

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072622\
 Data File : VU049927.D
 Acq On : 26 Jul 2022 21:16
 Operator : SY/MD
 Sample : N3670-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2022-04

Quant Time: Jul 27 05:11:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 27 03:55:15 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/27/2022
 Supervised By : Mahesh Dadoda 07/27/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	82979	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	82218	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	38529	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	26753	3.982	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.600%
7) Chloroethane-d5	1.912	69	24077	4.282	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.600%
11) 1,1-Dichloroethene-d2	2.565	65	12201	4.069	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.400%
20) 2-Butanone-d5	4.632	46	130627	54.042	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.080%
24) Chloroform-d	5.066	84	68061	4.549	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
26) 1,2-Dichloroethane-d4	5.703	65	41501	4.730	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
32) Benzene-d6	5.729	84	115580	4.125	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.600%
36) 1,2-Dichloropropane-d6	6.693	67	44636	4.612	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.200%
41) Toluene-d8	7.899	98	90493	3.695	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.000%
43) trans-1,3-Dichloroprop...	8.182	79	13542	3.854	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.000%
46) 2-Hexanone-d5	8.635	63	60909	43.742	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.480%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	40121	4.936	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	35796	4.501	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	2513	0.287	ug/L	96
3) Chloromethane	1.520	50	3146	0.292	ug/L	97
5) Vinyl chloride	1.600	62	2453	0.272	ug/L	84
6) Bromomethane	1.858	94	1277	0.262	ug/L	99
8) Chloroethane	1.935	64	1299	0.250	ug/L	96
9) Trichlorofluoromethane	2.137	101	3076	0.278	ug/L	89
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	1613	0.298	ug/L	87
12) 1,1-Dichloroethene	2.578	96	1588	0.290	ug/L #	1
14) Carbon disulfide	2.793	76	4527	0.267	ug/L	97
15) Methyl Acetate	2.957	43	744	0.205	ug/L #	55
17) Methyl tert-butyl Ether	3.362	73	3931	0.221	ug/L #	91
18) trans-1,2-Dichloroethene	3.356	96	1813	0.286	ug/L #	64
19) 1,1-Dichloroethane	3.874	63	3368	0.246	ug/L #	90
21) 2-Butanone	4.726	43	7577m	3.073	ug/L	
22) cis-1,2-Dichloroethene	4.668	96	1635m	0.223	ug/L	
23) Bromochloromethane	4.973	128	807	0.246	ug/L	93
27) 1,2-Dichloroethane	5.796	62	2526	0.253	ug/L #	85
29) 1,1,1-Trichloroethane	5.314	97	3027	0.262	ug/L	91
30) Cyclohexane	5.388	56	1991	0.213	ug/L	98

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

31) Carbon tetrachloride	5.526	117	2407	0.257	ug/L	92
33) Benzene	5.780	78	7340	0.246	ug/L	100
34) Trichloroethene	6.546	95	1943	0.269	ug/L	96
35) Methylcyclohexane	6.764	83	2044	0.229	ug/L #	84
37) 1,2-Dichloropropane	6.790	63	2068	0.243	ug/L	100
38) Bromodichloromethane	7.105	83	2394	0.225	ug/L #	90
39) cis-1,3-Dichloropropene	7.603	75	2496	0.223	ug/L	92
40) 4-Methyl-2-pentanone	7.796	43	11762	1.983	ug/L #	89
42) Toluene	7.970	91	6200	0.208	ug/L	95
44) trans-1,3-Dichloropropene	8.214	75	1968m	0.203	ug/L	
45) 1,1,2-Trichloroethane	8.404	97	1370	0.226	ug/L	97
47) Tetrachloroethene	8.555	164	1258	0.253	ug/L	84
48) 2-Hexanone	8.687	43	31217m	7.052	ug/L	
49) Dibromochloromethane	8.809	129	1499	0.221	ug/L	80
50) 1,2-Dibromoethane	8.928	107	1207	0.224	ug/L #	89
51) Chlorobenzene	9.446	112	3875	0.205	ug/L	92
52) Ethylbenzene	9.571	91	6250	0.204	ug/L	98
53) m,p-Xylene	9.693	106	2277	0.202	ug/L	85
54) o-Xylene	10.105	106	2083	0.187	ug/L	91
55) Styrene	10.115	104	3319	0.176	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.783	83	1758	0.224	ug/L	87
59) Bromoform	10.291	173	780	0.233	ug/L #	94
60) Isopropylbenzene	10.488	105	5255	0.206	ug/L	97
61) 1,2,3-Trichloropropane	10.822	75	1169	0.228	ug/L #	88
62) 1,3,5-Trimethylbenzene	11.089	105	4194	0.195	ug/L	97
63) 1,2,4-Trimethylbenzene	11.471	105	3768	0.180	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	2845	0.226	ug/L	96
65) 1,4-Dichlorobenzene	11.838	146	2705	0.217	ug/L	95
67) 1,2-Dichlorobenzene	12.214	146	2821	0.227	ug/L	92
69) 1,3,5-Trichlorobenzene	13.224	180	1713	0.184	ug/L	96
70) 1,2,4-trichlorobenzene	13.841	180	1197	0.153	ug/L #	77
71) Naphthalene	14.095	128	1940	0.127	ug/L #	89
72) 1,2,3-Trichlorobenzene	14.339	180	1610	0.214	ug/L #	81

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

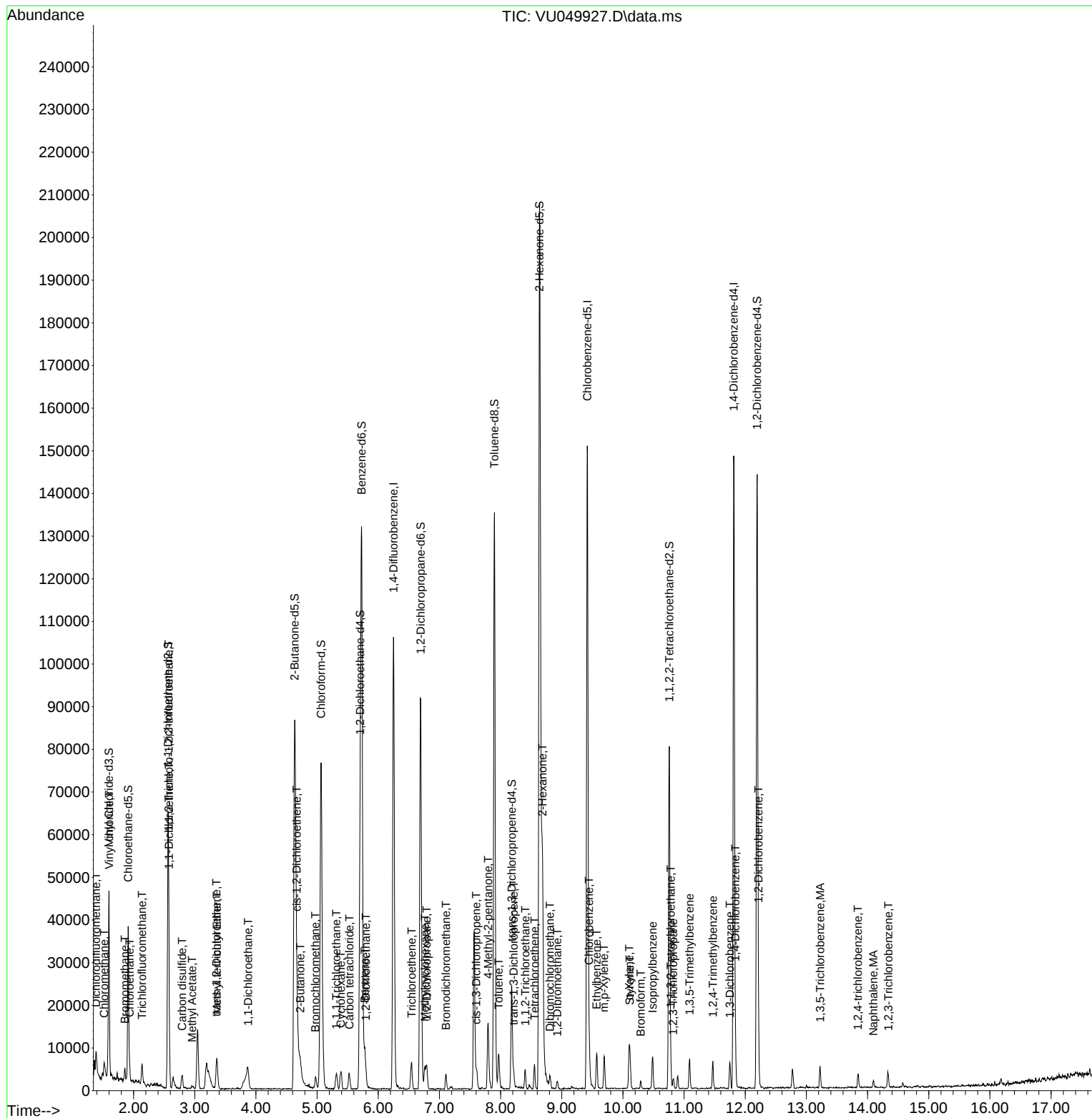
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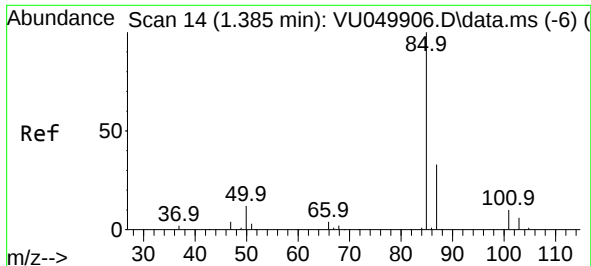
Instrument :
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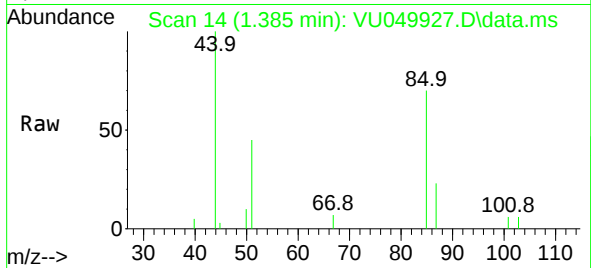
Reviewed By : John Carlone 07/27/2022
Supervised By : Mahesh Dadoda 07/27/2022





#2
Dichlorodifluoromethane
Concen: 0.287 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16

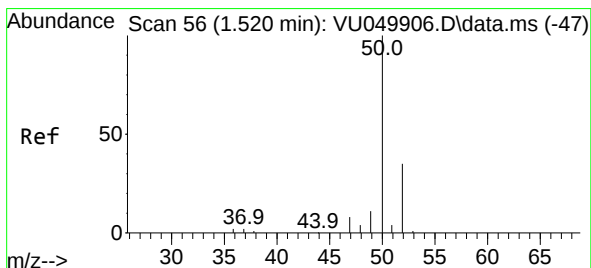
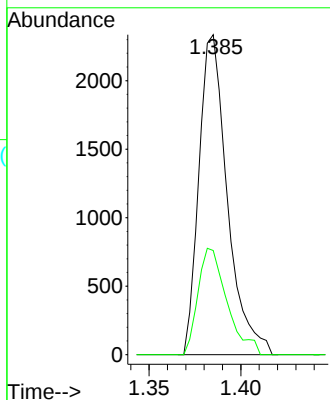
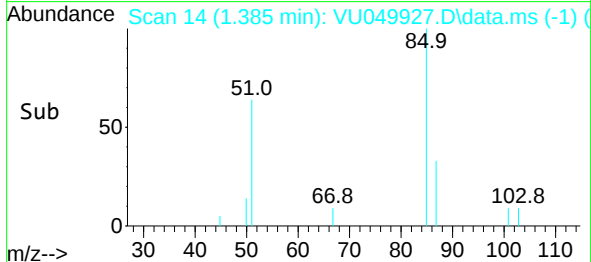
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-04



Tgt Ion: 85 Resp: 251
Ion Ratio Lower Upper
85 100
87 34.0 25.4 38.2

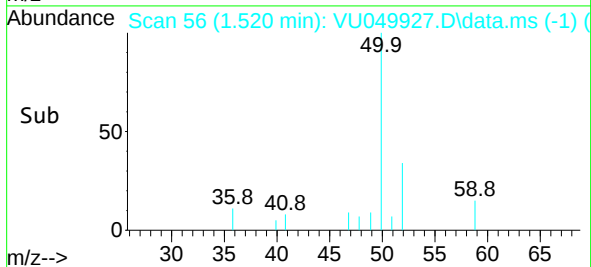
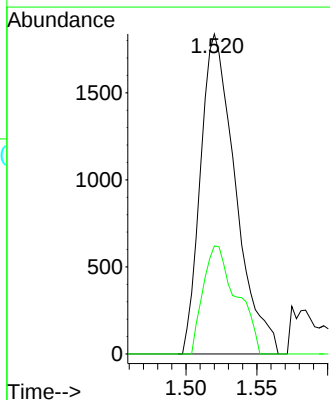
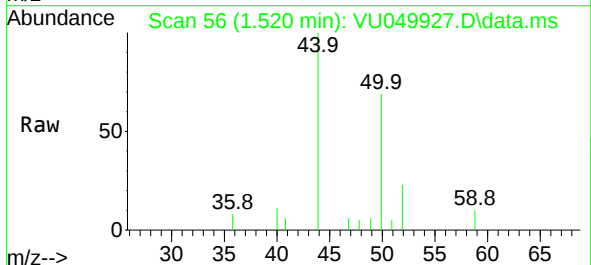
Manual Integrations
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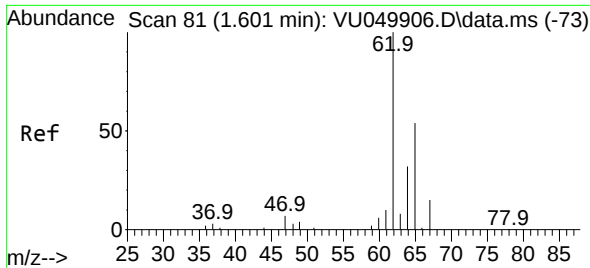
Reviewed By :John Carlone 07/27/2022
Supervised By :Mahesh Dadoda 07/27/2022



#3
Chloromethane
Concen: 0.292 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16

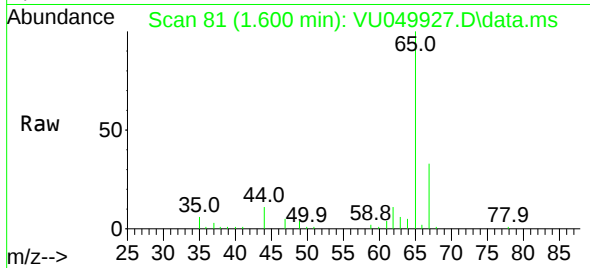
Tgt Ion: 50 Resp: 3146
Ion Ratio Lower Upper
50 100
52 33.7 22.5 41.7





#5
 Vinyl chloride
 Concen: 0.272 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU049927.D
 Acq: 26 Jul 2022 21:16

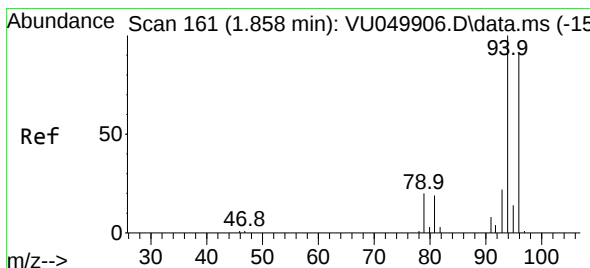
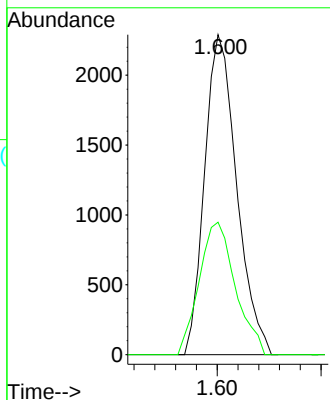
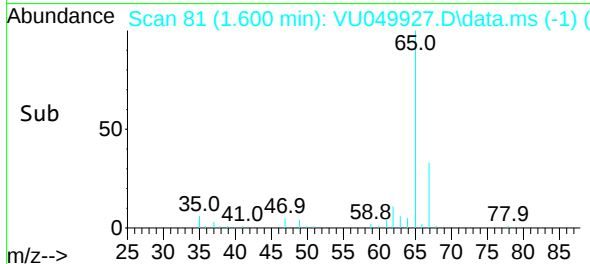
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2022-04



Tgt Ion: 62 Resp: 245
 Ion Ratio Lower Upper
 62 100
 64 41.4 22.7 42.3

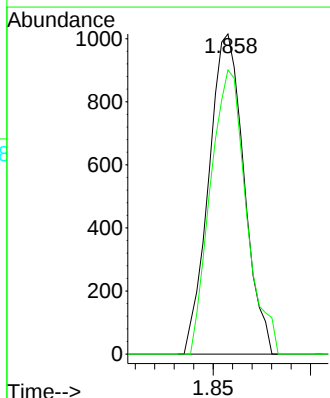
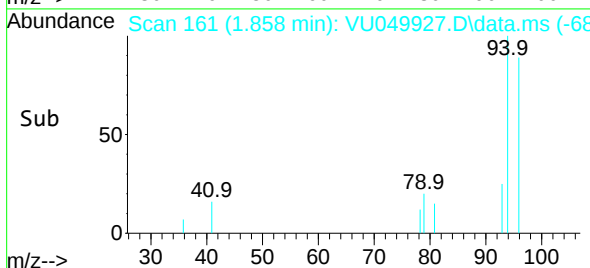
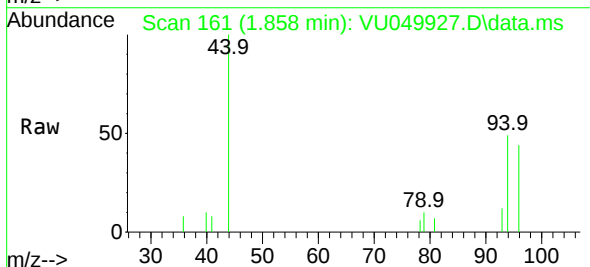
Manual Integrations
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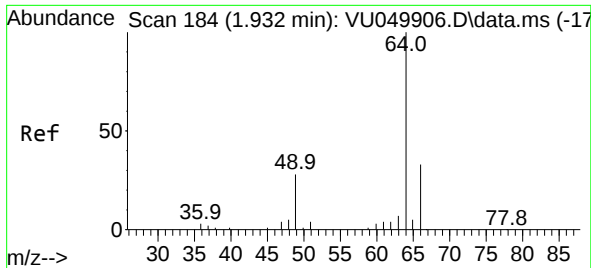
Reviewed By :John Carlone 07/27/2022
 Supervised By :Mahesh Dadoda 07/27/2022



#6
 Bromomethane
 Concen: 0.262 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU049927.D
 Acq: 26 Jul 2022 21:16

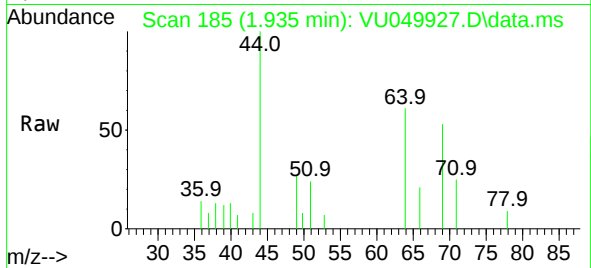
Tgt Ion: 94 Resp: 1277
 Ion Ratio Lower Upper
 94 100
 96 88.8 62.6 116.3





#8
Chloroethane
Concen: 0.250 ug/L
RT: 1.935 min Scan# 184
Delta R.T. 0.003 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16

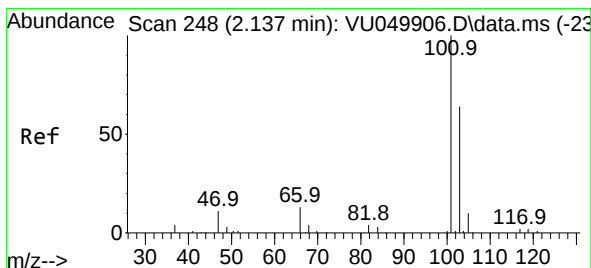
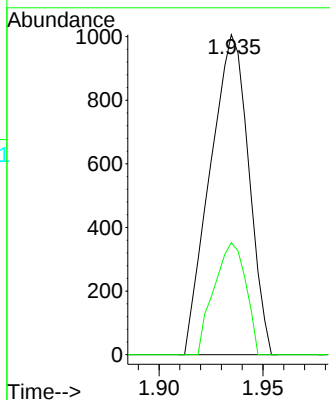
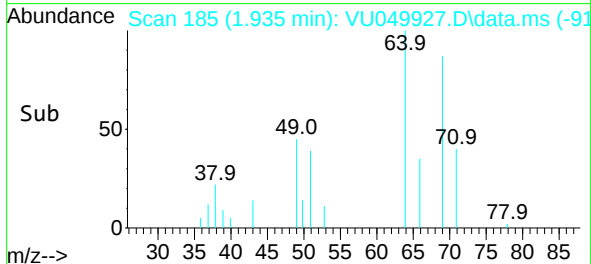
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-04



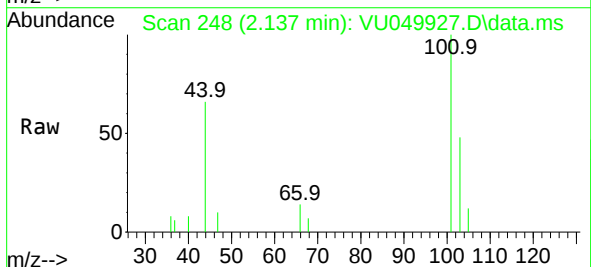
Tgt Ion: 64 Resp: 1299
Ion Ratio Lower Upper
64 100
66 35.0 22.7 42.3

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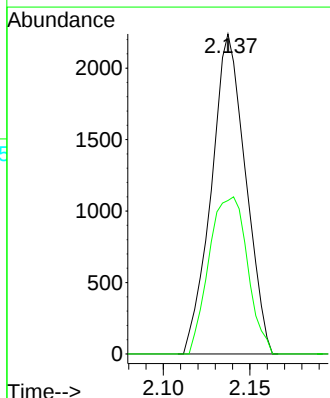
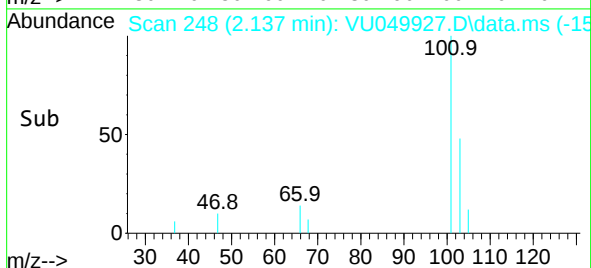
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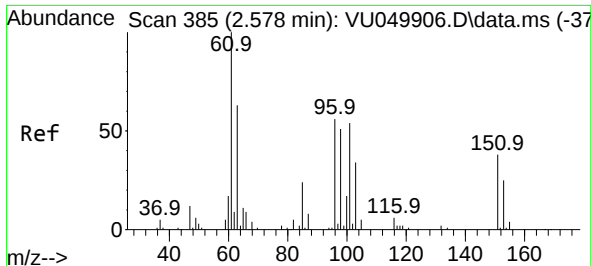


#9
Trichlorofluoromethane
Concen: 0.278 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16



Tgt Ion:101 Resp: 3076
Ion Ratio Lower Upper
101 100
103 55.1 50.8 76.2





#10

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

Concen: 0.298 ug/L

RT: 2.575 min Scan# 3

Delta R.T. -0.003 min

Lab File: VU049927.D

Acq: 26 Jul 2022 21:16

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2022-04

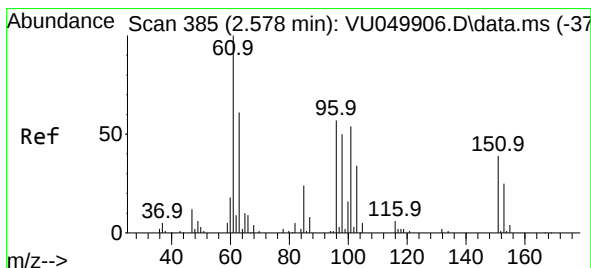
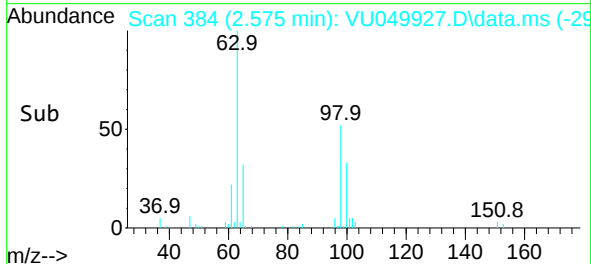
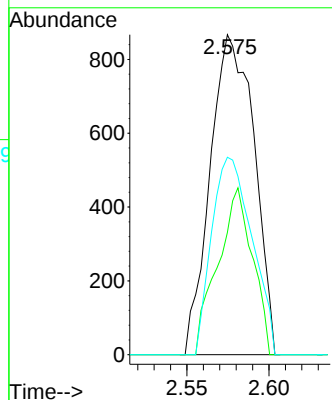
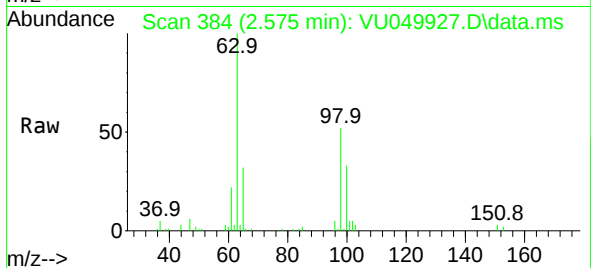
Tgt Ion:	101	Resp:	161
Ion Ratio	Lower	Upper	
101	100		
85	41.2	37.2	55.8
151	56.7	56.0	84.0

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#12

1,1-Dichloroethene

Concen: 0.290 ug/L

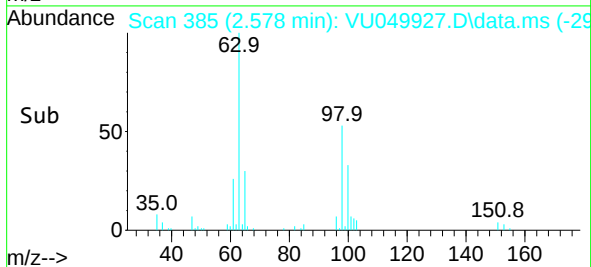
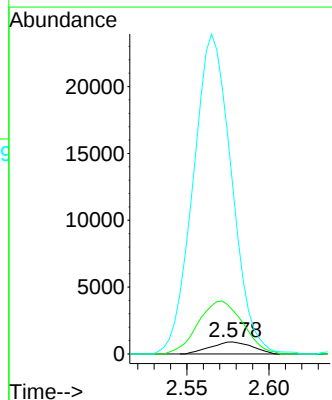
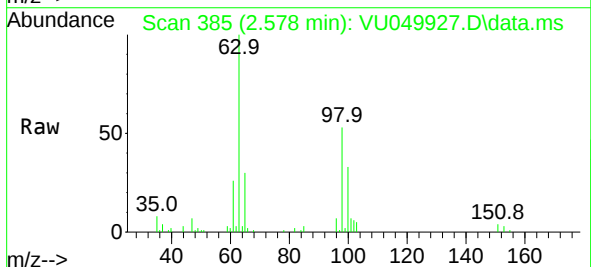
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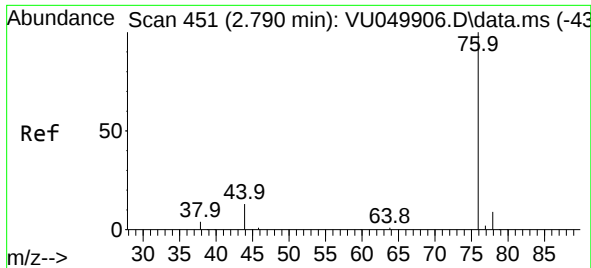
Delta R.T. -0.000 min

Lab File: VU049927.D

Acq: 26 Jul 2022 21:16

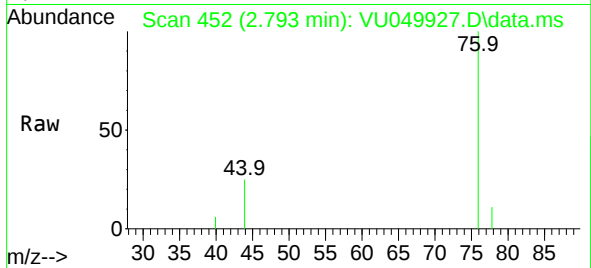
Tgt Ion:	96	Resp:	1588
Ion Ratio	Lower	Upper	
96	100		
61	366.0	131.6	244.4#
63	1406.1	100.0	185.6#





#14
Carbon disulfide
Concen: 0.267 ug/L
RT: 2.793 min Scan# 452
Delta R.T. 0.003 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16

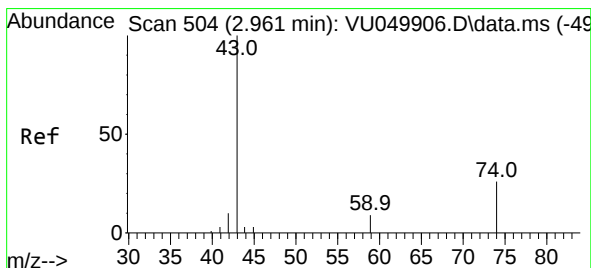
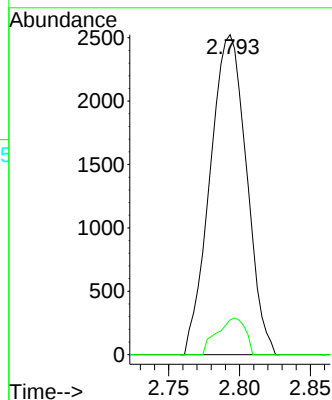
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-04



Tgt Ion: 76 Resp: 452
Ion Ratio Lower Upper
76 100
78 10.9 7.8 11.6

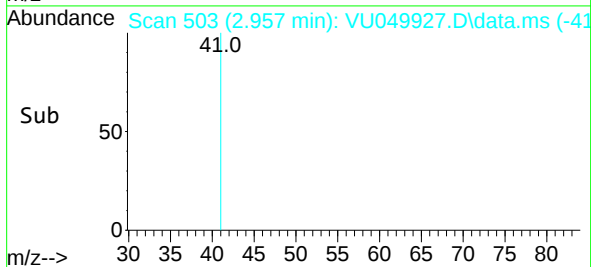
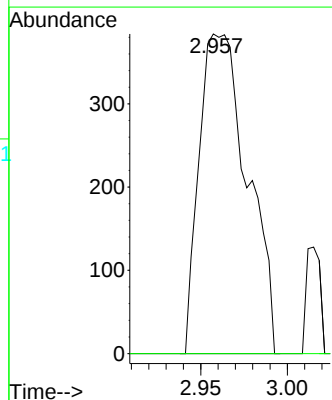
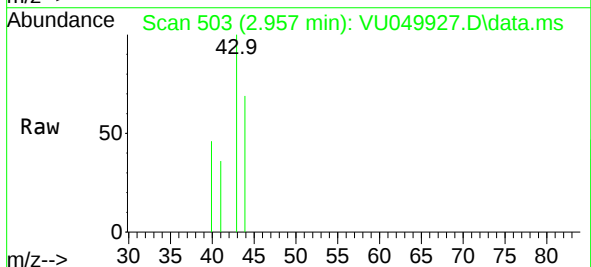
Manual Integrations
APPROVED

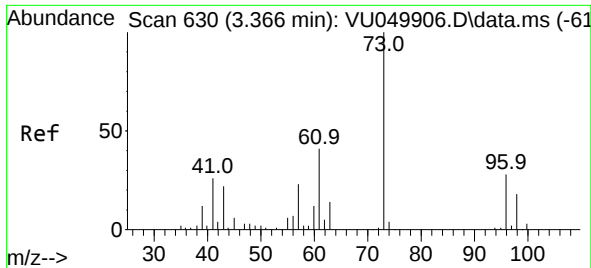
Reviewed By :John Carlone 07/27/2022
Supervised By :Mahesh Dadoda 07/27/2022



#15
Methyl Acetate
Concen: 0.205 ug/L
RT: 2.957 min Scan# 503
Delta R.T. -0.003 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16

Tgt Ion: 43 Resp: 744
Ion Ratio Lower Upper
43 100
74 0.0 17.1 25.7#





#17

Methyl tert-butyl Ether

Concen: 0.221 ug/L

RT: 3.362 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU049927.D

Acq: 26 Jul 2022 21:16

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2022-04

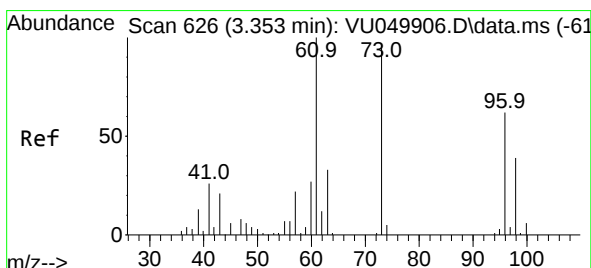
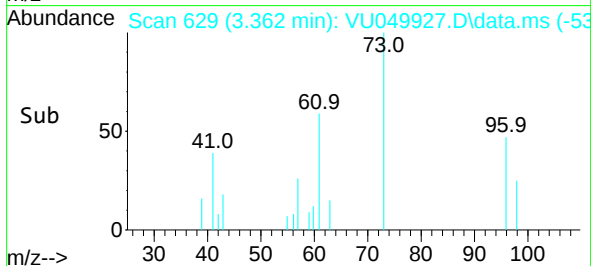
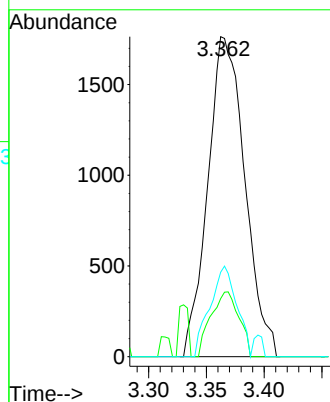
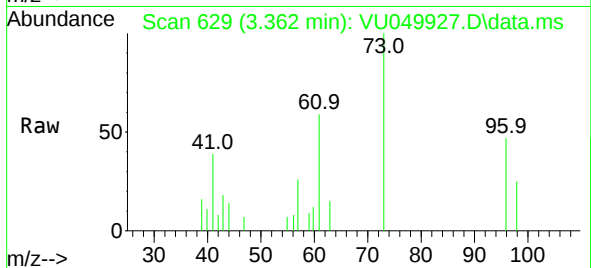
Tgt Ion: 73	Resp: 393
Ion Ratio	Lower Upper
73 100	
43 15.4	17.4 26.2
57 20.6	18.7 28.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/27/2022

Supervised By :Mahesh Dadoda 07/27/2022



#18

trans-1,2-Dichloroethene

Concen: 0.286 ug/L

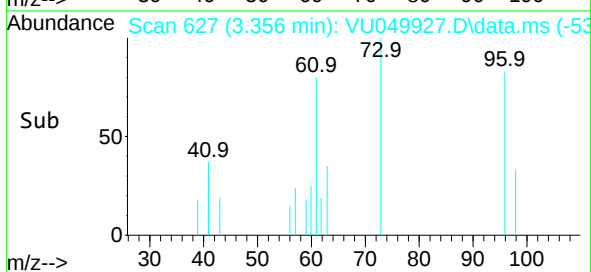
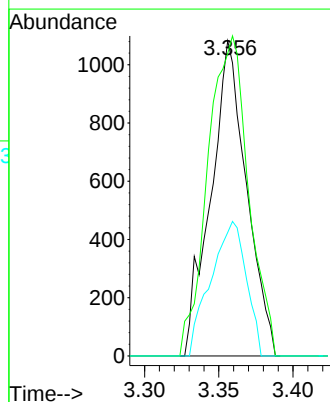
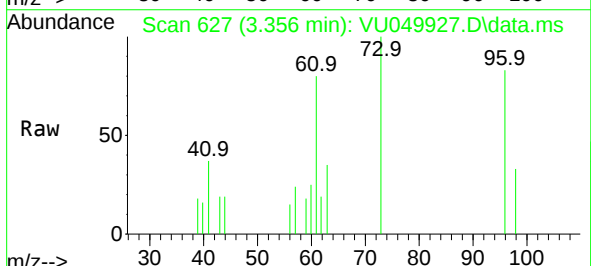
RT: 3.356 min Scan# 627

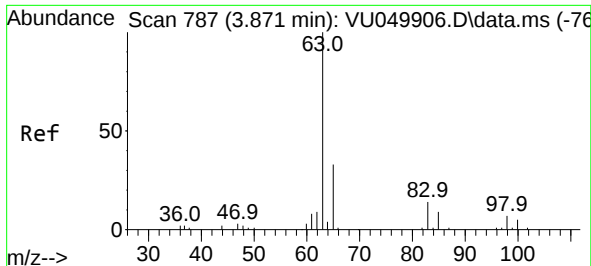
Delta R.T. 0.003 min

Lab File: VU049927.D

Acq: 26 Jul 2022 21:16

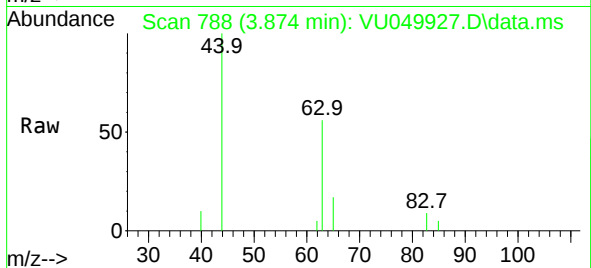
Tgt Ion: 96	Resp: 1813
Ion Ratio	Lower Upper
96 100	
61 96.0	101.5 188.5#
98 39.2	42.5 78.9#





#19
1,1-Dichloroethane
Concen: 0.246 ug/L
RT: 3.874 min Scan# 787
Delta R.T. 0.003 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16

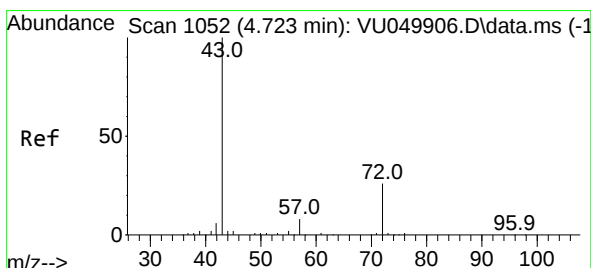
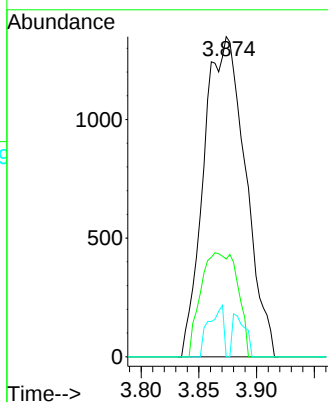
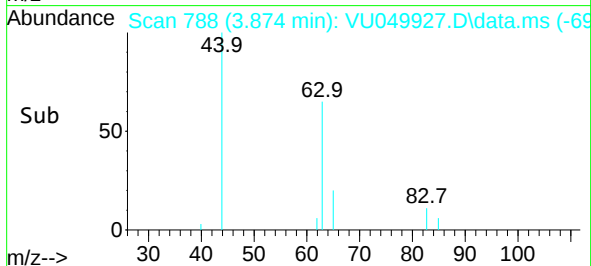
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-04



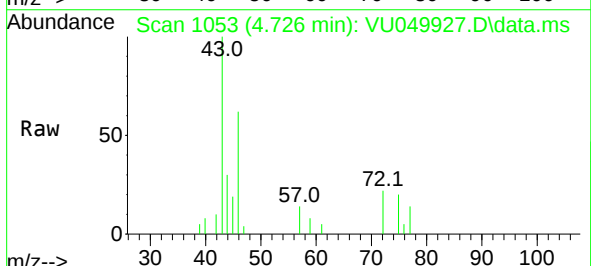
Tgt Ion: 63 Resp: 3368
Ion Ratio Lower Upper
63 100
65 30.5 22.5 41.9
83 0.0 8.3 15.5

Manual Integrations
APPROVED

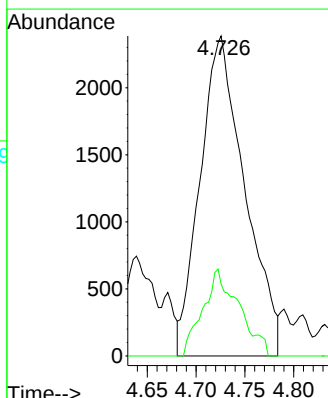
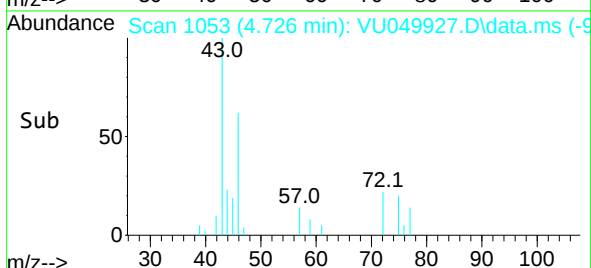
Reviewed By :John Carlone 07/27/2022
Supervised By :Mahesh Dadoda 07/27/2022

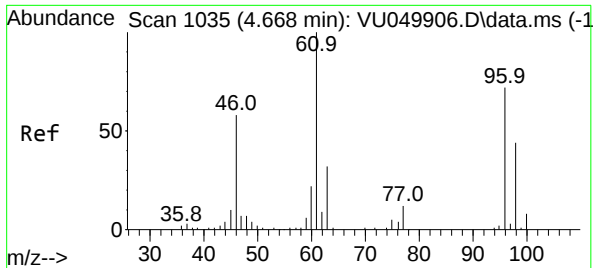


#21
2-Butanone
Concen: 3.073 ug/L m
RT: 4.726 min Scan# 1053
Delta R.T. 0.003 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16



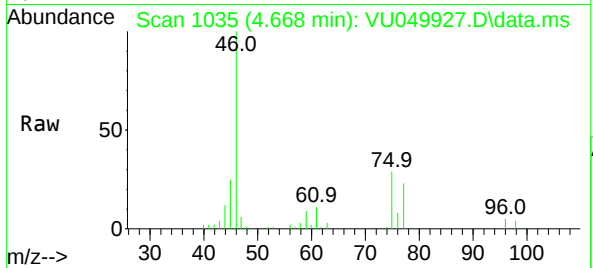
Tgt Ion: 43 Resp: 7577
Ion Ratio Lower Upper
43 100
72 21.9 11.9 35.5





#22
cis-1,2-Dichloroethene
Concen: 0.223 ug/L m
RT: 4.668 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16

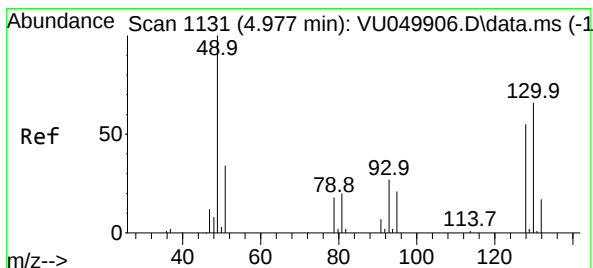
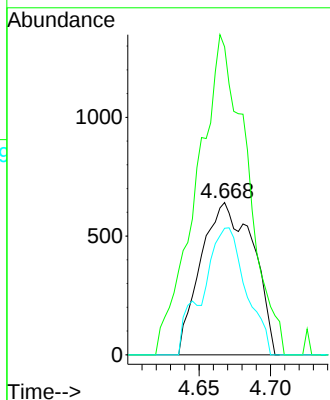
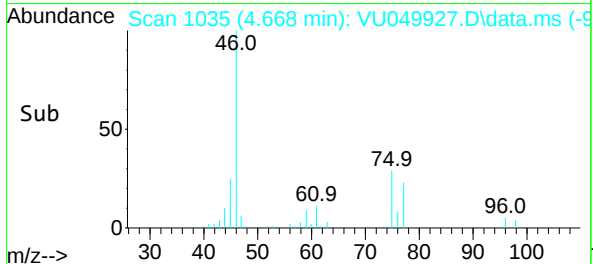
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-04



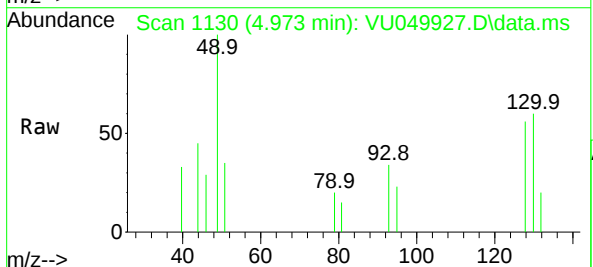
Tgt Ion: 96 Resp: 163
Ion Ratio Lower Upper
96 100
61 202.3 93.9 174.3
98 83.2 43.9 81.5

Manual Integrations
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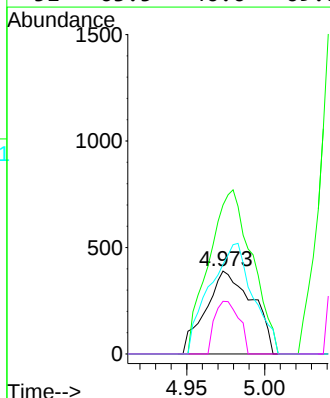
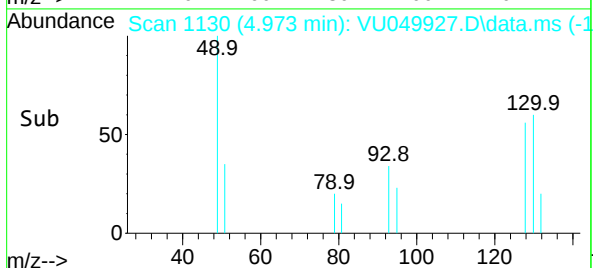
Reviewed By :John Carlone 07/27/2022
Supervised By :Mahesh Dadoda 07/27/2022

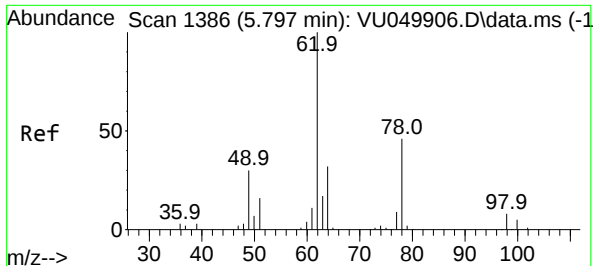


#23
Bromochloromethane
Concen: 0.246 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. -0.003 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16



Tgt Ion:128 Resp: 807
Ion Ratio Lower Upper
128 100
49 179.9 124.9 232.1
130 108.2 88.5 164.3
51 63.5 46.6 69.8





#27

1,2-Dichloroethane

Concen: 0.253 ug/L

RT: 5.796 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU049927.D

Acq: 26 Jul 2022 21:16

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2022-04

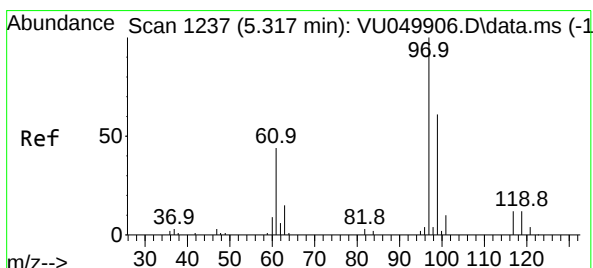
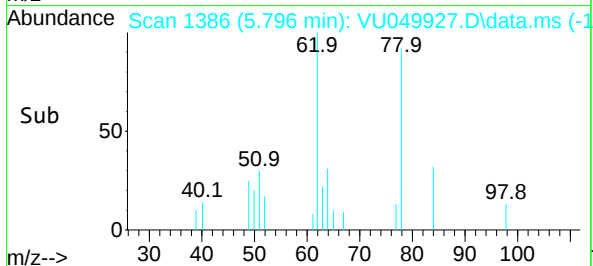
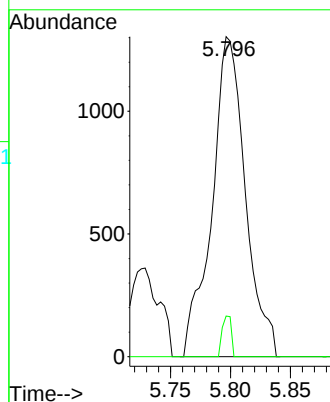
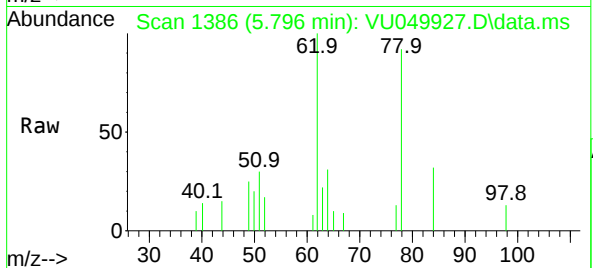
Tgt Ion: 62 Resp: 2520
 Ion Ratio Lower Upper
 62 100
 98 12.7 5.9 8.9

Manual Integrations

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Reviewed By :John Carlone 07/27/2022

Supervised By :Mahesh Dadoda 07/27/2022



#29

1,1,1-Trichloroethane

Concen: 0.262 ug/L

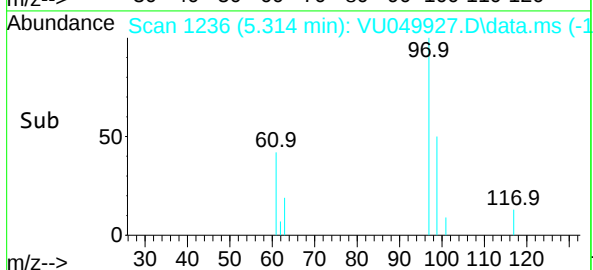
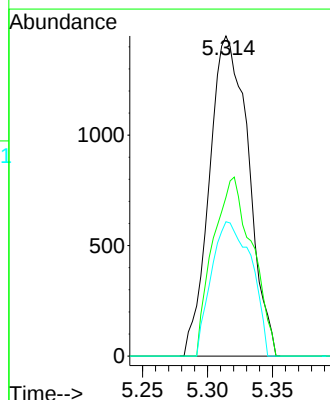
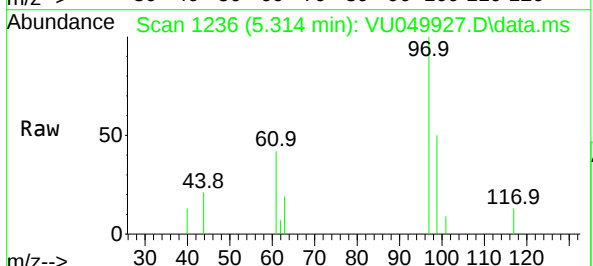
RT: 5.314 min Scan# 1236

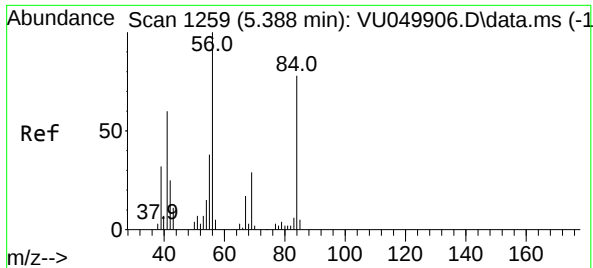
Delta R.T. -0.003 min

Lab File: VU049927.D

Acq: 26 Jul 2022 21:16

Tgt Ion: 97 Resp: 3027
 Ion Ratio Lower Upper
 97 100
 99 56.3 51.8 77.8
 61 42.9 38.3 57.5





#30

Cyclohexane

Concen: 0.213 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU049927.D

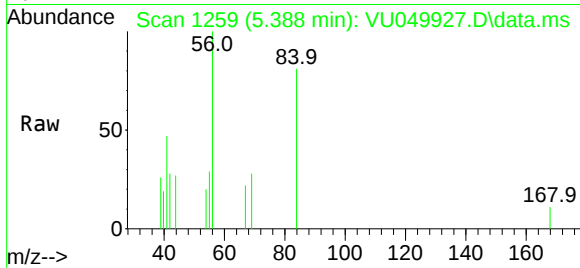
Acq: 26 Jul 2022 21:16

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2022-04



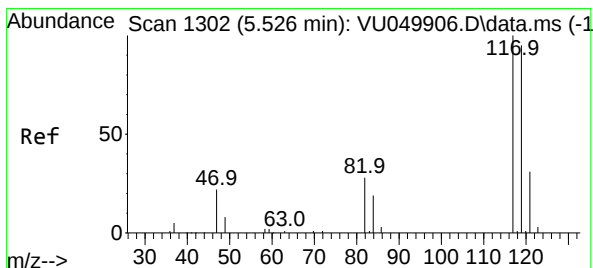
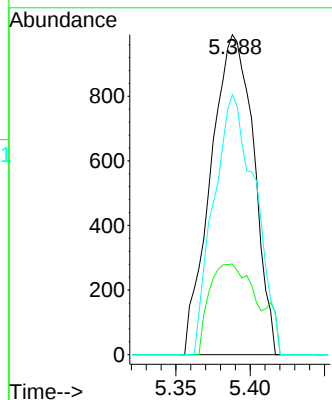
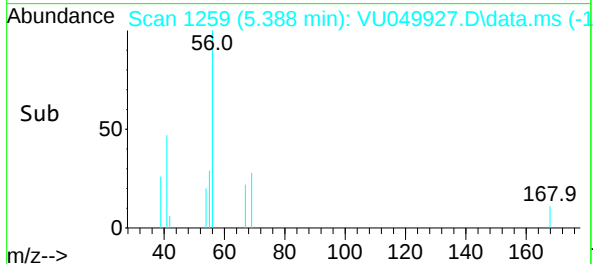
Tgt Ion: 56	Resp: 199
Ion Ratio	Lower Upper
56	100
69	32.4 22.8 34.2
84	78.6 63.0 94.6

Manual Integrations

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Reviewed By :John Carlone 07/27/2022

Supervised By :Mahesh Dadoda 07/27/2022



#31

Carbon tetrachloride

Concen: 0.257 ug/L

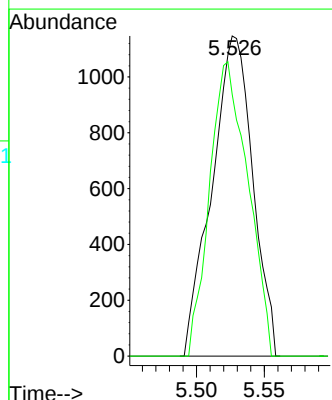
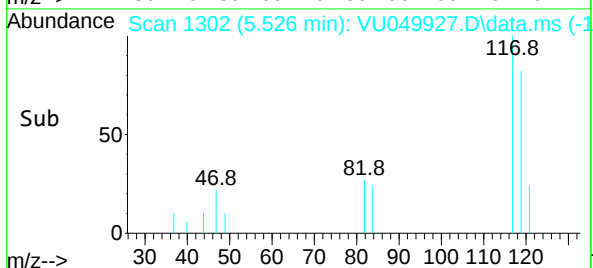
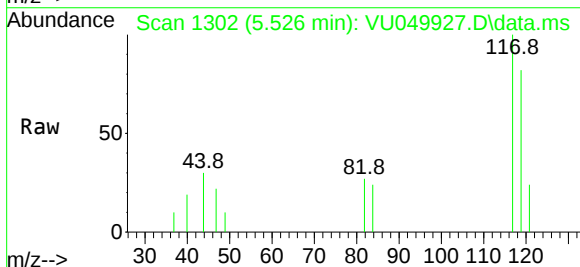
RT: 5.526 min Scan# 1302

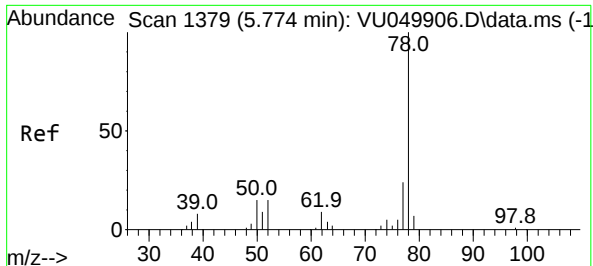
Delta R.T. -0.000 min

Lab File: VU049927.D

Acq: 26 Jul 2022 21:16

Tgt Ion: 117	Resp: 2407
Ion Ratio	Lower Upper
117	100
119	86.0 75.2 112.8





#33

Benzene

Concen: 0.246 ug/L

RT: 5.780 min Scan# 1379

Delta R.T. 0.006 min

Lab File: VU049927.D

Acq: 26 Jul 2022 21:16

Instrument :

MSVOA_U

ClientSampleId :

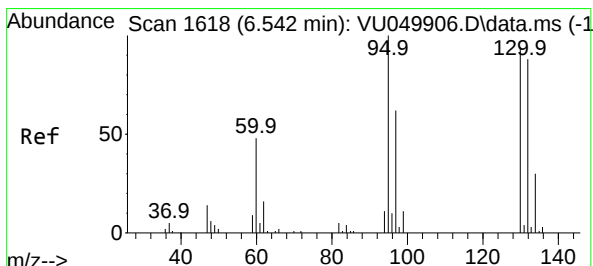
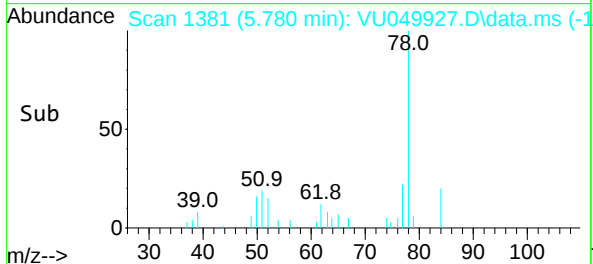
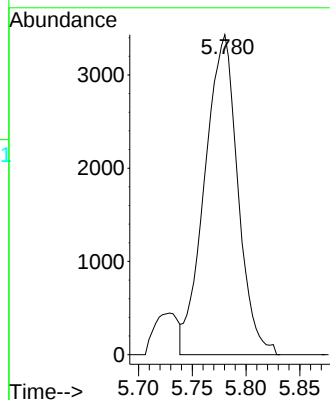
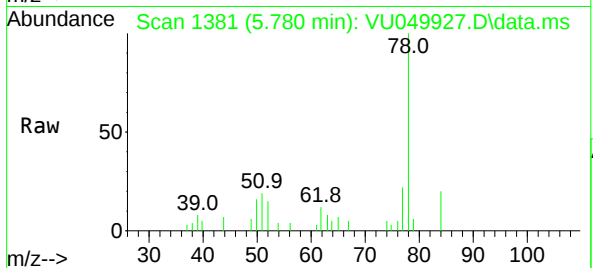
MDL-WATER-QT2-2022-04

Tgt Ion: 78 Resp: 7340

Manual Integrations
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Reviewed By :John Carlone 07/27/2022

Supervised By :Mahesh Dadoda 07/27/2022



#34

Trichloroethene

Concen: 0.269 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. 0.003 min

Lab File: VU049927.D

Acq: 26 Jul 2022 21:16

Tgt Ion: 95 Resp: 1943

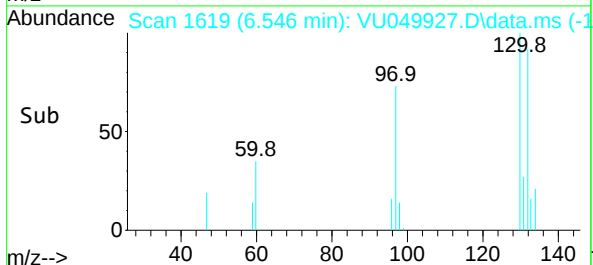
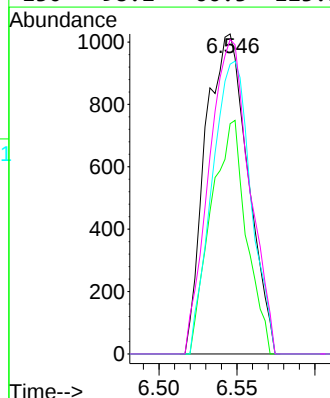
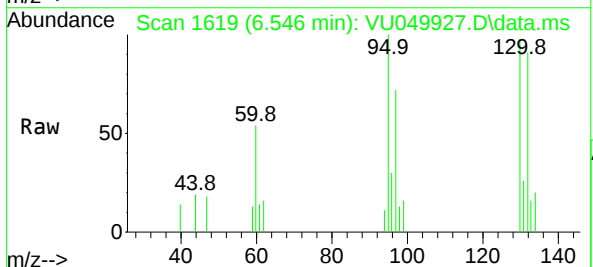
Ion Ratio Lower Upper

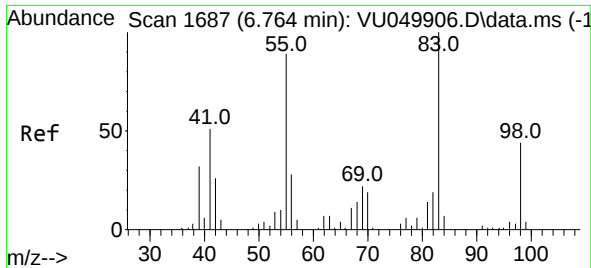
95 100

97 71.9 46.8 86.8

132 90.5 61.8 114.8

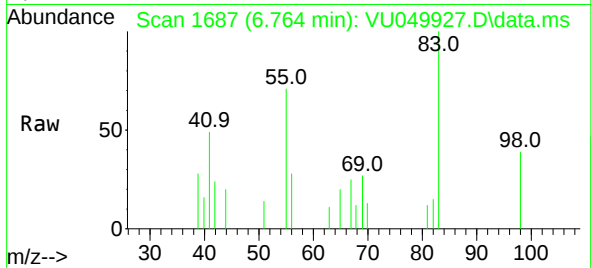
130 98.2 66.3 123.1





#35
Methylcyclohexane
Concen: 0.229 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16

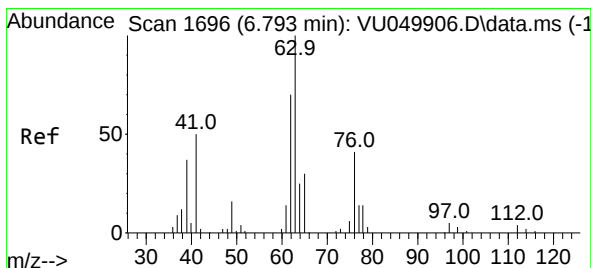
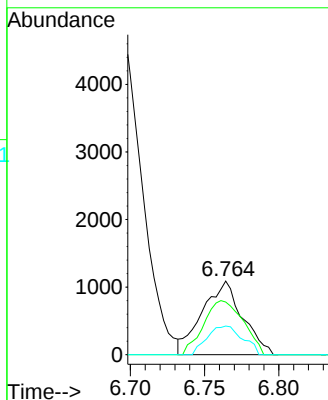
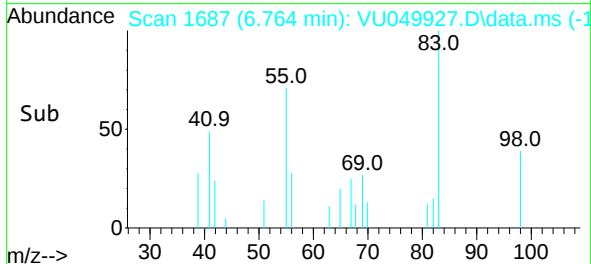
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-04



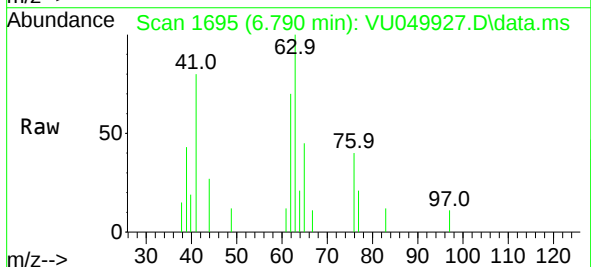
Tgt Ion: 83 Resp: 2044
Ion Ratio Lower Upper
83 100
55 72.6 69.0 103.4
98 34.3 36.4 54.6

Manual Integrations
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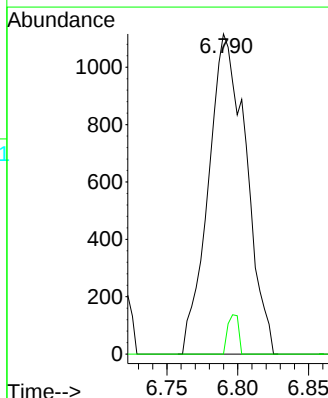
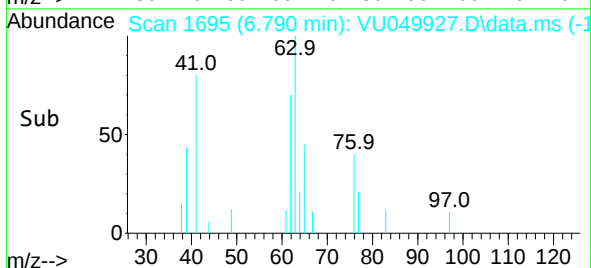
Reviewed By :John Carlone 07/27/2022
Supervised By :Mahesh Dadoda 07/27/2022

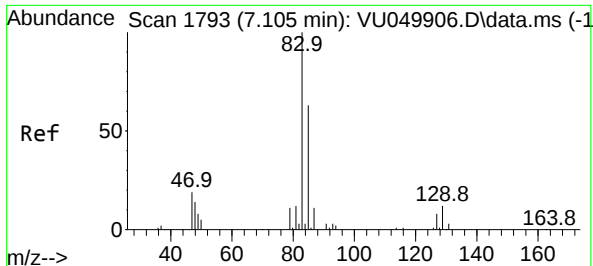


#37
1,2-Dichloropropane
Concen: 0.243 ug/L
RT: 6.790 min Scan# 1695
Delta R.T. -0.003 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16



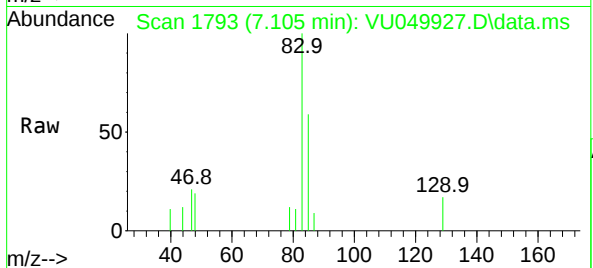
Tgt Ion: 63 Resp: 2068
Ion Ratio Lower Upper
63 100
112 3.5 2.8 4.2





#38
Bromodichloromethane
Concen: 0.225 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16

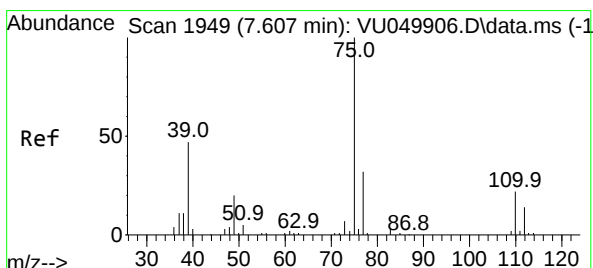
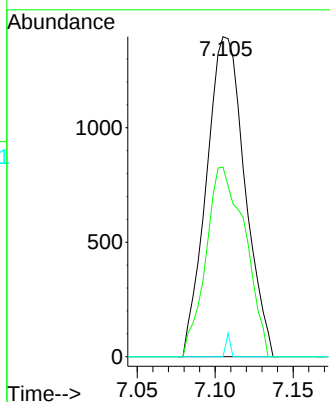
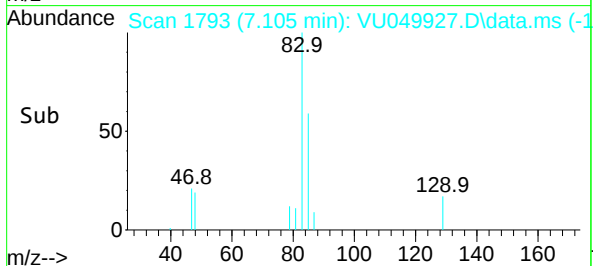
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-04



Tgt Ion: 83 Resp: 2394
Ion Ratio Lower Upper
83 100
85 59.2 45.9 85.3
127 0.0 7.0 10.6

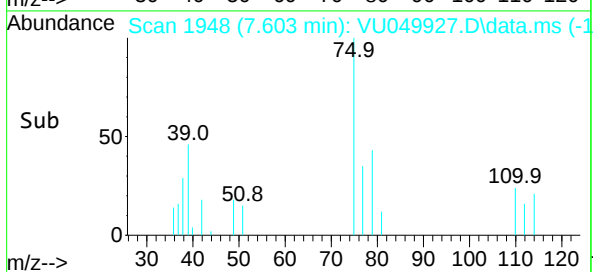
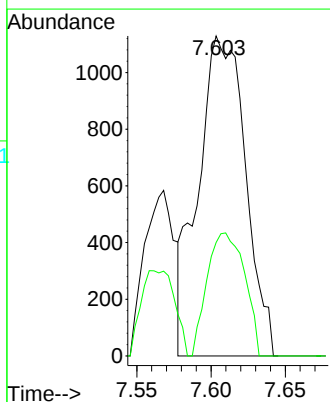
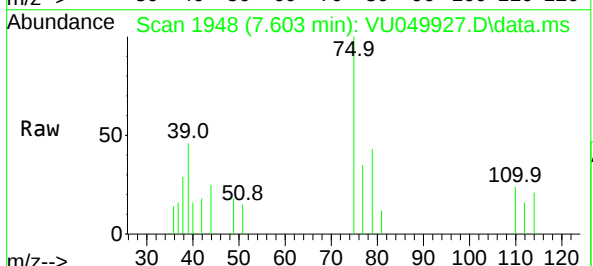
Manual Integrations
APPROVED

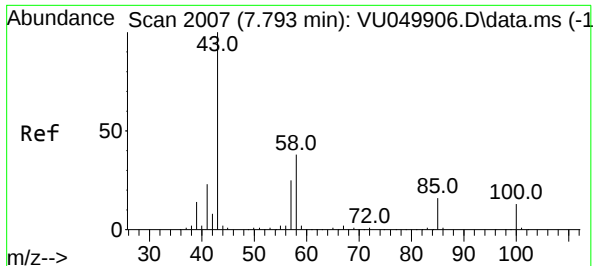
Reviewed By :John Carlone 07/27/2022
Supervised By :Mahesh Dadoda 07/27/2022



#39
cis-1,3-Dichloropropene
Concen: 0.223 ug/L
RT: 7.603 min Scan# 1948
Delta R.T. -0.003 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16

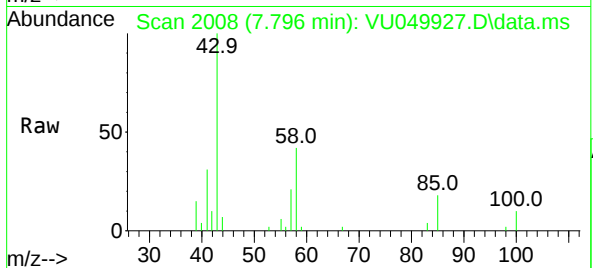
Tgt Ion: 75 Resp: 2496
Ion Ratio Lower Upper
75 100
77 35.4 21.6 40.0





#40
4-Methyl-2-pentanone
Concen: 1.983 ug/L
RT: 7.796 min Scan# 2008
Delta R.T. 0.003 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16

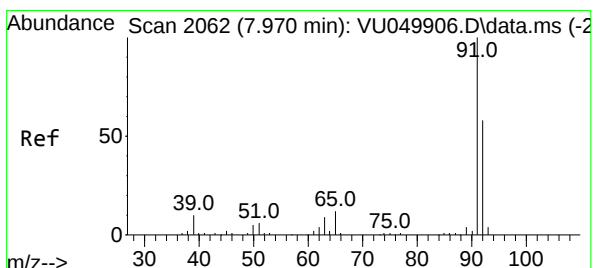
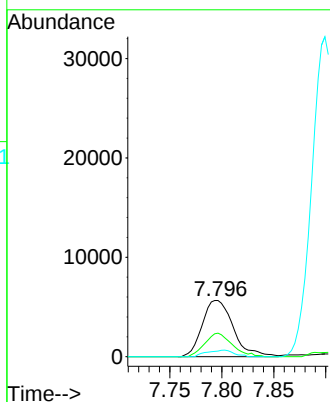
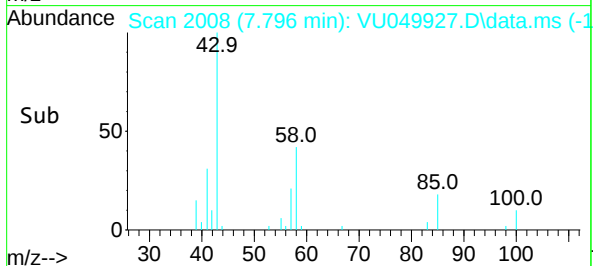
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-04



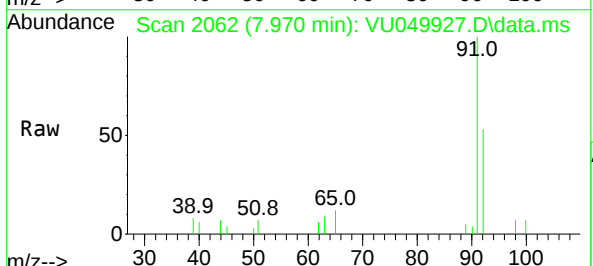
Tgt Ion: 43 Resp: 11762
Ion Ratio Lower Upper
43 100
58 36.8 31.0 46.4
100 0.0 10.4 15.6

Manual Integrations
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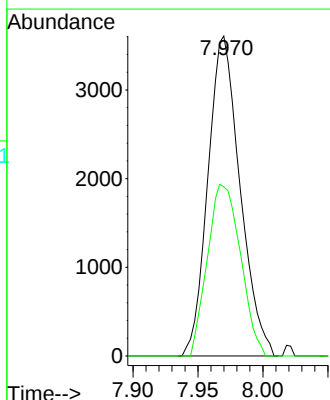
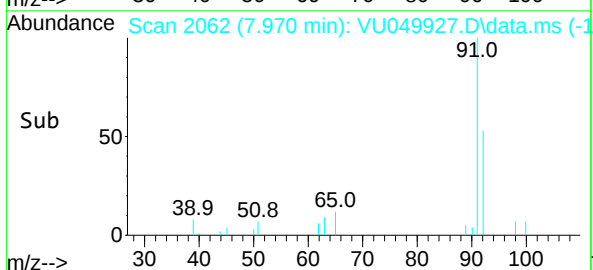
Reviewed By :John Carlone 07/27/2022
Supervised By :Mahesh Dadoda 07/27/2022

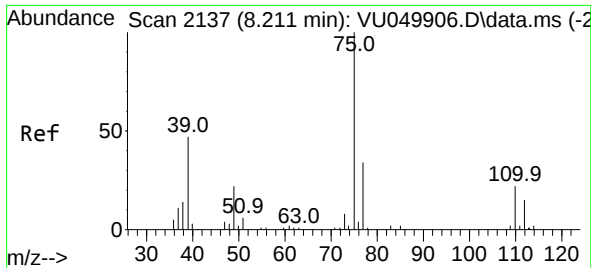


#42
Toluene
Concen: 0.208 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16



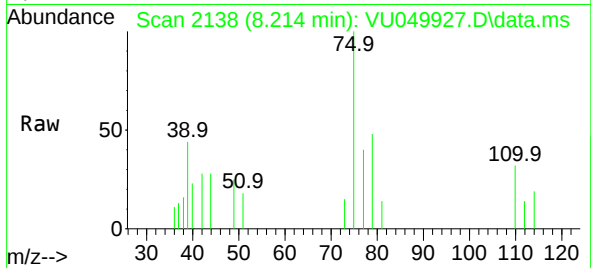
Tgt Ion: 91 Resp: 6200
Ion Ratio Lower Upper
91 100
92 52.9 39.5 73.4





#44
trans-1,3-Dichloropropene
Concen: 0.203 ug/L m
RT: 8.214 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16

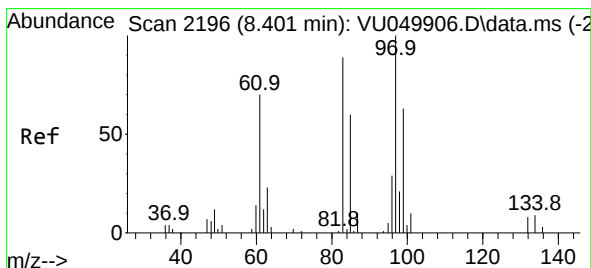
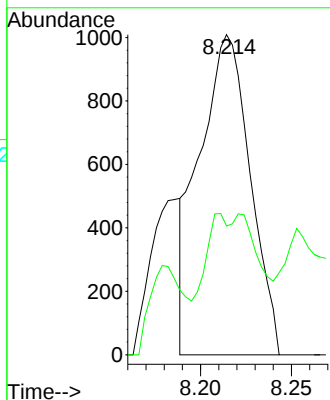
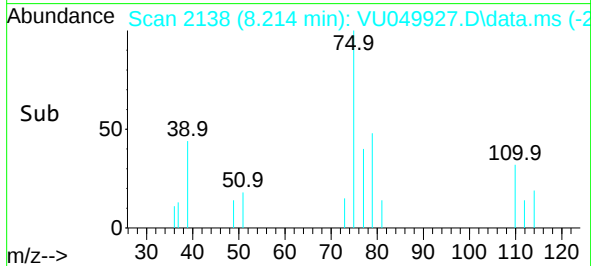
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-04



Tgt Ion: 75 Resp: 1968
Ion Ratio Lower Upper
75 100
77 40.2 21.2 39.4

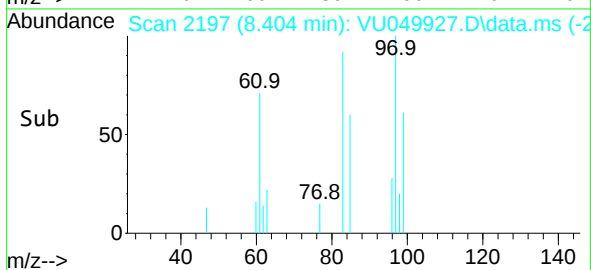
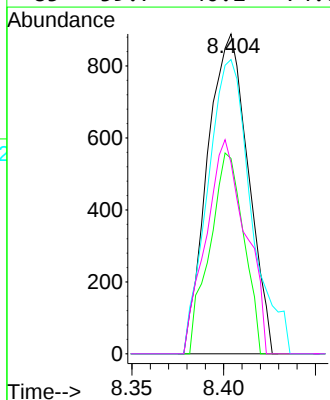
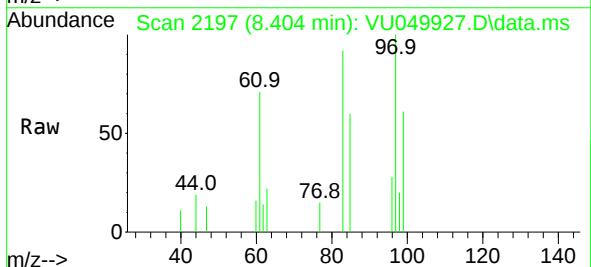
Manual Integrations
APPROVED

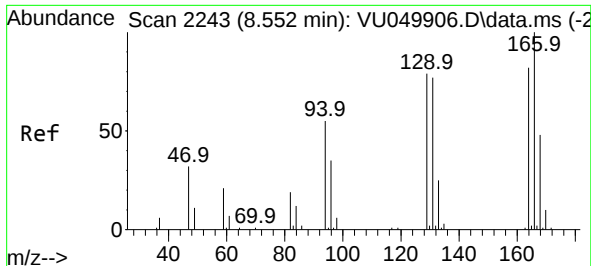
Reviewed By :John Carlone 07/27/2022
Supervised By :Mahesh Dadoda 07/27/2022



#45
1,1,2-Trichloroethane
Concen: 0.226 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.003 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16

Tgt Ion: 97 Resp: 1370
Ion Ratio Lower Upper
97 100
99 61.1 43.8 81.3
83 92.0 62.4 115.8
85 59.7 40.2 74.6





#47

Tetrachloroethene

Concen: 0.253 ug/L

RT: 8.555 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU049927.D

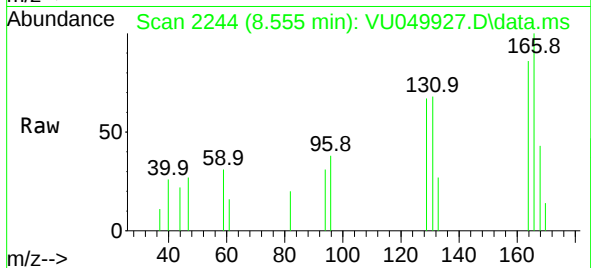
Acq: 26 Jul 2022 21:16

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2022-04



Tgt Ion:164 Resp: 1258

Ion Ratio Lower Upper

164 100

129 78.1 68.9 127.9

131 78.5 67.5 125.4

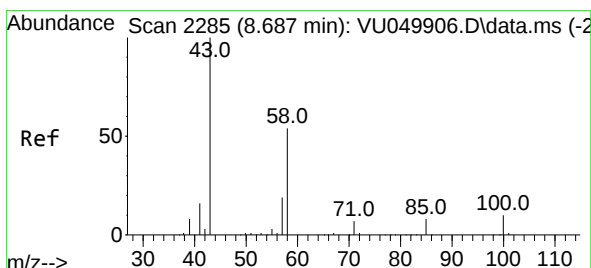
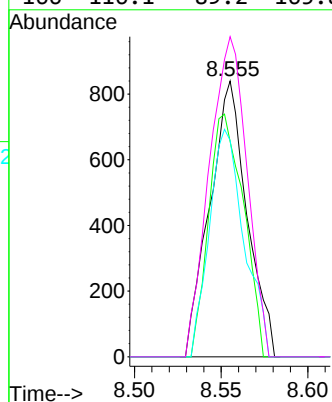
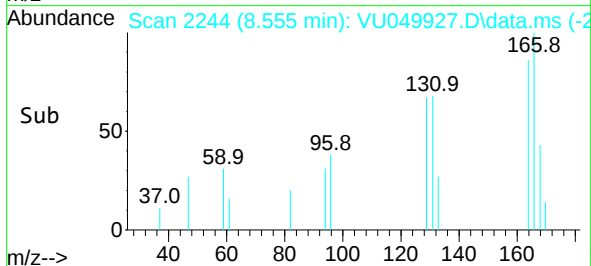
166 116.1 89.2 165.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/27/2022

Supervised By :Mahesh Dadoda 07/27/2022



#48

2-Hexanone

Concen: 7.052 ug/L m

RT: 8.687 min Scan# 2285

Delta R.T. -0.000 min

Lab File: VU049927.D

Acq: 26 Jul 2022 21:16

Tgt Ion: 43 Resp: 31217

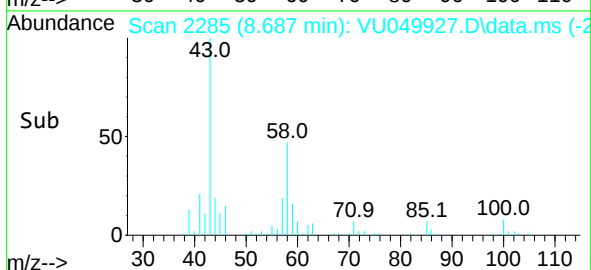
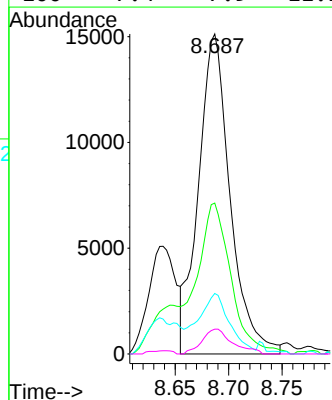
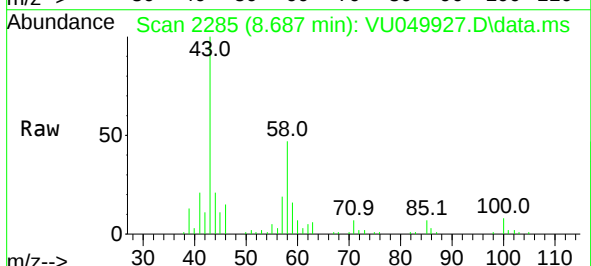
Ion Ratio Lower Upper

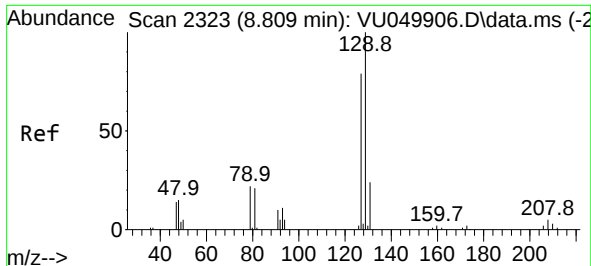
43 100

58 50.3 42.1 63.1

57 19.0 14.3 21.5

100 7.4 7.9 11.9#





#49

Dibromochloromethane

Concen: 0.221 ug/L

RT: 8.809 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU049927.D

Acq: 26 Jul 2022 21:16

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2022-04

Tgt Ion:129 Resp: 149

Ion Ratio Lower Upper

129 100

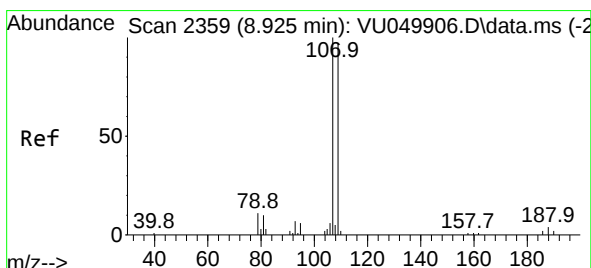
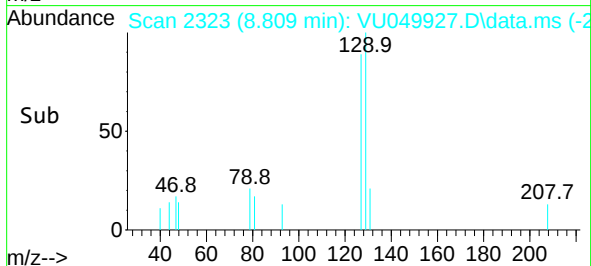
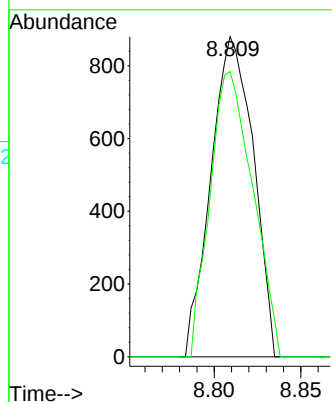
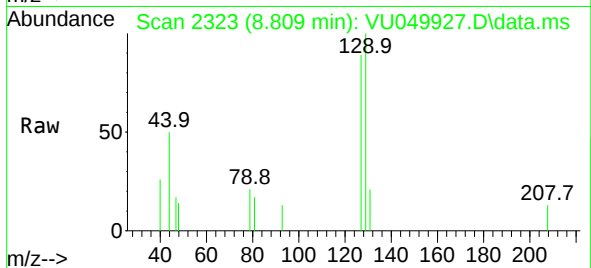
127 89.1 50.5 93.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/27/2022

Supervised By :Mahesh Dadoda 07/27/2022



#50

1,2-Dibromoethane

Concen: 0.224 ug/L

RT: 8.928 min Scan# 2360

Delta R.T. 0.003 min

Lab File: VU049927.D

Acq: 26 Jul 2022 21:16

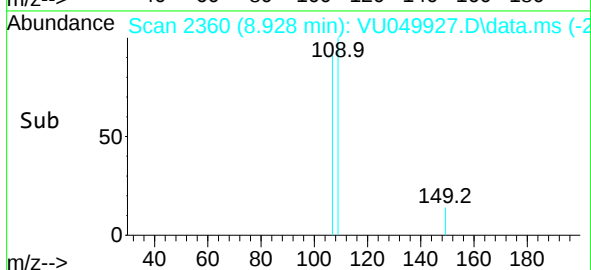
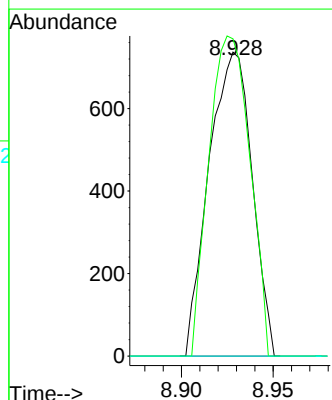
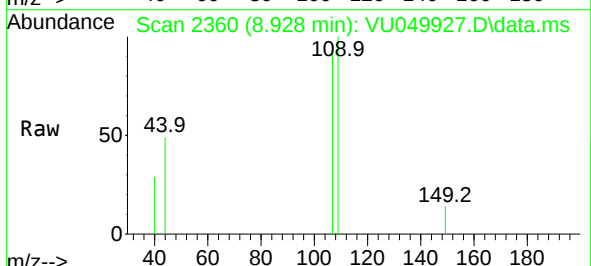
Tgt Ion:107 Resp: 1207

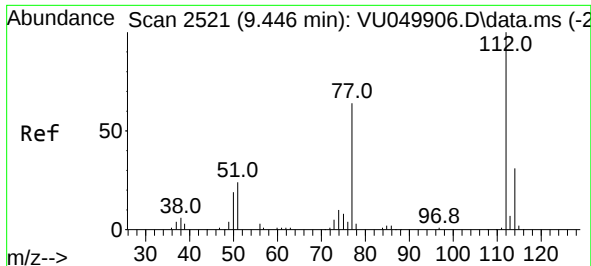
Ion Ratio Lower Upper

107 100

109 104.3 65.6 121.8

188 0.0 2.8 4.2#





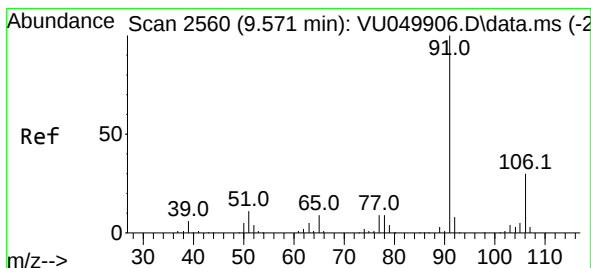
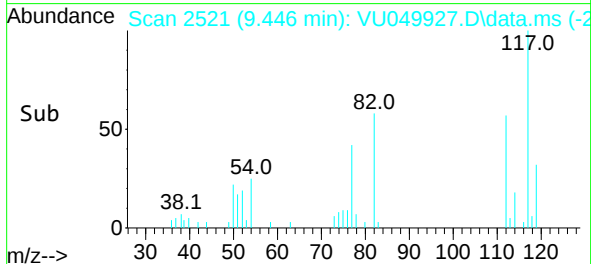
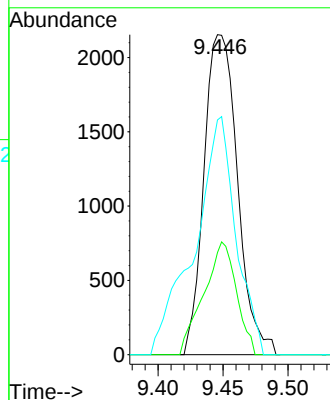
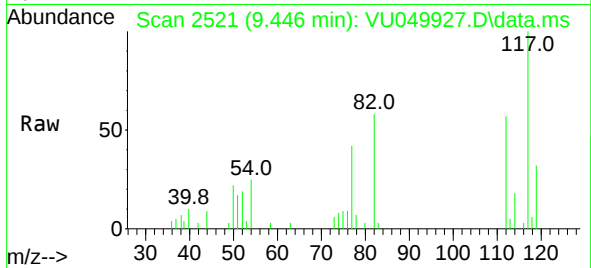
#51
Chlorobenzene
Concen: 0.205 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2022-04

Tgt Ion:112 Resp: 3875
Ion Ratio Lower Upper
112 100
114 31.9 22.4 41.6
77 73.4 51.2 76.8

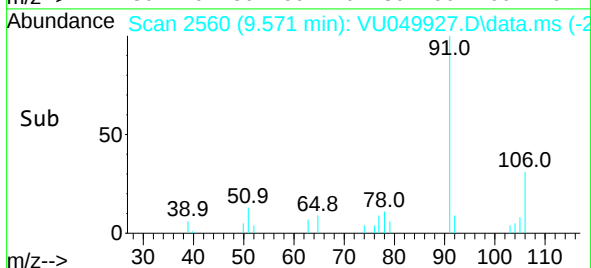
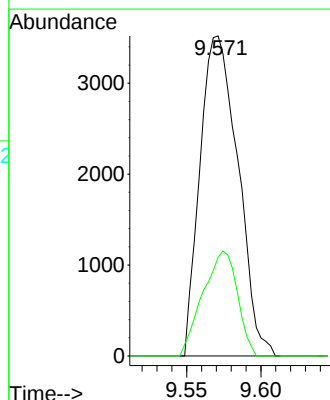
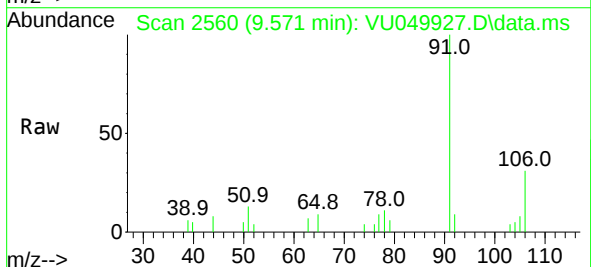
Manual Integrations
APPROVED

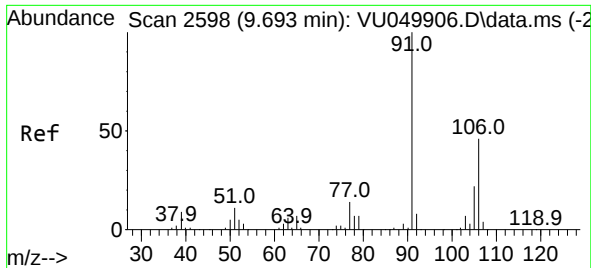
Reviewed By :John Carlone 07/27/2022
Supervised By :Mahesh Dadoda 07/27/2022



#52
Ethylbenzene
Concen: 0.204 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16

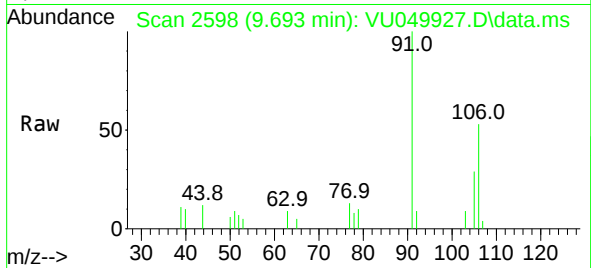
Tgt Ion: 91 Resp: 6250
Ion Ratio Lower Upper
91 100
106 30.8 20.6 38.4





#53
m,p-Xylene
Concen: 0.202 ug/L
RT: 9.693 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16

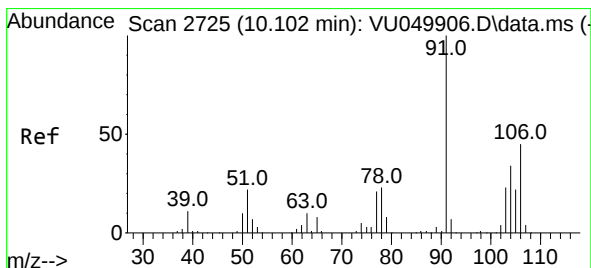
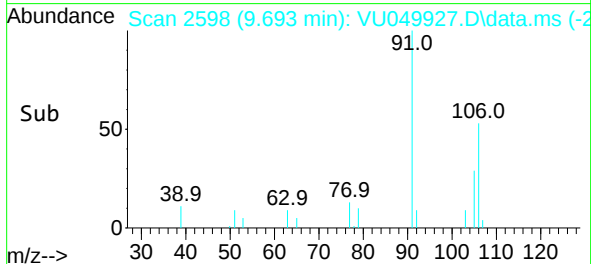
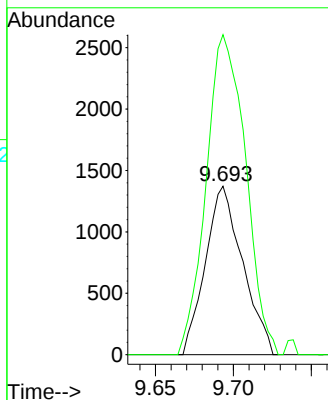
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-04



Tgt Ion:106 Resp: 227
Ion Ratio Lower Upper
106 100
91 189.9 149.7 277.9

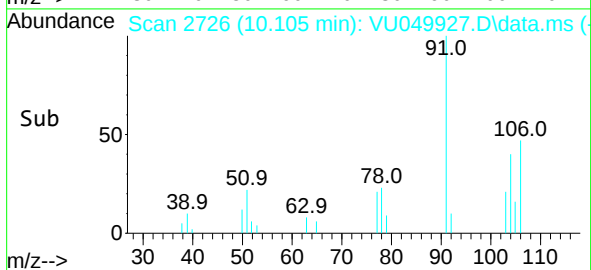
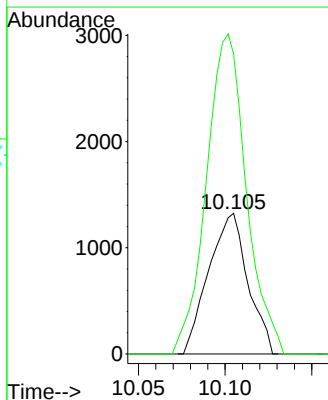
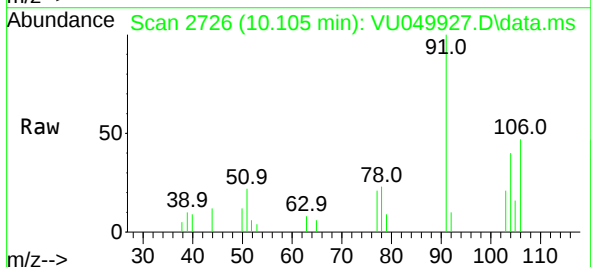
Manual Integrations
APPROVED

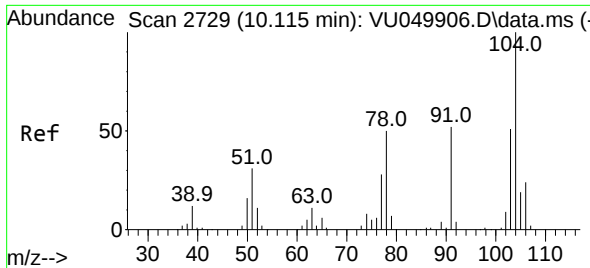
Reviewed By :John Carlone 07/27/2022
Supervised By :Mahesh Dadoda 07/27/2022



#54
o-Xylene
Concen: 0.187 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. 0.003 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16

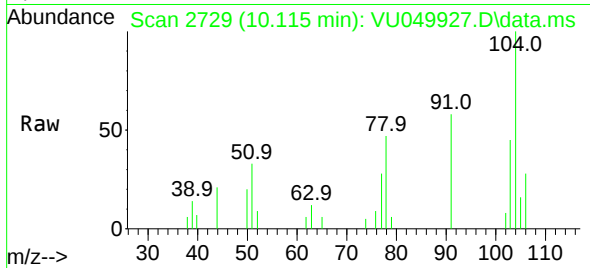
Tgt Ion:106 Resp: 2083
Ion Ratio Lower Upper
106 100
91 213.6 159.4 296.0





#55
Styrene
Concen: 0.176 ug/L
RT: 10.115 min Scan# 2119
Delta R.T. -0.000 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16

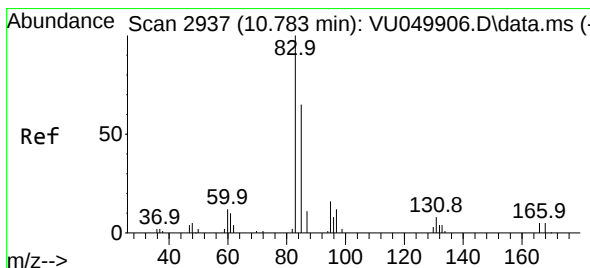
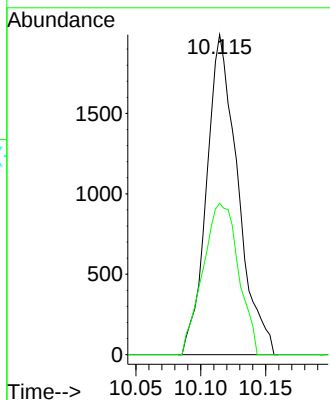
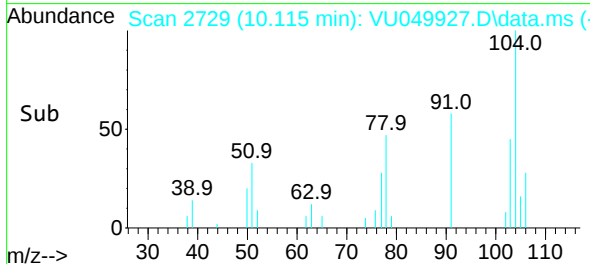
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-04



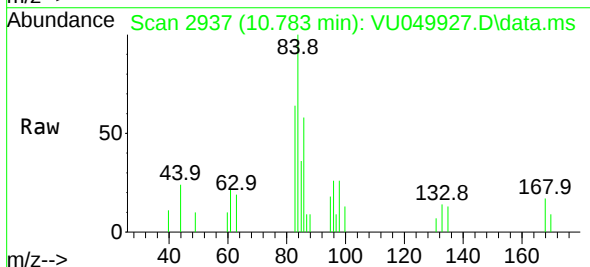
Tgt Ion:104 Resp: 3319
Ion Ratio Lower Upper
104 100
78 47.3 35.1 65.3

Manual Integrations
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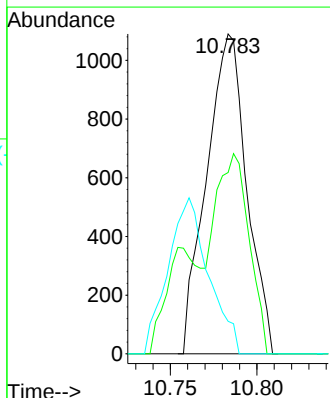
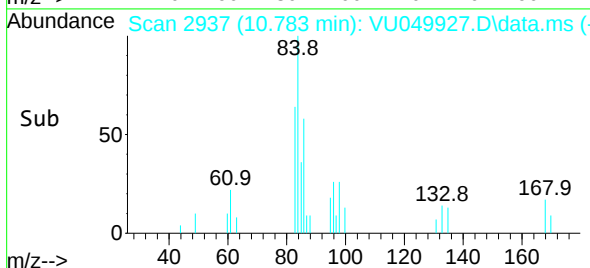
Reviewed By :John Carlone 07/27/2022
Supervised By :Mahesh Dadoda 07/27/2022

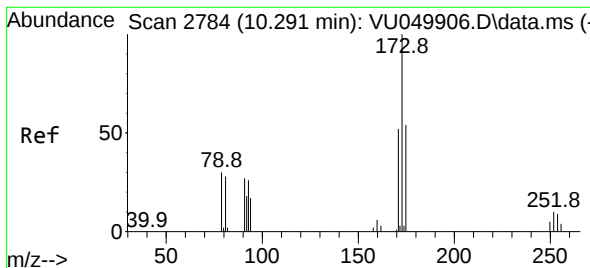


#57
1,1,2,2-Tetrachloroethane
Concen: 0.224 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16



Tgt Ion: 83 Resp: 1758
Ion Ratio Lower Upper
83 100
85 56.7 47.9 89.1
131 10.2 7.3 10.9





#59

Bromoform

Concen: 0.233 ug/L

RT: 10.291 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU049927.D

Acq: 26 Jul 2022 21:16

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2022-04

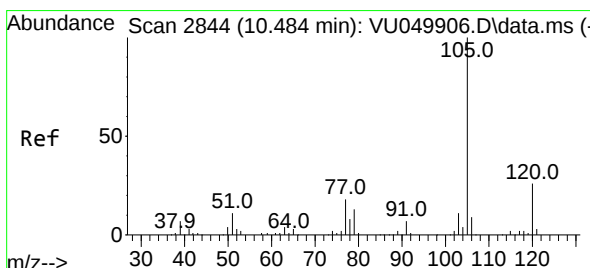
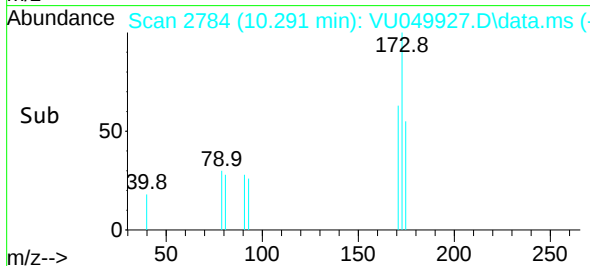
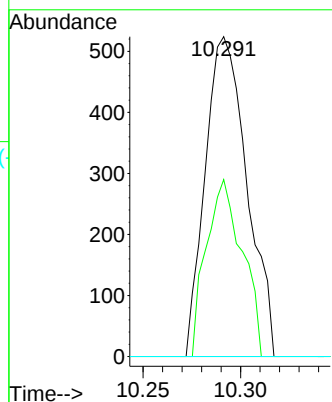
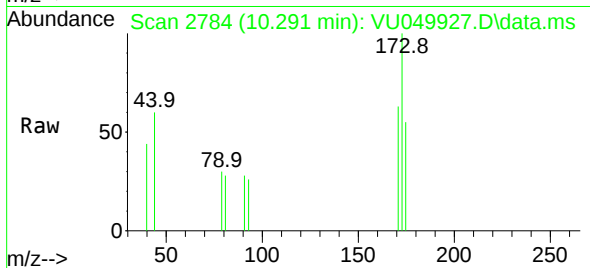
Tgt Ion:	173	Resp:	780
Ion	Ratio	Lower	Upper
173	100		
175	47.6	39.5	59.3
254	0.0	7.5	11.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/27/2022

Supervised By :Mahesh Dadoda 07/27/2022



#60

Isopropylbenzene

Concen: 0.206 ug/L

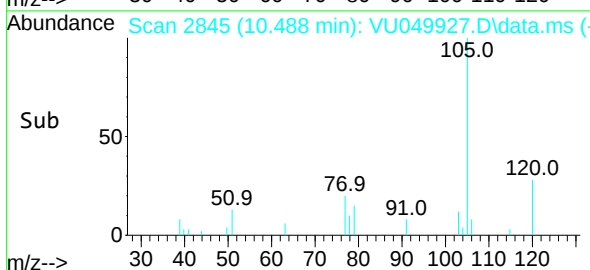
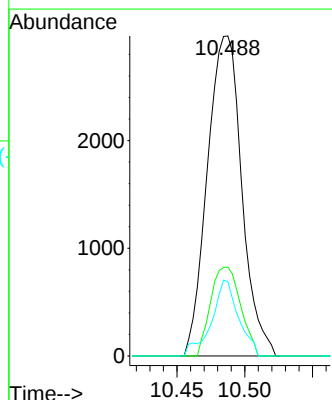
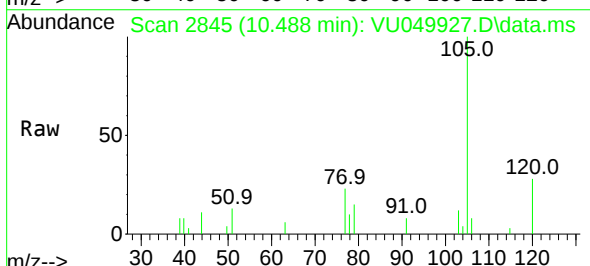
RT: 10.488 min Scan# 2845

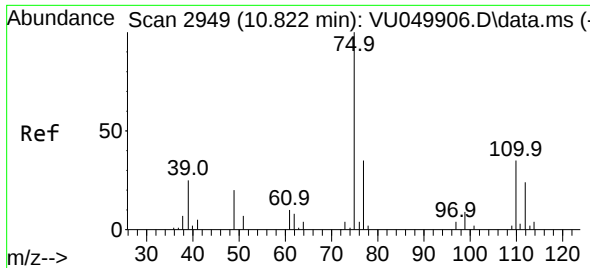
Delta R.T. 0.003 min

Lab File: VU049927.D

Acq: 26 Jul 2022 21:16

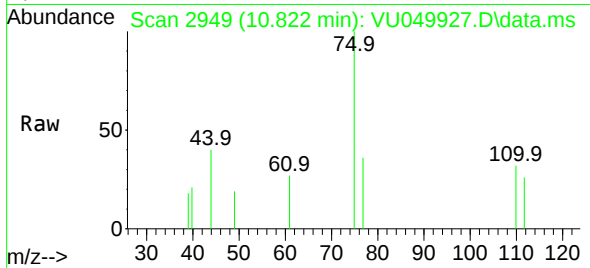
Tgt Ion:	105	Resp:	5255
Ion	Ratio	Lower	Upper
105	100		
120	24.2	20.4	30.6
77	18.6	13.8	20.8





#61
1,2,3-Trichloropropane
Concen: 0.228 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16

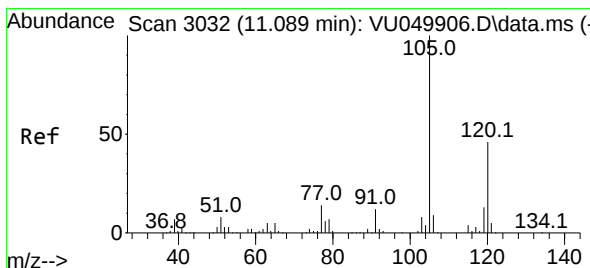
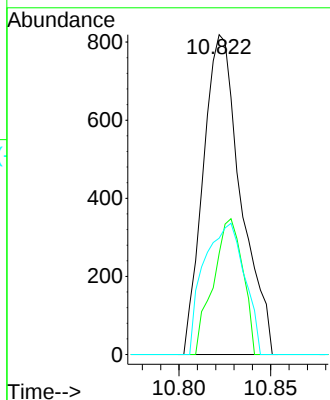
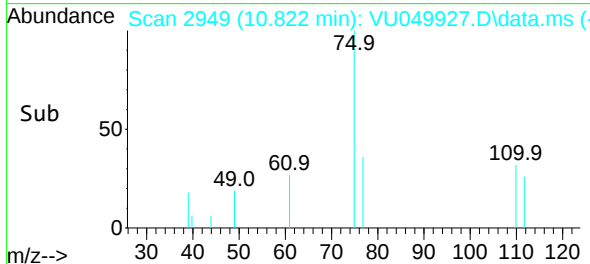
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2022-04



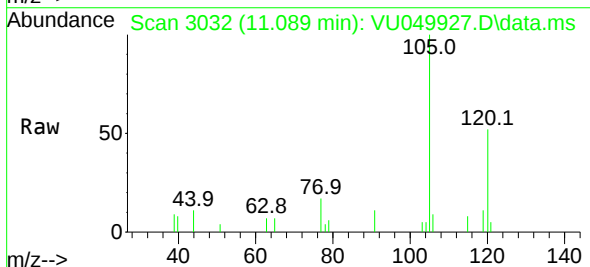
Tgt Ion: 75 Resp: 1169
Ion Ratio Lower Upper
75 100
110 33.3 28.0 42.0
77 44.1 25.4 38.2

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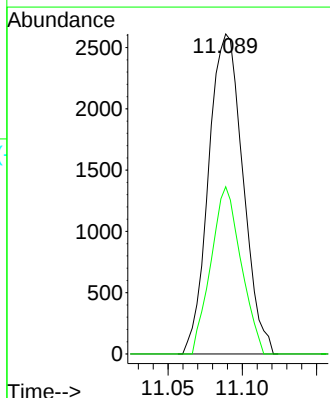
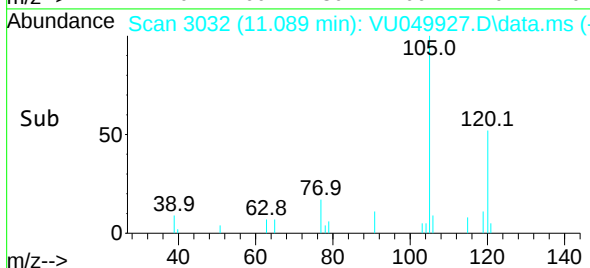
Reviewed By :John Carlone 07/27/2022
Supervised By :Mahesh Dadoda 07/27/2022

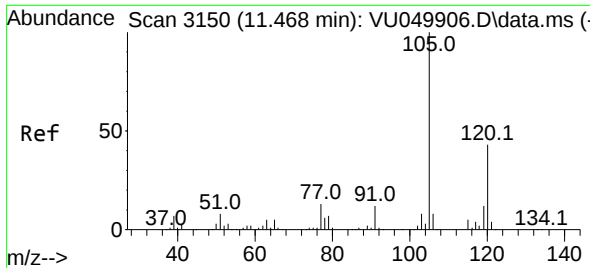


#62
1,3,5-Trimethylbenzene
Concen: 0.195 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.000 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16



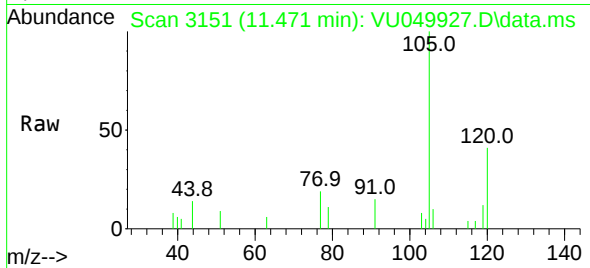
Tgt Ion:105 Resp: 4194
Ion Ratio Lower Upper
105 100
120 45.7 38.0 57.0





#63
1,2,4-Trimethylbenzene
Concen: 0.180 ug/L
RT: 11.471 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16

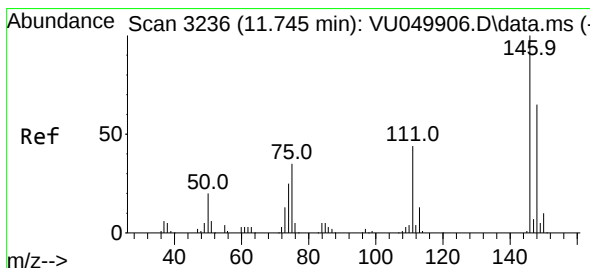
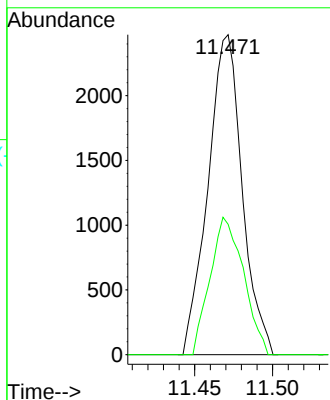
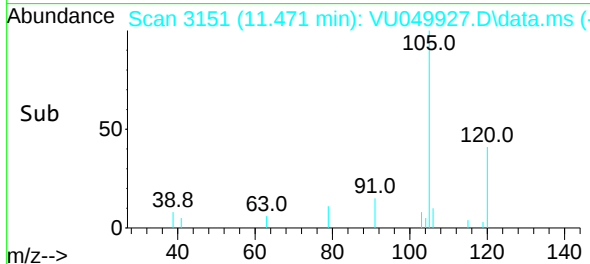
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-04



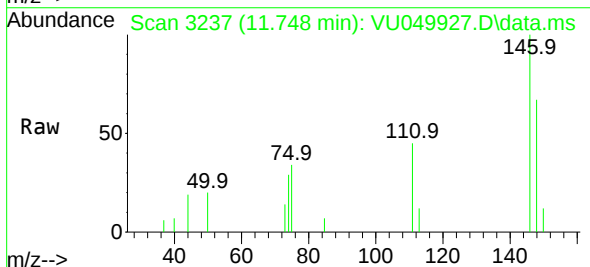
Tgt Ion:105 Resp: 3768
Ion Ratio Lower Upper
105 100
120 42.0 34.2 51.4

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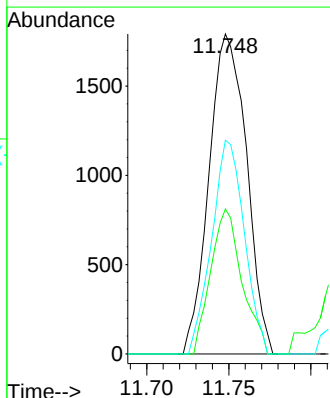
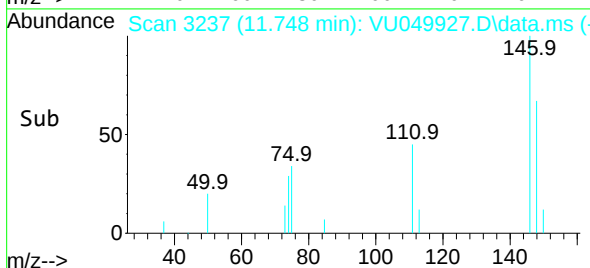
Reviewed By :John Carlone 07/27/2022
Supervised By :Mahesh Dadoda 07/27/2022

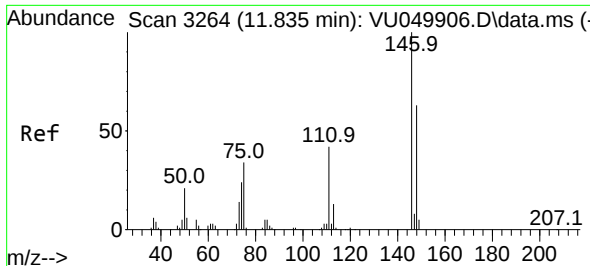


#64
1,3-Dichlorobenzene
Concen: 0.226 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. 0.003 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16



Tgt Ion:146 Resp: 2845
Ion Ratio Lower Upper
146 100
111 45.3 30.0 55.8
148 66.8 44.2 82.2





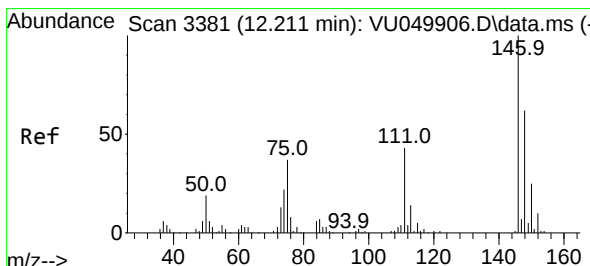
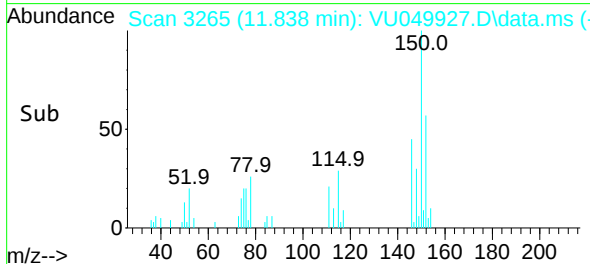
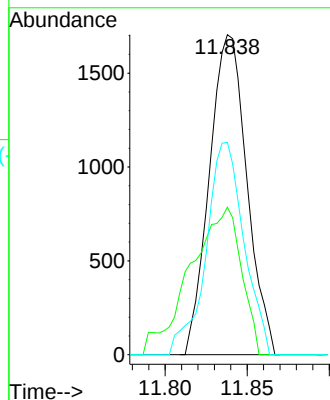
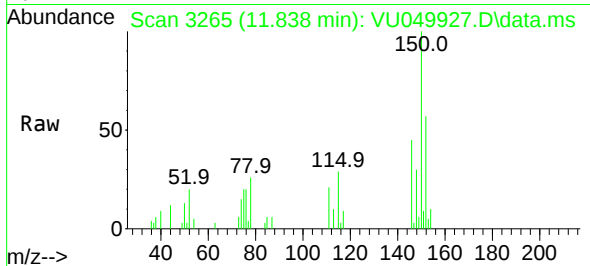
#65
1,4-Dichlorobenzene
Concen: 0.217 ug/L
RT: 11.838 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-04

Tgt Ion:146 Resp: 270
Ion Ratio Lower Upper
146 100
111 46.1 29.5 54.7
148 66.3 44.1 81.9

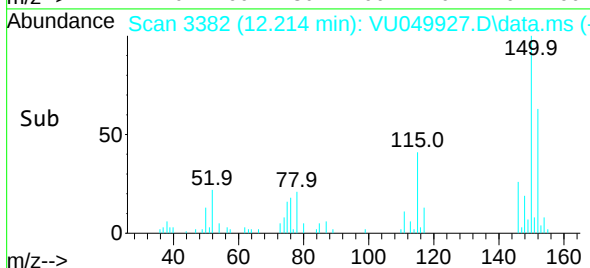
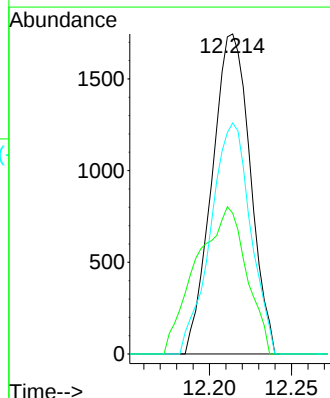
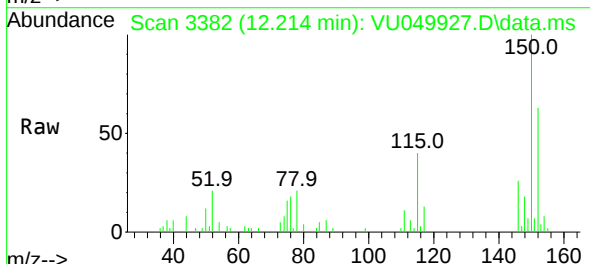
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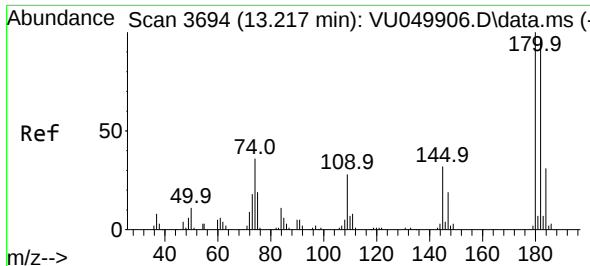
Reviewed By :John Carlone 07/27/2022
Supervised By :Mahesh Dadoda 07/27/2022



#67
1,2-Dichlorobenzene
Concen: 0.227 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16

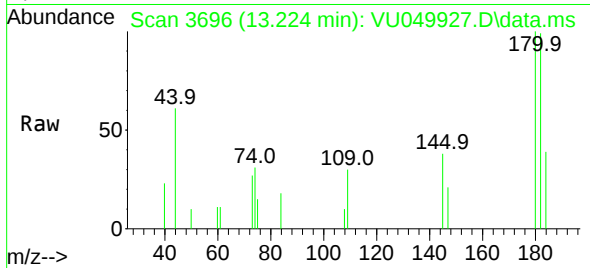
Tgt Ion:146 Resp: 2821
Ion Ratio Lower Upper
146 100
111 44.0 35.8 53.8
148 72.2 50.3 75.5





#69
 1,3,5-Trichlorobenzene
 Concen: 0.184 ug/L
 RT: 13.224 min Scan# 3696
 Delta R.T. 0.006 min
 Lab File: VU049927.D
 Acq: 26 Jul 2022 21:16

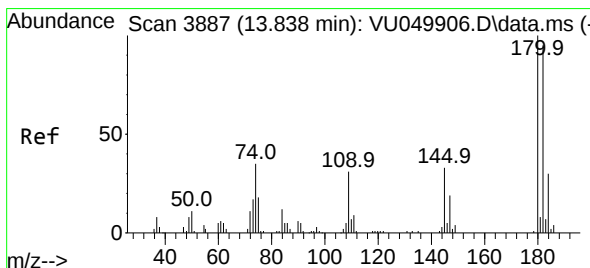
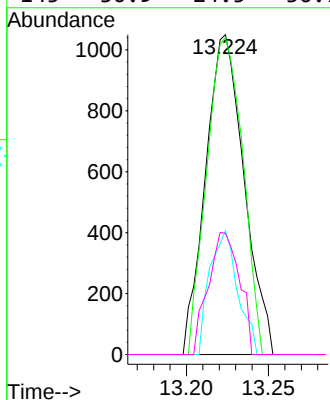
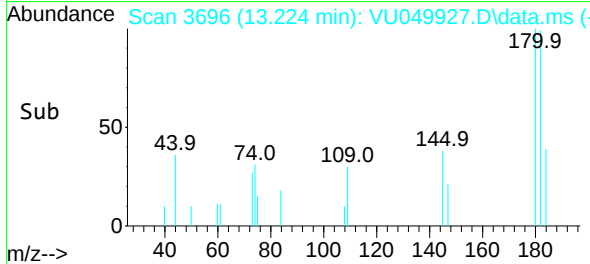
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2022-04



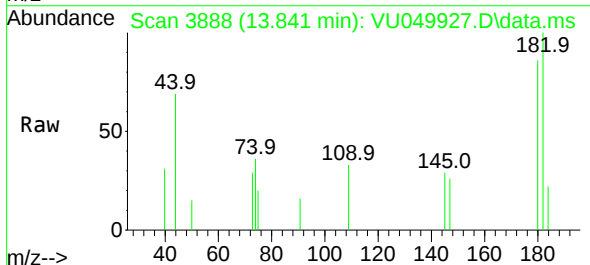
Tgt Ion:180 Resp: 171.1
 Ion Ratio Lower Upper
 180 100
 182 92.5 77.2 115.8
 184 28.3 25.3 37.9
 145 30.9 24.5 36.7

Manual Integrations
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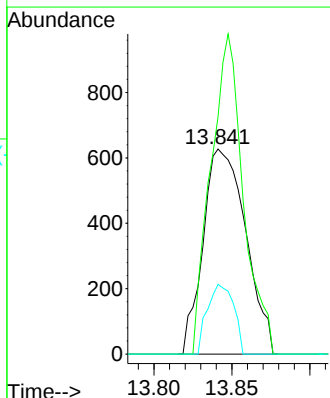
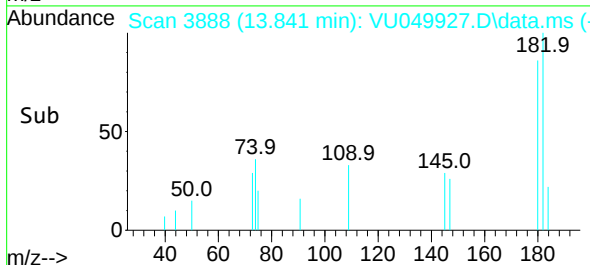
Reviewed By :John Carlone 07/27/2022
 Supervised By :Mahesh Dadoda 07/27/2022

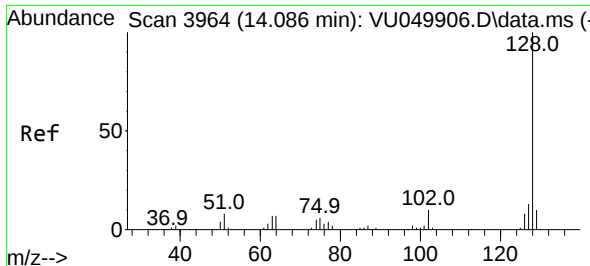


#70
 1,2,4-trichlorobenzene
 Concen: 0.153 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU049927.D
 Acq: 26 Jul 2022 21:16



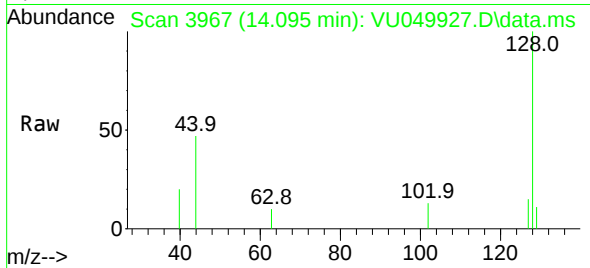
Tgt Ion:180 Resp: 1197
 Ion Ratio Lower Upper
 180 100
 182 119.0 77.0 115.4#
 145 21.0 26.1 39.1#





#71
Naphthalene
Concen: 0.127 ug/L
RT: 14.095 min Scan# 3964
Delta R.T. 0.010 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16

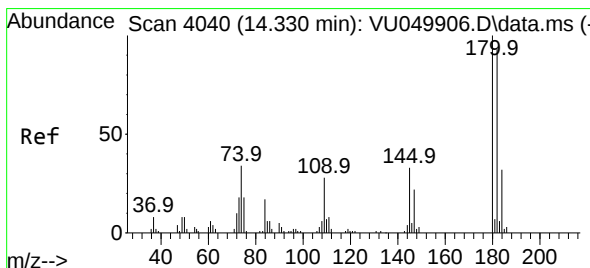
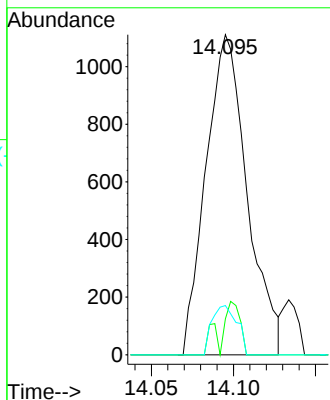
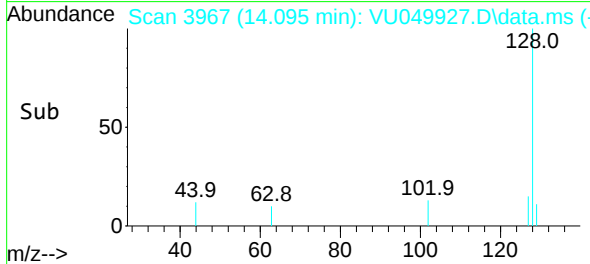
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-04



Tgt Ion:128 Resp: 1940
Ion Ratio Lower Upper
128 100
129 5.9 8.2 12.4
127 9.4 11.1 16.7

Manual Integrations
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Reviewed By :John Carlone 07/27/2022
Supervised By :Mahesh Dadoda 07/27/2022



#72
1,2,3-Trichlorobenzene
Concen: 0.214 ug/L
RT: 14.339 min Scan# 4043
Delta R.T. 0.010 min
Lab File: VU049927.D
Acq: 26 Jul 2022 21:16

Tgt Ion:180 Resp: 1610
Ion Ratio Lower Upper
180 100
182 77.7 73.9 110.9
145 18.4 27.8 41.6

