

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031822\
 Data File : VU047618.D
 Acq On : 18 Mar 2022 16:50
 Operator : SY/MD
 Sample : N1645-08 0.5PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2022

Quant Time: Mar 19 05:55:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031822DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sat Mar 19 05:55:19 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/31/2022
 Supervised By : Mahesh Dadoda 03/31/2022

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

Internal Standards						
1) Fluorobenzene	6.118	96	28857	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	9535	0.886	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	12814	0.983	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	5104	0.490	ug/l	96
3) Chloromethane	1.530	50	4982	0.489	ug/l	91
4) Vinyl Chloride	1.607	62	4587	0.464	ug/l	99
5) Bromomethane	1.861	94	2401	0.414	ug/l	96
6) Chloroethane	1.941	64	2808	0.475	ug/l	91
7) Trichlorofluoromethane	2.144	101	6627	0.485	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.585	101	3663	0.469	ug/l	91
9) 1,1-Dichloroethene	2.585	96	3944	0.511	ug/l	87
10) Iodomethane	2.726	142	1426	0.452	ug/l	95
11) Allyl Chloride	2.929	41	4998	0.515	ug/l	95
12) Acrylonitrile	3.330	53	1640	0.963	ug/l	# 86
13) Acetone	2.652	43	3057	2.639	ug/l	91
14) Carbon Disulfide	2.800	76	12429	0.510	ug/l	97
15) Methylene Chloride	3.051	84	6620	0.589	ug/l	92
16) trans-1,2-Dichloroethene	3.356	96	4338	0.535	ug/l	85
17) 1,1-Dichloroethane	3.874	63	6733	0.489	ug/l	96
18) 2-Butanone	4.745	43	3410	1.890	ug/l	92
19) Cyclohexane	5.388	56	4773m	0.462	ug/l	
20) Methylcyclohexane	6.764	83	4962	0.419	ug/l	96
21) 2,2-Dichloropropane	4.671	77	5782	0.478	ug/l	99
22) cis-1,2-Dichloroethene	4.678	96	4257	0.483	ug/l	86
23) Diethyl Ether	2.382	59	2771	0.491	ug/l	96
24) tert-Butyl Alcohol	3.247	59	1454m	3.739	ug/l	
25) Methyl tert-Butyl Ether	3.379	73	9528	0.507	ug/l	# 86
26) Bromochloromethane	4.977	128	2157	0.484	ug/l	83
27) Chloroform	5.096	83	7785	0.523	ug/l	97
28) 1,1,1-Trichloroethane	5.321	97	6360	0.492	ug/l	95
29) 1,1-Dichloropropene	5.530	75	4869	0.465	ug/l	97
30) Carbon Tetrachloride	5.527	117	5862	0.509	ug/l	96
31) Isopropyl Ether	4.002	45	8597	0.470	ug/l	92
32) Ethyl-t-butyl ether	4.514	59	8803	0.477	ug/l	# 72
33) Tert-Amyl methyl ether	5.945	73	7524	0.434	ug/l	98
34) Propionitrile	4.819	54	884m	1.813	ug/l	
35) Benzene	5.781	78	15172	0.484	ug/l	97
36) 1,2-Dichloroethane	5.803	62	4657	0.491	ug/l	98
37) Trichloroethene	6.546	130	4070	0.449	ug/l	95
38) 1,2-Dichloropropane	6.793	63	3590	0.445	ug/l	92
39) Methacrylonitrile	4.993	41	956m	0.423	ug/l	
40) Methyl acrylate	4.864	55	1779m	0.466	ug/l	
41) Tetrahydrofuran	5.083	42	1031	0.899	ug/l	# 84
42) 1-Chlorobutane	5.462	56	6432	0.476	ug/l	100
43) Dibromomethane	6.925	93	2167	0.448	ug/l	# 84
44) Bromodichloromethane	7.112	83	5578	0.497	ug/l	97

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 LOQ-WATER-02-QT1-2022

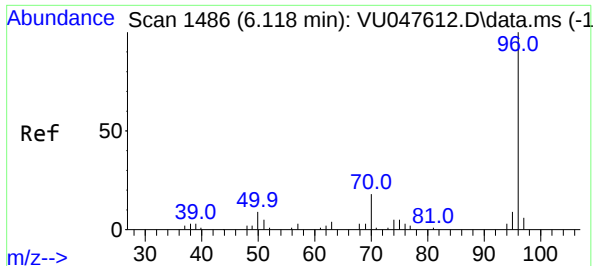
Quant Time: Mar 19 05:55:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031822DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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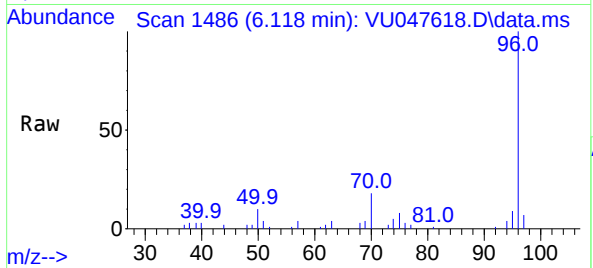
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.803	43	11580	2.394	ug/l	96
46) t-1,4-Dichloro-2-butene	10.838	75	1932m	0.920	ug/l	
47) Methyl methacrylate	6.967	69	2987	0.763	ug/l	96
48) Ethyl methacrylate	8.337	69	3089	0.419	ug/l	85
49) Toluene	7.973	92	8436	0.438	ug/l	94
50) t-1,3-Dichloropropene	8.215	75	4781	0.460	ug/l	94
51) cis-1,3-Dichloropropene	7.613	75	5289	0.462	ug/l	93
52) 1,1,2-Trichloroethane	8.407	97	3214	0.477	ug/l	94
53) 1,3-Dichloropropane	8.581	76	5452	0.497	ug/l	96
54) 2-Hexanone	8.697	43	8107	2.296	ug/l	94
55) Dibromochloromethane	8.813	129	4106	0.483	ug/l	99
56) 1,2-Dibromoethane	8.932	107	3111	0.464	ug/l	98
58) Tetrachloroethene	8.555	164	3915	0.469	ug/l	98
59) Chlorobenzene	9.452	112	10339	0.460	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	4263	0.489	ug/l	96
61) Pentachloroethane	11.427	117	3719	0.504	ug/l	91
62) Hexachloroethane	12.478	117	3455	0.472	ug/l #	72
63) Ethyl Benzene	9.571	91	15387	0.437	ug/l	98
64) m/p-Xylenes	9.697	106	11235	0.805	ug/l	91
65) o-Xylene	10.102	106	5357	0.406	ug/l	99
66) Styrene	10.118	104	9003	0.395	ug/l	97
67) Bromoform	10.298	173	2738	0.484	ug/l #	98
69) Isopropylbenzene	10.488	105	14106	0.403	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.787	83	4258	0.475	ug/l	99
71) 1,2,3-Trichloropropane	10.829	75	3061m	0.432	ug/l	
72) Bromobenzene	10.787	156	4880	0.466	ug/l	81
73) n-propylbenzene	10.909	120	3902	0.385	ug/l	95
74) 2-Chlorotoluene	10.989	126	3996	0.429	ug/l	80
75) 1,3,5-Trimethylbenzene	11.089	105	11480	0.385	ug/l	97
76) 4-Chlorotoluene	11.099	126	3889	0.392	ug/l	87
77) tert-Butylbenzene	11.423	119	12949	0.425	ug/l	91
78) 1,2,4-Trimethylbenzene	11.472	105	11601	0.381	ug/l	96
79) sec-Butylbenzene	11.645	105	15678	0.395	ug/l	96
80) Nitrobenzene	13.218	77	818	2.234	ug/l #	84
81) p-Isopropyltoluene	11.796	119	12573	0.376	ug/l	98
82) 1,3-Dichlorobenzene	11.748	146	9933	0.480	ug/l	97
83) 1,4-Dichlorobenzene	11.841	146	9677	0.465	ug/l	96
84) n-Butylbenzene	12.211	91	12510	0.398	ug/l	95
85) 1,2-Dichlorobenzene	12.214	146	9388	0.472	ug/l	95
86) 1,2-Dibromo-3-Chloropr...	13.002	75	688	0.455	ug/l #	75
87) 1,2,4-Trichlorobenzene	13.845	180	6801	0.479	ug/l	97
88) Hexachlorobutadiene	14.021	225	3834	0.450	ug/l	97
89) Naphthalene	14.092	128	11142	0.462	ug/l	97
90) 1,2,3-Trichlorobenzene	14.333	180	6177	0.461	ug/l	93

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



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.118 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022

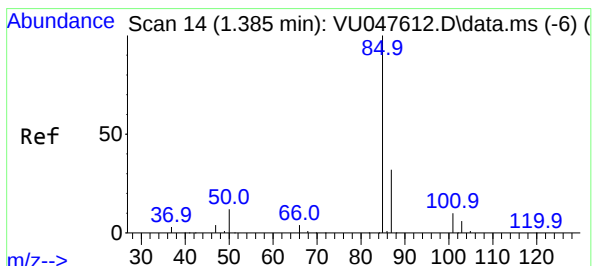
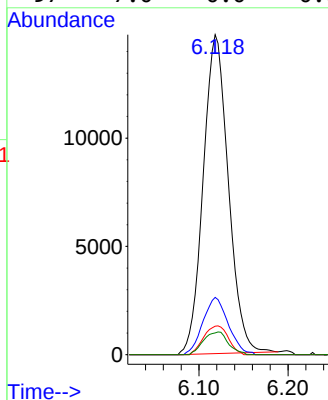
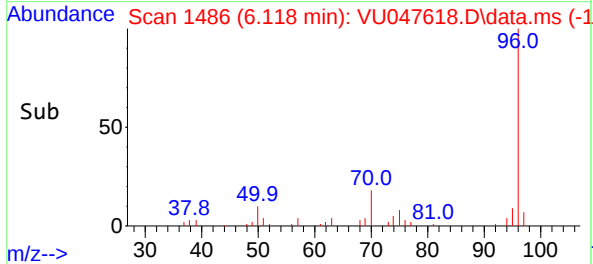


Tgt Ion: 96 Resp: 2885

Ion	Ratio	Lower	Upper
96	100		
70	18.1	16.8	25.2
95	8.9	7.3	10.9
97	7.0	0.0	0.0

Manual Integrations
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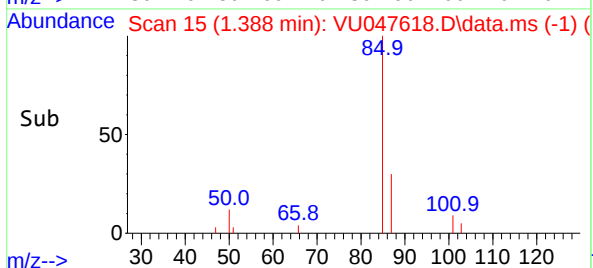
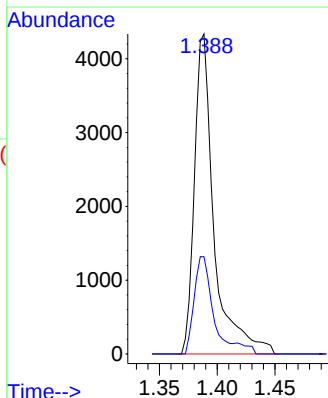
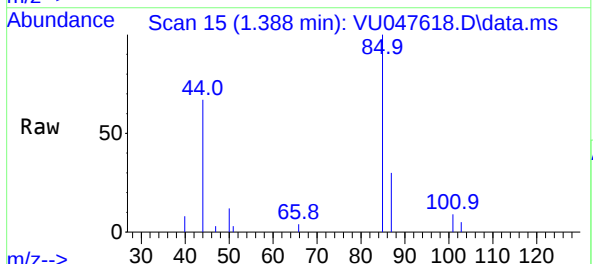
Reviewed By :John Carlone 03/31/2022
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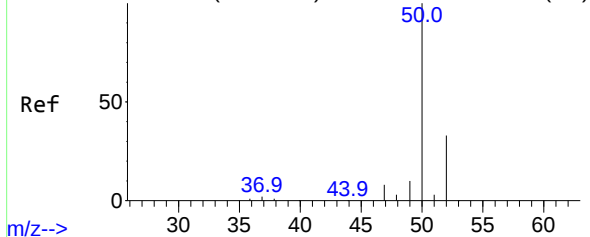
#2
Dichlorodifluoromethane
Concen: 0.490 ug/l
RT: 1.388 min Scan# 15
Delta R.T. 0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Tgt Ion: 85 Resp: 5104

Ion	Ratio	Lower	Upper
85	100		
87	30.4	16.2	48.6



Abundance Scan 58 (1.527 min): VU047612.D\data.ms (-48)



#3

Chloromethane

Concen: 0.489 ug/l

RT: 1.530 min Scan# 59

Delta R.T. 0.003 min

Lab File: VU047618.D

Acq: 18 Mar 2022 16:50

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2022

Tgt Ion: 50 Resp: 498

Ion Ratio Lower Upper

50 100

52 37.9 26.2 39.4

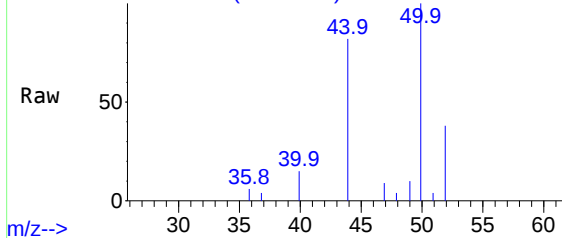
Manual Integrations

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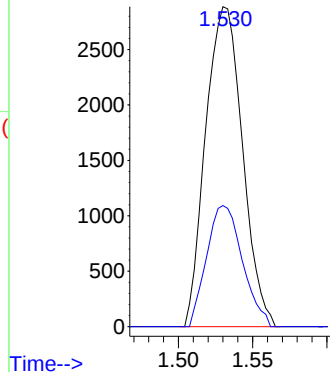
Reviewed By :John Carlone 03/31/2022

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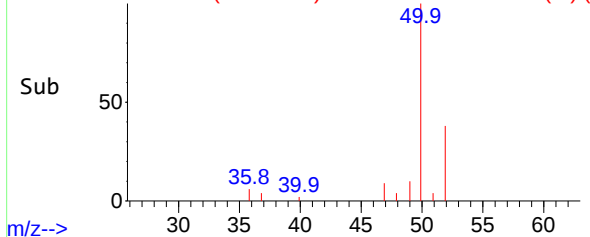
Abundance Scan 59 (1.530 min): VU047618.D\data.ms



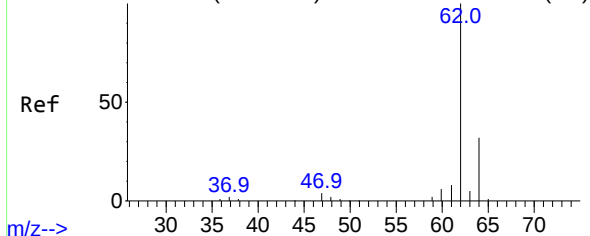
Abundance



Abundance Scan 59 (1.530 min): VU047618.D\data.ms (-1)



Abundance Scan 83 (1.607 min): VU047612.D\data.ms (-73)



#4

Vinyl Chloride

Concen: 0.464 ug/l

RT: 1.607 min Scan# 83

Delta R.T. 0.000 min

Lab File: VU047618.D

Acq: 18 Mar 2022 16:50

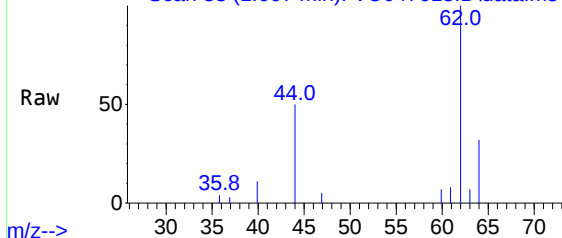
Tgt Ion: 62 Resp: 4587

Ion Ratio Lower Upper

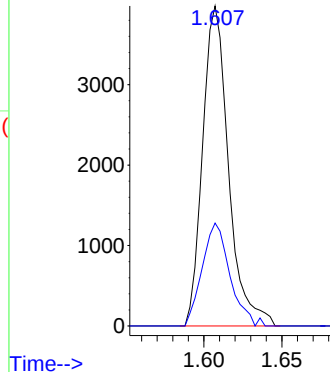
62 100

64 32.2 26.0 39.0

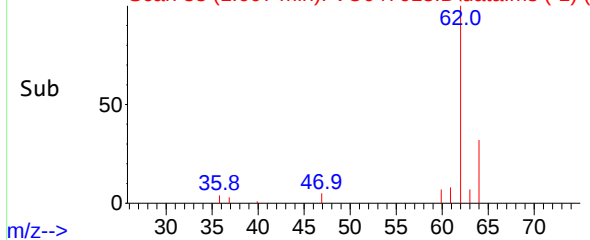
Abundance Scan 83 (1.607 min): VU047618.D\data.ms

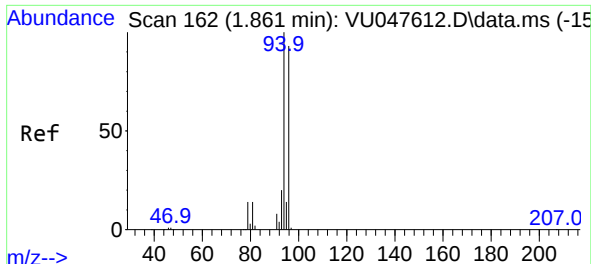


Abundance



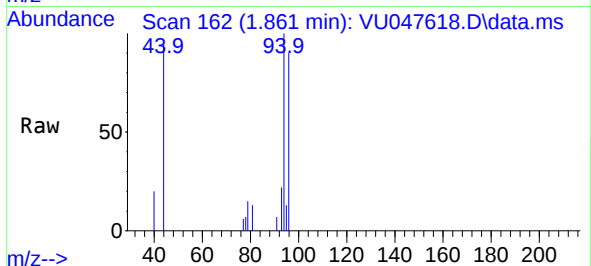
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#5
Bromomethane
Concen: 0.414 ug/l
RT: 1.861 min Scan# 162
Delta R.T. 0.000 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

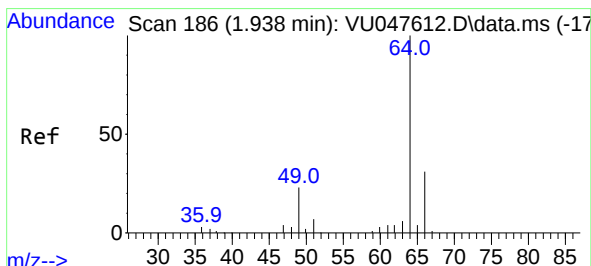
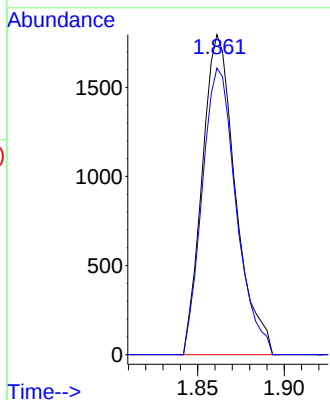
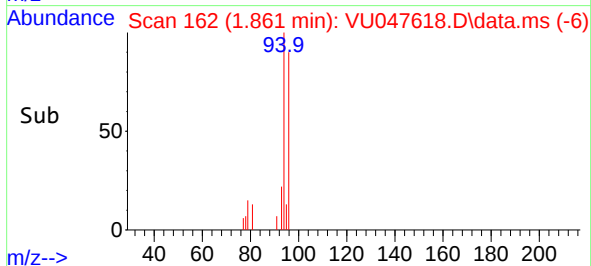
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022



Tgt Ion: 94 Resp: 240
Ion Ratio Lower Upper
94 100
96 89.5 75.0 112.4

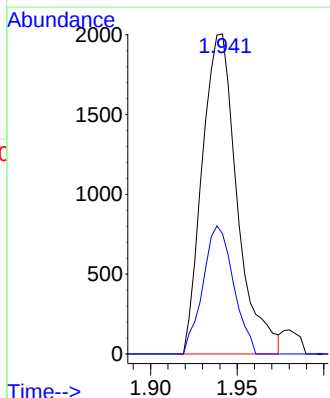
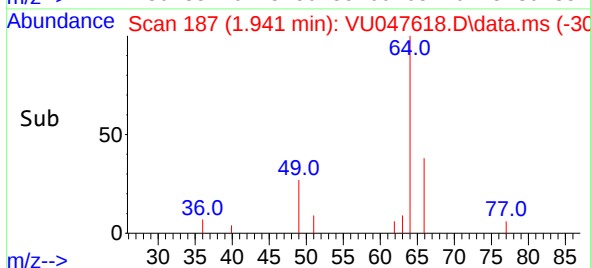
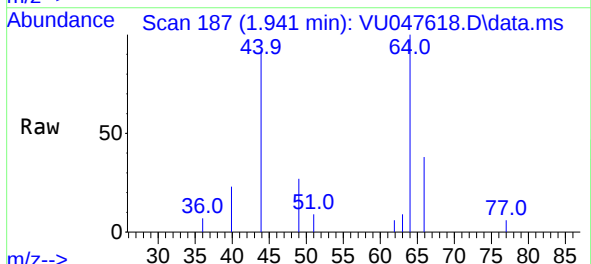
Manual Integrations
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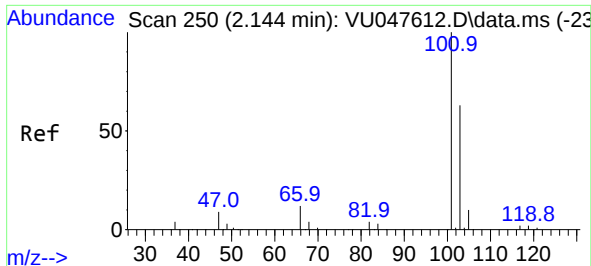
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#6
Chloroethane
Concen: 0.475 ug/l
RT: 1.941 min Scan# 187
Delta R.T. 0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

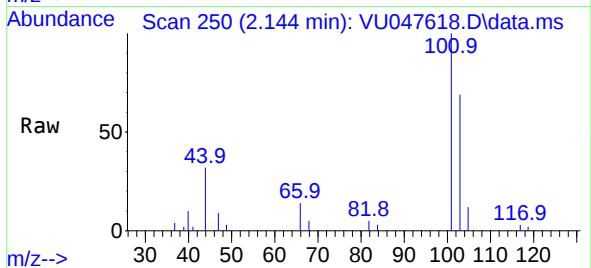
Tgt Ion: 64 Resp: 2808
Ion Ratio Lower Upper
64 100
66 37.6 25.8 38.8





#7
Trichlorofluoromethane
Concen: 0.485 ug/l
RT: 2.144 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

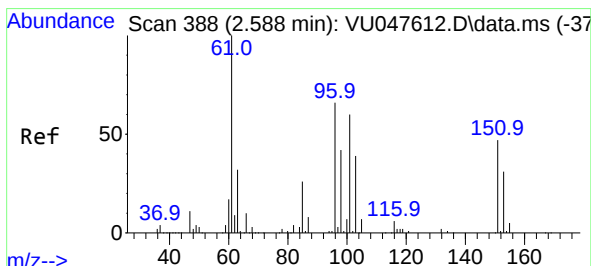
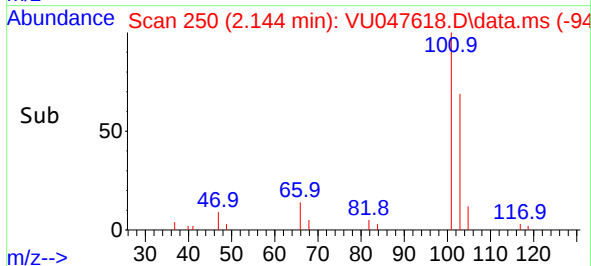
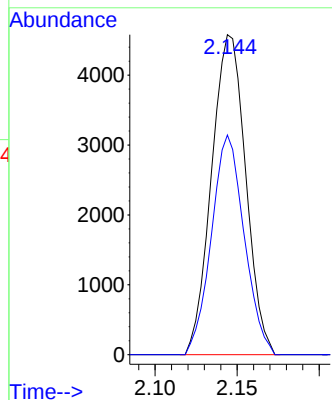
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022



Tgt Ion:101 Resp: 662
Ion Ratio Lower Upper
101 100
103 68.7 52.2 78.2

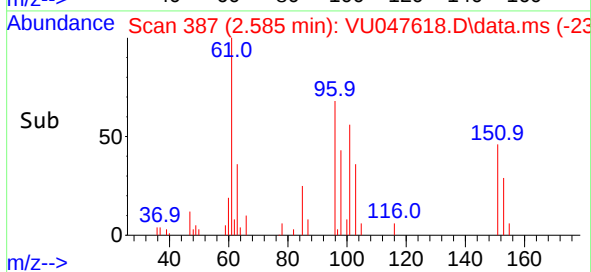
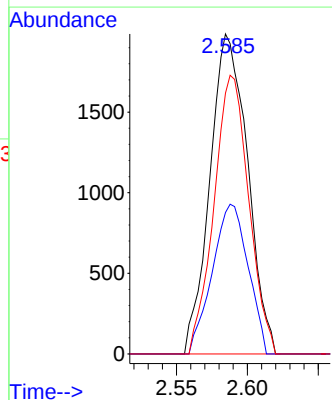
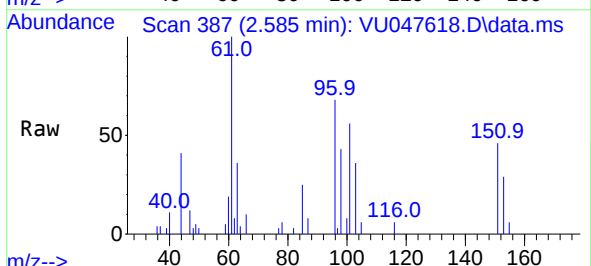
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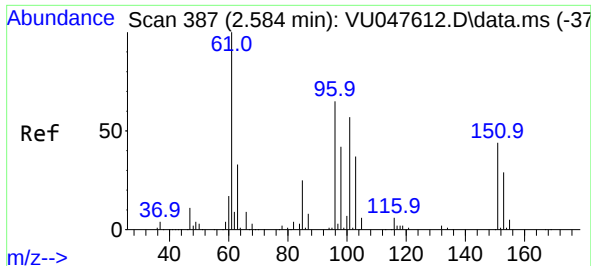
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.469 ug/l
RT: 2.585 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Tgt Ion:101 Resp: 3663
Ion Ratio Lower Upper
101 100
85 44.5 35.8 53.6
151 80.6 54.6 81.8





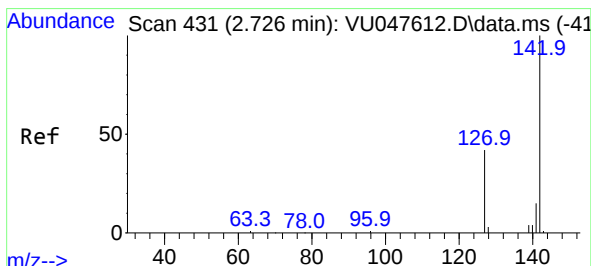
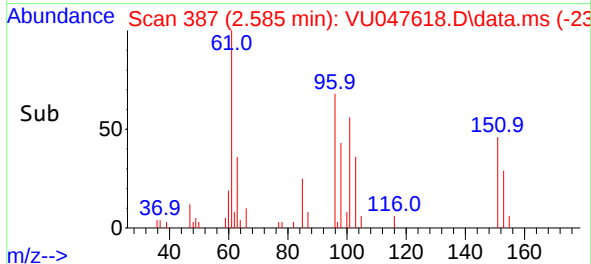
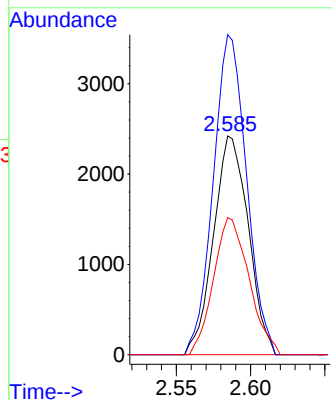
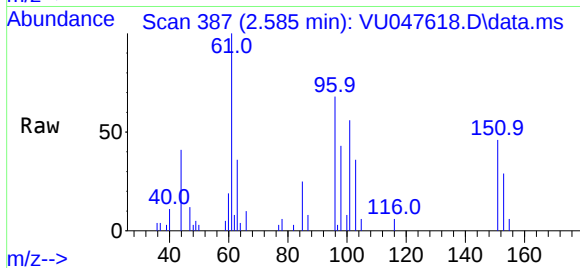
#9
1,1-Dichloroethene
Concen: 0.511 ug/l
RT: 2.585 min Scan# 387
Delta R.T. 0.000 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022

Tgt Ion: 96 Resp: 3944
Ion Ratio Lower Upper
96 100
61 146.3 0.0 514.2
98 62.7 0.0 126.4

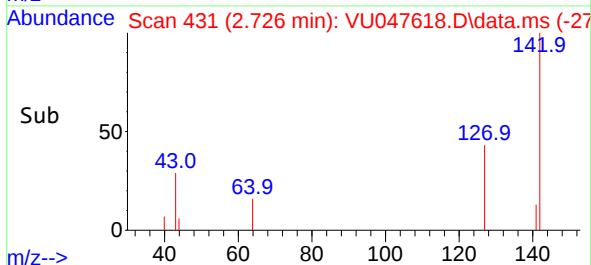
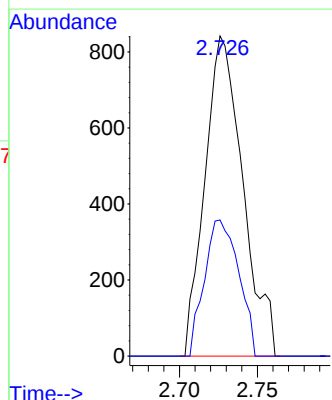
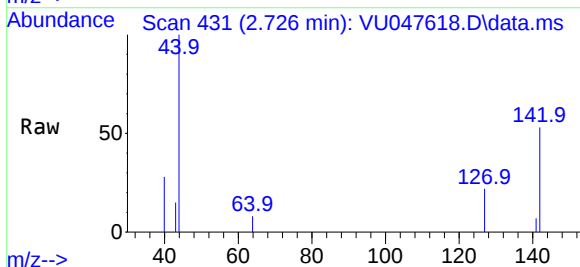
Manual Integrations
APPROVED

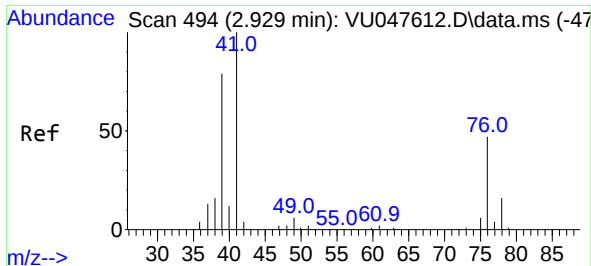
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#10
Iodomethane
Concen: 0.452 ug/l
RT: 2.726 min Scan# 431
Delta R.T. 0.000 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

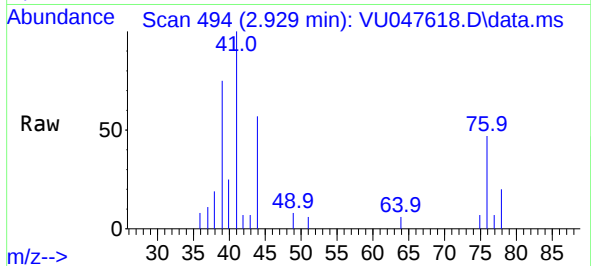
Tgt Ion:142 Resp: 1426
Ion Ratio Lower Upper
142 100
127 38.4 33.2 49.8





#11
 Allyl Chloride
 Concen: 0.515 ug/l
 RT: 2.929 min Scan# 494
 Delta R.T. 0.000 min
 Lab File: VU047618.D
 Acq: 18 Mar 2022 16:50

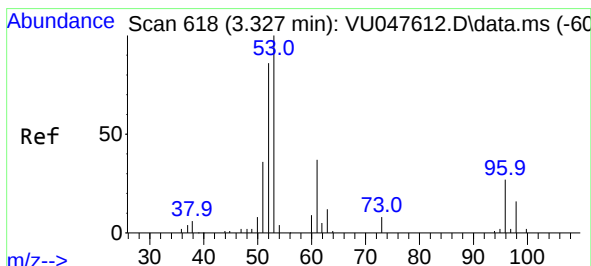
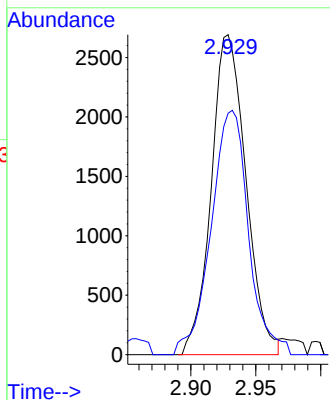
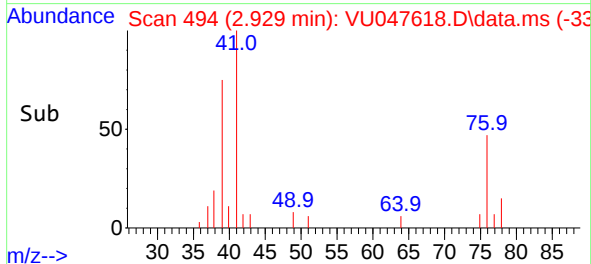
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2022



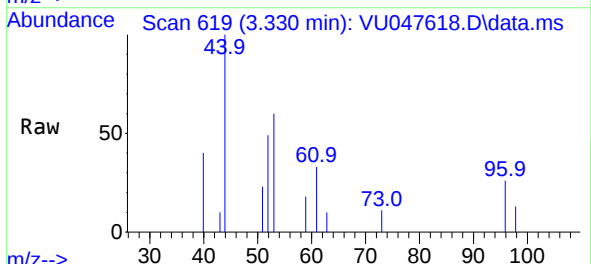
Tgt Ion: 41 Resp: 4998
 Ion Ratio Lower Upper
 41 100
 39 82.1 62.4 93.6

Manual Integrations
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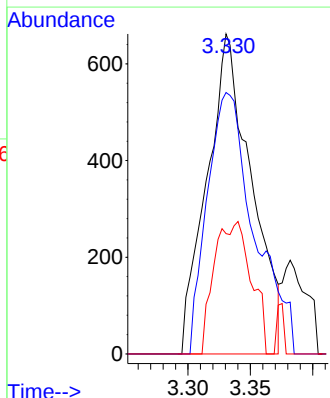
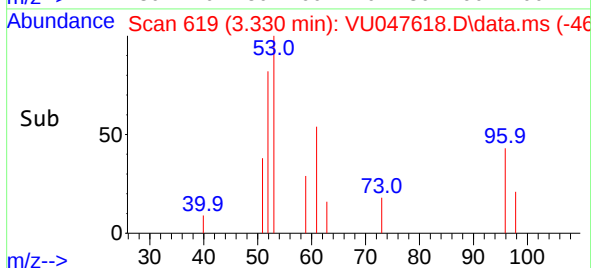
Reviewed By :John Carlone 03/31/2022
 Supervised By :Mahesh Dadoda 03/31/2022

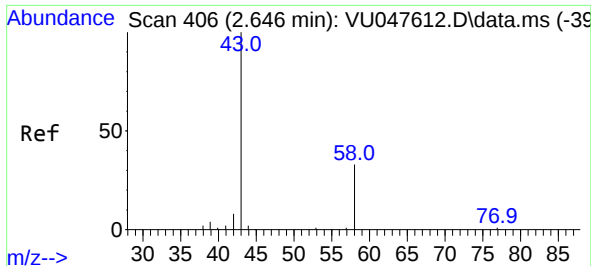


#12
 Acrylonitrile
 Concen: 0.963 ug/l
 RT: 3.330 min Scan# 619
 Delta R.T. 0.003 min
 Lab File: VU047618.D
 Acq: 18 Mar 2022 16:50



Tgt Ion: 53 Resp: 1640
 Ion Ratio Lower Upper
 53 100
 52 86.4 56.7 85.1#
 51 34.5 30.3 45.5





#13

Acetone

Concen: 2.639 ug/l

RT: 2.652 min Scan# 406

Delta R.T. 0.006 min

Lab File: VU047618.D

Acq: 18 Mar 2022 16:50

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2022

Tgt Ion: 43 Resp: 305

Ion Ratio Lower Upper

43 100

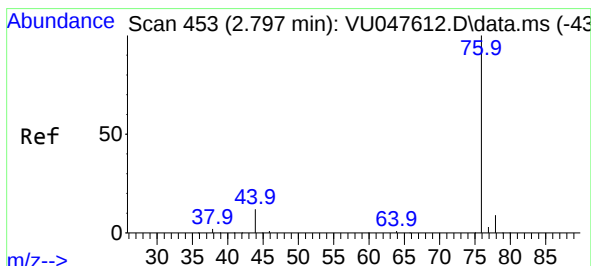
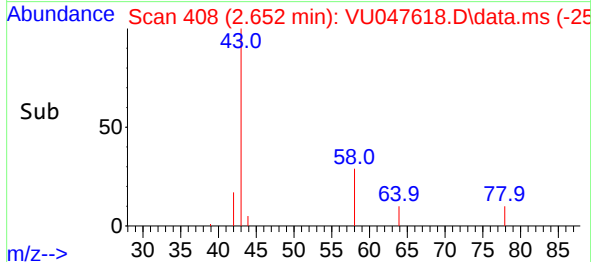
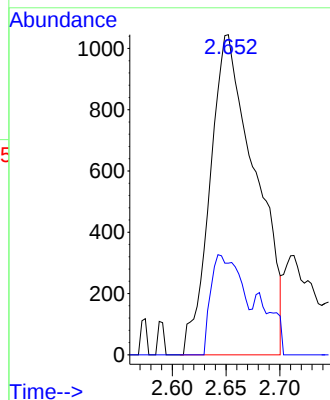
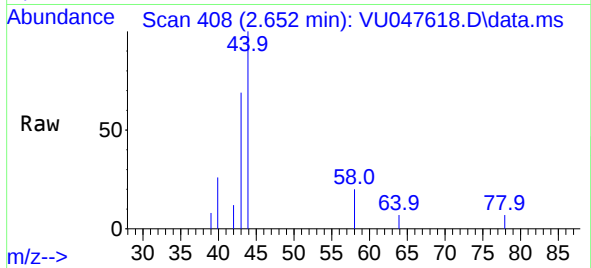
58 28.6 27.1 40.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#14

Carbon Disulfide

Concen: 0.510 ug/l

RT: 2.800 min Scan# 454

Delta R.T. 0.003 min

Lab File: VU047618.D

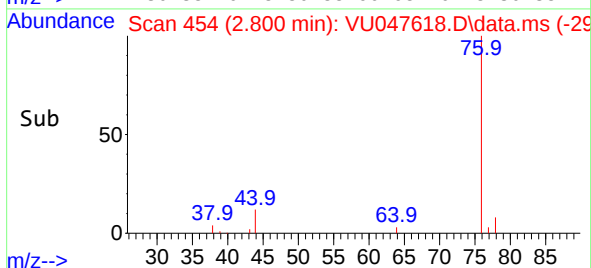
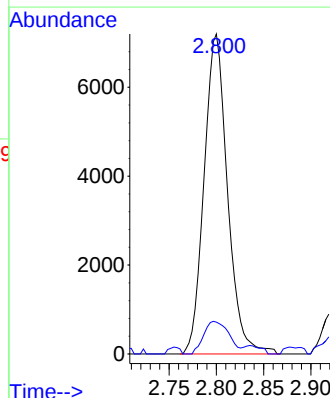
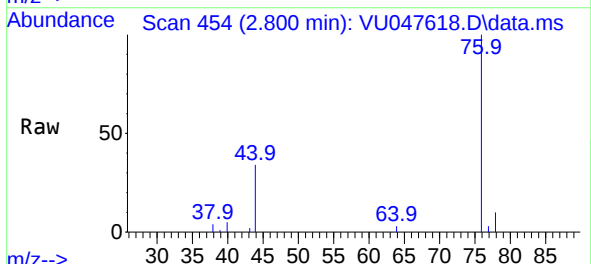
Acq: 18 Mar 2022 16:50

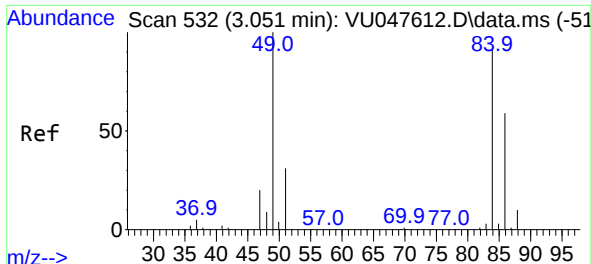
Tgt Ion: 76 Resp: 12429

Ion Ratio Lower Upper

76 100

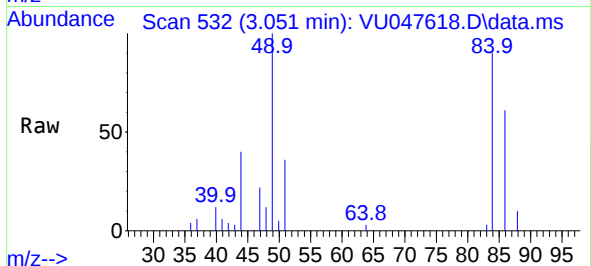
78 9.9 7.1 10.7





#15
Methylene Chloride
Concen: 0.589 ug/l
RT: 3.051 min Scan# 511
Delta R.T. -0.000 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

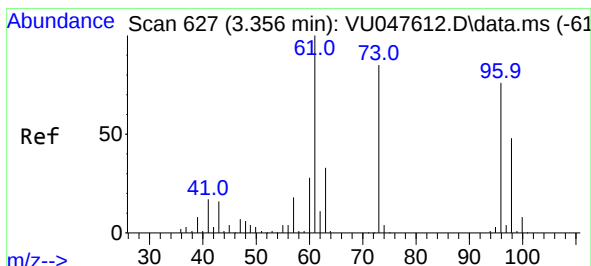
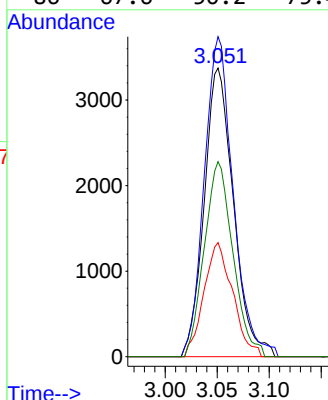
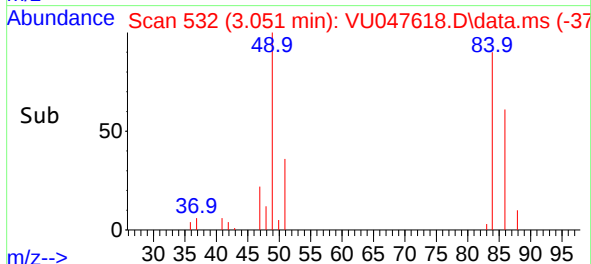
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022



Tgt Ion: 84 Resp: 6620
Ion Ratio Lower Upper
84 100
49 110.9 97.2 145.8
51 39.5 0.0 73.4
86 67.6 50.2 75.4

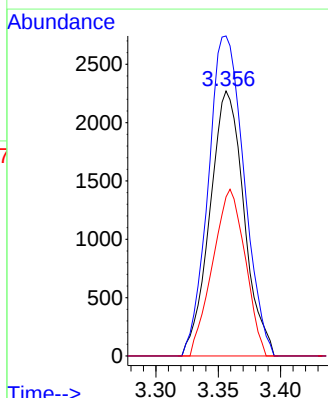
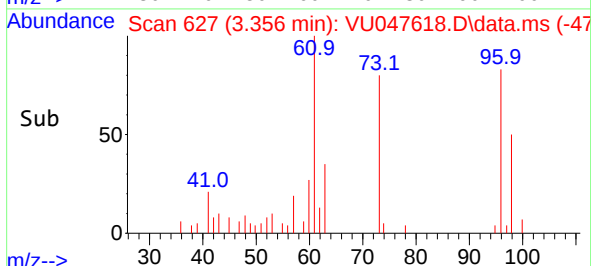
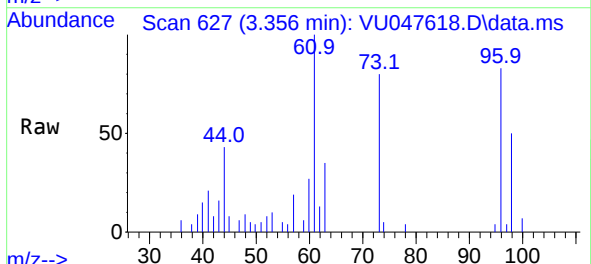
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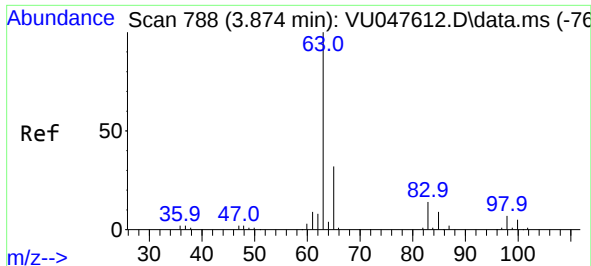
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#16
trans-1,2-Dichloroethene
Concen: 0.535 ug/l
RT: 3.356 min Scan# 627
Delta R.T. 0.000 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Tgt Ion: 96 Resp: 4338
Ion Ratio Lower Upper
96 100
61 120.8 115.8 173.6
98 60.0 51.1 76.7





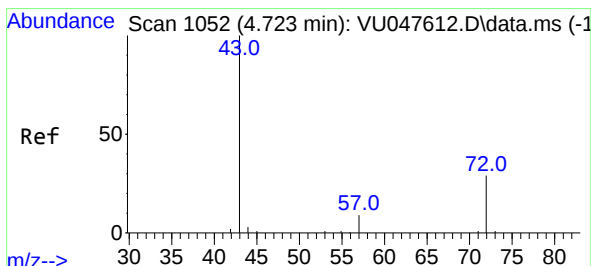
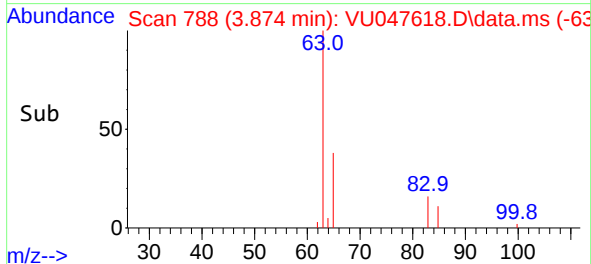
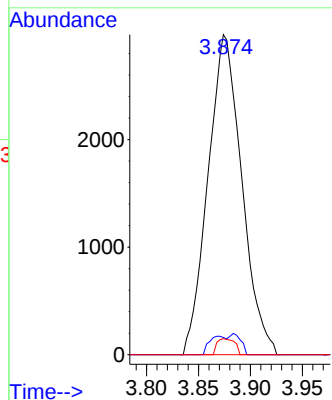
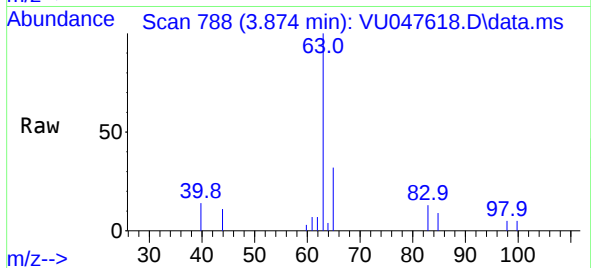
#17
1,1-Dichloroethane
Concen: 0.489 ug/l
RT: 3.874 min Scan# 718
Delta R.T. 0.000 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022

Tgt Ion: 63 Resp: 673
Ion Ratio Lower Upper
63 100
98 5.4 3.6 10.8
100 5.0 2.1 6.5

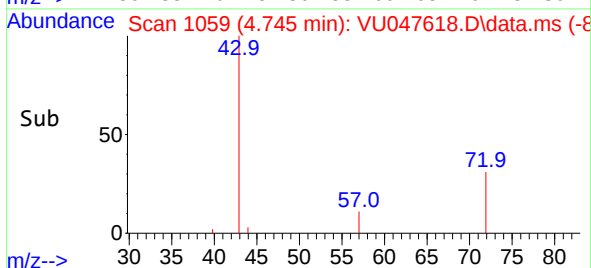
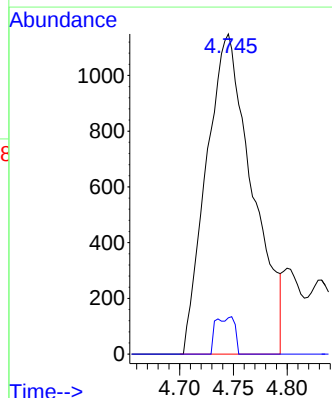
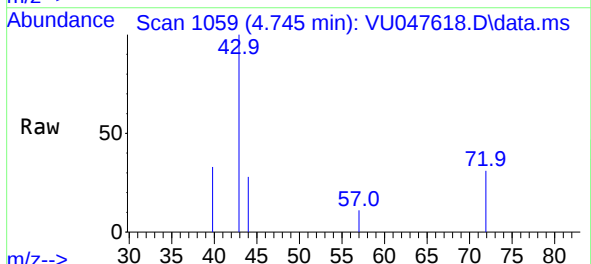
Manual Integrations
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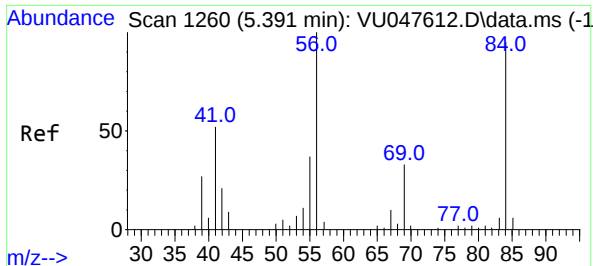
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#18
2-Butanone
Concen: 1.890 ug/l
RT: 4.745 min Scan# 1059
Delta R.T. 0.023 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Tgt Ion: 43 Resp: 3410
Ion Ratio Lower Upper
43 100
57 11.3 0.0 16.6





#19

Cyclohexane

Concen: 0.462 ug/l m

RT: 5.388 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU047618.D

Acq: 18 Mar 2022 16:50

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2022

Tgt Ion: 56 Resp: 477

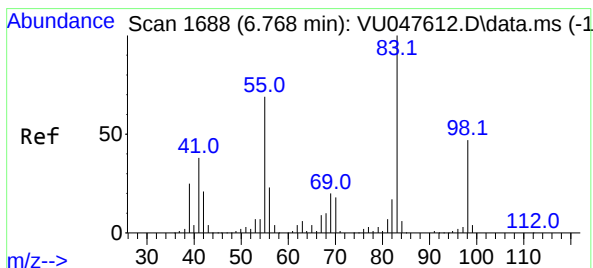
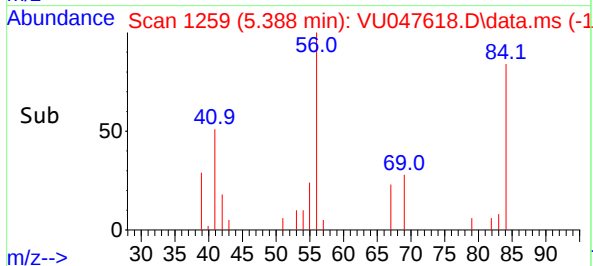
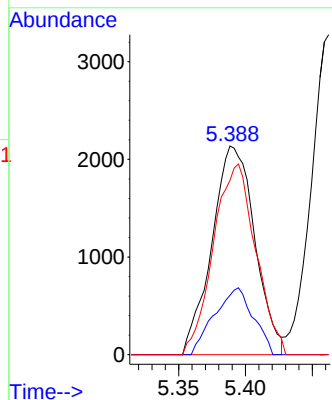
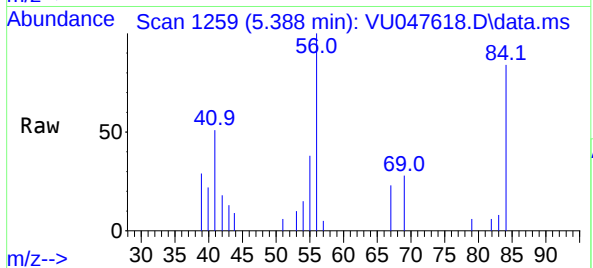
Ion	Ratio	Lower	Upper
56	100		
69	29.1	24.7	37.1
84	89.8	68.8	103.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#20

Methylcyclohexane

Concen: 0.419 ug/l

RT: 6.764 min Scan# 1687

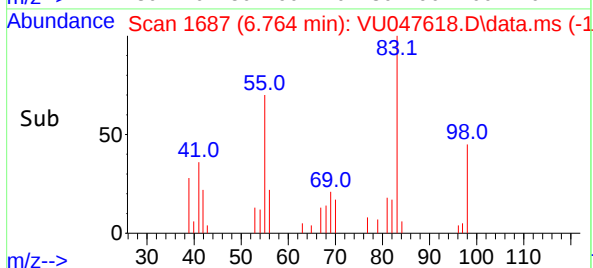
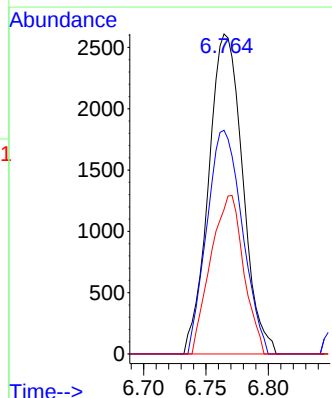
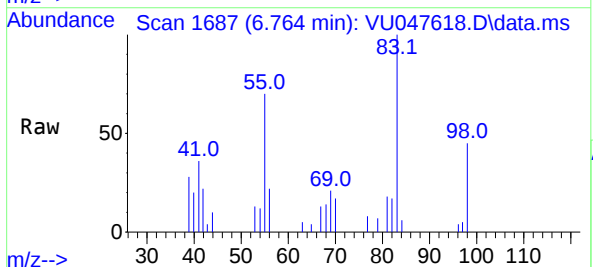
Delta R.T. -0.003 min

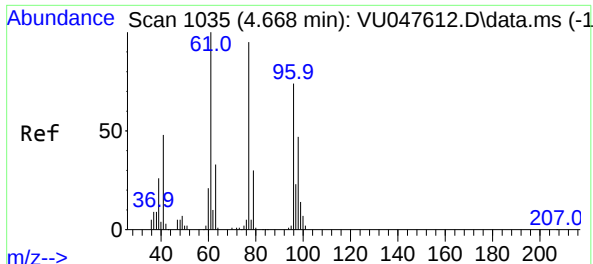
Lab File: VU047618.D

Acq: 18 Mar 2022 16:50

Tgt Ion: 83 Resp: 4962

Ion	Ratio	Lower	Upper
83	100		
55	72.6	61.9	92.9
98	47.9	37.4	56.2





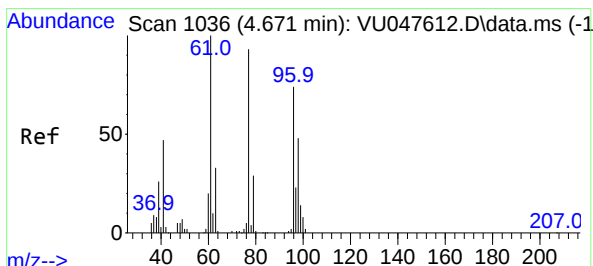
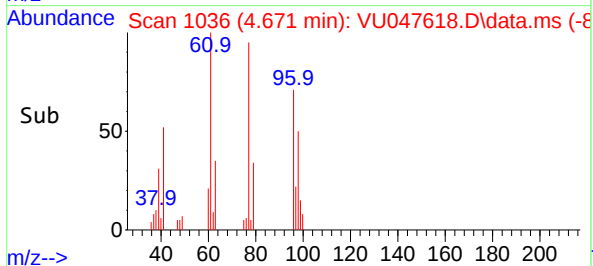
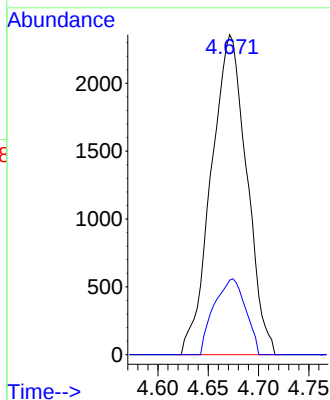
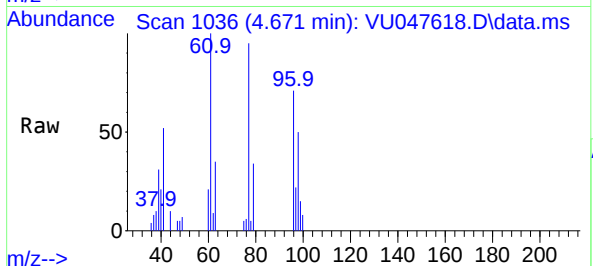
#21
2,2-Dichloropropane
Concen: 0.478 ug/l
RT: 4.671 min Scan# 1035
Delta R.T. 0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT1-2022

Tgt Ion: 77 Resp: 578
Ion Ratio Lower Upper
77 100
97 21.0 17.2 25.8

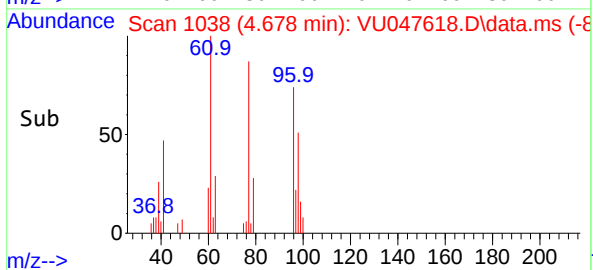
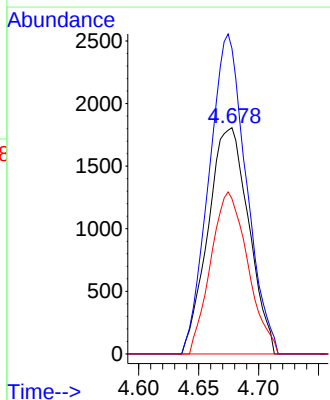
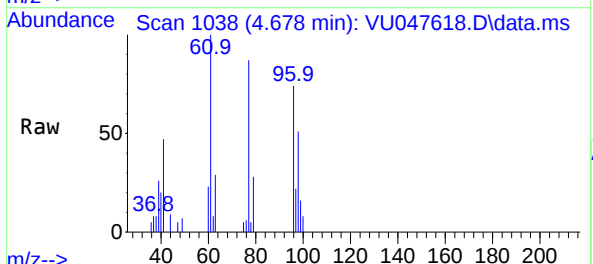
Manual Integrations
APPROVED

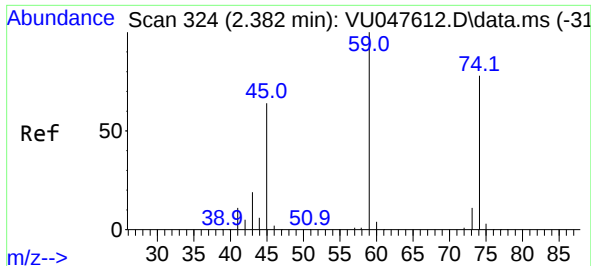
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#22
cis-1,2-Dichloroethene
Concen: 0.483 ug/l
RT: 4.678 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Tgt Ion: 96 Resp: 4257
Ion Ratio Lower Upper
96 100
61 129.6 0.0 385.3
98 65.4 32.1 96.3





#23

Diethyl Ether

Concen: 0.491 ug/l

RT: 2.382 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU047618.D

Acq: 18 Mar 2022 16:50

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2022

Tgt Ion: 59 Resp: 277

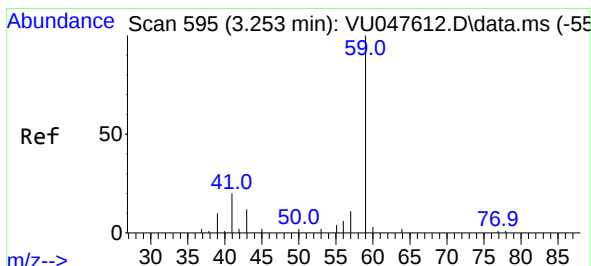
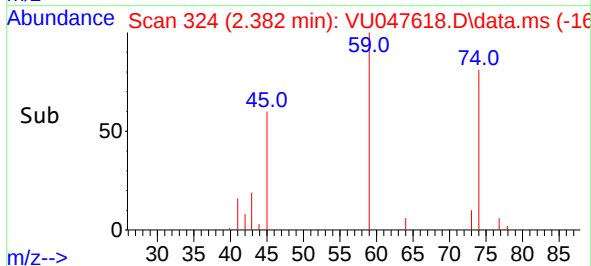
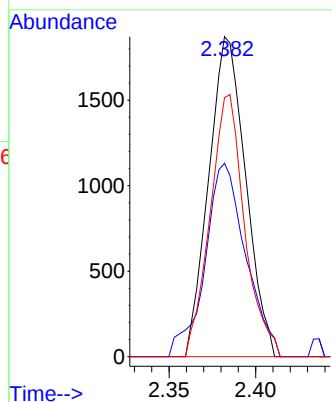
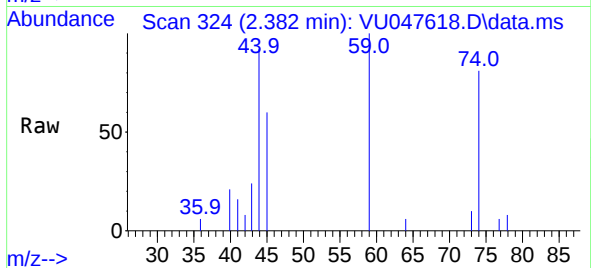
Ion	Ratio	Lower	Upper
59	100		
45	66.6	55.6	83.4
74	76.7	58.1	87.1

Manual Integrations

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Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#24

tert-Butyl Alcohol

Concen: 3.739 ug/l m

RT: 3.247 min Scan# 593

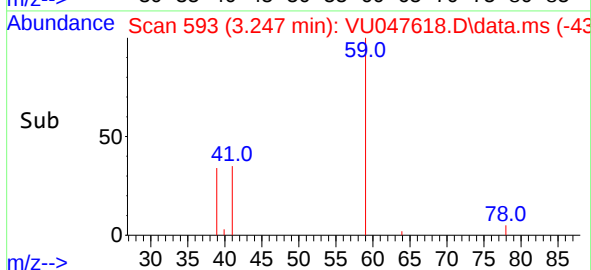
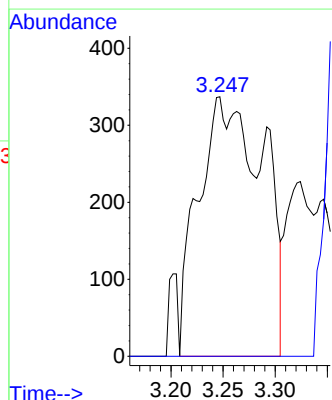
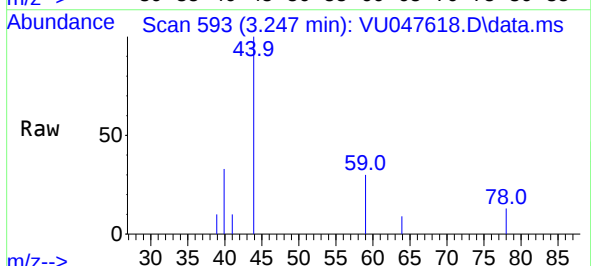
Delta R.T. -0.006 min

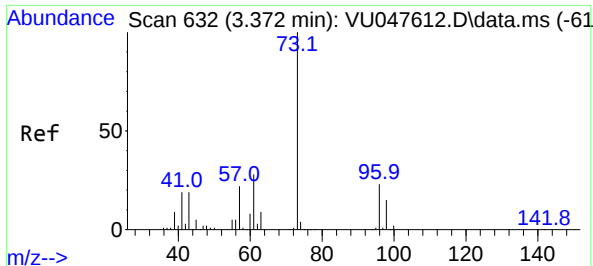
Lab File: VU047618.D

Acq: 18 Mar 2022 16:50

Tgt Ion: 59 Resp: 1454

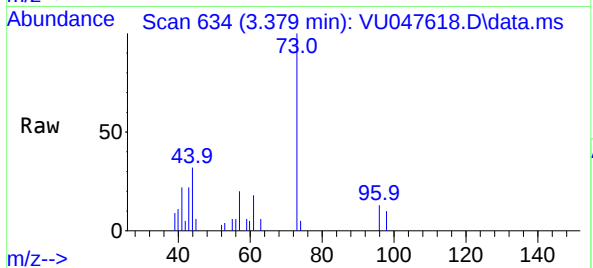
Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.5	9.7#





#25
Methyl tert-Butyl Ether
Concen: 0.507 ug/l
RT: 3.379 min Scan# 61
Delta R.T. 0.006 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

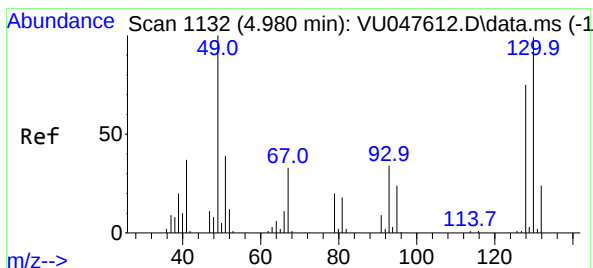
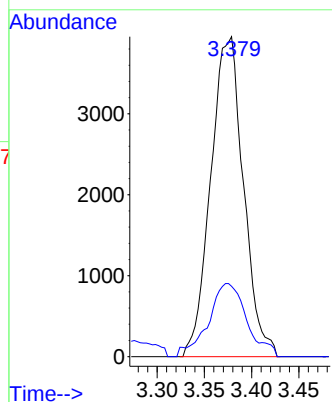
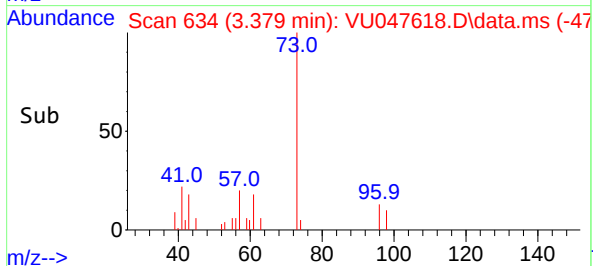
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022



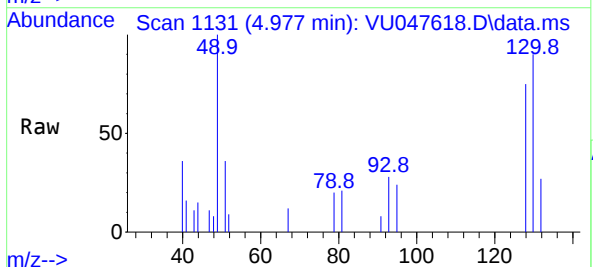
Tgt Ion: 73 Resp: 9528
Ion Ratio Lower Upper
73 100
43 26.7 16.3 24.5

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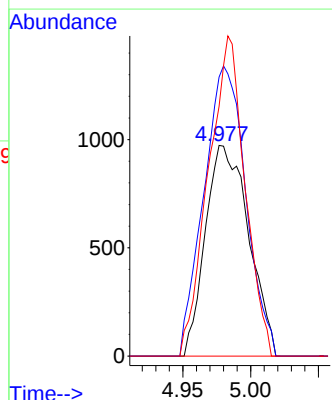
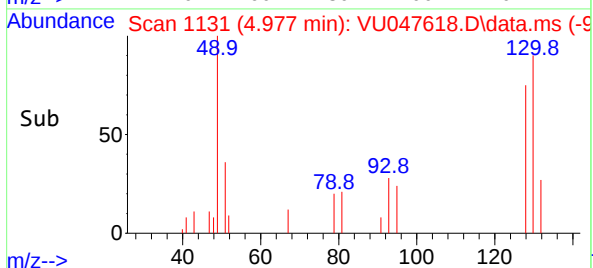
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

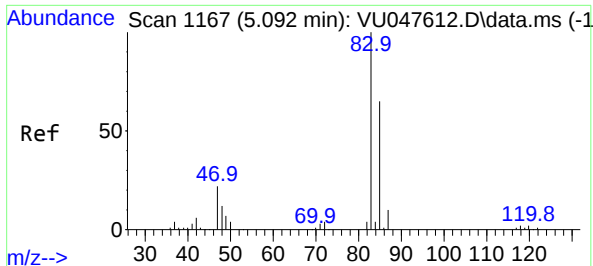


#26
Bromochloromethane
Concen: 0.484 ug/l
RT: 4.977 min Scan# 1131
Delta R.T. -0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50



Tgt Ion:128 Resp: 2157
Ion Ratio Lower Upper
128 100
49 133.7 0.0 347.4
130 128.6 101.5 152.3





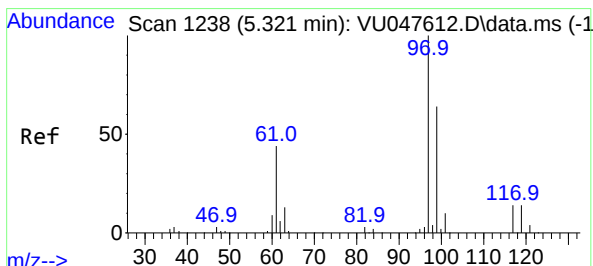
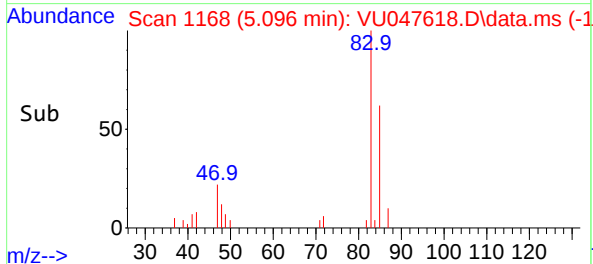
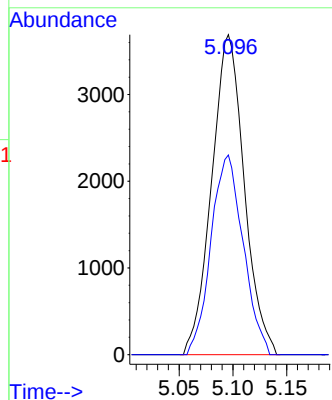
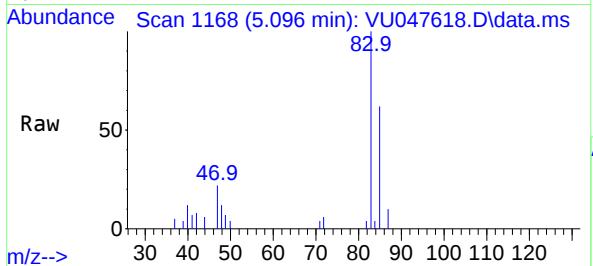
#27
Chloroform
Concen: 0.523 ug/l
RT: 5.096 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022

Tgt Ion: 83 Resp: 778
Ion Ratio Lower Upper
83 100
85 62.4 0.0 129.2

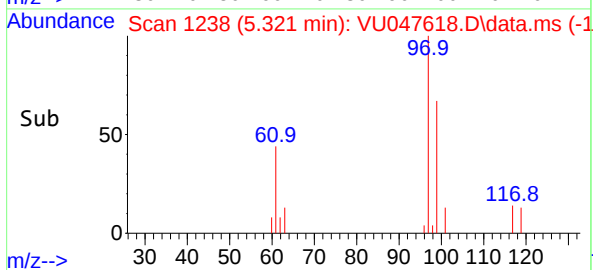
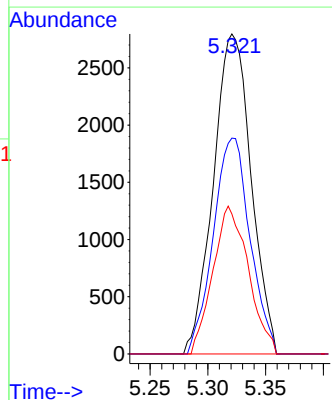
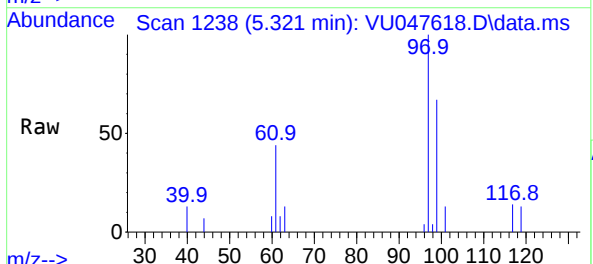
Manual Integrations
APPROVED

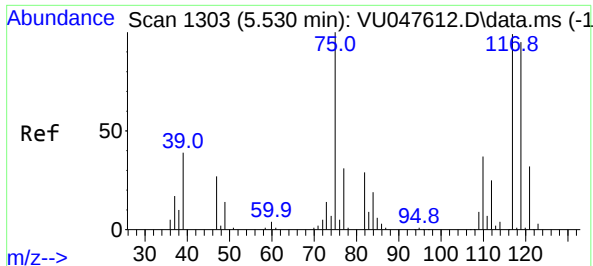
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#28
1,1,1-Trichloroethane
Concen: 0.492 ug/l
RT: 5.321 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Tgt Ion: 97 Resp: 6360
Ion Ratio Lower Upper
97 100
99 65.8 32.2 96.6
61 43.5 24.5 73.5





#29

1,1-Dichloropropene

Concen: 0.465 ug/l

RT: 5.530 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU047618.D

Acq: 18 Mar 2022 16:50

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2022

Tgt Ion: 75 Resp: 4869

Ion Ratio Lower Upper

75 100

110 36.3 16.8 50.3

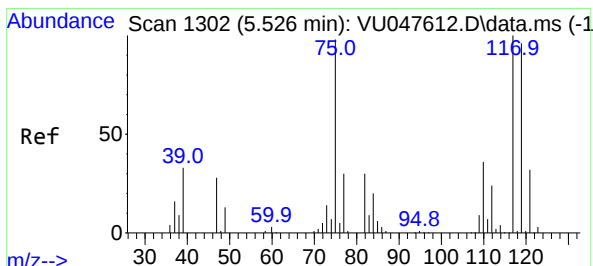
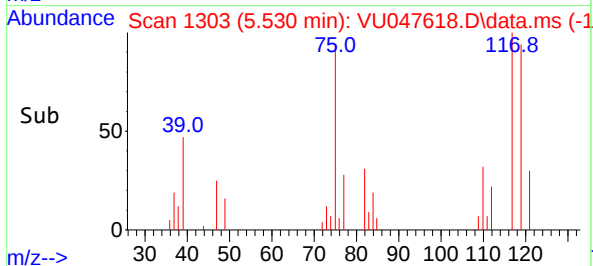
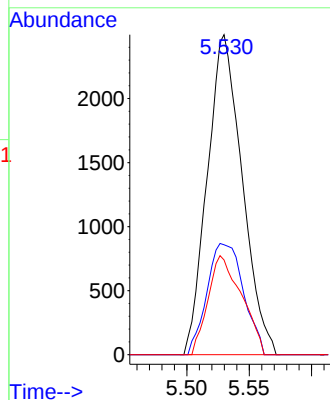
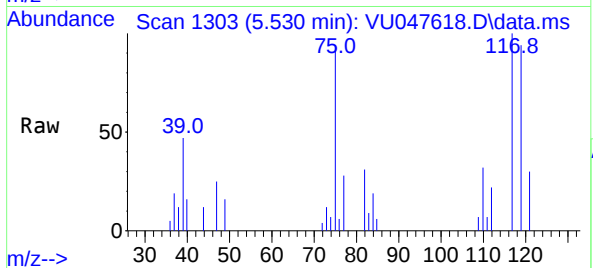
77 29.8 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#30

Carbon Tetrachloride

Concen: 0.509 ug/l

RT: 5.527 min Scan# 1302

Delta R.T. 0.000 min

Lab File: VU047618.D

Acq: 18 Mar 2022 16:50

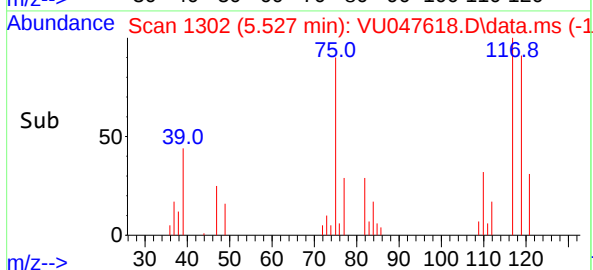
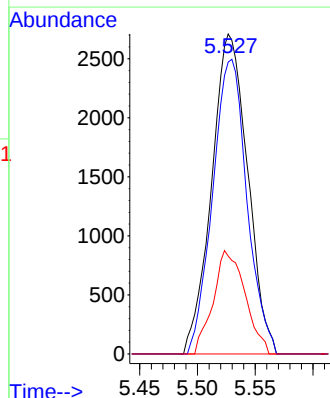
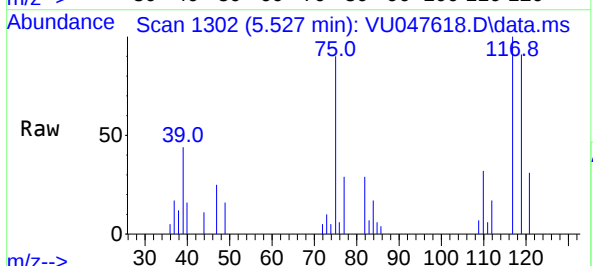
Tgt Ion:117 Resp: 5862

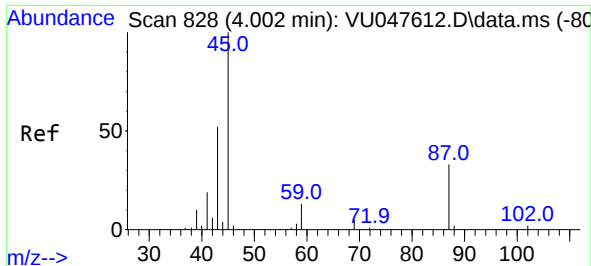
Ion Ratio Lower Upper

117 100

119 91.2 76.8 115.2

121 30.6 24.6 37.0





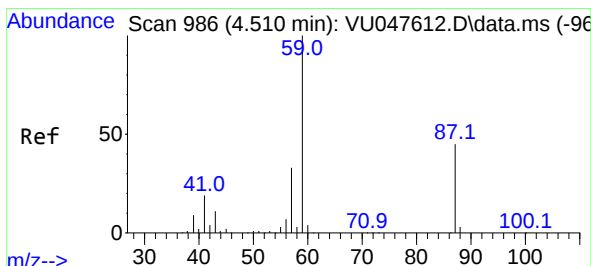
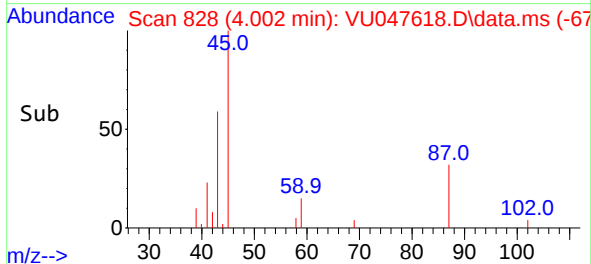
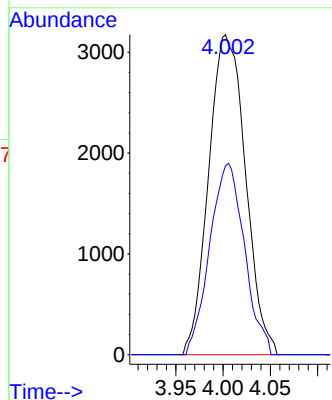
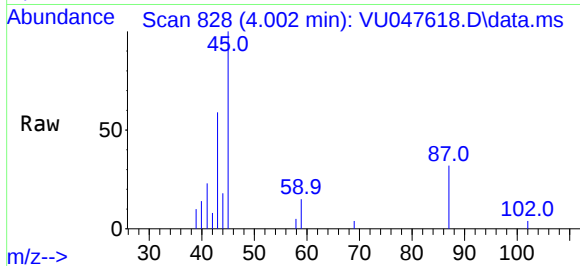
#31
Isopropyl Ether
Concen: 0.470 ug/l
RT: 4.002 min Scan# 81
Delta R.T. 0.000 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022

Tgt Ion: 45 Resp: 859
Ion Ratio Lower Upper
45 100
43 56.4 25.3 75.8

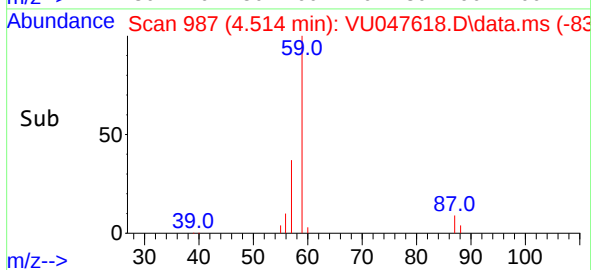
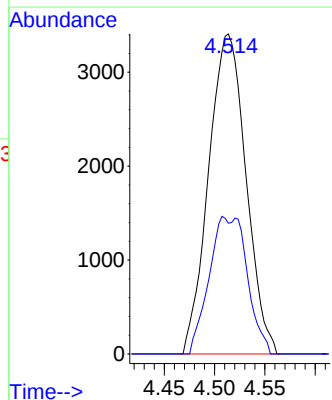
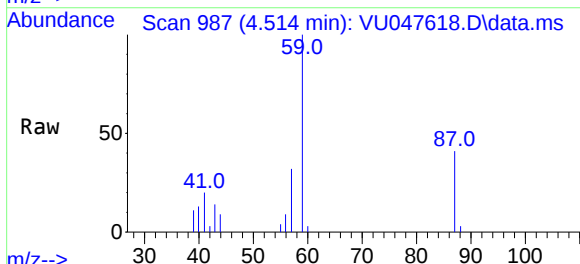
Manual Integrations
APPROVED

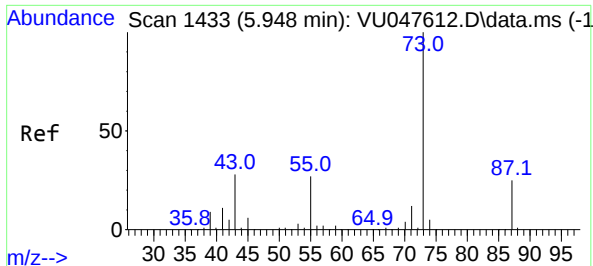
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#32
Ethyl-t-butyl ether
Concen: 0.477 ug/l
RT: 4.514 min Scan# 987
Delta R.T. 0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

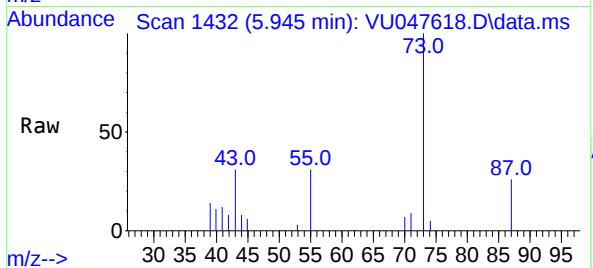
Tgt Ion: 59 Resp: 8803
Ion Ratio Lower Upper
59 100
87 23.3 32.7 49.1#





Tert-Amyl methyl ether
 Concen: 0.434 ug/l
 RT: 5.945 min Scan# 1433
 Delta R.T. -0.003 min
 Lab File: VU047618.D
 Acq: 18 Mar 2022 16:50

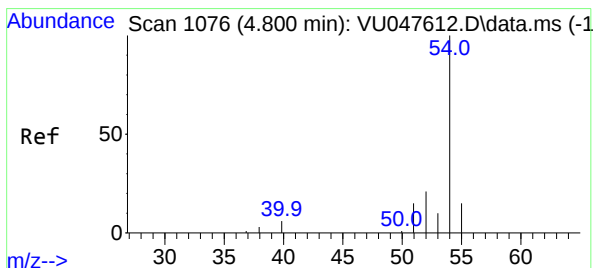
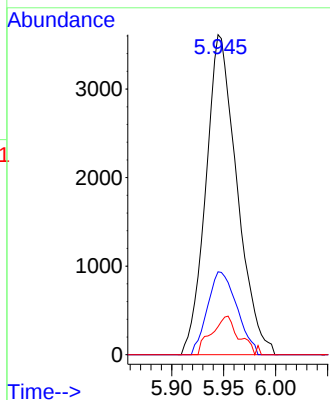
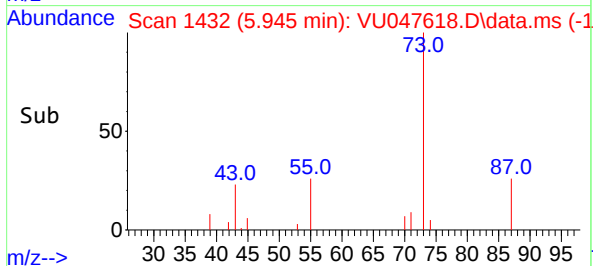
Instrument : MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2022



Tgt Ion: 73 Resp: 7524
 Ion Ratio Lower Upper
 73 100
 87 24.5 18.6 28.0
 71 10.6 9.0 13.6

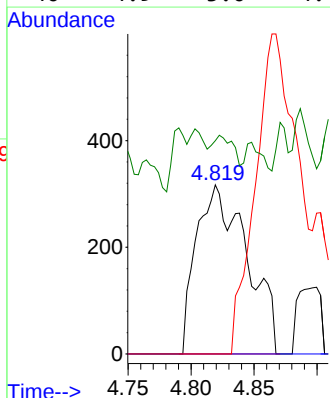
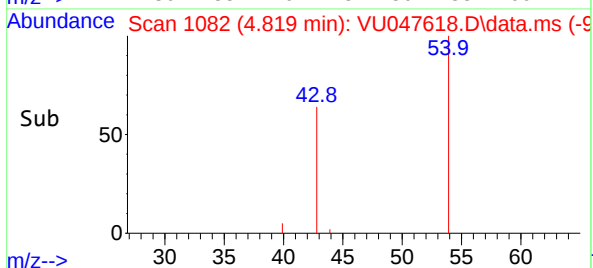
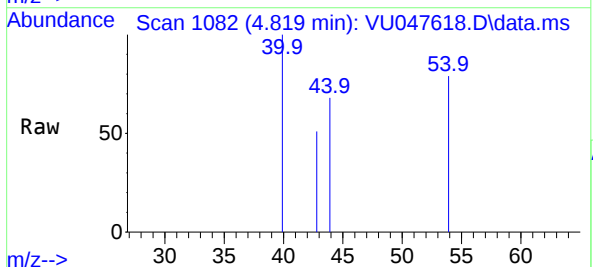
Manual Integrations
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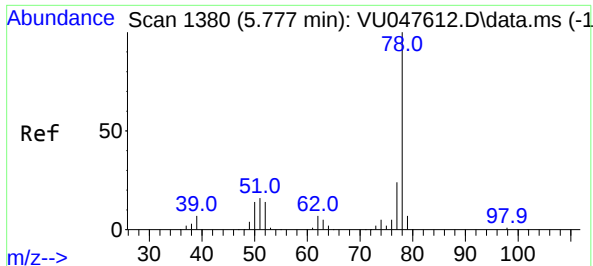
Reviewed By :John Carlone 03/31/2022
 Supervised By :Mahesh Dadoda 03/31/2022



Propionitrile
 Concen: 1.813 ug/l m
 RT: 4.819 min Scan# 1082
 Delta R.T. 0.019 min
 Lab File: VU047618.D
 Acq: 18 Mar 2022 16:50

Tgt Ion: 54 Resp: 884
 Ion Ratio Lower Upper
 54 100
 52 0.0 11.9 17.9#
 55 0.0 8.0 12.0#
 40 4.9 3.0 4.4#





#35

Benzene

Concen: 0.484 ug/l

RT: 5.781 min Scan# 1381

Delta R.T. 0.003 min

Lab File: VU047618.D

Acq: 18 Mar 2022 16:50

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2022

Tgt Ion: 78 Resp: 1517

Ion Ratio Lower Upper

78 100

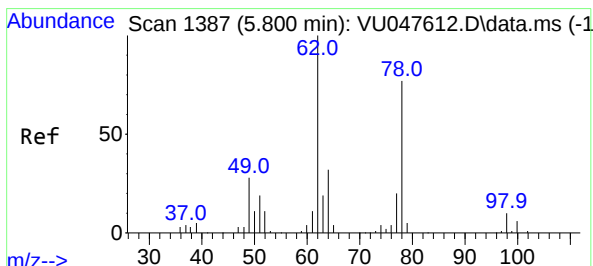
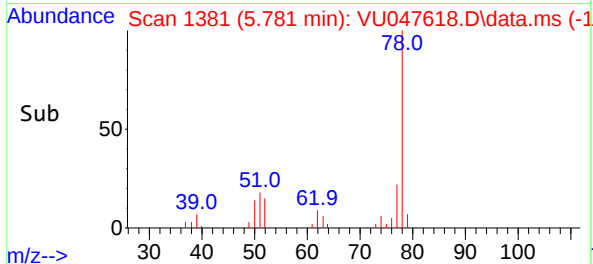
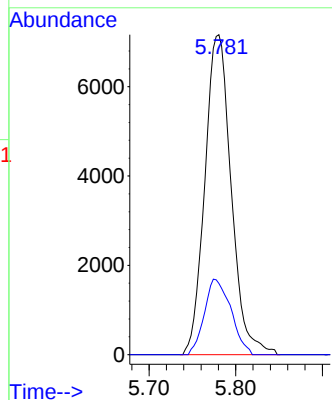
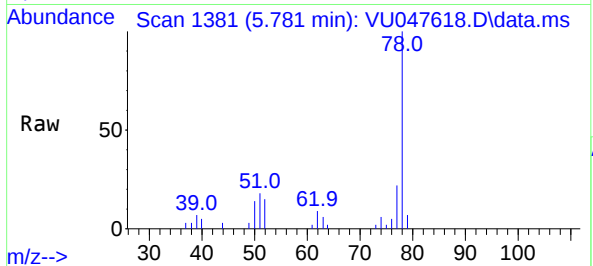
77 22.3 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#36

1,2-Dichloroethane

Concen: 0.491 ug/l

RT: 5.803 min Scan# 1388

Delta R.T. 0.003 min

Lab File: VU047618.D

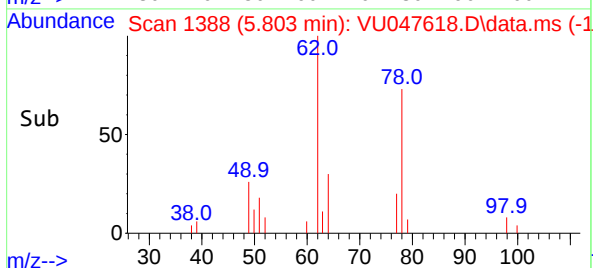
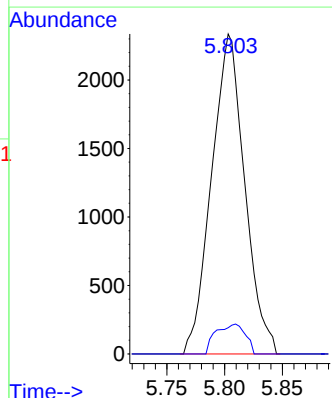
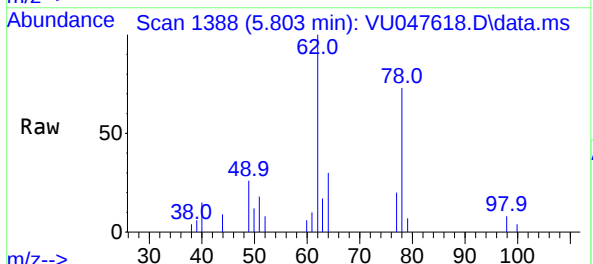
Acq: 18 Mar 2022 16:50

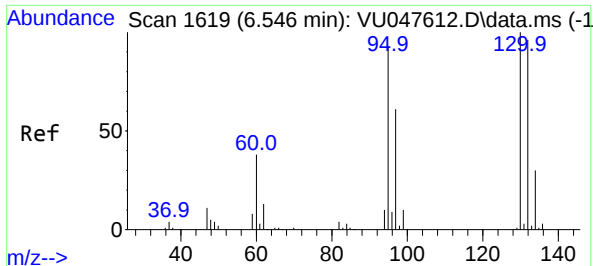
Tgt Ion: 62 Resp: 4657

Ion Ratio Lower Upper

62 100

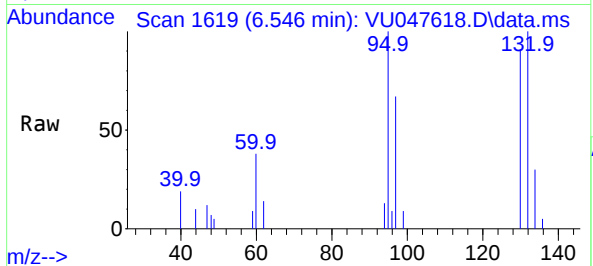
98 8.3 7.3 10.9





#37
Trichloroethene
Concen: 0.449 ug/l
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

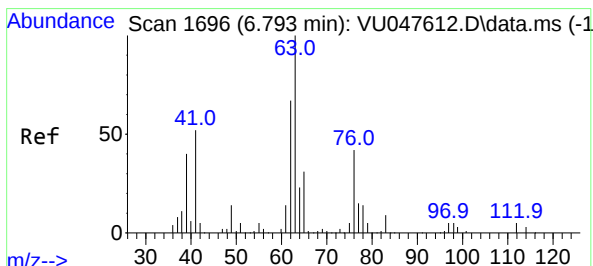
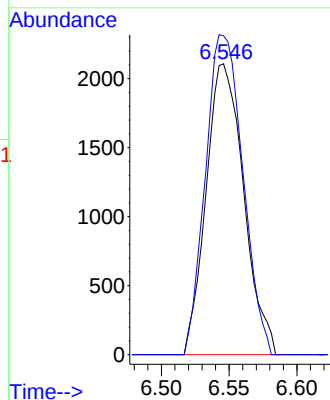
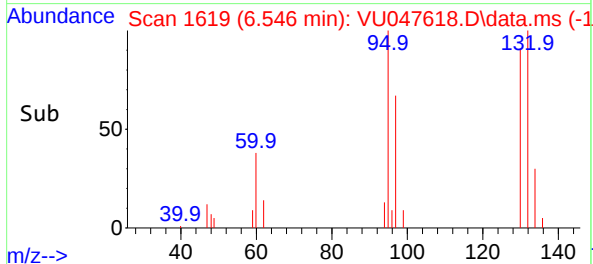
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022



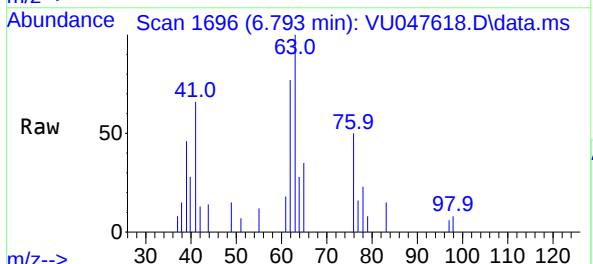
Tgt Ion:130 Resp: 4070
Ion Ratio Lower Upper
130 100
95 109.6 83.8 125.8

Manual Integrations
APPROVED

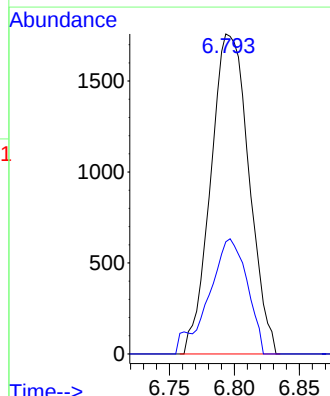
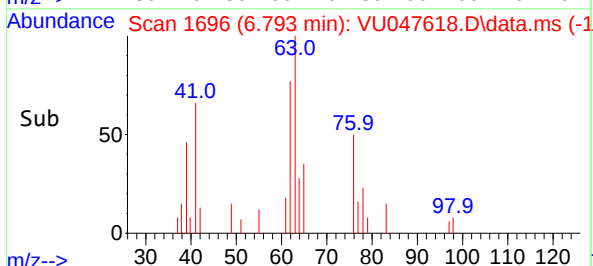
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

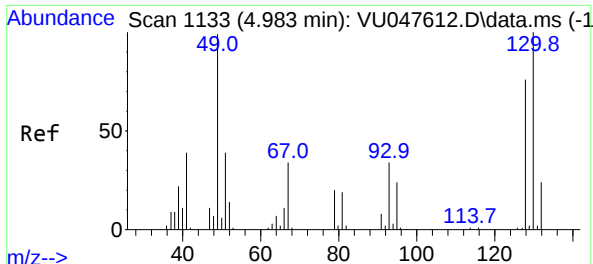


#38
1,2-Dichloropropane
Concen: 0.445 ug/l
RT: 6.793 min Scan# 1696
Delta R.T. 0.000 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50



Tgt Ion: 63 Resp: 3590
Ion Ratio Lower Upper
63 100
65 35.0 24.7 37.1





Methacrylonitrile

Concen: 0.423 ug/l m

RT: 4.993 min Scan# 1133

Delta R.T. 0.010 min

Lab File: VU047618.D

Acq: 18 Mar 2022 16:50

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2022

Tgt Ion: 41 Resp: 950

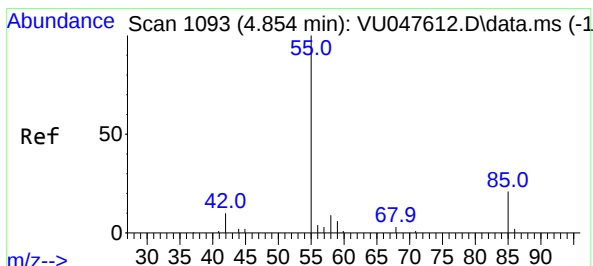
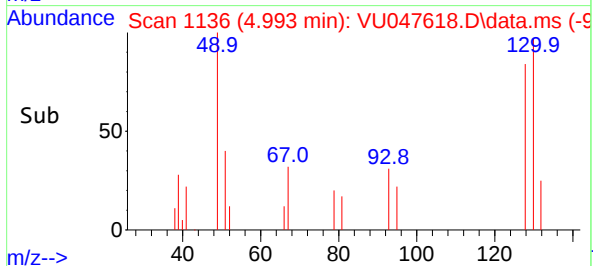
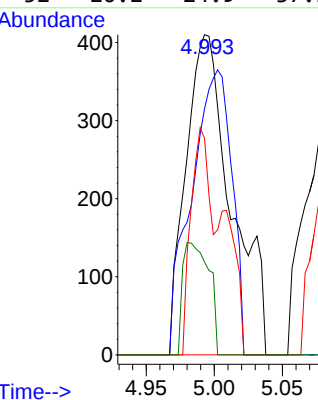
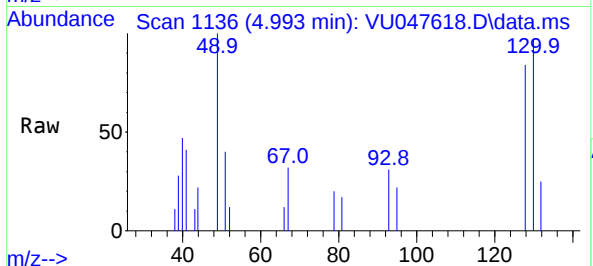
Ion	Ratio	Lower	Upper
41	100		
67	79.0	65.2	97.8
39	33.5	43.0	64.6
52	20.2	24.9	37.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



Methyl acrylate

Concen: 0.466 ug/l m

RT: 4.864 min Scan# 1096

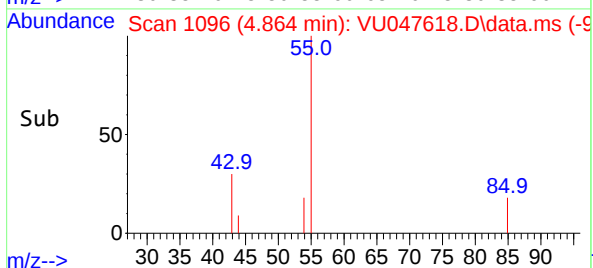
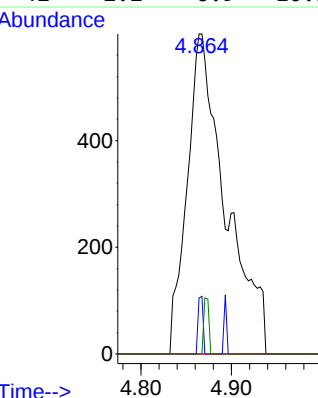
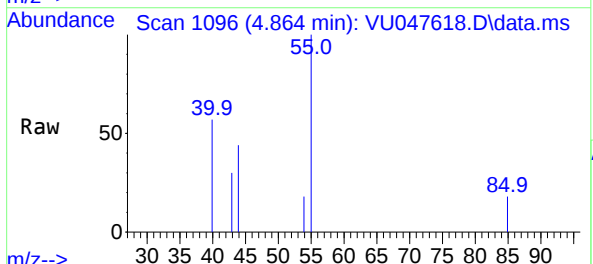
Delta R.T. 0.010 min

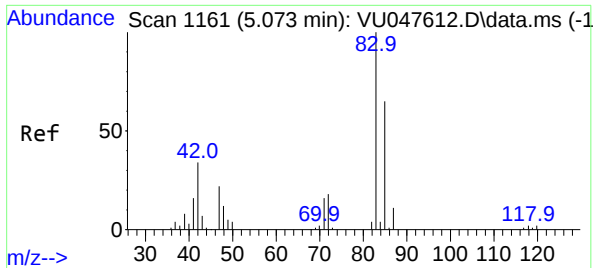
Lab File: VU047618.D

Acq: 18 Mar 2022 16:50

Tgt Ion: 55 Resp: 1779

Ion	Ratio	Lower	Upper
55	100		
85	0.0	12.2	18.2
58	0.0	6.7	10.1
42	2.2	6.9	10.3





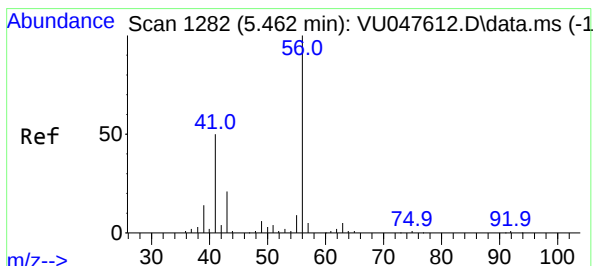
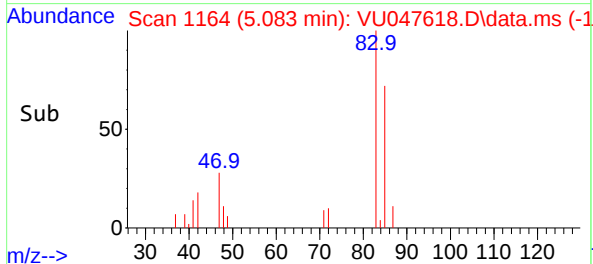
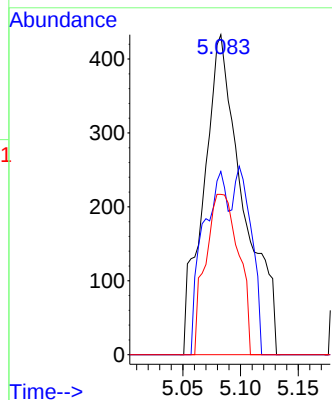
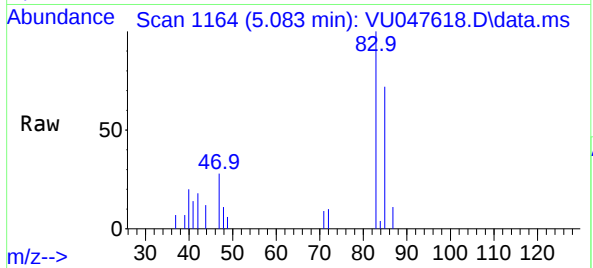
#41
Tetrahydrofuran
Concen: 0.899 ug/l
RT: 5.083 min Scan# 1161
Delta R.T. 0.010 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022

Tgt Ion: 42 Resp: 103
Ion Ratio Lower Upper
42 100
72 35.5 42.4 63.6
71 41.7 36.4 54.6

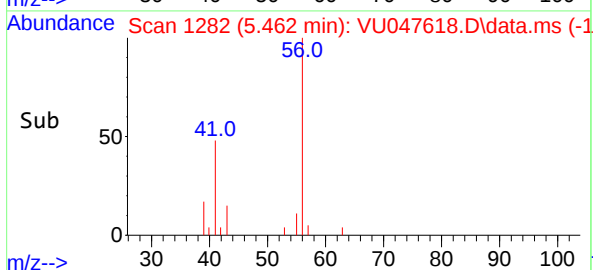
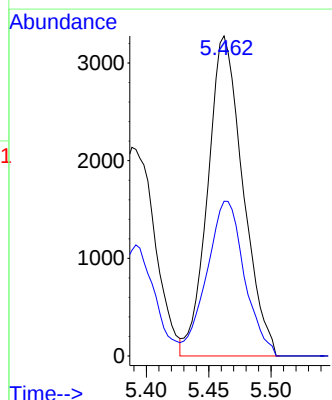
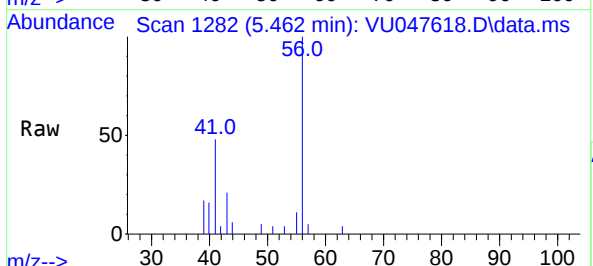
Manual Integrations
APPROVED

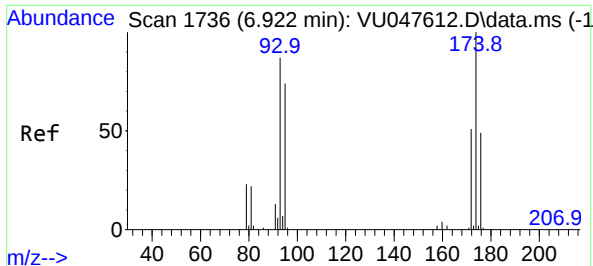
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#42
1-Chlorobutane
Concen: 0.476 ug/l
RT: 5.462 min Scan# 1282
Delta R.T. 0.000 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Tgt Ion: 56 Resp: 6432
Ion Ratio Lower Upper
56 100
41 51.9 26.0 78.0





#43

Dibromomethane

Concen: 0.448 ug/l

RT: 6.925 min Scan# 1736

Delta R.T. 0.003 min

Lab File: VU047618.D

Acq: 18 Mar 2022 16:50

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2022

Tgt Ion: 93 Resp: 216

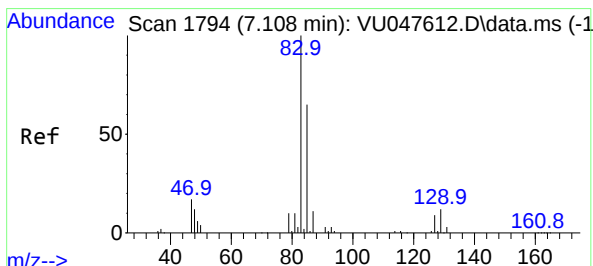
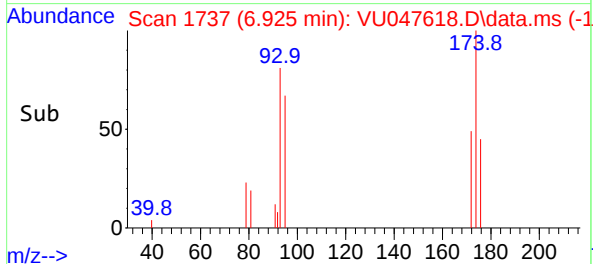
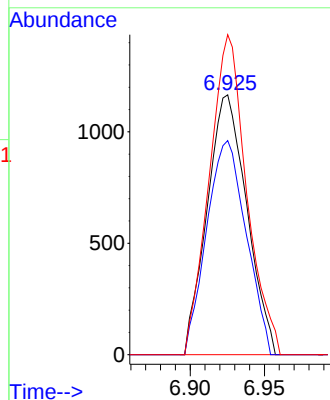
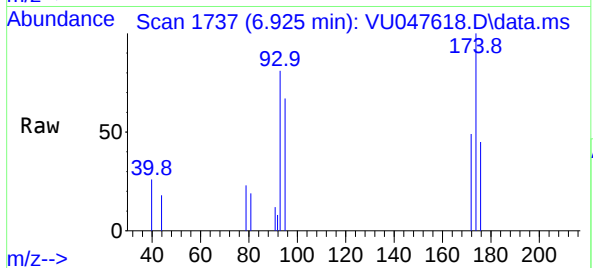
Ion	Ratio	Lower	Upper
93	100		
95	81.9	66.2	99.2
174	116.1	70.7	106.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#44

Bromodichloromethane

Concen: 0.497 ug/l

RT: 7.112 min Scan# 1795

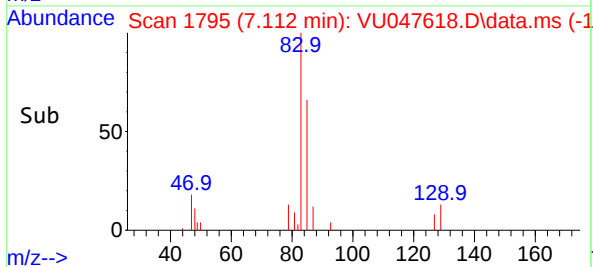
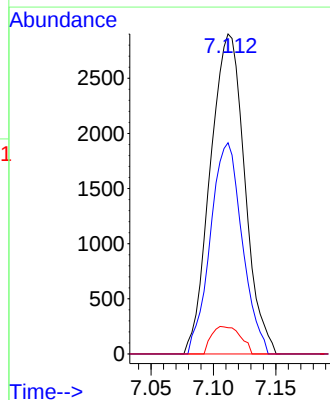
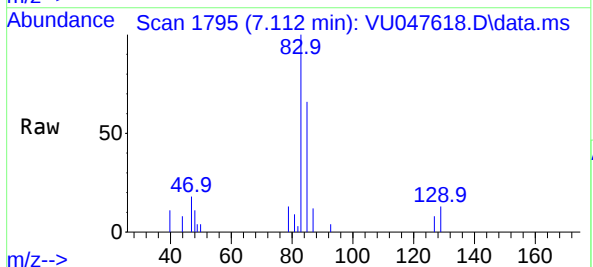
Delta R.T. 0.003 min

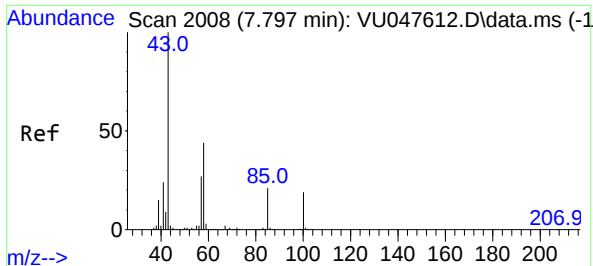
Lab File: VU047618.D

Acq: 18 Mar 2022 16:50

Tgt Ion: 83 Resp: 5578

Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.9	76.3
127	8.2	6.0	9.0





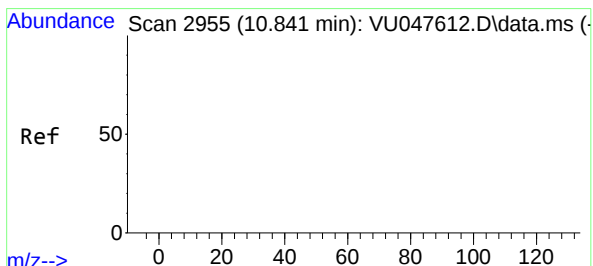
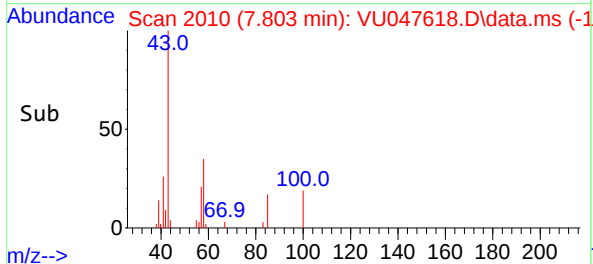
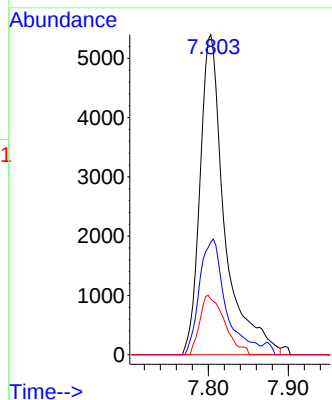
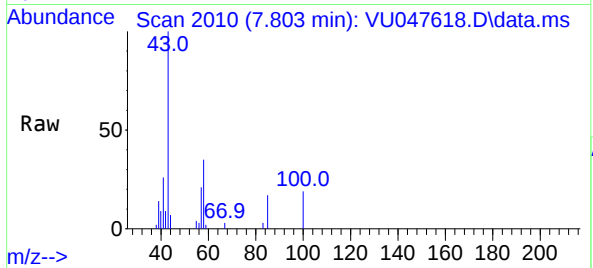
#45
4-Methyl-2-Pentanone
Concen: 2.394 ug/l
RT: 7.803 min Scan# 2010
Delta R.T. 0.006 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022

Tgt Ion: 43 Resp: 11580
Ion Ratio Lower Upper
43 100
58 38.7 21.0 63.0
85 18.6 14.8 22.2

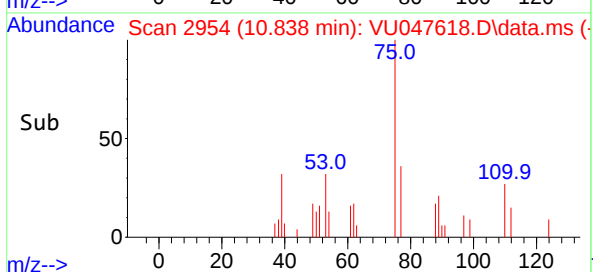
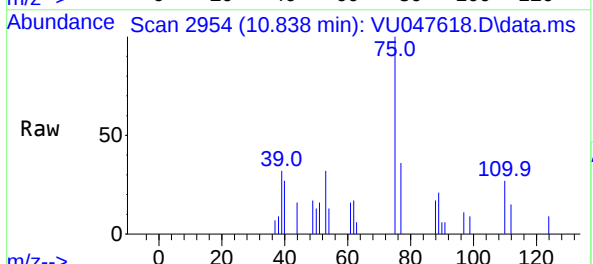
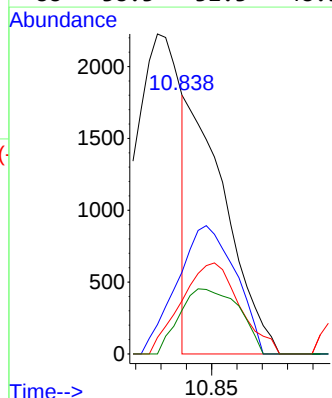
Manual Integrations
APPROVED

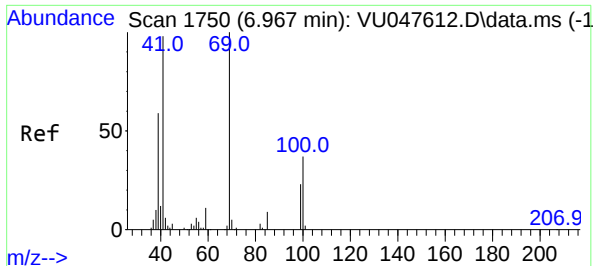
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#46
t-1,4-Dichloro-2-butene
Concen: 0.920 ug/l m
RT: 10.838 min Scan# 2954
Delta R.T. -0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Tgt Ion: 75 Resp: 1932
Ion Ratio Lower Upper
75 100
53 74.3 66.8 100.2
89 52.5 41.7 62.5
88 38.3 32.3 48.5





#47

Methyl methacrylate

Concen: 0.763 ug/l

RT: 6.967 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VU047618.D

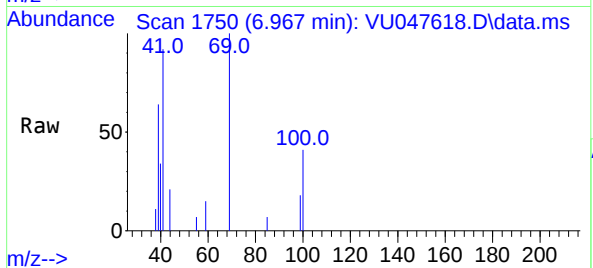
Acq: 18 Mar 2022 16:50

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2022



Tgt Ion: 69 Resp: 298

Ion Ratio Lower Upper

69 100

41 109.7 0.0 230.0

39 73.0 55.1 82.7

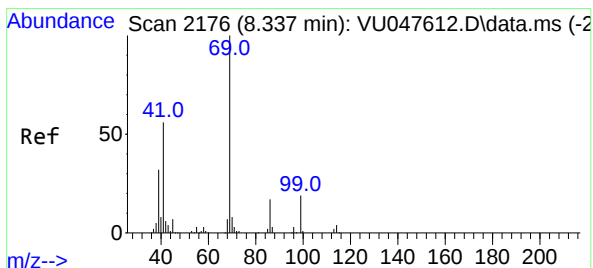
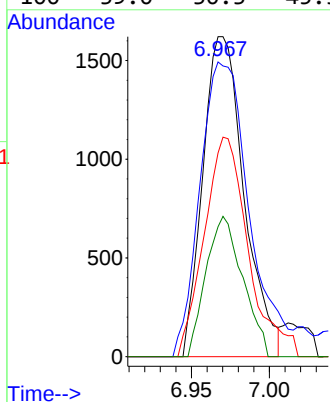
100 39.0 30.3 45.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#48

Ethyl methacrylate

Concen: 0.419 ug/l

RT: 8.337 min Scan# 2176

Delta R.T. 0.000 min

Lab File: VU047618.D

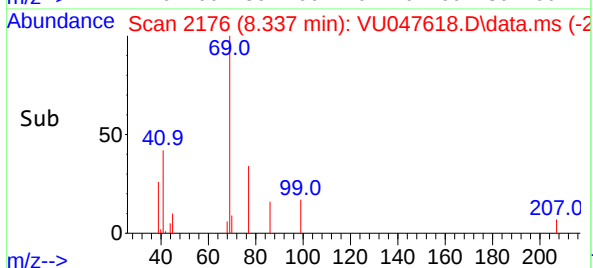
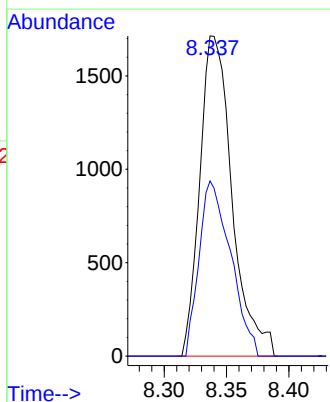
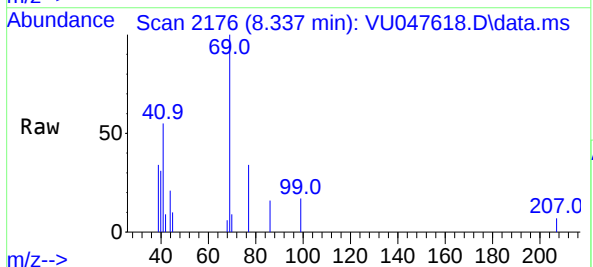
Acq: 18 Mar 2022 16:50

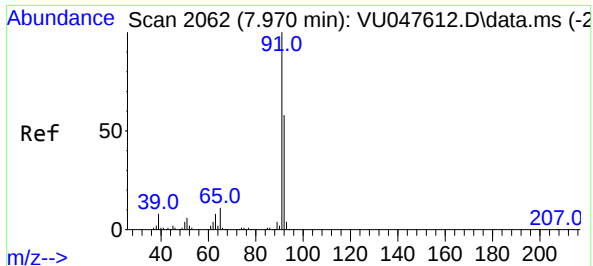
Tgt Ion: 69 Resp: 3089

Ion Ratio Lower Upper

69 100

41 53.4 32.6 98.0





#49

Toluene

Concen: 0.438 ug/l

RT: 7.973 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU047618.D

Acq: 18 Mar 2022 16:50

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2022

Tgt Ion: 92 Resp: 8430

Ion Ratio Lower Upper

92 100

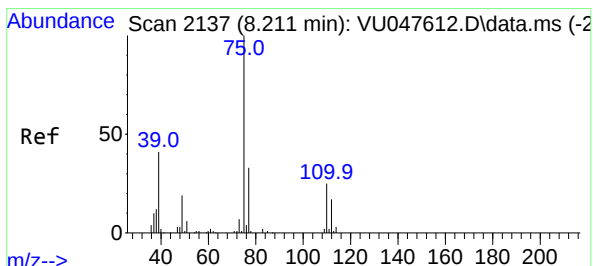
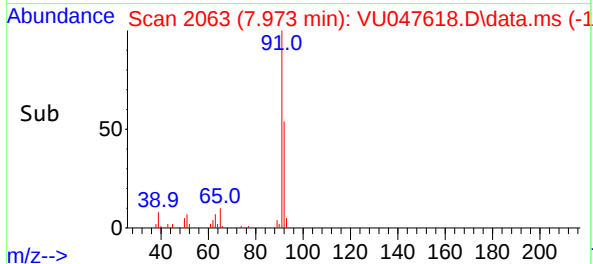
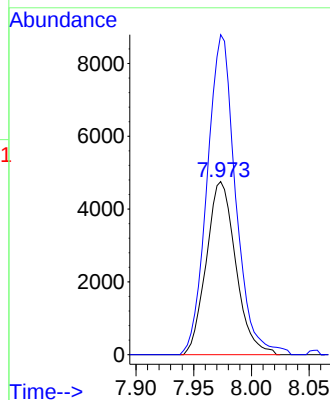
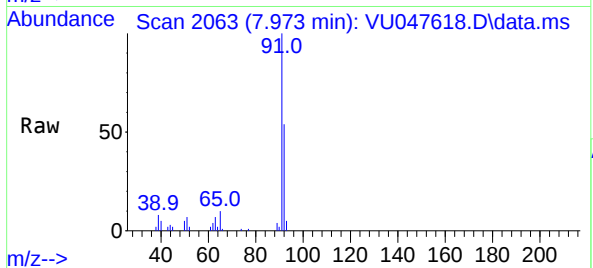
91 178.9 136.8 205.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#50

t-1,3-Dichloropropene

Concen: 0.460 ug/l

RT: 8.215 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VU047618.D

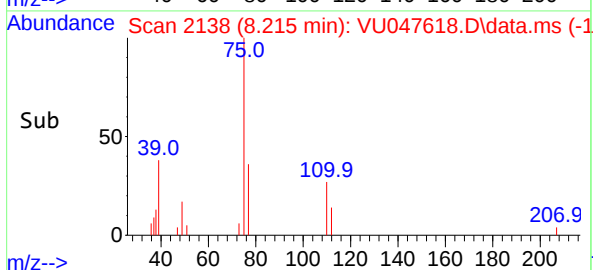
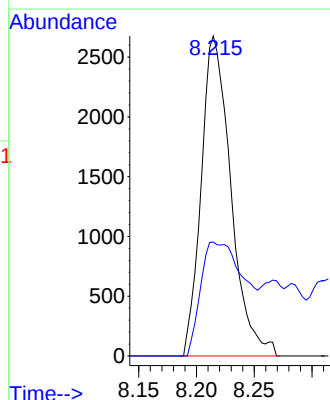
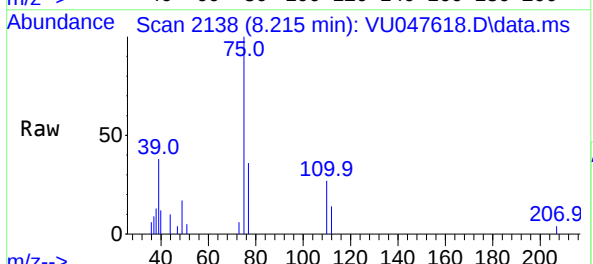
Acq: 18 Mar 2022 16:50

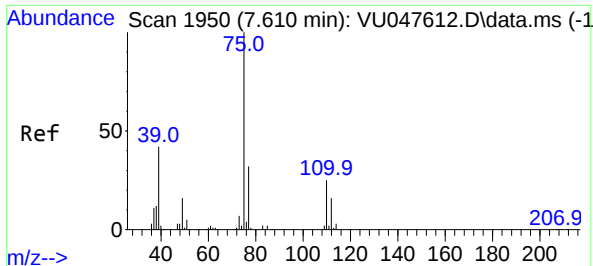
Tgt Ion: 75 Resp: 4781

Ion Ratio Lower Upper

75 100

77 35.6 25.6 38.4





#51
cis-1,3-Dichloropropene
Concen: 0.462 ug/l
RT: 7.613 min Scan# 1951
Delta R.T. 0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

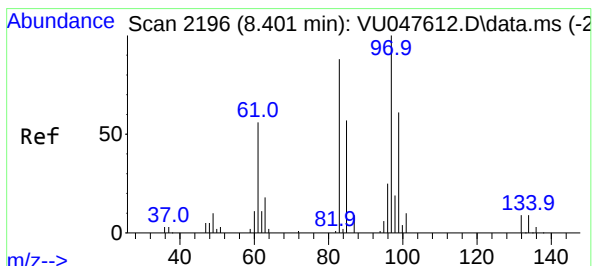
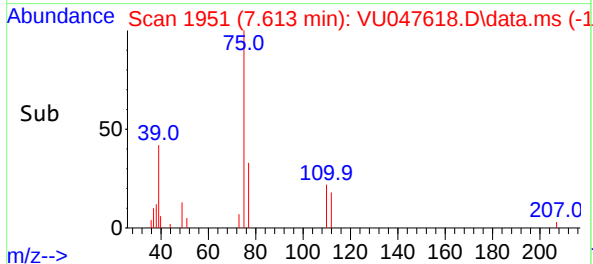
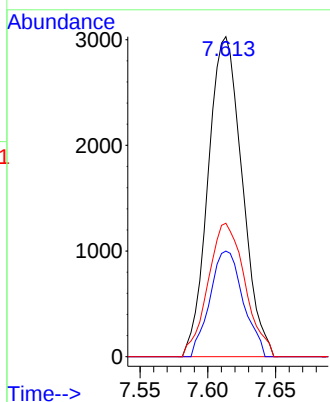
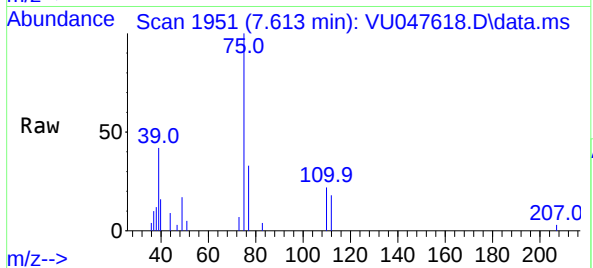
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022

Tgt Ion: 75 Resp: 5289

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.2	37.8
39	41.7	38.6	57.8

Manual Integrations
APPROVED

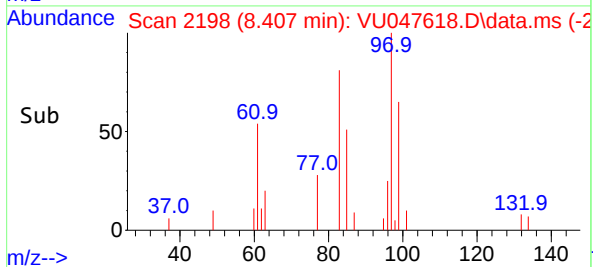
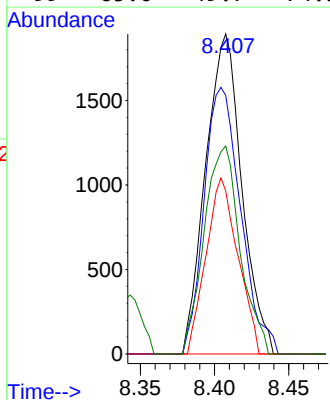
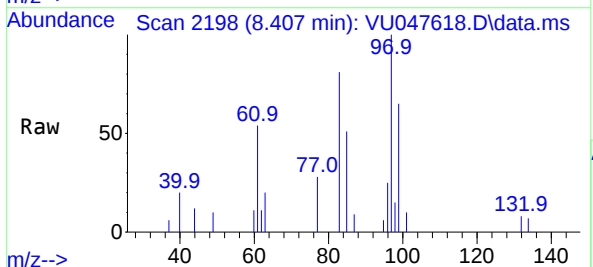
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

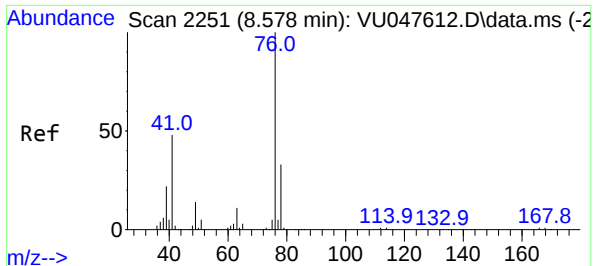


#52
1,1,2-Trichloroethane
Concen: 0.477 ug/l
RT: 8.407 min Scan# 2198
Delta R.T. 0.006 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Tgt Ion: 97 Resp: 3214

Ion	Ratio	Lower	Upper
97	100		
83	80.8	69.8	104.8
85	51.0	44.2	66.4
99	65.0	49.7	74.5





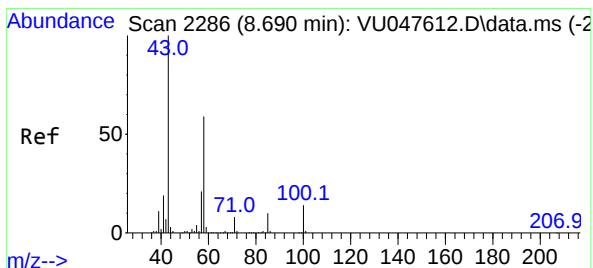
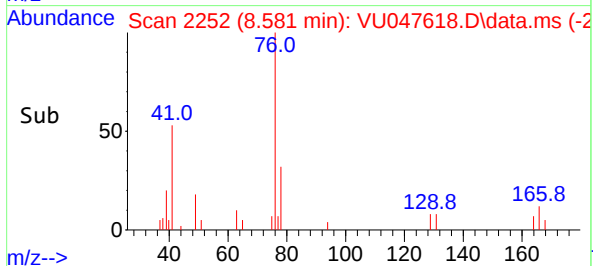
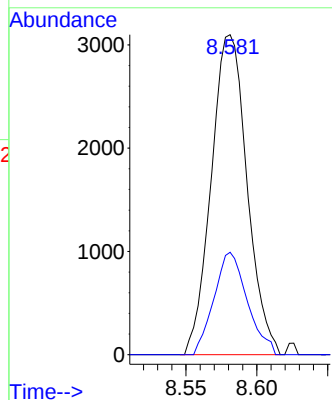
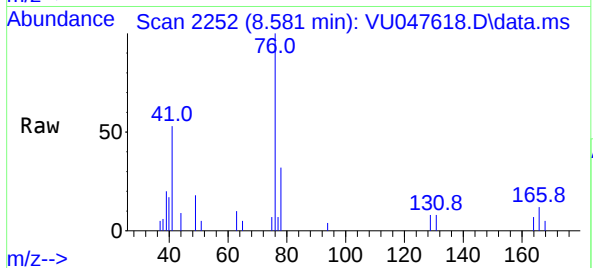
#53
1,3-Dichloropropane
Concen: 0.497 ug/l
RT: 8.581 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022

Tgt Ion: 76 Resp: 545
Ion Ratio Lower Upper
76 100
78 29.8 25.4 38.2

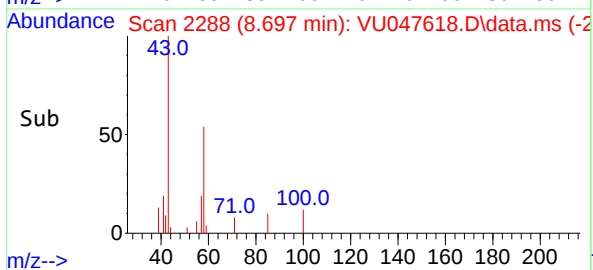
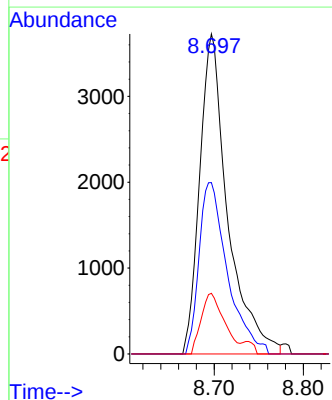
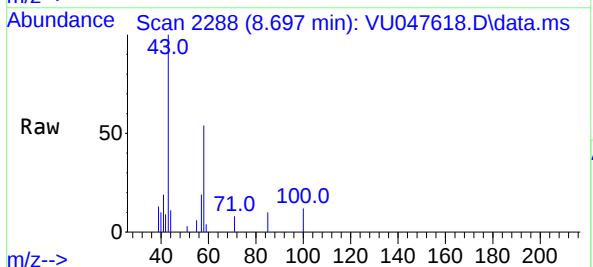
Manual Integrations
APPROVED

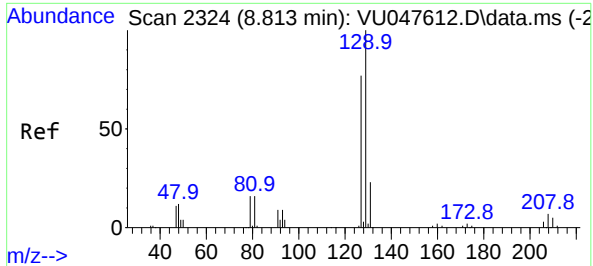
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#54
2-Hexanone
Concen: 2.296 ug/l
RT: 8.697 min Scan# 2288
Delta R.T. 0.006 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Tgt Ion: 43 Resp: 8107
Ion Ratio Lower Upper
43 100
58 54.5 37.7 77.7
57 15.7 0.5 40.5





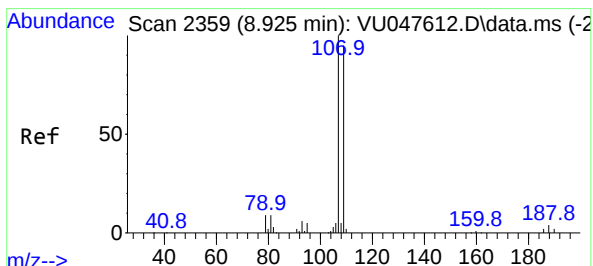
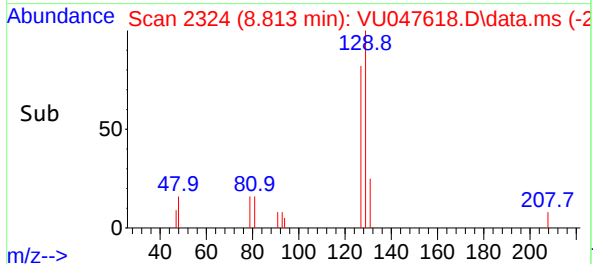
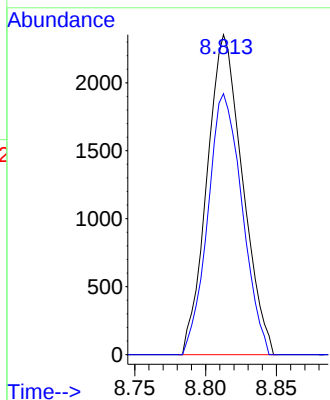
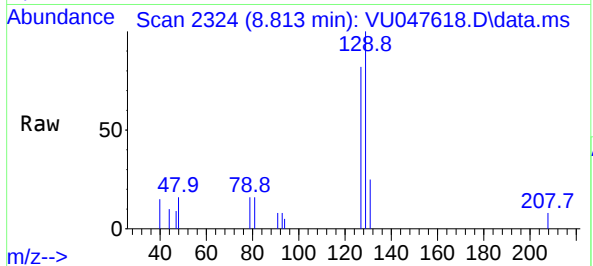
#55
Dibromochloromethane
Concen: 0.483 ug/l
RT: 8.813 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022

Tgt Ion:129 Resp: 4100
Ion Ratio Lower Upper
129 100
127 78.6 62.2 93.4

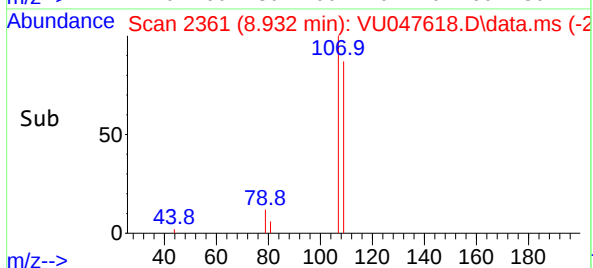
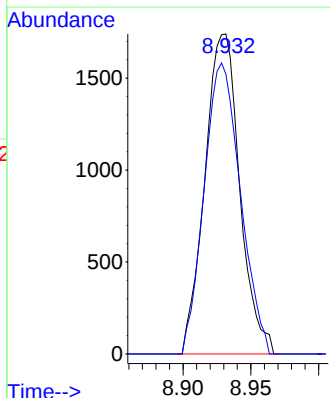
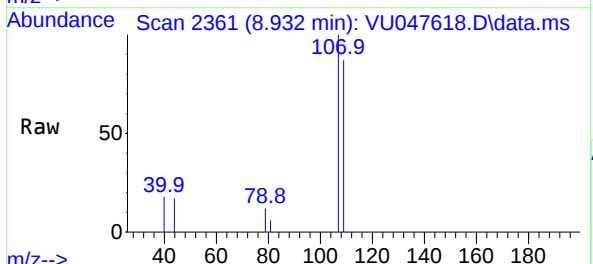
Manual Integrations
APPROVED

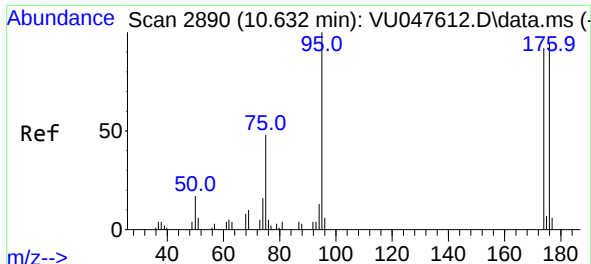
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#56
1,2-Dibromoethane
Concen: 0.464 ug/l
RT: 8.932 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

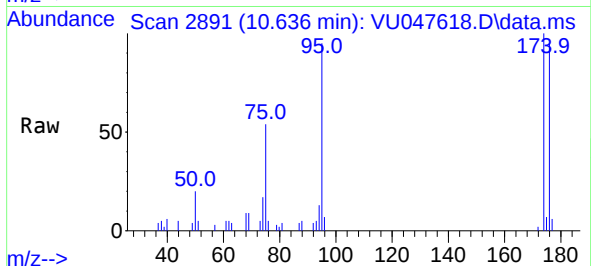
Tgt Ion:107 Resp: 3111
Ion Ratio Lower Upper
107 100
109 94.7 0.0 185.0





#57
4-Bromofluorobenzene
Concen: 0.886 ug/l
RT: 10.636 min Scan# 2890
Delta R.T. 0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

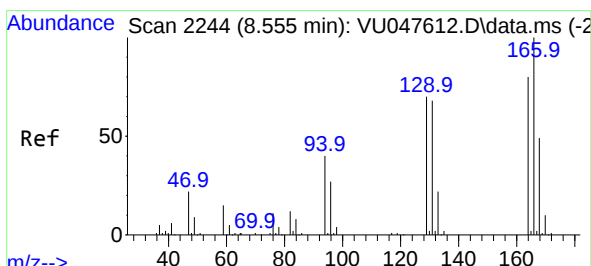
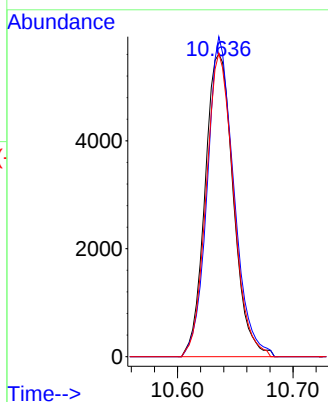
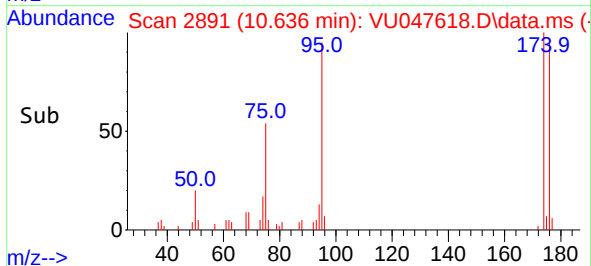
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022



Tgt Ion: 95 Resp: 953
Ion Ratio Lower Upper
95 100
174 99.4 56.6 84.8
176 96.5 54.3 81.5

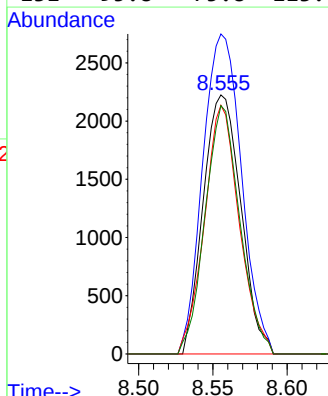
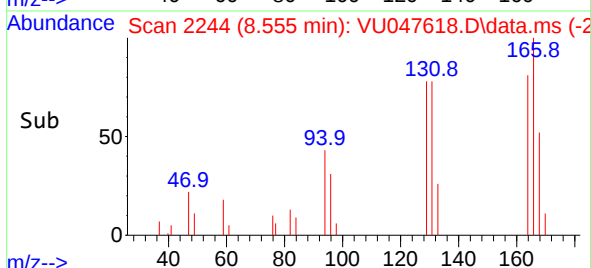
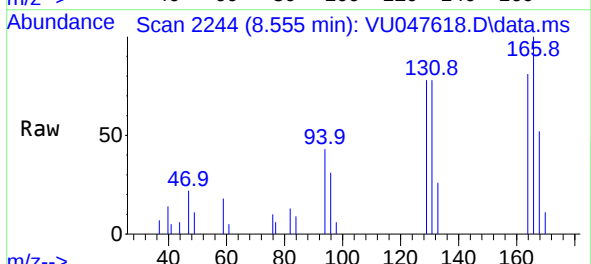
Manual Integrations
APPROVED

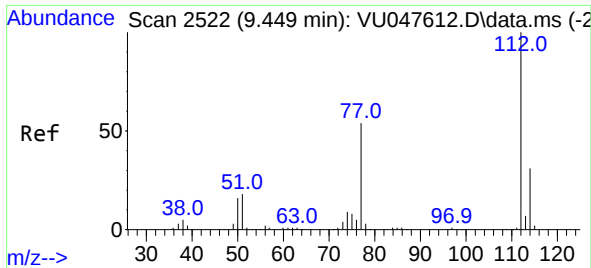
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#58
Tetrachloroethene
Concen: 0.469 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Tgt Ion:164 Resp: 3915
Ion Ratio Lower Upper
164 100
166 123.5 102.0 153.0
129 96.0 77.1 115.7
131 95.8 75.8 113.6





#59

Chlorobenzene

Concen: 0.460 ug/l

RT: 9.452 min Scan# 2523

Delta R.T. 0.003 min

Lab File: VU047618.D

Acq: 18 Mar 2022 16:50

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2022

Tgt Ion:112 Resp: 10339

Ion Ratio Lower Upper

112 100

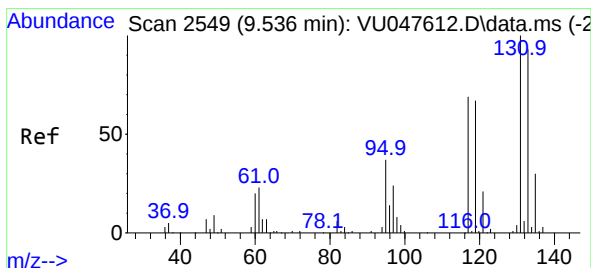
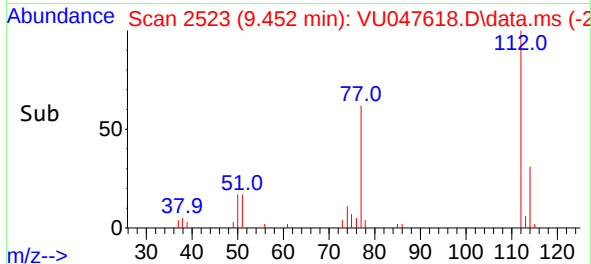
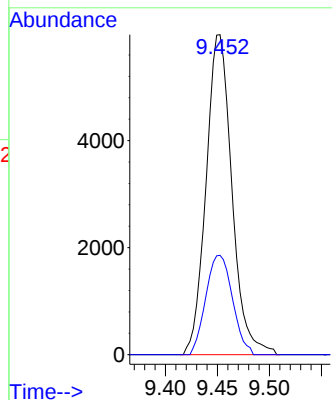
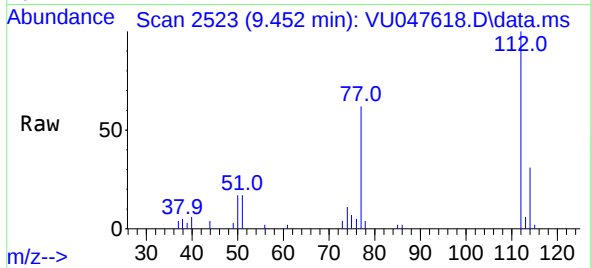
114 31.1 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#60

1,1,1,2-Tetrachloroethane

Concen: 0.489 ug/l

RT: 9.536 min Scan# 2549

Delta R.T. 0.000 min

Lab File: VU047618.D

Acq: 18 Mar 2022 16:50

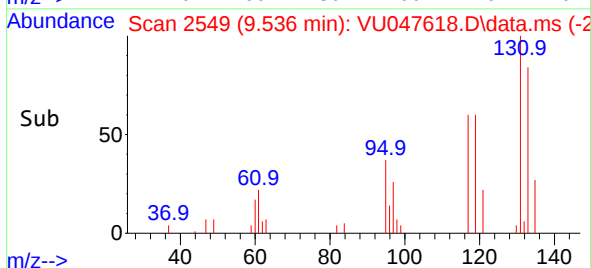
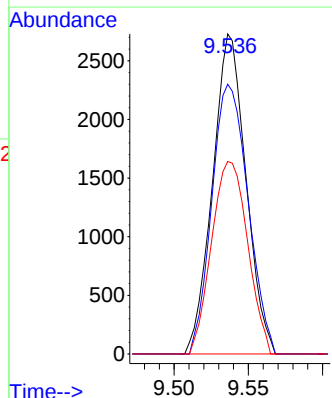
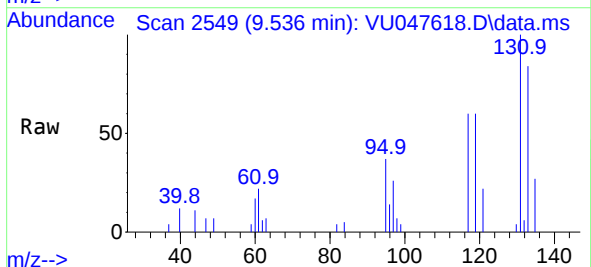
Tgt Ion:131 Resp: 4263

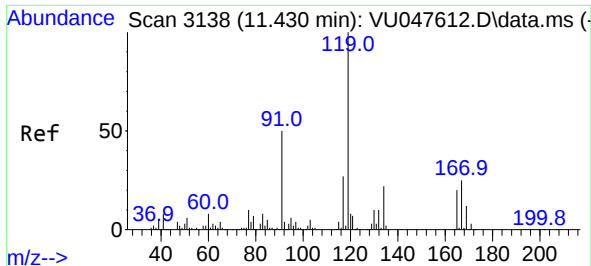
Ion Ratio Lower Upper

131 100

133 91.4 76.0 114.0

119 65.0 54.9 82.3





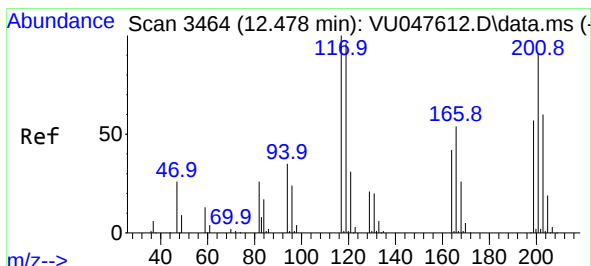
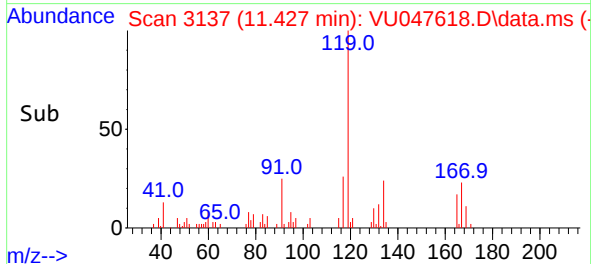
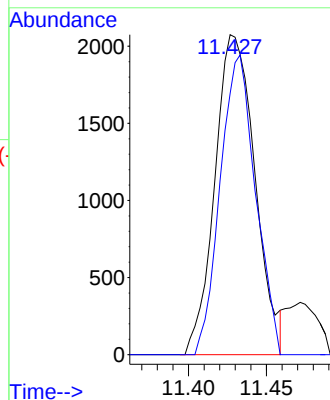
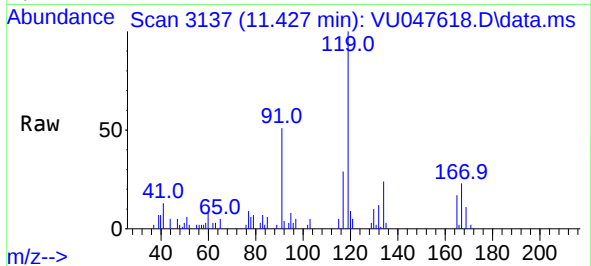
#61
Pentachloroethane
Concen: 0.504 ug/l
RT: 11.427 min Scan# 3138
Delta R.T. -0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022

Tgt Ion:117 Resp: 3719
Ion Ratio Lower Upper
117 100
167 82.2 59.7 89.5

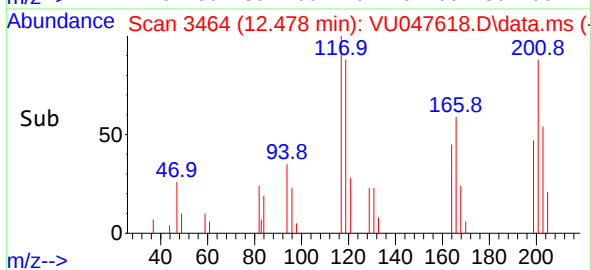
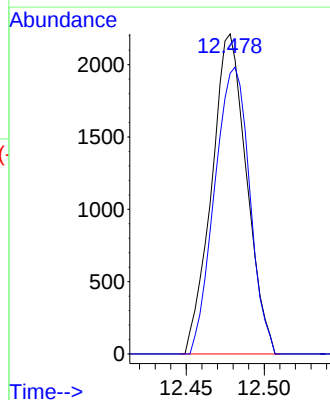
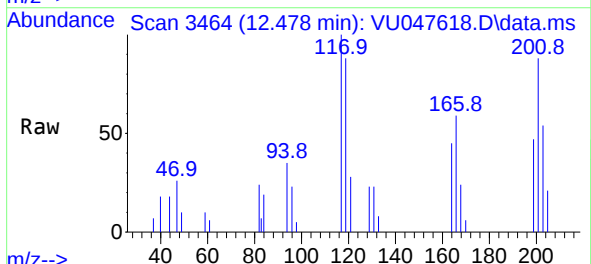
Manual Integrations
APPROVED

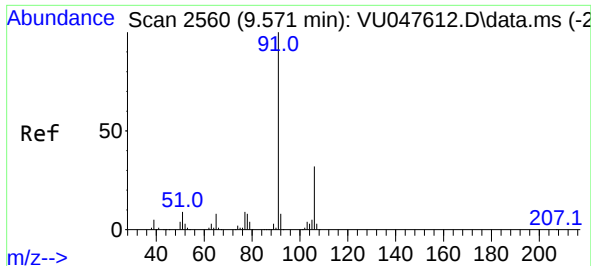
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#62
Hexachloroethane
Concen: 0.472 ug/l
RT: 12.478 min Scan# 3464
Delta R.T. 0.000 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Tgt Ion:117 Resp: 3455
Ion Ratio Lower Upper
117 100
201 89.7 53.6 80.4#





#63

Ethyl Benzene

Concen: 0.437 ug/l

RT: 9.571 min Scan# 2560

Delta R.T. 0.000 min

Lab File: VU047618.D

Acq: 18 Mar 2022 16:50

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2022

Tgt Ion: 91 Resp: 1538

Ion Ratio Lower Upper

91 100

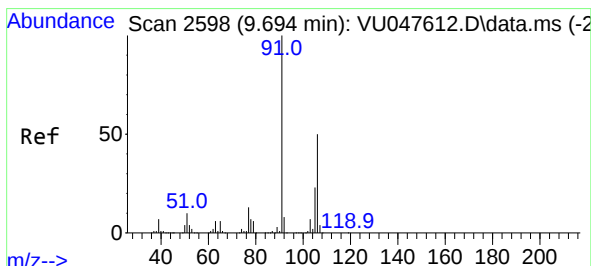
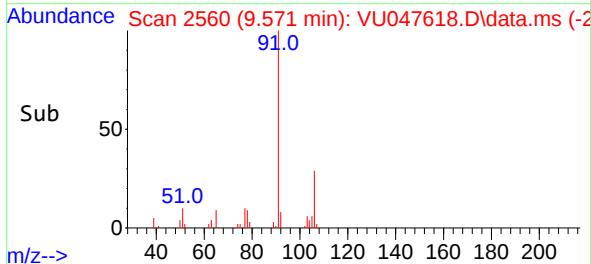
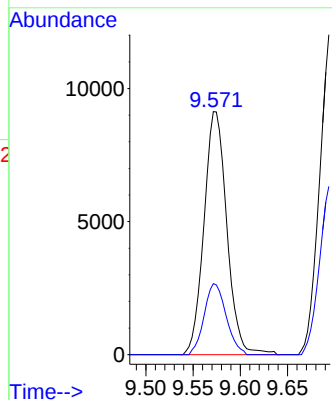
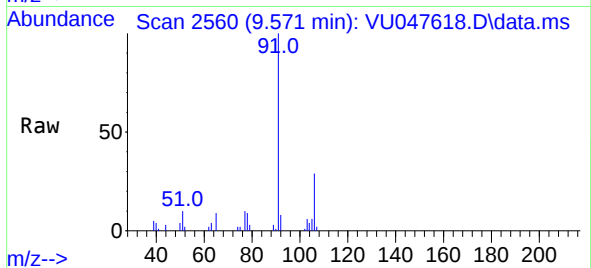
106 29.2 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#64

m/p-Xylenes

Concen: 0.805 ug/l

RT: 9.697 min Scan# 2599

Delta R.T. 0.003 min

Lab File: VU047618.D

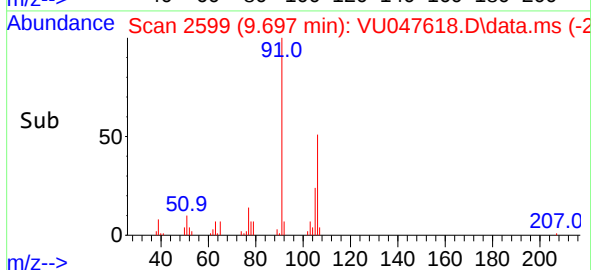
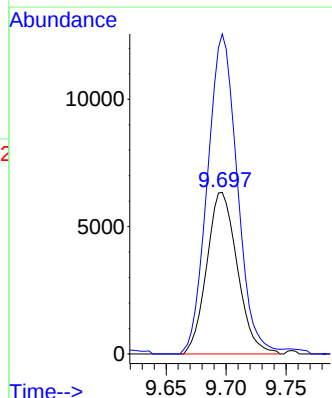
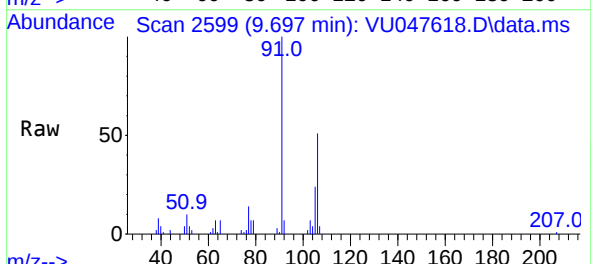
Acq: 18 Mar 2022 16:50

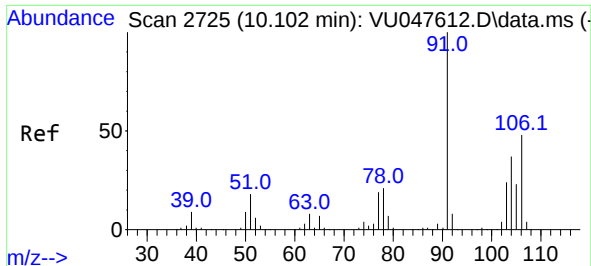
Tgt Ion:106 Resp: 11235

Ion Ratio Lower Upper

106 100

91 193.4 165.5 248.3





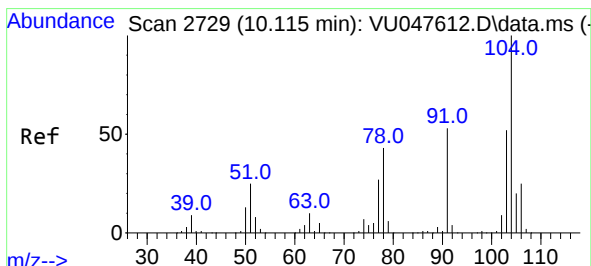
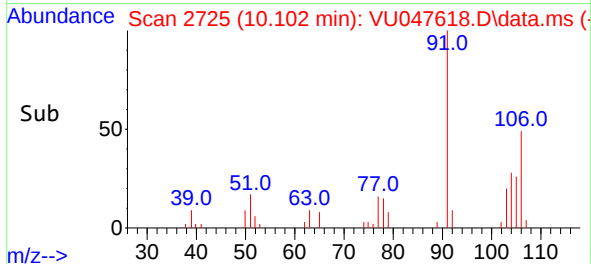
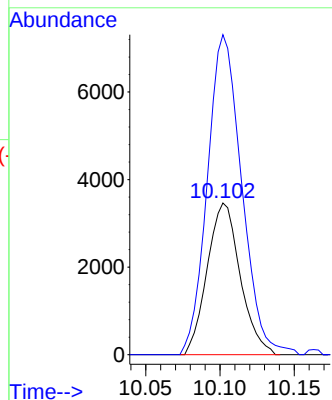
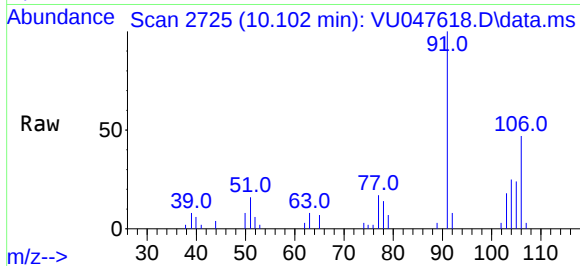
#65
o-Xylene
Concen: 0.406 ug/l
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022

Tgt Ion:106 Resp: 535
Ion Ratio Lower Upper
106 100
91 219.6 109.4 328.2

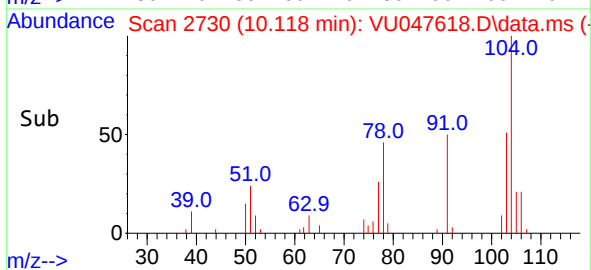
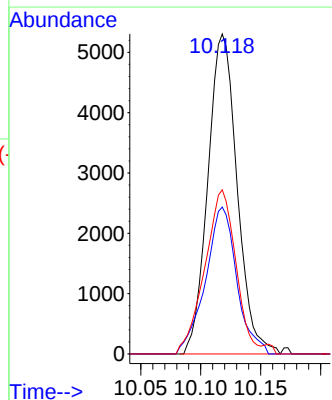
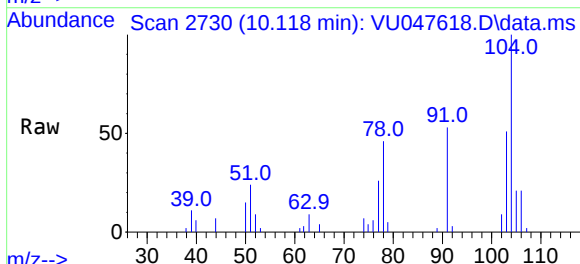
Manual Integrations
APPROVED

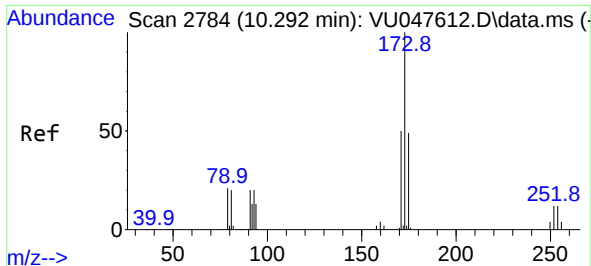
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#66
Styrene
Concen: 0.395 ug/l
RT: 10.118 min Scan# 2730
Delta R.T. 0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

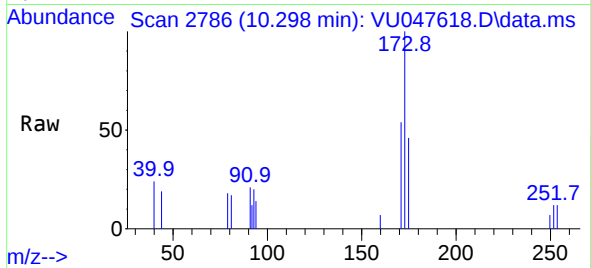
Tgt Ion:104 Resp: 9003
Ion Ratio Lower Upper
104 100
78 49.1 42.4 63.6
103 54.3 44.2 66.4





#67
Bromoform
Concen: 0.484 ug/l
RT: 10.298 min Scan# 2738
Delta R.T. 0.006 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

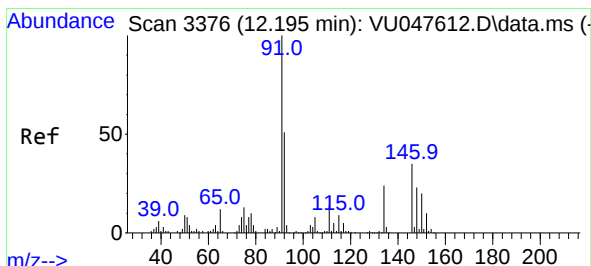
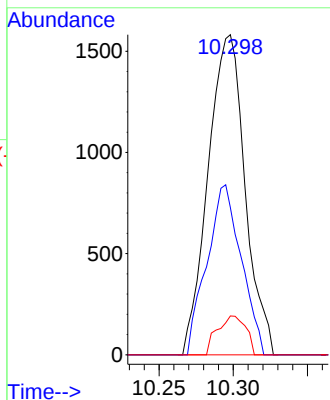
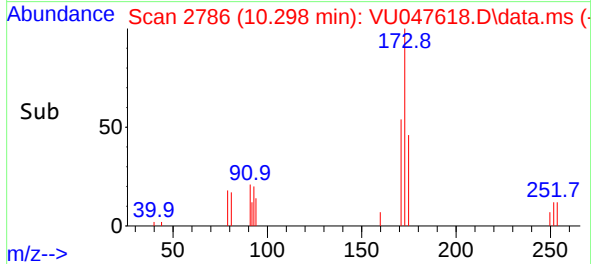
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022



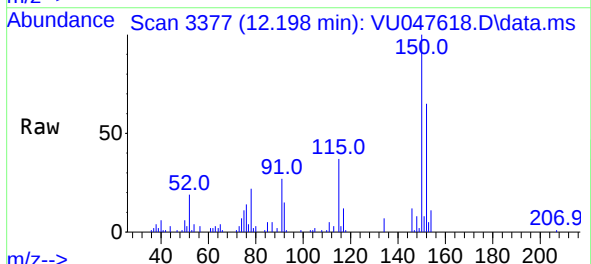
Tgt Ion:173 Resp: 2738
Ion Ratio Lower Upper
173 100
175 49.3 39.0 58.4
254 9.3 5.5 8.3

Manual Integrations
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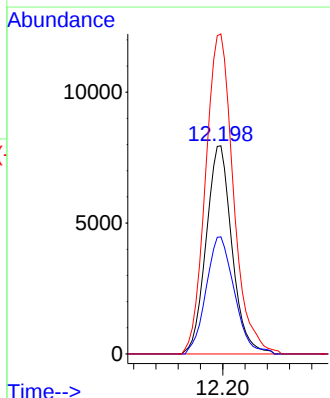
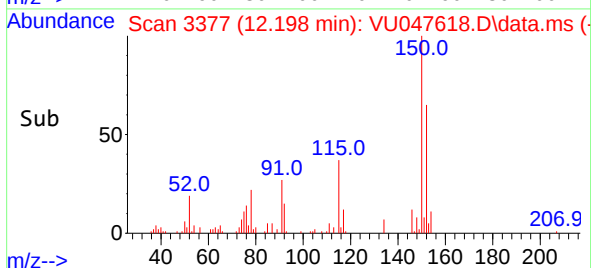
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

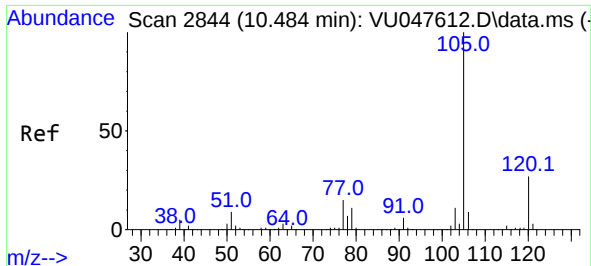


#68
1,2-Dichlorobenzene-d4
Concen: 0.983 ug/l
RT: 12.198 min Scan# 3377
Delta R.T. 0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50



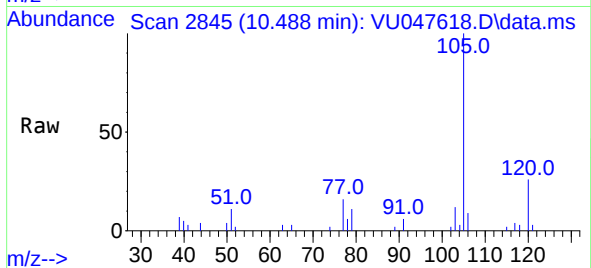
Tgt Ion:152 Resp: 12814
Ion Ratio Lower Upper
152 100
115 61.5 0.0 251.0
150 165.5 0.0 613.8





#69
Isopropylbenzene
Concen: 0.403 ug/l
RT: 10.488 min Scan# 2845
Delta R.T. 0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

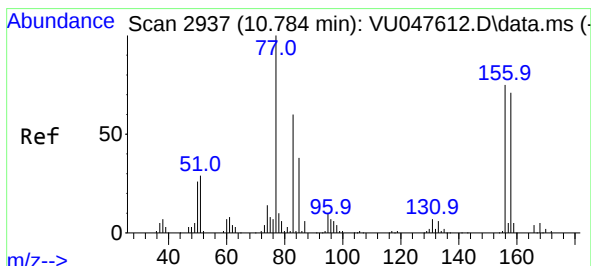
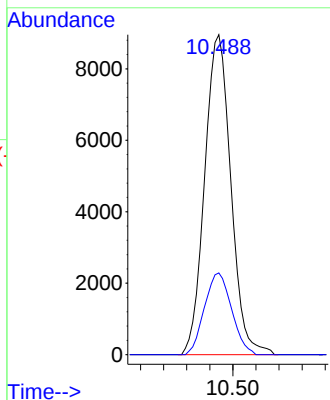
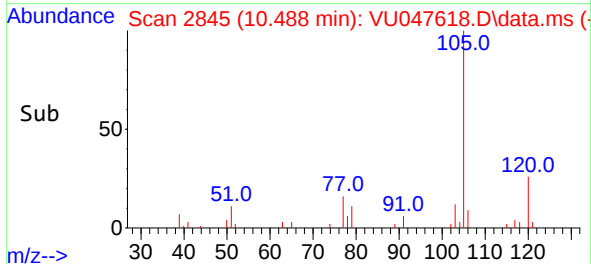
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022



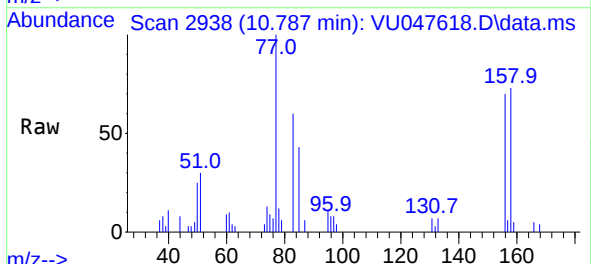
Tgt Ion:105 Resp: 14100
Ion Ratio Lower Upper
105 100
120 26.4 12.8 38.4

Manual Integrations
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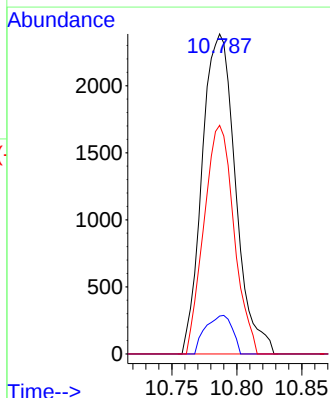
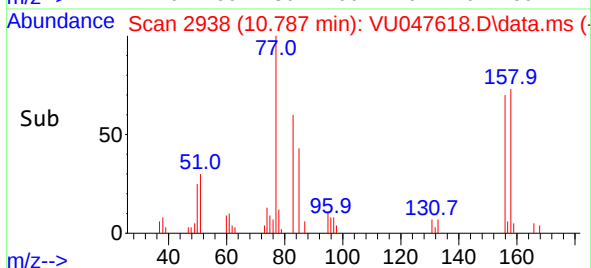
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

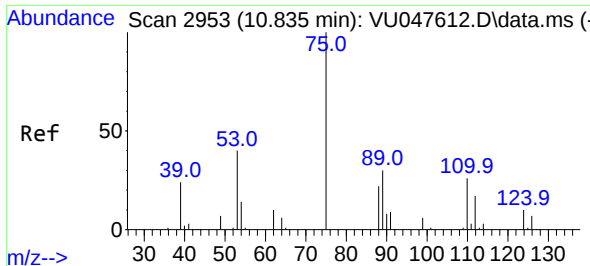


#70
1,1,2,2-Tetrachloroethane
Concen: 0.475 ug/l
RT: 10.787 min Scan# 2938
Delta R.T. 0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50



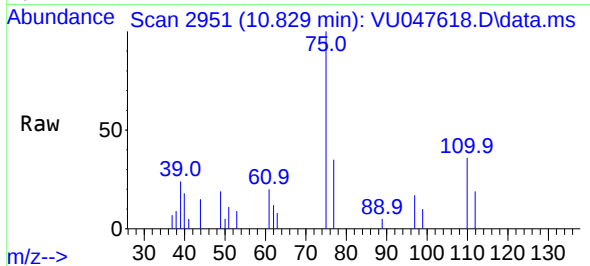
Tgt Ion: 83 Resp: 4258
Ion Ratio Lower Upper
83 100
131 9.7 7.6 11.4
85 64.3 50.9 76.3





#71
1,2,3-Trichloropropane
Concen: 0.432 ug/l m
RT: 10.829 min Scan# 2951
Delta R.T. -0.006 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

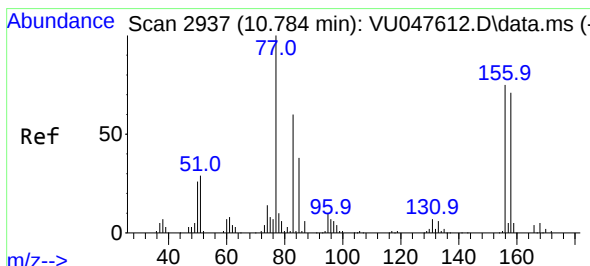
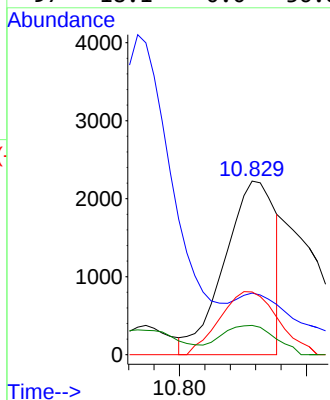
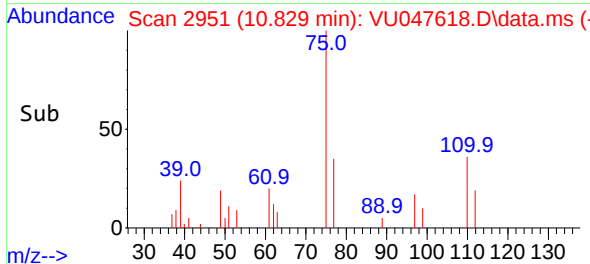
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022



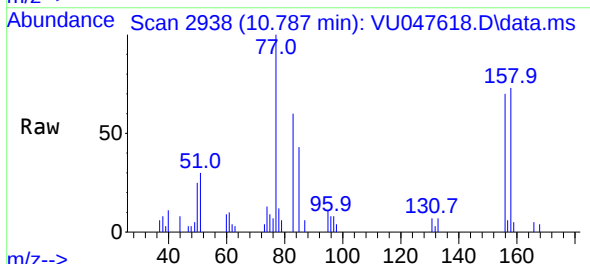
Tgt Ion: 75	Resp: 306
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 105.6
110 42.1	0.0 71.2
97 18.1	0.0 36.8

Manual Integrations
APPROVED

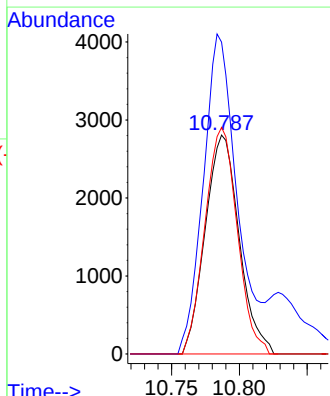
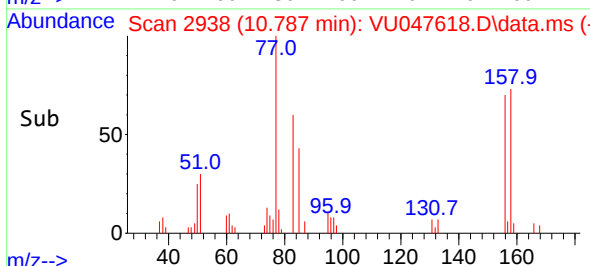
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

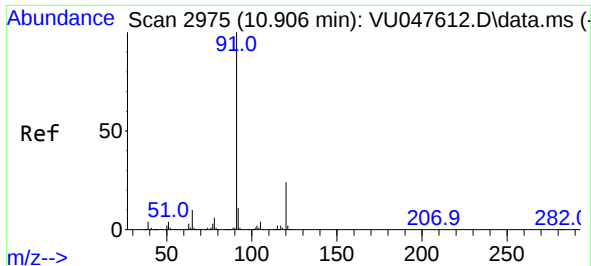


#72
Bromobenzene
Concen: 0.466 ug/l
RT: 10.787 min Scan# 2938
Delta R.T. 0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50



Tgt Ion: 156	Resp: 4880
Ion Ratio	Lower Upper
156 100	
77 146.0	0.0 370.6
158 98.8	0.0 193.4





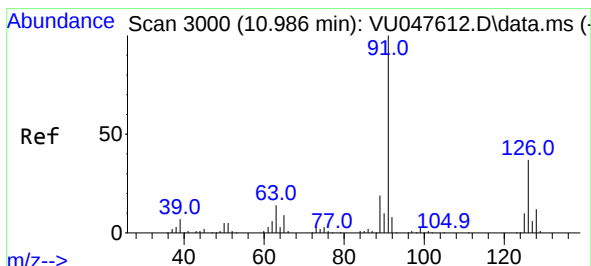
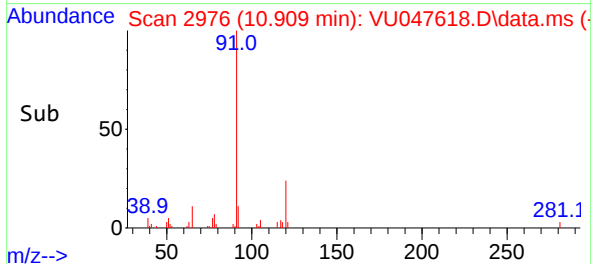
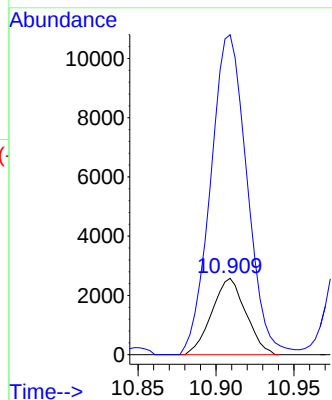
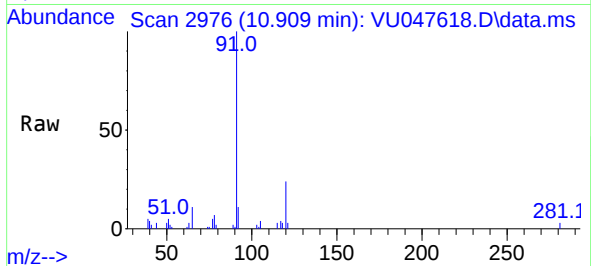
#73
n-propylbenzene
Concen: 0.385 ug/l
RT: 10.909 min Scan# 2975
Delta R.T. 0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022

Tgt Ion:120 Resp: 3902
Ion Ratio Lower Upper
120 100
91 450.0 370.7 556.1

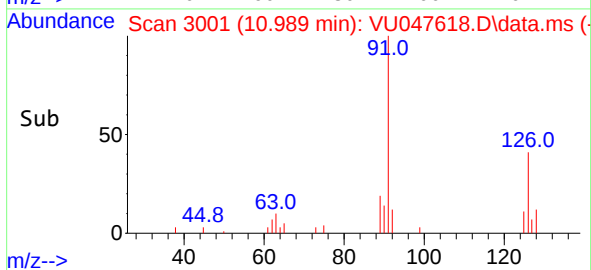
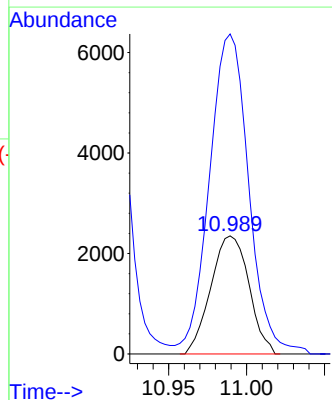
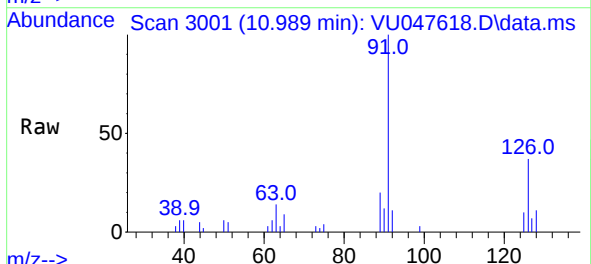
Manual Integrations
APPROVED

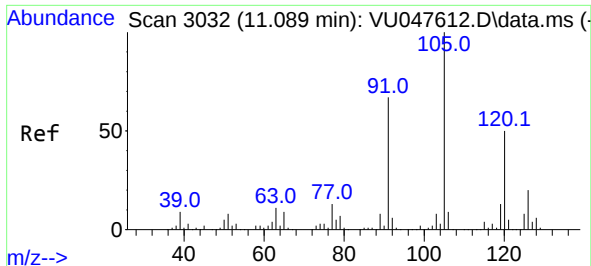
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#74
2-Chlorotoluene
Concen: 0.429 ug/l
RT: 10.989 min Scan# 3001
Delta R.T. 0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

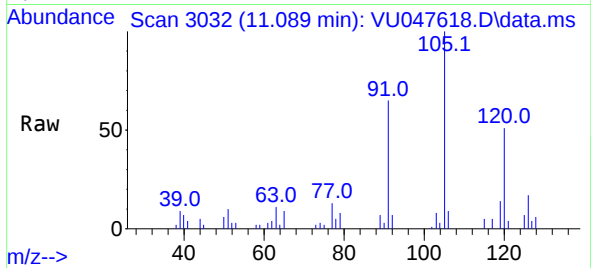
Tgt Ion:126 Resp: 3996
Ion Ratio Lower Upper
126 100
91 279.0 0.0 639.6





#75
1,3,5-Trimethylbenzene
Concen: 0.385 ug/l
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

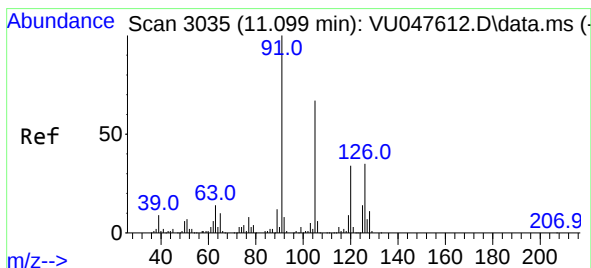
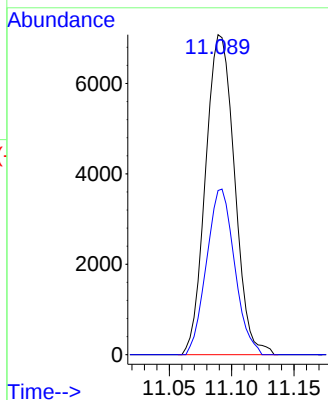
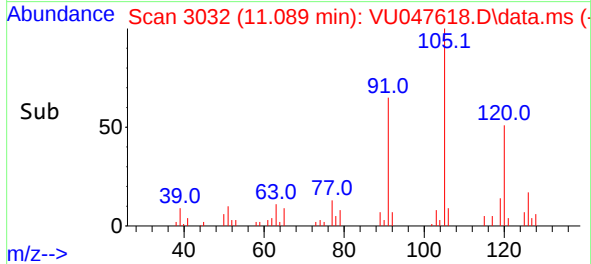
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022



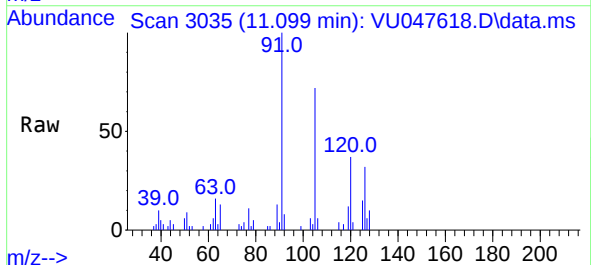
Tgt Ion:105 Resp: 11480
Ion Ratio Lower Upper
105 100
120 50.1 38.6 58.0

Manual Integrations
APPROVED

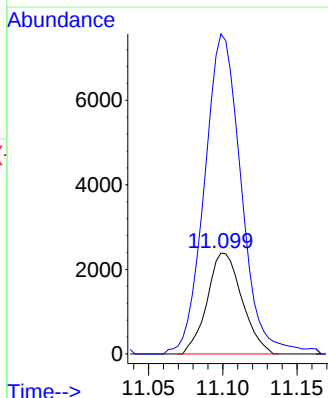
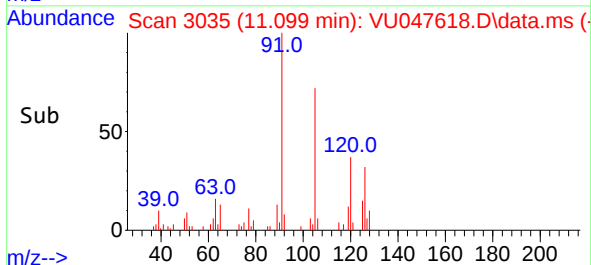
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

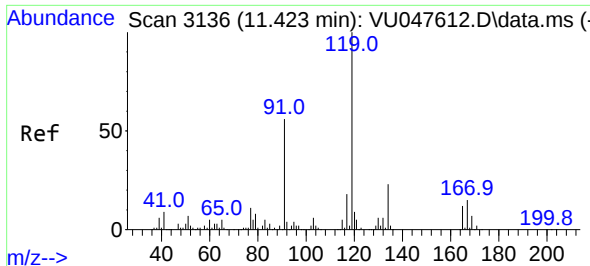


#76
4-Chlorotoluene
Concen: 0.392 ug/l
RT: 11.099 min Scan# 3035
Delta R.T. 0.000 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50



Tgt Ion:126 Resp: 3889
Ion Ratio Lower Upper
126 100
91 335.8 0.0 728.0





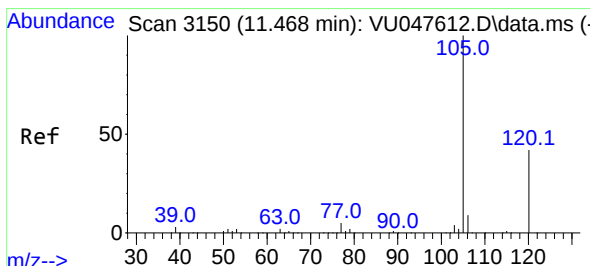
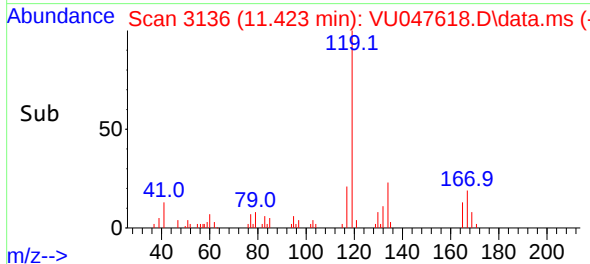
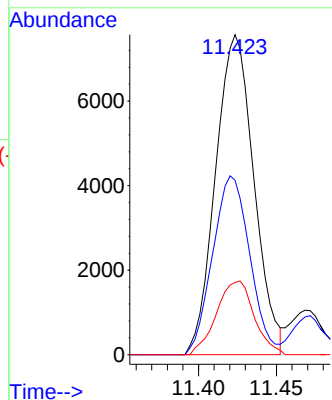
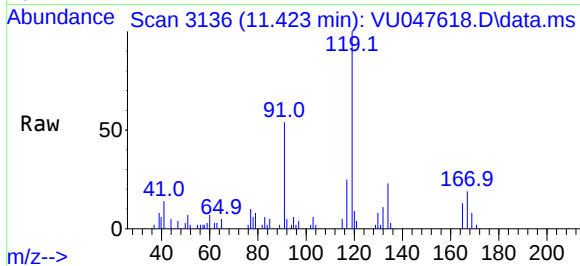
#77
tert-Butylbenzene
Concen: 0.425 ug/l
RT: 11.423 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022

Tgt Ion:119 Resp: 12949
Ion Ratio Lower Upper
119 100
91 54.2 31.4 94.3
134 22.6 18.5 27.7

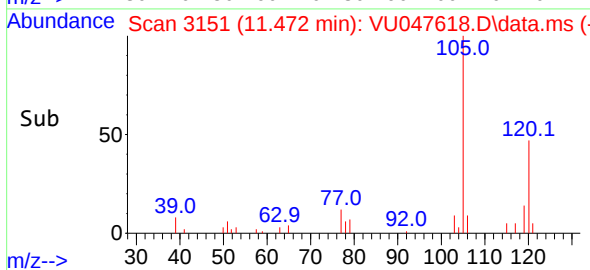
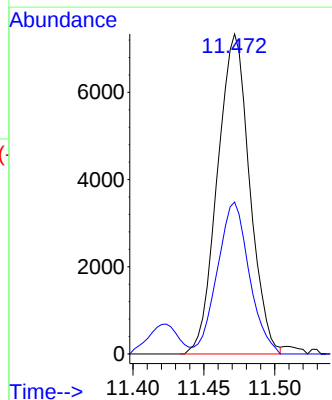
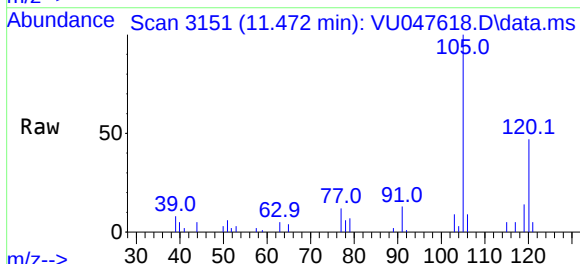
Manual Integrations
APPROVED

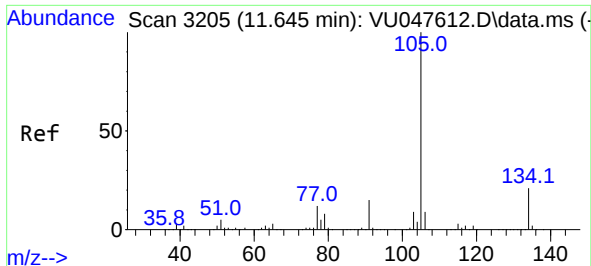
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#78
1,2,4-Trimethylbenzene
Concen: 0.381 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. 0.004 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

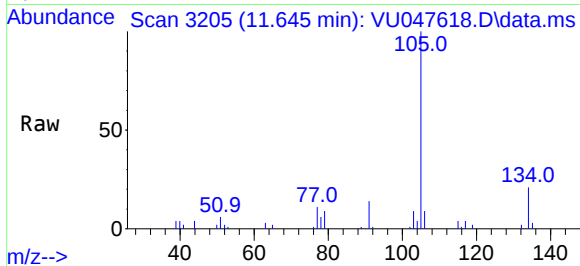
Tgt Ion:105 Resp: 11601
Ion Ratio Lower Upper
105 100
120 47.2 22.3 66.8





#79
 sec-Butylbenzene
 Concen: 0.395 ug/l
 RT: 11.645 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU047618.D
 Acq: 18 Mar 2022 16:50

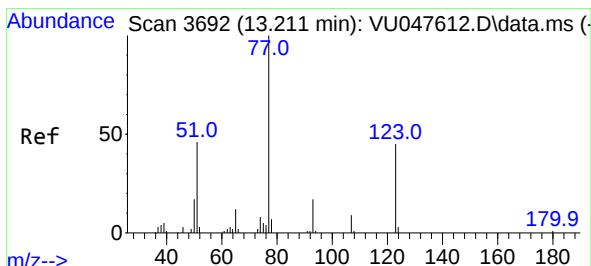
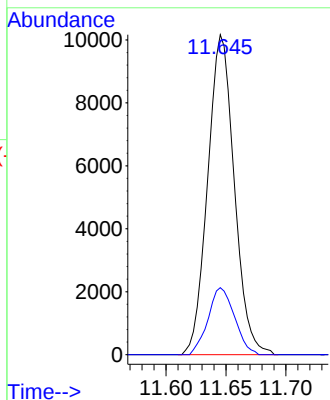
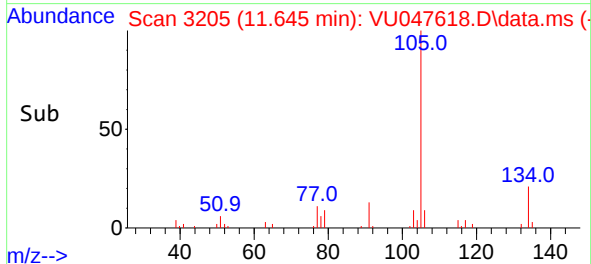
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2022



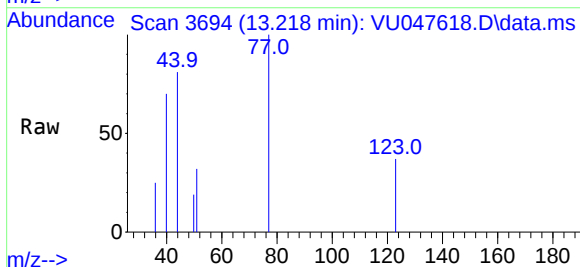
Tgt Ion:105 Resp: 15678
 Ion Ratio Lower Upper
 105 100
 134 20.8 15.4 23.0

Manual Integrations
 APPROVED

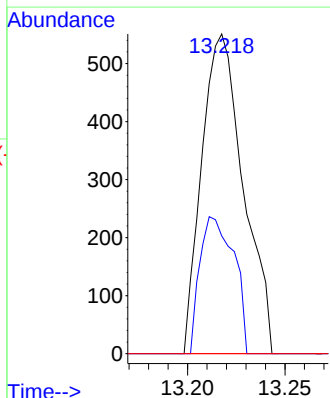
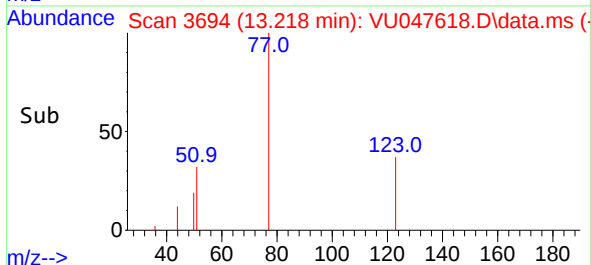
Reviewed By :John Carlone 03/31/2022
 Supervised By :Mahesh Dadoda 03/31/2022

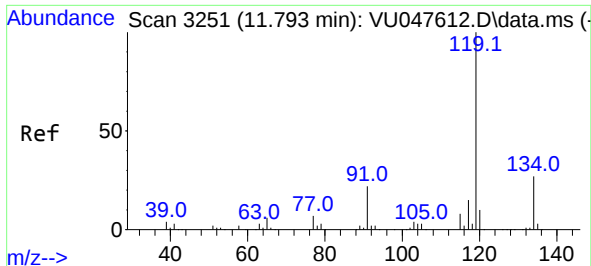


#80
 Nitrobenzene
 Concen: 2.234 ug/l
 RT: 13.218 min Scan# 3694
 Delta R.T. 0.006 min
 Lab File: VU047618.D
 Acq: 18 Mar 2022 16:50



Tgt Ion: 77 Resp: 818
 Ion Ratio Lower Upper
 77 100
 123 35.0 18.2 64.4
 65 0.0 12.0 15.2#





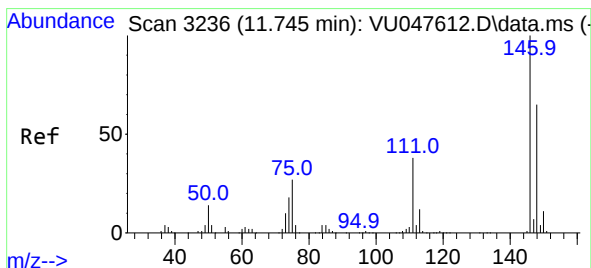
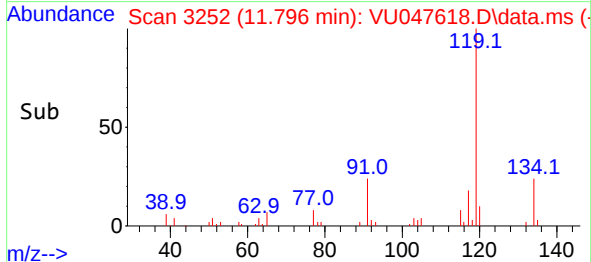
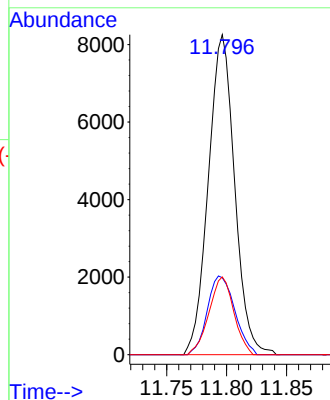
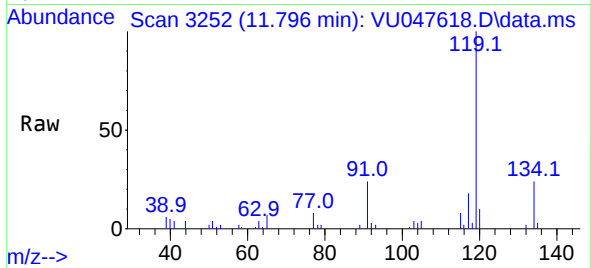
#81
p-Isopropyltoluene
Concen: 0.376 ug/l
RT: 11.796 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022

Tgt Ion:119 Resp: 1257
Ion Ratio Lower Upper
119 100
134 25.7 20.2 30.4
91 22.9 19.9 29.9

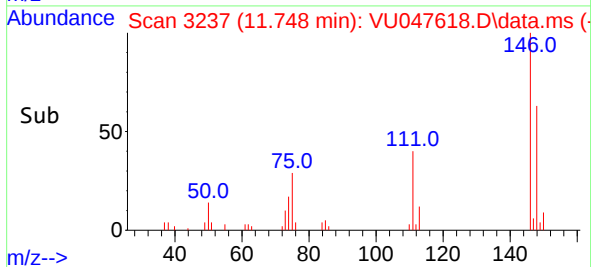
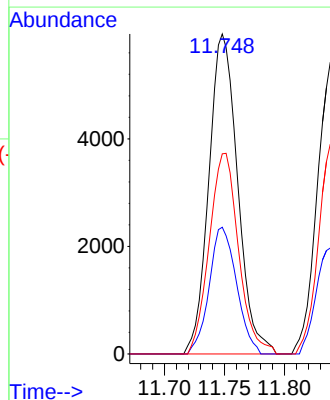
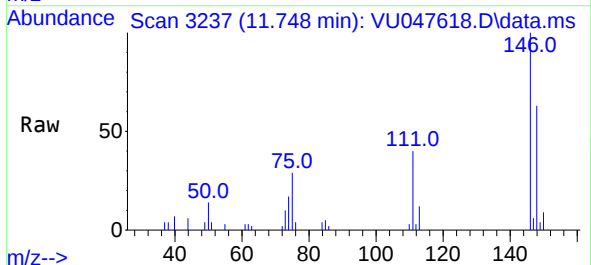
Manual Integrations
APPROVED

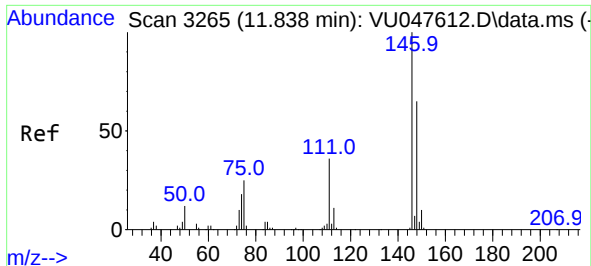
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#82
1,3-Dichlorobenzene
Concen: 0.480 ug/l
RT: 11.748 min Scan# 3237
Delta R.T. 0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

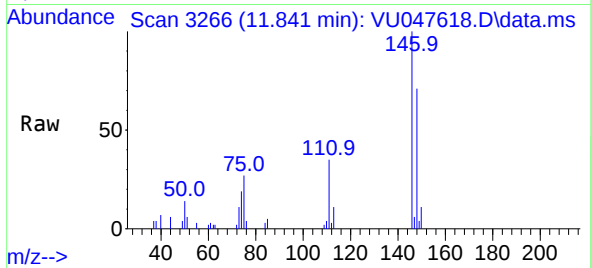
Tgt Ion:146 Resp: 9933
Ion Ratio Lower Upper
146 100
111 37.6 33.9 50.9
148 63.8 50.9 76.3





#83
1,4-Dichlorobenzene
Concen: 0.465 ug/l
RT: 11.841 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

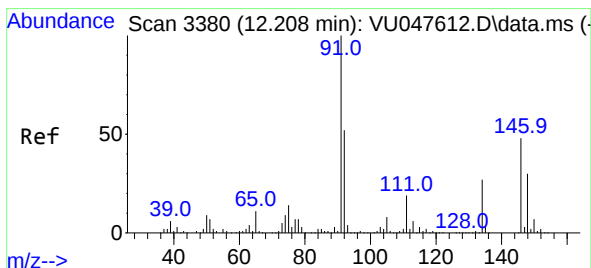
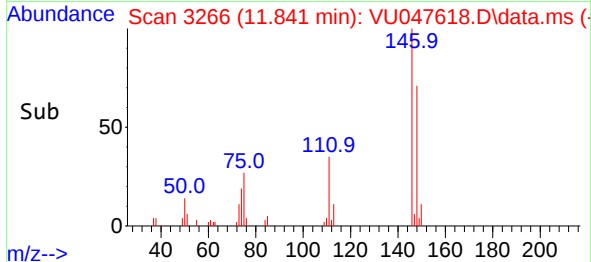
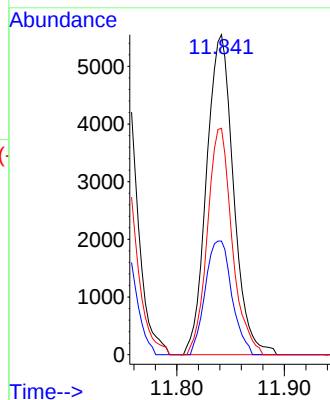
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022



Tgt Ion:146 Resp: 967
Ion Ratio Lower Upper
146 100
111 34.8 32.7 49.1
148 64.9 51.4 77.0

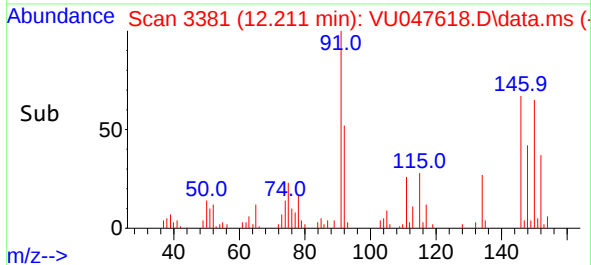
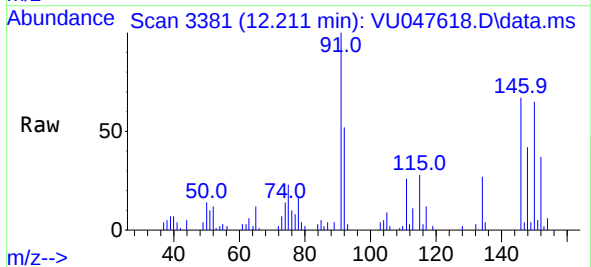
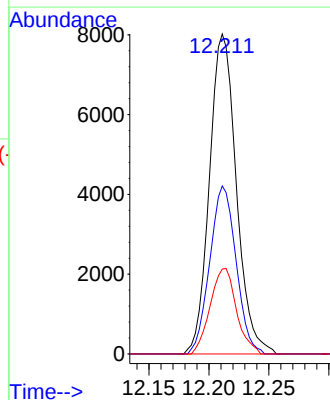
Manual Integrations
APPROVED

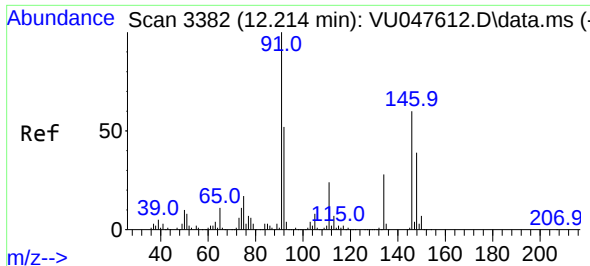
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#84
n-Butylbenzene
Concen: 0.398 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

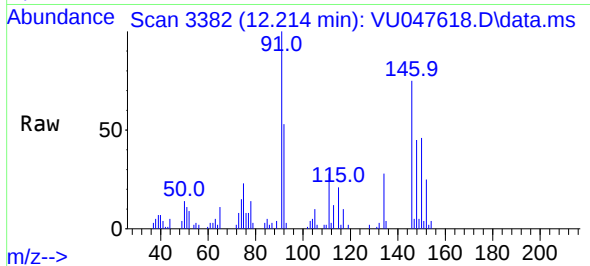
Tgt Ion: 91 Resp: 12510
Ion Ratio Lower Upper
91 100
92 51.2 43.5 65.3
134 26.1 19.0 28.4





#85
1,2-Dichlorobenzene
Concen: 0.472 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.000 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

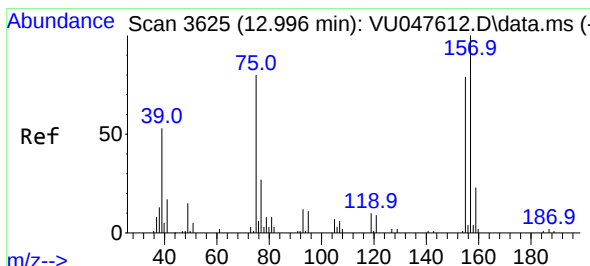
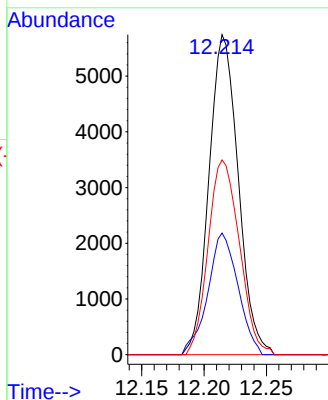
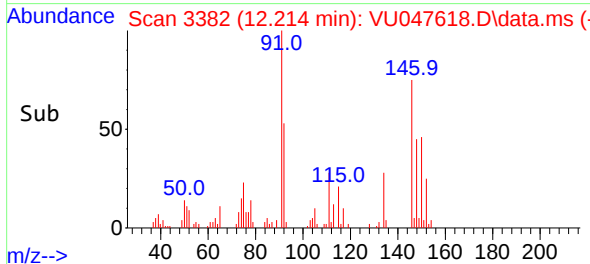
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022



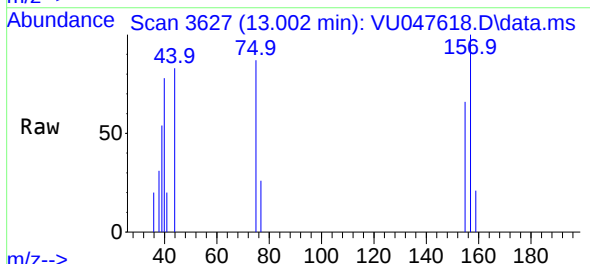
Tgt Ion:146 Resp: 938
Ion Ratio Lower Upper
146 100
111 39.2 22.1 66.1
148 65.0 31.6 94.7

Manual Integrations
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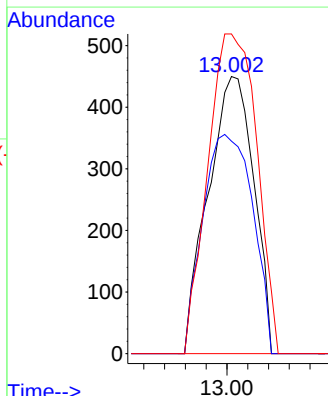
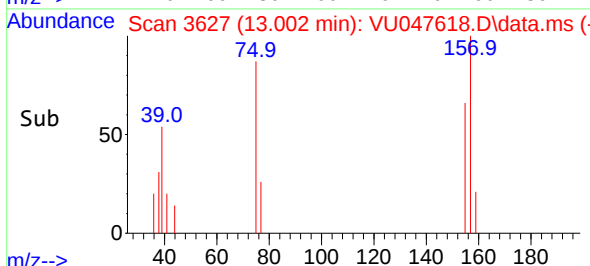
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

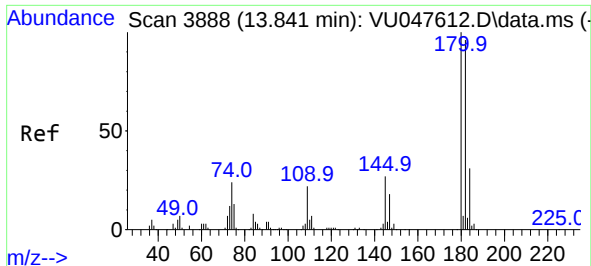


#86
1,2-Dibromo-3-Chloropropane
Concen: 0.455 ug/l
RT: 13.002 min Scan# 3627
Delta R.T. 0.006 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50



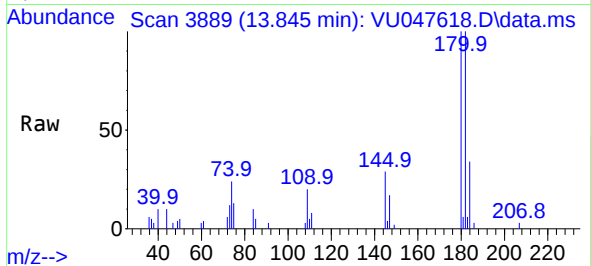
Tgt Ion: 75 Resp: 688
Ion Ratio Lower Upper
75 100
155 86.2 57.8 86.8
157 123.5 75.1 112.7#





#87
1,2,4-Trichlorobenzene
Concen: 0.479 ug/l
RT: 13.845 min Scan# 3889
Delta R.T. 0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

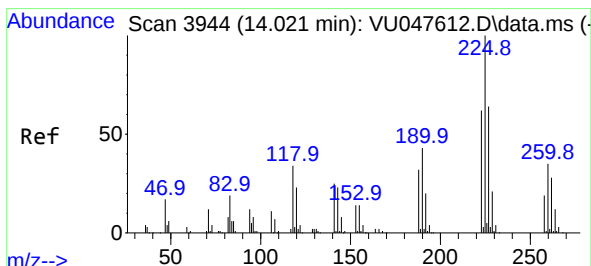
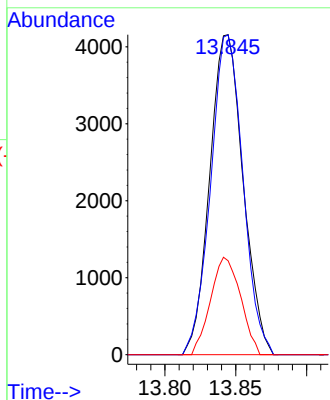
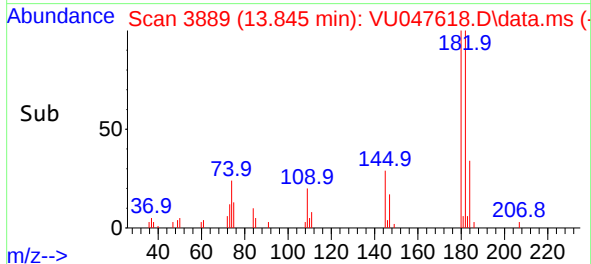
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022



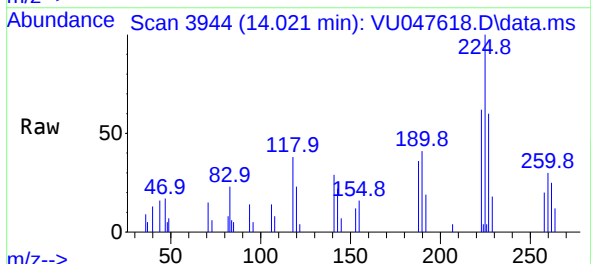
Tgt Ion:180 Resp: 680
Ion Ratio Lower Upper
180 100
182 96.7 75.8 113.8
145 27.4 25.3 37.9

Manual Integrations
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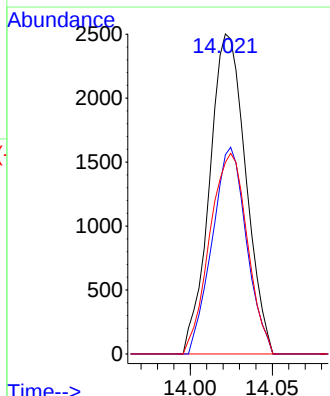
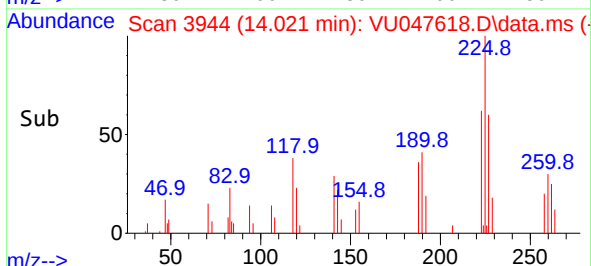
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

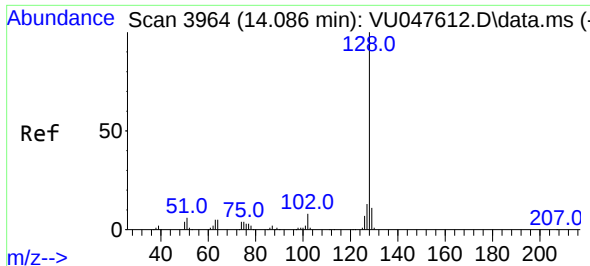


#88
Hexachlorobutadiene
Concen: 0.450 ug/l
RT: 14.021 min Scan# 3944
Delta R.T. 0.000 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50



Tgt Ion:225 Resp: 3834
Ion Ratio Lower Upper
225 100
223 61.3 51.1 76.7
227 65.1 49.9 74.9





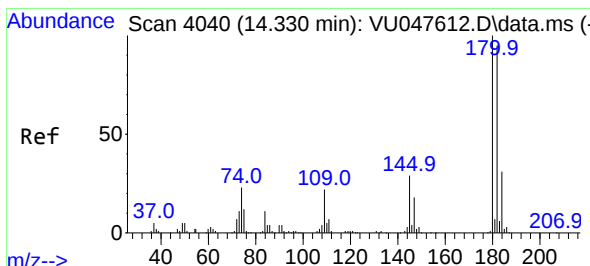
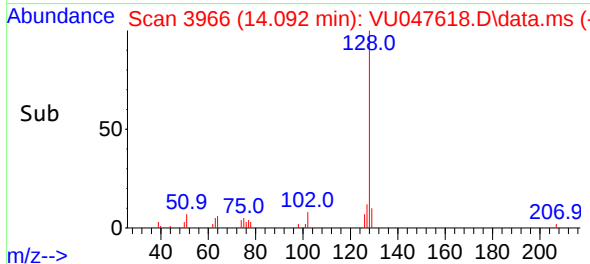
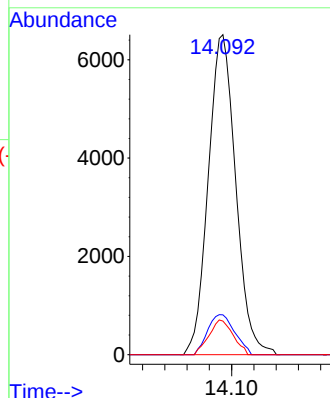
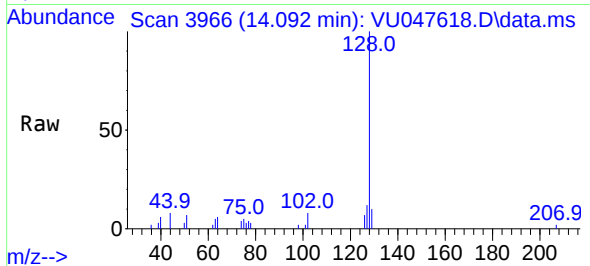
#89
Naphthalene
Concen: 0.462 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2022

Tgt Ion:	128	Resp:	1114
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.6	16.0
129	9.5	8.6	13.0

Manual Integrations
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Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#90
1,2,3-Trichlorobenzene
Concen: 0.461 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU047618.D
Acq: 18 Mar 2022 16:50

Tgt Ion:	180	Resp:	6177
Ion Ratio	Lower	Upper	
180	100		
182	100.2	75.4	113.0
145	28.1	27.0	40.4

