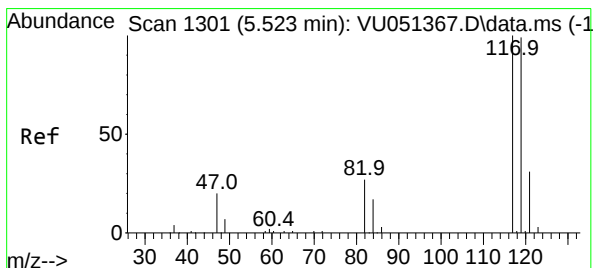
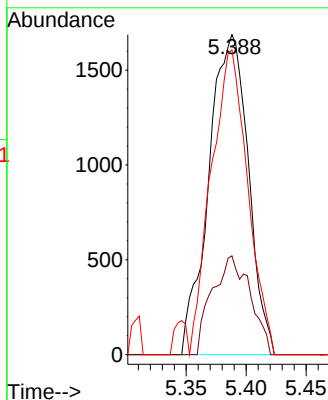
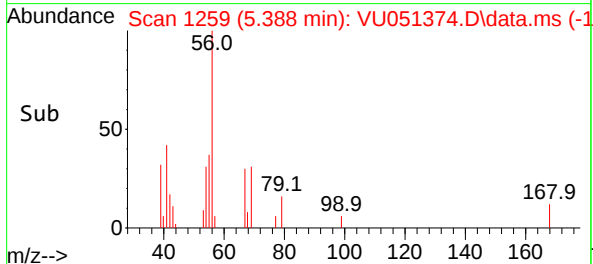
Tgt Ion: 56 Resp: 387
Ion Ratio Lower Upper
56 100
69 29.6 25.1 37.7
84 88.0 70.9 106.3

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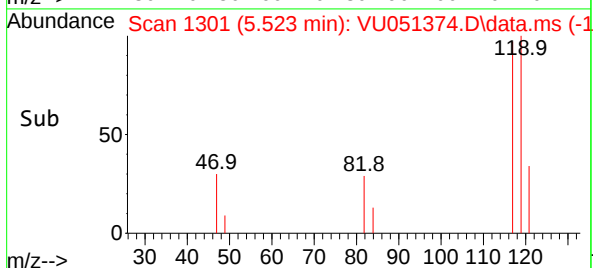
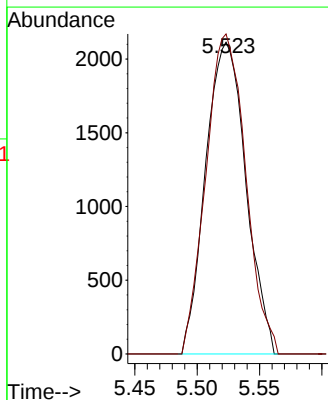
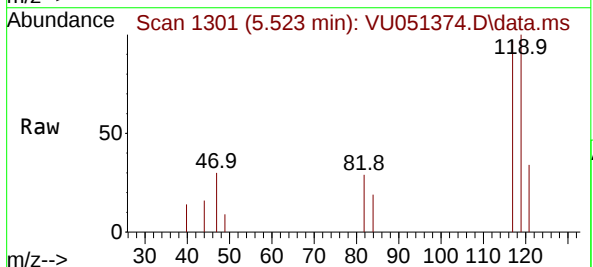
10/12/2022
Supervised By :Mahesh
Dadoda

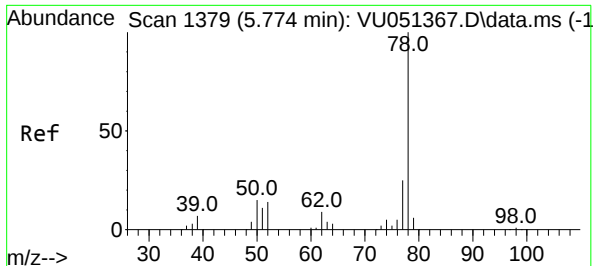
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#31
Carbon tetrachloride
Concen: 0.212 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. 0.000 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

Tgt Ion:117 Resp: 4750
Ion Ratio Lower Upper
117 100
119 101.1 78.4 117.6





#33

Benzene

Concen: 0.212 ug/L

RT: 5.774 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051374.D

Acq: 11 Oct 2022 16:03

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2022-08

Tgt Ion: 78 Resp: 15624

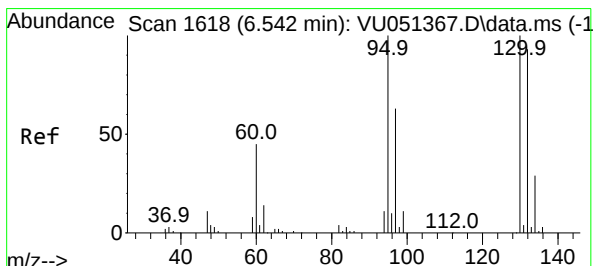
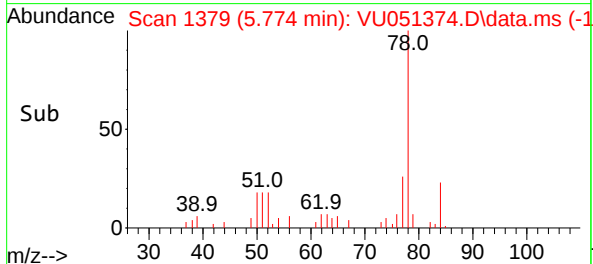
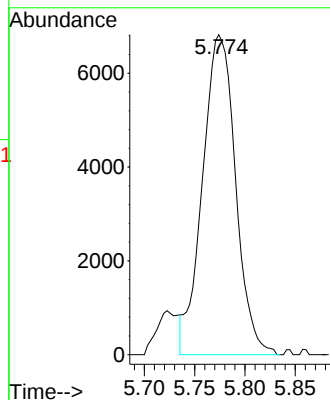
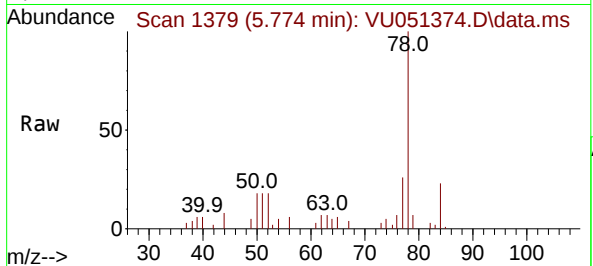
Manual Integrations
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Reviewed By :Krupa
Patel

10/12/2022

Supervised By :Mahesh
Dadoda

10/12/2022



#34

Trichloroethene

Concen: 0.225 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. -0.003 min

Lab File: VU051374.D

Acq: 11 Oct 2022 16:03

Tgt Ion: 95 Resp: 4143

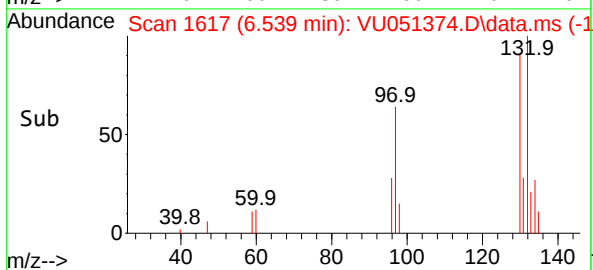
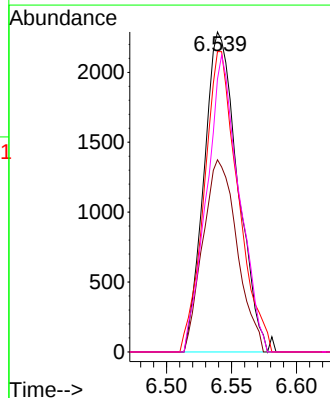
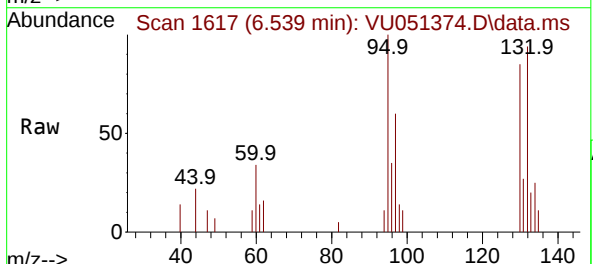
Ion Ratio Lower Upper

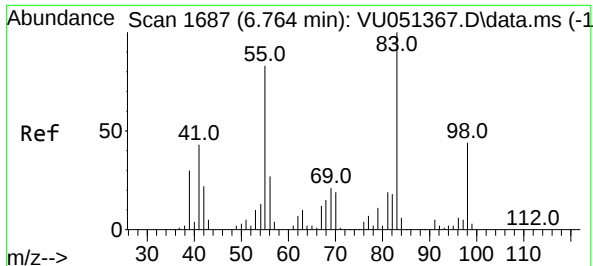
95 100

97 60.1 45.4 84.2

132 93.8 63.1 117.3

130 85.3 65.7 121.9





#35
Methylcyclohexane
Concen: 0.173 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

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

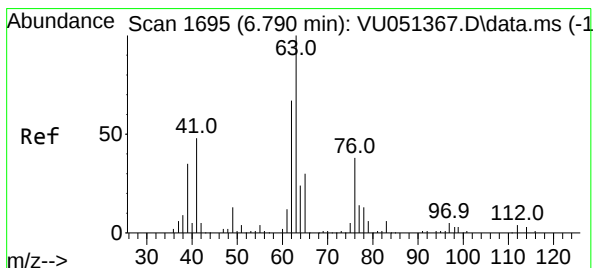
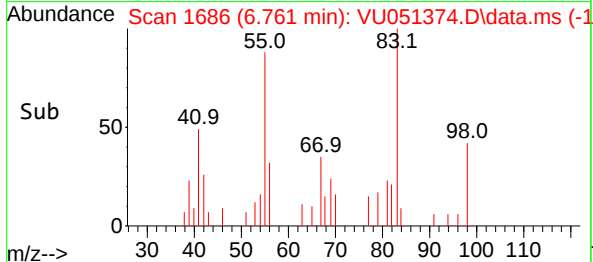
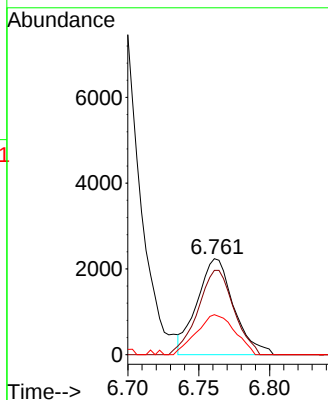
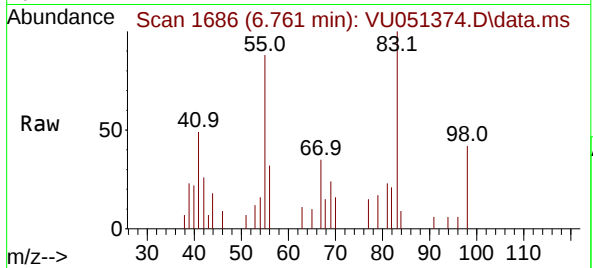
Tgt Ion: 83 Resp: 401
Ion Ratio Lower Upper
83 100
55 86.1 65.8 98.6
98 43.6 35.9 53.9

Manual Integrations
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Reviewed By :Krupa
Patel

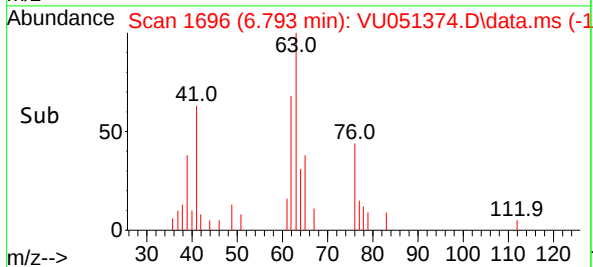
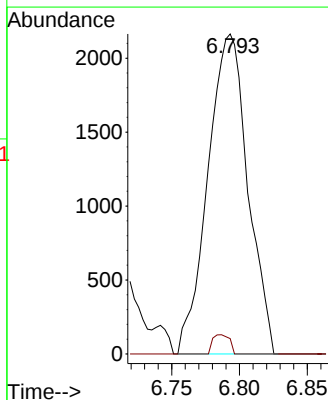
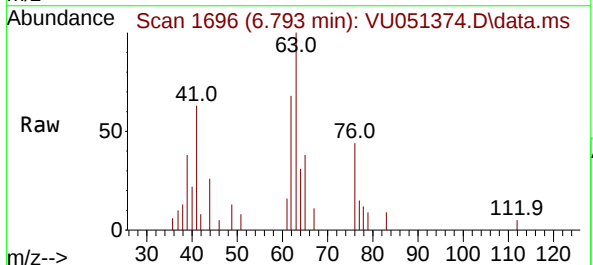
10/12/2022
Supervised By :Mahesh
Dadoda

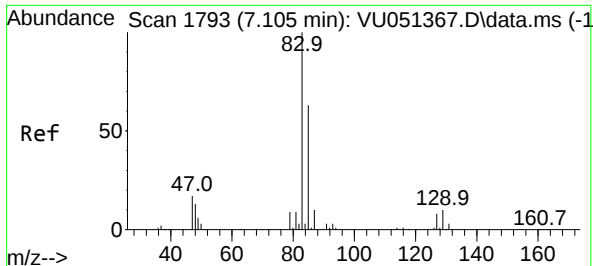
10/12/2022



#37
1,2-Dichloropropane
Concen: 0.220 ug/L
RT: 6.793 min Scan# 1696
Delta R.T. 0.003 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

Tgt Ion: 63 Resp: 4438
Ion Ratio Lower Upper
63 100
112 2.5 3.2 4.8#





#38
Bromodichloromethane
Concen: 0.233 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

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

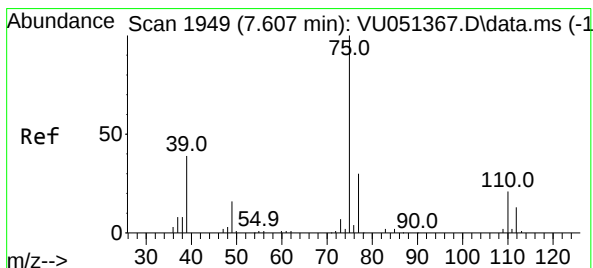
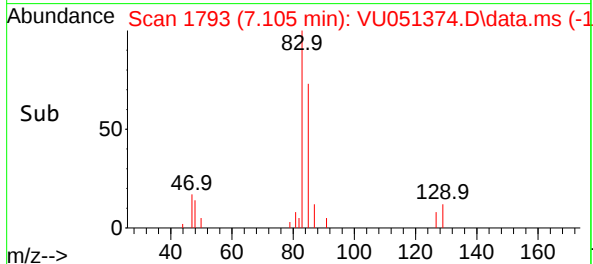
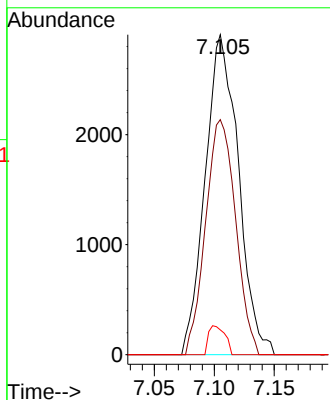
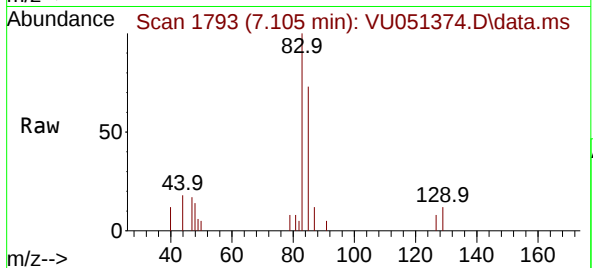
Tgt Ion: 83 Resp: 5604
Ion Ratio Lower Upper
83 100
85 73.5 44.8 83.2
127 7.8 7.0 10.6

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Reviewed By :Krupa
Patel

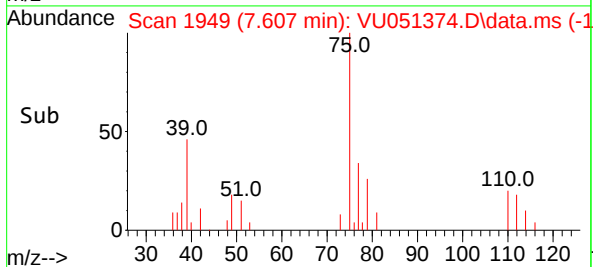
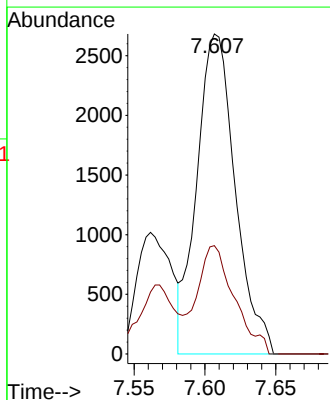
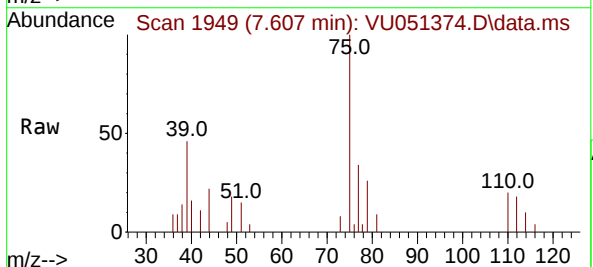
10/12/2022
Supervised By :Mahesh
Dadoda

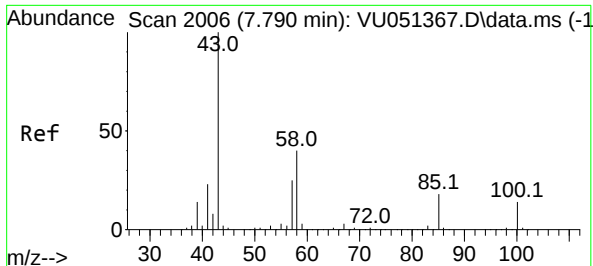
10/12/2022



#39
cis-1,3-Dichloropropene
Concen: 0.208 ug/L
RT: 7.607 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

Tgt Ion: 75 Resp: 5059
Ion Ratio Lower Upper
75 100
77 33.9 22.0 41.0





#40

4-Methyl-2-pentanone

Concen: 1.590 ug/L

RT: 7.793 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU051374.D

Acq: 11 Oct 2022 16:03

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2022-08

Tgt Ion: 43 Resp: 1684
 Ion Ratio Lower Upper
 43 100
 58 36.7 33.0 49.6
 100 0.0 11.8 17.6

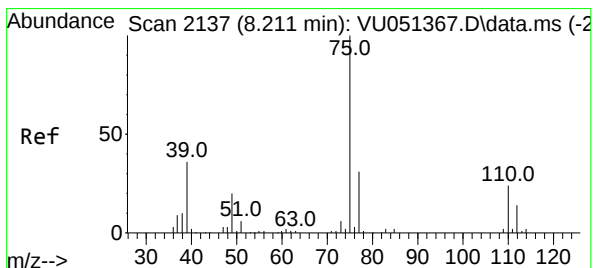
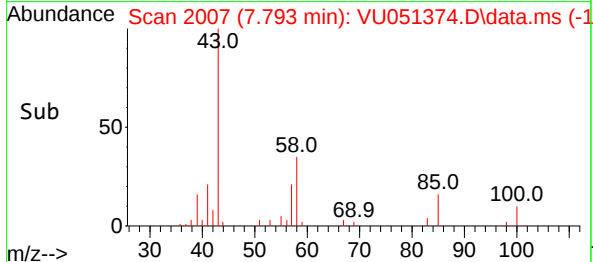
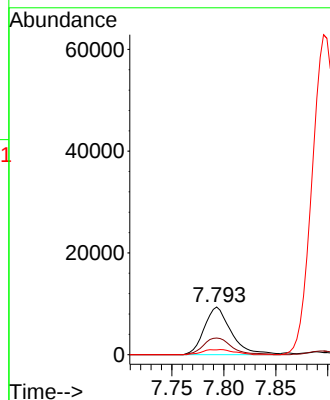
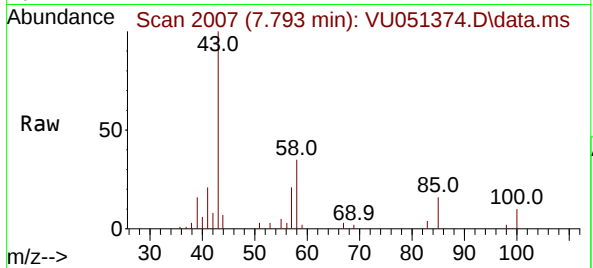
Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

10/12/2022

Supervised By :Mahesh
 Dadoda

10/12/2022



#44

trans-1,3-Dichloropropene

Concen: 0.196 ug/L

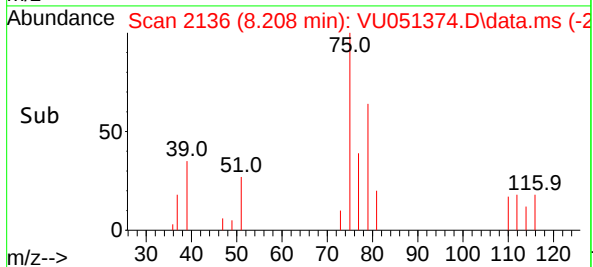
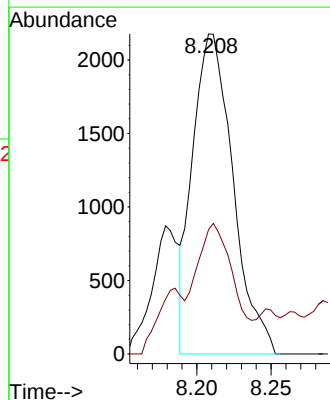
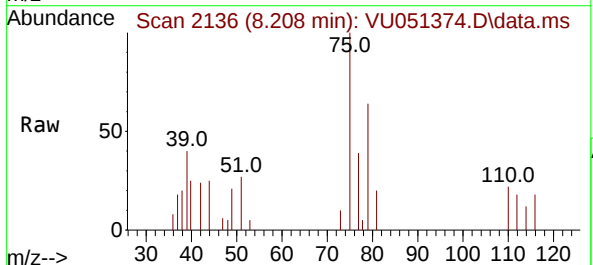
RT: 8.208 min Scan# 2136

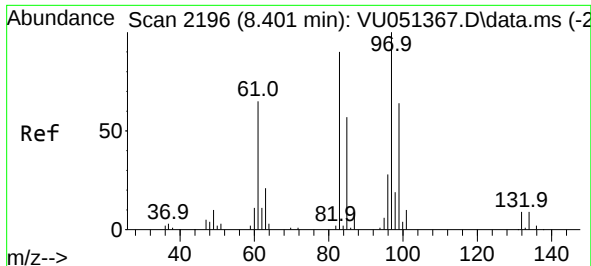
Delta R.T. -0.003 min

Lab File: VU051374.D

Acq: 11 Oct 2022 16:03

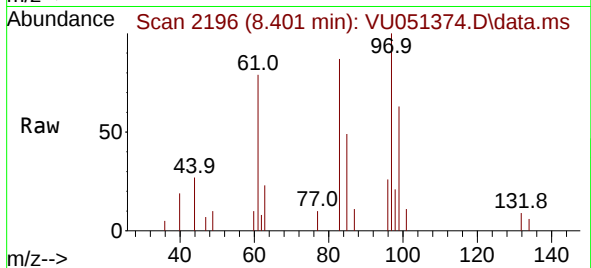
Tgt Ion: 75 Resp: 4110
 Ion Ratio Lower Upper
 75 100
 77 38.8 21.8 40.6





#45
1,1,2-Trichloroethane
Concen: 0.229 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

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



Tgt Ion: 97 Resp: 3250

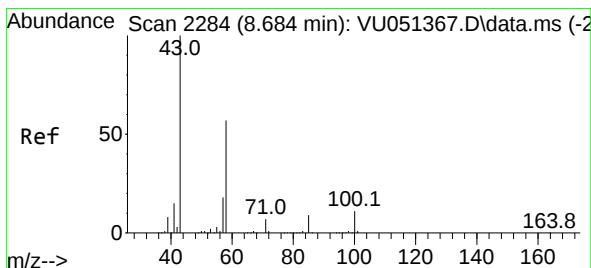
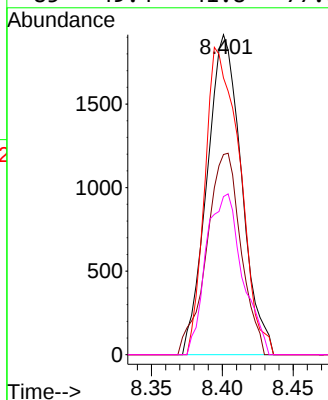
Ion	Ratio	Lower	Upper
97	100		
99	62.6	45.3	84.1
83	86.5	63.1	117.1
85	49.4	41.8	77.6

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Reviewed By :Krupa
Patel

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Supervised By :Mahesh
Dadoda

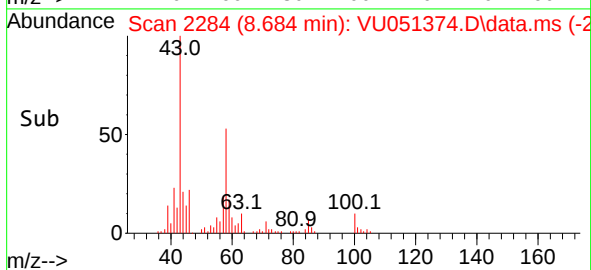
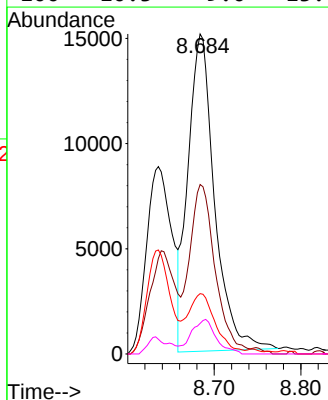
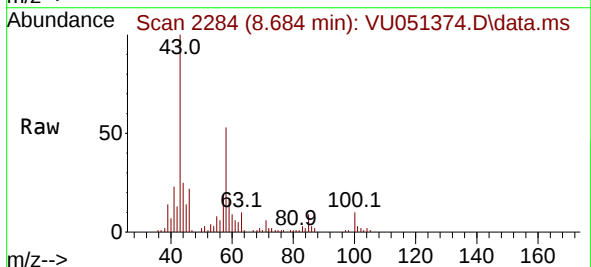
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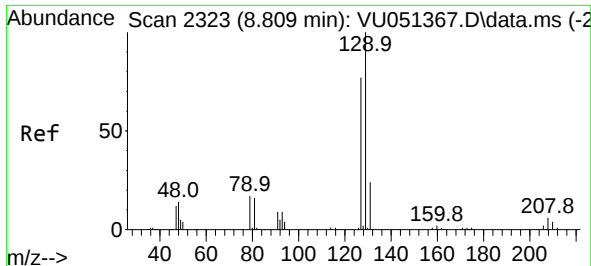


#48
2-Hexanone
Concen: 4.077 ug/L
RT: 8.684 min Scan# 2284
Delta R.T. 0.000 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

Tgt Ion: 43 Resp: 32151

Ion	Ratio	Lower	Upper
43	100		
58	51.6	48.2	72.2
57	18.1	15.5	23.3
100	10.3	9.0	13.4





#49

Dibromochloromethane

Concen: 0.229 ug/L

RT: 8.809 min Scan# 2323

Delta R.T. 0.000 min

Lab File: VU051374.D

Acq: 11 Oct 2022 16:03

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2022-08

Tgt Ion:129 Resp: 365
 Ion Ratio Lower Upper
 129 100
 127 79.6 53.5 99.3

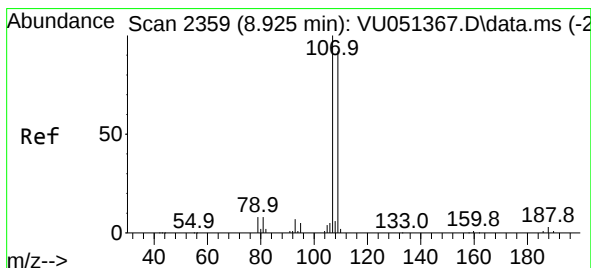
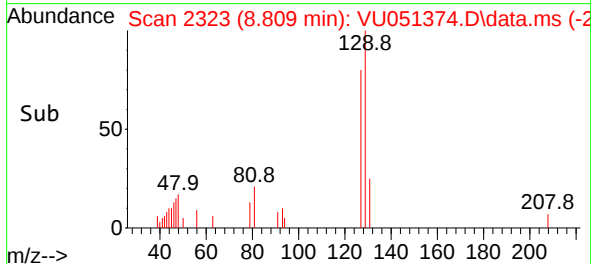
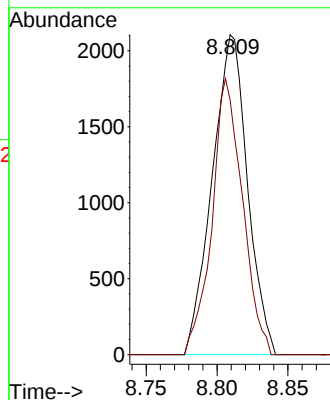
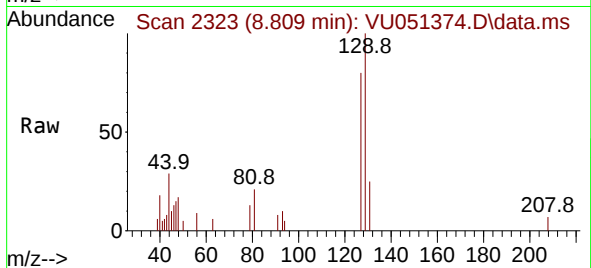
Manual Integrations
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Reviewed By :Krupa
 Patel

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Supervised By :Mahesh
 Dadoda

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#50

1,2-Dibromoethane

Concen: 0.248 ug/L

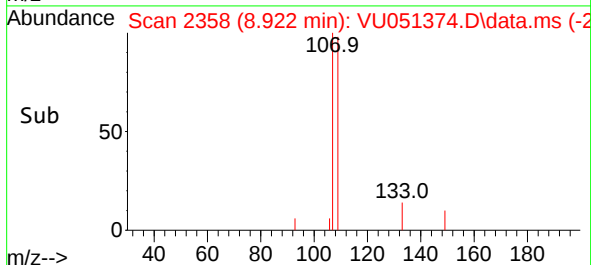
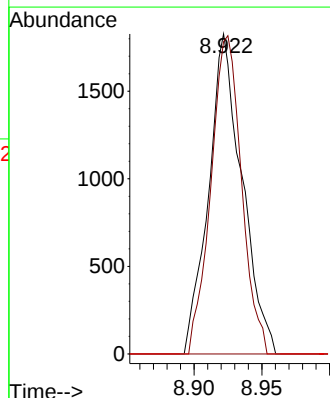
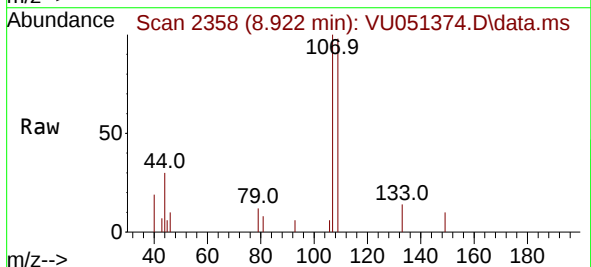
RT: 8.922 min Scan# 2358

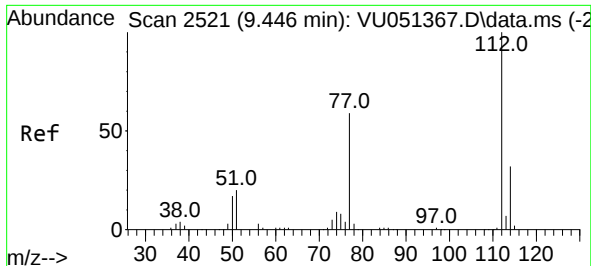
Delta R.T. -0.003 min

Lab File: VU051374.D

Acq: 11 Oct 2022 16:03

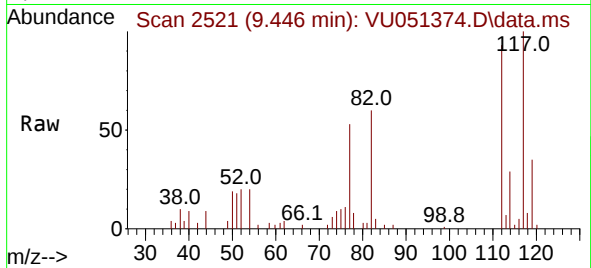
Tgt Ion:107 Resp: 3130
 Ion Ratio Lower Upper
 107 100
 109 97.6 67.1 124.7
 188 0.0 2.5 3.7#





#51
Chlorobenzene
Concen: 0.226 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

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



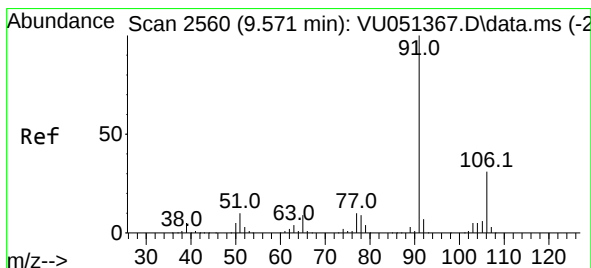
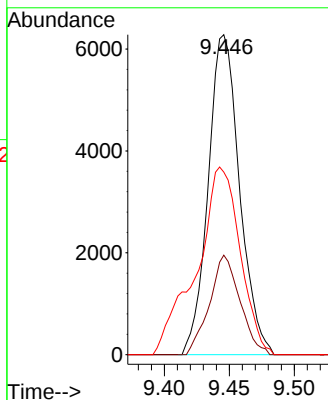
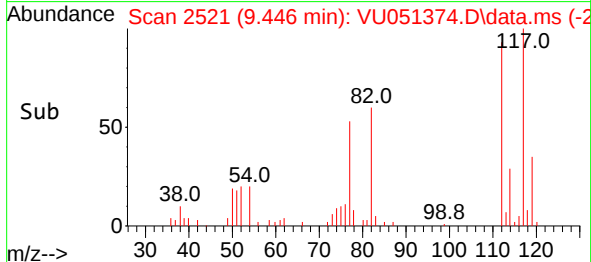
Tgt Ion: 112 Resp: 1055
Ion Ratio Lower Upper
112 100
114 31.1 22.3 41.5
77 57.0 48.1 72.1

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Reviewed By :Krupa
Patel

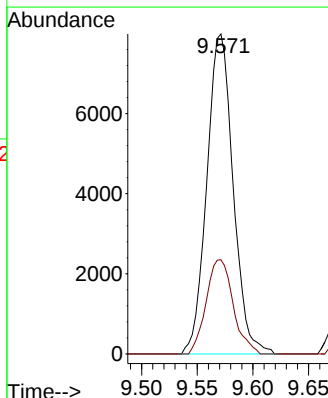
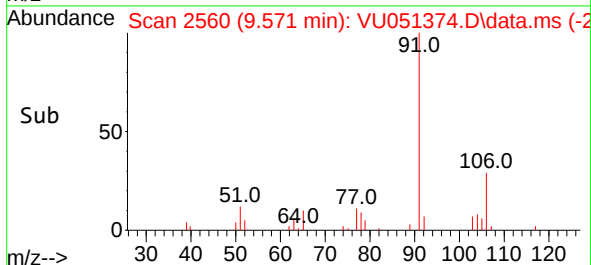
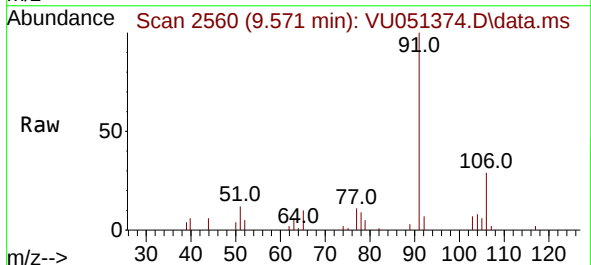
10/12/2022
Supervised By :Mahesh
Dadoda

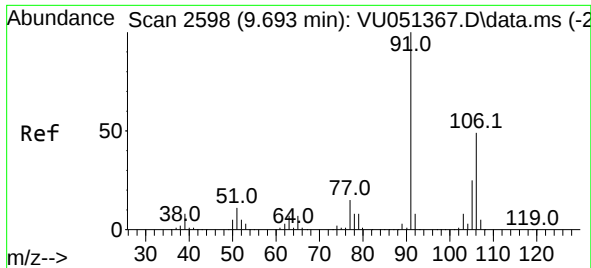
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#52
Ethylbenzene
Concen: 0.187 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

Tgt Ion: 91 Resp: 13123
Ion Ratio Lower Upper
91 100
106 29.4 20.9 38.7





#53
m,p-Xylene
Concen: 0.166 ug/L
RT: 9.690 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

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

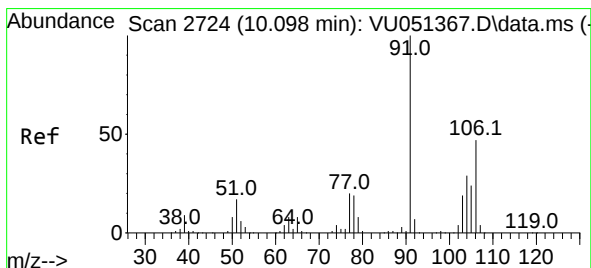
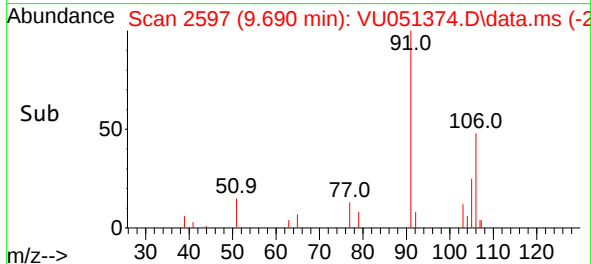
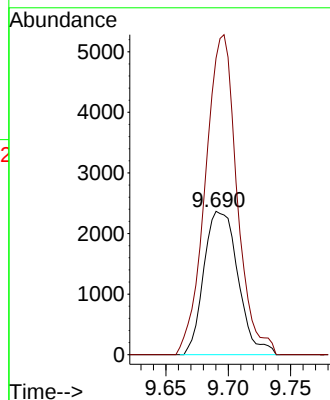
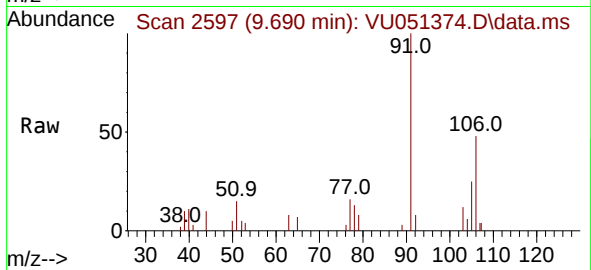
Tgt Ion:106 Resp: 4510
Ion Ratio Lower Upper
106 100
91 206.9 143.9 267.3

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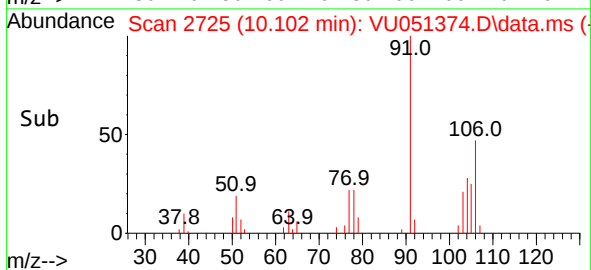
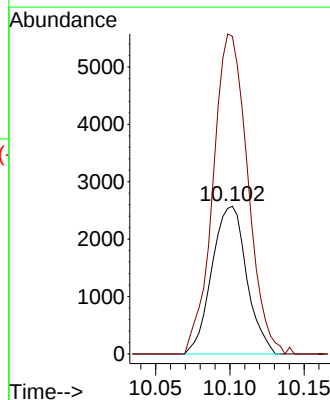
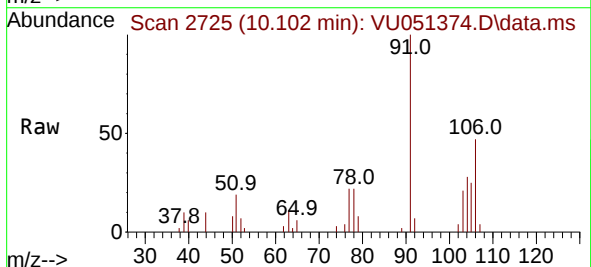
10/12/2022
Supervised By :Mahesh
Dadoda

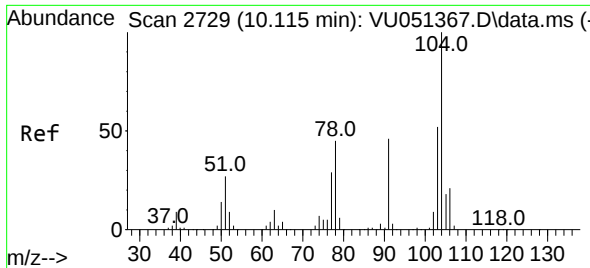
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#54
o-Xylene
Concen: 0.162 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.003 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

Tgt Ion:106 Resp: 4186
Ion Ratio Lower Upper
106 100
91 215.0 154.4 286.8





#55
Styrene
Concen: 0.146 ug/L
RT: 10.118 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

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

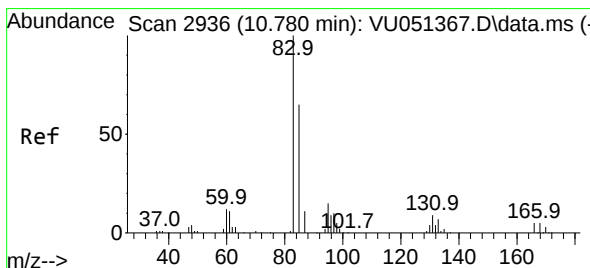
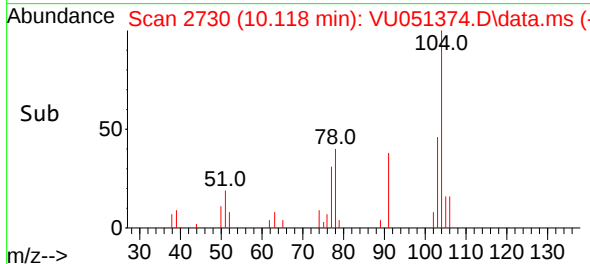
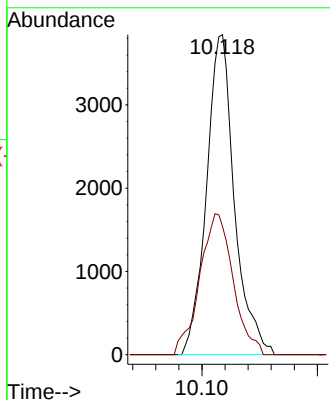
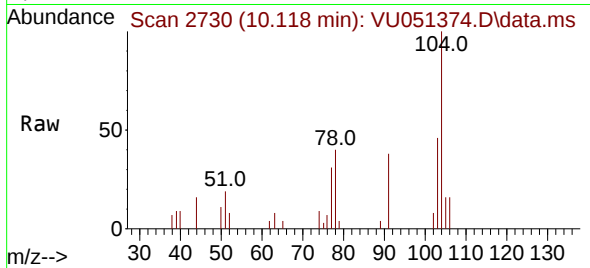
Tgt Ion:104 Resp: 647
Ion Ratio Lower Upper
104 100
78 40.0 32.1 59.7

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Reviewed By :Krupa
Patel

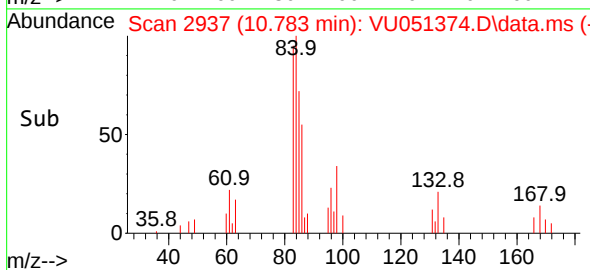
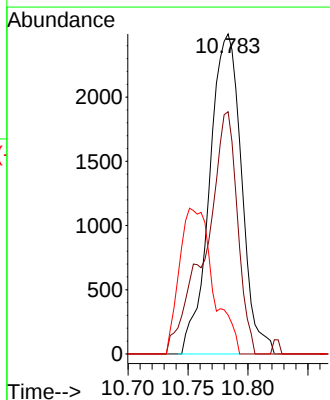
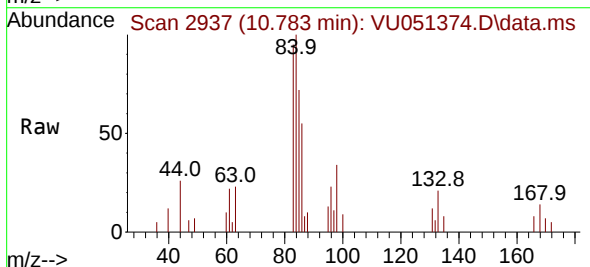
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Supervised By :Mahesh
Dadoda

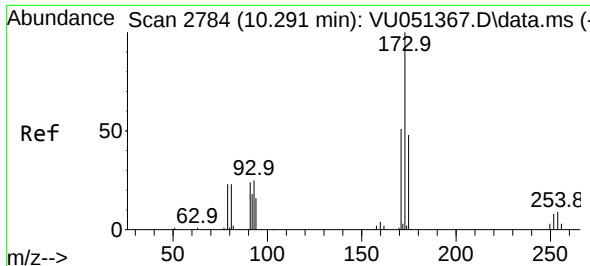
10/12/2022



#57
1,1,2,2-Tetrachloroethane
Concen: 0.263 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. 0.003 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

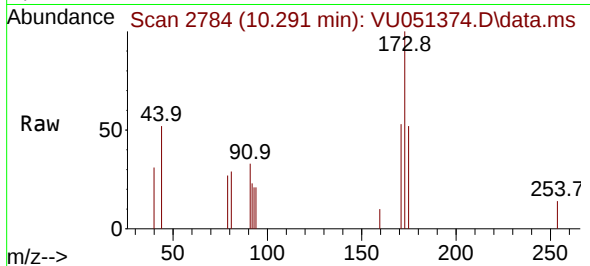
Tgt Ion: 83 Resp: 4616
Ion Ratio Lower Upper
83 100
85 75.7 45.9 85.3
131 12.1 7.4 11.2#





#59
Bromoform
Concen: 0.247 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. 0.000 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

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



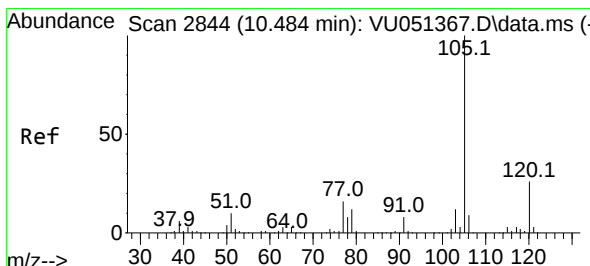
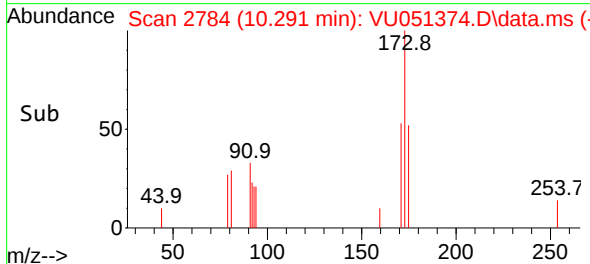
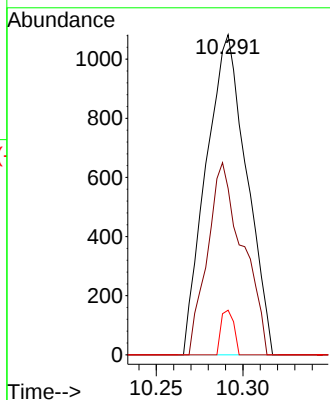
Tgt Ion:173 Resp: 1762
Ion Ratio Lower Upper
173 100
175 52.2 39.0 58.4
254 4.4 7.5 11.3

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Reviewed By :Krupa
Patel

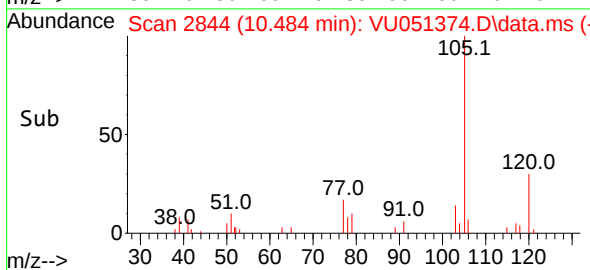
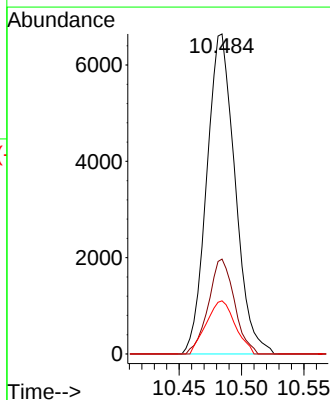
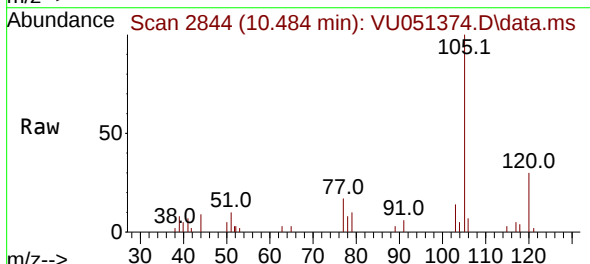
10/12/2022
Supervised By :Mahesh
Dadoda

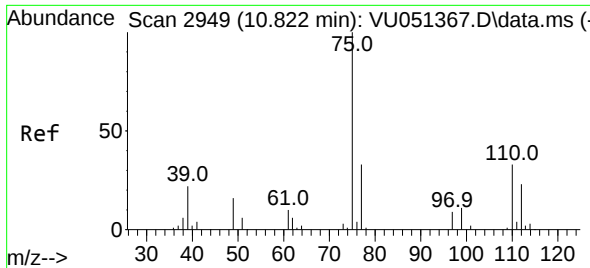
10/12/2022



#60
Isopropylbenzene
Concen: 0.194 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

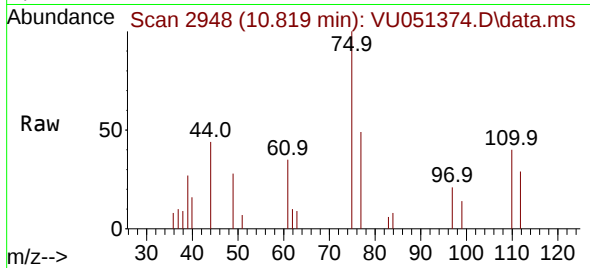
Tgt Ion:105 Resp: 10499
Ion Ratio Lower Upper
105 100
120 27.2 20.6 30.8
77 16.9 13.5 20.3





#61
1,2,3-Trichloropropane
Concen: 0.261 ug/L
RT: 10.819 min Scan# 2949
Delta R.T. -0.003 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

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



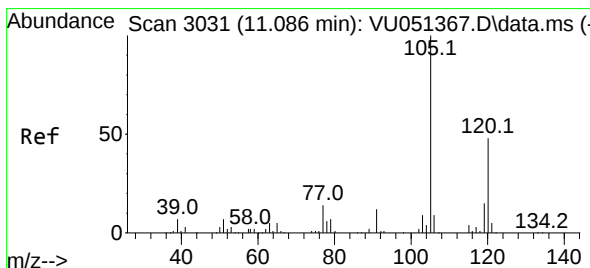
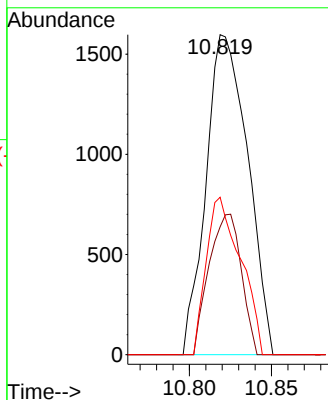
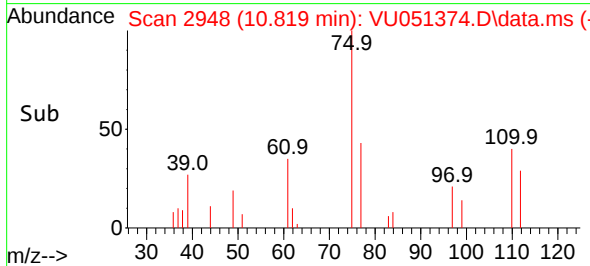
Tgt Ion: 75 Resp: 2820
Ion Ratio Lower Upper
75 100
110 34.0 27.0 40.6
77 40.5 26.4 39.6

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Reviewed By :Krupa
Patel

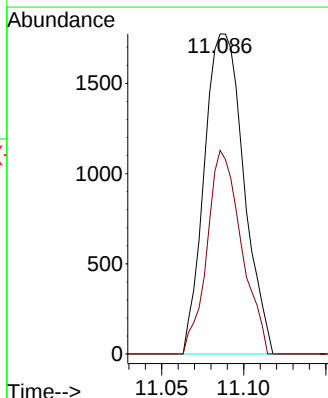
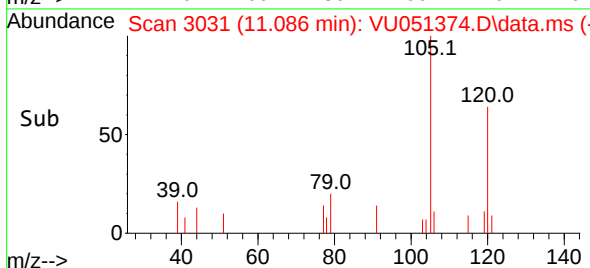
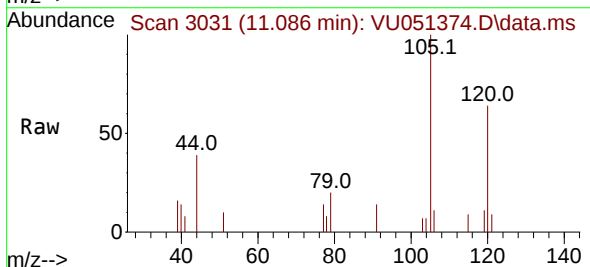
10/12/2022
Supervised By :Mahesh
Dadoda

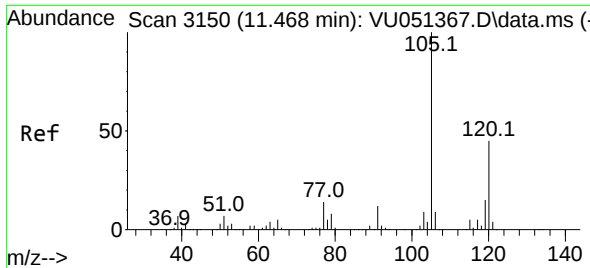
10/12/2022



#62
1,3,5-Trimethylbenzene
Concen: 0.206 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.000 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

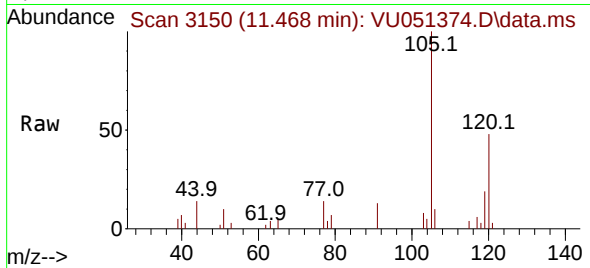
Tgt Ion:105 Resp: 2971
Ion Ratio Lower Upper
105 100
120 55.3 37.7 56.5





#63
1,2,4-Trimethylbenzene
Concen: 0.182 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

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



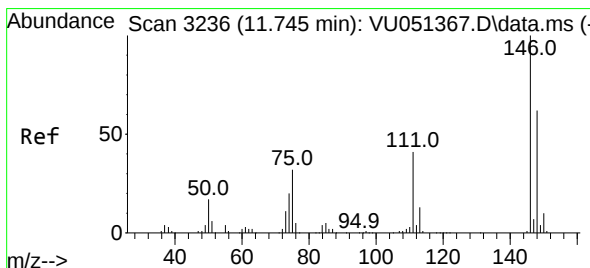
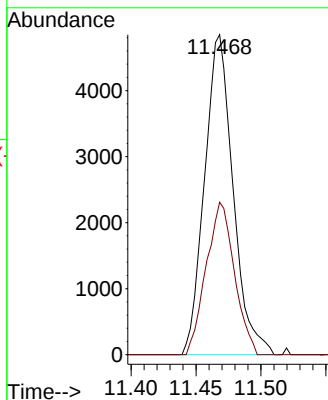
Tgt Ion:105 Resp: 7388
Ion Ratio Lower Upper
105 100
120 47.2 35.6 53.4

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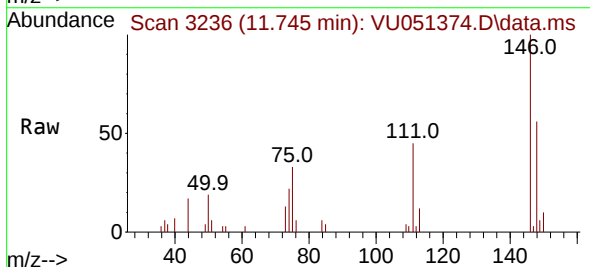
Reviewed By :Krupa
Patel

10/12/2022
Supervised By :Mahesh
Dadoda

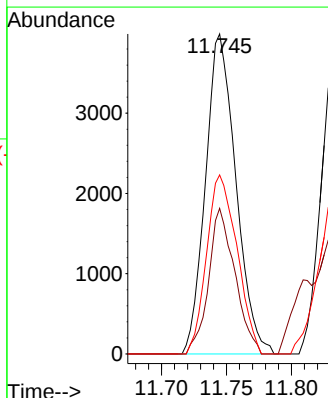
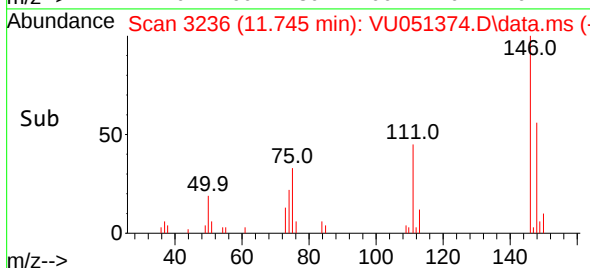
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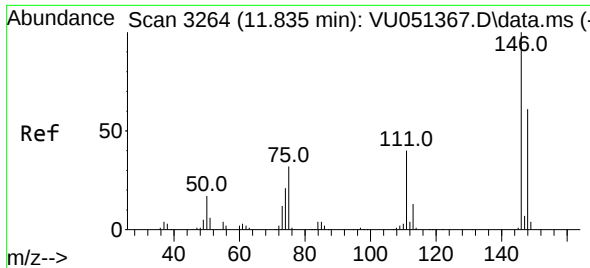


#64
1,3-Dichlorobenzene
Concen: 0.242 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.000 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03



Tgt Ion:146 Resp: 6481
Ion Ratio Lower Upper
146 100
111 45.5 28.3 52.7
148 56.0 43.8 81.4





#65
1,4-Dichlorobenzene
Concen: 0.236 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.003 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

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

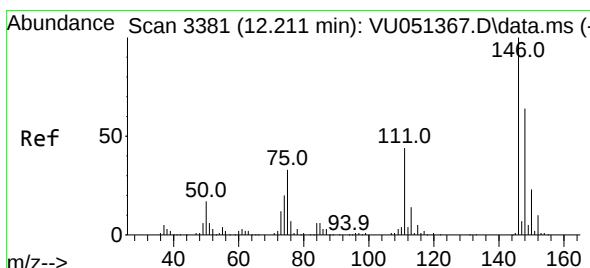
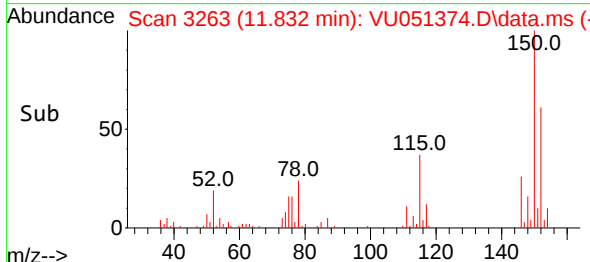
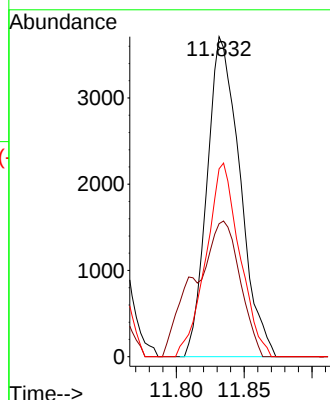
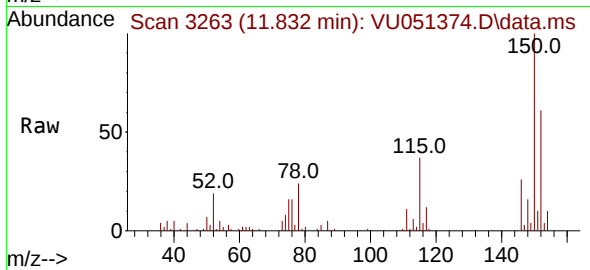
Tgt Ion:146 Resp: 625
Ion Ratio Lower Upper
146 100
111 41.6 29.1 54.1
148 58.7 44.2 82.0

Manual Integrations
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Reviewed By :Krupa
Patel

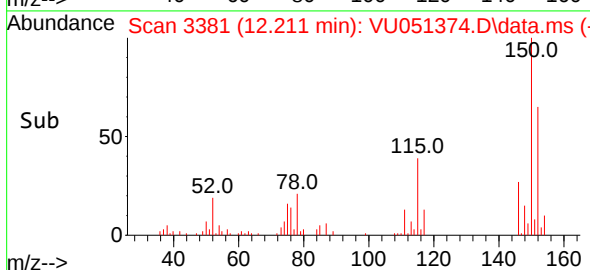
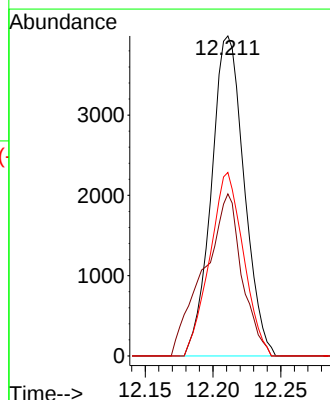
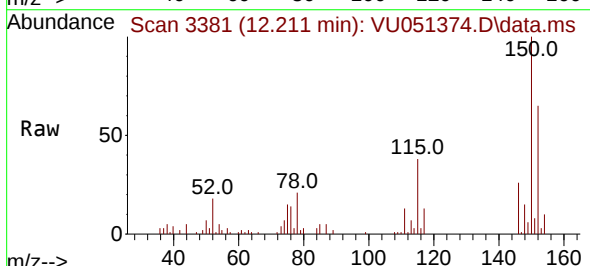
10/12/2022
Supervised By :Mahesh
Dadoda

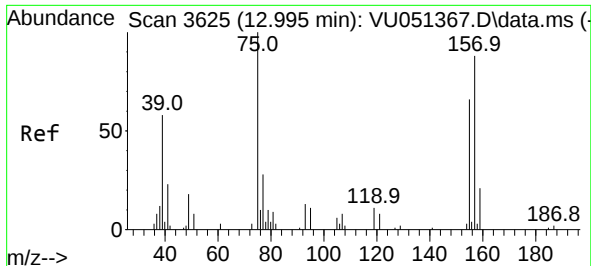
10/12/2022



#67
1,2-Dichlorobenzene
Concen: 0.257 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

Tgt Ion:146 Resp: 6707
Ion Ratio Lower Upper
146 100
111 50.6 35.5 53.3
148 57.3 50.9 76.3





#68

1,2-Dibromo-3-chloropropane

Concen: 0.263 ug/L

RT: 13.002 min Scan# 3625

Delta R.T. 0.006 min

Lab File: VU051374.D

Acq: 11 Oct 2022 16:03

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2022-08

Tgt Ion: 75	Resp: 544
Ion Ratio	Lower Upper
75 100	
155 48.9	62.7 94.1
157 89.3	78.3 117.5

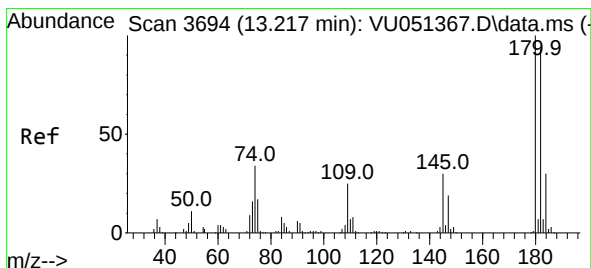
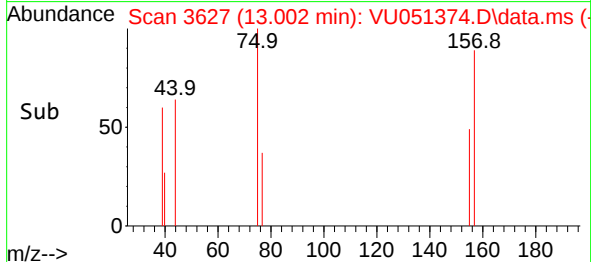
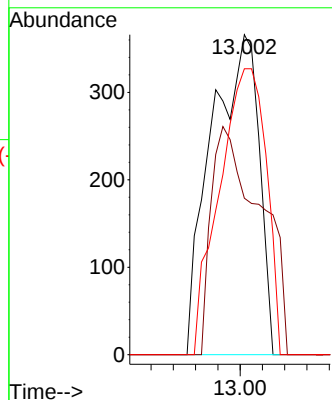
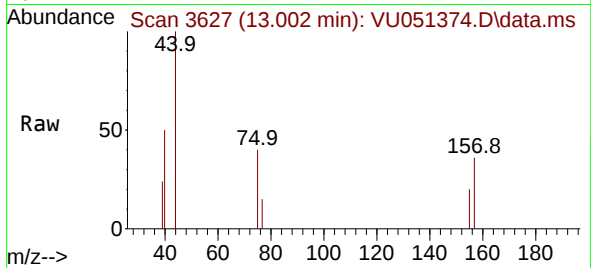
Manual Integrations
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Reviewed By :Krupa
Patel

10/12/2022

Supervised By :Mahesh
Dadoda

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#69

1,3,5-Trichlorobenzene

Concen: 0.250 ug/L

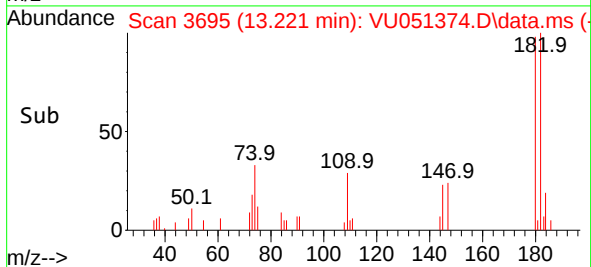
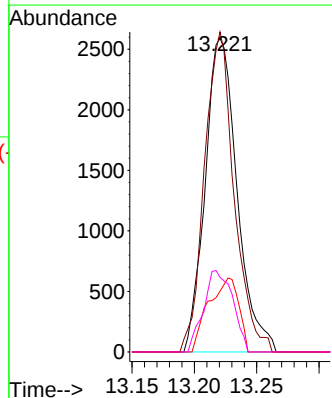
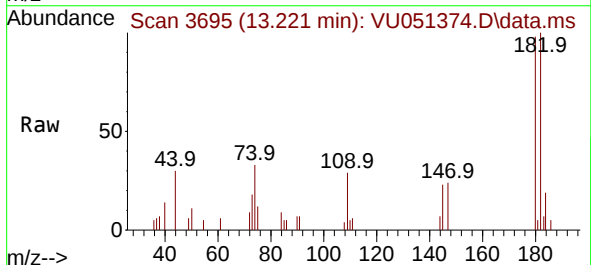
RT: 13.221 min Scan# 3695

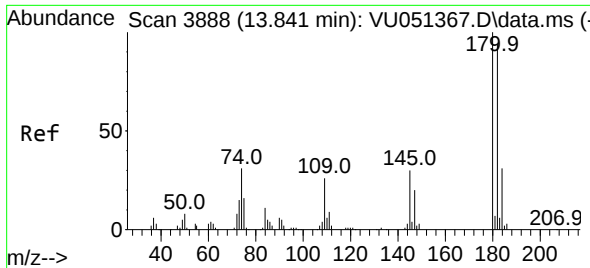
Delta R.T. 0.003 min

Lab File: VU051374.D

Acq: 11 Oct 2022 16:03

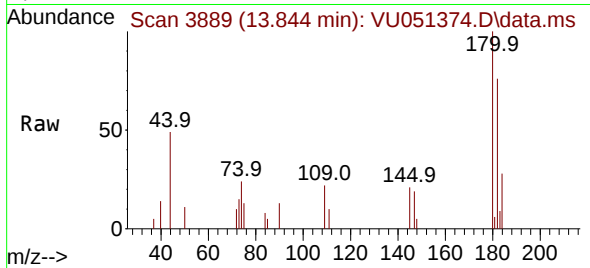
Tgt Ion:180	Resp: 4623
Ion Ratio	Lower Upper
180 100	
182 94.4	77.7 116.5
184 22.2	23.6 35.4
145 23.7	23.4 35.2





#70
1,2,4-trichlorobenzene
Concen: 0.261 ug/L
RT: 13.844 min Scan# 3888
Delta R.T. 0.003 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

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



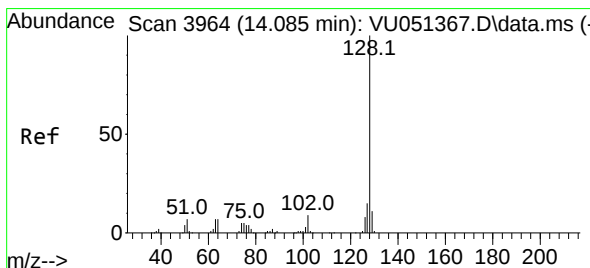
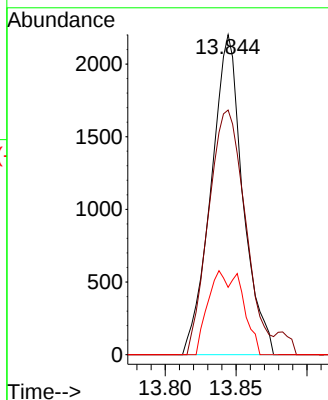
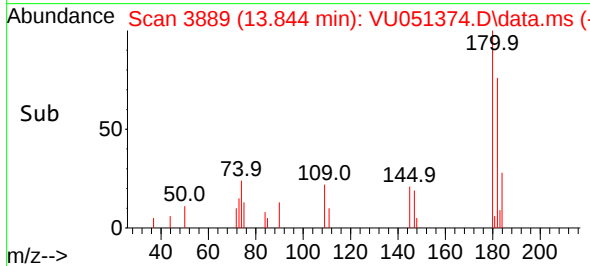
Tgt Ion:180 Resp: 343
Ion Ratio Lower Upper
180 100
182 88.4 78.7 118.1
145 16.6 25.0 37.4

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Reviewed By :Krupa
Patel

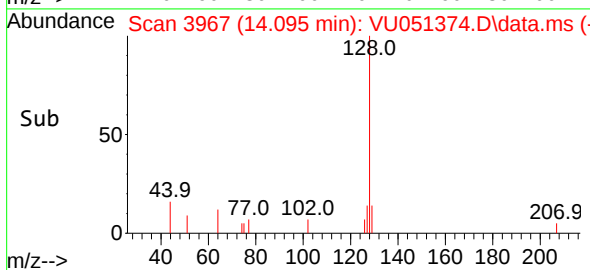
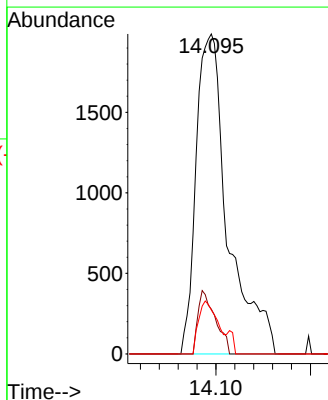
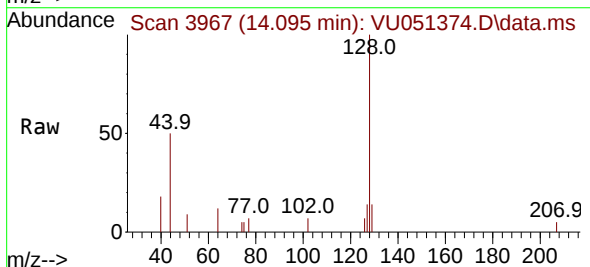
10/12/2022
Supervised By :Mahesh
Dadoda

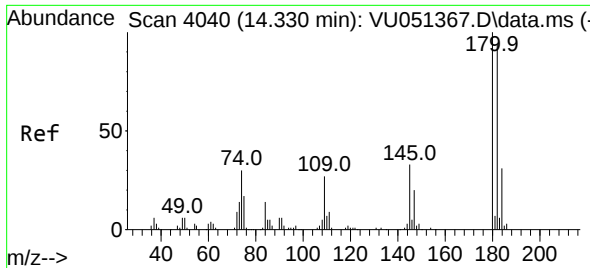
10/12/2022



#71
Naphthalene
Concen: 0.190 ug/L
RT: 14.095 min Scan# 3967
Delta R.T. 0.010 min
Lab File: VU051374.D
Acq: 11 Oct 2022 16:03

Tgt Ion:128 Resp: 4640
Ion Ratio Lower Upper
128 100
129 10.8 8.5 12.7
127 11.2 11.1 16.7





#72

1,2,3-Trichlorobenzene

Concen: 0.208 ug/L

RT: 14.327 min Scan# 40

Delta R.T. -0.003 min

Lab File: VU051374.D

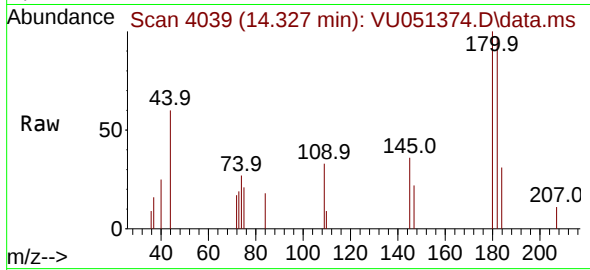
Acq: 11 Oct 2022 16:03

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2022-08



Tgt Ion:180 Resp: 2834

Ion Ratio Lower Upper

180 100

182 93.5 76.6 114.8

145 35.3 25.8 38.8

Manual Integrations

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Reviewed By :Krupa
Patel

10/12/2022

Supervised By :Mahesh
Dadoda

10/12/2022

