

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071222\
 Data File : VU049689.D
 Acq On : 12 Jul 2022 12:55
 Operator : SY/MD
 Sample : N3670-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2022-03

Quant Time: Jul 13 08:14:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 13 06:51:38 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 07/13/2022
 Supervised By :Mahesh Dadoda 07/13/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	196782	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	189798	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	87635	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	75627	45.549	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.100%		
7) Chloroethane-d5	1.906	69	60069	50.051	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	100.100%		
11) 1,1-Dichloroethene-d2	2.565	63	103556	35.310	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.620%		
21) 2-Butanone-d5	4.620	46	165886	117.037	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	117.040%		
24) Chloroform-d	5.064	84	151186	51.411	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.820%		
26) 1,2-Dichloroethane-d4	5.700	65	107810	54.168	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	108.340%		
32) Benzene-d6	5.726	84	290430	50.369	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.740%		
36) 1,2-Dichloropropane-d6	6.690	67	102197	52.694	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	105.380%		
41) Toluene-d8	7.899	98	248924	49.573	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.140%		
43) trans-1,3-Dichloroprop...	8.179	79	42259	51.716	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	103.440%		
47) 2-Hexanone-d5	8.633	63	95058	108.960	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	108.960%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	142691	52.582	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	105.160%		
66) 1,2-Dichlorobenzene-d4	12.192	152	88071	53.302	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	106.600%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	5139	2.179	ug/L	100
3) Chloromethane	1.520	50	7082	2.736	ug/L	96
5) Vinyl chloride	1.604	62	5832	2.493	ug/L	89
6) Bromomethane	1.845	94	2948	2.727	ug/L	89
8) Chloroethane	1.925	64	3330	2.570	ug/L	89
9) Trichlorofluoromethane	2.134	101	7113	2.462	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	4366	2.880	ug/L	87
12) 1,1-Dichloroethene	2.578	96	3941	2.801	ug/L #	1
13) Acetone	2.630	43	7489	5.560	ug/L	98
14) Carbon disulfide	2.790	76	11164	2.353	ug/L	99
15) Methyl Acetate	2.951	43	6167	2.818	ug/L	94
16) Methylene chloride	3.048	84	5660	3.195	ug/L	94
17) trans-1,2-Dichloroethene	3.347	96	3740	2.430	ug/L	86
18) Methyl tert-butyl Ether	3.363	73	13309	2.525	ug/L	99
19) 1,1-Dichloroethane	3.871	63	8568	2.674	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	4881	2.822	ug/L	77
22) 2-Butanone	4.713	43	10100	5.600	ug/L	78
23) Bromochloromethane	4.977	128	2250	2.607	ug/L	91
25) Chloroform	5.089	83	9051	2.817	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	7781	2.844	ug/L #	95
29) Cyclohexane	5.388	56	6247	2.109	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	6831	2.486	ug/L	97
31) Carbon tetrachloride	5.530	117	5467	2.433	ug/L	96
33) Benzene	5.774	78	17439	2.444	ug/L	100
34) Trichloroethene	6.543	95	4304	2.496	ug/L	97
35) Methylcyclohexane	6.761	83	6439	2.376	ug/L	97
37) 1,2-Dichloropropane	6.793	63	5113	2.586	ug/L #	89
38) Bromodichloromethane	7.105	83	6140	2.504	ug/L	92
39) cis-1,3-Dichloropropene	7.610	75	7249	2.718	ug/L	95
40) 4-Methyl-2-pentanone	7.793	43	16359	5.110	ug/L	99
42) Toluene	7.967	91	17547	2.475	ug/L	97
44) trans-1,3-Dichloropropene	8.211	75	6160	2.460	ug/L	89
45) 1,1,2-Trichloroethane	8.401	97	4451	2.579	ug/L	97
46) Tetrachloroethene	8.555	164	2770	2.316	ug/L	93
48) 2-Hexanone	8.684	43	19852	7.760	ug/L	95
49) Dibromochloromethane	8.809	129	4330	2.494	ug/L	92
50) 1,2-Dibromoethane	8.925	107	4250	2.479	ug/L #	99
51) Chlorobenzene	9.446	112	10770	2.508	ug/L	97
52) Ethylbenzene	9.571	91	17034	2.277	ug/L	97
53) m,p-Xylene	9.694	106	6126	2.252	ug/L	94
54) o-Xylene	10.099	106	6366	2.324	ug/L	92
55) Styrene	10.115	104	9592	2.122	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.784	83	8246	2.669	ug/L	95
59) Bromoform	10.292	173	2934	2.496	ug/L #	97
60) 1,2,3-Trichloropropane	10.825	75	6384	2.735	ug/L	97
61) Isopropylbenzene	10.485	105	15326	2.342	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	12412	2.249	ug/L	93
63) 1,2,4-Trimethylbenzene	11.468	105	11724	2.138	ug/L	95
64) 1,3-Dichlorobenzene	11.748	146	6982	2.444	ug/L	93
65) 1,4-Dichlorobenzene	11.838	146	7661	2.670	ug/L	92
67) 1,2-Dichlorobenzene	12.214	146	8015	2.698	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.999	75	1825	2.668	ug/L	89
69) 1,3,5-Trichlorobenzene	13.221	180	4999m	2.497	ug/L	
70) 1,2,4-trichlorobenzene	13.848	180	4363	2.375	ug/L	96
71) Naphthalene	14.089	128	14485	2.206	ug/L	98
72) 1,2,3-Trichlorobenzene	14.333	180	4260	2.239	ug/L	97

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

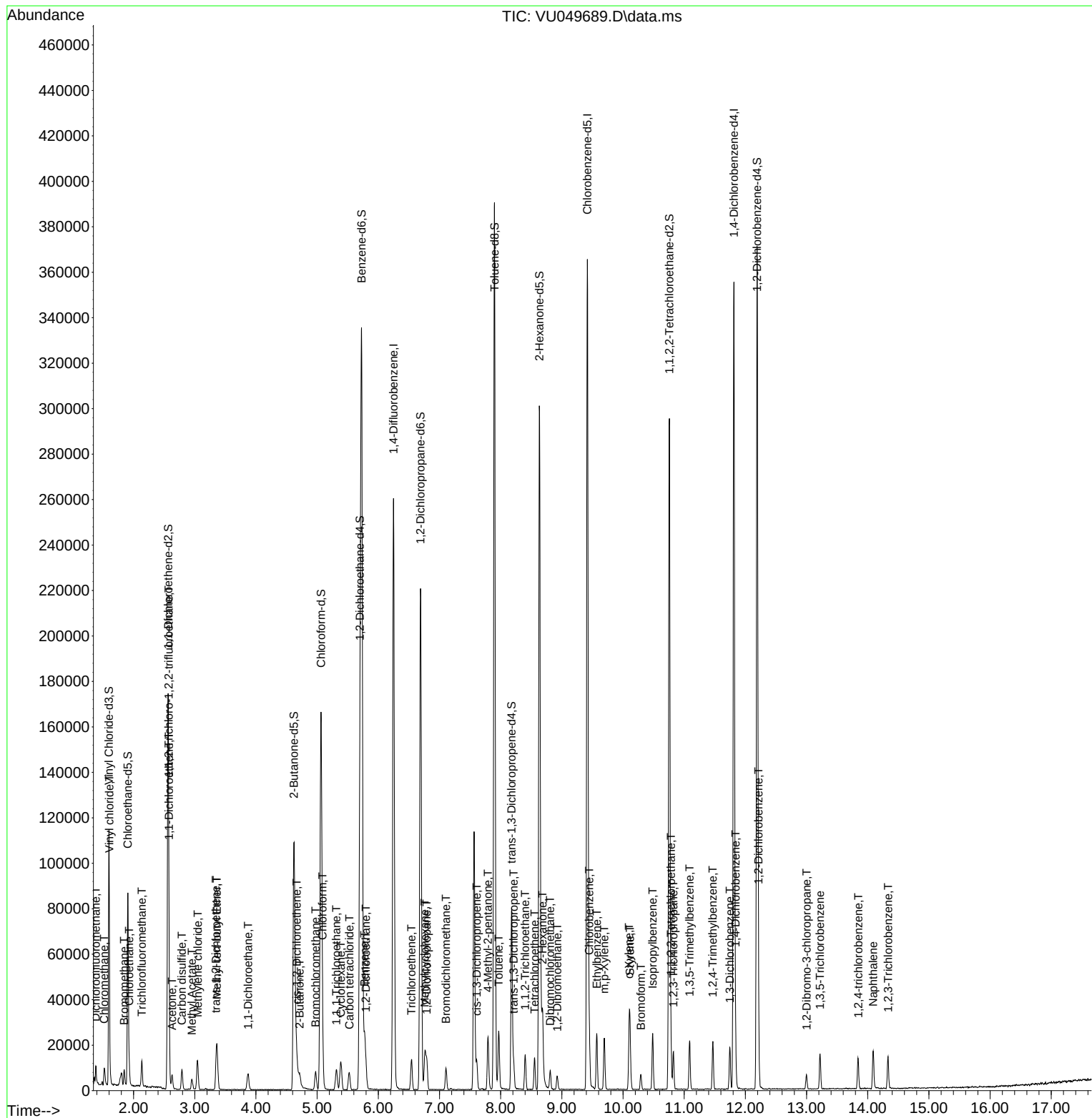
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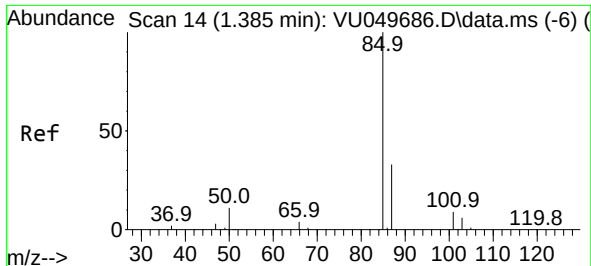
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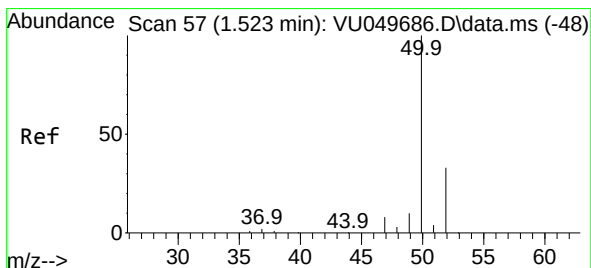
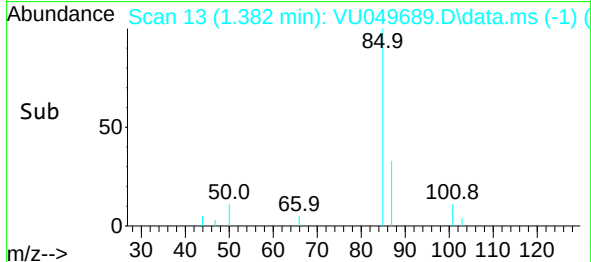
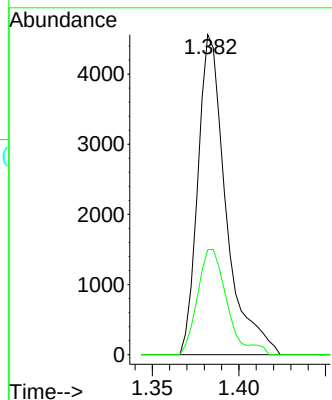
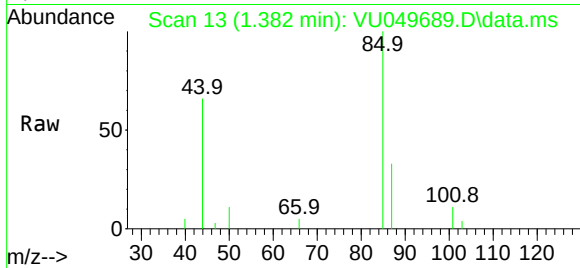
#2
Dichlorodifluoromethane
Concen: 2.179 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

Tgt Ion: 85 Resp: 5139
Ion Ratio Lower Upper
85 100
87 33.1 26.3 39.5

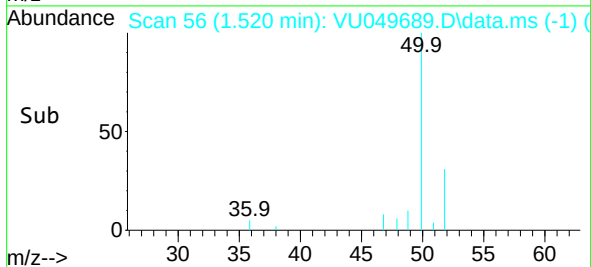
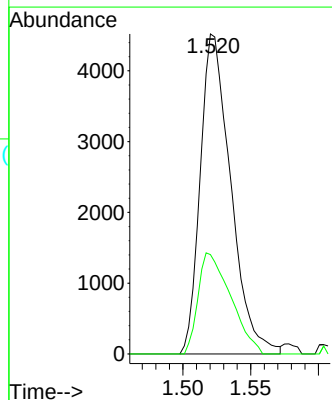
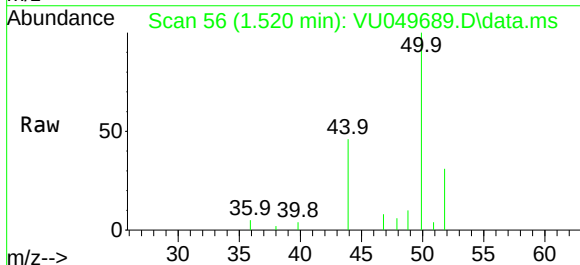
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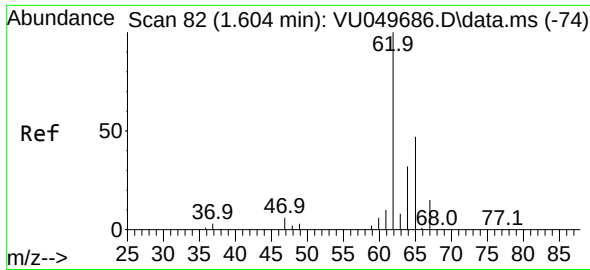
Reviewed By :Krupa Patel 07/13/2022
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#3
Chloromethane
Concen: 2.736 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

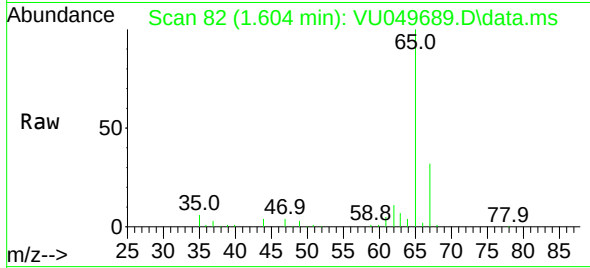
Tgt Ion: 50 Resp: 7082
Ion Ratio Lower Upper
50 100
52 31.1 23.2 43.0





#5
 Vinyl chloride
 Concen: 2.493 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU049689.D
 Acq: 12 Jul 2022 12:55

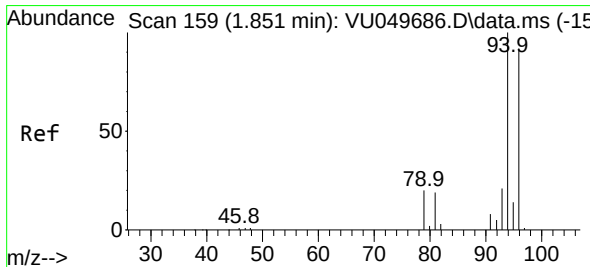
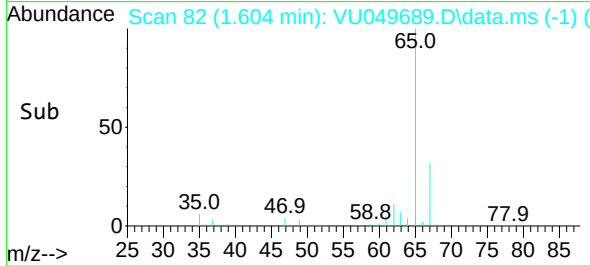
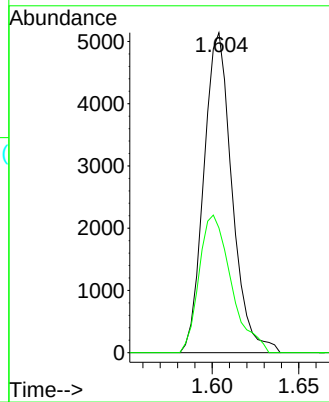
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2022-03



Tgt Ion: 62 Resp: 5832
 Ion Ratio Lower Upper
 62 100
 64 39.0 23.0 42.6

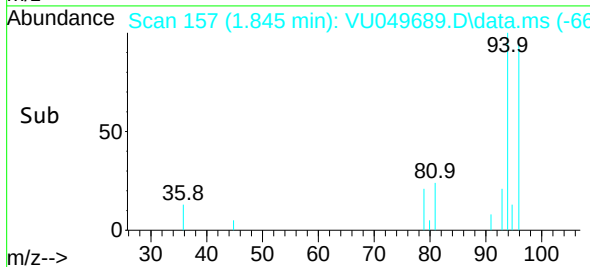
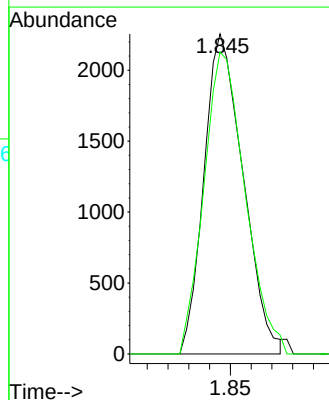
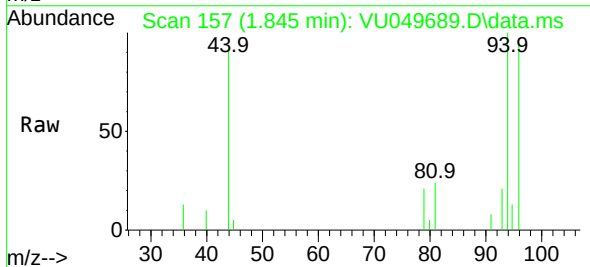
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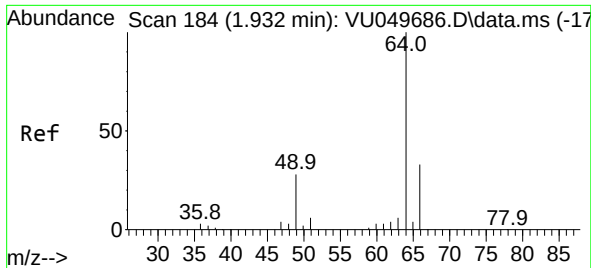
Reviewed By :Krupa Patel 07/13/2022
 Supervised By :Mahesh Dadoda 07/13/2022



#6
 Bromomethane
 Concen: 2.727 ug/L
 RT: 1.845 min Scan# 157
 Delta R.T. -0.006 min
 Lab File: VU049689.D
 Acq: 12 Jul 2022 12:55

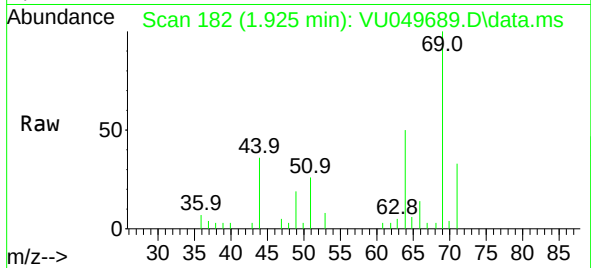
Tgt Ion: 94 Resp: 2948
 Ion Ratio Lower Upper
 94 100
 96 83.5 66.1 122.7





#8
Chloroethane
Concen: 2.570 ug/L
RT: 1.925 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

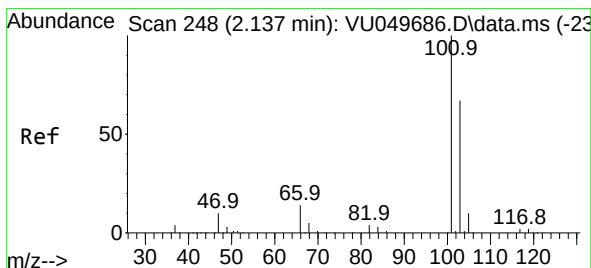
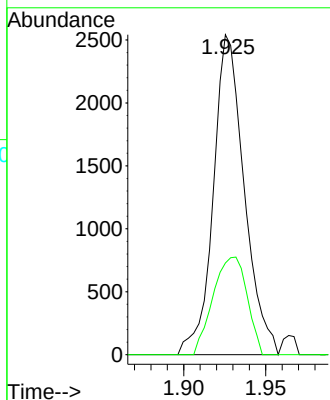
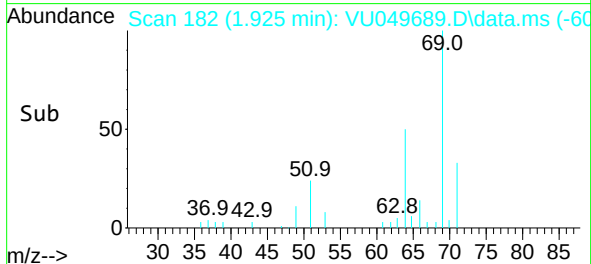
Instrument :
MSVOA_U
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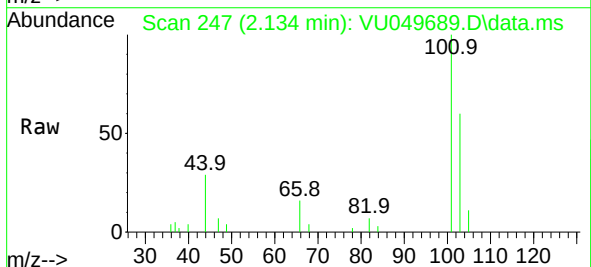
Tgt Ion: 64 Resp: 3330
Ion Ratio Lower Upper
64 100
66 25.6 22.1 41.1

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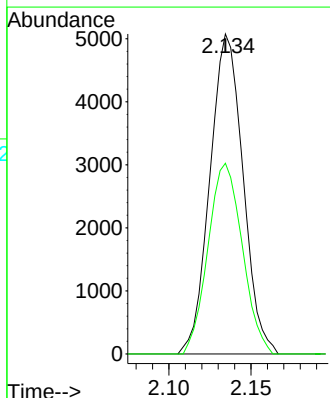
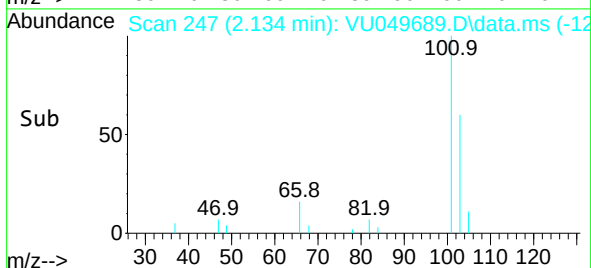
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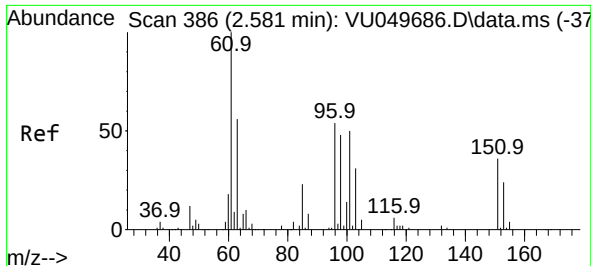


#9
Trichlorofluoromethane
Concen: 2.462 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55



Tgt Ion:101 Resp: 7113
Ion Ratio Lower Upper
101 100
103 61.7 52.2 78.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.880 ug/L

RT: 2.575 min Scan# 386

Delta R.T. -0.006 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

Instrument :

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ClientSampleId :

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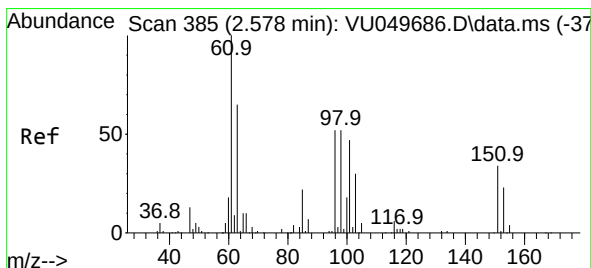
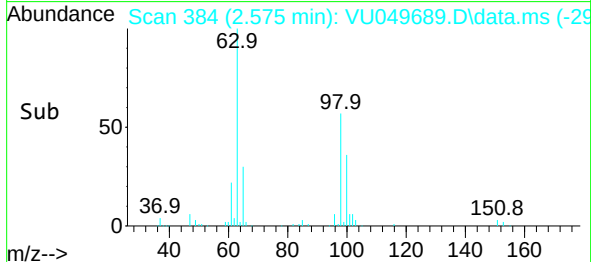
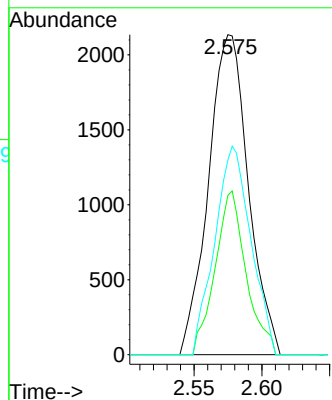
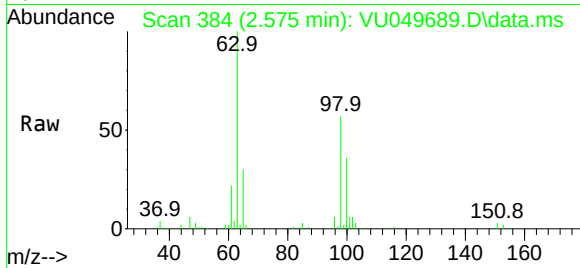
Tgt Ion:	101	Resp:	4360
Ion Ratio	Lower	Upper	
101	100		
85	39.9	37.3	55.9
151	59.1	56.9	85.3

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#12

1,1-Dichloroethene

Concen: 2.801 ug/L

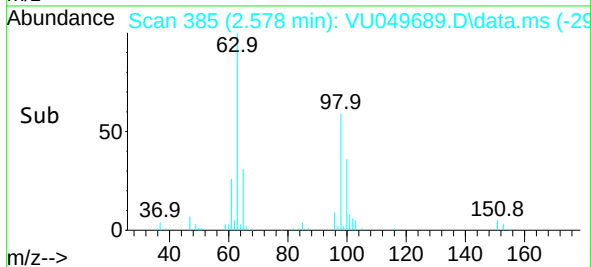
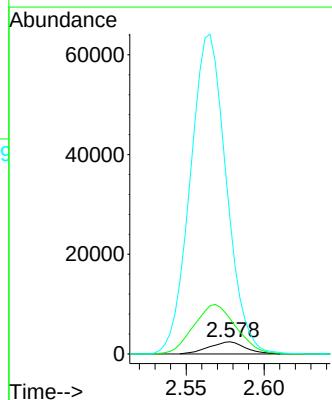
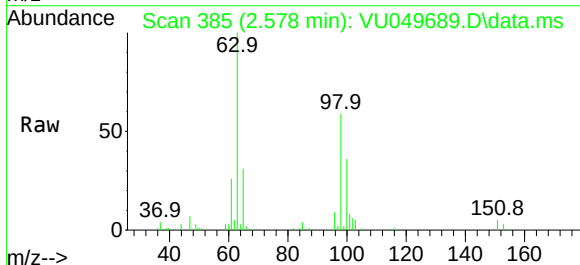
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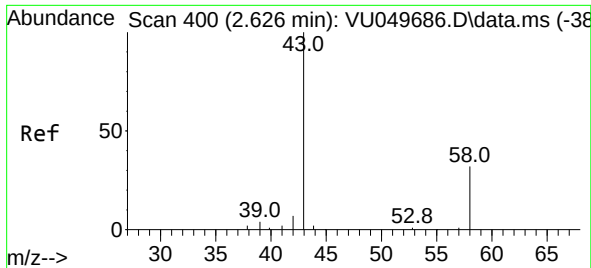
Delta R.T. 0.000 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

Tgt Ion:	96	Resp:	3941
Ion Ratio	Lower	Upper	
96	100		
61	287.6	129.6	240.6#
63	1098.4	79.0	146.6#





#13

Acetone

Concen: 5.560 ug/L

RT: 2.630 min Scan# 400

Delta R.T. 0.003 min

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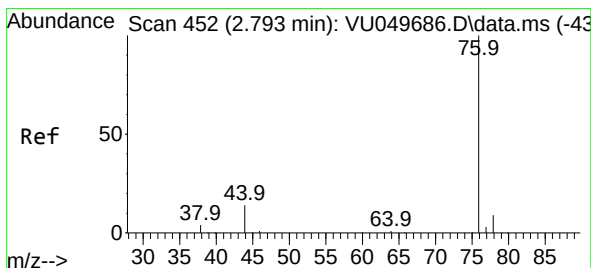
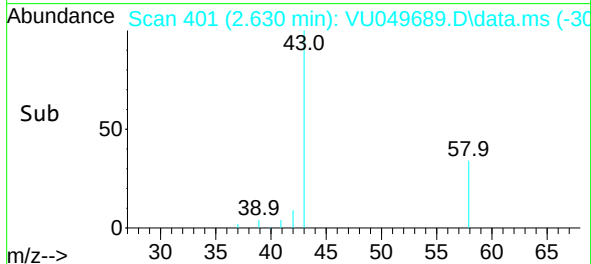
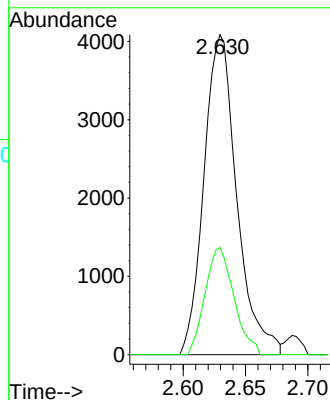
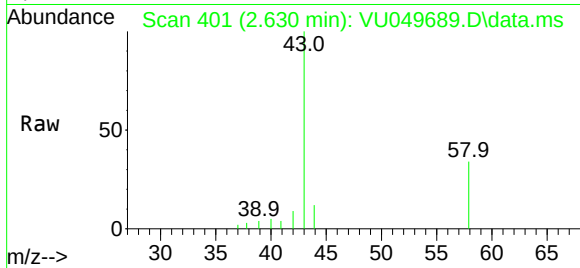
Tgt Ion: 43 Resp: 7489
 Ion Ratio Lower Upper
 43 100
 58 29.4 0.0 61.4

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#14

Carbon disulfide

Concen: 2.353 ug/L

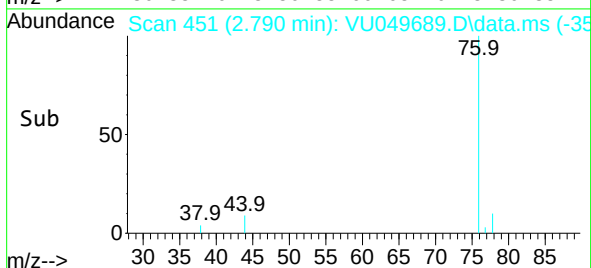
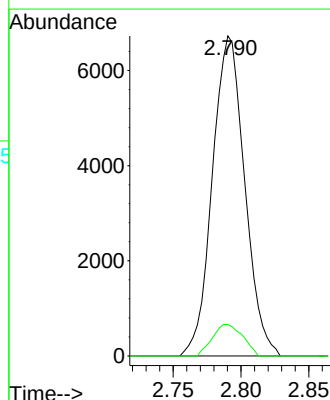
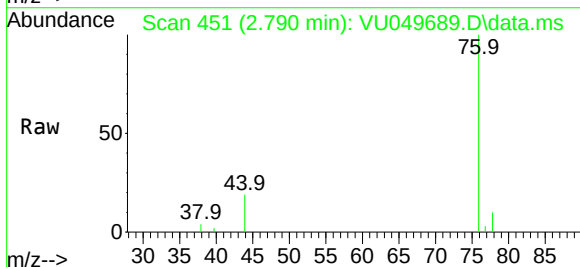
RT: 2.790 min Scan# 451

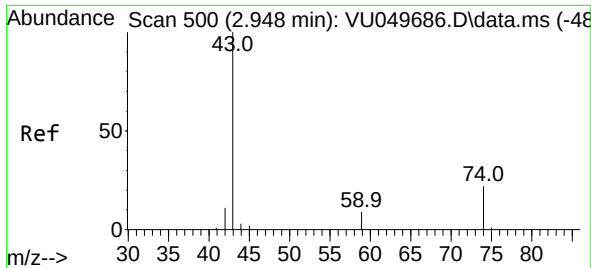
Delta R.T. -0.003 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

Tgt Ion: 76 Resp: 11164
 Ion Ratio Lower Upper
 76 100
 78 9.8 7.6 11.4





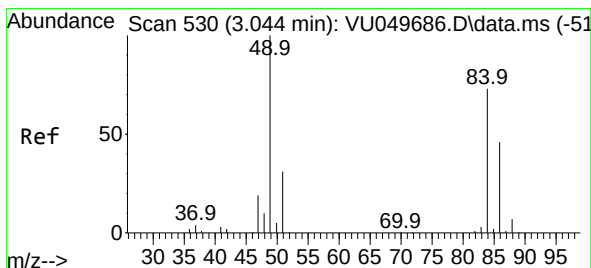
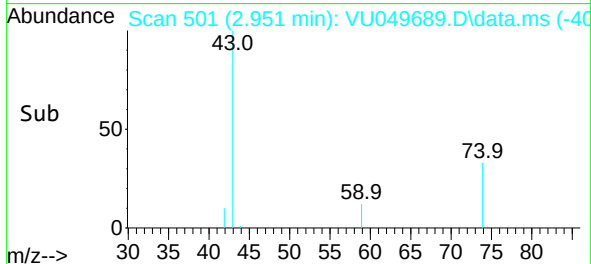
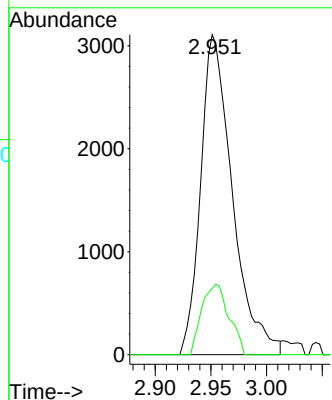
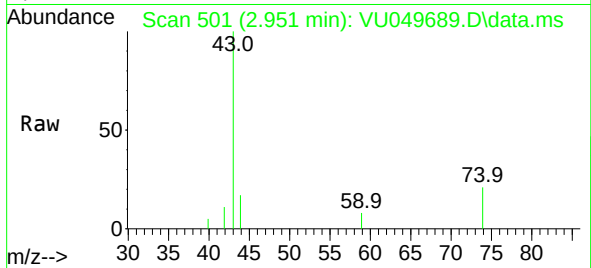
#15
Methyl Acetate
Concen: 2.818 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

Tgt Ion: 43 Resp: 616
Ion Ratio Lower Upper
43 100
74 18.8 17.4 26.0

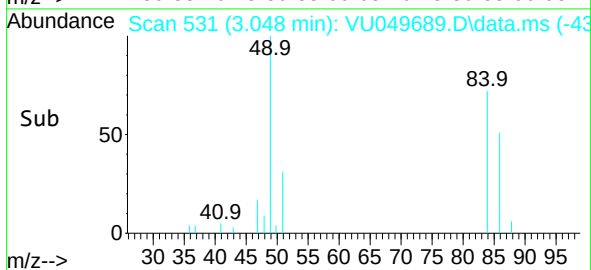
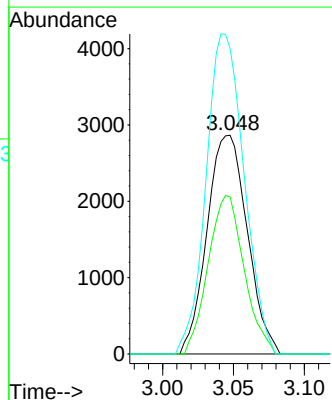
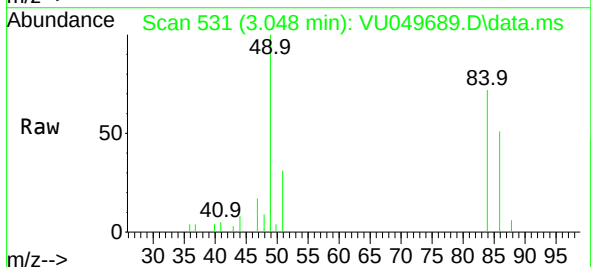
Manual Integrations
APPROVED

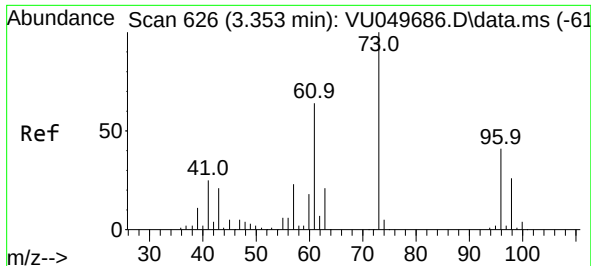
Reviewed By :Krupa Patel 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#16
Methylene chloride
Concen: 3.195 ug/L
RT: 3.048 min Scan# 531
Delta R.T. 0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

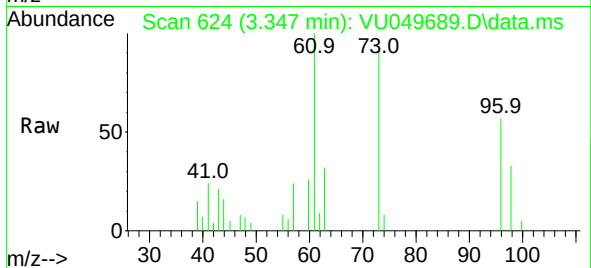
Tgt Ion: 84 Resp: 5660
Ion Ratio Lower Upper
84 100
86 71.9 45.6 84.6
49 139.7 94.4 175.4





#17
trans-1,2-Dichloroethene
Concen: 2.430 ug/L
RT: 3.347 min Scan# 61
Delta R.T. -0.006 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

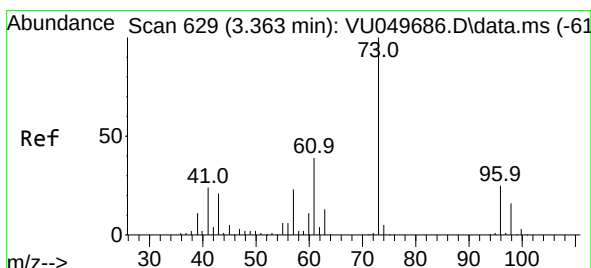
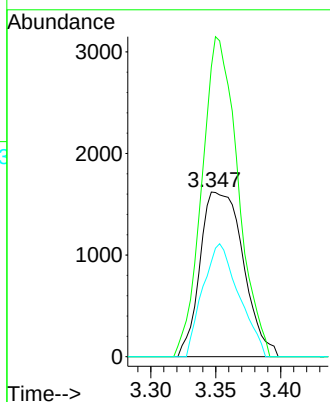
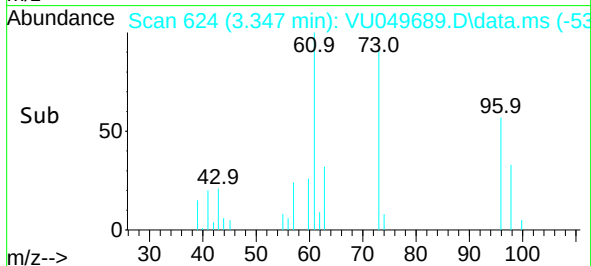
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03



Tgt Ion: 96 Resp: 3740
Ion Ratio Lower Upper
96 100
61 175.9 107.6 199.8
98 57.6 44.6 82.8

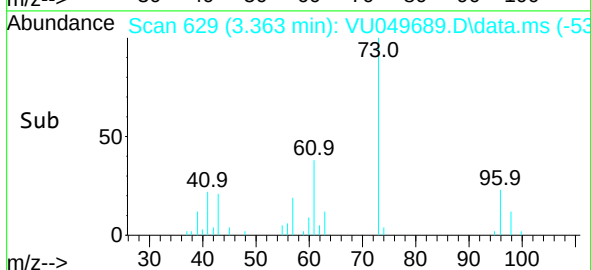
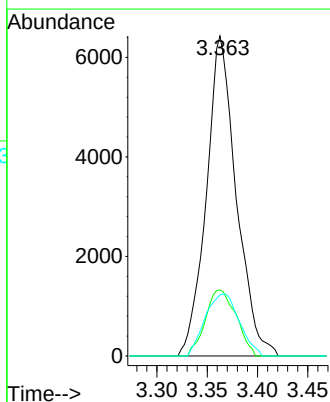
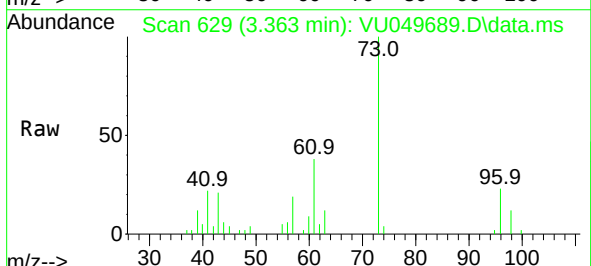
Manual Integrations
APPROVED

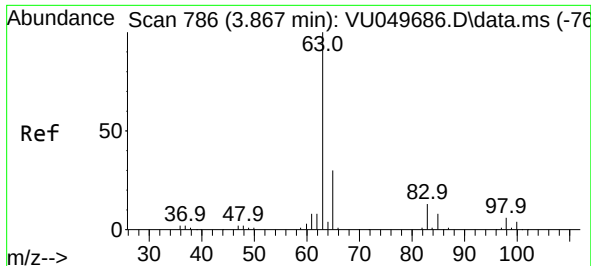
Reviewed By :Krupa Patel 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#18
Methyl tert-butyl Ether
Concen: 2.525 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Tgt Ion: 73 Resp: 13309
Ion Ratio Lower Upper
73 100
43 21.2 17.0 25.4
57 22.0 18.5 27.7





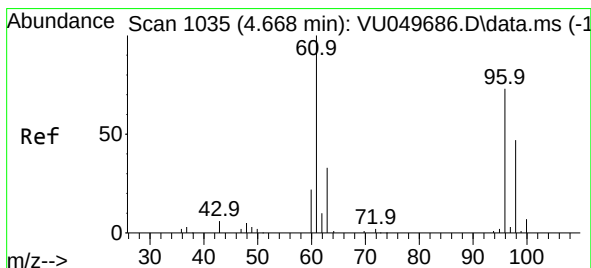
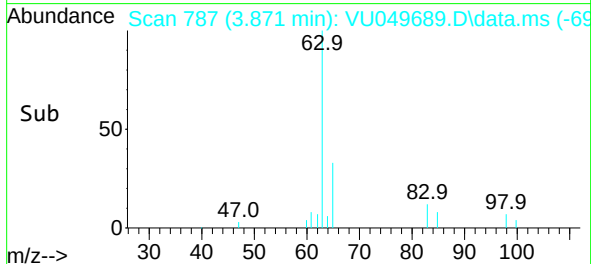
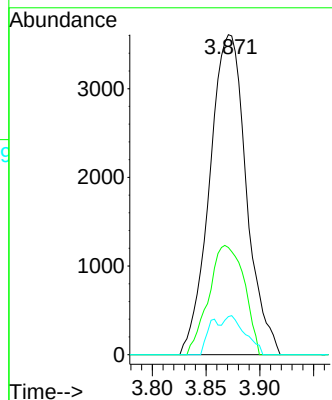
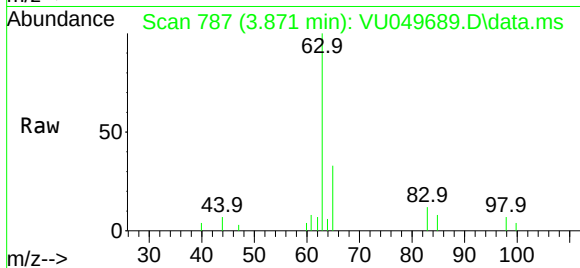
#19
1,1-Dichloroethane
Concen: 2.674 ug/L
RT: 3.871 min Scan# 786
Delta R.T. 0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

Tgt Ion: 63 Resp: 856
Ion Ratio Lower Upper
63 100
65 33.5 22.6 42.0
83 11.9 9.2 17.2

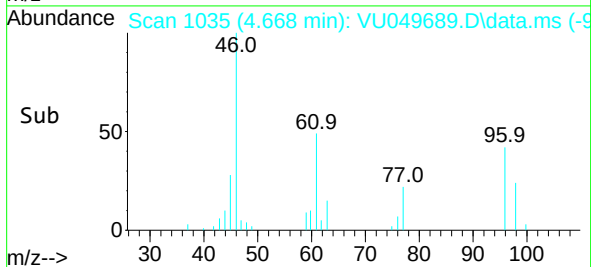
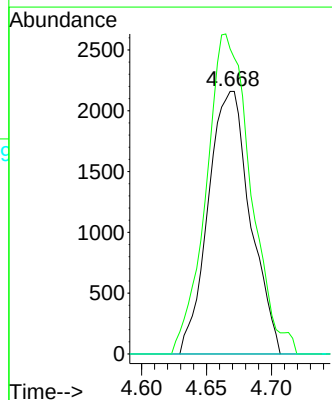
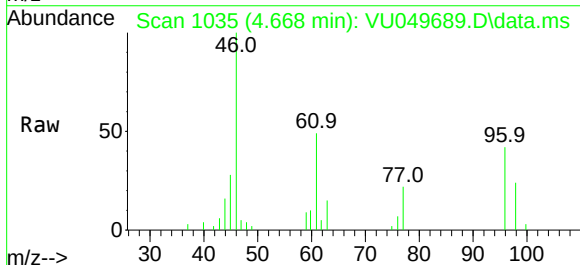
Manual Integrations
APPROVED

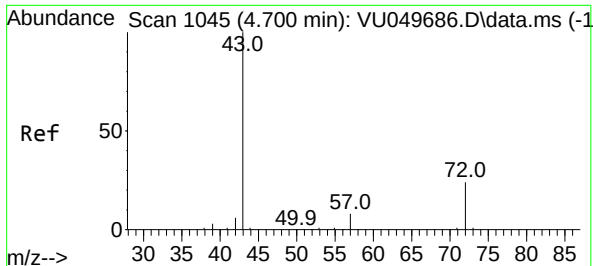
Reviewed By :Krupa Patel 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#20
cis-1,2-Dichloroethene
Concen: 2.822 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

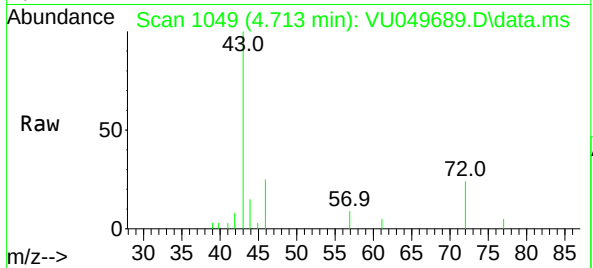
Tgt Ion: 96 Resp: 4881
Ion Ratio Lower Upper
96 100
61 116.2 101.1 187.7
68 0.0 0.0 0.0





#22
2-Butanone
Concen: 5.600 ug/L
RT: 4.713 min Scan# 1049
Delta R.T. 0.013 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

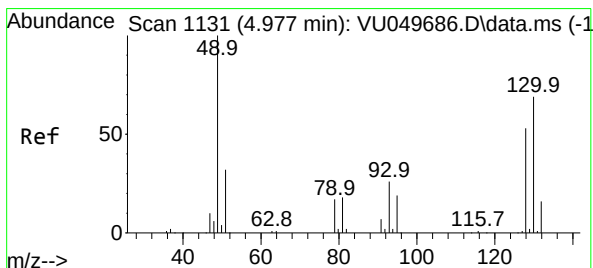
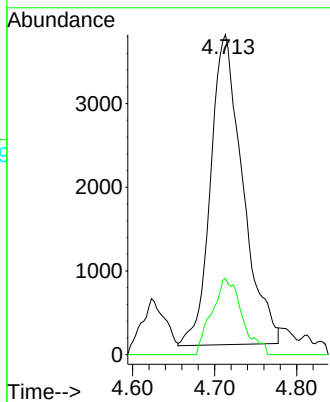
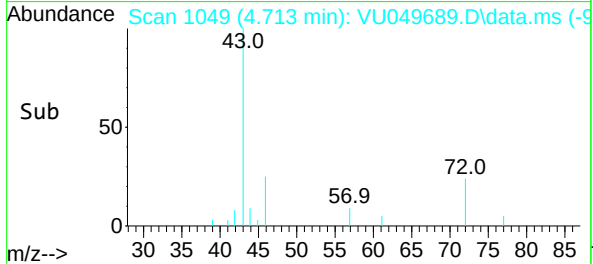
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03



Tgt Ion: 43 Resp: 10100
Ion Ratio Lower Upper
43 100
72 14.3 12.7 38.0

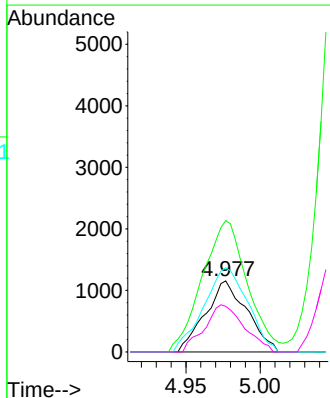
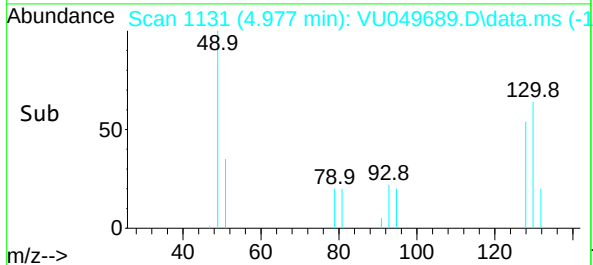
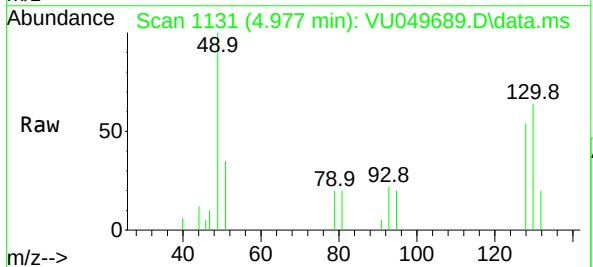
Manual Integrations
APPROVED

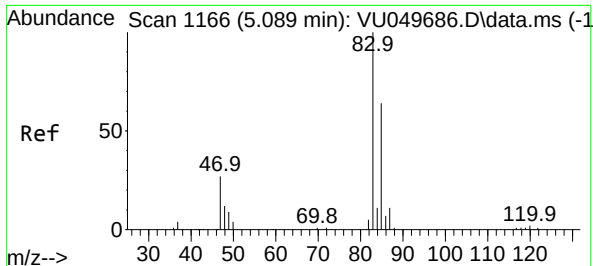
Reviewed By :Krupa Patel 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#23
Bromochloromethane
Concen: 2.607 ug/L
RT: 4.977 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Tgt Ion:128 Resp: 2250
Ion Ratio Lower Upper
128 100
49 185.0 140.9 261.7
130 118.5 90.0 167.2
51 64.3 48.9 73.3





#25

Chloroform

Concen: 2.817 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2022-03

Tgt Ion: 83 Resp: 905

Ion Ratio Lower Upper

83 100

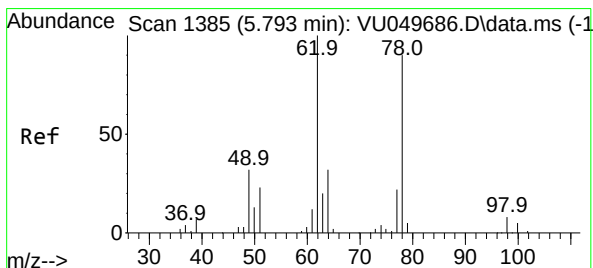
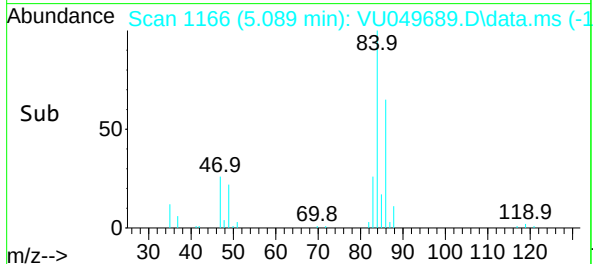
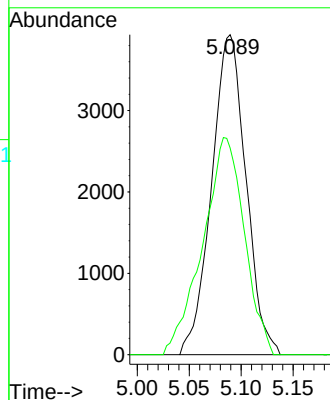
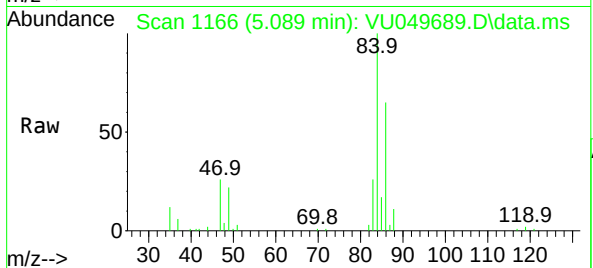
85 64.6 45.2 84.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/13/2022

Supervised By :Mahesh Dadoda 07/13/2022



#27

1,2-Dichloroethane

Concen: 2.844 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.003 min

Lab File: VU049689.D

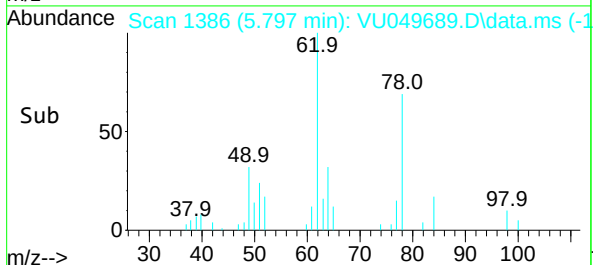
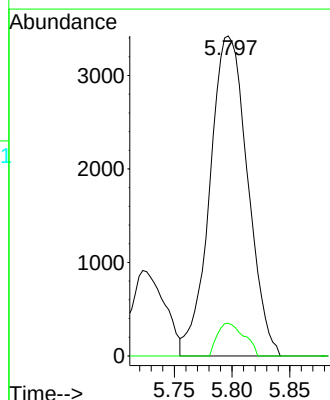
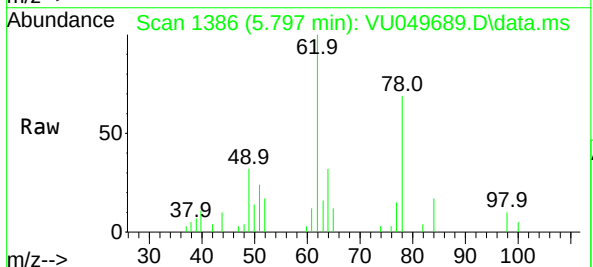
Acq: 12 Jul 2022 12:55

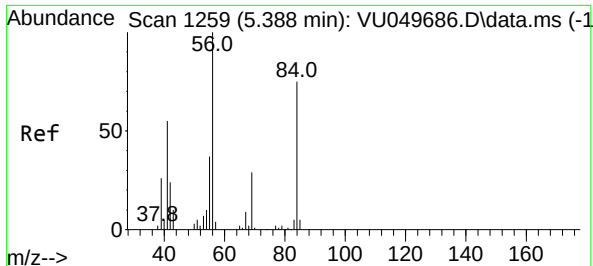
Tgt Ion: 62 Resp: 7781

Ion Ratio Lower Upper

62 100

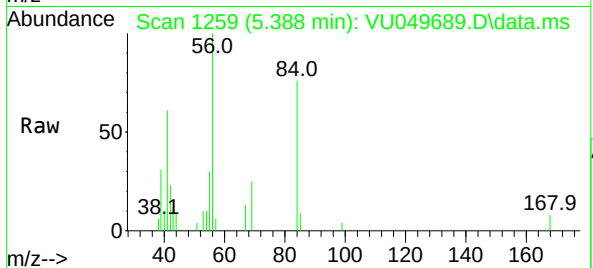
98 10.2 6.7 10.1#





#29
Cyclohexane
Concen: 2.109 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

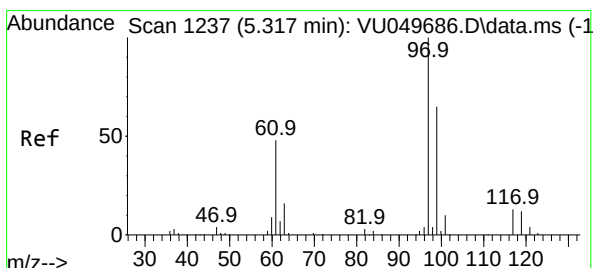
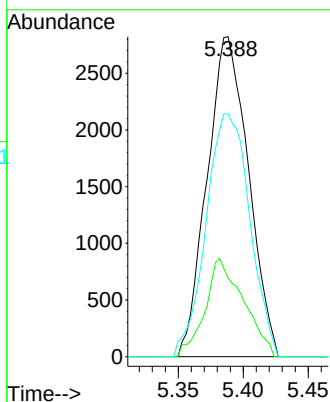
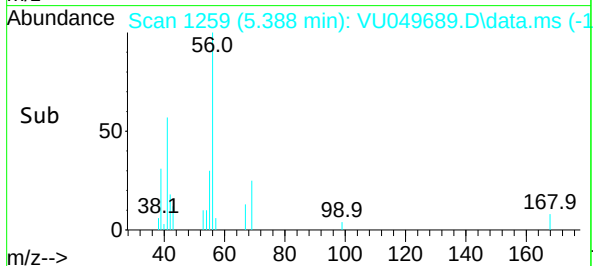
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2022-03



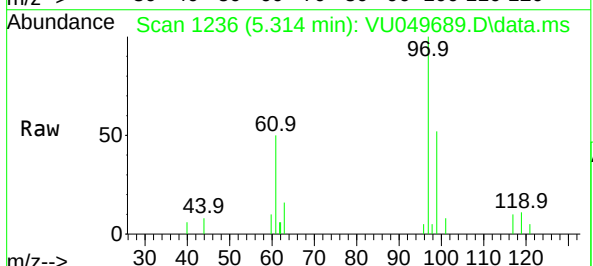
Tgt Ion: 56 Resp: 624
Ion Ratio Lower Upper
56 100
69 28.4 23.4 35.2
84 80.1 63.1 94.7

Manual Integrations
APPROVED

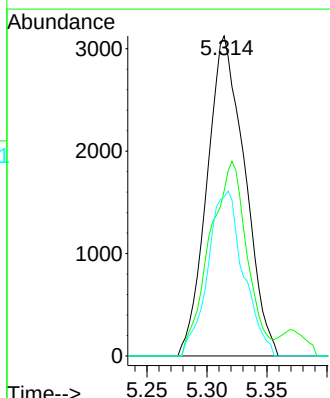
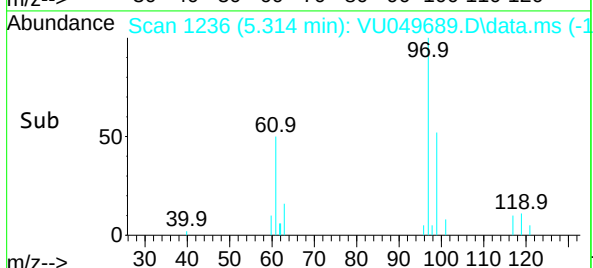
Reviewed By :Krupa Patel 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022

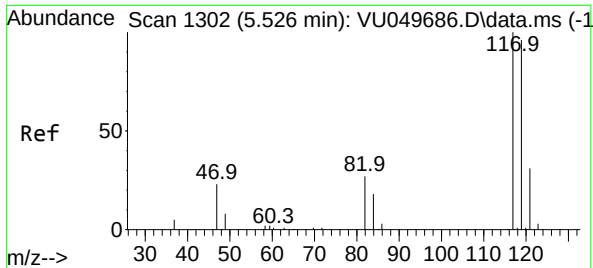


#30
1,1,1-Trichloroethane
Concen: 2.486 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. -0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55



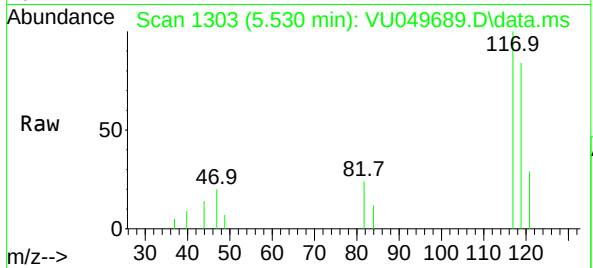
Tgt Ion: 97 Resp: 6831
Ion Ratio Lower Upper
97 100
99 60.7 51.3 76.9
61 48.7 38.2 57.2





#31
Carbon tetrachloride
Concen: 2.433 ug/L
RT: 5.530 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

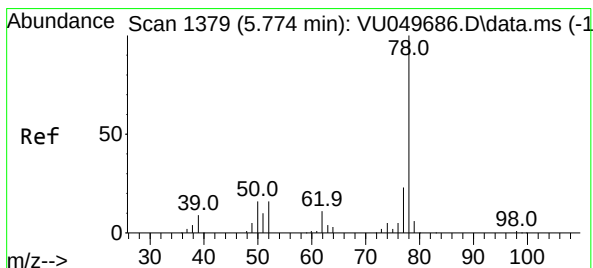
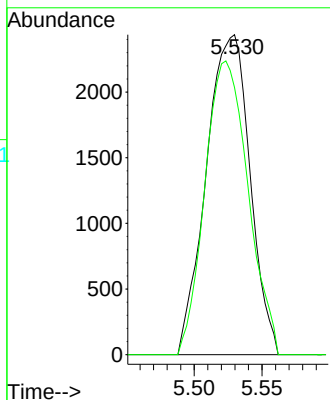
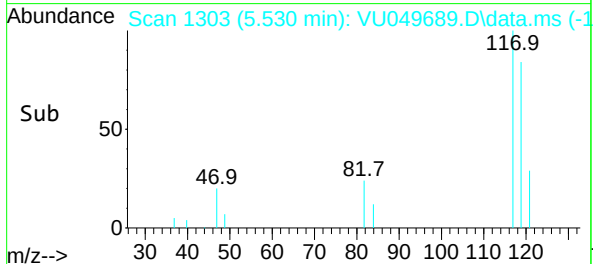
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2022-03



Tgt Ion:117 Resp: 546
Ion Ratio Lower Upper
117 100
119 90.8 75.8 113.8

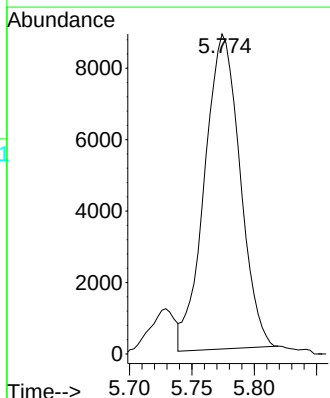
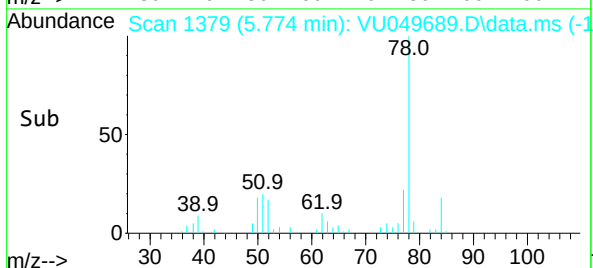
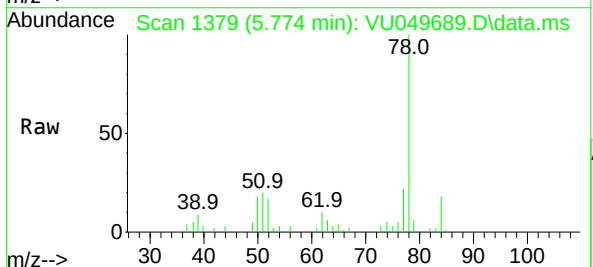
Manual Integrations
APPROVED

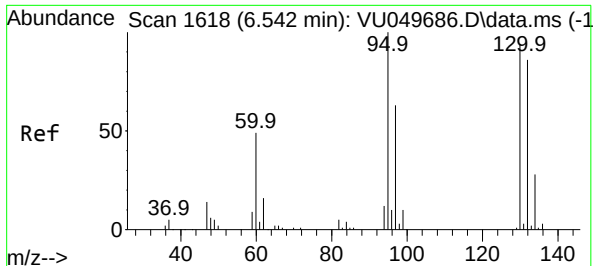
Reviewed By :Krupa Patel 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#33
Benzene
Concen: 2.444 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

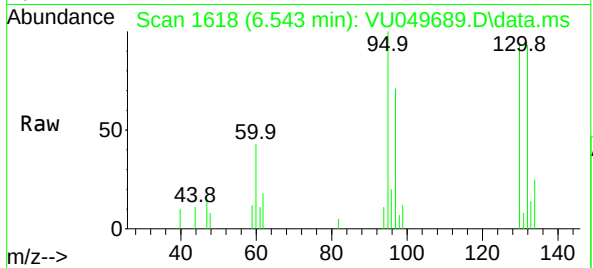
Tgt Ion: 78 Resp: 17439





#34
Trichloroethene
Concen: 2.496 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. 0.001 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

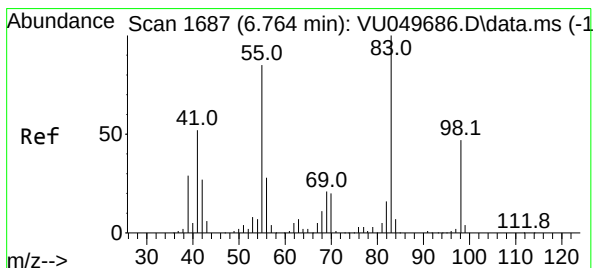
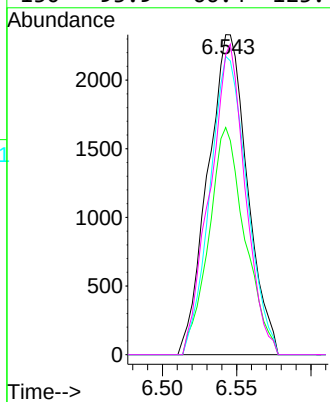
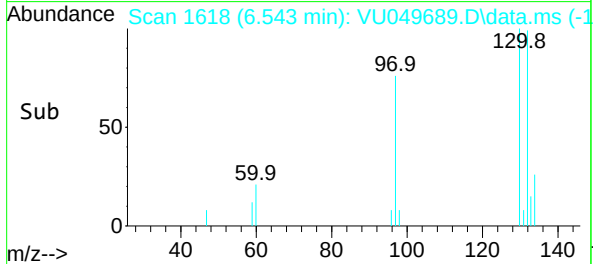
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03



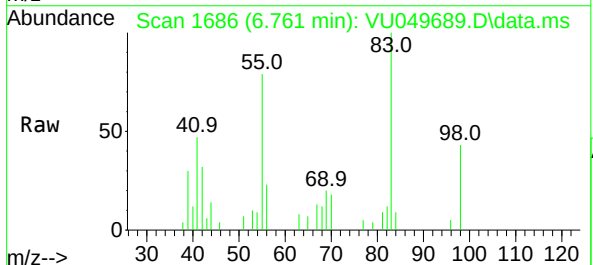
Tgt Ion: 95 Resp: 4304
Ion Ratio Lower Upper
95 100
97 71.0 46.9 87.1
132 93.2 62.7 116.5
130 93.9 66.4 123.4

Manual Integrations
APPROVED

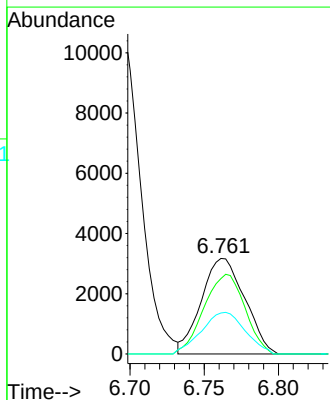
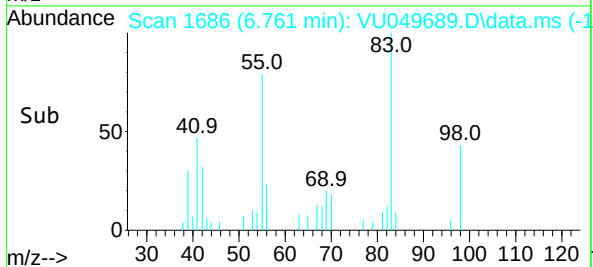
Reviewed By :Krupa Patel 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022

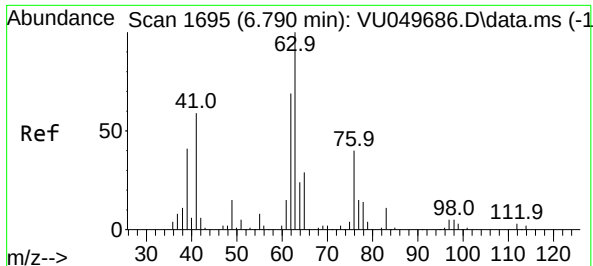


#35
Methylcyclohexane
Concen: 2.376 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55



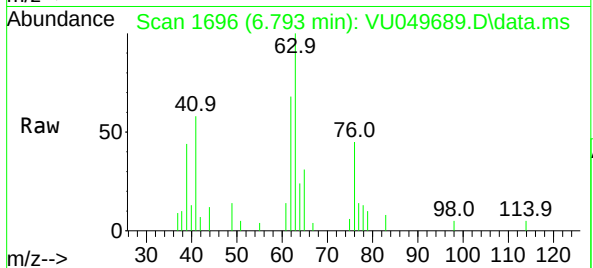
Tgt Ion: 83 Resp: 6439
Ion Ratio Lower Upper
83 100
55 78.6 66.0 99.0
98 44.0 34.6 51.8





#37
1,2-Dichloropropane
Concen: 2.586 ug/L
RT: 6.793 min Scan# 1695
Delta R.T. 0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

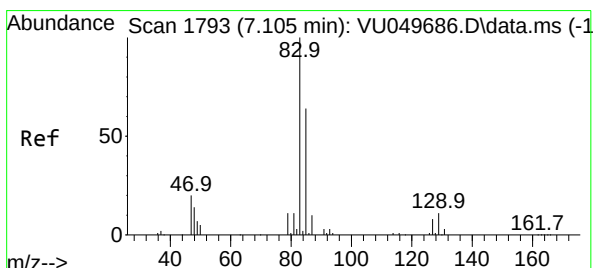
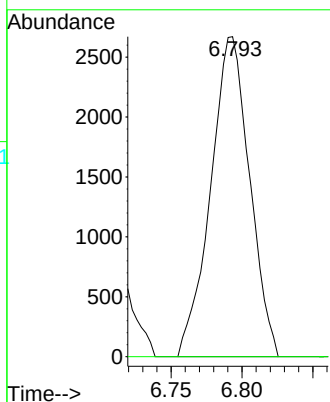
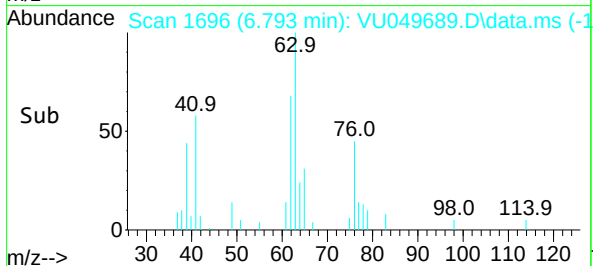
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03



Tgt Ion: 63 Resp: 511
Ion Ratio Lower Upper
63 100
112 0.0 2.8 4.2

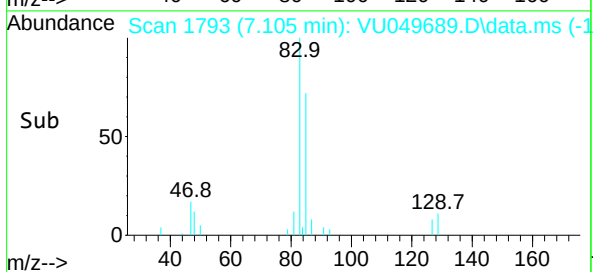
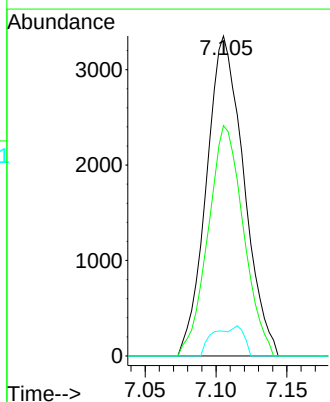
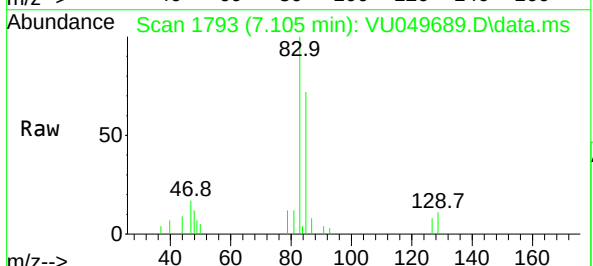
Manual Integrations
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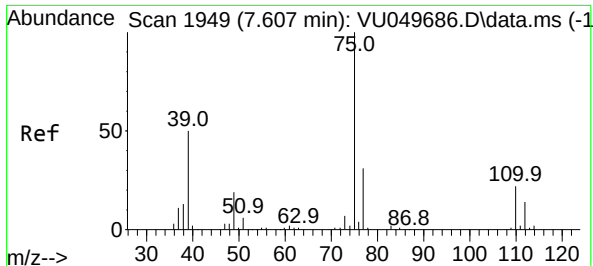
Reviewed By :Krupa Patel 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#38
Bromodichloromethane
Concen: 2.504 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Tgt Ion: 83 Resp: 6140
Ion Ratio Lower Upper
83 100
85 72.0 45.4 84.2
127 7.8 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 2.718 ug/L

RT: 7.610 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2022-03

Tgt Ion: 75 Resp: 7249

Ion Ratio Lower Upper

75 100

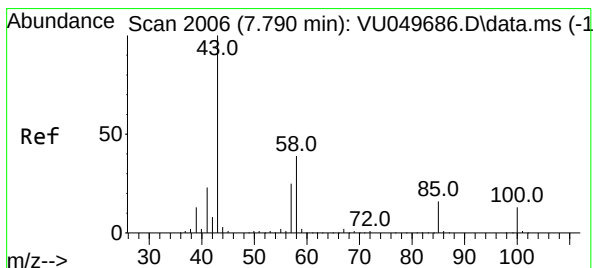
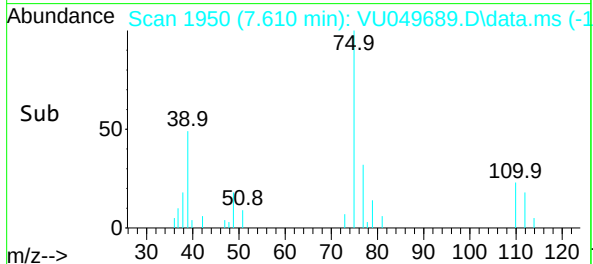
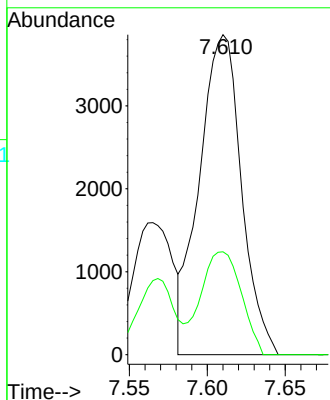
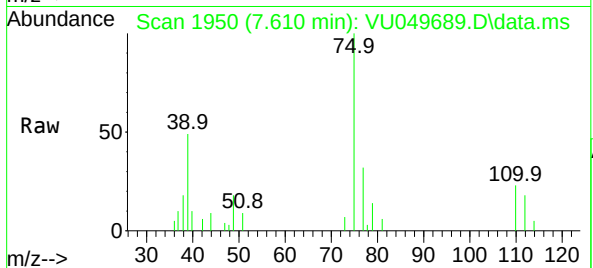
77 34.9 22.6 42.0

Manual Integrations

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Reviewed By :Krupa Patel 07/13/2022

Supervised By :Mahesh Dadoda 07/13/2022



#40

4-Methyl-2-pentanone

Concen: 5.110 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

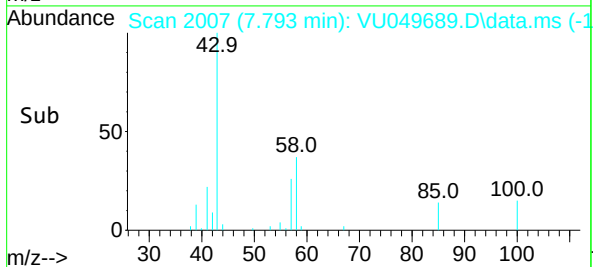
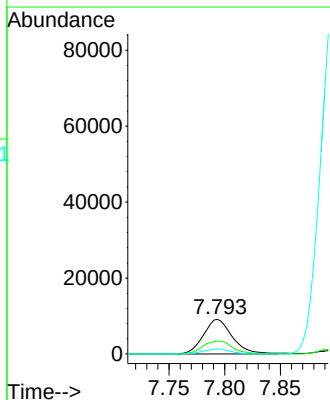
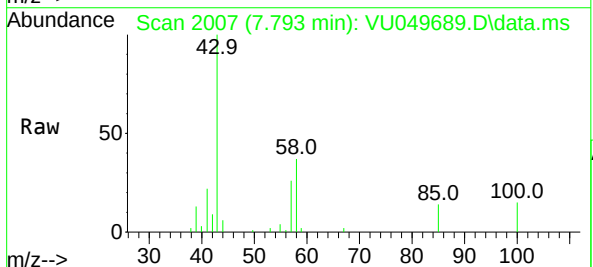
Tgt Ion: 43 Resp: 16359

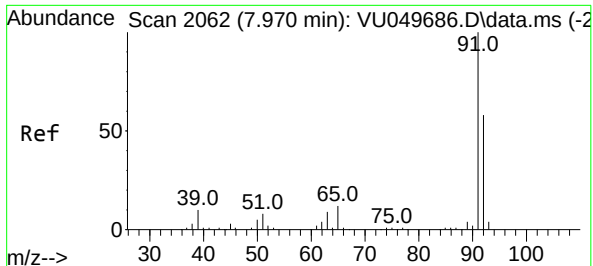
Ion Ratio Lower Upper

43 100

58 38.4 31.4 47.0

100 13.4 10.3 15.5





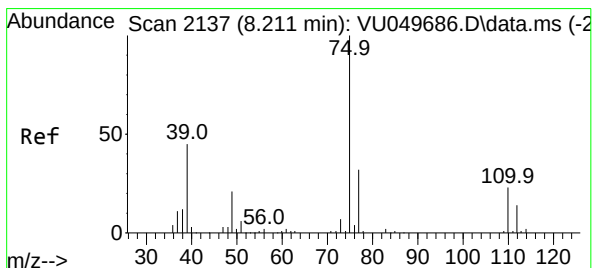
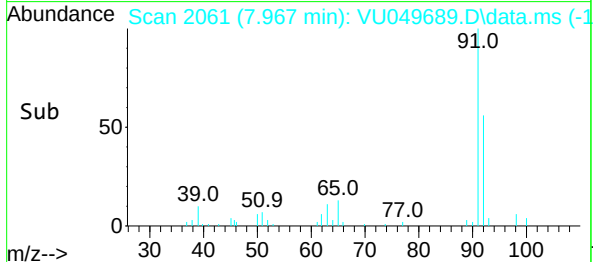
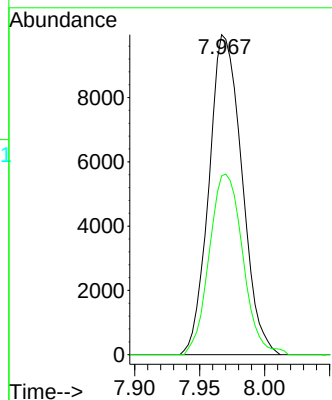
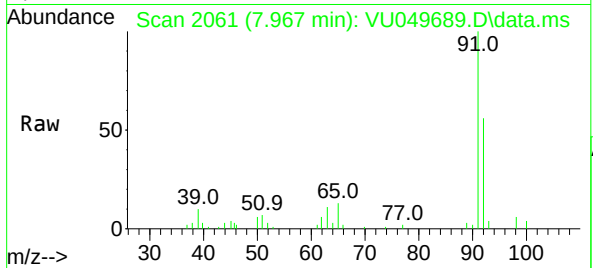
#42
Toluene
Concen: 2.475 ug/L
RT: 7.967 min Scan# 2062
Delta R.T. -0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2022-03

Tgt Ion: 91 Resp: 1754
Ion Ratio Lower Upper
91 100
92 55.9 40.8 75.8

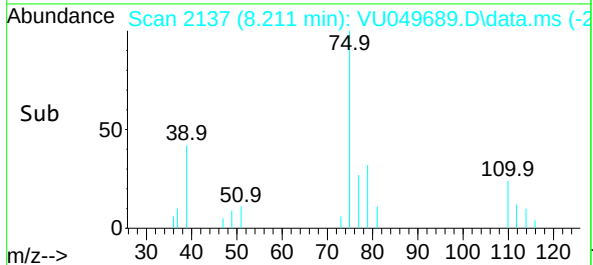
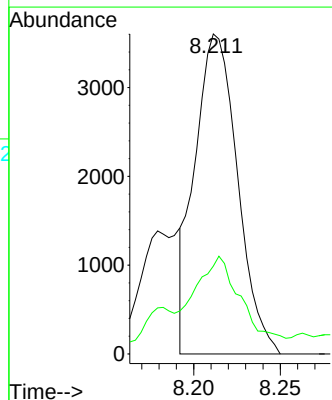
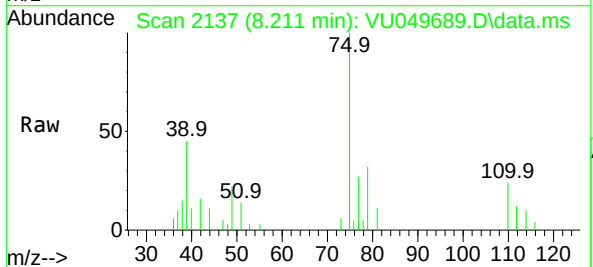
Manual Integrations
APPROVED

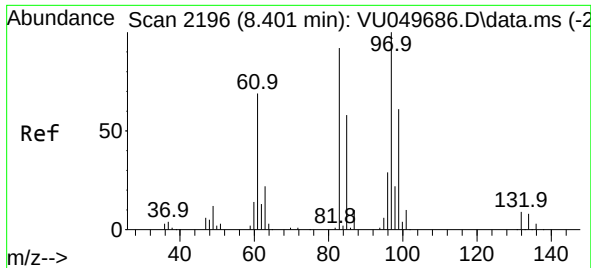
Reviewed By :Krupa Patel 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#44
trans-1,3-Dichloropropene
Concen: 2.460 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

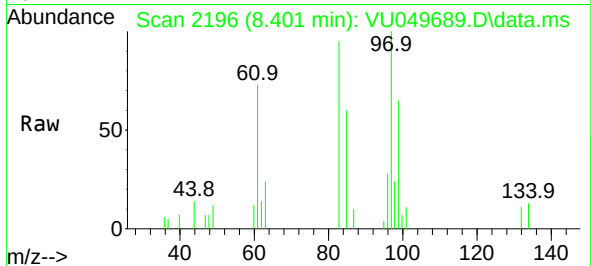
Tgt Ion: 75 Resp: 6160
Ion Ratio Lower Upper
75 100
77 26.2 22.5 41.9





#45
1,1,2-Trichloroethane
Concen: 2.579 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

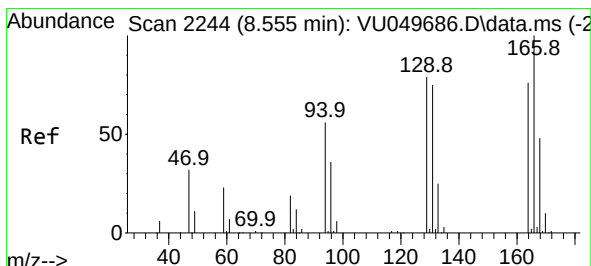
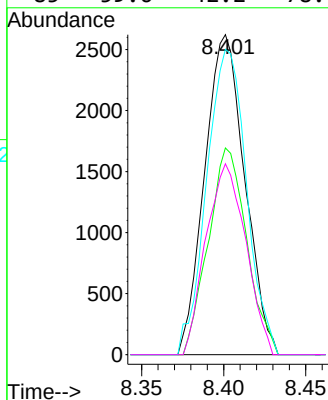
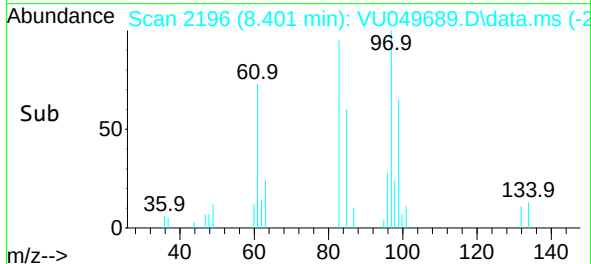
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03



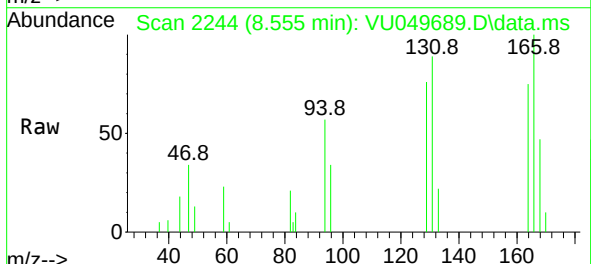
Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	44.3	82.3
83	95.5	64.0	118.8
85	59.6	42.2	78.4

Manual Integrations
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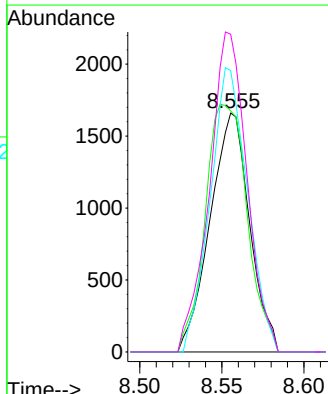
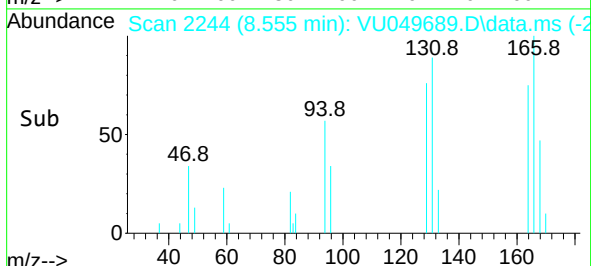
Reviewed By :Krupa Patel 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022

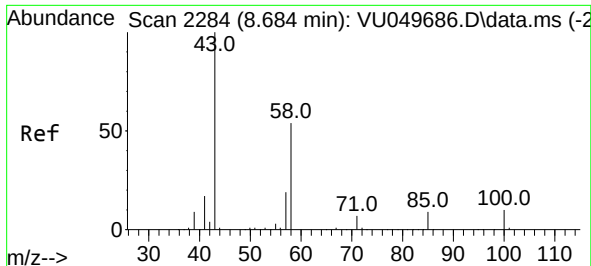


#46
Tetrachloroethene
Concen: 2.316 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55



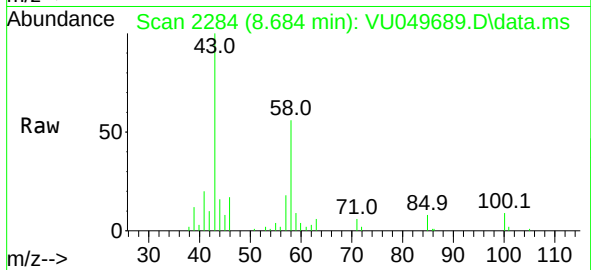
Tgt Ion	Ratio	Lower	Upper
164	100		
129	100.9	72.0	133.8
131	117.8	69.0	128.1
166	133.1	91.1	169.3





#48
2-Hexanone
Concen: 7.760 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

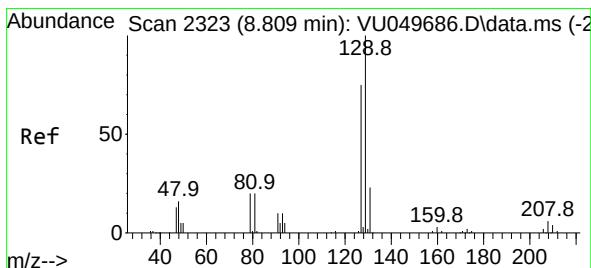
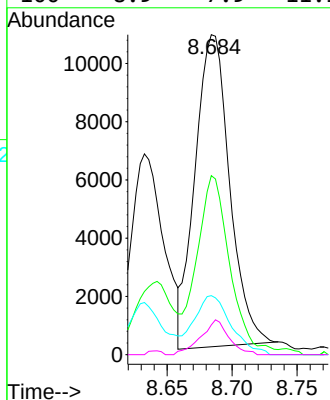
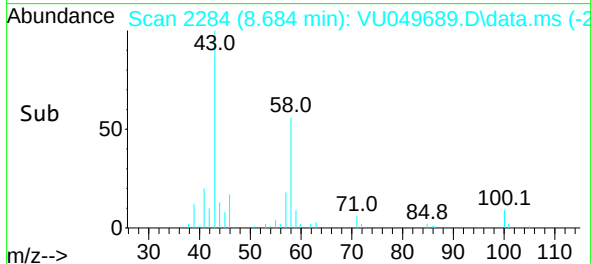
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03



Tgt Ion: 43 Resp: 1985
Ion Ratio Lower Upper
43 100
58 49.1 42.6 64.0
57 20.5 15.0 22.6
100 8.9 7.9 11.9

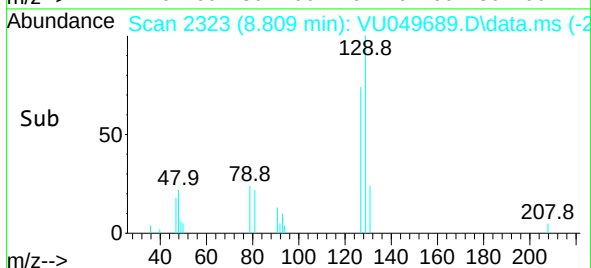
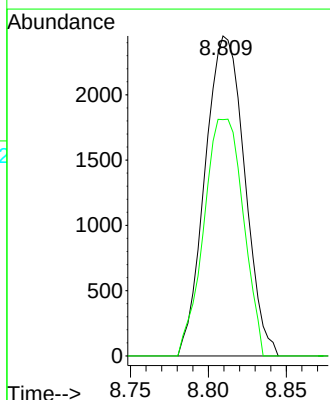
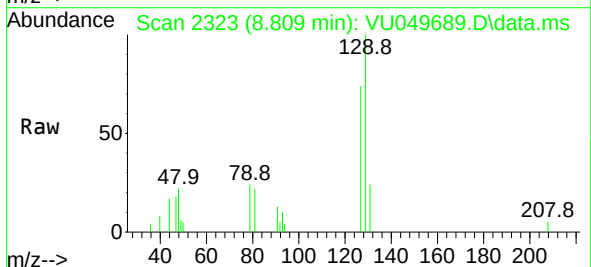
Manual Integrations
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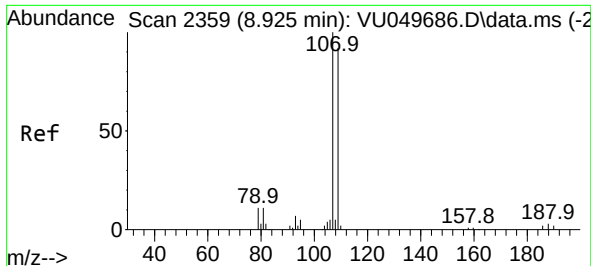
Reviewed By :Krupa Patel 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#49
Dibromochloromethane
Concen: 2.494 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

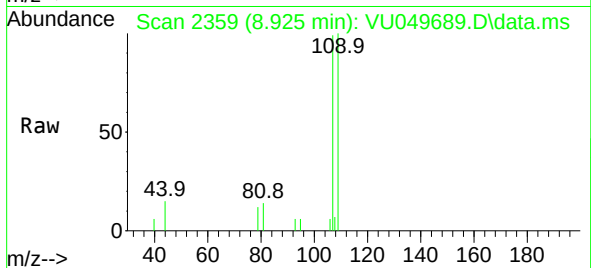
Tgt Ion:129 Resp: 4330
Ion Ratio Lower Upper
129 100
127 73.8 56.9 105.7





#50
1,2-Dibromoethane
Concen: 2.479 ug/L
RT: 8.925 min Scan# 2359
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

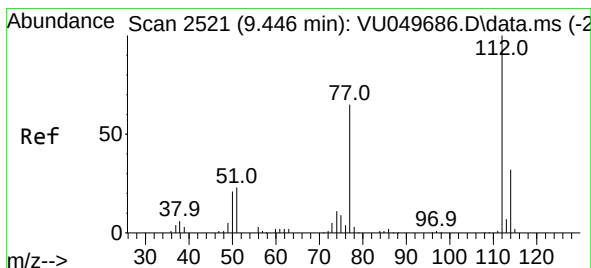
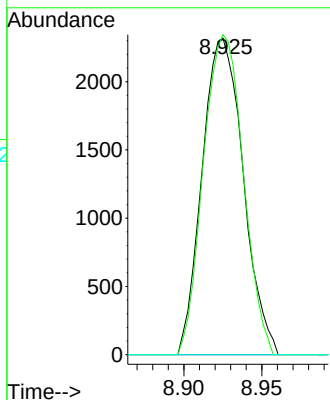
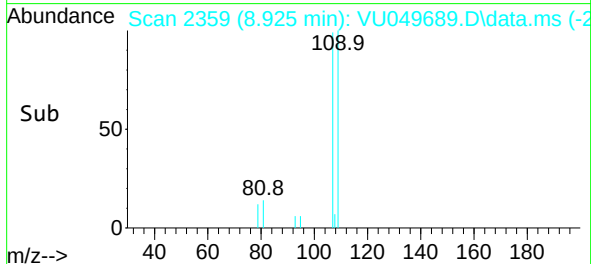
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03



Tgt Ion:107 Resp: 4250
Ion Ratio Lower Upper
107 100
109 94.4 65.7 121.9
188 0.0 2.7 4.1

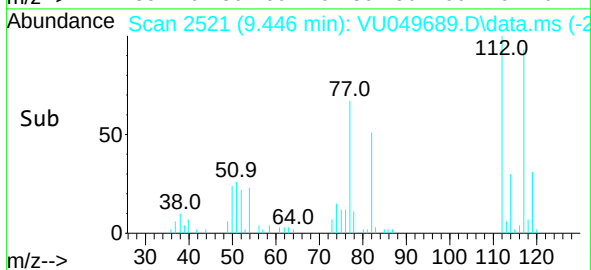
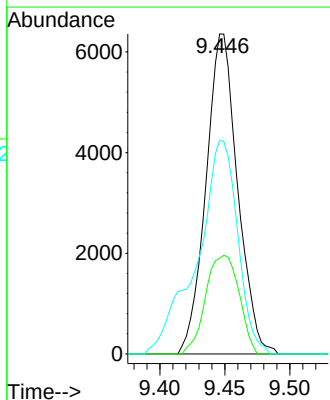
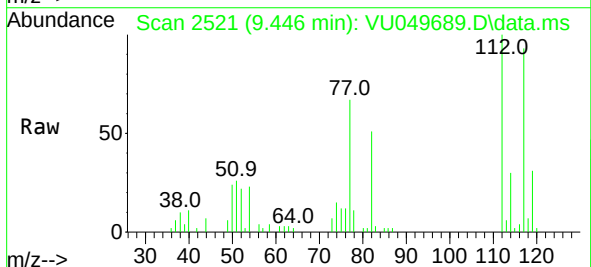
Manual Integrations
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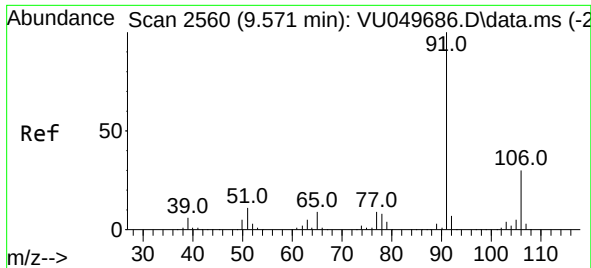
Reviewed By :Krupa Patel 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#51
Chlorobenzene
Concen: 2.508 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Tgt Ion:112 Resp: 10770
Ion Ratio Lower Upper
112 100
114 29.9 22.1 41.1
77 66.8 51.2 76.8





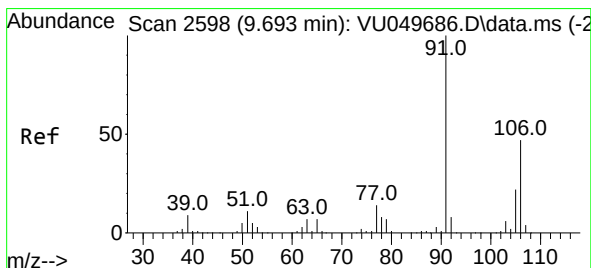
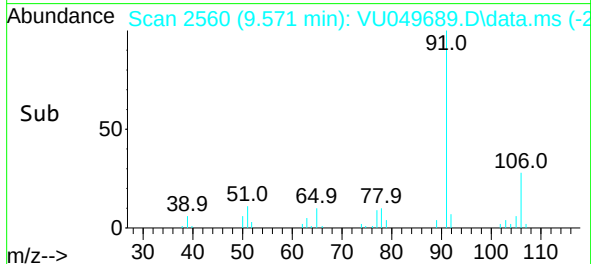
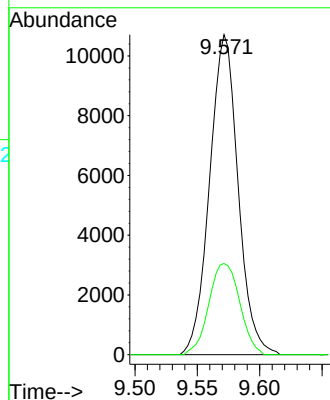
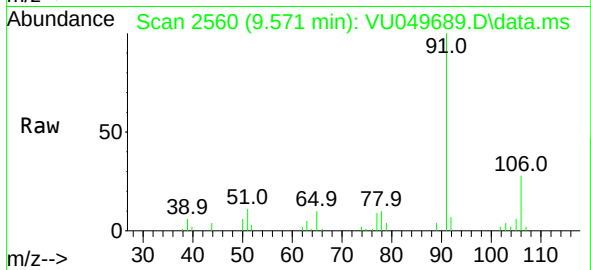
#52
Ethylbenzene
Concen: 2.277 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

Tgt Ion: 91 Resp: 17034
Ion Ratio Lower Upper
91 100
106 28.5 21.0 39.0

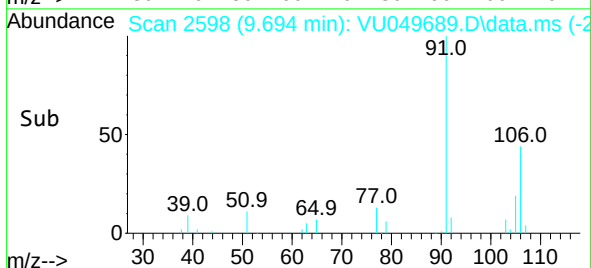
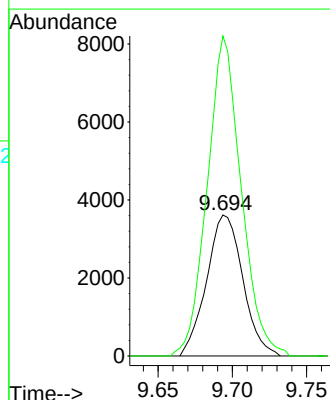
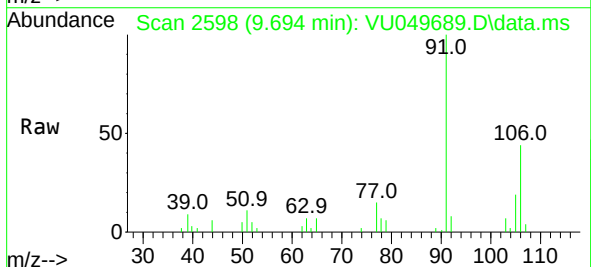
Manual Integrations
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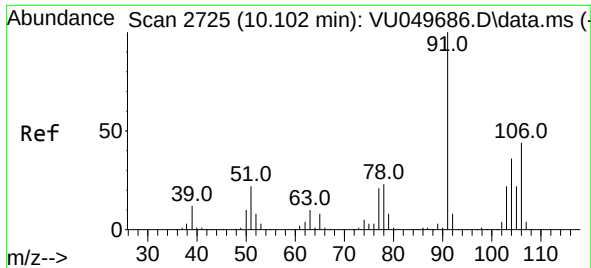
Reviewed By :Krupa Patel 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#53
m,p-Xylene
Concen: 2.252 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Tgt Ion:106 Resp: 6126
Ion Ratio Lower Upper
106 100
91 227.0 151.7 281.7





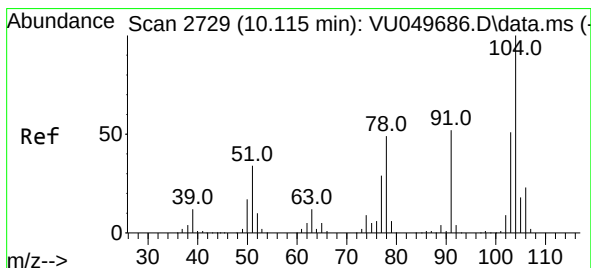
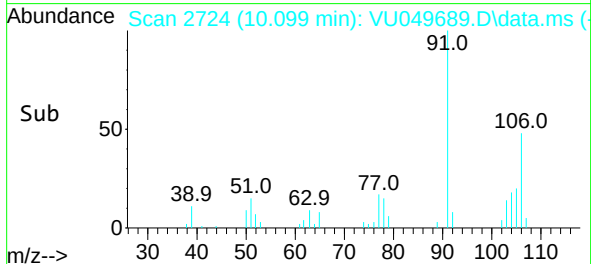
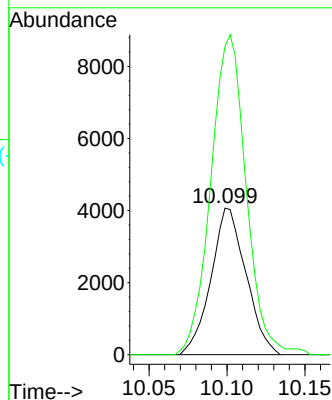
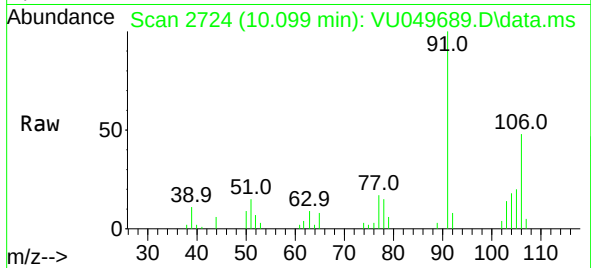
#54
o-Xylene
Concen: 2.324 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

Tgt Ion:106 Resp: 6360
Ion Ratio Lower Upper
106 100
91 210.4 156.9 291.5

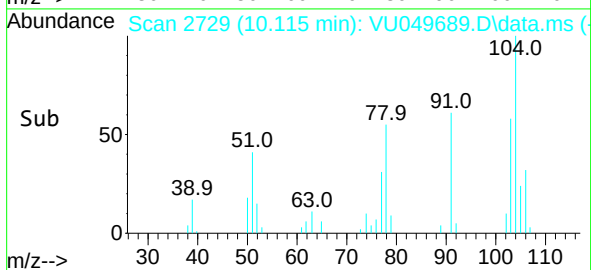
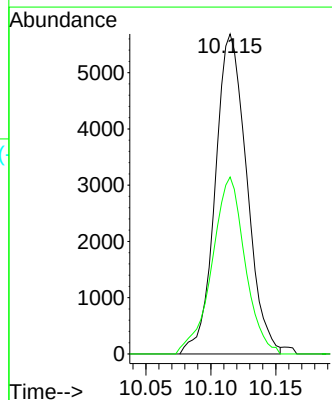
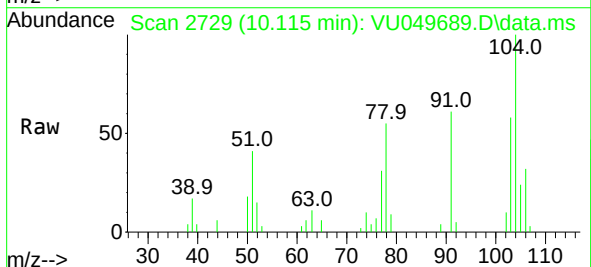
Manual Integrations
APPROVED

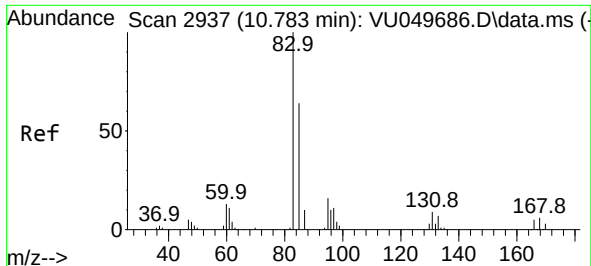
Reviewed By :Krupa Patel 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#55
Styrene
Concen: 2.122 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Tgt Ion:104 Resp: 9592
Ion Ratio Lower Upper
104 100
78 55.3 36.1 67.1





#57

1,1,2,2-Tetrachloroethane

Concen: 2.669 ug/L

RT: 10.784 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU049689.D

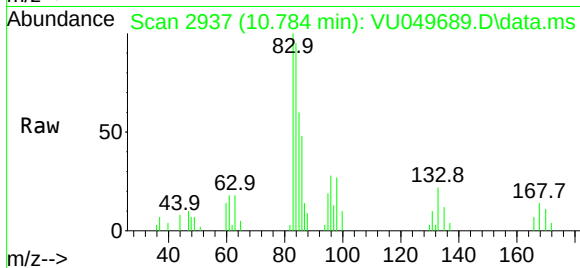
Acq: 12 Jul 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2022-03



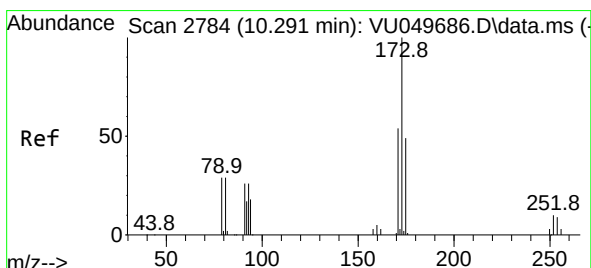
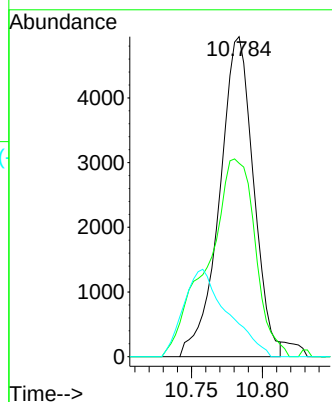
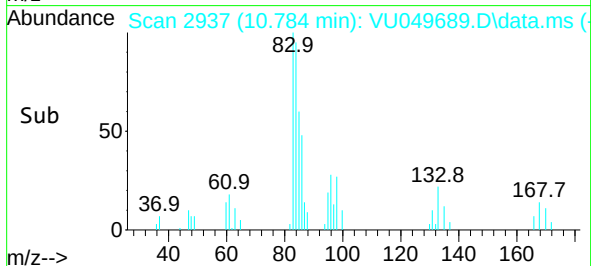
Tgt Ion:	83	Resp:	8240
Ion Ratio	Lower	Upper	
83	100		
85	60.4	45.0	83.6
131	10.3	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/13/2022

Supervised By :Mahesh Dadoda 07/13/2022



#59

Bromoform

Concen: 2.496 ug/L

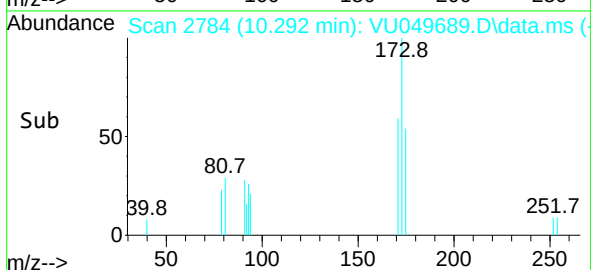
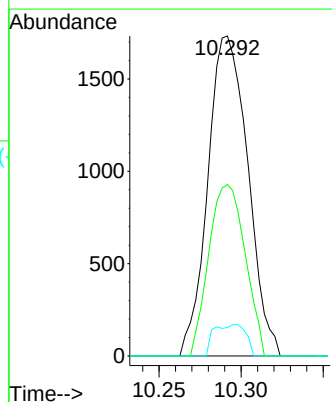
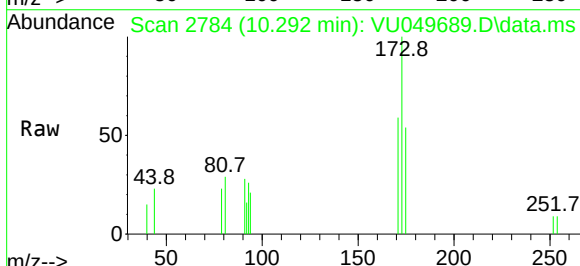
RT: 10.292 min Scan# 2784

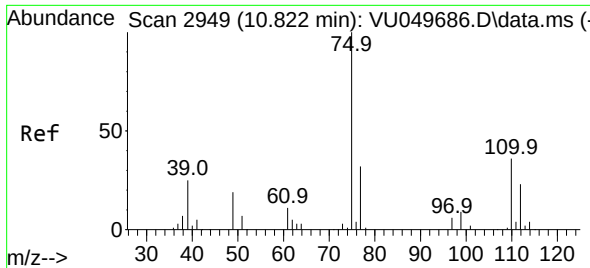
Delta R.T. 0.000 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

Tgt Ion:	173	Resp:	2934
Ion Ratio	Lower	Upper	
173	100		
175	48.6	38.6	58.0
254	3.0	7.4	11.0





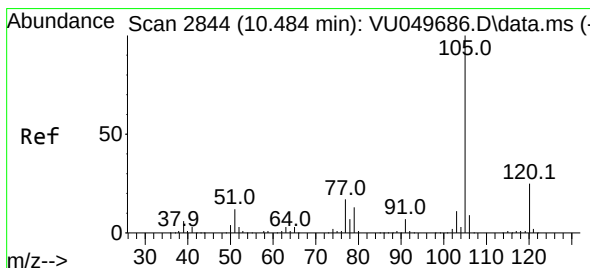
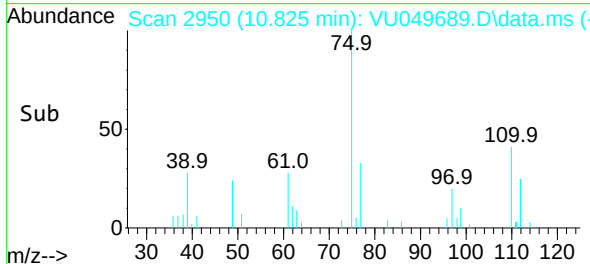
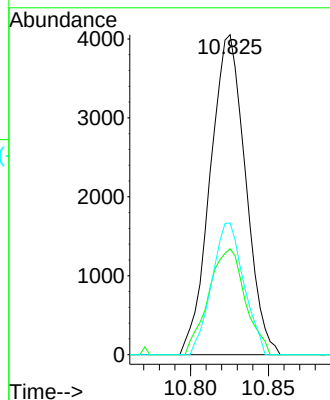
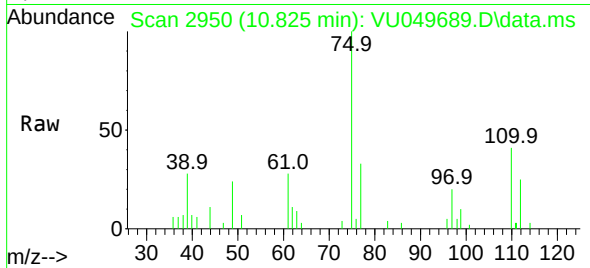
#60
1,2,3-Trichloropropane
Concen: 2.735 ug/L
RT: 10.825 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

Tgt Ion: 75 Resp: 6384
Ion Ratio Lower Upper
75 100
77 34.3 25.5 38.3
110 37.2 28.9 43.3

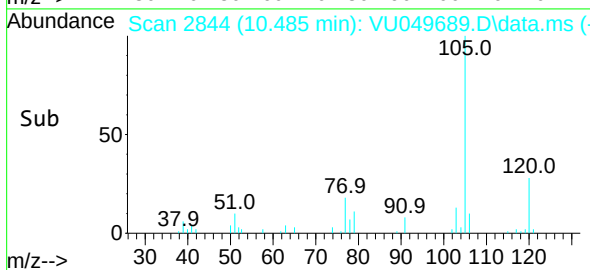
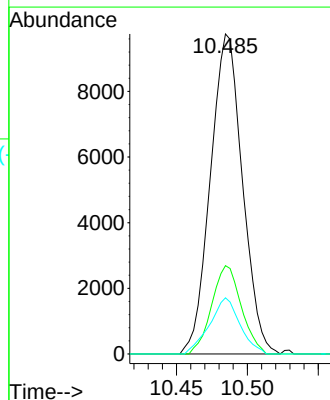
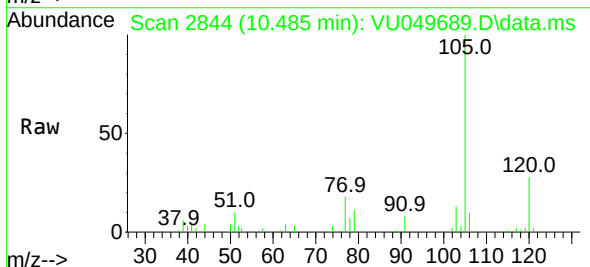
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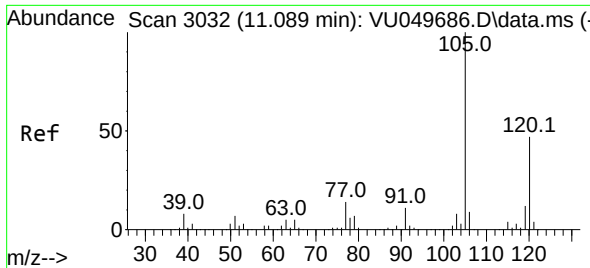
Reviewed By :Krupa Patel 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#61
Isopropylbenzene
Concen: 2.342 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Tgt Ion:105 Resp: 15326
Ion Ratio Lower Upper
105 100
120 25.4 19.9 29.9
77 16.7 13.8 20.8





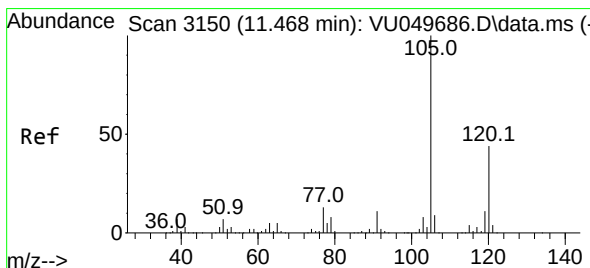
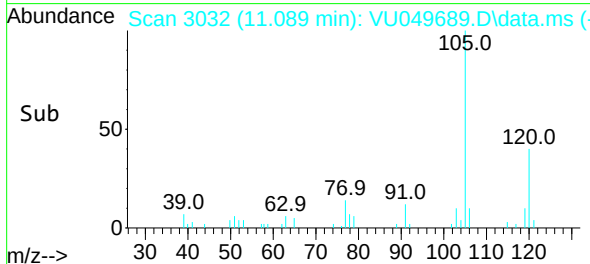
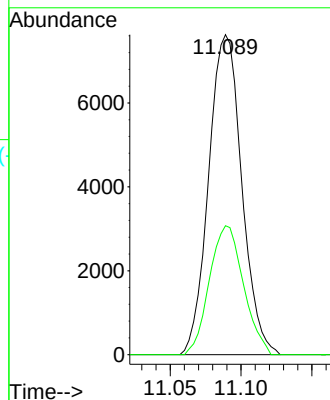
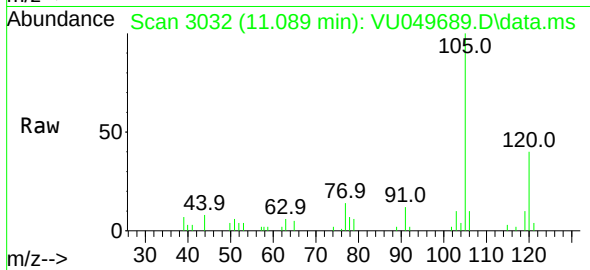
#62
1,3,5-Trimethylbenzene
Concen: 2.249 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2022-03

Tgt Ion:105 Resp: 1241
Ion Ratio Lower Upper
105 100
120 41.4 36.8 55.2

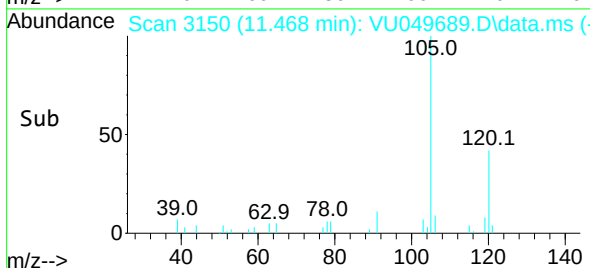
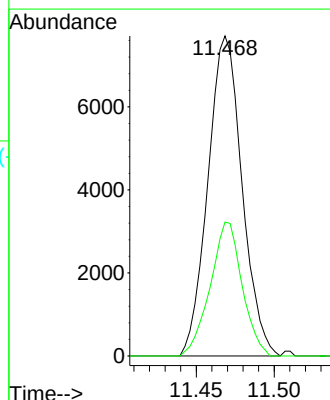
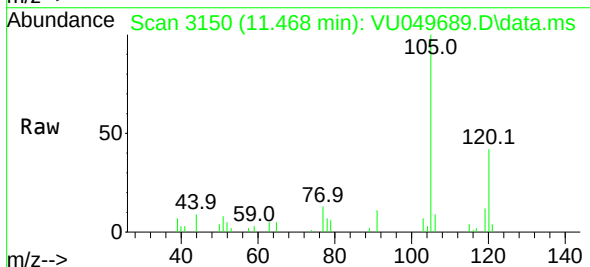
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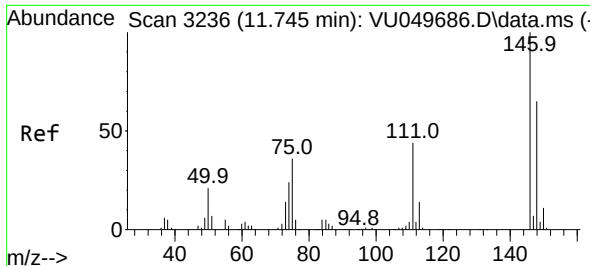
Reviewed By :Krupa Patel 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#63
1,2,4-Trimethylbenzene
Concen: 2.138 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

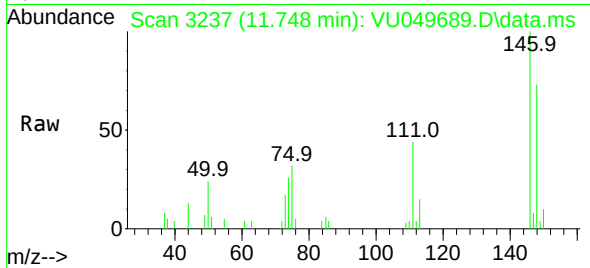
Tgt Ion:105 Resp: 11724
Ion Ratio Lower Upper
105 100
120 39.0 33.9 50.9





#64
1,3-Dichlorobenzene
Concen: 2.444 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

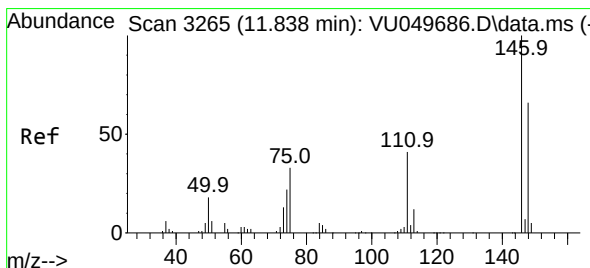
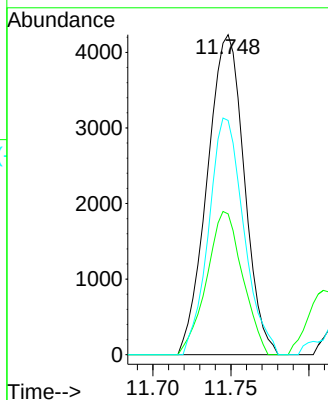
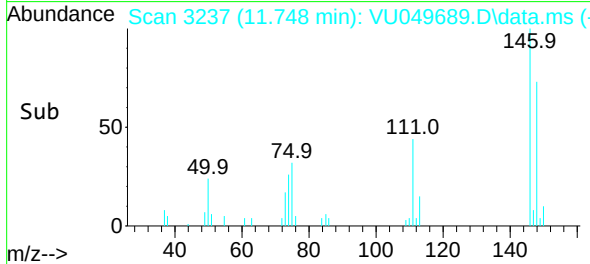
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03



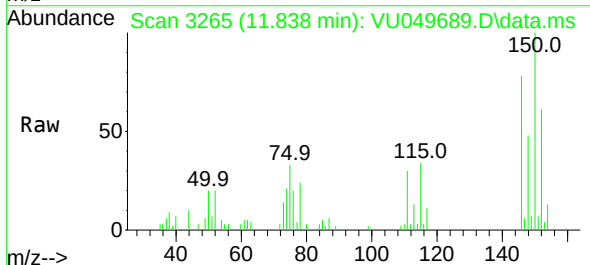
Tgt Ion:146 Resp: 6982
Ion Ratio Lower Upper
146 100
111 44.0 30.0 55.6
148 73.2 45.1 83.9

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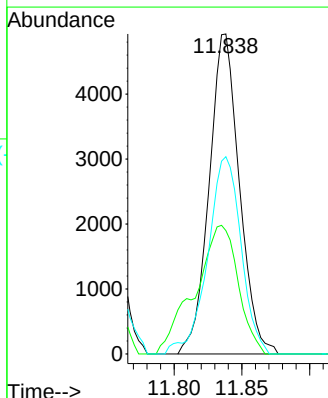
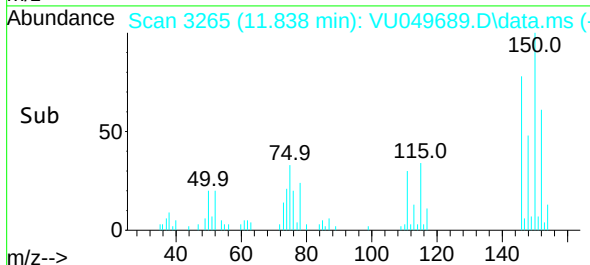
Reviewed By :Krupa Patel 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022

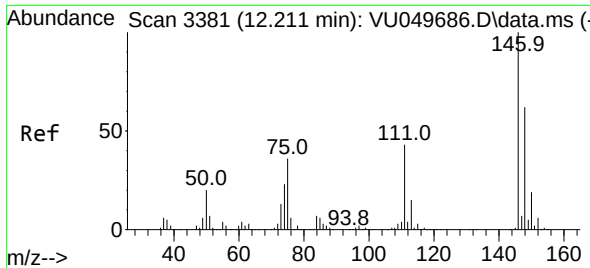


#65
1,4-Dichlorobenzene
Concen: 2.670 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55



Tgt Ion:146 Resp: 7661
Ion Ratio Lower Upper
146 100
111 35.9 29.1 54.1
148 57.4 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 2.698 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2022-03

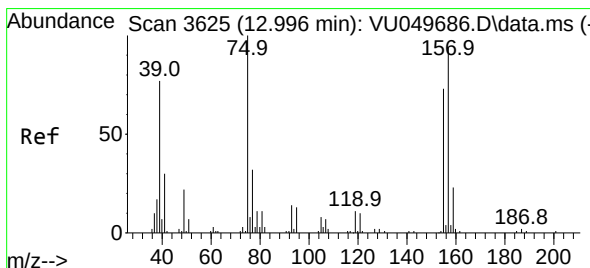
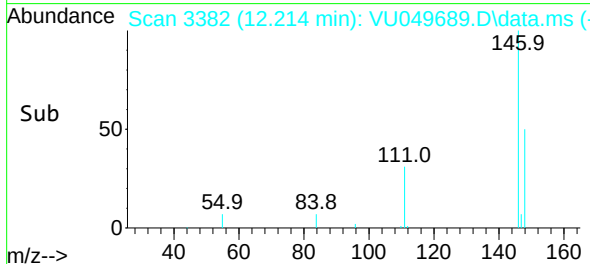
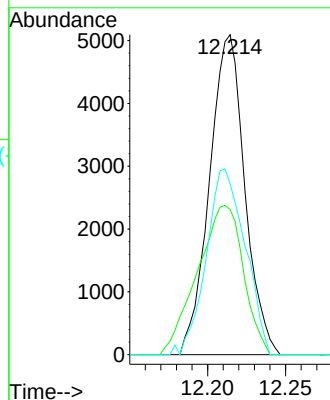
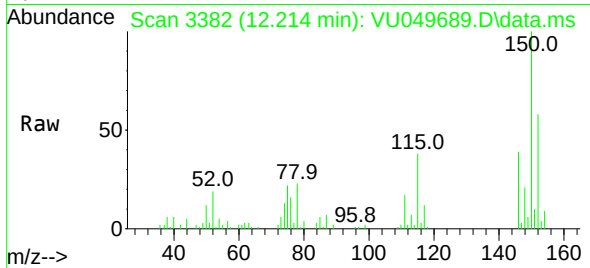
Tgt Ion:	146	Resp:	801
Ion Ratio	Lower	Upper	
146	100		
111	45.4	35.8	53.8
148	53.4	52.7	79.1

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Supervised By :Mahesh Dadoda 07/13/2022



#68

1,2-Dibromo-3-chloropropane

Concen: 2.668 ug/L

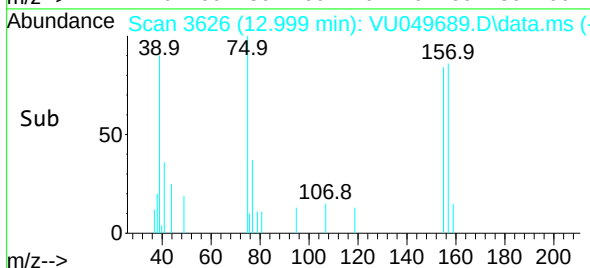
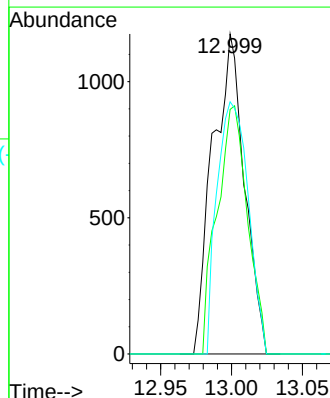
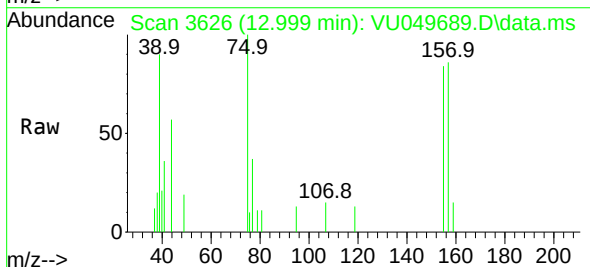
RT: 12.999 min Scan# 3626

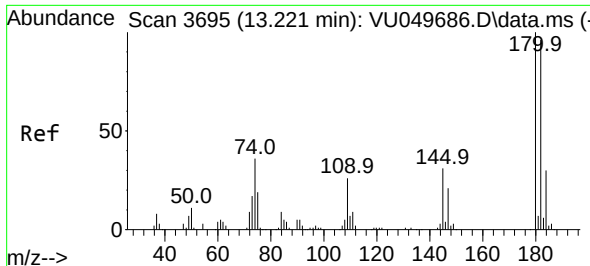
Delta R.T. 0.003 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

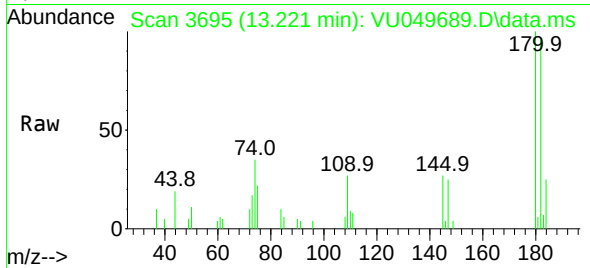
Tgt Ion:	75	Resp:	1825
Ion Ratio	Lower	Upper	
75	100		
155	76.4	57.7	86.5
157	78.8	75.6	113.4





#69
1,3,5-Trichlorobenzene
Concen: 2.497 ug/L m
RT: 13.221 min Scan# 3695
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

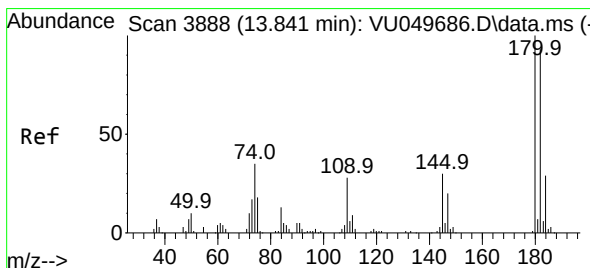
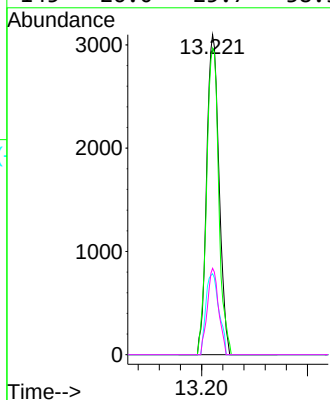
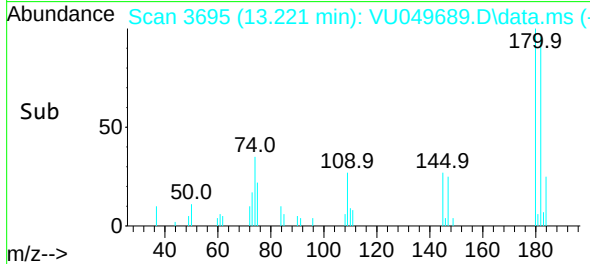
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03



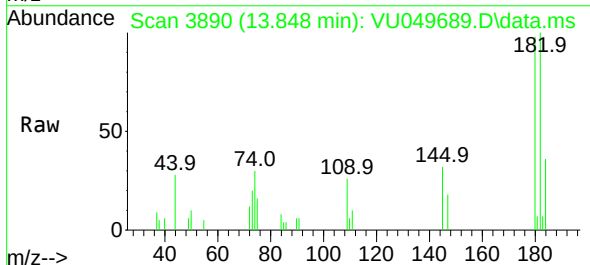
Tgt Ion:180 Resp: 4999
Ion Ratio Lower Upper
180 100
182 86.0 76.0 114.0
184 25.1 24.0 36.0
145 26.0 25.7 38.5

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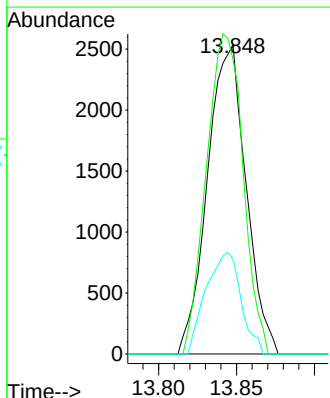
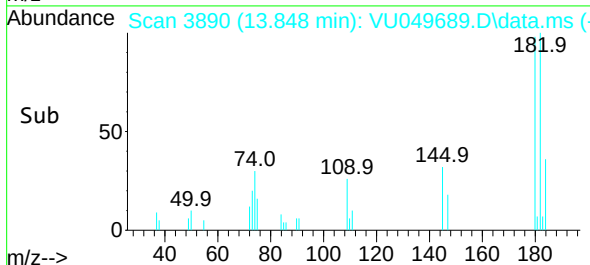
Reviewed By :Krupa Patel 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022

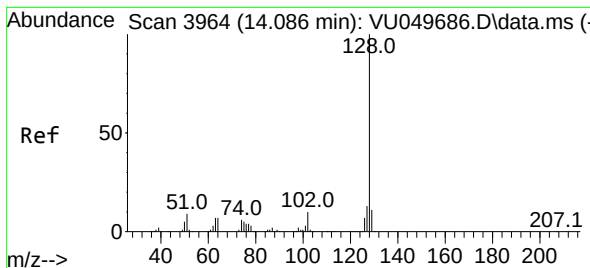


#70
1,2,4-trichlorobenzene
Concen: 2.375 ug/L
RT: 13.848 min Scan# 3890
Delta R.T. 0.007 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55



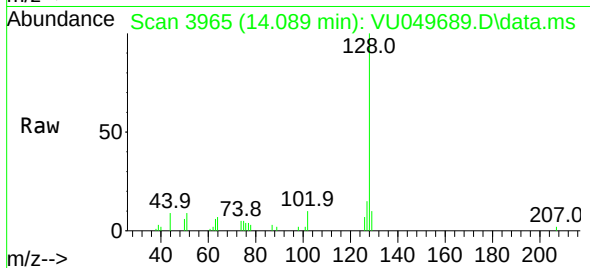
Tgt Ion:180 Resp: 4363
Ion Ratio Lower Upper
180 100
182 98.5 74.8 112.2
145 29.8 24.7 37.1





#71
Naphthalene
Concen: 2.206 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

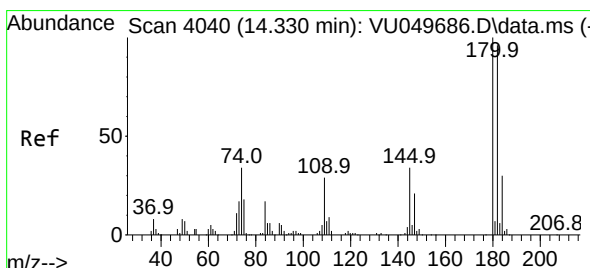
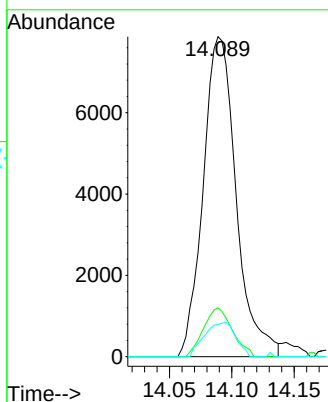
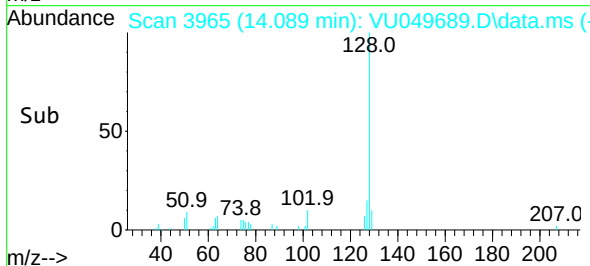
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03



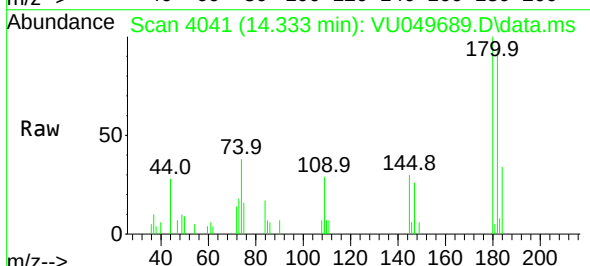
Tgt Ion:128 Resp: 1448
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 10.1 8.8 13.2

Manual Integrations
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Reviewed By :Krupa Patel 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#72
1,2,3-Trichlorobenzene
Concen: 2.239 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55



Tgt Ion:180 Resp: 4260
Ion Ratio Lower Upper
180 100
182 99.5 76.6 115.0
145 34.6 27.1 40.7

