

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032122\
 Data File : VU047629.D
 Acq On : 21 Mar 2022 15:47
 Operator : SY/MD
 Sample : N1645-09 0.4PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2022

Quant Time: Mar 22 01:49:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031822DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 18 13:19:37 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/22/2022
 Supervised By : Mahesh Dadoda 04/01/2022

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

Internal Standards						
1) Fluorobenzene	6.118	96	33897	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	11699	0.926	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	15036	0.982	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	5317	0.434	ug/l	98
3) Chloromethane	1.530	50	5405	0.452	ug/l	96
4) Vinyl Chloride	1.607	62	5134	0.442	ug/l	95
5) Bromomethane	1.861	94	2673	0.393	ug/l	98
6) Chloroethane	1.938	64	3041	0.438	ug/l	90
7) Trichlorofluoromethane	2.144	101	6651	0.414	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.587	101	3894	0.425	ug/l	89
9) 1,1-Dichloroethene	2.587	96	4002	0.441	ug/l	83
10) Iodomethane	2.732	142	1556	1.418	ug/l	93
11) Allyl Chloride	2.931	41	5696	0.500	ug/l	99
12) Acrylonitrile	3.327	53	1684	0.842	ug/l	# 85
13) Acetone	2.645	43	3566	2.621	ug/l	98
14) Carbon Disulfide	2.800	76	12010	0.419	ug/l	97
15) Methylene Chloride	3.050	84	10969	0.506	ug/l	95
16) trans-1,2-Dichloroethene	3.359	96	4123	0.433	ug/l	95
17) 1,1-Dichloroethane	3.874	63	7248	0.448	ug/l	96
18) 2-Butanone	4.738	43	4898	2.311	ug/l	96
19) Cyclohexane	5.391	56	4768m	0.393	ug/l	
20) Methylcyclohexane	6.767	83	5175	0.372	ug/l	97
21) 2,2-Dichloropropane	4.668	77	6077	0.427	ug/l	99
22) cis-1,2-Dichloroethene	4.671	96	4331	0.418	ug/l	85
23) Diethyl Ether	2.382	59	2895	0.437	ug/l	92
24) tert-Butyl Alcohol	3.243	59	2378m	5.206	ug/l	
25) Methyl tert-Butyl Ether	3.375	73	9637	0.437	ug/l	98
26) Bromochloromethane	4.980	128	2150	0.411	ug/l	80
27) Chloroform	5.095	83	7868	0.450	ug/l	99
28) 1,1,1-Trichloroethane	5.320	97	6458	0.425	ug/l	95
29) 1,1-Dichloropropene	5.526	75	4880	0.397	ug/l	95
30) Carbon Tetrachloride	5.529	117	5489	0.406	ug/l	94
31) Isopropyl Ether	4.005	45	9323	0.434	ug/l	93
32) Ethyl-t-butyl ether	4.513	59	9043	0.417	ug/l	92
33) Tert-Amyl methyl ether	5.947	73	7987	0.392	ug/l	99
34) Propionitrile	4.809	54	1197m	1.619	ug/l	
35) Benzene	5.780	78	15402	0.418	ug/l	98
36) 1,2-Dichloroethane	5.803	62	4486	0.403	ug/l	97
37) Trichloroethene	6.545	130	4366	0.410	ug/l	89
38) 1,2-Dichloropropane	6.793	63	3907	0.412	ug/l	95
39) Methacrylonitrile	4.992	41	1052	0.396	ug/l	# 67
40) Methyl acrylate	4.874	55	1863	0.415	ug/l	# 85
41) Tetrahydrofuran	5.083	42	1211	0.899	ug/l	# 63
42) 1-Chlorobutane	5.462	56	6543	0.413	ug/l	97
43) Dibromomethane	6.922	93	2326	0.409	ug/l	# 84
44) Bromodichloromethane	7.111	83	5706	0.433	ug/l	# 97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.799	43	11707	2.061	ug/l	98
46) t-1,4-Dichloro-2-butene	10.841	75	1645m	0.667	ug/l	
47) Methyl methacrylate	6.967	69	3287	0.715	ug/l	96
48) Ethyl methacrylate	8.340	69	3067	0.354	ug/l	89
49) Toluene	7.973	92	8602	0.380	ug/l	92
50) t-1,3-Dichloropropene	8.217	75	4970	0.407	ug/l #	71
51) cis-1,3-Dichloropropene	7.610	75	5353	0.398	ug/l	92
52) 1,1,2-Trichloroethane	8.404	97	3341	0.422	ug/l	97
53) 1,3-Dichloropropane	8.581	76	5308	0.412	ug/l	98
54) 2-Hexanone	8.693	43	8774	2.115	ug/l	92
55) Dibromochloromethane	8.812	129	3960	0.396	ug/l	98
56) 1,2-Dibromoethane	8.925	107	3269	0.415	ug/l	97
58) Tetrachloroethene	8.558	164	4220	0.430	ug/l	88
59) Chlorobenzene	9.452	112	10795	0.409	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.539	131	4256	0.416	ug/l	98
61) Pentachloroethane	11.426	117	3651	0.421	ug/l	98
62) Hexachloroethane	12.478	117	3380	0.393	ug/l #	68
63) Ethyl Benzene	9.574	91	15260	0.369	ug/l	94
64) m/p-Xylenes	9.696	106	11259	0.687	ug/l	97
65) o-Xylene	10.102	106	5474	0.353	ug/l	100
66) Styrene	10.118	104	9236	0.345	ug/l	93
67) Bromoform	10.291	173	2671	0.402	ug/l	99
69) Isopropylbenzene	10.487	105	14292	0.348	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.786	83	4700	0.446	ug/l	95
71) 1,2,3-Trichloropropane	10.828	75	3819m	0.459	ug/l	
72) Bromobenzene	10.786	156	5263	0.427	ug/l	73
73) n-propylbenzene	10.909	120	4154	0.349	ug/l	86
74) 2-Chlorotoluene	10.989	126	4043	0.369	ug/l	83
75) 1,3,5-Trimethylbenzene	11.089	105	11648	0.624	ug/l	97
76) 4-Chlorotoluene	11.102	126	4255	0.365	ug/l	75
77) tert-Butylbenzene	11.423	119	13091	0.366	ug/l	89
78) 1,2,4-Trimethylbenzene	11.468	105	12135	0.627	ug/l	97
79) sec-Butylbenzene	11.645	105	16426	0.352	ug/l	99
80) Nitrobenzene	13.220	77	732	1.702	ug/l #	78
81) p-Isopropyltoluene	11.796	119	12722	0.688	ug/l	97
82) 1,3-Dichlorobenzene	11.748	146	9985	0.410	ug/l	96
83) 1,4-Dichlorobenzene	11.841	146	10004	0.409	ug/l	96
84) n-Butylbenzene	12.211	91	13249	0.741	ug/l	94
85) 1,2-Dichlorobenzene	12.214	146	9754	0.417	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.999	75	673	0.379	ug/l #	70
87) 1,2,4-Trichlorobenzene	13.844	180	6749	0.404	ug/l	96
88) Hexachlorobutadiene	14.024	225	3907	0.390	ug/l	97
89) Naphthalene	14.092	128	9575	0.338	ug/l	97
90) 1,2,3-Trichlorobenzene	14.333	180	5703	0.363	ug/l	92

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

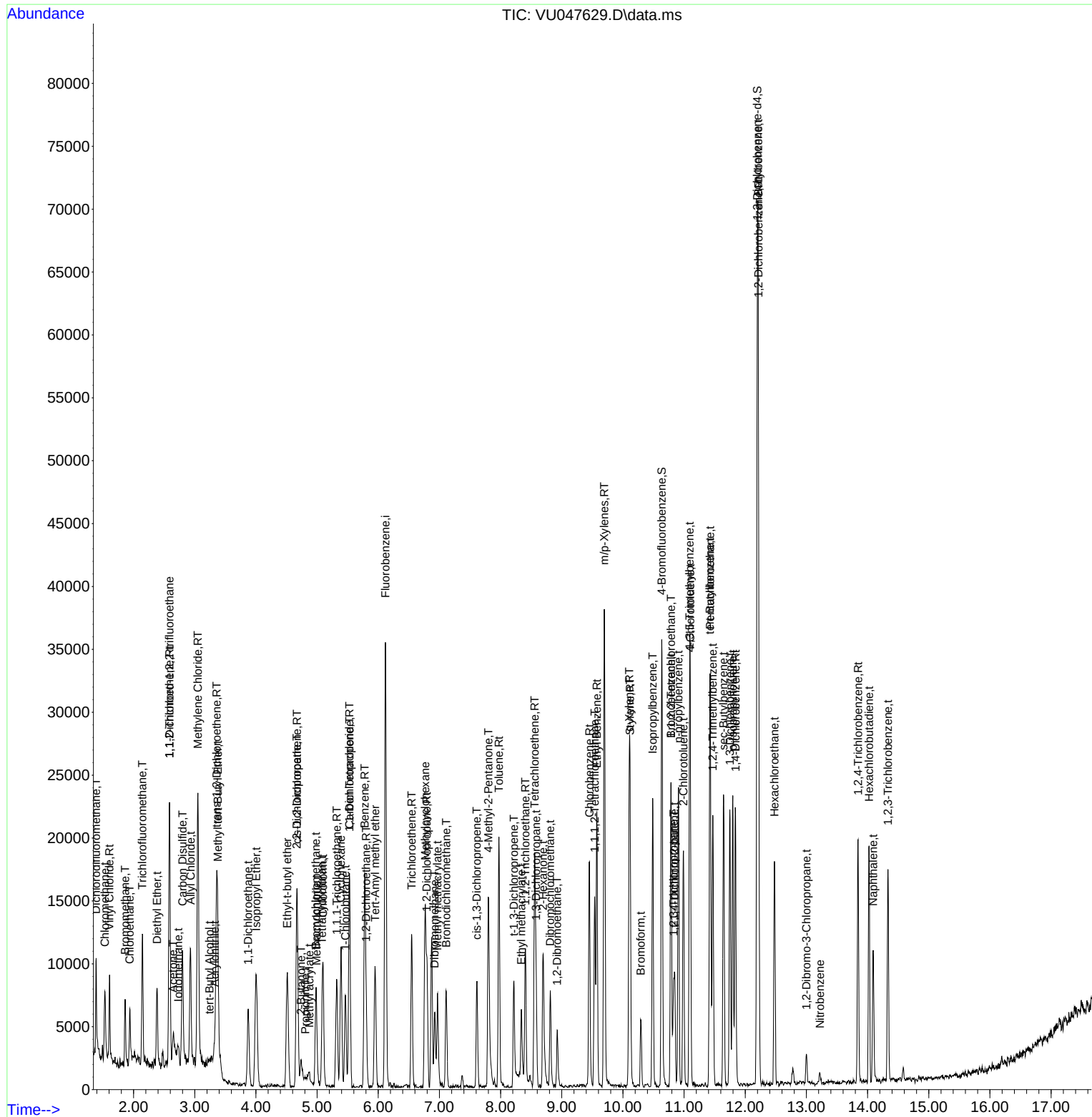
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032122\
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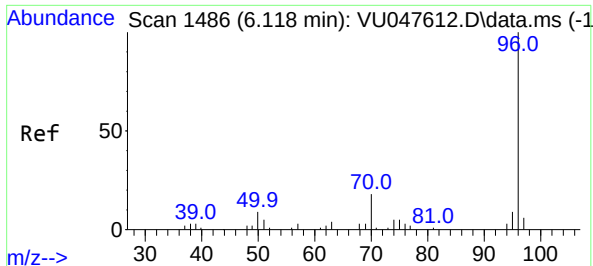
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022

Manual Integrations
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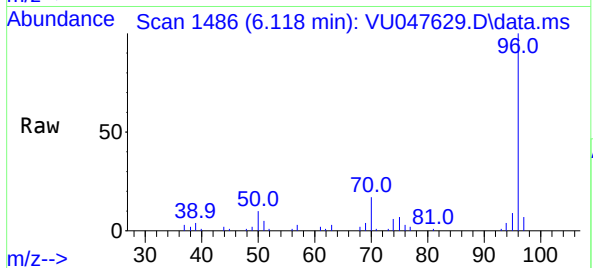
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#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.118 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT1-2022

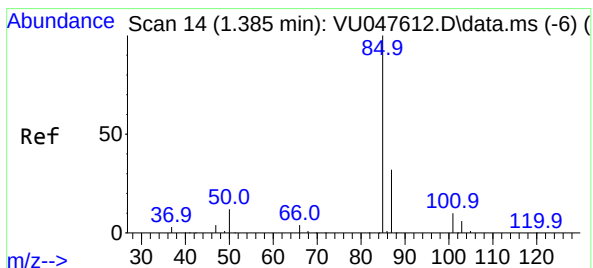
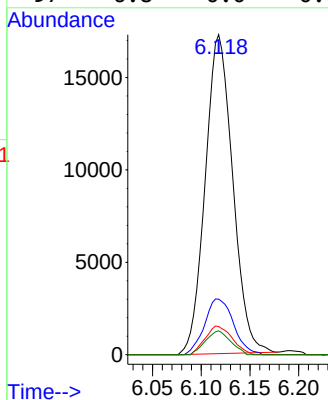
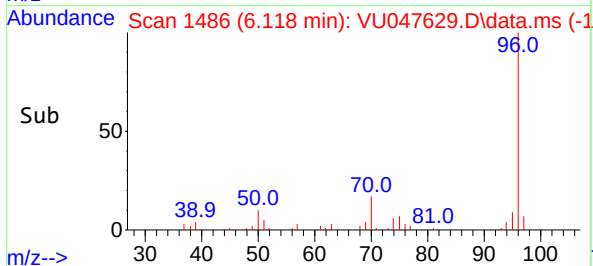


Tgt Ion: 96 Resp: 3389

Ion	Ratio	Lower	Upper
96	100		
70	18.4	16.8	25.2
95	8.8	7.3	10.9
97	6.8	0.0	0.0

Manual Integrations
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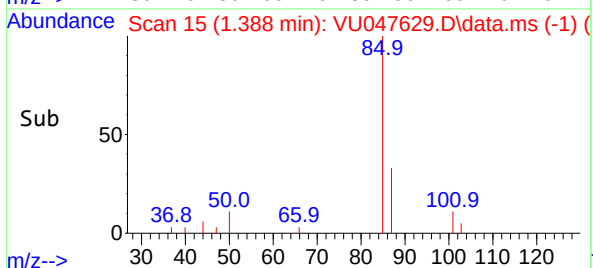
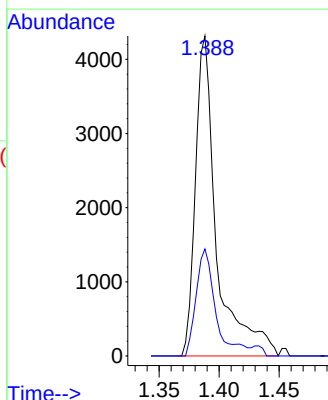
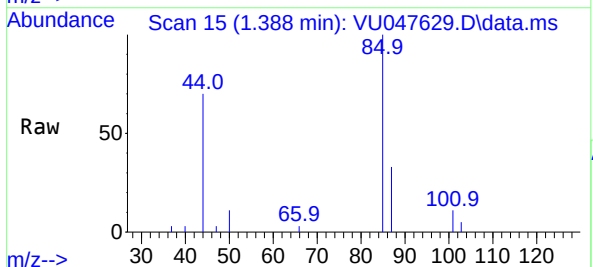
Reviewed By :John Carlone 03/22/2022
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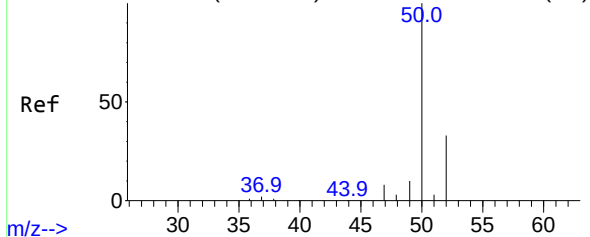
#2
Dichlorodifluoromethane
Concen: 0.434 ug/l
RT: 1.388 min Scan# 15
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

Tgt Ion: 85 Resp: 5317

Ion	Ratio	Lower	Upper
85	100		
87	33.4	16.2	48.6



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



#3

Chloromethane

Concen: 0.452 ug/l

RT: 1.530 min Scan# 58

Delta R.T. 0.003 min

Lab File: VU047629.D

Acq: 21 Mar 2022 15:47

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2022

Tgt Ion: 50 Resp: 540

Ion Ratio Lower Upper

50 100

52 35.2 26.2 39.4

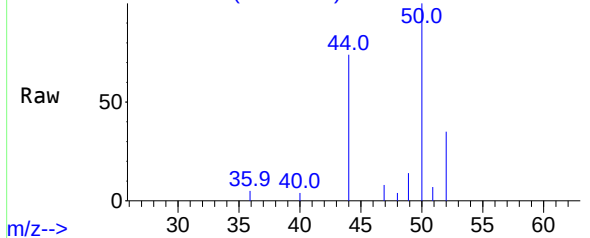
Manual Integrations

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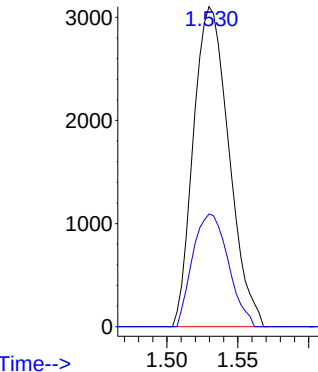
Reviewed By :John Carlone 03/22/2022

Supervised By :Mahesh Dadoda 04/01/2022

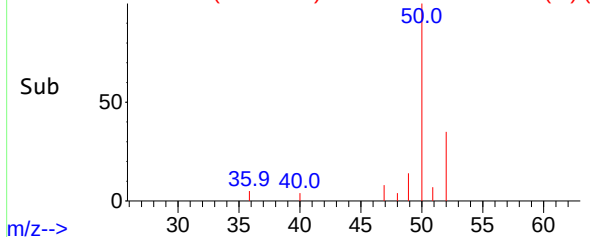
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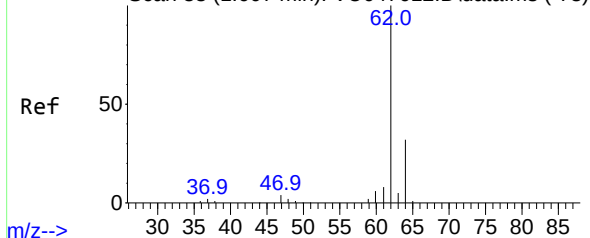
Abundance



Abundance Scan 59 (1.530 min): VU047629.D\data.ms (-1)



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



#4

Vinyl Chloride

Concen: 0.442 ug/l

RT: 1.607 min Scan# 83

Delta R.T. -0.000 min

Lab File: VU047629.D

Acq: 21 Mar 2022 15:47

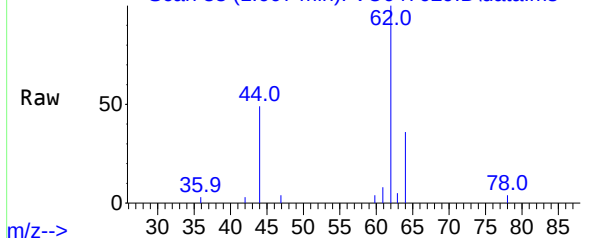
Tgt Ion: 62 Resp: 5134

Ion Ratio Lower Upper

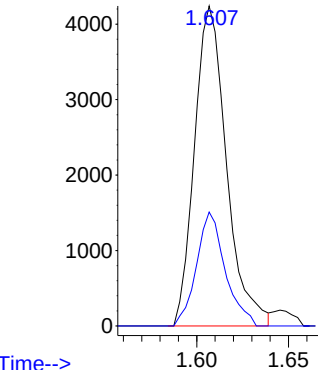
62 100

64 35.6 26.0 39.0

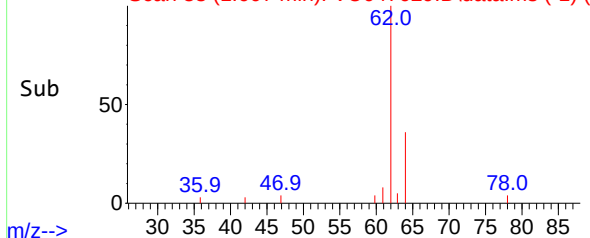
Abundance Scan 83 (1.607 min): VU047629.D\data.ms

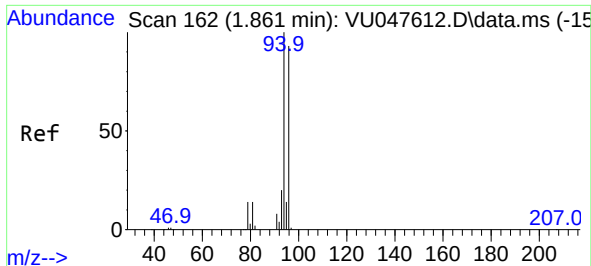


Abundance



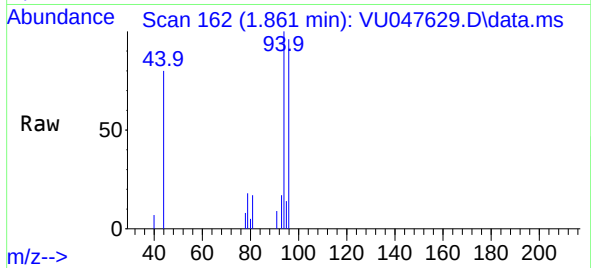
Abundance Scan 83 (1.607 min): VU047629.D\data.ms (-1)





#5
Bromomethane
Concen: 0.393 ug/l
RT: 1.861 min Scan# 162
Delta R.T. -0.000 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

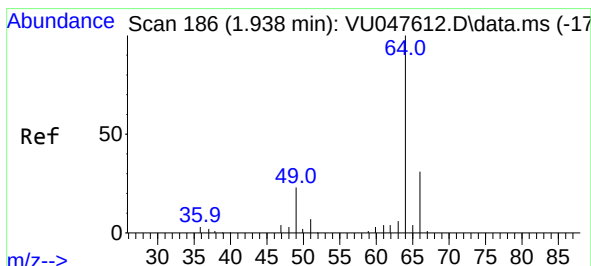
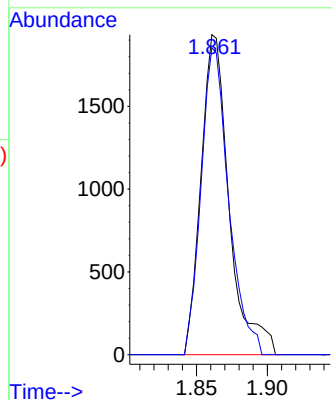
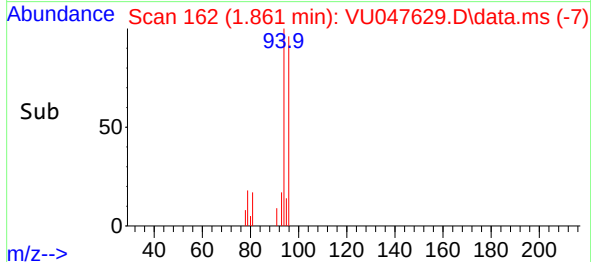
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion: 94 Resp: 2673
Ion Ratio Lower Upper
94 100
96 95.9 75.0 112.4

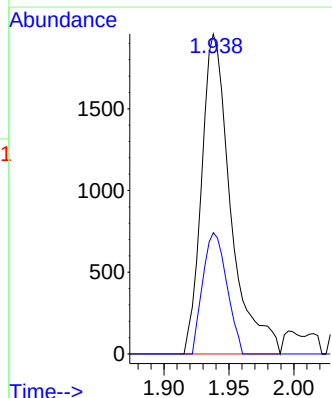
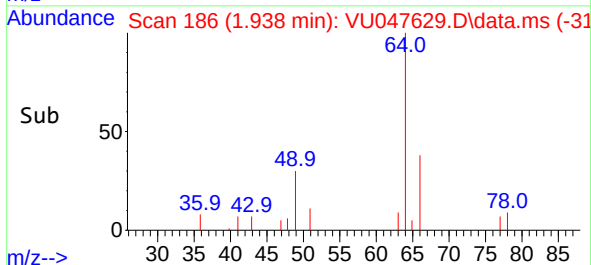
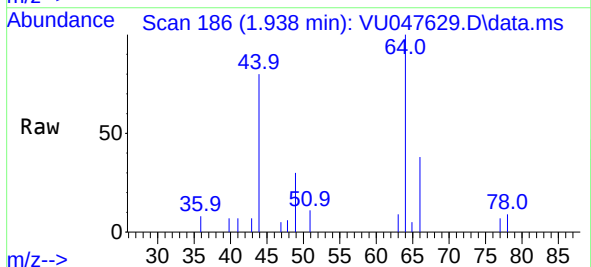
Manual Integrations
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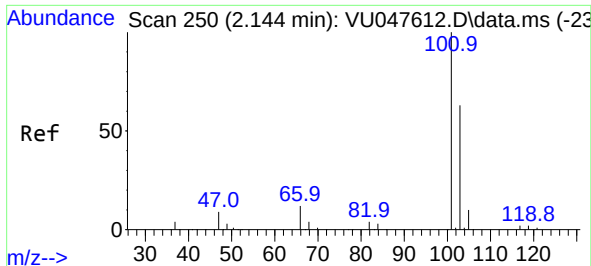
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022



#6
Chloroethane
Concen: 0.438 ug/l
RT: 1.938 min Scan# 186
Delta R.T. -0.000 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

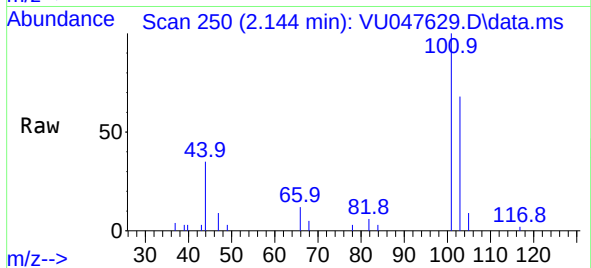
Tgt Ion: 64 Resp: 3041
Ion Ratio Lower Upper
64 100
66 37.9 25.8 38.8





#7
Trichlorofluoromethane
Concen: 0.414 ug/l
RT: 2.144 min Scan# 210
Delta R.T. -0.000 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

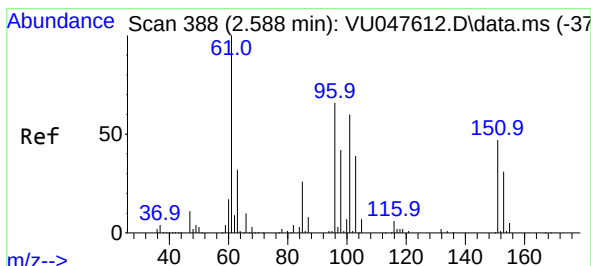
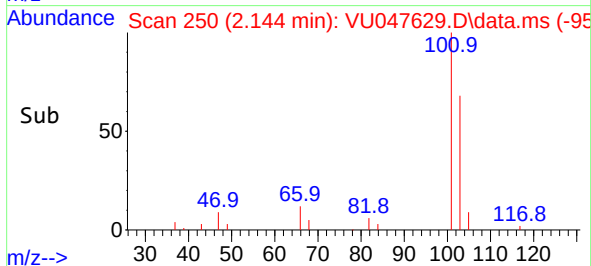
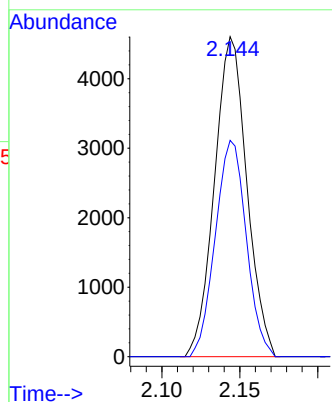
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion:101 Resp: 665
Ion Ratio Lower Upper
101 100
103 67.6 52.2 78.2

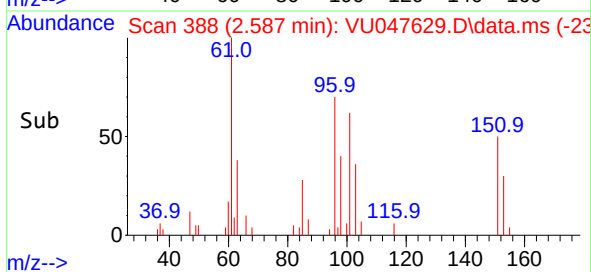
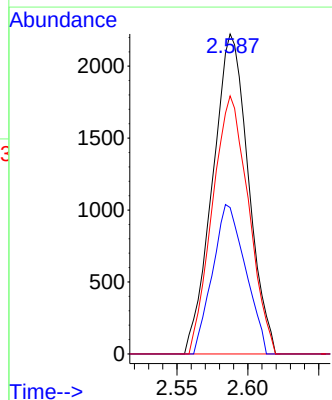
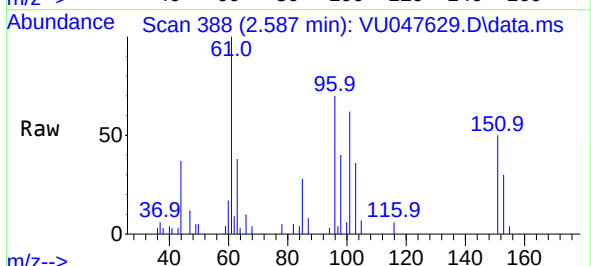
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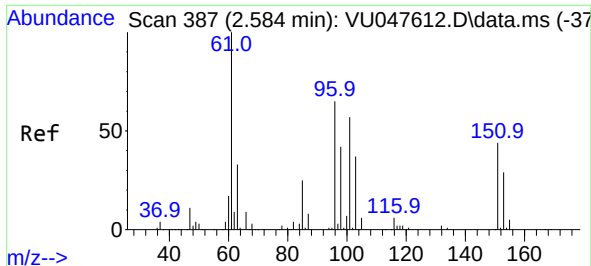
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.425 ug/l
RT: 2.587 min Scan# 388
Delta R.T. -0.000 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

Tgt Ion:101 Resp: 3894
Ion Ratio Lower Upper
101 100
85 43.0 35.8 53.6
151 81.7 54.6 81.8





#9

1,1-Dichloroethene

Concen: 0.441 ug/l

RT: 2.587 min Scan# 387

Delta R.T. 0.003 min

Lab File: VU047629.D

Acq: 21 Mar 2022 15:47

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2022

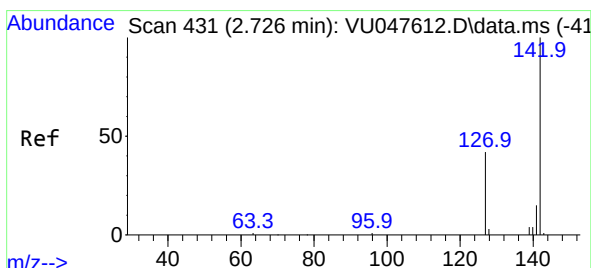
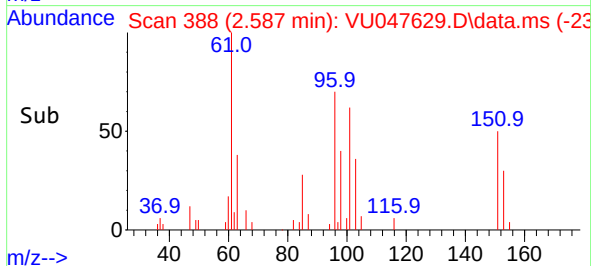
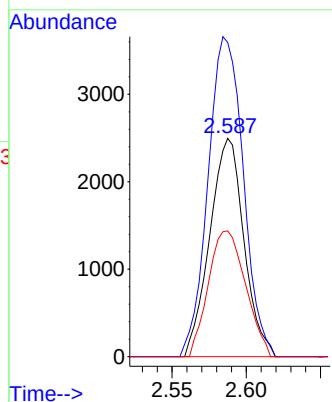
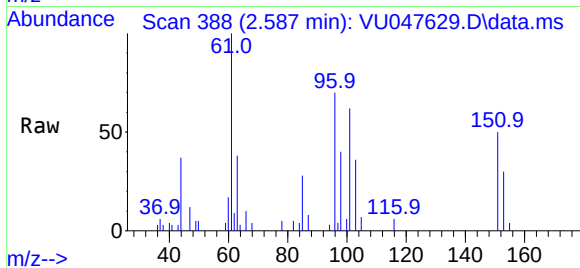
Tgt Ion: 96	Resp: 400
Ion Ratio	Lower Upper
96	100
61	143.8 0.0 514.2
98	57.6 0.0 126.4

Manual Integrations

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Reviewed By :John Carlone 03/22/2022

Supervised By :Mahesh Dadoda 04/01/2022



#10

Iodomethane

Concen: 1.418 ug/l

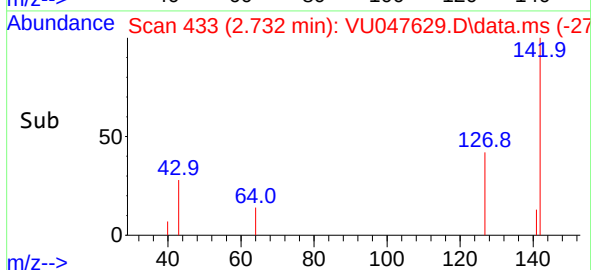
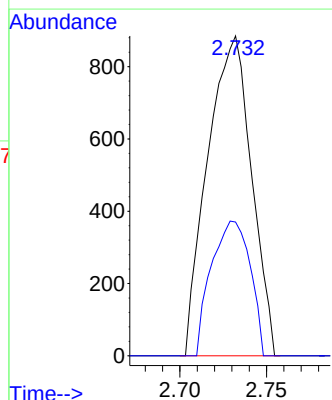
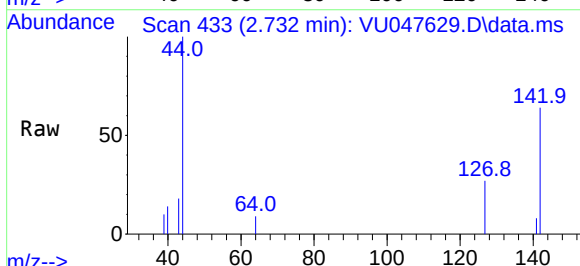
RT: 2.732 min Scan# 433

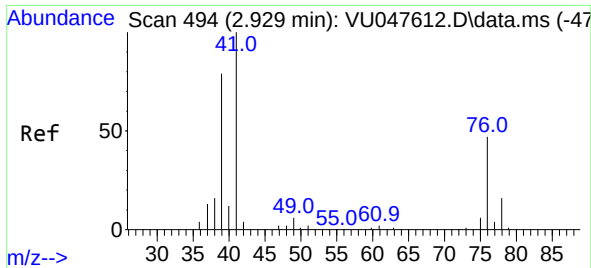
Delta R.T. 0.006 min

Lab File: VU047629.D

Acq: 21 Mar 2022 15:47

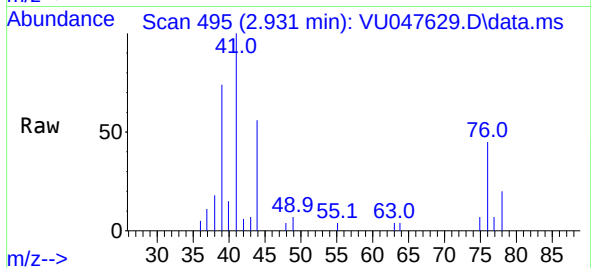
Tgt Ion:142	Resp: 1556
Ion Ratio	Lower Upper
142	100
127	37.3 33.2 49.8





#11
 Allyl Chloride
 Concen: 0.500 ug/l
 RT: 2.931 min Scan# 495
 Delta R.T. 0.003 min
 Lab File: VU047629.D
 Acq: 21 Mar 2022 15:47

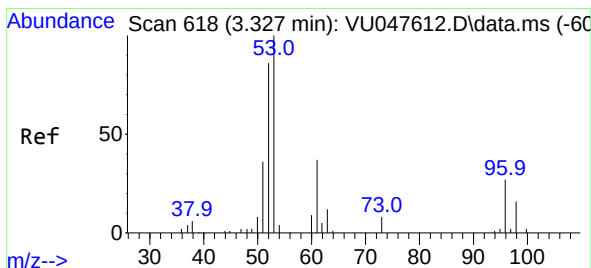
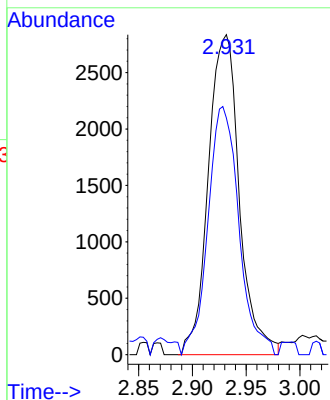
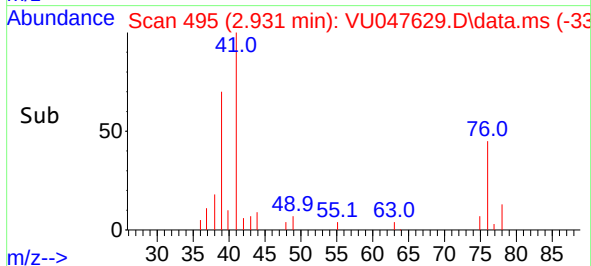
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2022



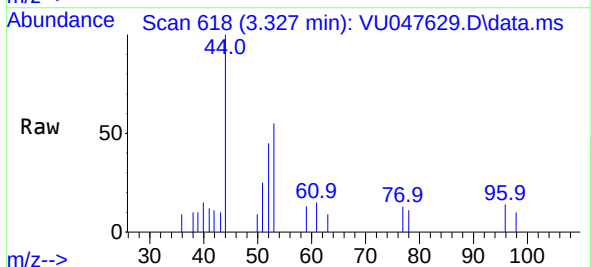
Tgt Ion: 41 Resp: 5690
 Ion Ratio Lower Upper
 41 100
 39 77.1 62.4 93.6

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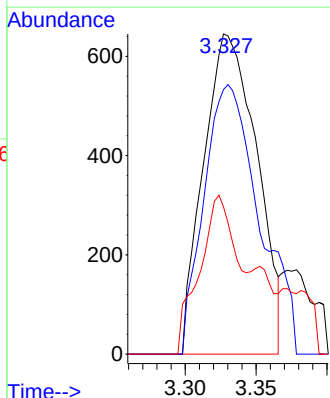
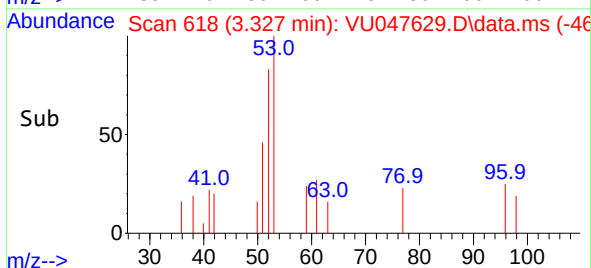
Reviewed By :John Carlone 03/22/2022
 Supervised By :Mahesh Dadoda 04/01/2022

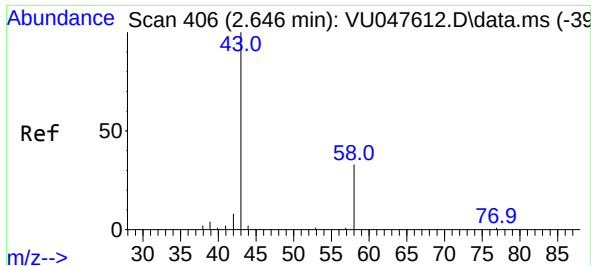


#12
 Acrylonitrile
 Concen: 0.842 ug/l
 RT: 3.327 min Scan# 618
 Delta R.T. -0.000 min
 Lab File: VU047629.D
 Acq: 21 Mar 2022 15:47



Tgt Ion: 53 Resp: 1684
 Ion Ratio Lower Upper
 53 100
 52 87.7 56.7 85.1#
 51 35.0 30.3 45.5





#13

Acetone

Concen: 2.621 ug/l

RT: 2.645 min Scan# 406

Delta R.T. -0.000 min

Lab File: VU047629.D

Acq: 21 Mar 2022 15:47

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2022

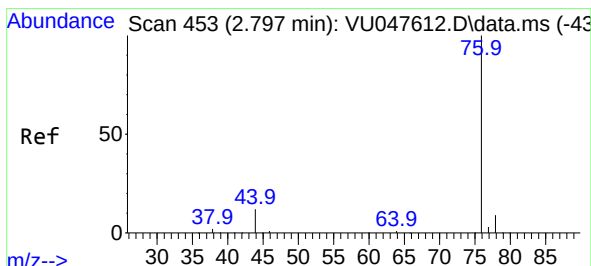
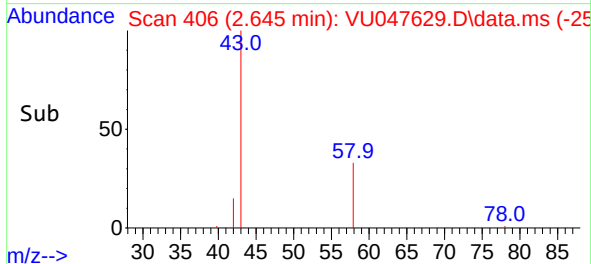
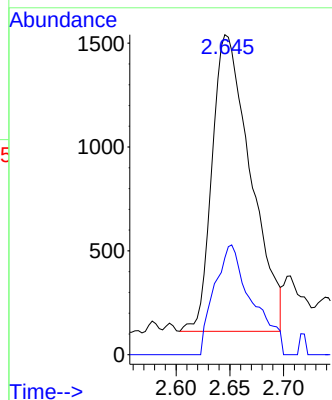
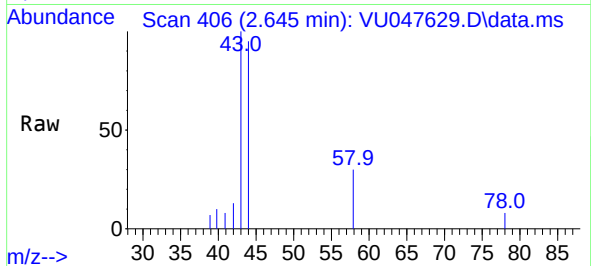
Tgt Ion: 43 Resp: 3560
 Ion Ratio Lower Upper
 43 100
 58 32.6 27.1 40.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/22/2022

Supervised By :Mahesh Dadoda 04/01/2022



#14

Carbon Disulfide

Concen: 0.419 ug/l

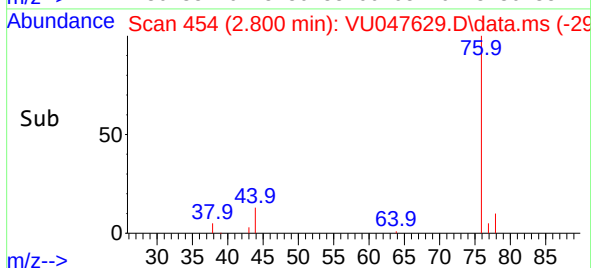
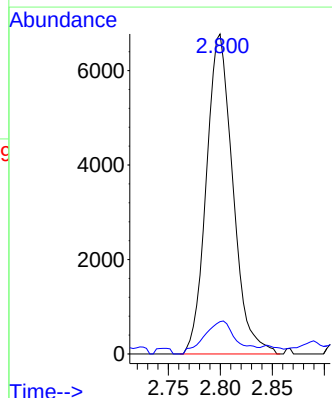
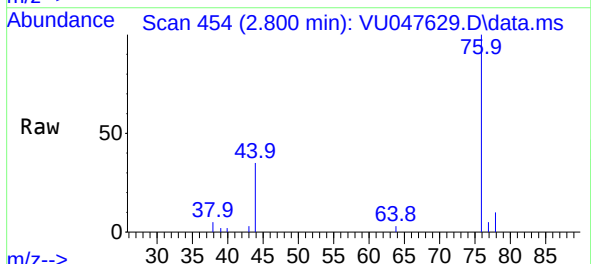
RT: 2.800 min Scan# 454

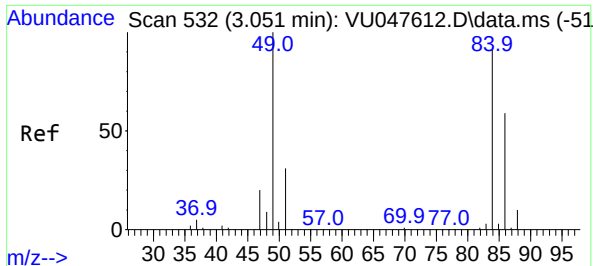
Delta R.T. 0.003 min

Lab File: VU047629.D

Acq: 21 Mar 2022 15:47

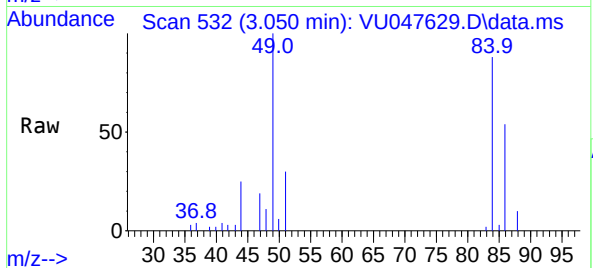
Tgt Ion: 76 Resp: 12010
 Ion Ratio Lower Upper
 76 100
 78 10.1 7.1 10.7





#15
Methylene Chloride
Concen: 0.506 ug/l
RT: 3.050 min Scan# 51
Delta R.T. -0.001 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

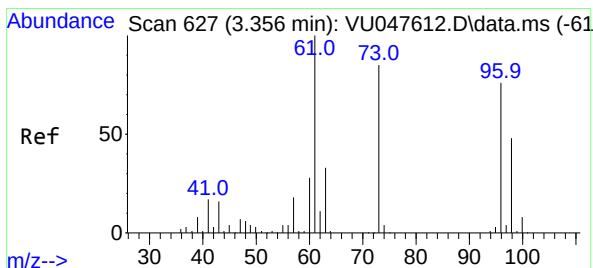
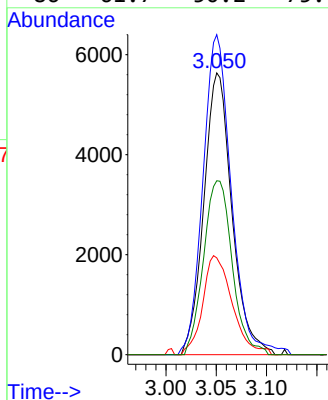
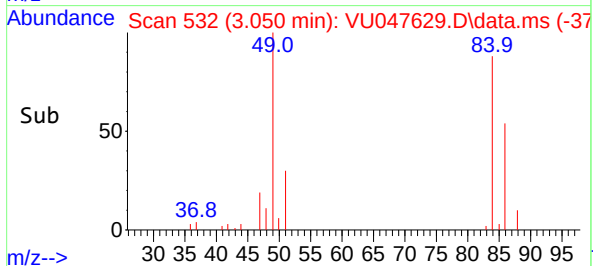
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022



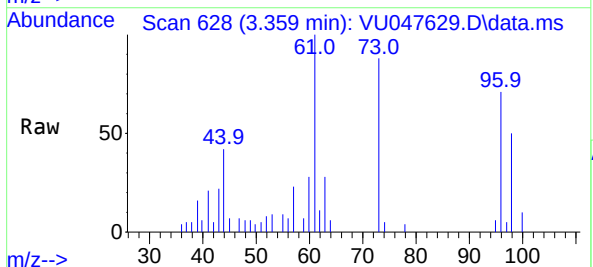
Tgt Ion: 84 Resp: 1096
Ion Ratio Lower Upper
84 100
49 113.6 97.2 145.8
51 34.4 0.0 73.4
86 61.7 50.2 75.4

Manual Integrations
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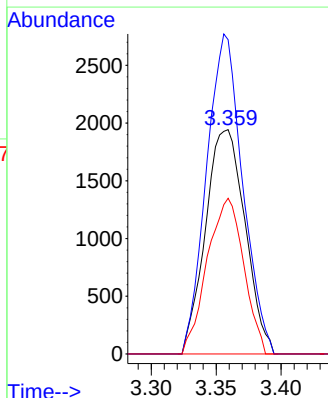
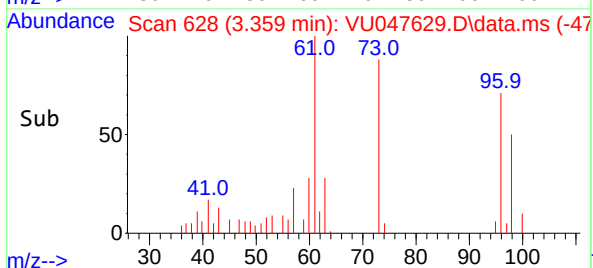
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022

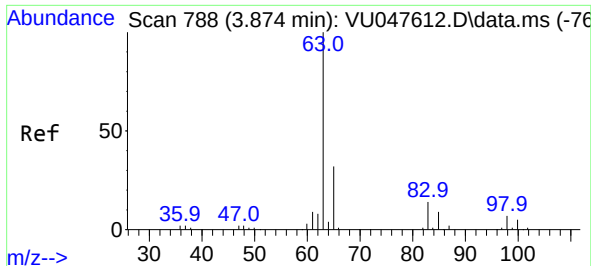


#16
trans-1,2-Dichloroethene
Concen: 0.433 ug/l
RT: 3.359 min Scan# 628
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47



Tgt Ion: 96 Resp: 4123
Ion Ratio Lower Upper
96 100
61 140.1 115.8 173.6
98 69.4 51.1 76.7





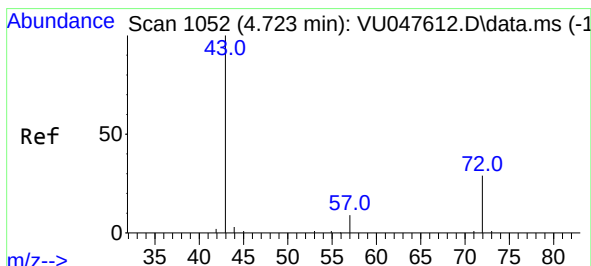
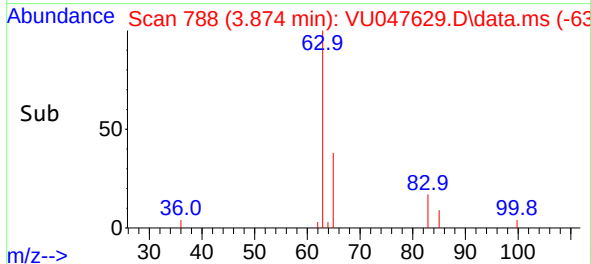
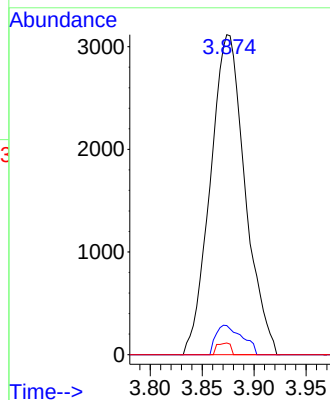
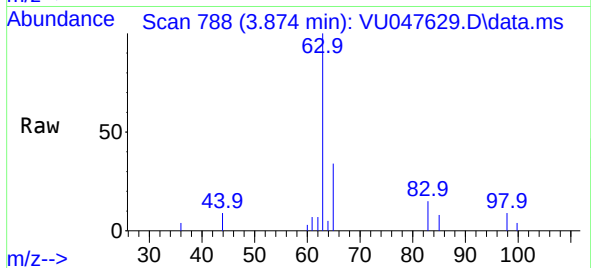
#17
1,1-Dichloroethane
Concen: 0.448 ug/l
RT: 3.874 min Scan# 714
Delta R.T. -0.000 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT1-2022

Tgt Ion: 63 Resp: 7248
Ion Ratio Lower Upper
63 100
98 9.1 3.6 10.8
100 3.7 2.1 6.5

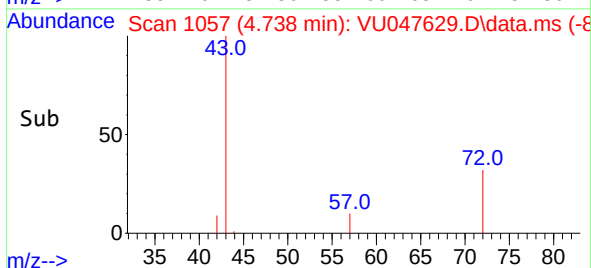
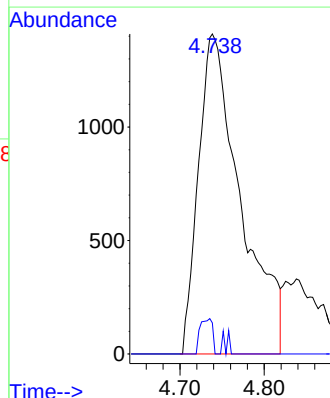
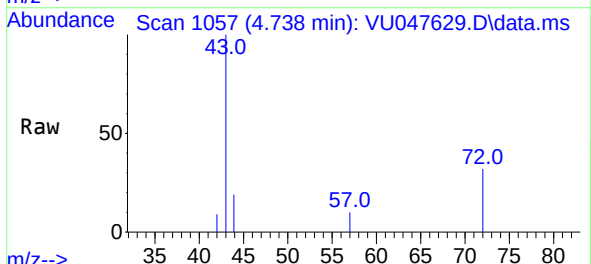
Manual Integrations
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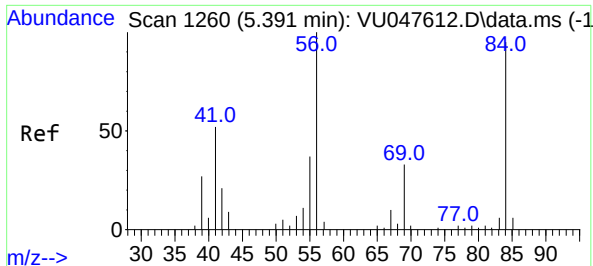
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022



#18
2-Butanone
Concen: 2.311 ug/l
RT: 4.738 min Scan# 1057
Delta R.T. 0.016 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

Tgt Ion: 43 Resp: 4898
Ion Ratio Lower Upper
43 100
57 9.7 0.0 16.6





#19

Cyclohexane

Concen: 0.393 ug/l m

RT: 5.391 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU047629.D

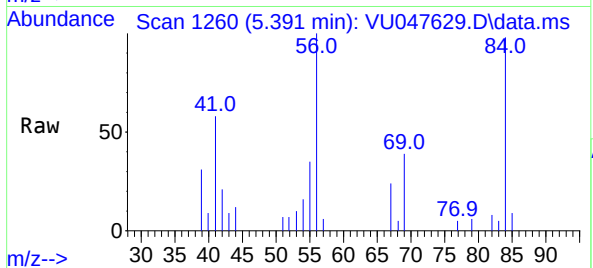
Acq: 21 Mar 2022 15:47

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2022



Tgt Ion: 56 Resp: 476

Ion Ratio Lower Upper

56 100

69 34.5 24.7 37.1

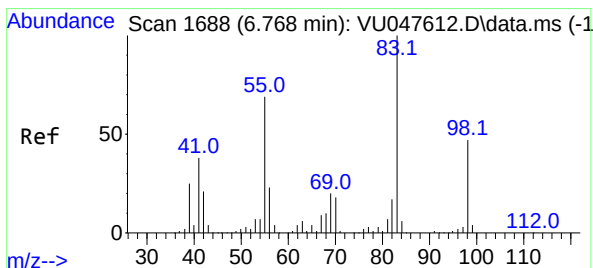
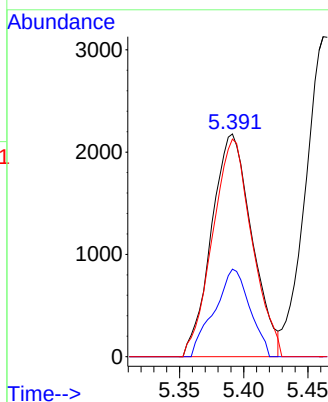
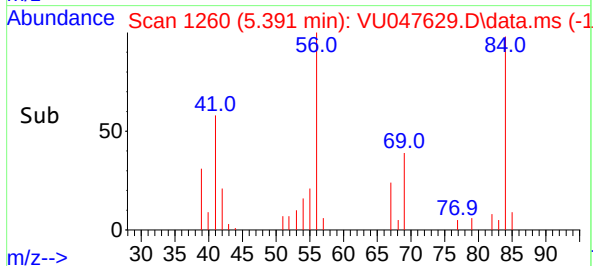
84 95.3 68.8 103.2

Manual Integrations

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Reviewed By :John Carlone 03/22/2022

Supervised By :Mahesh Dadoda 04/01/2022



#20

Methylcyclohexane

Concen: 0.372 ug/l

RT: 6.767 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VU047629.D

Acq: 21 Mar 2022 15:47

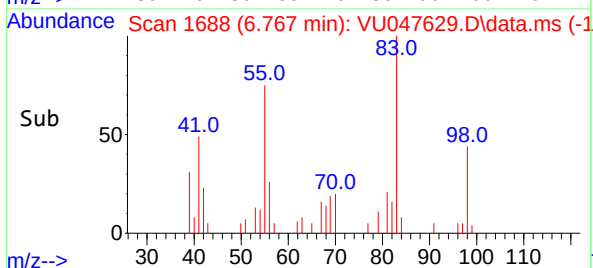
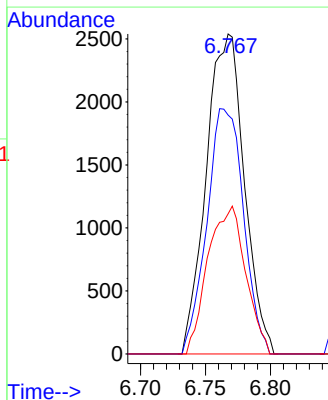
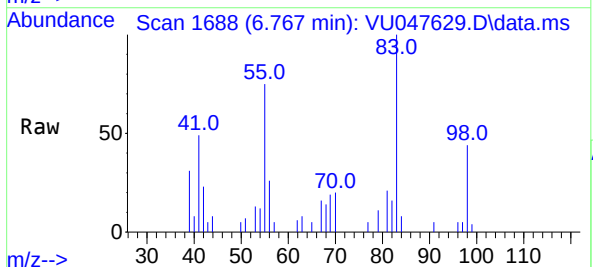
Tgt Ion: 83 Resp: 5175

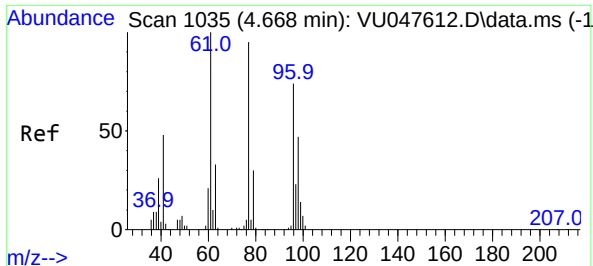
Ion Ratio Lower Upper

83 100

55 73.9 61.9 92.9

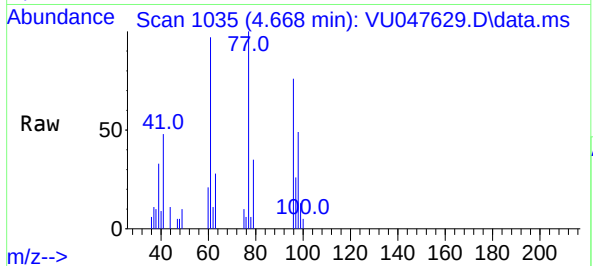
98 45.9 37.4 56.2





#21
2,2-Dichloropropane
Concen: 0.427 ug/l
RT: 4.668 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

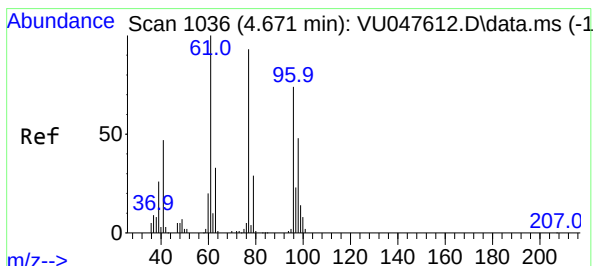
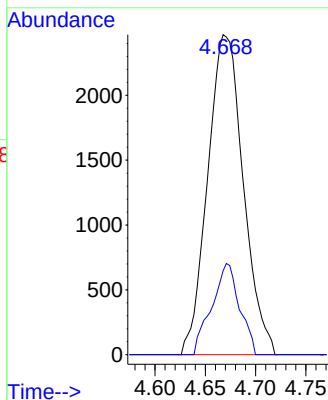
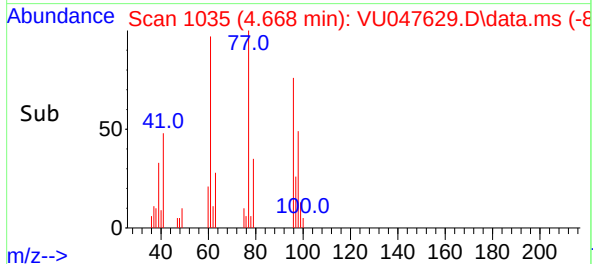
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT1-2022



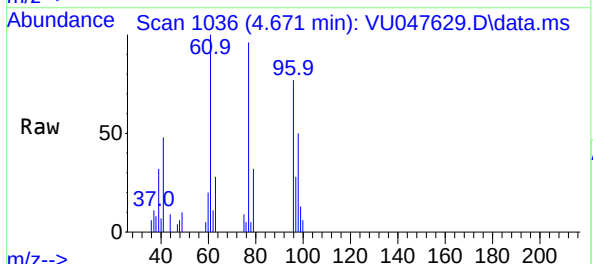
Tgt Ion: 77 Resp: 607
Ion Ratio Lower Upper
77 100
97 22.1 17.2 25.8

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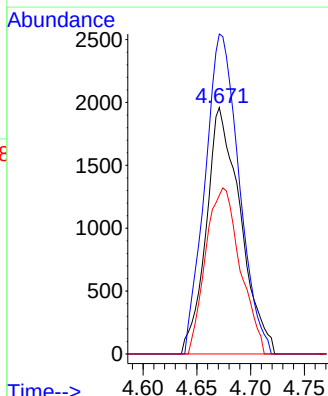
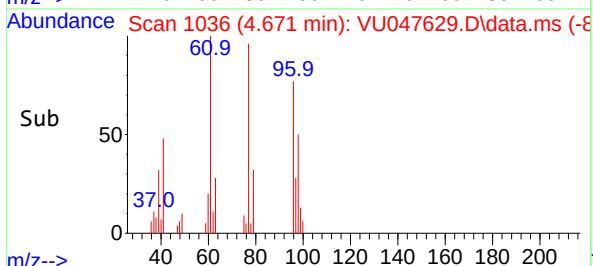
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022

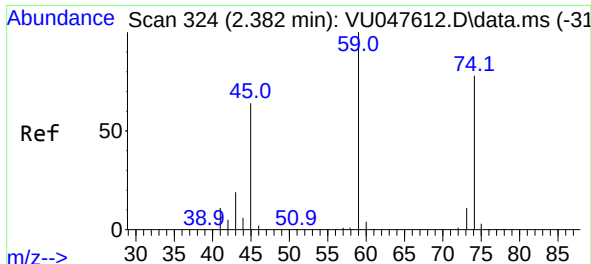


#22
cis-1,2-Dichloroethene
Concen: 0.418 ug/l
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47



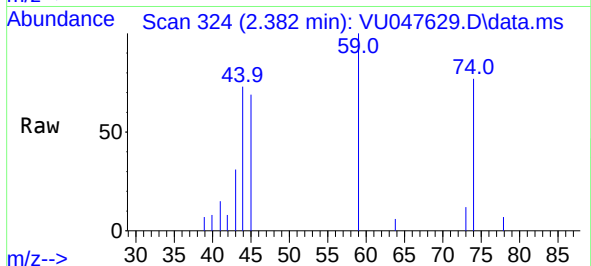
Tgt Ion: 96 Resp: 4331
Ion Ratio Lower Upper
96 100
61 129.6 0.0 385.3
98 67.9 32.1 96.3





#23
Diethyl Ether
Concen: 0.437 ug/l
RT: 2.382 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

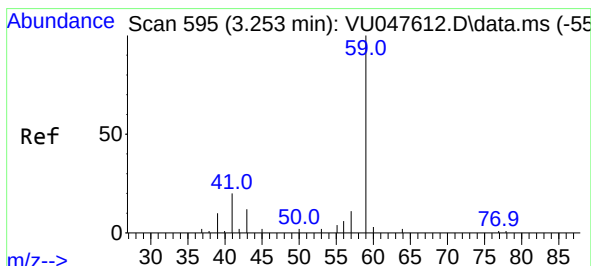
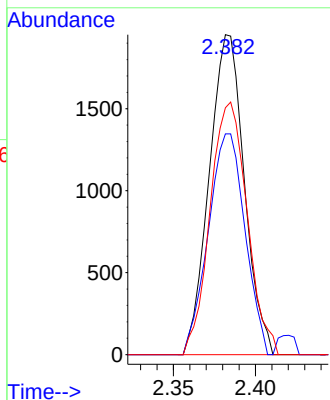
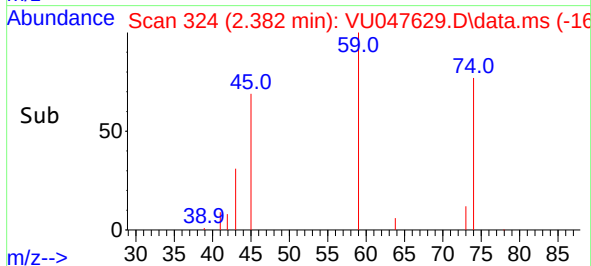
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion: 59 Resp: 289
Ion Ratio Lower Upper
59 100
45 72.3 55.6 83.4
74 83.4 58.1 87.1

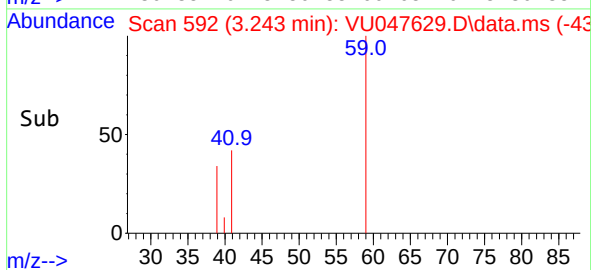
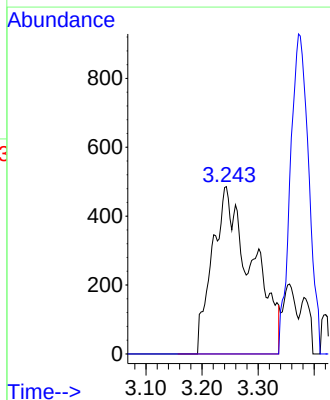
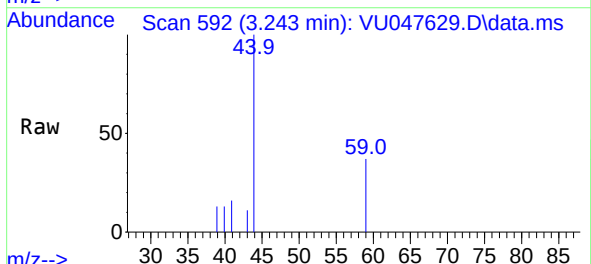
Manual Integrations
APPROVED

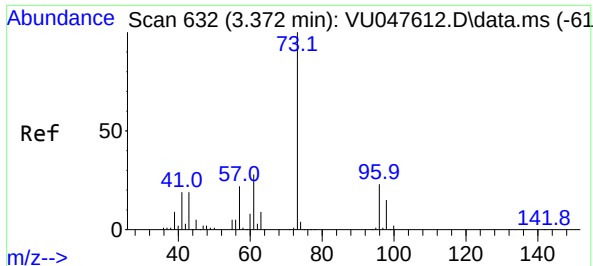
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022



#24
tert-Butyl Alcohol
Concen: 5.206 ug/l m
RT: 3.243 min Scan# 592
Delta R.T. -0.010 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

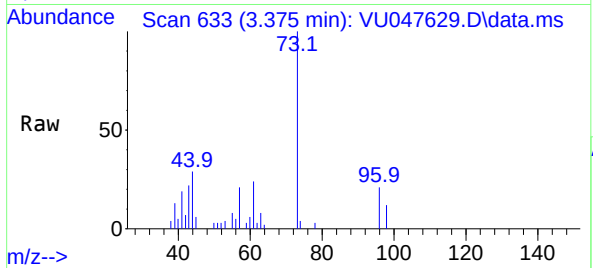
Tgt Ion: 59 Resp: 2378
Ion Ratio Lower Upper
59 100
57 0.0 6.5 9.7#





#25
Methyl tert-Butyl Ether
Concen: 0.437 ug/l
RT: 3.375 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

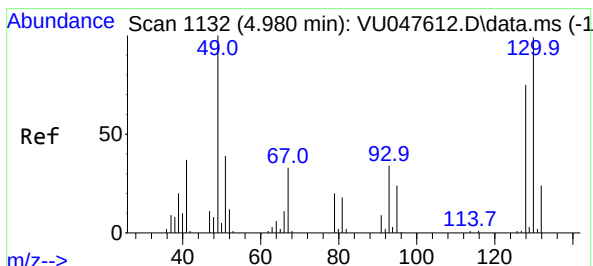
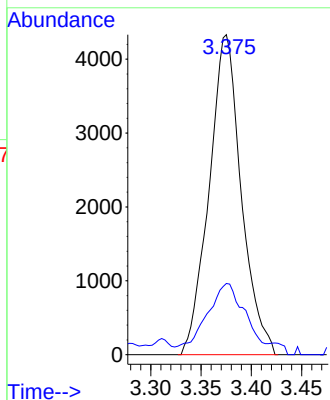
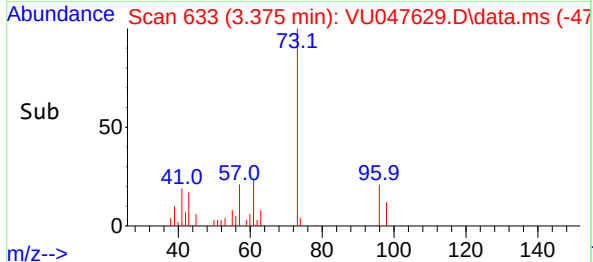
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022



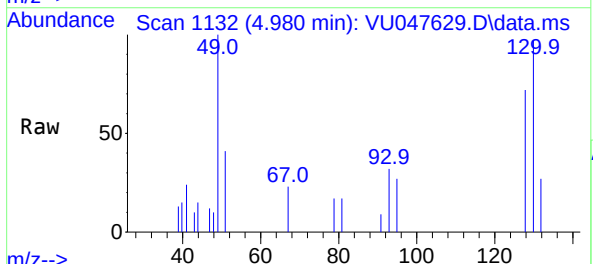
Tgt Ion: 73 Resp: 963
Ion Ratio Lower Upper
73 100
43 21.5 16.3 24.5

Manual Integrations
APPROVED

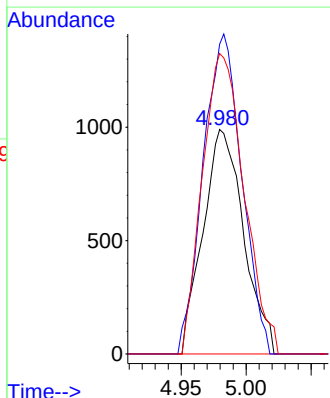
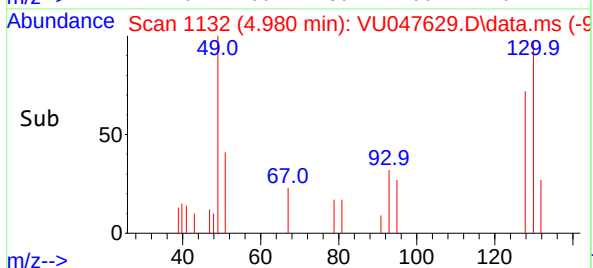
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022

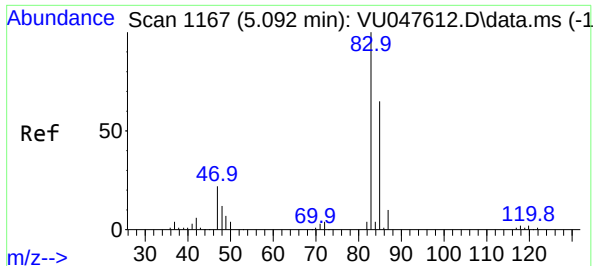


#26
Bromochloromethane
Concen: 0.411 ug/l
RT: 4.980 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47



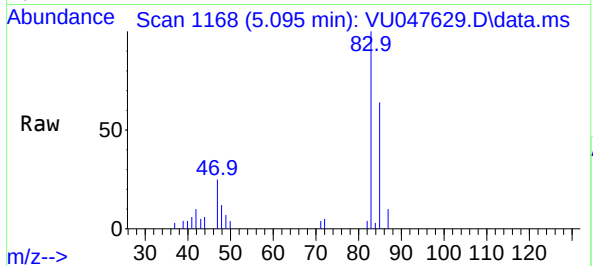
Tgt Ion:128 Resp: 2150
Ion Ratio Lower Upper
128 100
49 135.8 0.0 347.4
130 137.6 101.5 152.3





#27
Chloroform
Concen: 0.450 ug/l
RT: 5.095 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

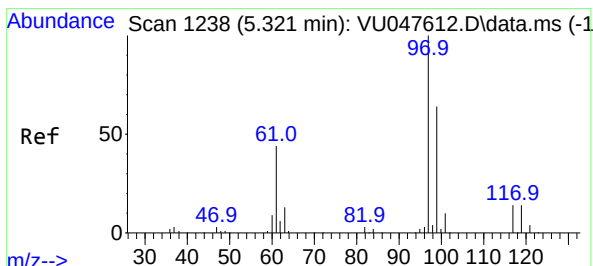
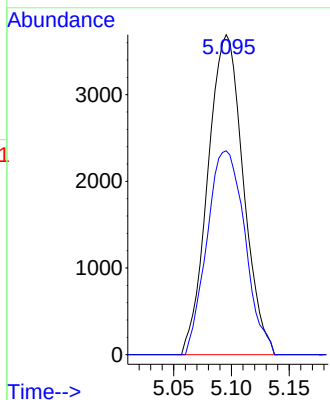
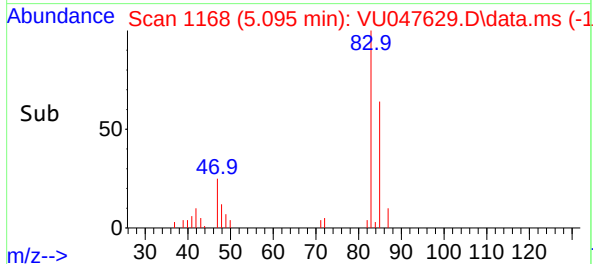
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion: 83 Resp: 786
Ion Ratio Lower Upper
83 100
85 63.7 0.0 129.2

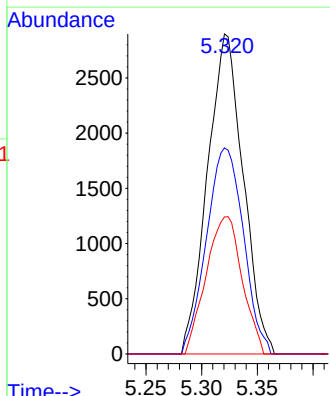
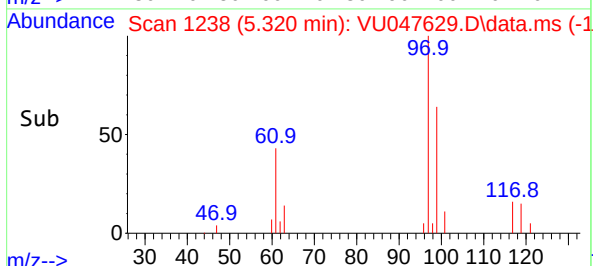
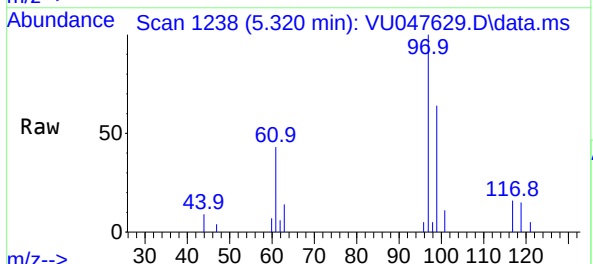
Manual Integrations
APPROVED

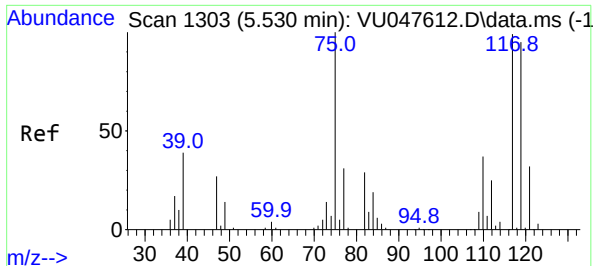
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022



#28
1,1,1-Trichloroethane
Concen: 0.425 ug/l
RT: 5.320 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

Tgt Ion: 97 Resp: 6458
Ion Ratio Lower Upper
97 100
99 66.8 32.2 96.6
61 43.2 24.5 73.5





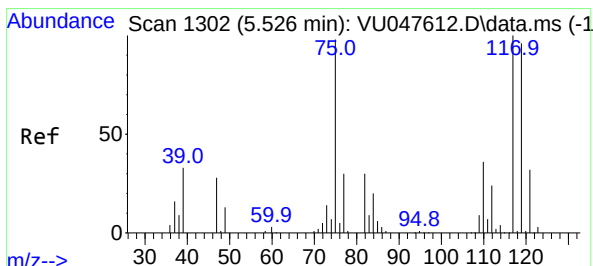
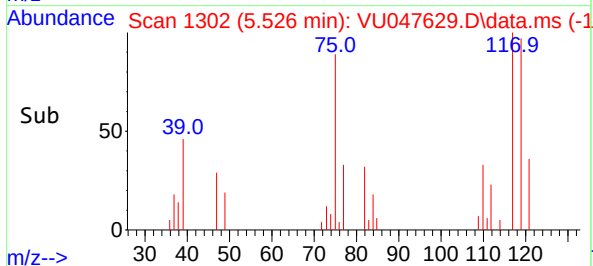
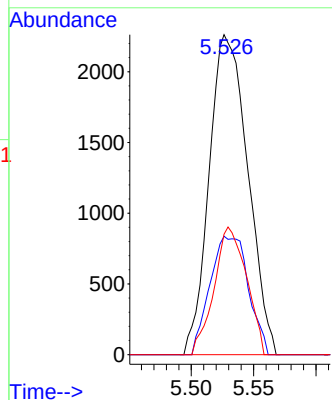
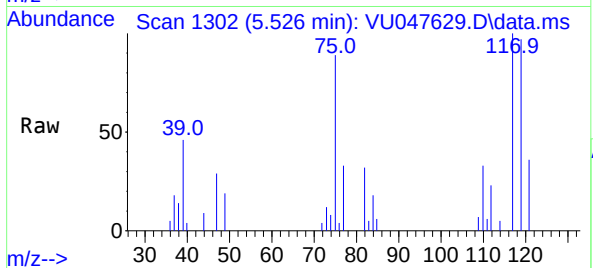
#29
1,1-Dichloropropene
Concen: 0.397 ug/l
RT: 5.526 min Scan# 110
Delta R.T. -0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022

Tgt Ion: 75 Resp: 4880
Ion Ratio Lower Upper
75 100
110 36.7 16.8 50.3
77 33.5 24.7 37.1

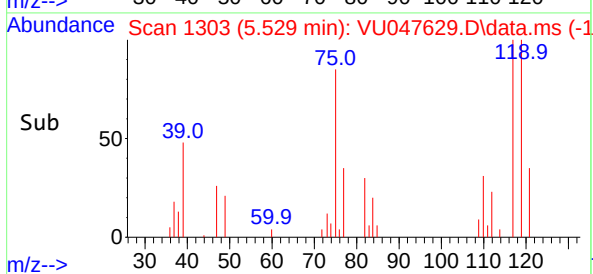
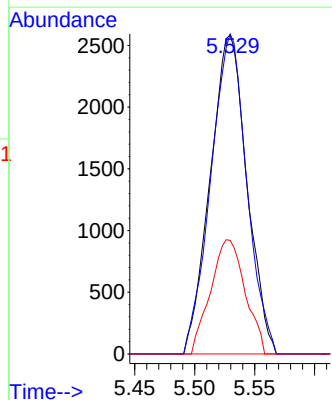
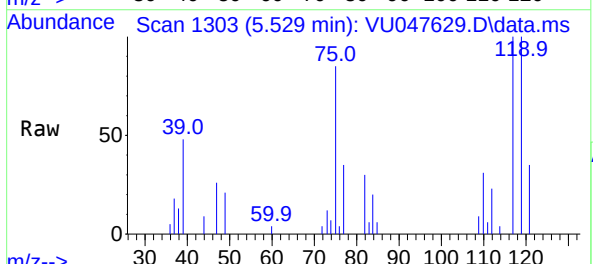
Manual Integrations
APPROVED

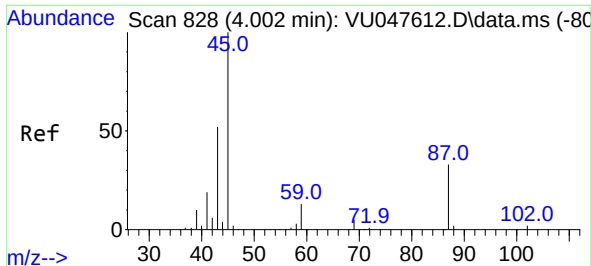
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022



#30
Carbon Tetrachloride
Concen: 0.406 ug/l
RT: 5.529 min Scan# 1303
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

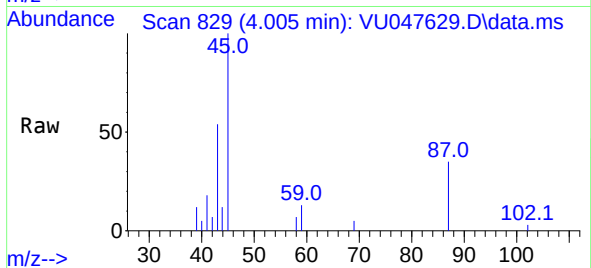
Tgt Ion:117 Resp: 5489
Ion Ratio Lower Upper
117 100
119 100.4 76.8 115.2
121 35.6 24.6 37.0





#31
Isopropyl Ether
Concen: 0.434 ug/l
RT: 4.005 min Scan# 81
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

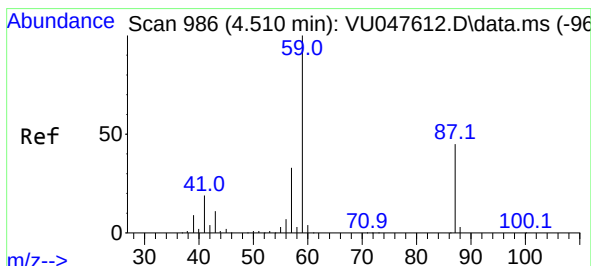
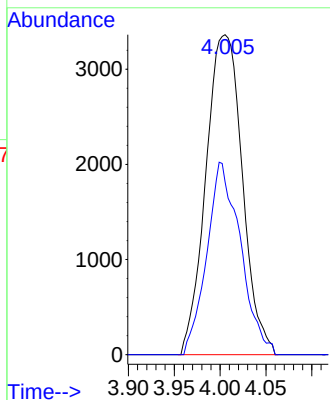
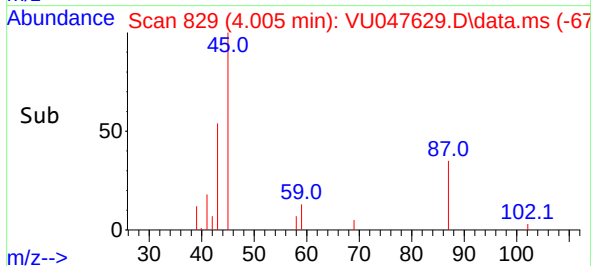
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022



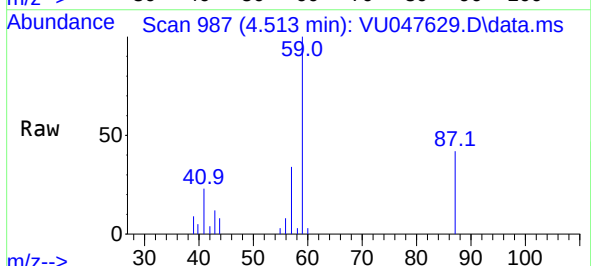
Tgt Ion: 45 Resp: 932
Ion Ratio Lower Upper
45 100
43 55.4 25.3 75.8

Manual Integrations
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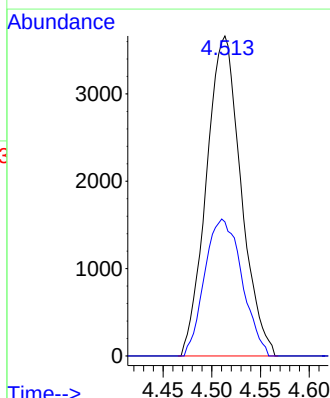
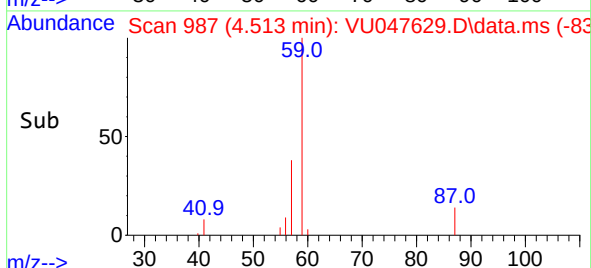
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022

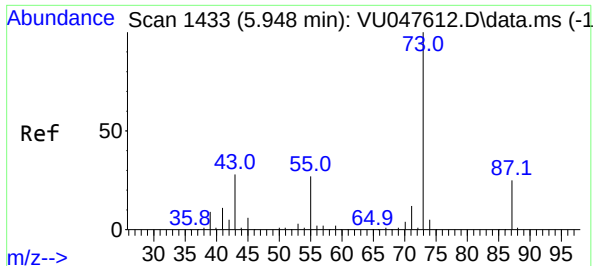


#32
Ethyl-t-butyl ether
Concen: 0.417 ug/l
RT: 4.513 min Scan# 987
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47



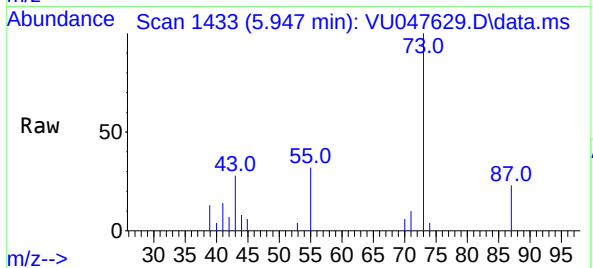
Tgt Ion: 59 Resp: 9043
Ion Ratio Lower Upper
59 100
87 46.1 32.7 49.1





Tert-Amyl methyl ether
 Concen: 0.392 ug/l
 RT: 5.947 min Scan# 1433
 Delta R.T. -0.000 min
 Lab File: VU047629.D
 Acq: 21 Mar 2022 15:47

Instrument : MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2022

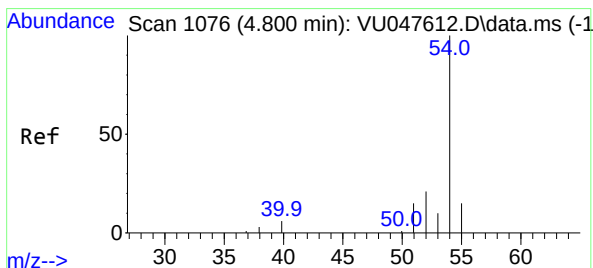
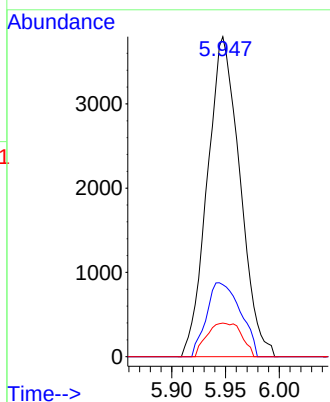
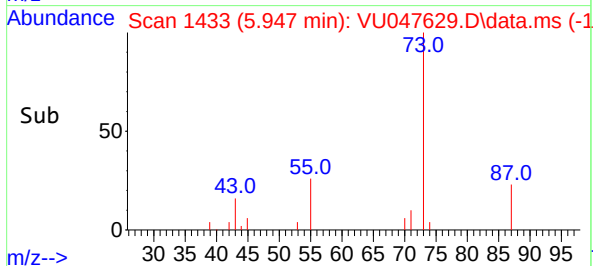


Tgt Ion: 73 Resp: 798

Ion	Ratio	Lower	Upper
73	100		
87	24.1	18.6	28.0
71	11.1	9.0	13.6

Manual Integrations
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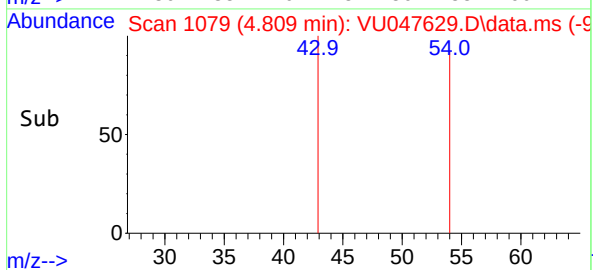
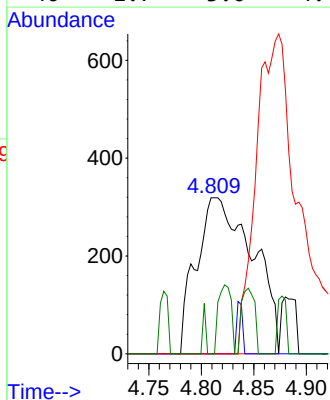
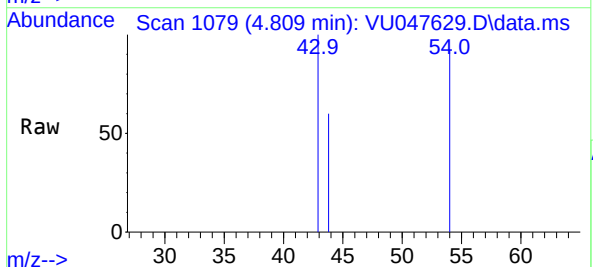
Reviewed By :John Carlone 03/22/2022
 Supervised By :Mahesh Dadoda 04/01/2022

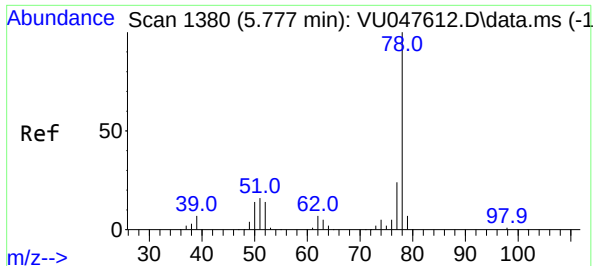


Propionitrile
 Concen: 1.619 ug/l m
 RT: 4.809 min Scan# 1079
 Delta R.T. 0.009 min
 Lab File: VU047629.D
 Acq: 21 Mar 2022 15:47

Tgt Ion: 54 Resp: 1197

Ion	Ratio	Lower	Upper
54	100		
52	0.0	11.9	17.9#
55	0.0	8.0	12.0#
40	1.7	3.0	4.4#





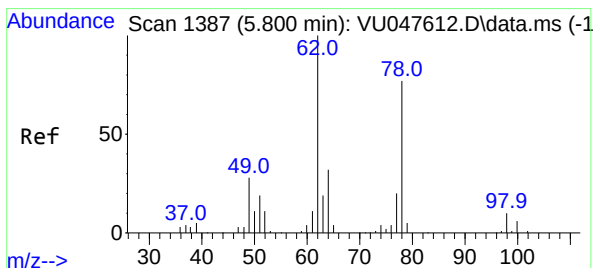
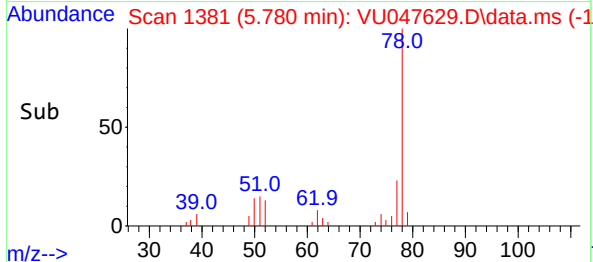
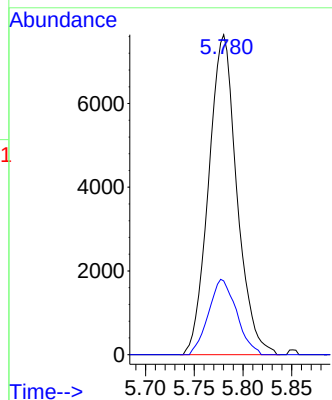
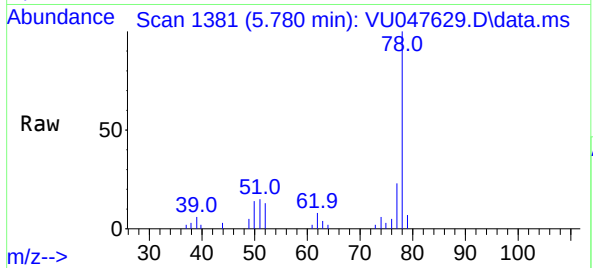
#35
Benzene
Concen: 0.418 ug/l
RT: 5.780 min Scan# 1381
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022

Tgt Ion: 78 Resp: 1540
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7

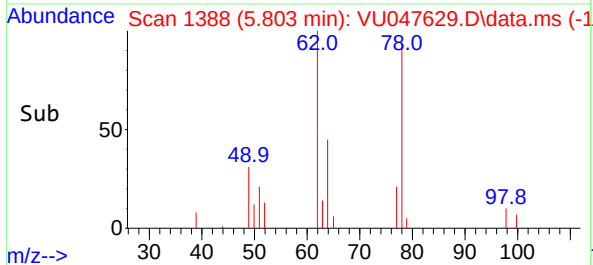
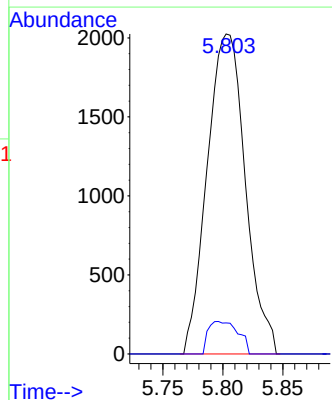
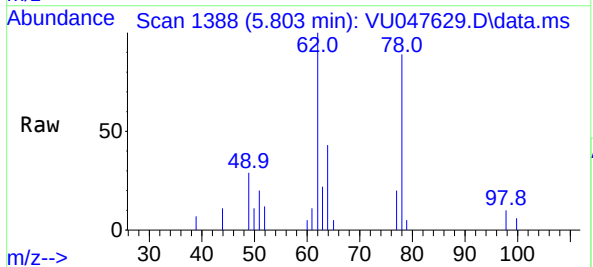
Manual Integrations
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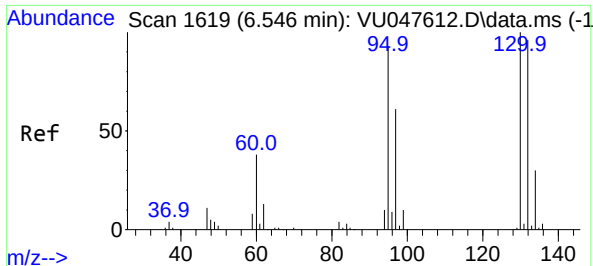
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022



#36
1,2-Dichloroethane
Concen: 0.403 ug/l
RT: 5.803 min Scan# 1388
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

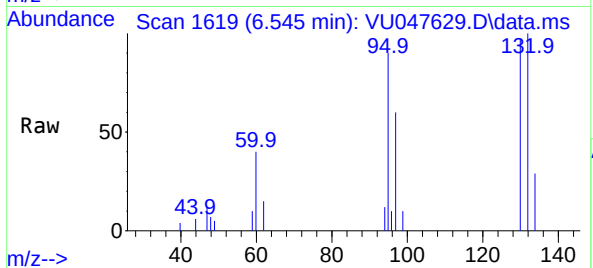
Tgt Ion: 62 Resp: 4486
Ion Ratio Lower Upper
62 100
98 7.9 7.3 10.9





#37
Trichloroethene
Concen: 0.410 ug/l
RT: 6.545 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

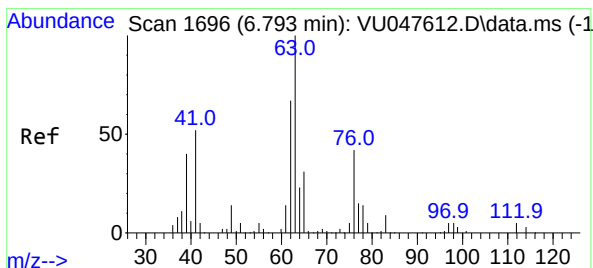
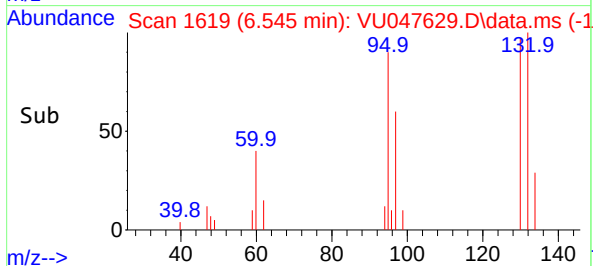
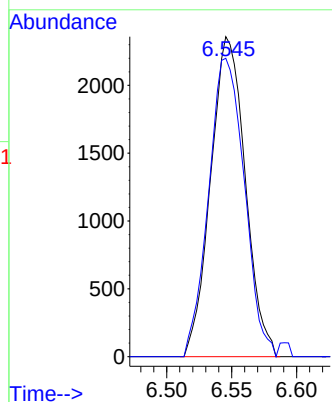
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion:130 Resp: 4360
Ion Ratio Lower Upper
130 100
95 93.3 83.8 125.8

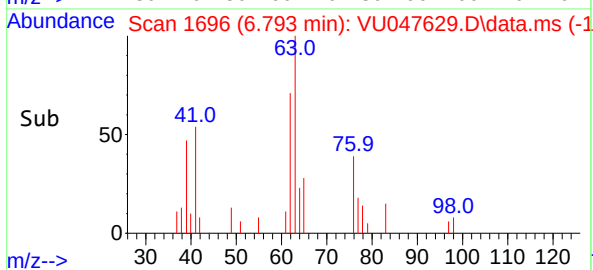
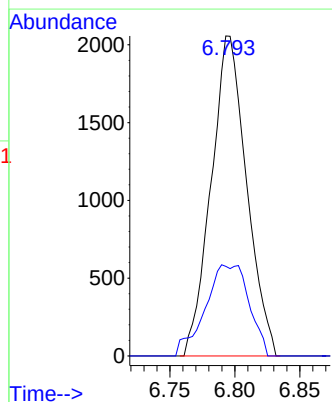
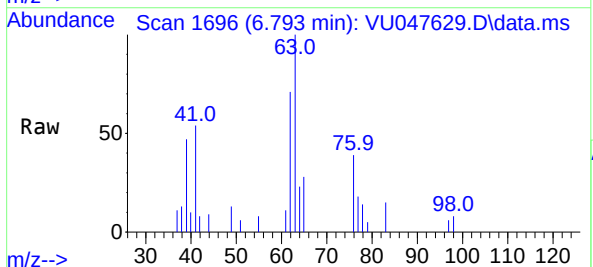
Manual Integrations
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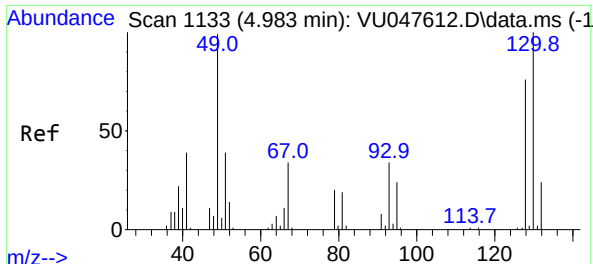
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022



#38
1,2-Dichloropropane
Concen: 0.412 ug/l
RT: 6.793 min Scan# 1696
Delta R.T. -0.000 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

Tgt Ion: 63 Resp: 3907
Ion Ratio Lower Upper
63 100
65 28.0 24.7 37.1





#39

Methacrylonitrile

Concen: 0.396 ug/l

RT: 4.992 min Scan# 1136

Delta R.T. 0.009 min

Lab File: VU047629.D

Acq: 21 Mar 2022 15:47

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2022

Tgt Ion: 41 Resp: 1052

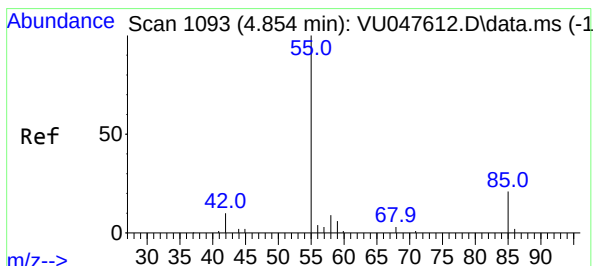
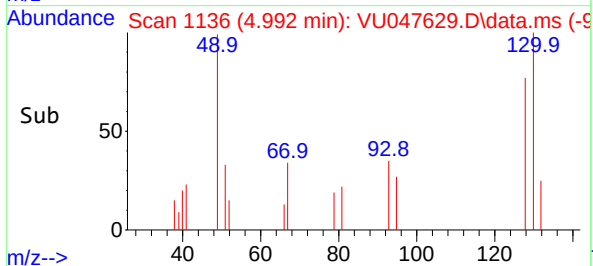
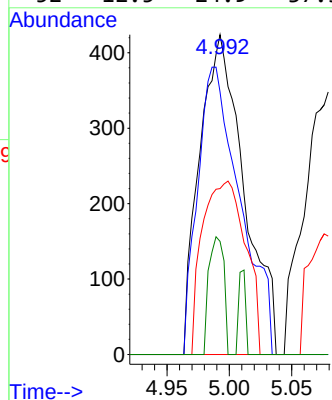
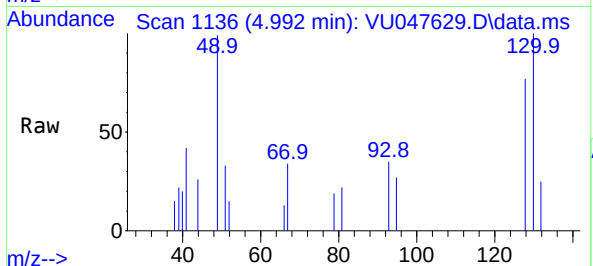
Ion	Ratio	Lower	Upper
41	100		
67	85.8	65.2	97.8
39	0.0	43.0	64.6
52	12.5	24.9	37.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/22/2022

Supervised By :Mahesh Dadoda 04/01/2022



#40

Methyl acrylate

Concen: 0.415 ug/l

RT: 4.874 min Scan# 1099

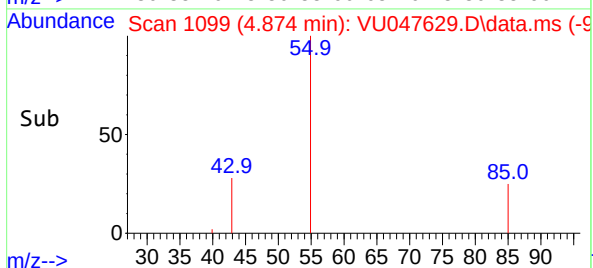
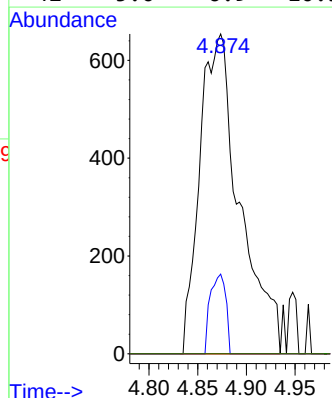
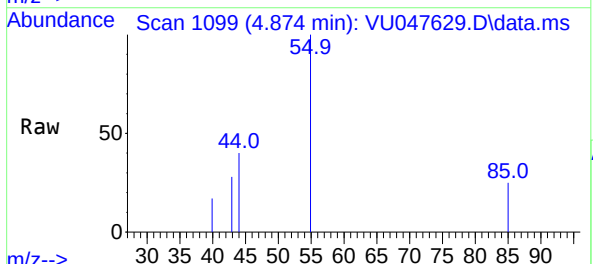
Delta R.T. 0.019 min

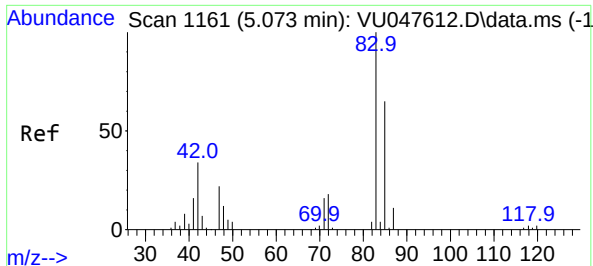
Lab File: VU047629.D

Acq: 21 Mar 2022 15:47

Tgt Ion: 55 Resp: 1863

Ion	Ratio	Lower	Upper
55	100		
85	9.7	12.2	18.2
58	0.0	6.7	10.1
42	5.0	6.9	10.3





#41

Tetrahydrofuran

Concen: 0.899 ug/l

RT: 5.083 min Scan# 1161

Delta R.T. 0.009 min

Lab File: VU047629.D

Acq: 21 Mar 2022 15:47

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2022

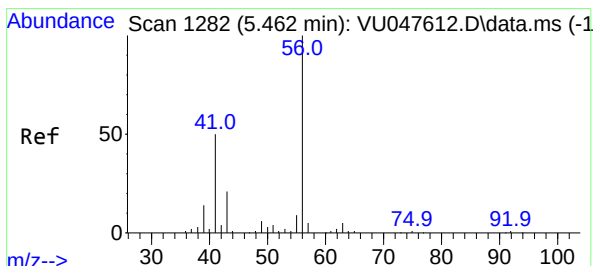
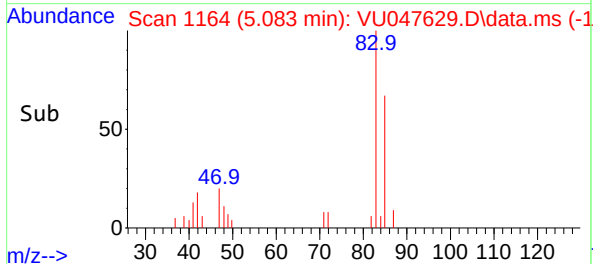
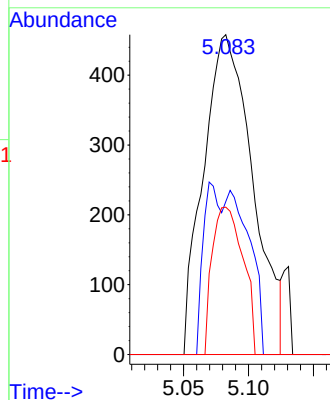
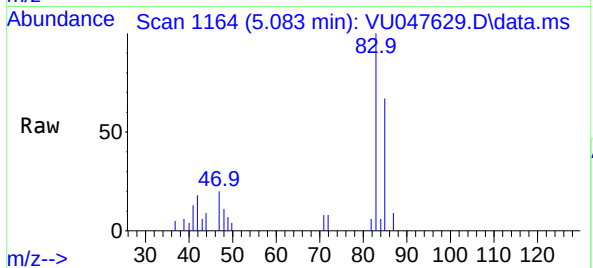
Tgt Ion:	42	Resp:	121
Ion	Ratio	Lower	Upper
42	100		
72	19.6	42.4	63.6
71	28.7	36.4	54.6

Manual Integrations

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Reviewed By :John Carlone 03/22/2022

Supervised By :Mahesh Dadoda 04/01/2022



#42

1-Chlorobutane

Concen: 0.413 ug/l

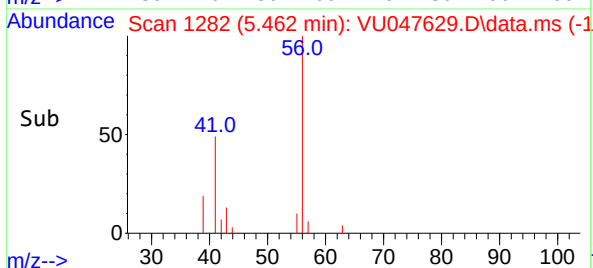
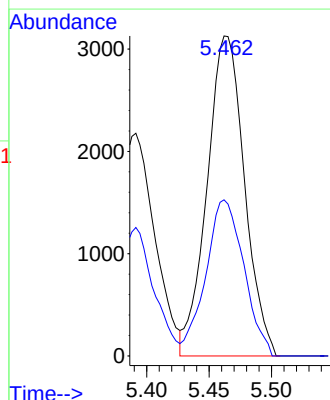
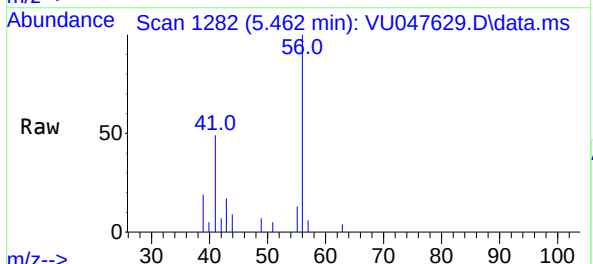
RT: 5.462 min Scan# 1282

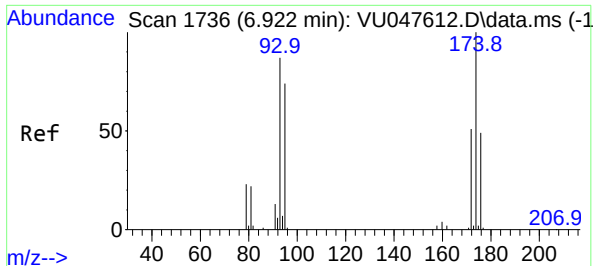
Delta R.T. -0.000 min

Lab File: VU047629.D

Acq: 21 Mar 2022 15:47

Tgt Ion:	56	Resp:	6543
Ion	Ratio	Lower	Upper
56	100		
41	49.7	26.0	78.0





#43

Dibromomethane

Concen: 0.409 ug/l

RT: 6.922 min Scan# 1736

Delta R.T. -0.000 min

Lab File: VU047629.D

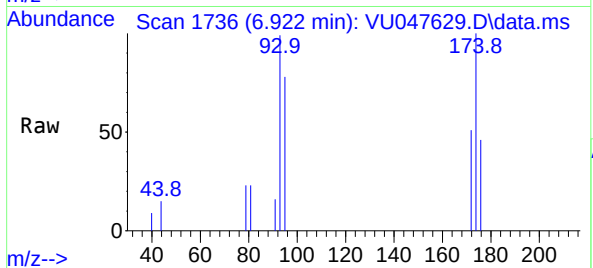
Acq: 21 Mar 2022 15:47

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2022



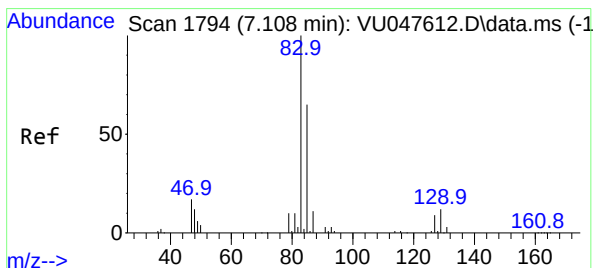
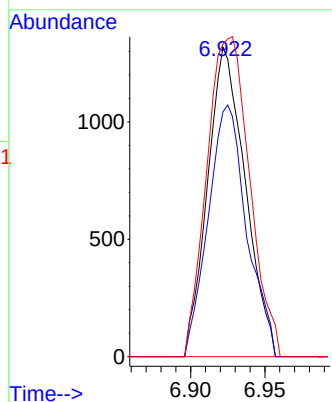
Tgt Ion: 93 Resp: 2320

Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.2	99.2
174	117.5	70.7	106.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/22/2022

Supervised By :Mahesh Dadoda 04/01/2022



#44

Bromodichloromethane

Concen: 0.433 ug/l

RT: 7.111 min Scan# 1795

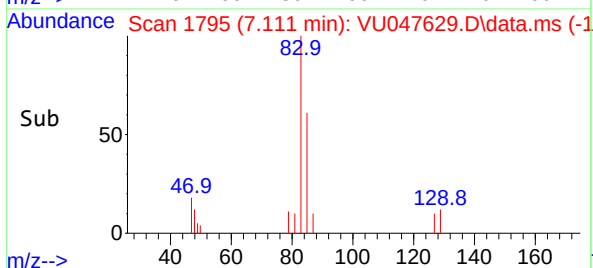
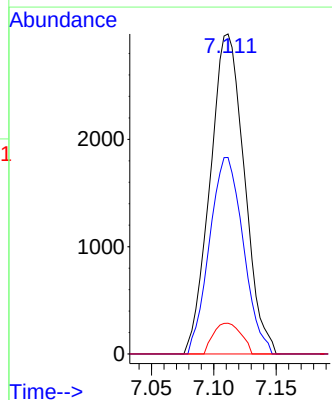
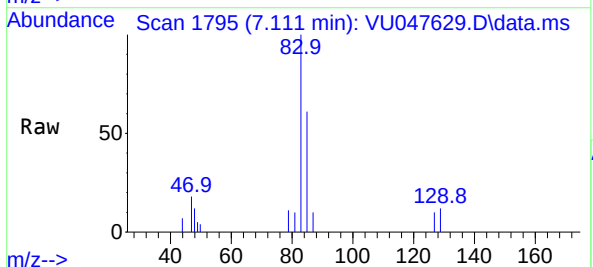
Delta R.T. 0.003 min

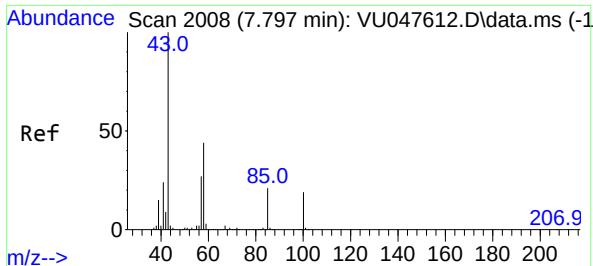
Lab File: VU047629.D

Acq: 21 Mar 2022 15:47

Tgt Ion: 83 Resp: 5706

Ion	Ratio	Lower	Upper
83	100		
85	61.4	50.9	76.3
127	9.6	6.0	9.0





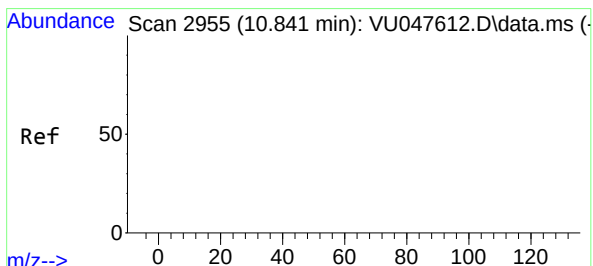
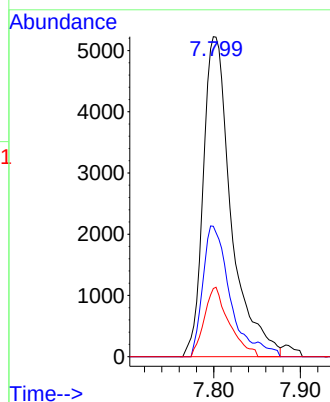
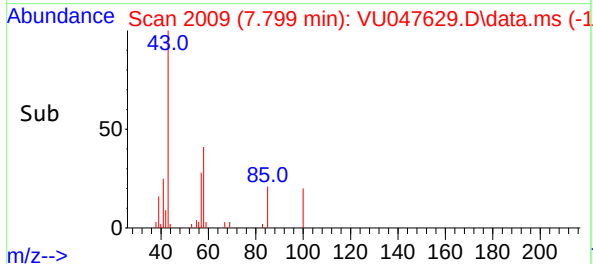
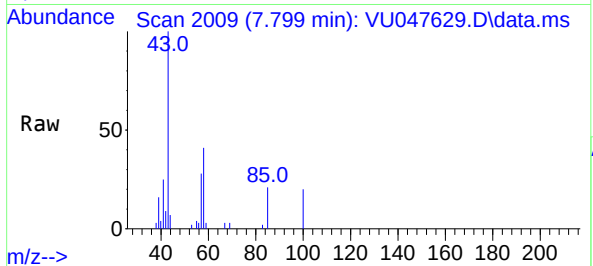
#45
4-Methyl-2-Pentanone
Concen: 2.061 ug/l
RT: 7.799 min Scan# 2008
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022

Tgt Ion:	43	Resp:	1170
Ion	Ratio	Lower	Upper
43	100		
58	40.2	21.0	63.0
85	19.2	14.8	22.2

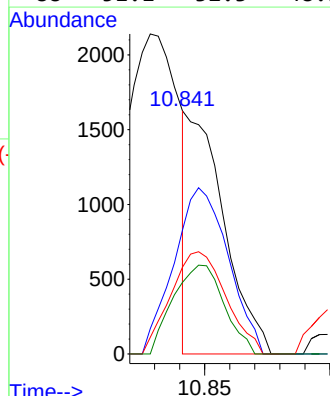
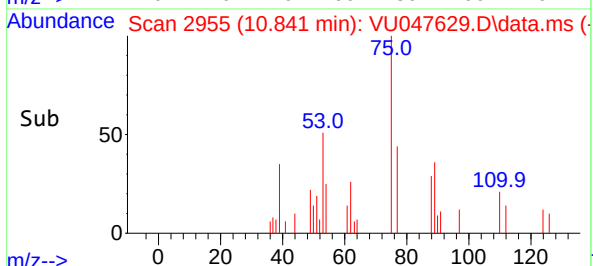
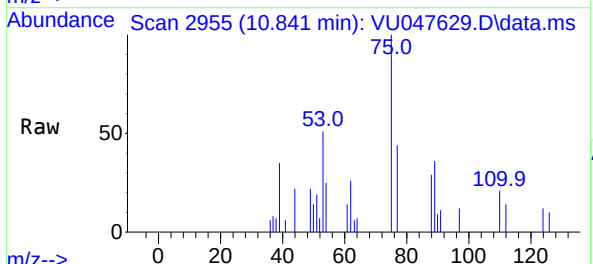
Manual Integrations
APPROVED

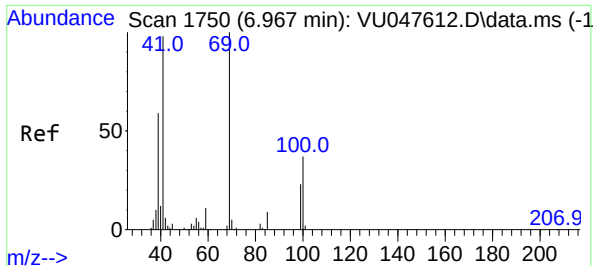
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022



#46
t-1,4-Dichloro-2-butene
Concen: 0.667 ug/l m
RT: 10.841 min Scan# 2955
Delta R.T. -0.000 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

Tgt Ion:	75	Resp:	1645
Ion	Ratio	Lower	Upper
75	100		
53	101.9	66.8	100.2#
89	63.7	41.7	62.5#
88	51.1	32.3	48.5#





#47

Methyl methacrylate

Concen: 0.715 ug/l

RT: 6.967 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VU047629.D

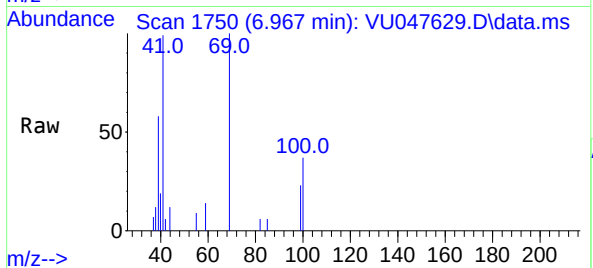
Acq: 21 Mar 2022 15:47

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2022



Tgt Ion: 69 Resp: 328

Ion Ratio Lower Upper

69 100

41 108.6 0.0 230.0

39 65.7 55.1 82.7

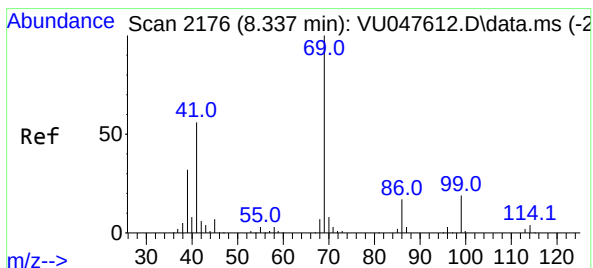
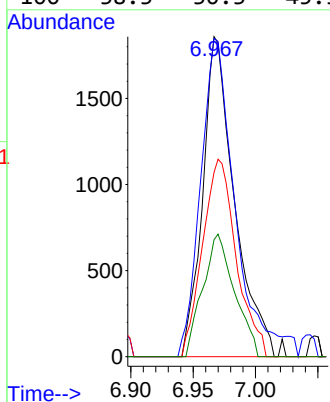
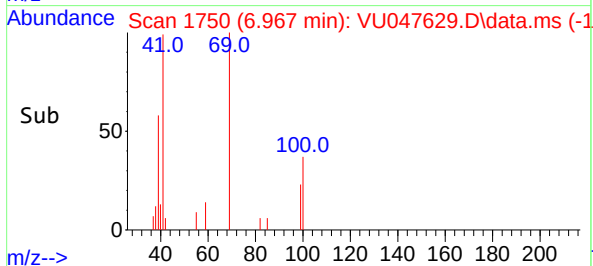
100 38.3 30.3 45.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/22/2022

Supervised By :Mahesh Dadoda 04/01/2022



#48

Ethyl methacrylate

Concen: 0.354 ug/l

RT: 8.340 min Scan# 2177

Delta R.T. 0.003 min

Lab File: VU047629.D

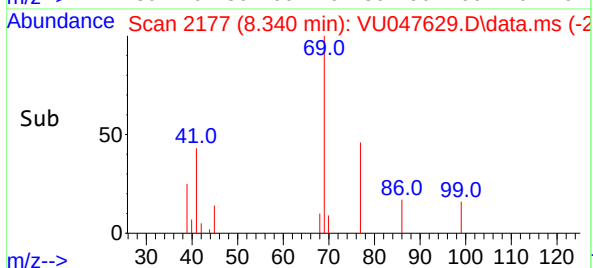
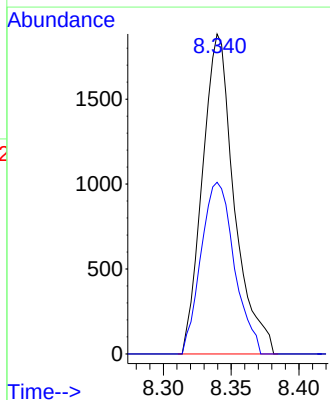
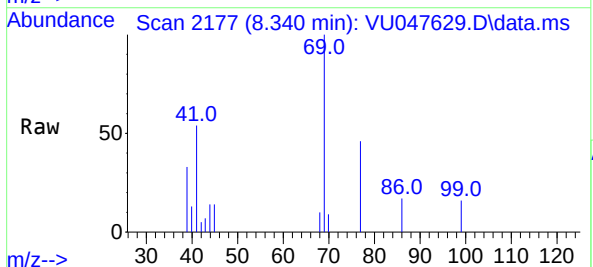
Acq: 21 Mar 2022 15:47

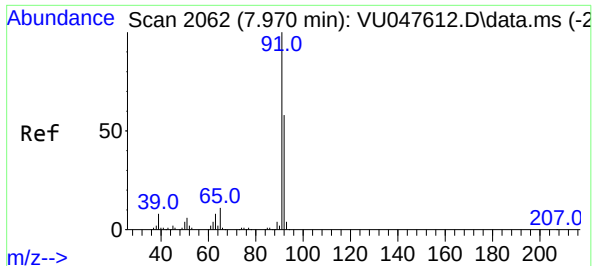
Tgt Ion: 69 Resp: 3067

Ion Ratio Lower Upper

69 100

41 56.2 32.6 98.0





#49

Toluene

Concen: 0.380 ug/l

RT: 7.973 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU047629.D

Acq: 21 Mar 2022 15:47

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2022

Tgt Ion: 92 Resp: 860

Ion Ratio Lower Upper

92 100

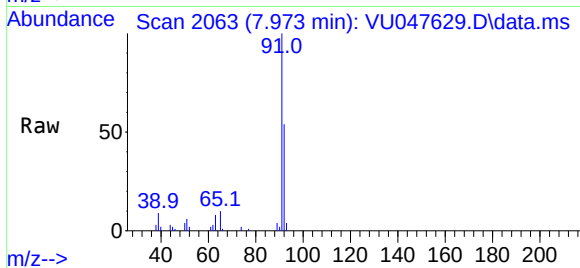
91 182.3 136.8 205.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/22/2022

Supervised By :Mahesh Dadoda 04/01/2022



Abundance

8000

6000

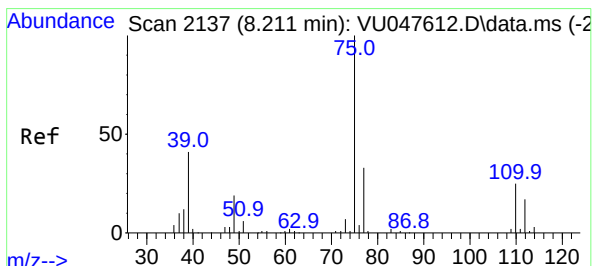
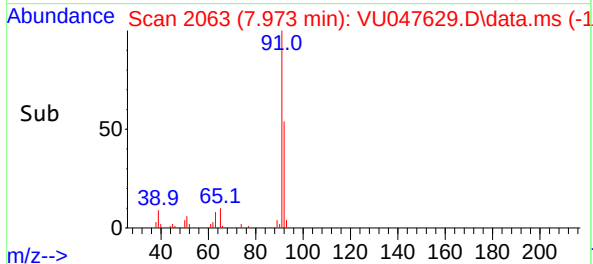
4000

2000

0

7.973

Time-->



#50

t-1,3-Dichloropropene

Concen: 0.407 ug/l

RT: 8.217 min Scan# 2139

Delta R.T. 0.006 min

Lab File: VU047629.D

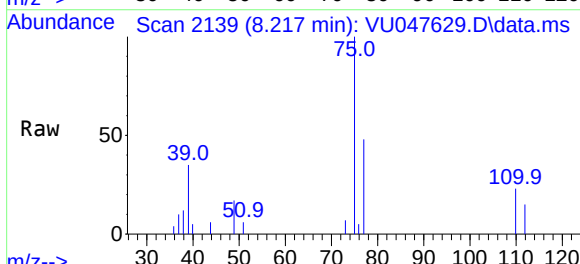
Acq: 21 Mar 2022 15:47

Tgt Ion: 75 Resp: 4970

Ion Ratio Lower Upper

75 100

77 48.4 25.6 38.4#



Abundance

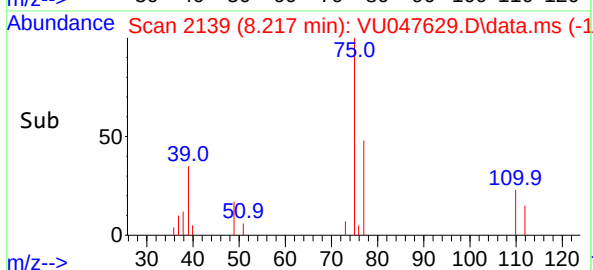
2000

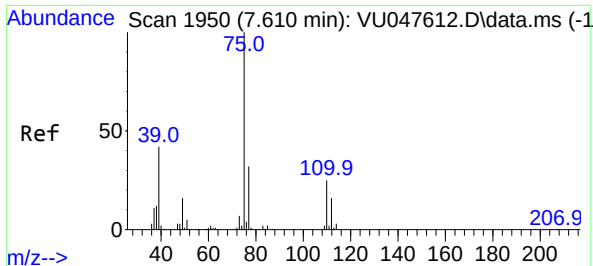
1000

0

8.217

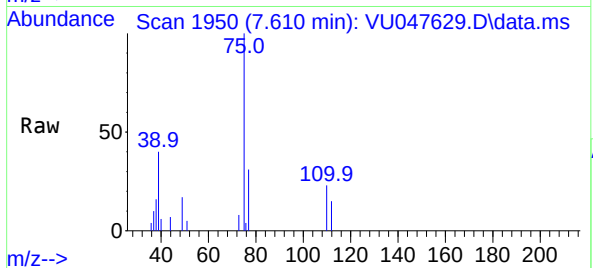
Time-->





#51
 cis-1,3-Dichloropropene
 Concen: 0.398 ug/l
 RT: 7.610 min Scan# 1950
 Delta R.T. -0.000 min
 Lab File: VU047629.D
 Acq: 21 Mar 2022 15:47

Instrument : MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2022

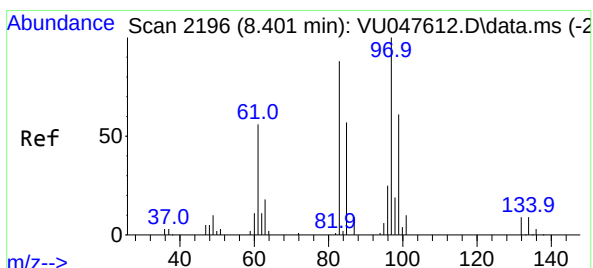
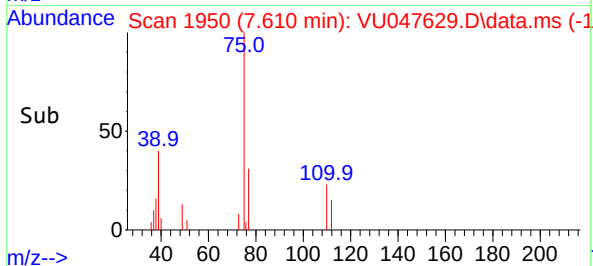
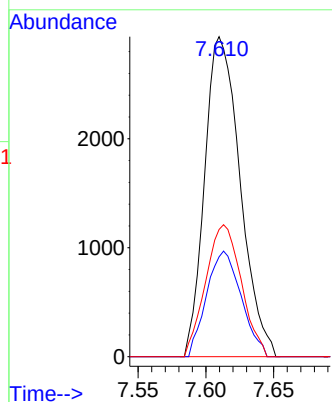


Tgt Ion: 75 Resp: 535

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.2	37.8
39	39.7	38.6	57.8

Manual Integrations
 APPROVED

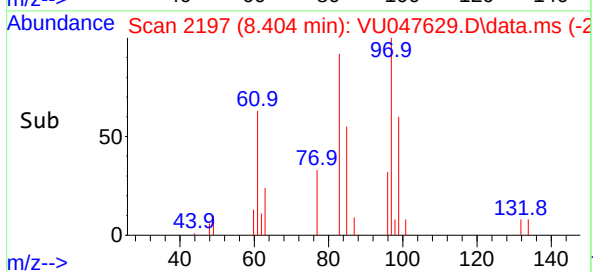
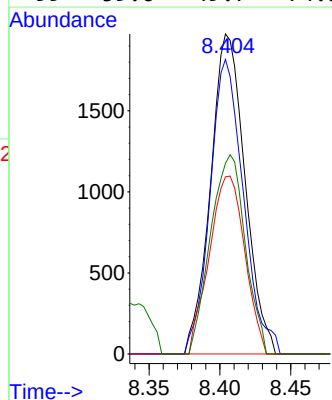
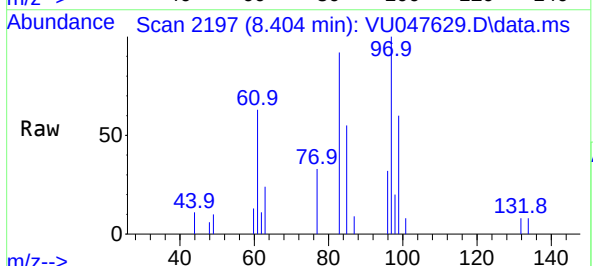
Reviewed By :John Carlone 03/22/2022
 Supervised By :Mahesh Dadoda 04/01/2022

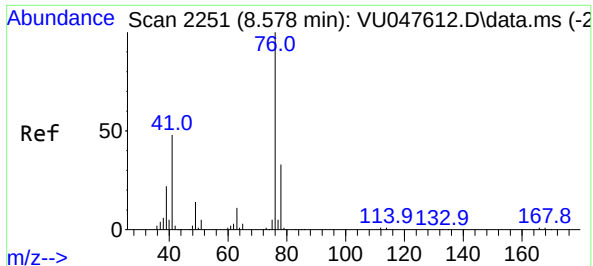


#52
 1,1,2-Trichloroethane
 Concen: 0.422 ug/l
 RT: 8.404 min Scan# 2197
 Delta R.T. 0.003 min
 Lab File: VU047629.D
 Acq: 21 Mar 2022 15:47

Tgt Ion: 97 Resp: 3341

Ion	Ratio	Lower	Upper
97	100		
83	92.0	69.8	104.8
85	55.4	44.2	66.4
99	59.6	49.7	74.5





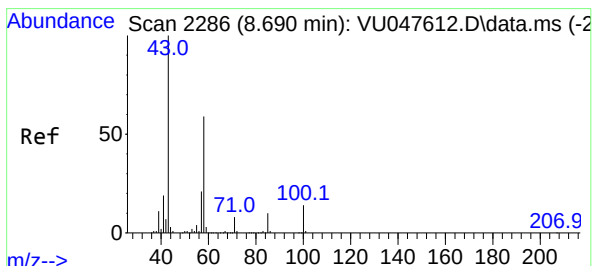
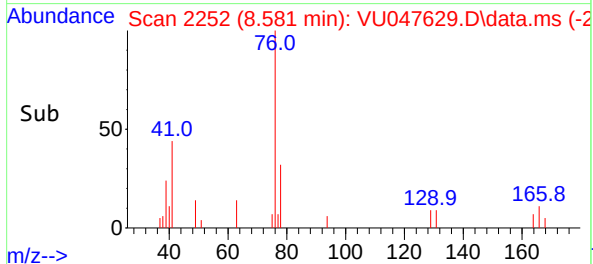
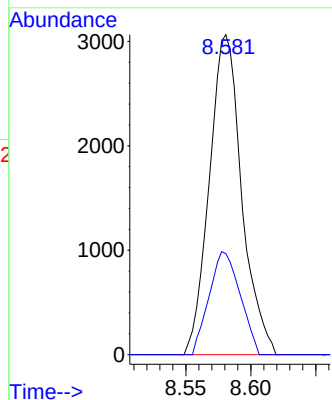
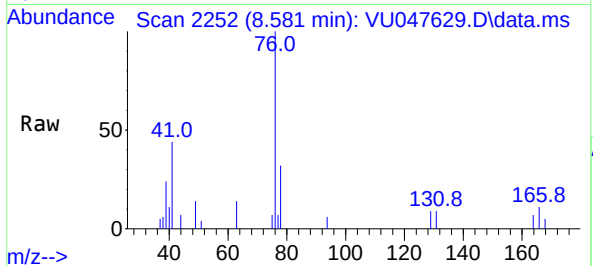
#53
1,3-Dichloropropane
Concen: 0.412 ug/l
RT: 8.581 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022

Tgt Ion: 76 Resp: 5308
Ion Ratio Lower Upper
76 100
78 30.8 25.4 38.2

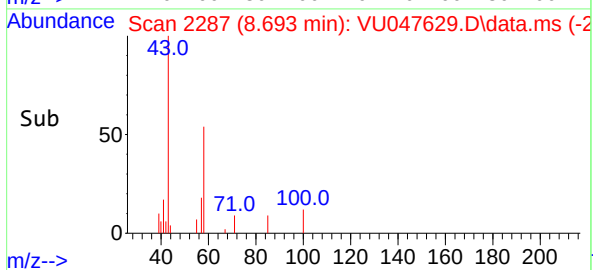
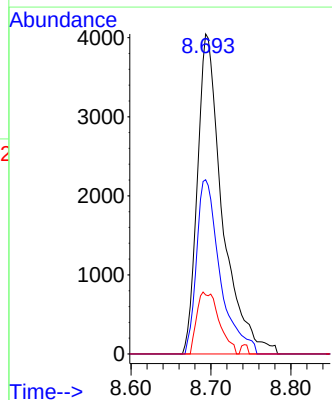
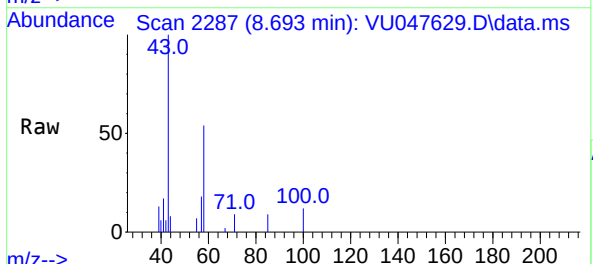
Manual Integrations
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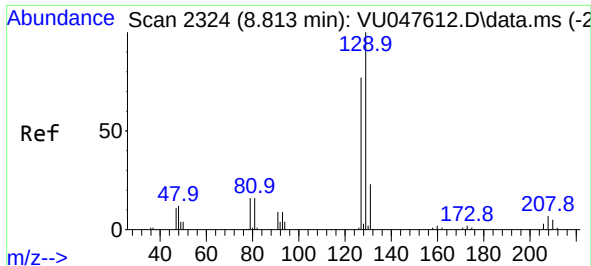
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022



#54
2-Hexanone
Concen: 2.115 ug/l
RT: 8.693 min Scan# 2287
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

Tgt Ion: 43 Resp: 8774
Ion Ratio Lower Upper
43 100
58 51.5 37.7 77.7
57 17.3 0.5 40.5





#55

Dibromochloromethane

Concen: 0.396 ug/l

RT: 8.812 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU047629.D

Acq: 21 Mar 2022 15:47

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2022

Tgt Ion:129 Resp: 3960

Ion Ratio Lower Upper

129 100

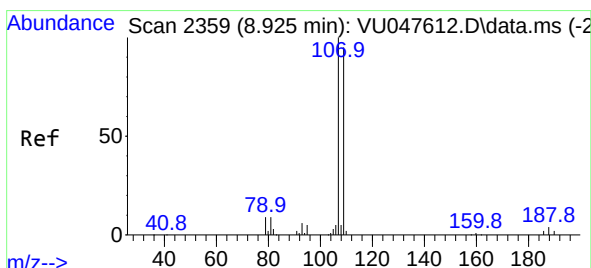
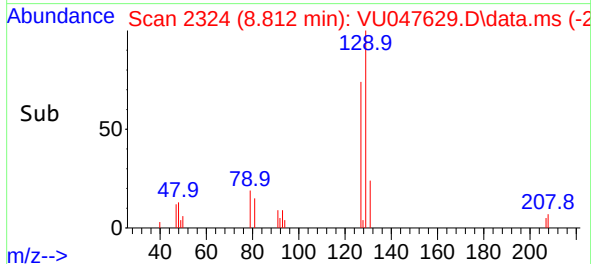
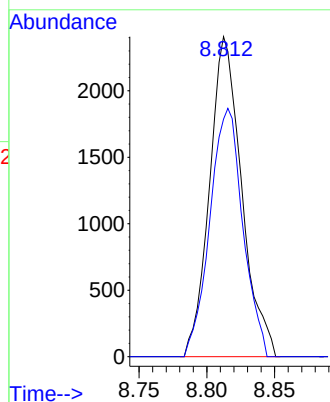
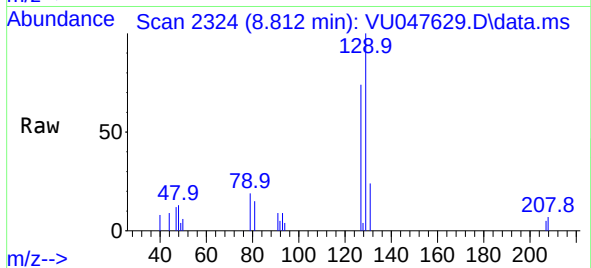
127 79.6 62.2 93.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/22/2022

Supervised By :Mahesh Dadoda 04/01/2022



#56

1,2-Dibromoethane

Concen: 0.415 ug/l

RT: 8.925 min Scan# 2359

Delta R.T. -0.000 min

Lab File: VU047629.D

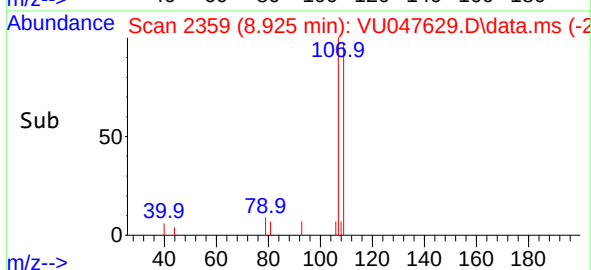
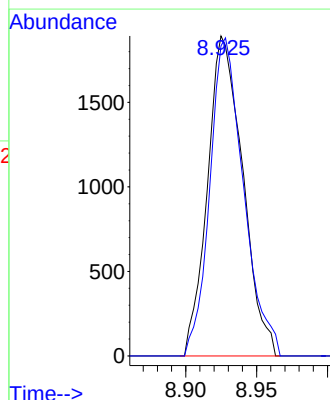
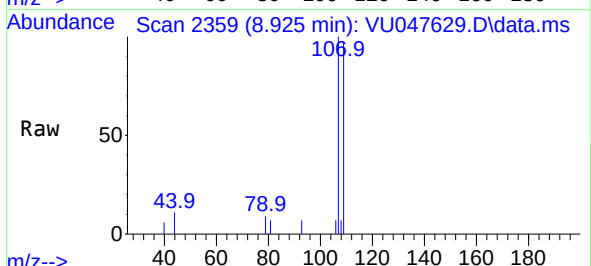
Acq: 21 Mar 2022 15:47

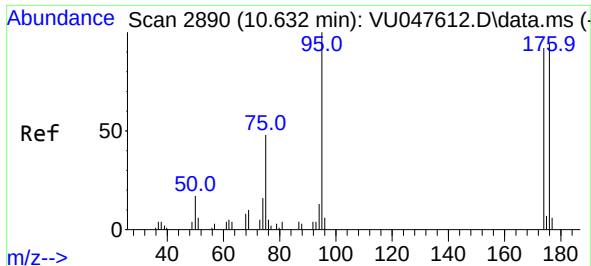
Tgt Ion:107 Resp: 3269

Ion Ratio Lower Upper

107 100

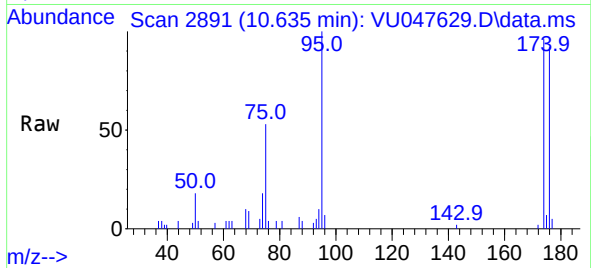
109 95.1 0.0 185.0





#57
4-Bromofluorobenzene
Concen: 0.926 ug/l
RT: 10.635 min Scan# 2890
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

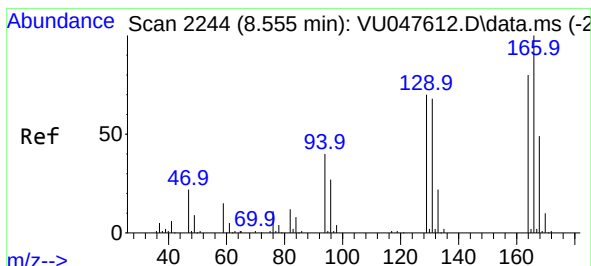
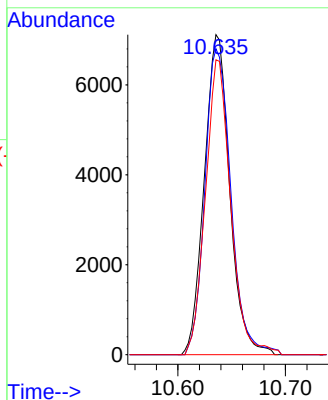
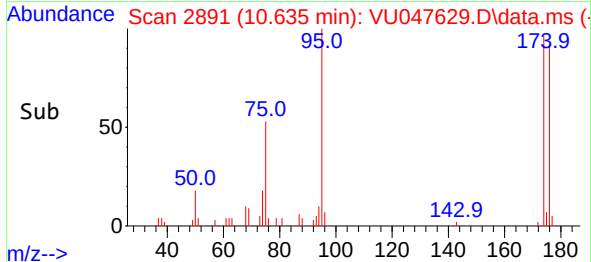
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022



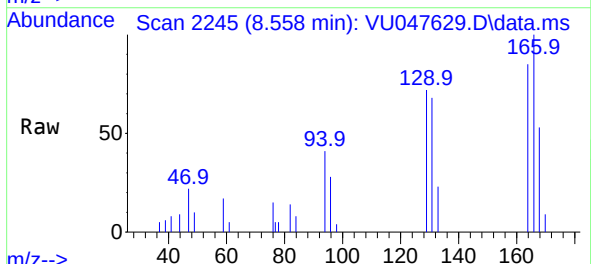
Tgt Ion: 95 Resp: 1169
Ion Ratio Lower Upper
95 100
174 97.7 56.6 84.8
176 91.4 54.3 81.5

Manual Integrations
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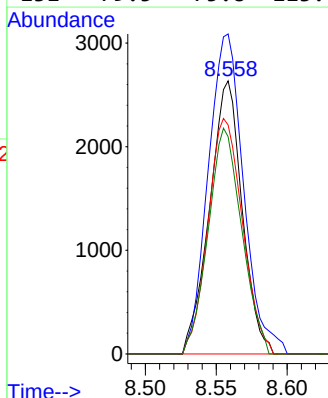
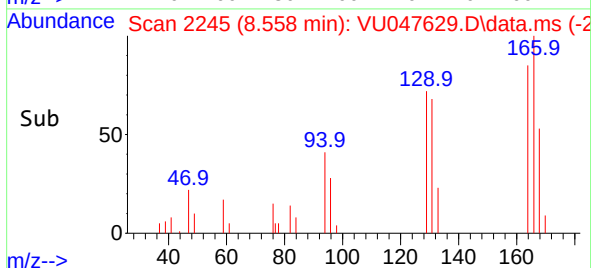
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022

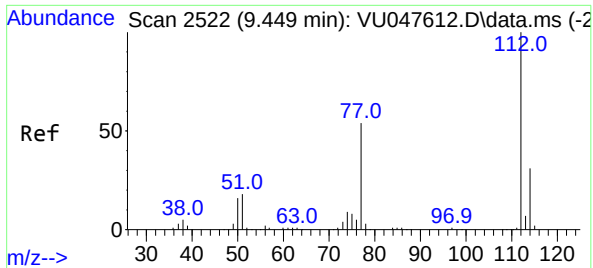


#58
Tetrachloroethene
Concen: 0.430 ug/l
RT: 8.558 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47



Tgt Ion:164 Resp: 4220
Ion Ratio Lower Upper
164 100
166 117.1 102.0 153.0
129 83.8 77.1 115.7
131 79.5 75.8 113.6





#59

Chlorobenzene

Concen: 0.409 ug/l

RT: 9.452 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU047629.D

Acq: 21 Mar 2022 15:47

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2022

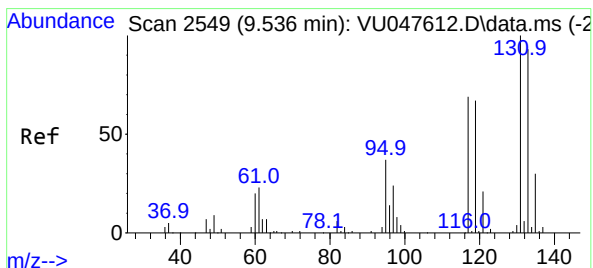
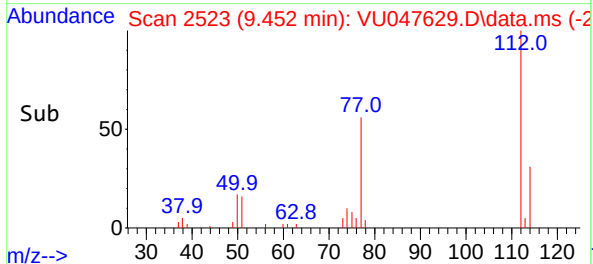
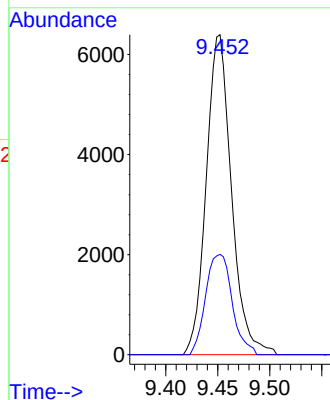
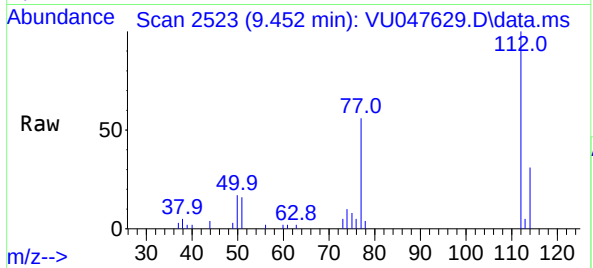
Tgt Ion:112 Resp: 1079
 Ion Ratio Lower Upper
 112 100
 114 31.3 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/22/2022

Supervised By :Mahesh Dadoda 04/01/2022



#60

1,1,1,2-Tetrachloroethane

Concen: 0.416 ug/l

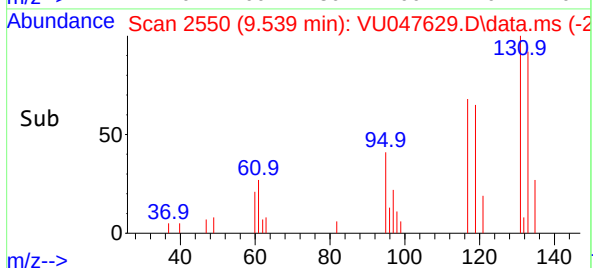
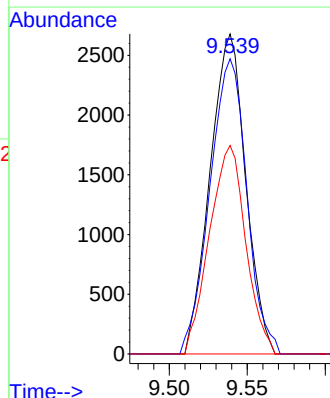
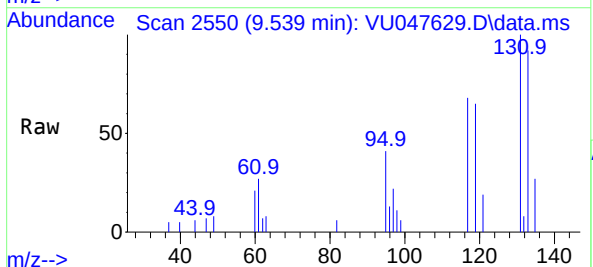
RT: 9.539 min Scan# 2550

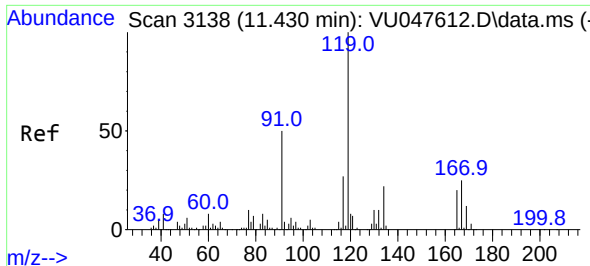
Delta R.T. 0.003 min

Lab File: VU047629.D

Acq: 21 Mar 2022 15:47

Tgt Ion:131 Resp: 4256
 Ion Ratio Lower Upper
 131 100
 133 95.8 76.0 114.0
 119 66.3 54.9 82.3





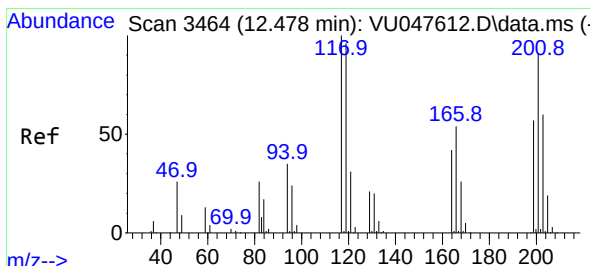
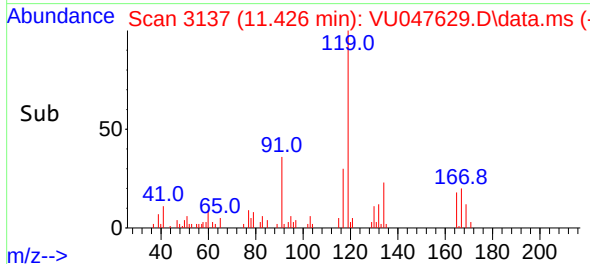
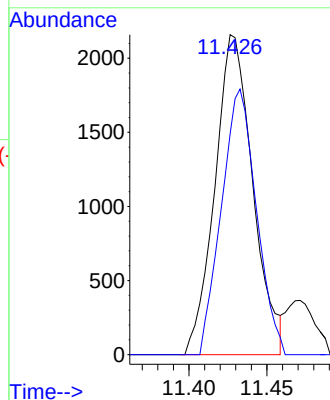
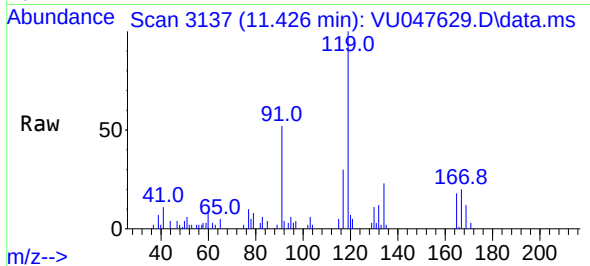
#61
 Pentachloroethane
 Concen: 0.421 ug/l
 RT: 11.426 min Scan# 3138
 Delta R.T. -0.003 min
 Lab File: VU047629.D
 Acq: 21 Mar 2022 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2022

Tgt Ion:117 Resp: 365
 Ion Ratio Lower Upper
 117 100
 167 76.4 59.7 89.5

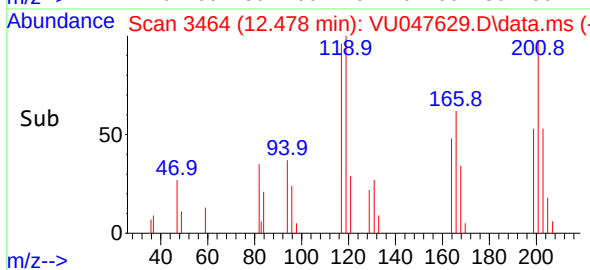
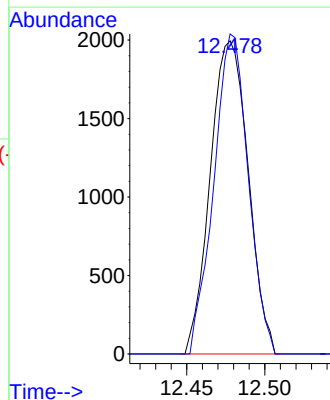
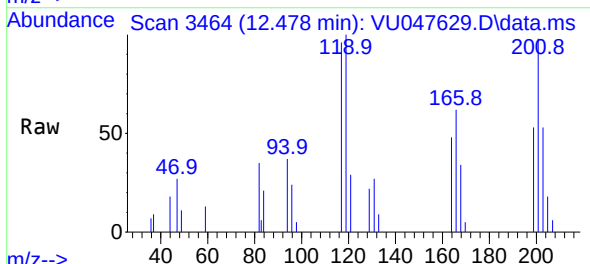
Manual Integrations
 APPROVED

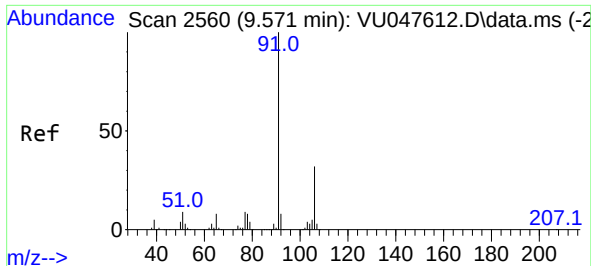
Reviewed By :John Carlone 03/22/2022
 Supervised By :Mahesh Dadoda 04/01/2022



#62
 Hexachloroethane
 Concen: 0.393 ug/l
 RT: 12.478 min Scan# 3464
 Delta R.T. -0.000 min
 Lab File: VU047629.D
 Acq: 21 Mar 2022 15:47

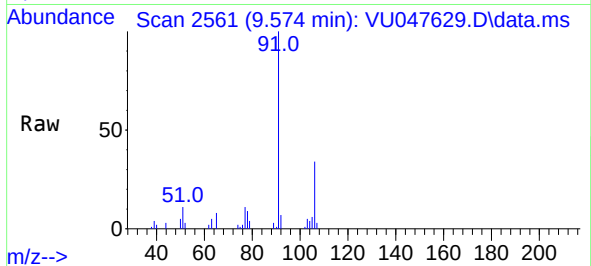
Tgt Ion:117 Resp: 3380
 Ion Ratio Lower Upper
 117 100
 201 92.5 53.6 80.4#





#63
Ethyl Benzene
Concen: 0.369 ug/l
RT: 9.574 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

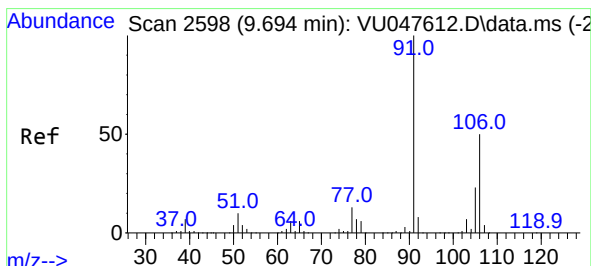
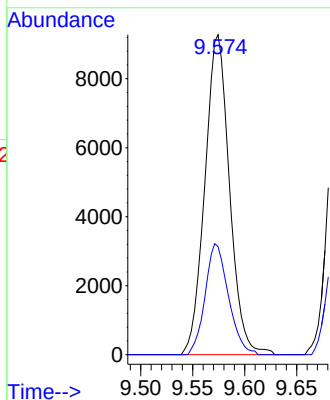
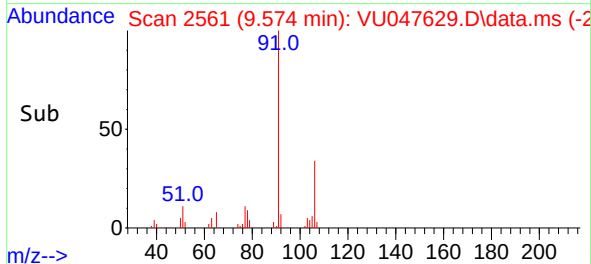
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022



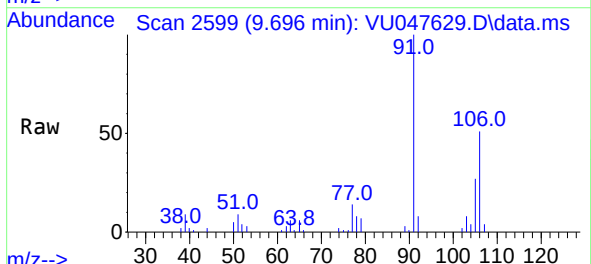
Tgt Ion: 91 Resp: 15260
Ion Ratio Lower Upper
91 100
106 33.8 24.4 36.6

Manual Integrations
APPROVED

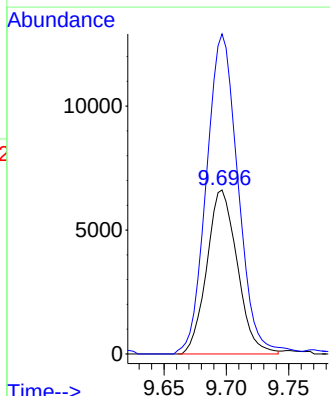
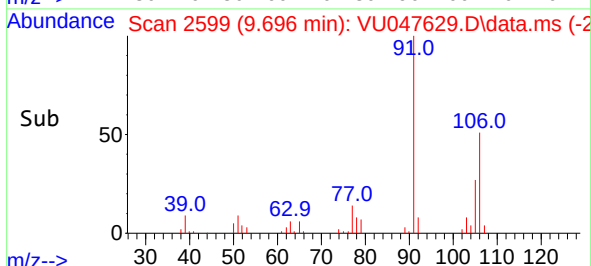
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022

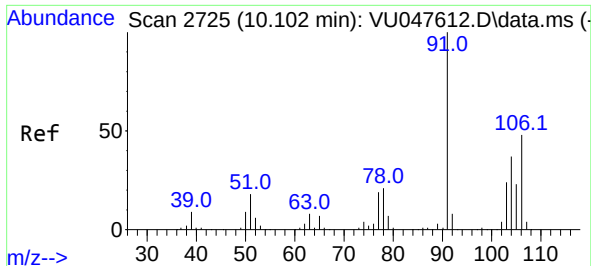


#64
m/p-Xylenes
Concen: 0.687 ug/l
RT: 9.696 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47



Tgt Ion:106 Resp: 11259
Ion Ratio Lower Upper
106 100
91 202.7 165.5 248.3





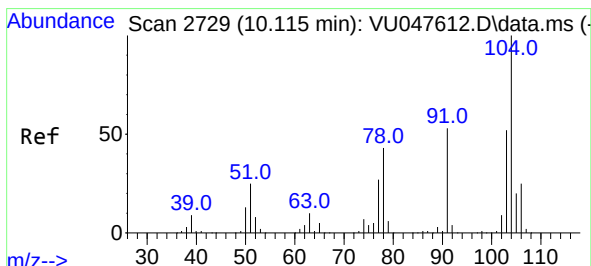
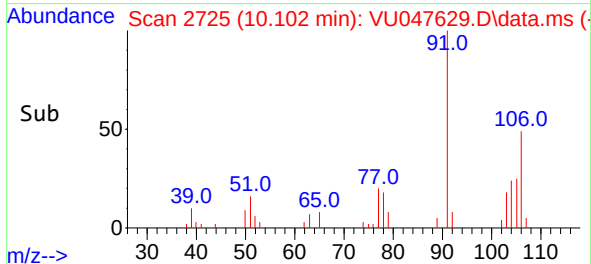
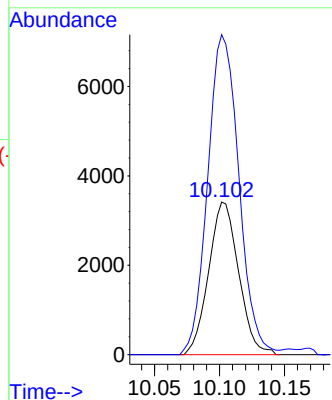
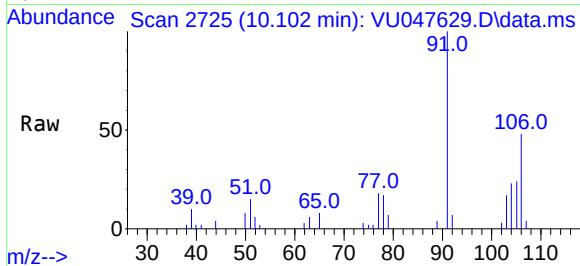
#65
o-Xylene
Concen: 0.353 ug/l
RT: 10.102 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022

Tgt Ion:106 Resp: 5474
Ion Ratio Lower Upper
106 100
91 218.4 109.4 328.2

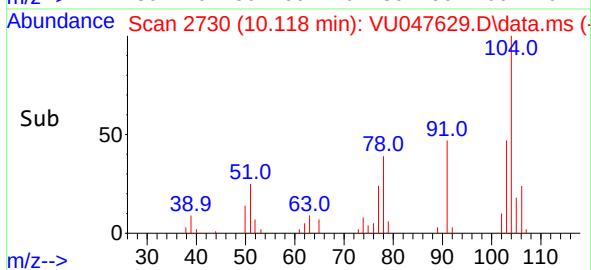
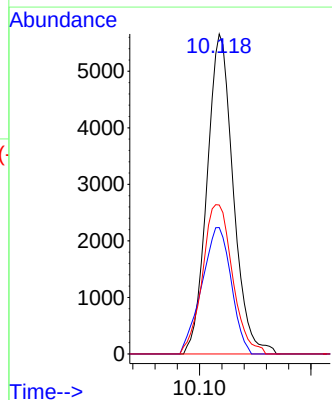
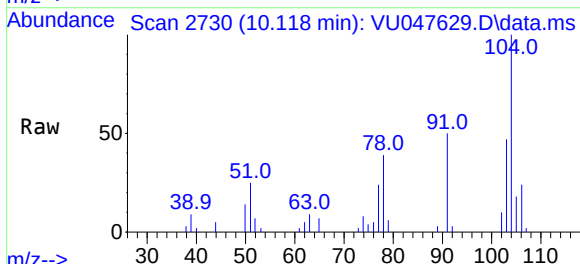
Manual Integrations
APPROVED

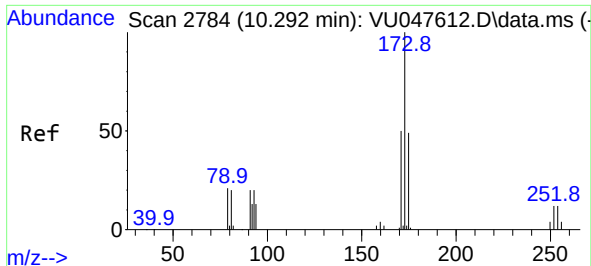
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022



#66
Styrene
Concen: 0.345 ug/l
RT: 10.118 min Scan# 2730
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

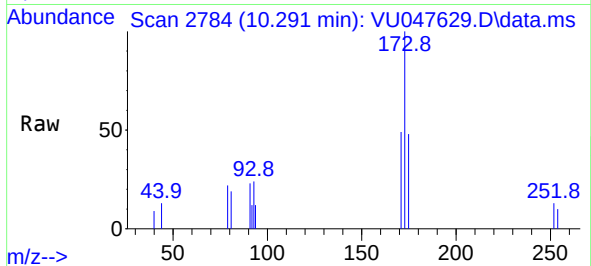
Tgt Ion:104 Resp: 9236
Ion Ratio Lower Upper
104 100
78 44.2 42.4 63.6
103 53.4 44.2 66.4





#67
Bromoform
Concen: 0.402 ug/l
RT: 10.291 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

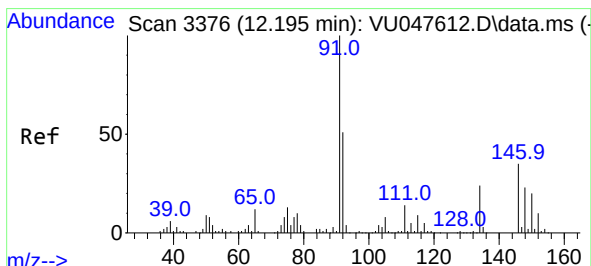
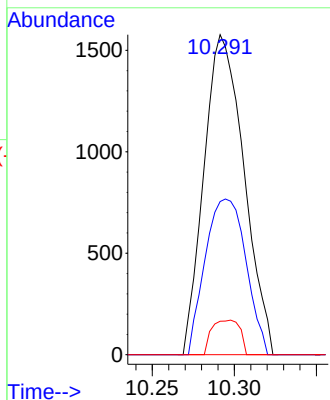
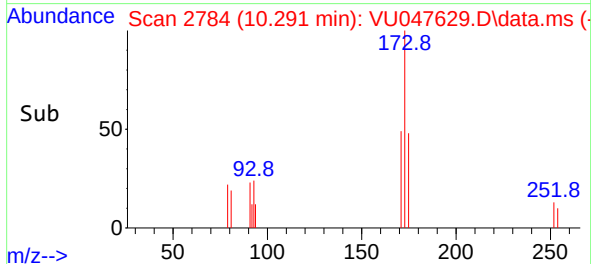
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022



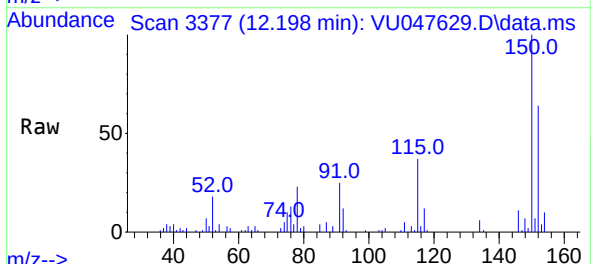
Tgt Ion:173 Resp: 267
Ion Ratio Lower Upper
173 100
175 49.5 39.0 58.4
254 7.6 5.5 8.3

Manual Integrations
APPROVED

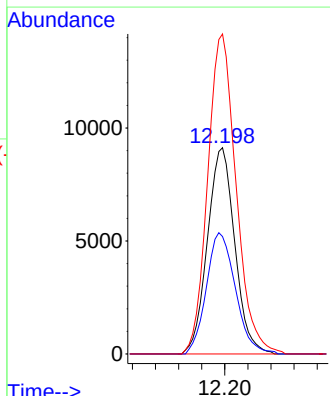
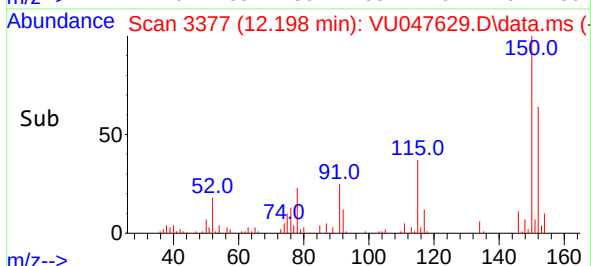
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022

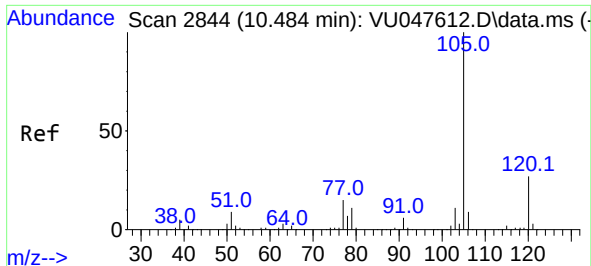


#68
1,2-Dichlorobenzene-d4
Concen: 0.982 ug/l
RT: 12.198 min Scan# 3377
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47



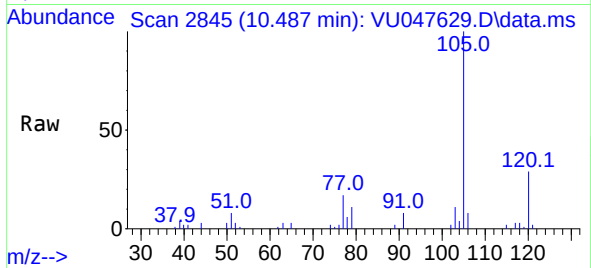
Tgt Ion:152 Resp: 15036
Ion Ratio Lower Upper
152 100
115 62.3 0.0 251.0
150 161.2 0.0 613.8





#69
Isopropylbenzene
Concen: 0.348 ug/l
RT: 10.487 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

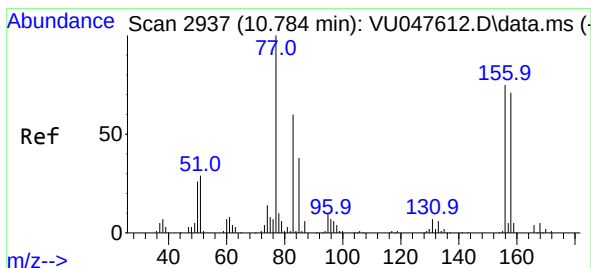
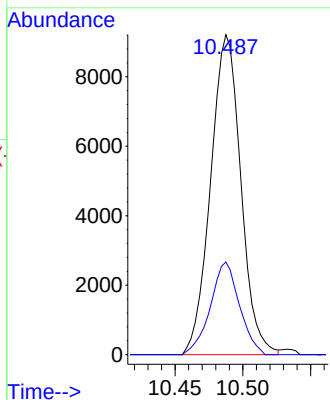
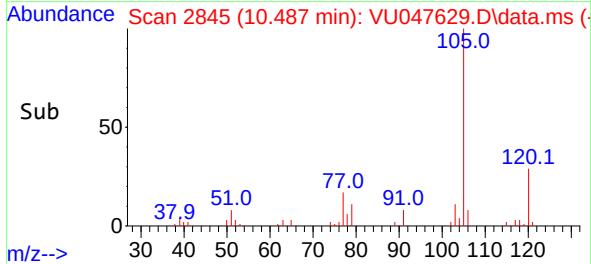
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022



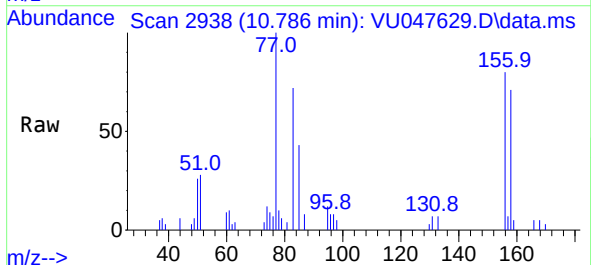
Tgt Ion:105 Resp: 1429
Ion Ratio Lower Upper
105 100
120 27.9 12.8 38.4

Manual Integrations
APPROVED

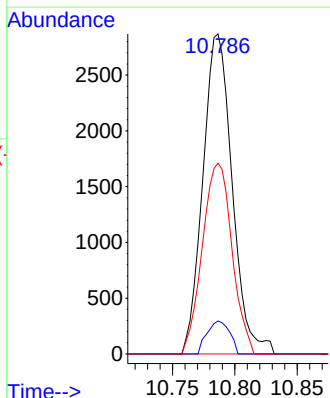
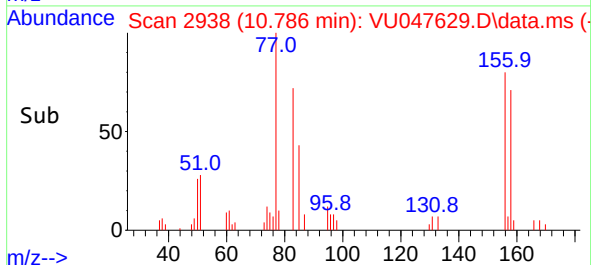
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022

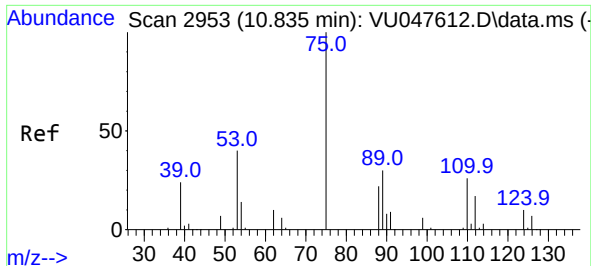


#70
1,1,2,2-Tetrachloroethane
Concen: 0.446 ug/l
RT: 10.786 min Scan# 2938
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47



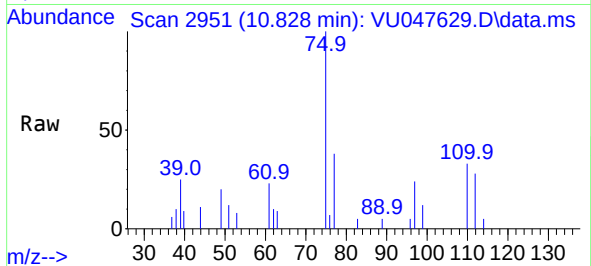
Tgt Ion: 83 Resp: 4700
Ion Ratio Lower Upper
83 100
131 7.9 7.6 11.4
85 60.0 50.9 76.3





#71
1,2,3-Trichloropropane
Concen: 0.459 ug/l m
RT: 10.828 min Scan# 2951
Delta R.T. -0.007 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

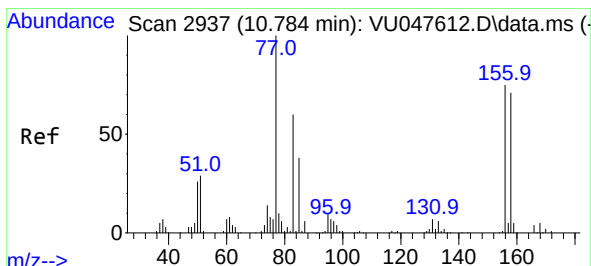
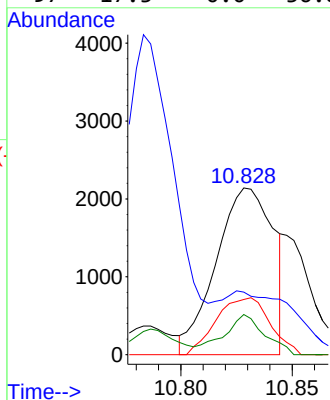
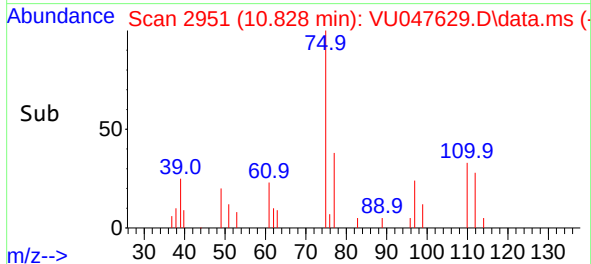
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022



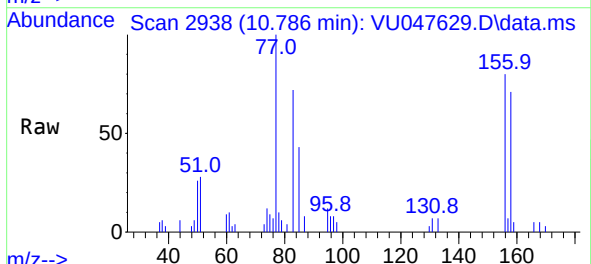
Tgt Ion: 75	Resp: 3819
Ion Ratio	Lower Upper
75 100	
77 21.2	0.0 105.6
110 32.1	0.0 71.2
97 17.3	0.0 36.8

Manual Integrations
APPROVED

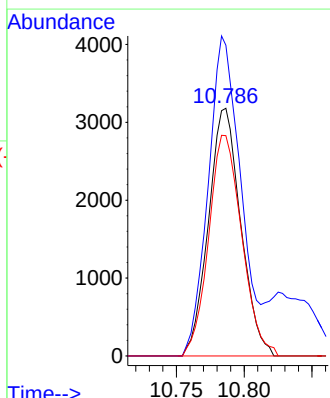
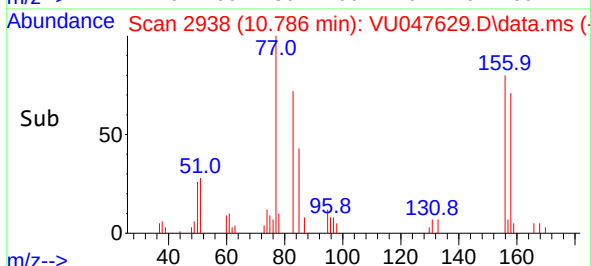
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022

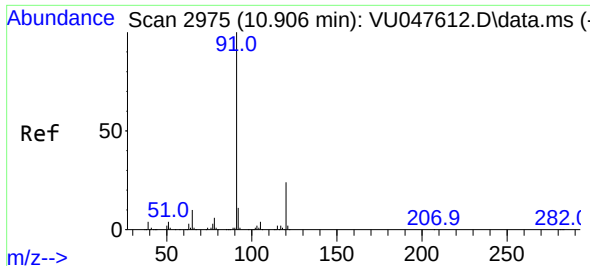


#72
Bromobenzene
Concen: 0.427 ug/l
RT: 10.786 min Scan# 2938
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47



Tgt Ion: 156	Resp: 5263
Ion Ratio	Lower Upper
156 100	
77 129.4	0.0 370.6
158 91.4	0.0 193.4





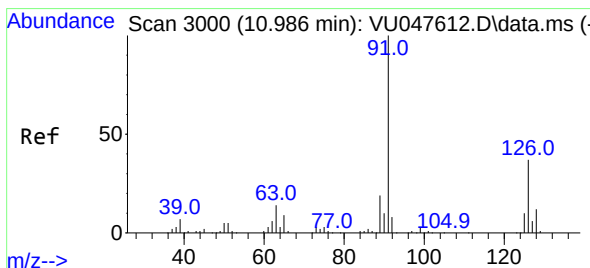
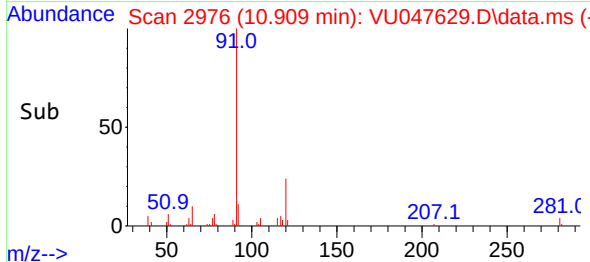
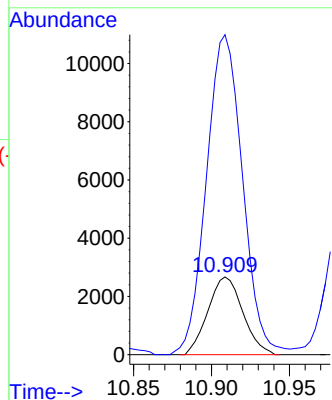
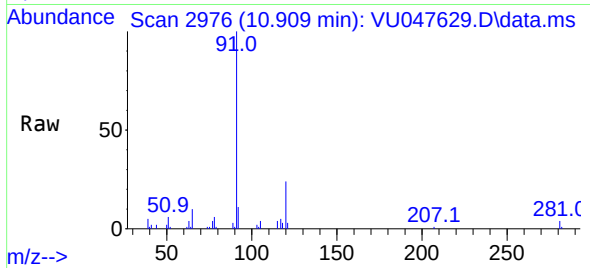
#73
n-propylbenzene
Concen: 0.349 ug/l
RT: 10.909 min Scan# 2975
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022

Tgt Ion:120 Resp: 4154
Ion Ratio Lower Upper
120 100
91 426.6 370.7 556.1

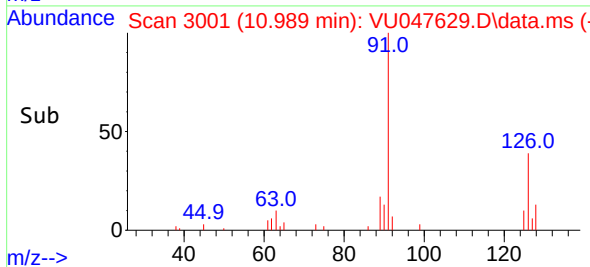
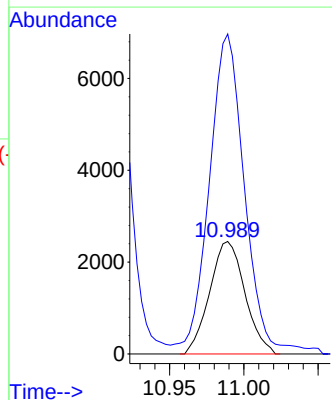
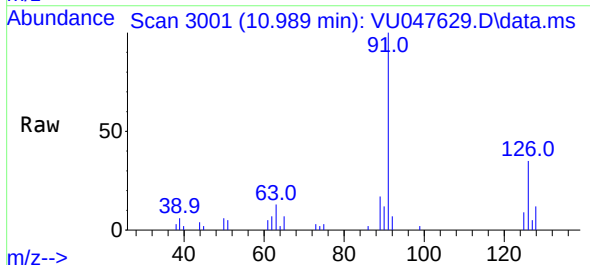
Manual Integrations
APPROVED

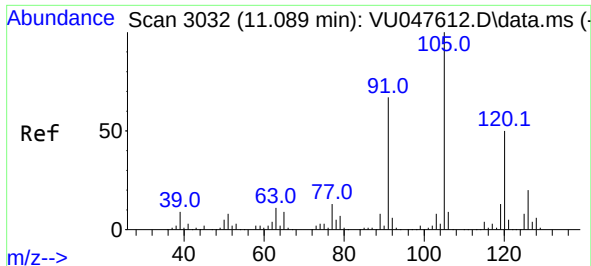
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022



#74
2-Chlorotoluene
Concen: 0.369 ug/l
RT: 10.989 min Scan# 3001
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

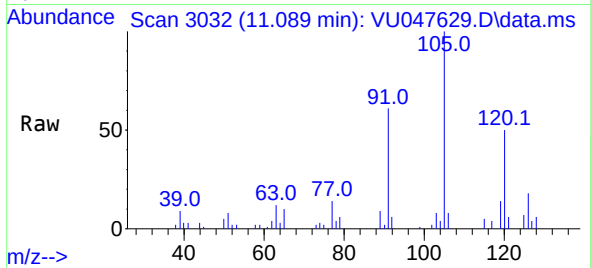
Tgt Ion:126 Resp: 4043
Ion Ratio Lower Upper
126 100
91 285.6 0.0 639.6





#75
1,3,5-Trimethylbenzene
Concen: 0.624 ug/l
RT: 11.089 min Scan# 3032
Delta R.T. -0.000 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

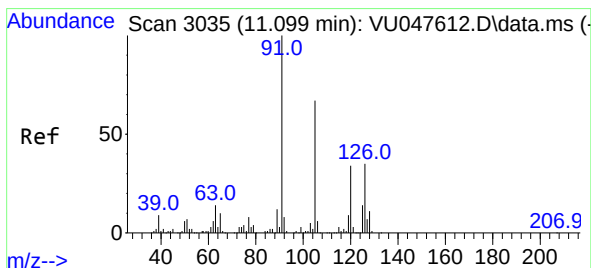
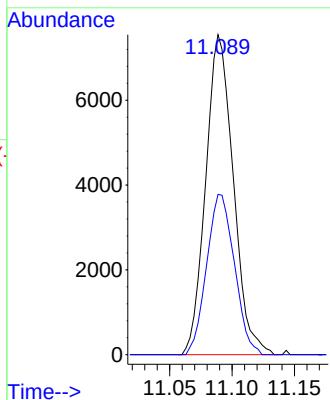
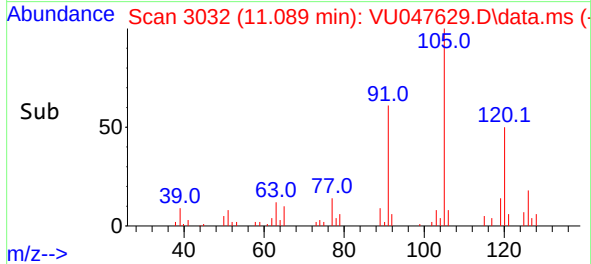
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022



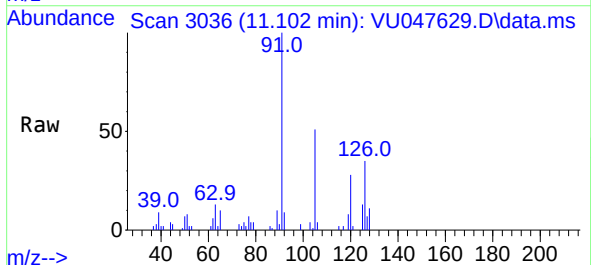
Tgt Ion:105 Resp: 11648
Ion Ratio Lower Upper
105 100
120 50.4 38.6 58.0

Manual Integrations
APPROVED

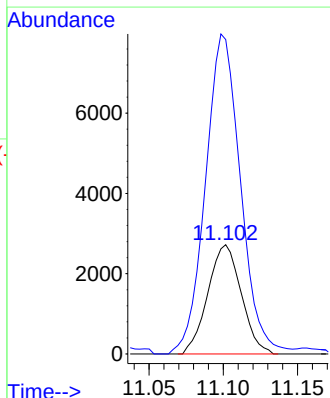
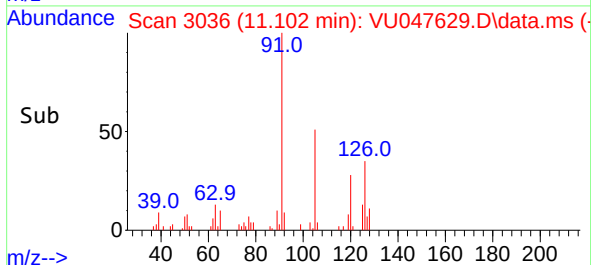
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022

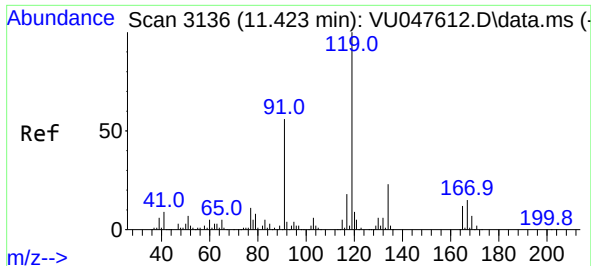


#76
4-Chlorotoluene
Concen: 0.365 ug/l
RT: 11.102 min Scan# 3036
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47



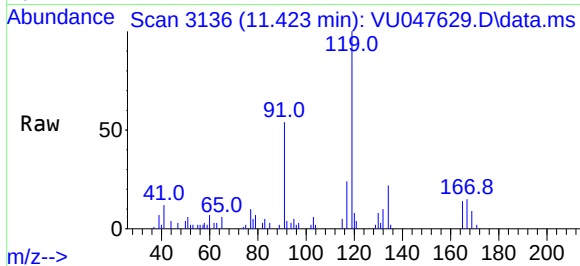
Tgt Ion:126 Resp: 4255
Ion Ratio Lower Upper
126 100
91 307.7 0.0 728.0





#77
tert-Butylbenzene
Concen: 0.366 ug/l
RT: 11.423 min Scan# 3136
Delta R.T. -0.000 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

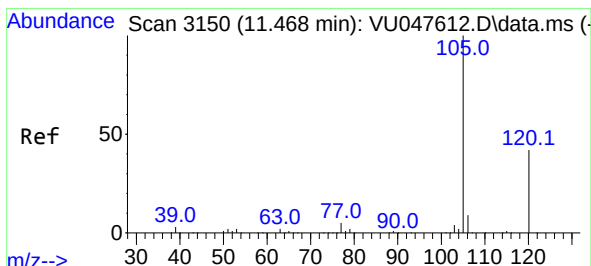
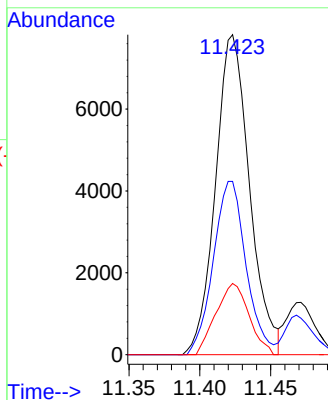
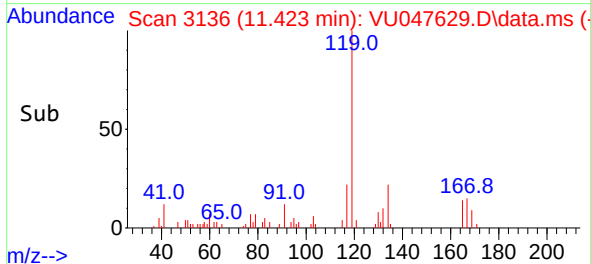
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022



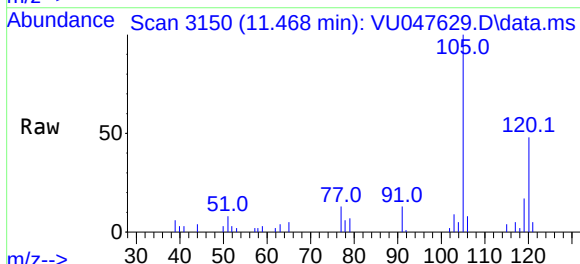
Tgt Ion:119 Resp: 1309
Ion Ratio Lower Upper
119 100
91 52.0 31.4 94.3
134 21.6 18.5 27.7

Manual Integrations
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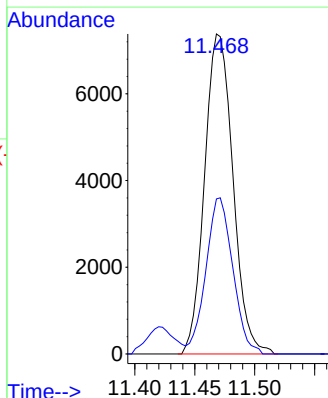
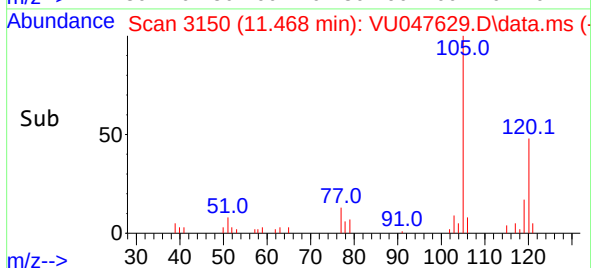
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022

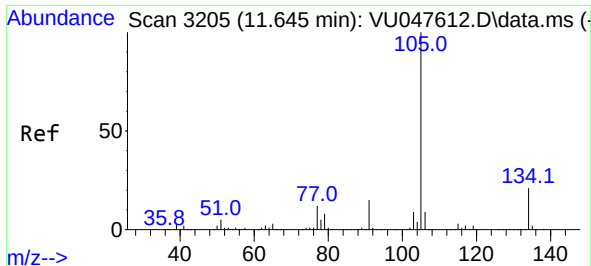


#78
1,2,4-Trimethylbenzene
Concen: 0.627 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47



Tgt Ion:105 Resp: 12135
Ion Ratio Lower Upper
105 100
120 46.3 22.3 66.8





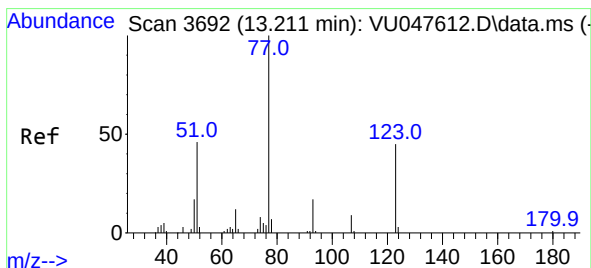
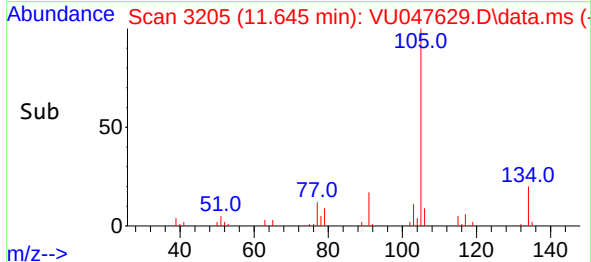
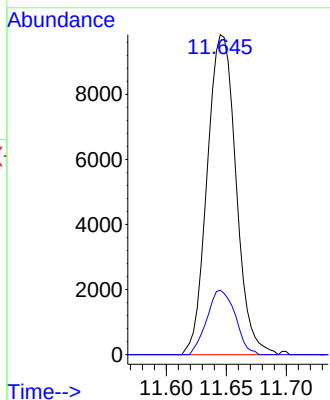
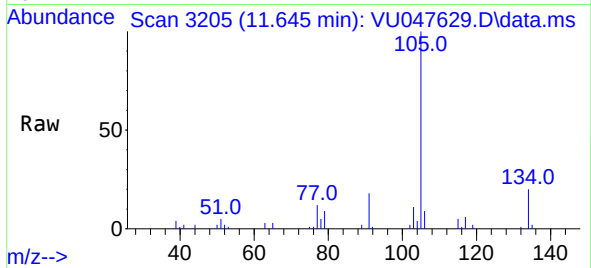
#79
 sec-Butylbenzene
 Concen: 0.352 ug/l
 RT: 11.645 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU047629.D
 Acq: 21 Mar 2022 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2022

Tgt Ion:105 Resp: 16420
 Ion Ratio Lower Upper
 105 100
 134 19.8 15.4 23.0

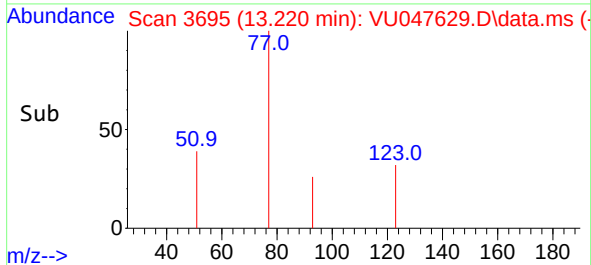
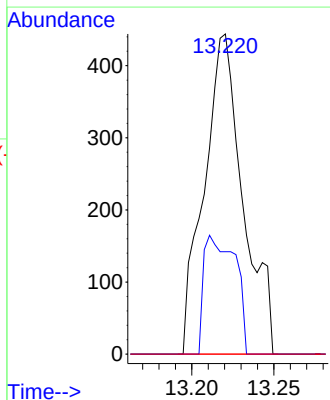
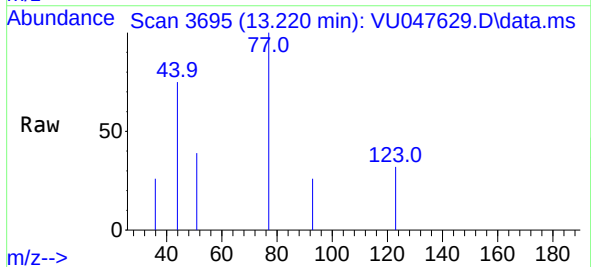
Manual Integrations
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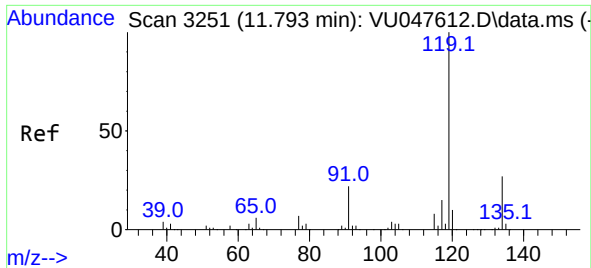
Reviewed By :John Carlone 03/22/2022
 Supervised By :Mahesh Dadoda 04/01/2022



#80
 Nitrobenzene
 Concen: 1.702 ug/l
 RT: 13.220 min Scan# 3695
 Delta R.T. 0.009 min
 Lab File: VU047629.D
 Acq: 21 Mar 2022 15:47

Tgt Ion: 77 Resp: 732
 Ion Ratio Lower Upper
 77 100
 123 29.9 18.2 64.4
 65 0.0 12.0 15.2#





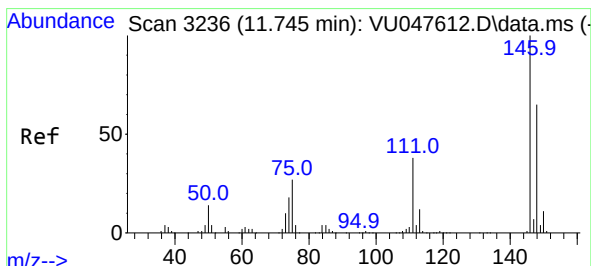
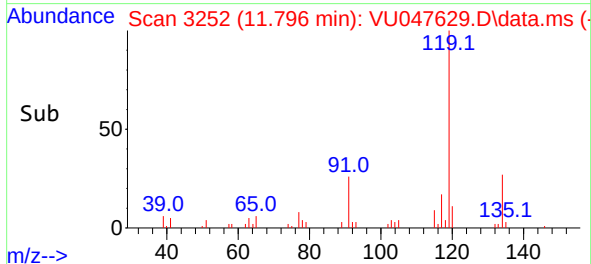
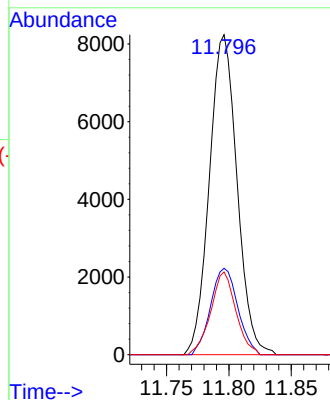
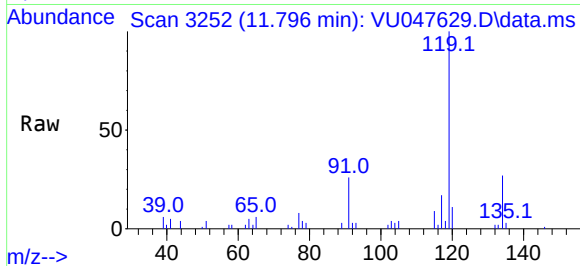
#81
p-Isopropyltoluene
Concen: 0.688 ug/l
RT: 11.796 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022

Tgt Ion:119 Resp: 1272
Ion Ratio Lower Upper
119 100
134 26.6 20.2 30.4
91 23.5 19.9 29.9

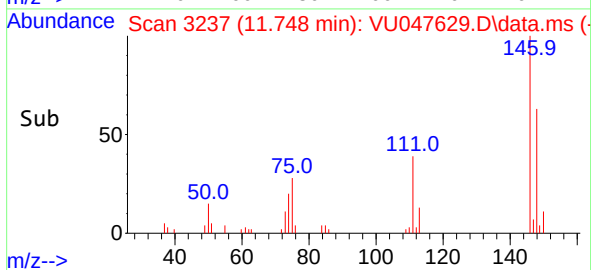
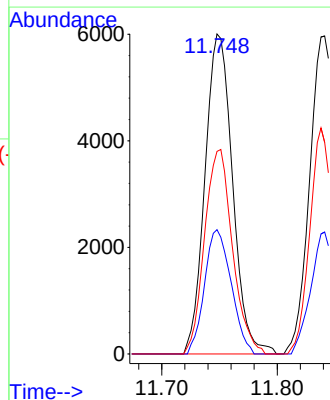
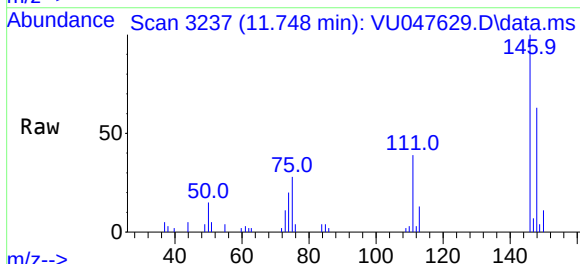
Manual Integrations
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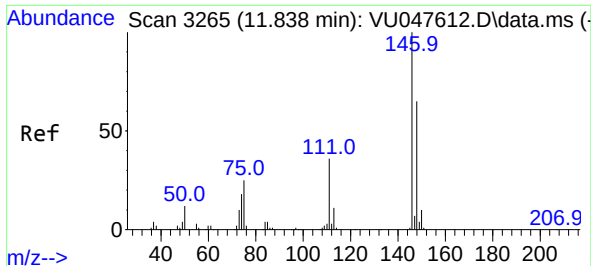
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022



#82
1,3-Dichlorobenzene
Concen: 0.410 ug/l
RT: 11.748 min Scan# 3237
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

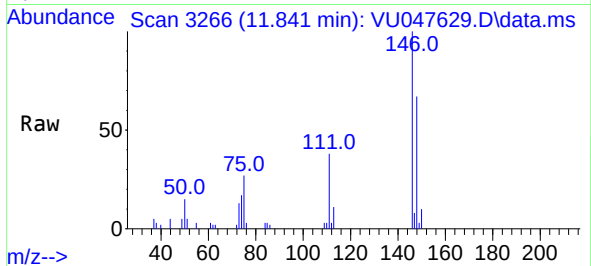
Tgt Ion:146 Resp: 9985
Ion Ratio Lower Upper
146 100
111 37.4 33.9 50.9
148 64.6 50.9 76.3





#83
1,4-Dichlorobenzene
Concen: 0.409 ug/l
RT: 11.841 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

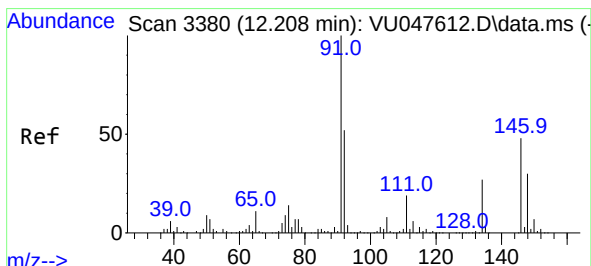
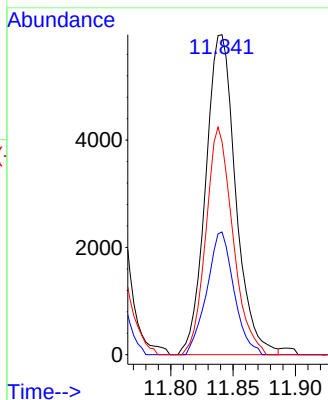
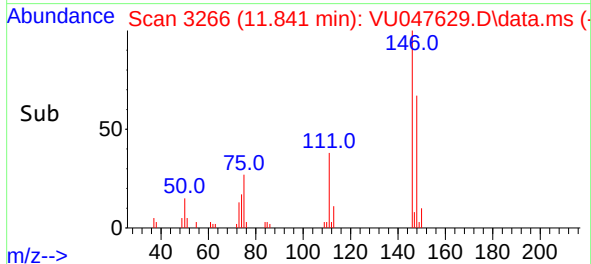
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022



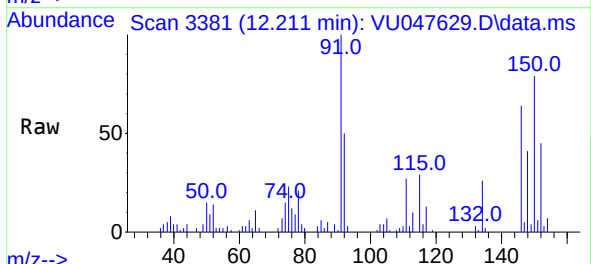
Tgt Ion:146 Resp: 1000
Ion Ratio Lower Upper
146 100
111 34.6 32.7 49.1
148 63.9 51.4 77.0

Manual Integrations
APPROVED

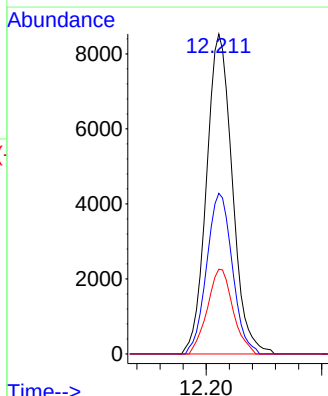
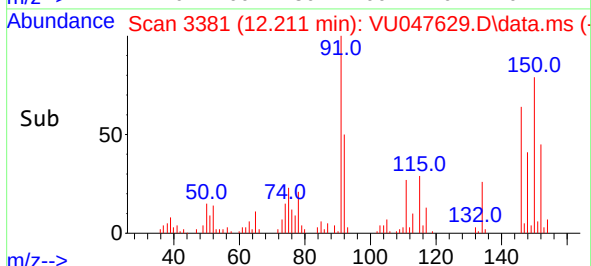
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022

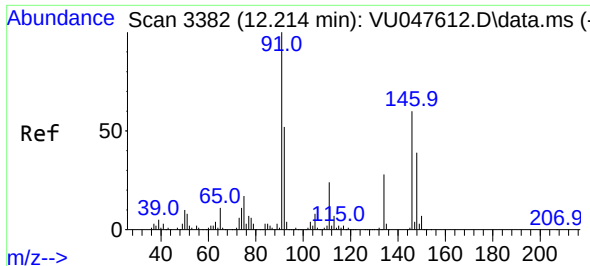


#84
n-Butylbenzene
Concen: 0.741 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47



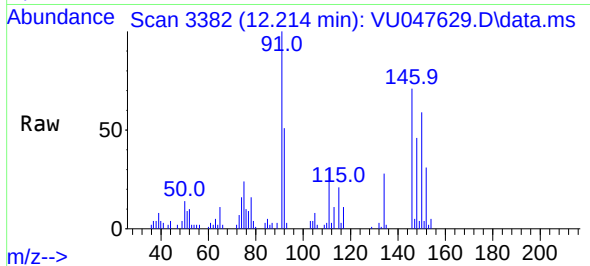
Tgt Ion: 91 Resp: 13249
Ion Ratio Lower Upper
91 100
92 49.9 43.5 65.3
134 26.2 19.0 28.4





#85
1,2-Dichlorobenzene
Concen: 0.417 ug/l
RT: 12.214 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

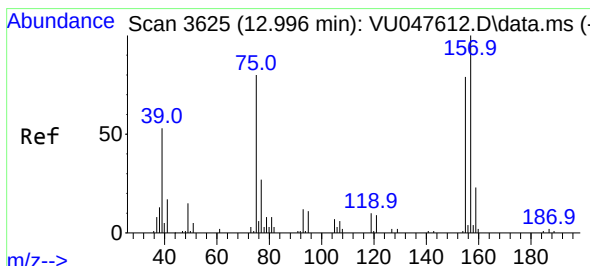
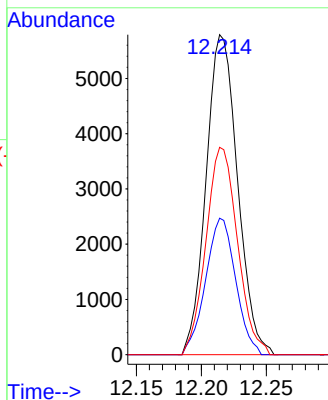
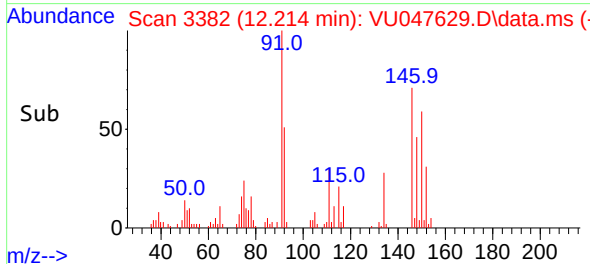
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022



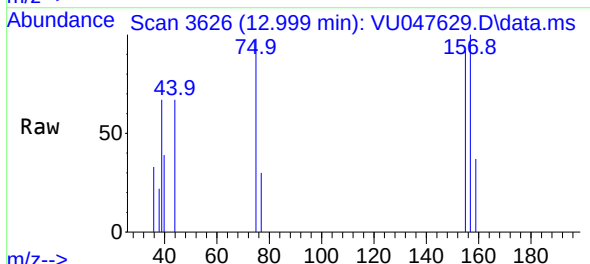
Tgt Ion:146 Resp: 9754
Ion Ratio Lower Upper
146 100
111 40.7 22.1 66.1
148 65.0 31.6 94.7

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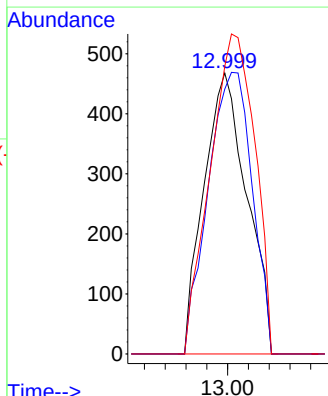
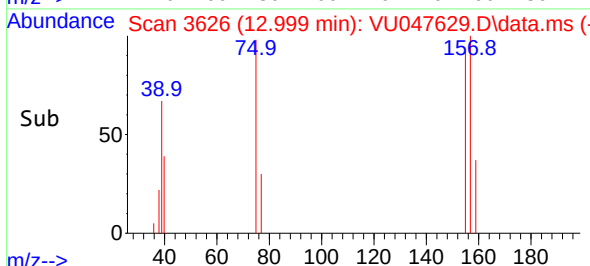
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022

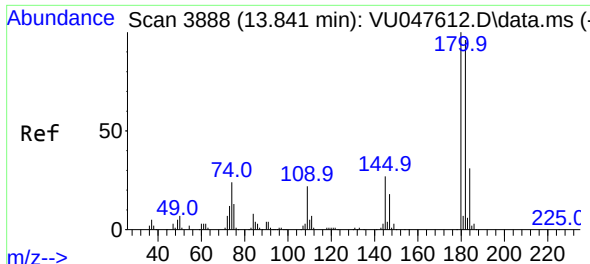


#86
1,2-Dibromo-3-Chloropropane
Concen: 0.379 ug/l
RT: 12.999 min Scan# 3626
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47



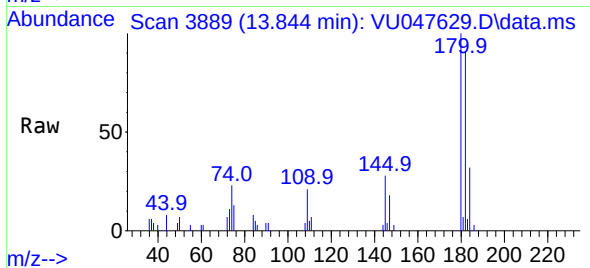
Tgt Ion: 75 Resp: 673
Ion Ratio Lower Upper
75 100
155 102.7 57.8 86.8#
157 118.7 75.1 112.7#





#87
1,2,4-Trichlorobenzene
Concen: 0.404 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

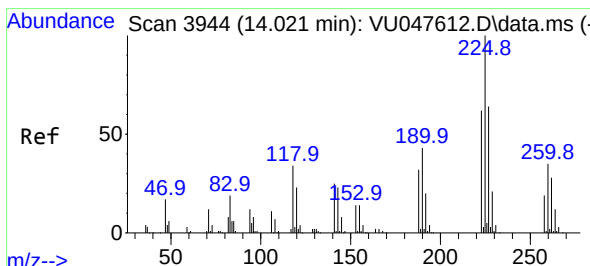
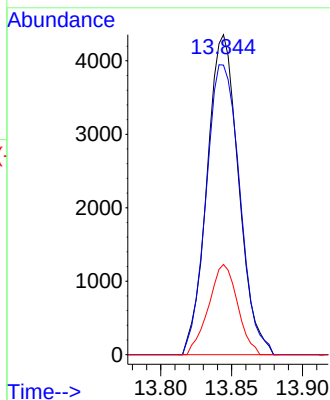
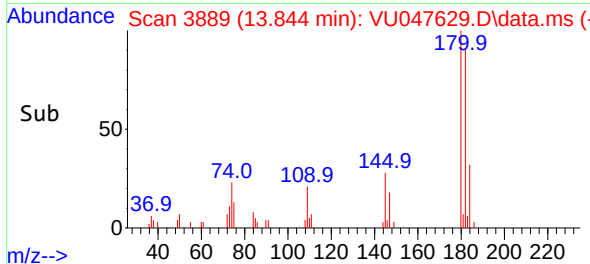
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022



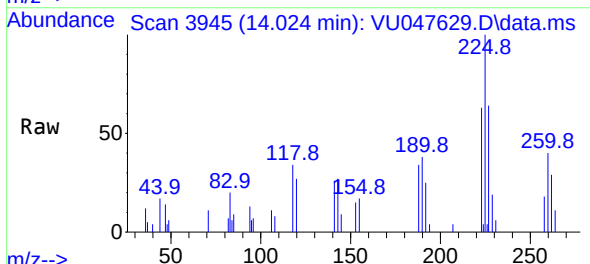
Tgt Ion:180 Resp: 6749
Ion Ratio Lower Upper
180 100
182 96.4 75.8 113.8
145 25.9 25.3 37.9

Manual Integrations
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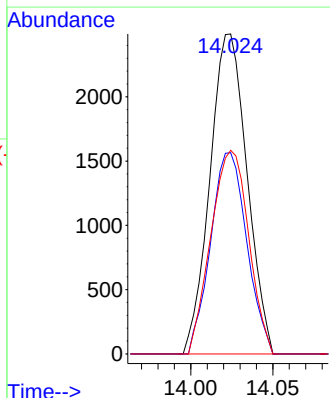
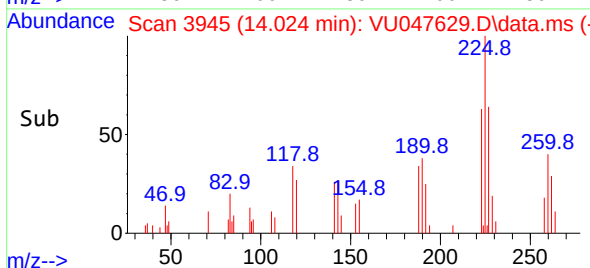
Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022

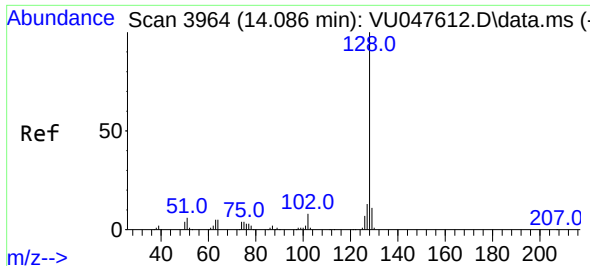


#88
Hexachlorobutadiene
Concen: 0.390 ug/l
RT: 14.024 min Scan# 3945
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47



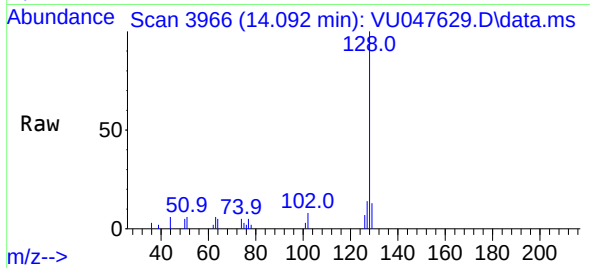
Tgt Ion:225 Resp: 3907
Ion Ratio Lower Upper
225 100
223 61.4 51.1 76.7
227 64.7 49.9 74.9





#89
Naphthalene
Concen: 0.338 ug/l
RT: 14.092 min Scan# 3964
Delta R.T. 0.006 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

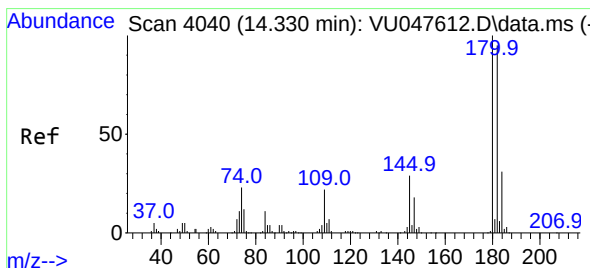
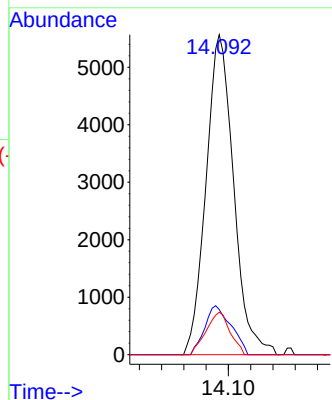
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion:128 Resp: 957
Ion Ratio Lower Upper
128 100
127 14.6 10.6 16.0
129 11.5 8.6 13.0

Manual Integrations
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Reviewed By :John Carlone 03/22/2022
Supervised By :Mahesh Dadoda 04/01/2022



#90
1,2,3-Trichlorobenzene
Concen: 0.363 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU047629.D
Acq: 21 Mar 2022 15:47

Tgt Ion:180 Resp: 5703
Ion Ratio Lower Upper
180 100
182 101.7 75.4 113.0
145 29.6 27.0 40.4

