

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032622\
 Data File : VN071567.D
 Acq On : 26 Mar 2022 12:04
 Operator : JC\MD
 Sample : N1645-09 4PPB MDL
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2022DL

Quant Time: Mar 28 01:43:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Mar 28 01:40:30 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/28/2022
 Supervised By : Mahesh Dadoda 03/28/2022

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

Internal Standards						
1) Bromochloromethane	7.657	128	128969	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	704044	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	624811	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.428	65	272744	30.016	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.067%			
60) 4-Bromofluorobenzene	12.727	95	263189	28.409	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.700%			
63) Toluene-d8	10.439	98	877062	30.923	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.067%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	27055	3.370	ug/l	97
3) Chloromethane	2.299	50	35240	3.725	ug/l	95
4) Vinyl Chloride	2.440	62	39222	3.615	ug/l	99
5) Bromomethane	2.846	94	27691	4.331	ug/l	99
6) Chloroethane	3.010	64	27621	3.975	ug/l	90
7) Trichlorofluoromethane	3.375	101	48228	3.812	ug/l	89
8) Diethyl Ether	3.822	74	19300	3.631	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.204	101	29590	3.906	ug/l #	66
10) 1,1-Dichloroethene	4.181	96	27994	3.747	ug/l	95
11) Methyl Iodide	4.416	142	39002	3.562	ug/l	87
12) Methyl Acetate	4.857	43	47329	4.495	ug/l	98
13) Acrolein	4.034	56	18626	16.627	ug/l	99
14) Acrylonitrile	5.551	53	83791	17.570	ug/l	94
15) Acetone	4.287	58	27808	20.262	ug/l	84
16) Carbon Disulfide	4.534	76	70970	3.648	ug/l	98
17) Allyl chloride	4.834	41	41216	3.401	ug/l	85
18) Methylene Chloride	5.093	84	35694	3.982	ug/l	90
19) trans-1,2-Dichloroethene	5.598	96	29979	3.751	ug/l	90
20) Diisopropyl ether	6.492	45	90637	3.574	ug/l	94
21) 1,1-Dichloroethane	6.387	63	57238	3.739	ug/l	97
22) cis-1,2-Dichloroethene	7.322	96	36995	3.810	ug/l	96
23) tert-Butyl Alcohol	5.363	59	28619	16.817	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	96362	3.573	ug/l	95
25) Chloroform	7.810	83	60324	3.918	ug/l	99
26) Cyclohexane	8.092	56	46631	3.524	ug/l #	97
29) 1,1-Dichloropropene	8.216	75	40970	3.595	ug/l	97
30) 2-Butanone	7.328	43	116266	18.329	ug/l	98
31) 2,2-Dichloropropane	7.322	77	46538	3.585	ug/l #	75
32) 1,1,1-Trichloroethane	8.016	97	48663	3.666	ug/l	98
33) Carbon Tetrachloride	8.204	117	40829	3.634	ug/l	99
34) Benzene	8.457	78	133808	3.779	ug/l #	89
35) Methacrylonitrile	7.628	41	22413	3.683	ug/l	93
36) 1,2-Dichloroethane	8.528	62	48377	3.917	ug/l	95
37) Trichloroethene	9.210	130	34663	3.794	ug/l	91
38) Methylcyclohexane	9.451	83	49020	3.413	ug/l	95
39) 1,2-Dichloropropane	9.486	63	33135	3.741	ug/l	98
40) Dibromomethane	9.575	93	22913	3.822	ug/l	88
41) Bromodichloromethane	9.757	83	42748	3.563	ug/l	100
42) Vinyl Acetate	6.428	43	367091	16.890	ug/l	96

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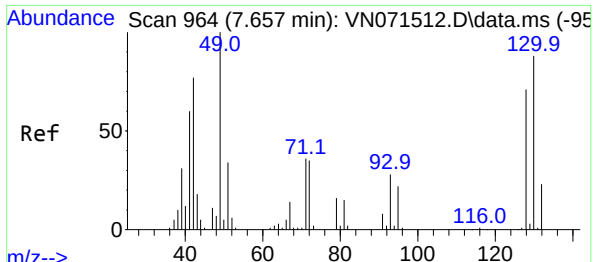
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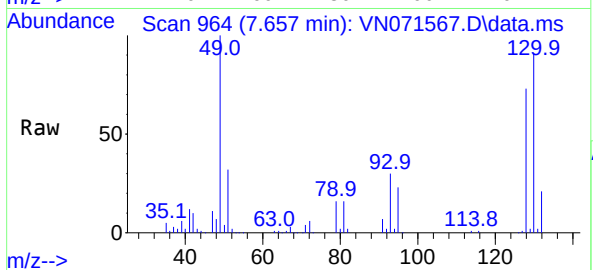
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	45409	3.692	ug/l	95
44) Isopropyl Acetate	8.557	43	88581	4.490	ug/l	95
45) 1,4-Dioxane	9.563	88	14634	73.522	ug/l	94
46) Methyl methacrylate	9.551	41	28940	3.345	ug/l	78
47) n-amyl Acetate	12.380	43	38158	2.899	ug/l #	90
48) t-1,3-Dichloropropene	10.716	75	43256	3.317	ug/l	94
49) cis-1,3-Dichloropropene	10.186	75	46180	3.238	ug/l	90
50) 1,1,2-Trichloroethane	10.892	97	33366	3.723	ug/l	98
51) Ethyl methacrylate	10.757	69	44576	3.221	ug/l	83
52) 1,3-Dichloropropane	11.039	76	58507	3.822	ug/l	99
53) Dibromochloromethane	11.233	129	32995	3.556	ug/l	98
54) 1,2-Dibromoethane	11.345	107	33964	3.684	ug/l	98
55) 2-Chloroethyl vinyl ether	10.039	63	27250	7.308	ug/l	99
56) Bromoform	12.457	173	23514	3.287	ug/l #	98
58) 4-Methyl-2-Pentanone	10.328	43	210987	17.789	ug/l	95
59) 2-Hexanone	11.080	43	152921	17.659	ug/l	93
61) Tetrachloroethene	10.975	164	31747	4.175	ug/l	92
62) Toluene	10.504	91	145482	3.840	ug/l	96
64) Chlorobenzene	11.763	112	90666	3.880	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.839	131	32618	3.805	ug/l	98
66) Ethyl Benzene	11.839	91	147531	3.583	ug/l	100
67) m/p-Xylenes	11.951	106	113895	7.111	ug/l	95
68) o-Xylene	12.274	106	56664	3.559	ug/l	92
69) Styrene	12.292	104	79679	3.180	ug/l	99
70) Isopropylbenzene	12.574	105	133191	3.333	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.821	83	50614	3.892	ug/l	99
72) 1,2,3-Trichloropropane	12.874	75	44452m	3.979	ug/l	
73) Bromobenzene	12.857	156	35341	3.626	ug/l	95
74) n-propylbenzene	12.916	91	144272	3.308	ug/l	99
75) 2-Chlorotoluene	13.004	91	96717	3.549	ug/l	98
76) 1,3,5-Trimethylbenzene	13.057	105	107068	3.340	ug/l	95
77) t-1,4-Dichloro-2-butene	12.627	75	11498	2.931	ug/l	81
78) 4-Chlorotoluene	13.104	91	85434	3.357	ug/l	97
79) tert-butylbenzene	13.321	119	95717	3.309	ug/l	96
80) 1,2,4-Trimethylbenzene	13.363	105	99241m	3.191	ug/l	
81) sec-Butylbenzene	13.498	105	127138	3.271	ug/l	98
82) p-Isopropyltoluene	13.610	119	97670	3.093	ug/l	96
83) 1,3-Dichlorobenzene	13.610	146	54426	3.412	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	52236	3.431	ug/l	99
85) n-Butylbenzene	13.939	91	64328	2.742	ug/l	97
86) Hexachloroethane	14.204	117	19632	3.329	ug/l	83
87) 1,2-Dichlorobenzene	13.986	146	55463	3.597	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.598	75	7444	3.217	ug/l	90
89) 1,2,4-Trichlorobenzene	15.257	180	18893m	2.651	ug/l	
90) Hexachlorobutadiene	15.362	225	16335	3.867	ug/l	99
91) Naphthalene	15.504	128	34087	1.720	ug/l	96
92) 1,2,3-Trichlorobenzene	15.698	180	17642	2.524	ug/l	97

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

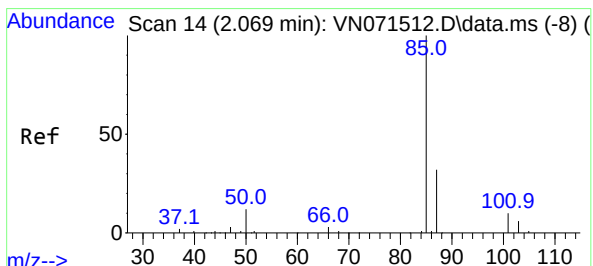
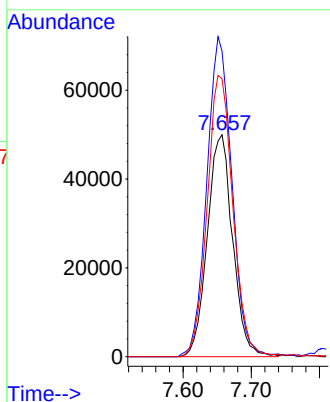
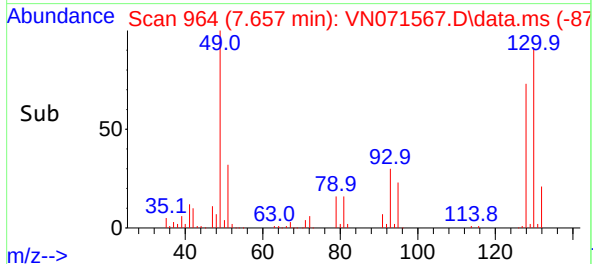
Instrument :
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ClientSampleId :
MDL-WATER-03-QT1-2022DL



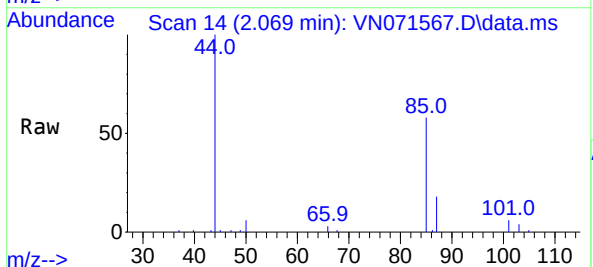
Tgt Ion:128 Resp: 128969
Ion Ratio Lower Upper
128 100
49 142.6 0.0 392.3
130 128.8 0.0 320.2

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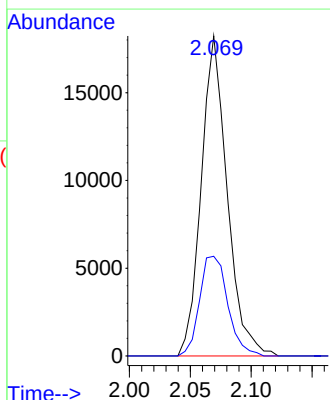
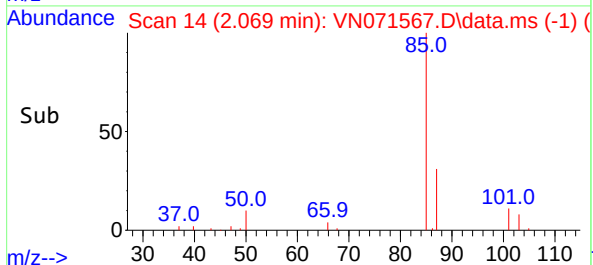
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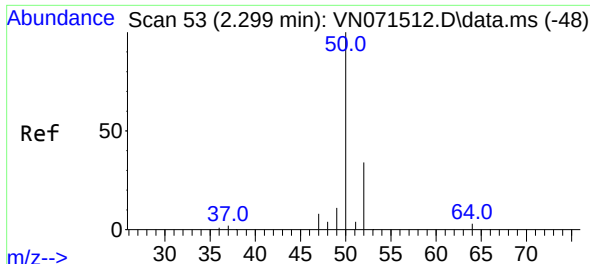


#2
Dichlorodifluoromethane
Concen: 3.370 ug/l
RT: 2.069 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04



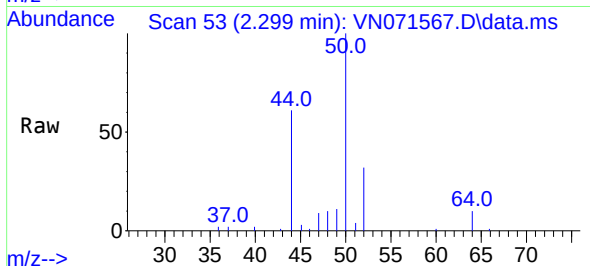
Tgt Ion: 85 Resp: 27055
Ion Ratio Lower Upper
85 100
87 31.2 16.6 49.7





#3
Chloromethane
Concen: 3.725 ug/l
RT: 2.299 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

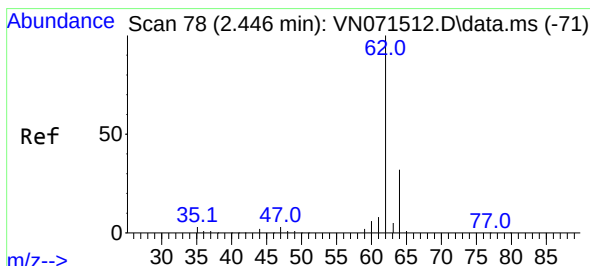
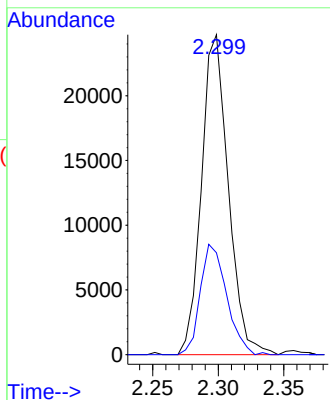
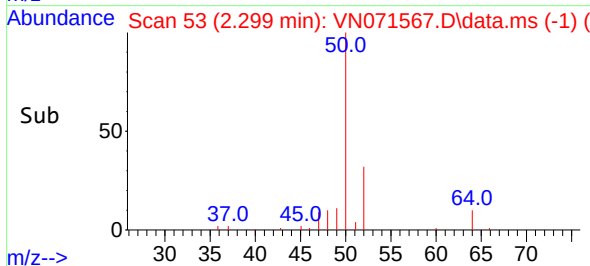
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MSVOA_N
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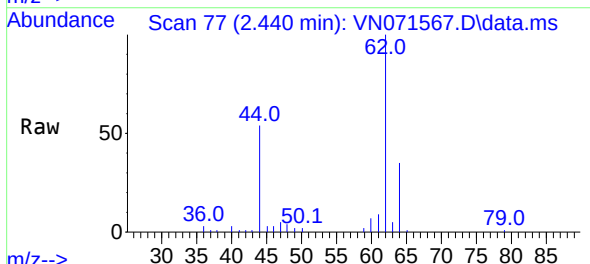
Tgt Ion: 50 Resp: 35240
Ion Ratio Lower Upper
50 100
52 31.9 27.8 41.6

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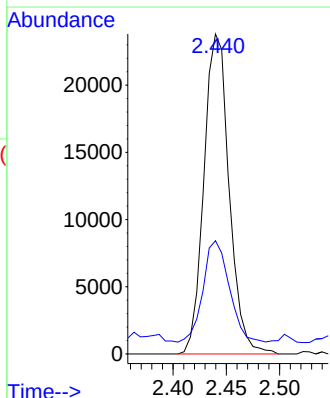
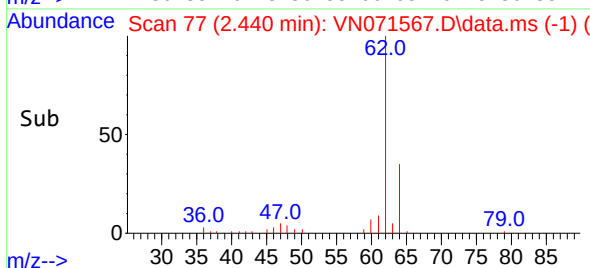
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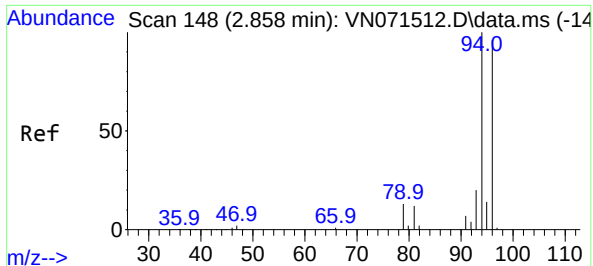


#4
Vinyl Chloride
Concen: 3.615 ug/l
RT: 2.440 min Scan# 77
Delta R.T. -0.006 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04



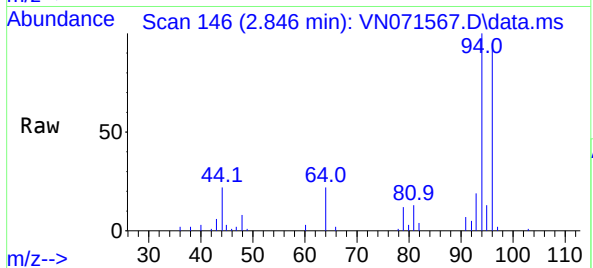
Tgt Ion: 62 Resp: 39222
Ion Ratio Lower Upper
62 100
64 31.7 25.1 37.7





#5
Bromomethane
Concen: 4.331 ug/l
RT: 2.846 min Scan# 14
Delta R.T. -0.012 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

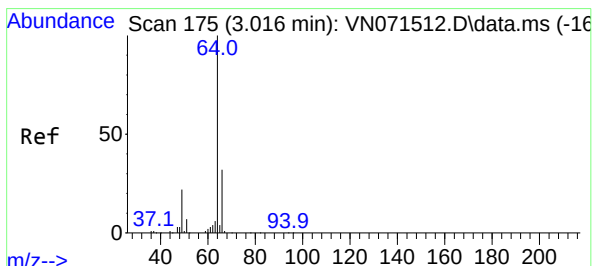
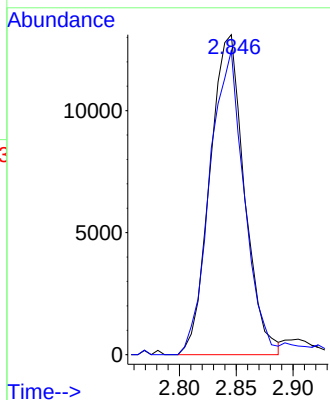
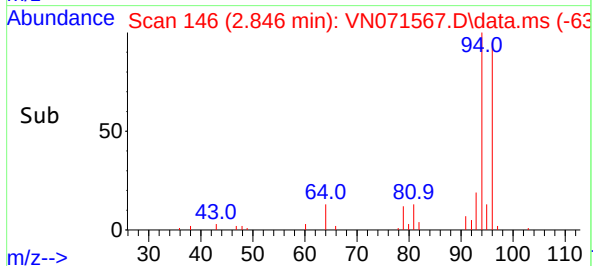
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MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022DL



Tgt Ion: 94 Resp: 2769
Ion Ratio Lower Upper
94 100
96 95.0 75.2 112.8

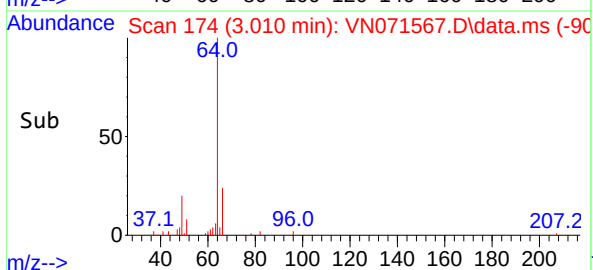
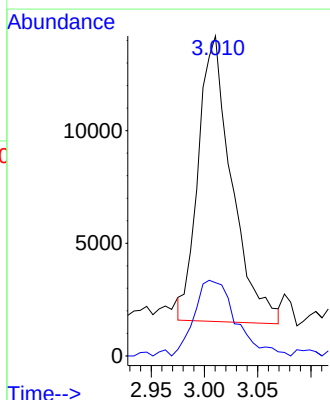
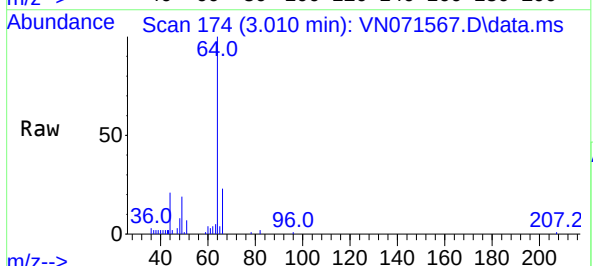
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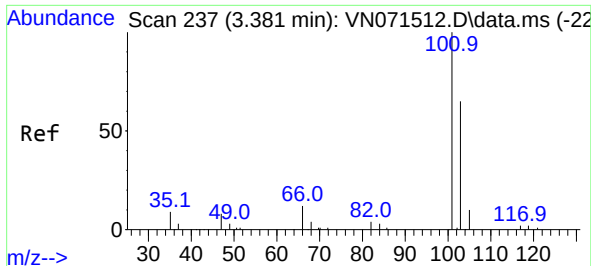
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#6
Chloroethane
Concen: 3.975 ug/l
RT: 3.010 min Scan# 174
Delta R.T. -0.006 min
Lab File: VN071567.D
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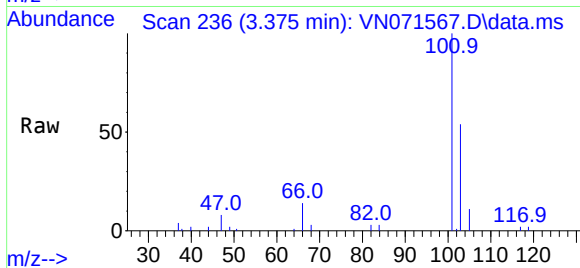
Tgt Ion: 64 Resp: 27621
Ion Ratio Lower Upper
64 100
66 25.3 24.6 36.8





#7
 Trichlorofluoromethane
 Concen: 3.812 ug/l
 RT: 3.375 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN071567.D
 Acq: 26 Mar 2022 12:04

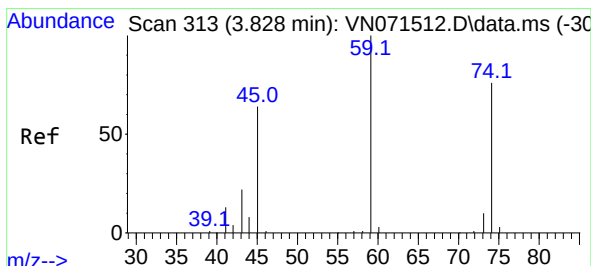
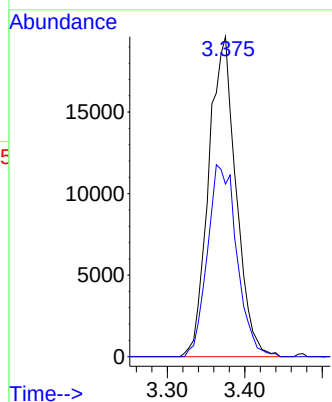
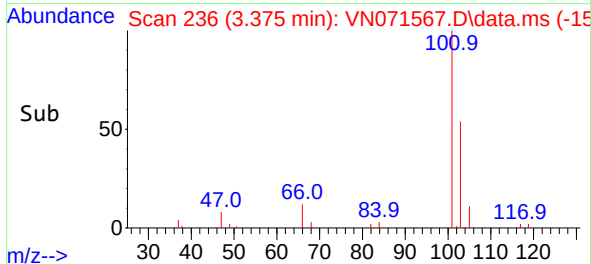
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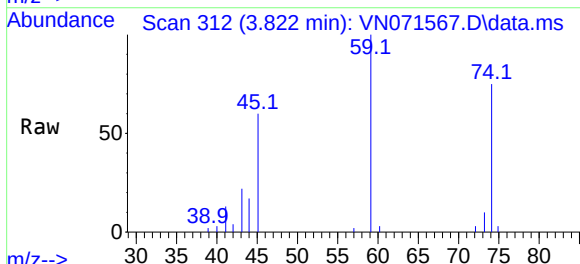
Tgt Ion:101 Resp: 48228
 Ion Ratio Lower Upper
 101 100
 103 53.9 50.1 75.1

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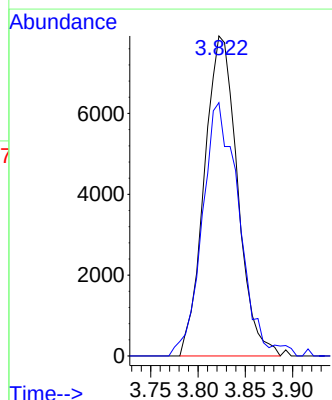
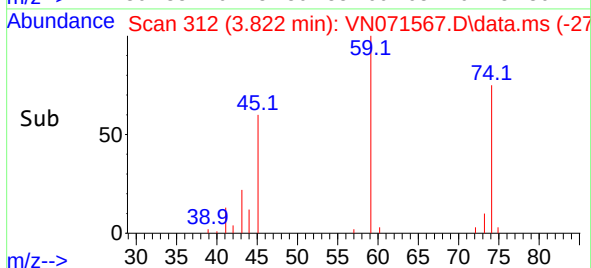
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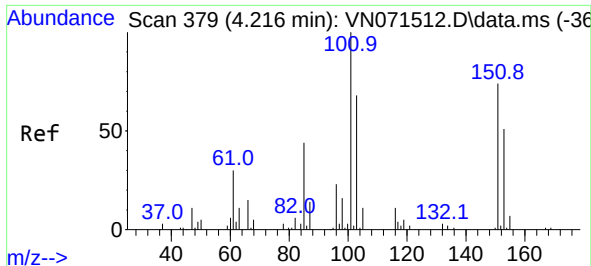


#8
 Diethyl Ether
 Concen: 3.631 ug/l
 RT: 3.822 min Scan# 312
 Delta R.T. -0.006 min
 Lab File: VN071567.D
 Acq: 26 Mar 2022 12:04



Tgt Ion: 74 Resp: 19300
 Ion Ratio Lower Upper
 74 100
 45 85.8 17.6 158.8





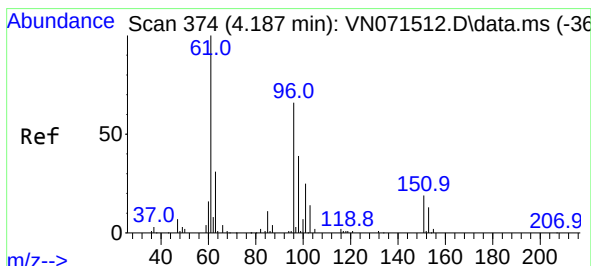
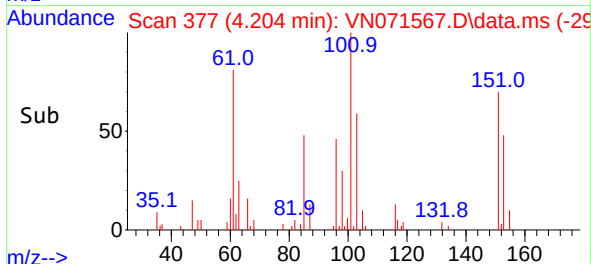
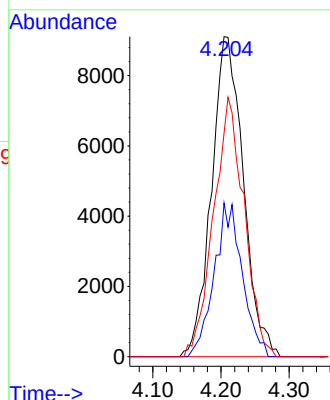
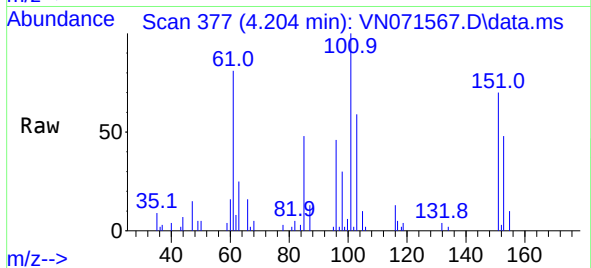
#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.906 ug/l
RT: 4.204 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

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

Tgt Ion:101 Resp: 29590
Ion Ratio Lower Upper
101 100
85 42.4 0.0 94.0
151 77.8 0.0 74.6

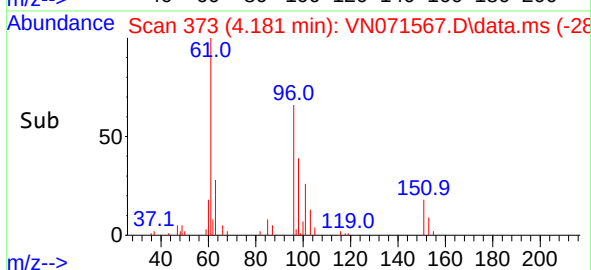
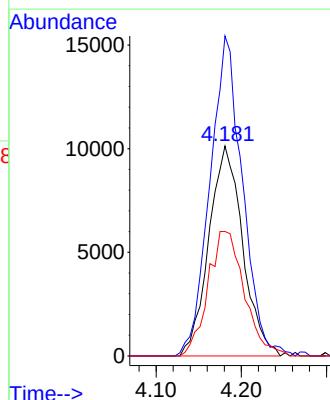
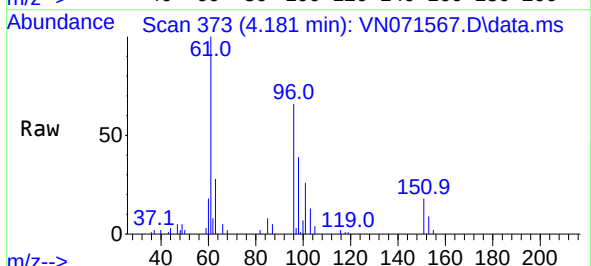
Manual Integrations
APPROVED

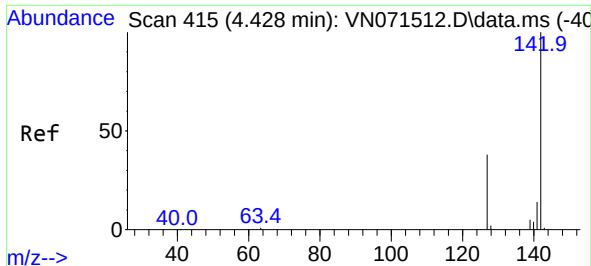
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#10
1,1-Dichloroethene
Concen: 3.747 ug/l
RT: 4.181 min Scan# 373
Delta R.T. -0.006 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

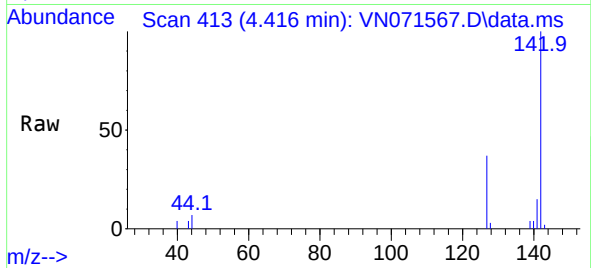
Tgt Ion: 96 Resp: 27994
Ion Ratio Lower Upper
96 100
61 150.9 126.2 189.4
98 59.3 50.9 76.3





#11
Methyl Iodide
Concen: 3.562 ug/l
RT: 4.416 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

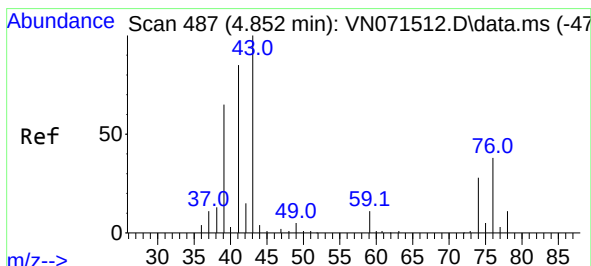
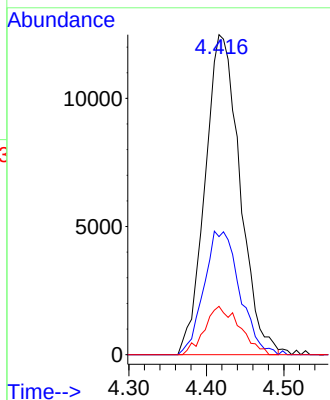
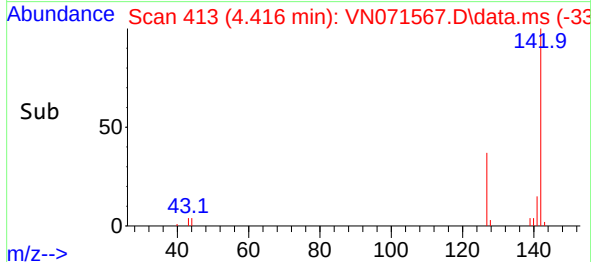
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022DL



Tgt Ion:142 Resp: 3900
Ion Ratio Lower Upper
142 100
127 37.2 24.0 72.0
141 15.2 8.4 25.2

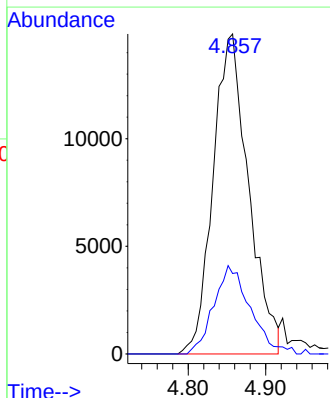
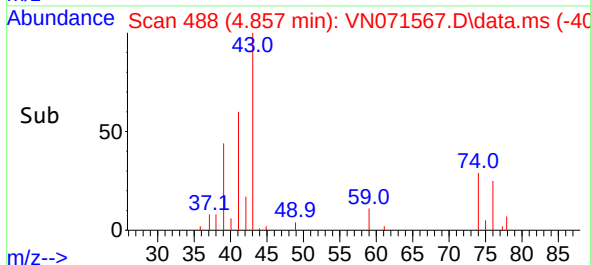
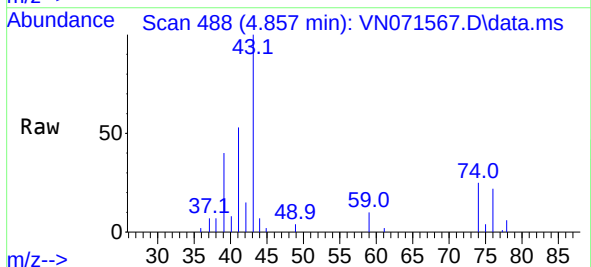
Manual Integrations
APPROVED

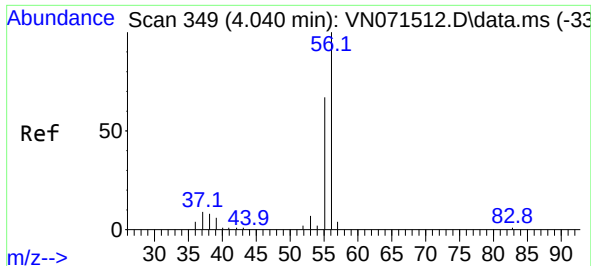
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#12
Methyl Acetate
Concen: 4.495 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

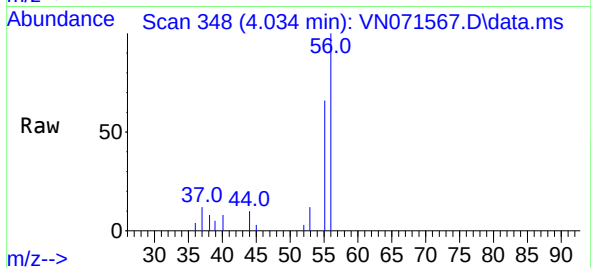
Tgt Ion: 43 Resp: 47329
Ion Ratio Lower Upper
43 100
74 25.0 20.8 31.2





#13
Acrolein
Concen: 16.627 ug/l
RT: 4.034 min Scan# 349
Delta R.T. -0.006 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

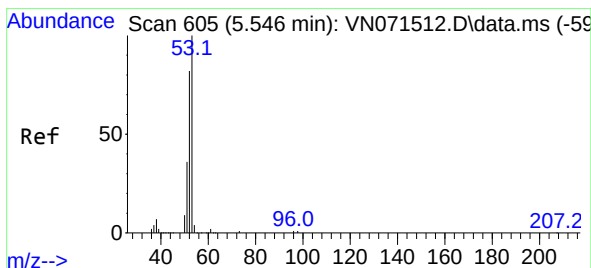
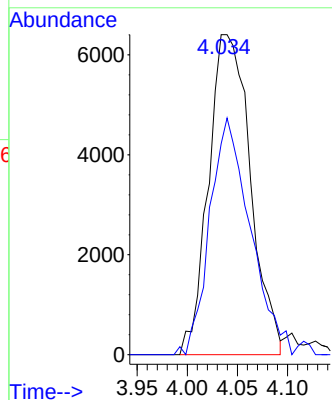
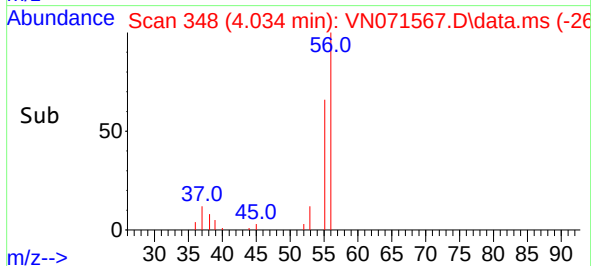
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022DL



Tgt Ion: 56 Resp: 18620
Ion Ratio Lower Upper
56 100
55 71.2 57.6 86.4

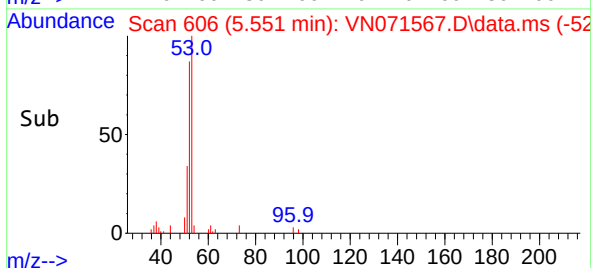
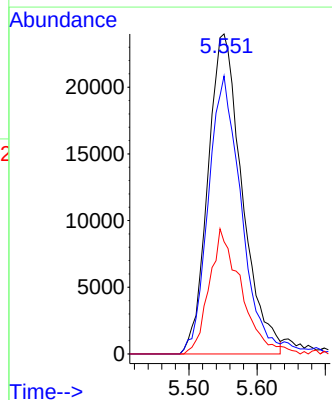
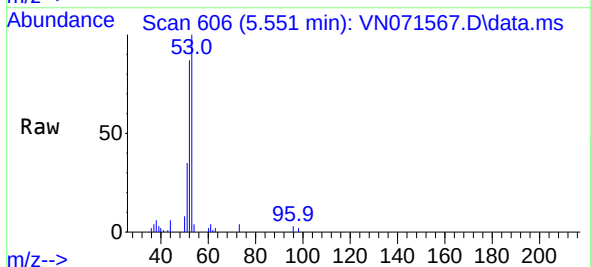
Manual Integrations
APPROVED

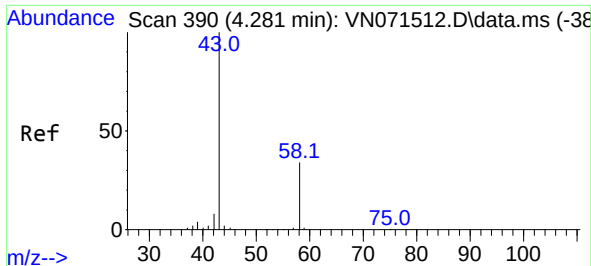
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#14
Acrylonitrile
Concen: 17.570 ug/l
RT: 5.551 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

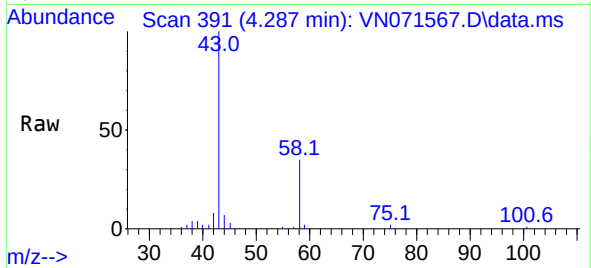
Tgt Ion: 53 Resp: 83791
Ion Ratio Lower Upper
53 100
52 82.9 41.8 125.4
51 26.7 19.0 57.0





#15
Acetone
Concen: 20.262 ug/l
RT: 4.287 min Scan# 390
Delta R.T. 0.006 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

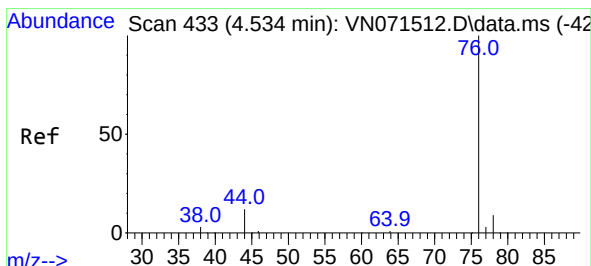
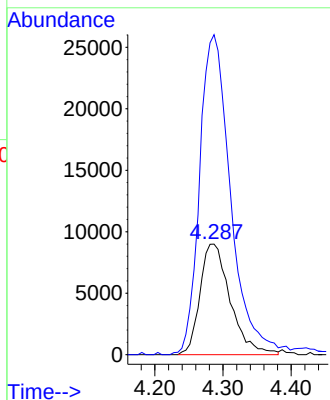
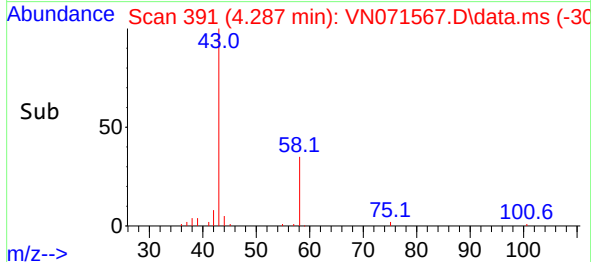
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022DL



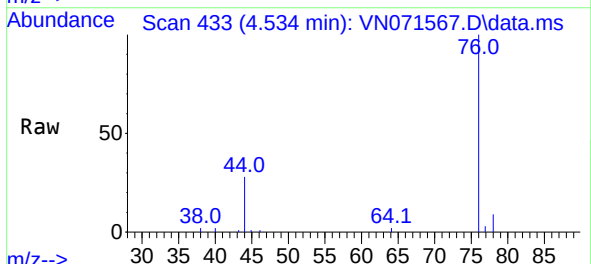
Tgt Ion: 58 Resp: 27808
Ion Ratio Lower Upper
58 100
43 287.4 256.6 384.8

Manual Integrations
APPROVED

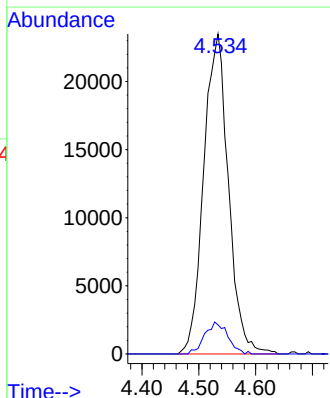
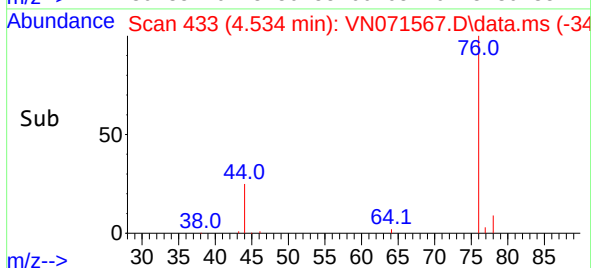
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

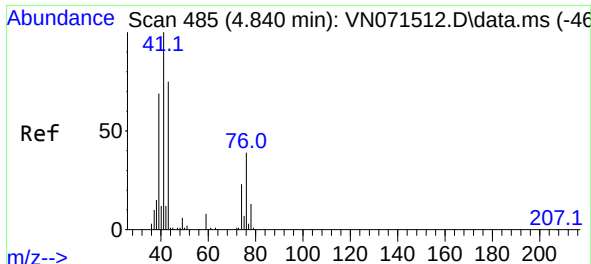


#16
Carbon Disulfide
Concen: 3.648 ug/l
RT: 4.534 min Scan# 433
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04



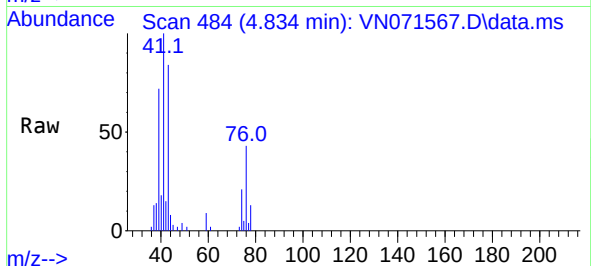
Tgt Ion: 76 Resp: 70970
Ion Ratio Lower Upper
76 100
78 9.1 7.8 11.8





#17
 Allyl chloride
 Concen: 3.401 ug/l
 RT: 4.834 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VN071567.D
 Acq: 26 Mar 2022 12:04

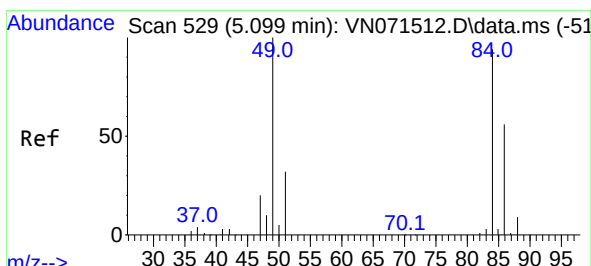
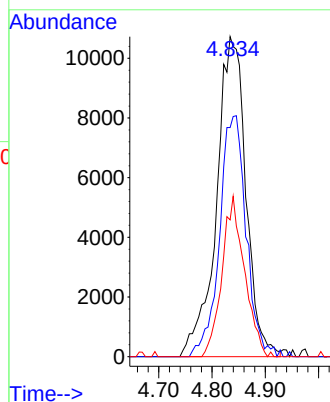
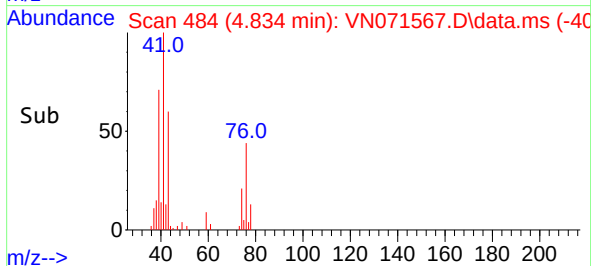
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2022DL



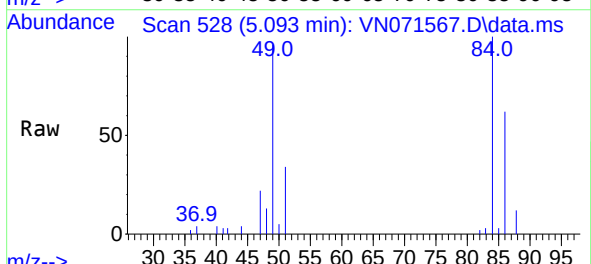
Tgt Ion: 41 Resp: 41210
 Ion Ratio Lower Upper
 41 100
 39 71.6 44.6 134.0
 76 42.7 19.6 58.7

Manual Integrations
 APPROVED

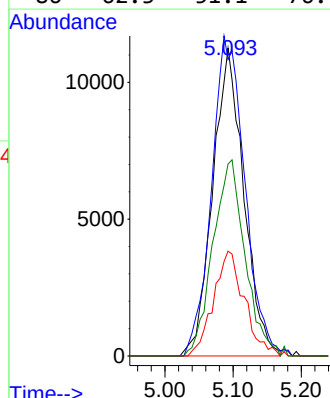
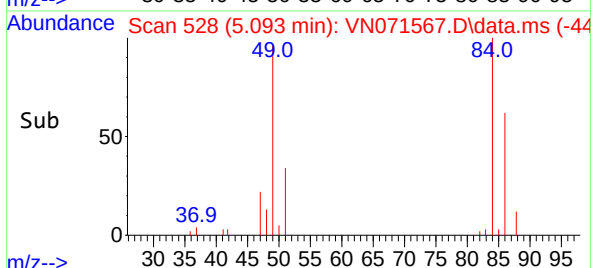
Reviewed By :John Carlone 03/28/2022
 Supervised By :Mahesh Dadoda 03/28/2022

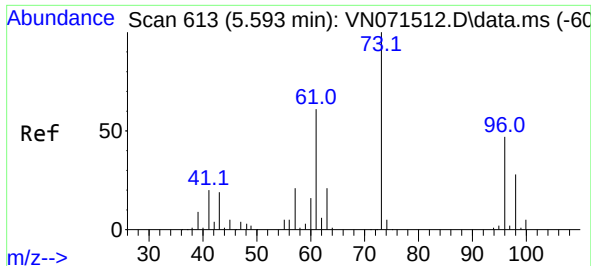


#18
 Methylene Chloride
 Concen: 3.982 ug/l
 RT: 5.093 min Scan# 528
 Delta R.T. -0.006 min
 Lab File: VN071567.D
 Acq: 26 Mar 2022 12:04



Tgt Ion: 84 Resp: 35694
 Ion Ratio Lower Upper
 84 100
 49 96.3 91.4 137.0
 51 34.0 29.4 44.0
 86 62.3 51.1 76.7





#19

trans-1,2-Dichloroethene

Concen: 3.751 ug/l

RT: 5.598 min Scan# 613

Delta R.T. 0.006 min

Lab File: VN071567.D

Acq: 26 Mar 2022 12:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2022DL

Tgt Ion: 96 Resp: 29979

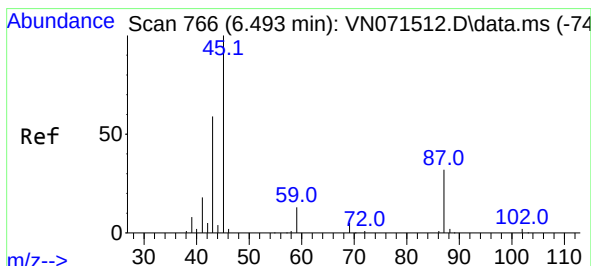
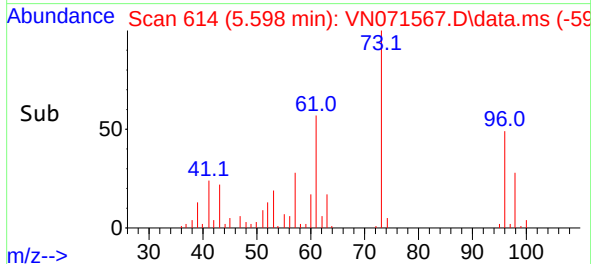
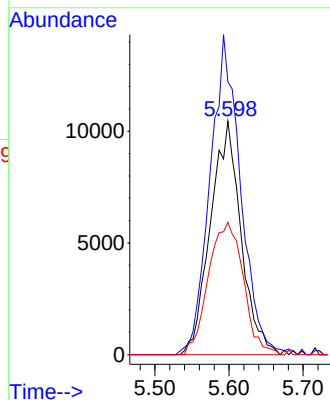
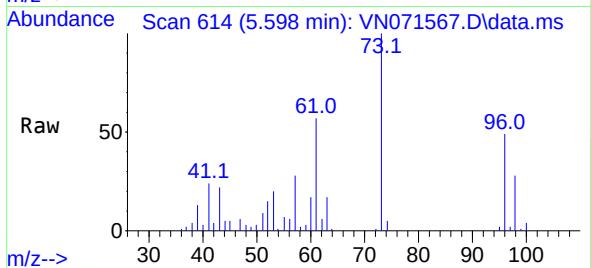
Ion	Ratio	Lower	Upper
96	100		
61	115.3	102.8	154.2
98	56.7	49.3	73.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/28/2022

Supervised By :Mahesh Dadoda 03/28/2022



#20

Diisopropyl ether

Concen: 3.574 ug/l

RT: 6.492 min Scan# 766

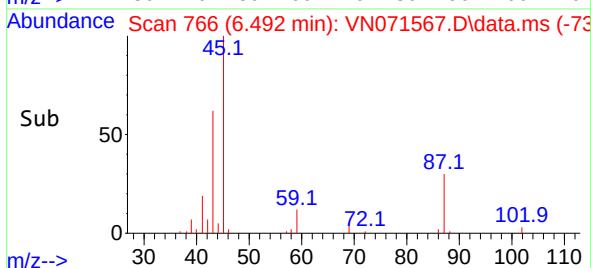
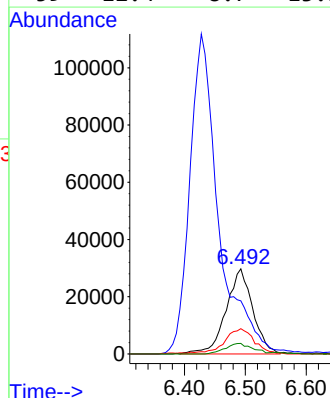
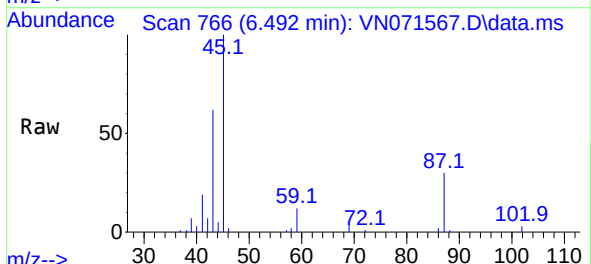
Delta R.T. -0.000 min

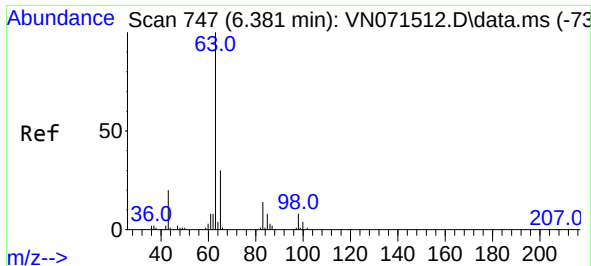
Lab File: VN071567.D

Acq: 26 Mar 2022 12:04

Tgt Ion: 45 Resp: 90637

Ion	Ratio	Lower	Upper
45	100		
43	57.8	51.0	76.4
87	28.4	25.0	37.4
59	12.4	8.7	13.1





#21

1,1-Dichloroethane

Concen: 3.739 ug/l

RT: 6.387 min Scan# 747

Delta R.T. 0.006 min

Lab File: VN071567.D

Acq: 26 Mar 2022 12:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2022DL

Tgt Ion: 63 Resp: 57238

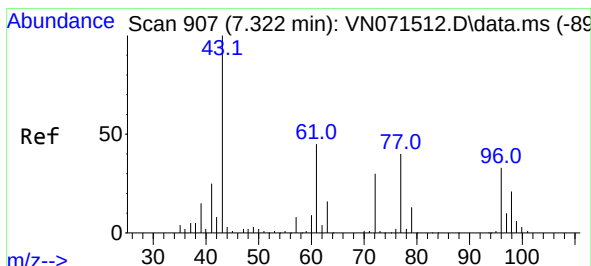
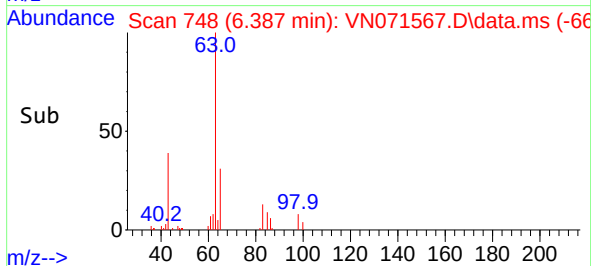
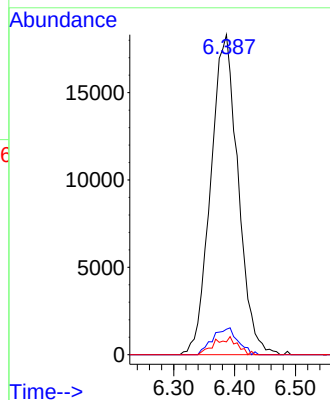
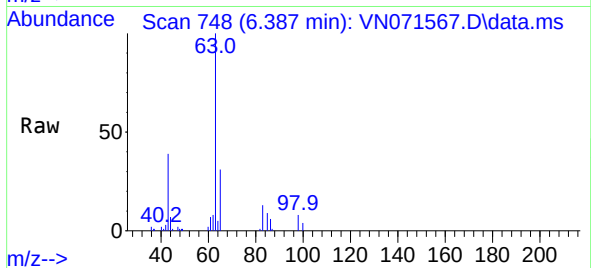
Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.2	9.6
100	4.0	2.1	6.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/28/2022

Supervised By :Mahesh Dadoda 03/28/2022



#22

cis-1,2-Dichloroethene

Concen: 3.810 ug/l

RT: 7.322 min Scan# 907

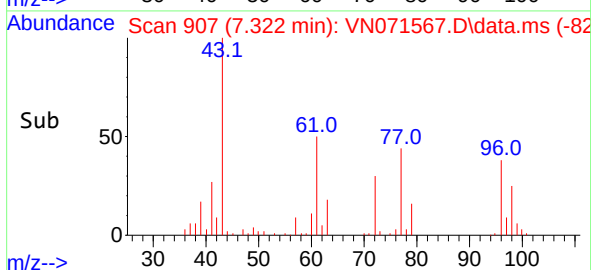
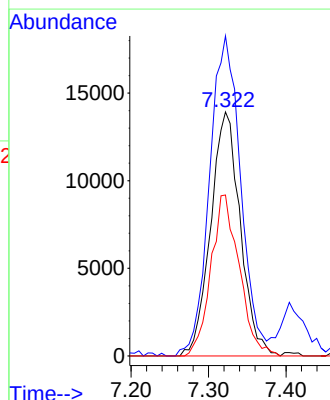
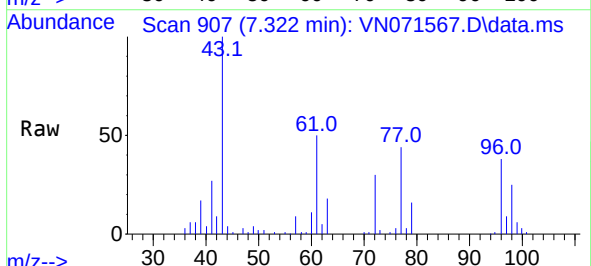
Delta R.T. -0.000 min

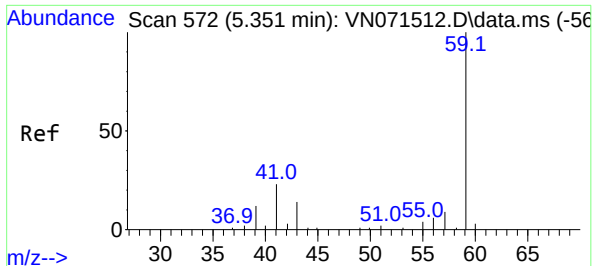
Lab File: VN071567.D

Acq: 26 Mar 2022 12:04

Tgt Ion: 96 Resp: 36995

Ion	Ratio	Lower	Upper
96	100		
61	137.5	115.7	173.5
98	63.2	51.6	77.4





#23

tert-Butyl Alcohol

Concen: 16.817 ug/l

RT: 5.363 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN071567.D

Acq: 26 Mar 2022 12:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2022DL

Tgt Ion: 59 Resp: 28619

Ion Ratio Lower Upper

59 100

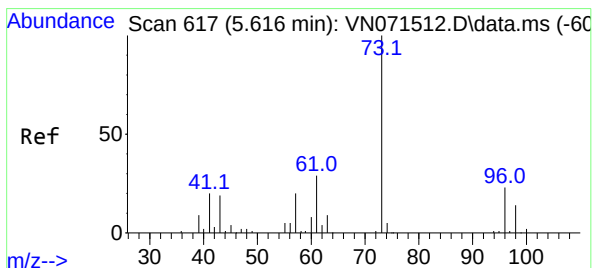
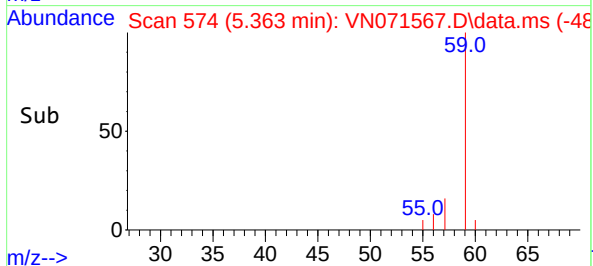
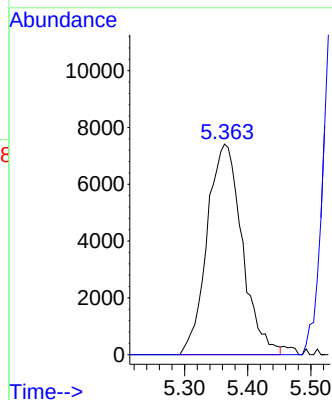
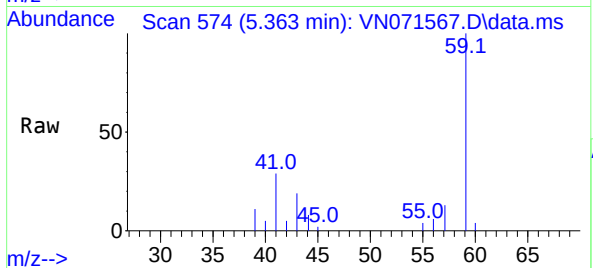
52 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/28/2022

Supervised By :Mahesh Dadoda 03/28/2022



#24

Methyl tert-Butyl Ether

Concen: 3.573 ug/l

RT: 5.610 min Scan# 616

Delta R.T. -0.006 min

Lab File: VN071567.D

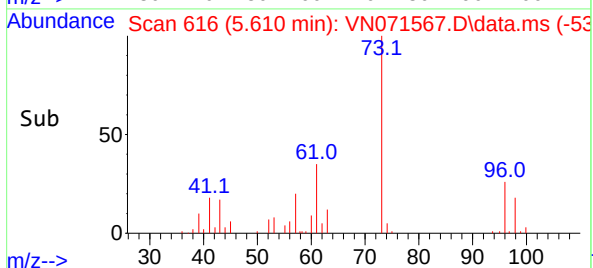
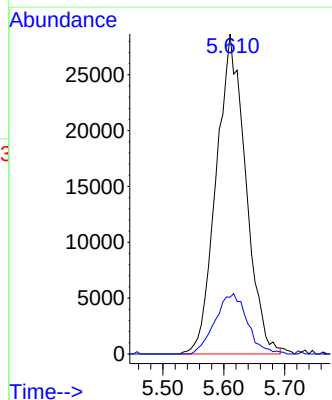
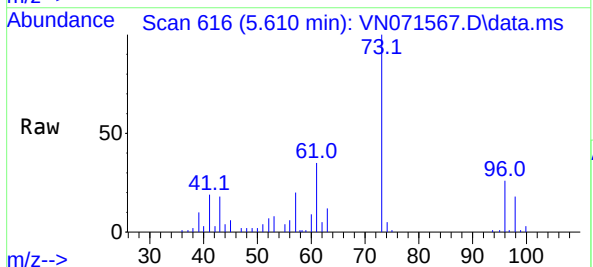
Acq: 26 Mar 2022 12:04

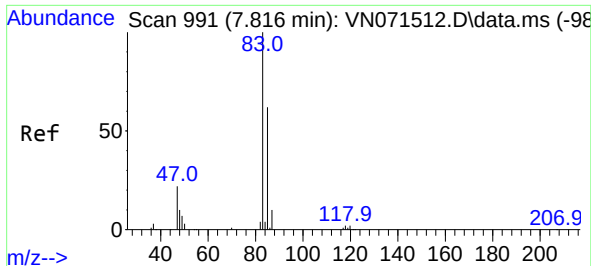
Tgt Ion: 73 Resp: 96362

Ion Ratio Lower Upper

73 100

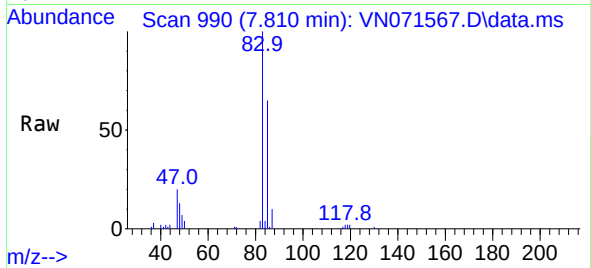
43 20.3 18.1 27.1





#25
Chloroform
Concen: 3.918 ug/l
RT: 7.810 min Scan# 991
Delta R.T. -0.006 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

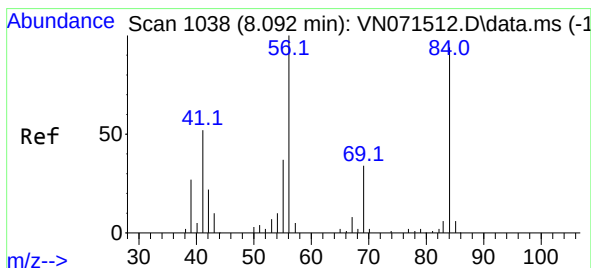
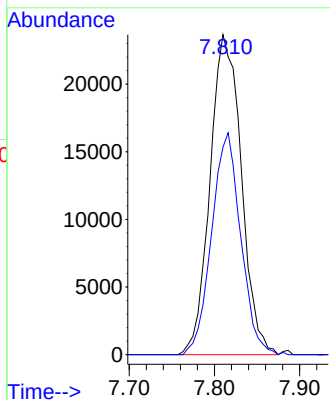
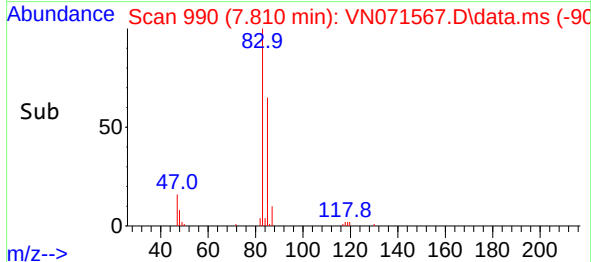
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022DL



Tgt Ion: 83 Resp: 60324
Ion Ratio Lower Upper
83 100
85 64.8 51.3 76.9

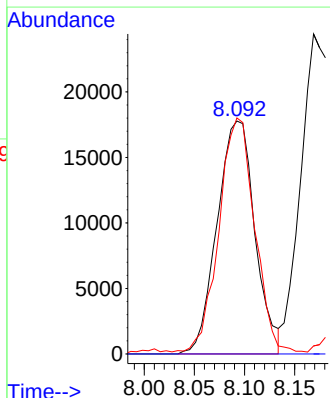
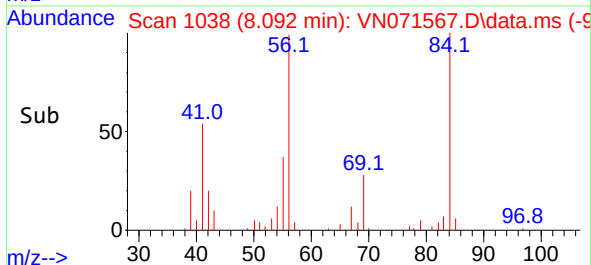
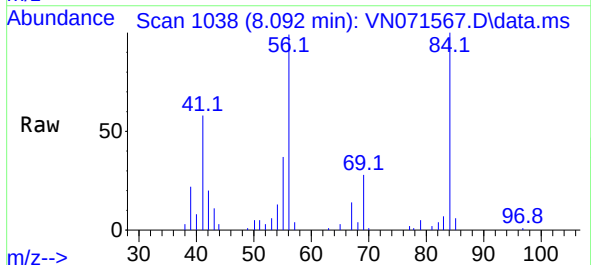
Manual Integrations
APPROVED

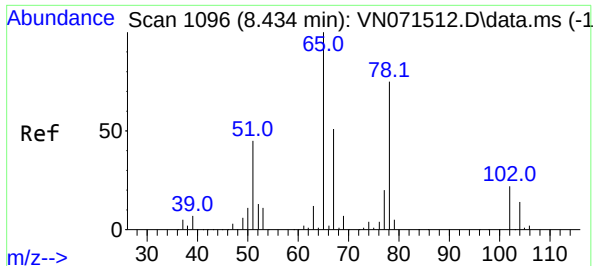
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#26
Cyclohexane
Concen: 3.524 ug/l
RT: 8.092 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

Tgt Ion: 56 Resp: 46631
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 95.8 74.6 111.8





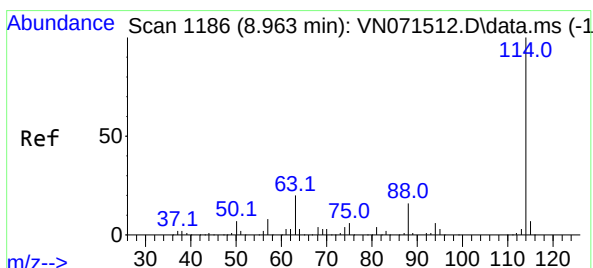
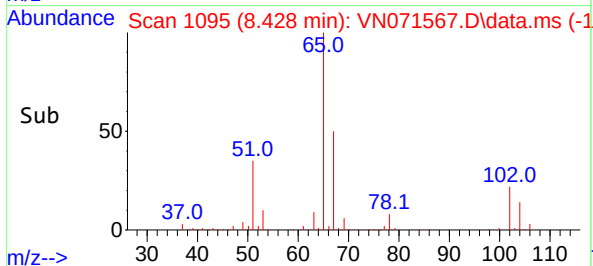
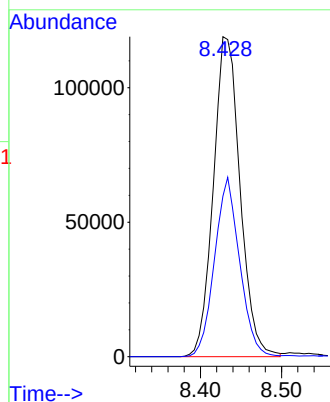
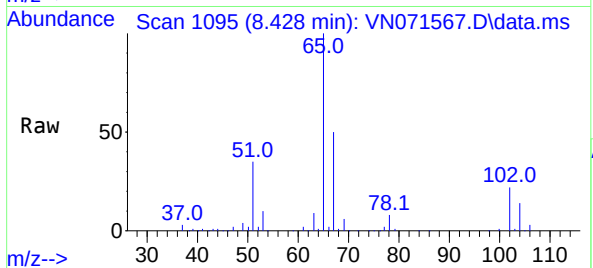
#27
1,2-Dichloroethane-d4
Concen: 30.016 ug/l
RT: 8.428 min Scan# 1095
Delta R.T. -0.006 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022DL

Tgt Ion: 65 Resp: 272744
Ion Ratio Lower Upper
65 100
67 52.5 40.2 60.2

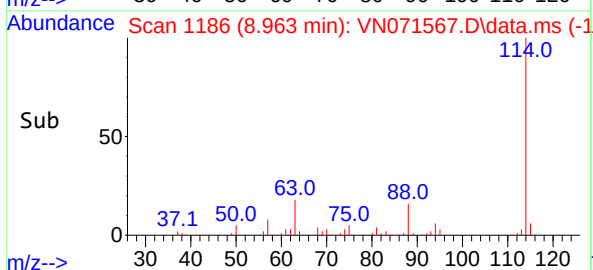
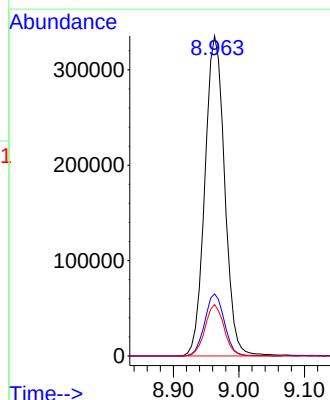
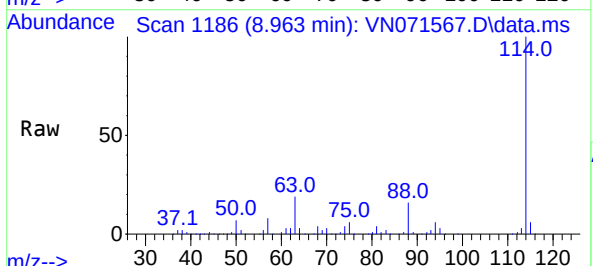
Manual Integrations
APPROVED

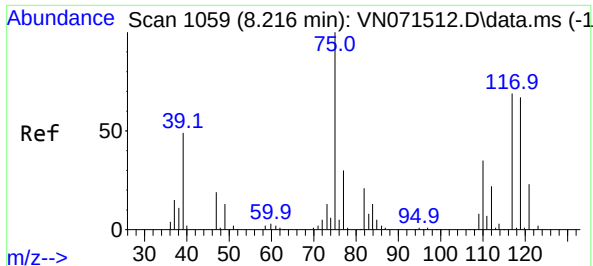
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

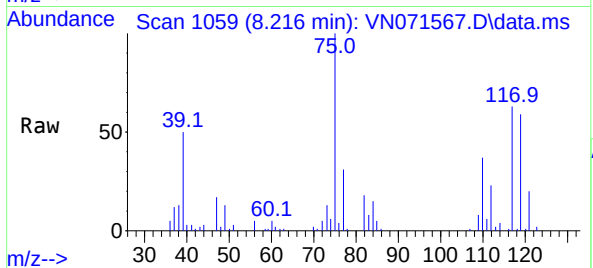
Tgt Ion:114 Resp: 704044
Ion Ratio Lower Upper
114 100
63 19.3 15.8 23.6
88 15.4 11.6 17.4





#29
1,1-Dichloropropene
Concen: 3.595 ug/l
RT: 8.216 min Scan# 1059
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

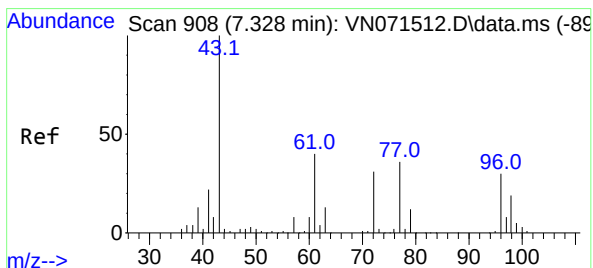
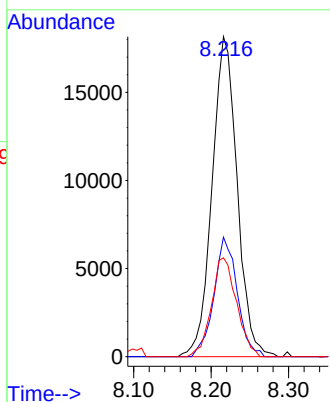
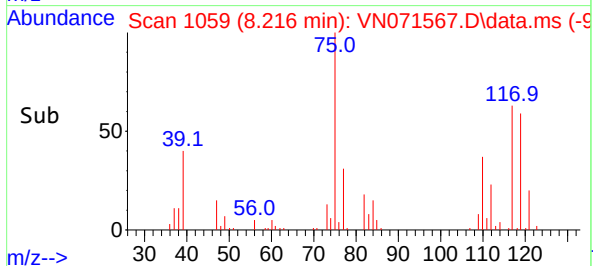
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022DL



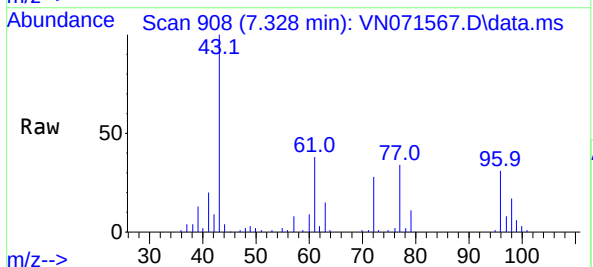
Tgt Ion: 75 Resp: 40970
Ion Ratio Lower Upper
75 100
110 34.6 0.0 74.2
77 30.8 0.0 63.2

Manual Integrations
APPROVED

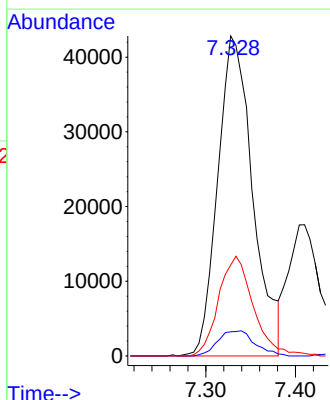
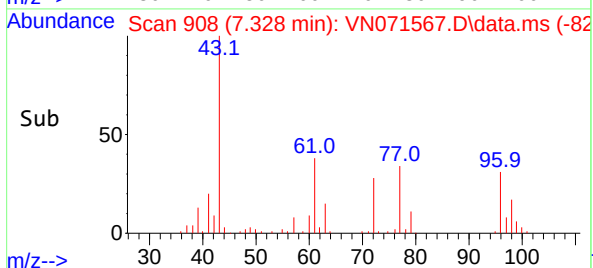
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

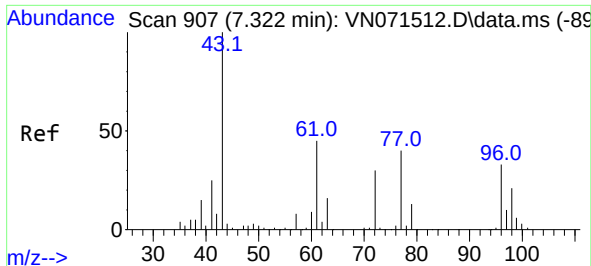


#30
2-Butanone
Concen: 18.329 ug/l
RT: 7.328 min Scan# 908
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04



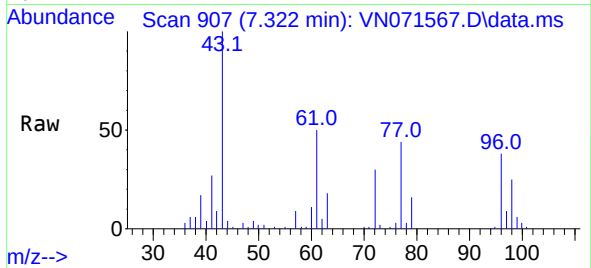
Tgt Ion: 43 Resp: 116266
Ion Ratio Lower Upper
43 100
57 8.3 6.7 10.1
72 30.4 23.2 34.8





#31
2,2-Dichloropropane
Concen: 3.585 ug/l
RT: 7.322 min Scan# 907
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

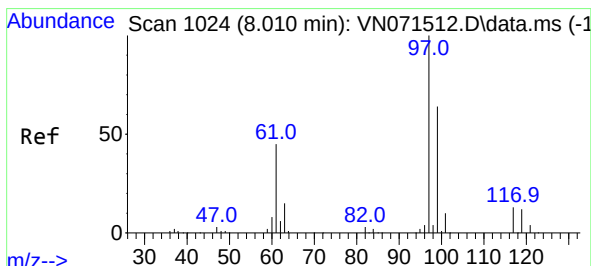
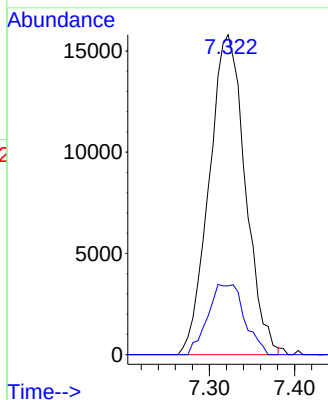
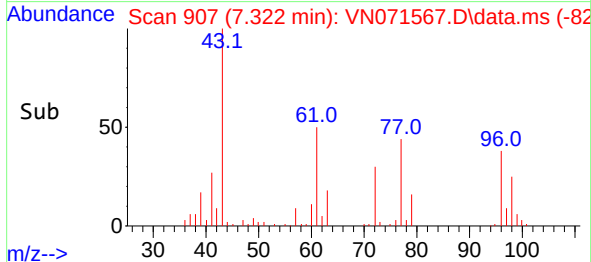
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022DL



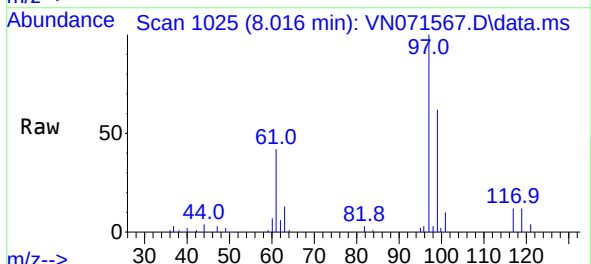
Tgt Ion: 77 Resp: 46538
Ion Ratio Lower Upper
77 100
97 10.6 18.3 27.5

Manual Integrations
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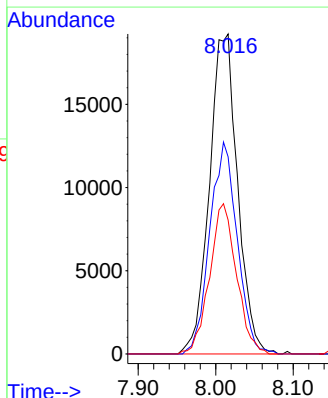
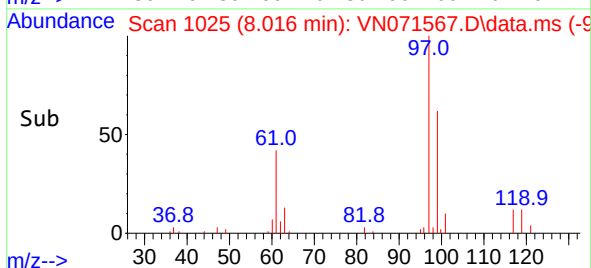
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

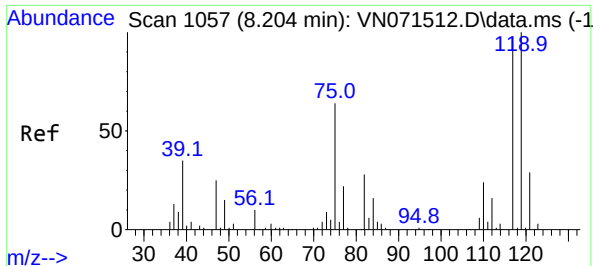


#32
1,1,1-Trichloroethane
Concen: 3.666 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. 0.006 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04



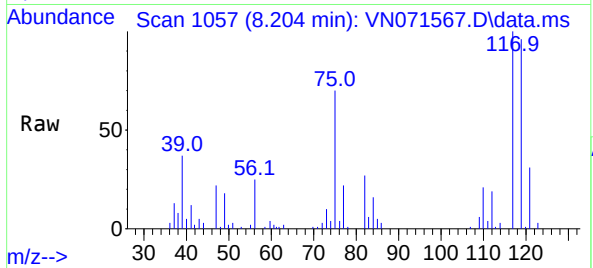
Tgt Ion: 97 Resp: 48663
Ion Ratio Lower Upper
97 100
99 64.6 50.4 75.6
61 44.9 34.6 51.8





#33
Carbon Tetrachloride
Concen: 3.634 ug/l
RT: 8.204 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

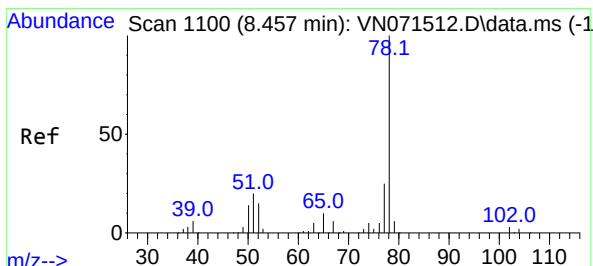
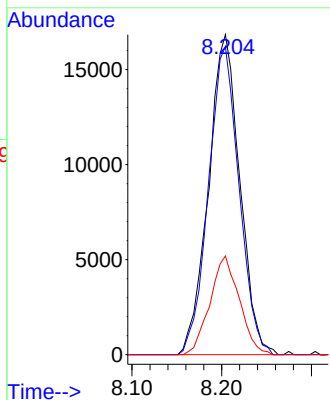
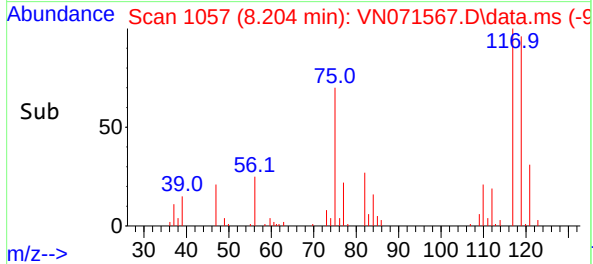
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022DL



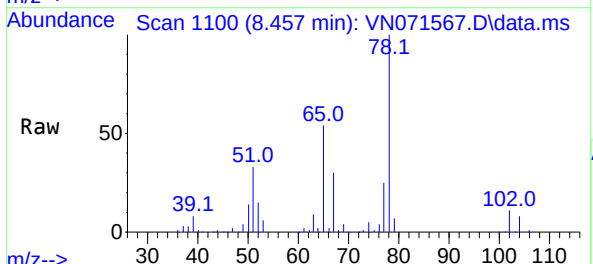
Tgt Ion:117 Resp: 40829
Ion Ratio Lower Upper
117 100
119 96.3 77.5 116.3
121 30.9 23.5 35.3

Manual Integrations
APPROVED

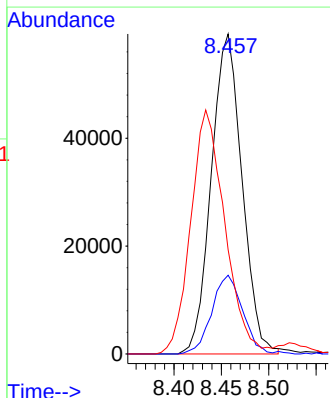
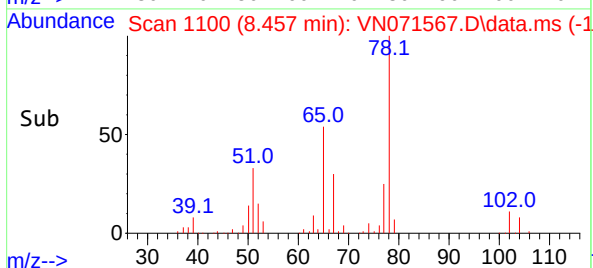
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

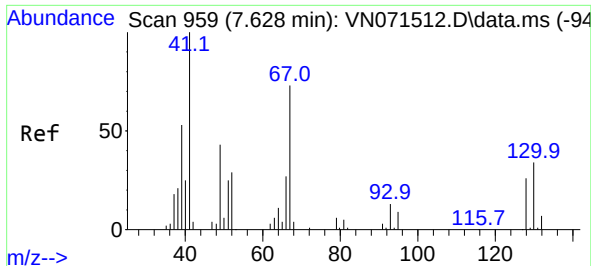


#34
Benzene
Concen: 3.779 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04



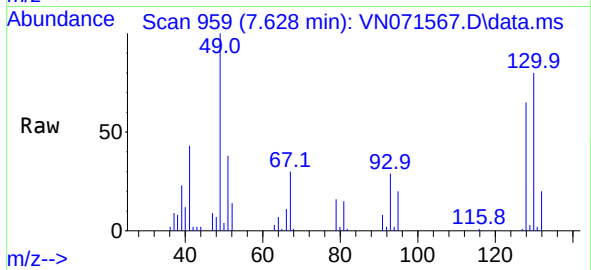
Tgt Ion: 78 Resp: 133808
Ion Ratio Lower Upper
78 100
77 24.6 19.1 28.7
51 30.0 16.0 24.0#





#35
Methacrylonitrile
Concen: 3.683 ug/l
RT: 7.628 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

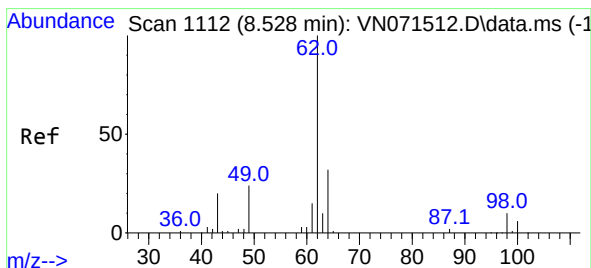
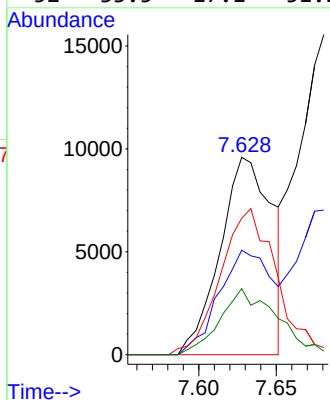
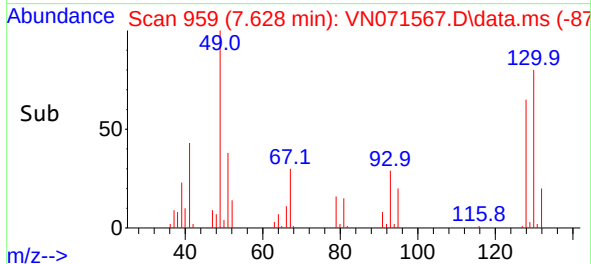
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022DL



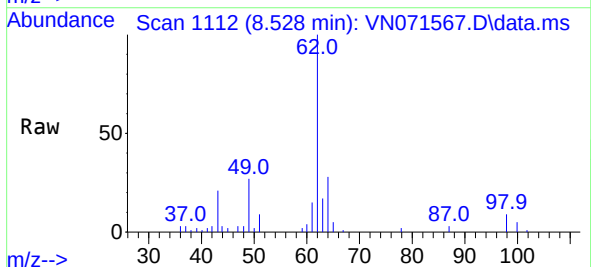
Tgt Ion: 41 Resp: 2241
Ion Ratio Lower Upper
41 100
39 53.0 28.0 83.9
67 66.1 37.7 113.1
52 33.5 17.1 51.2

Manual Integrations
APPROVED

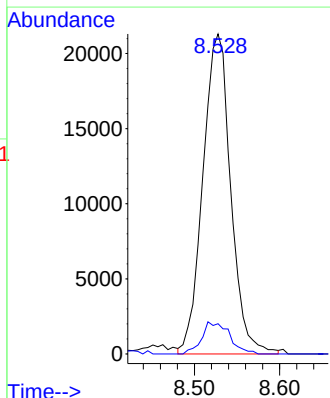
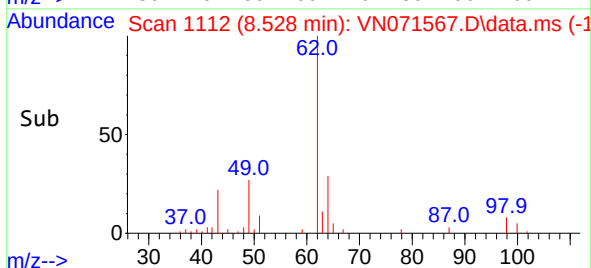
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

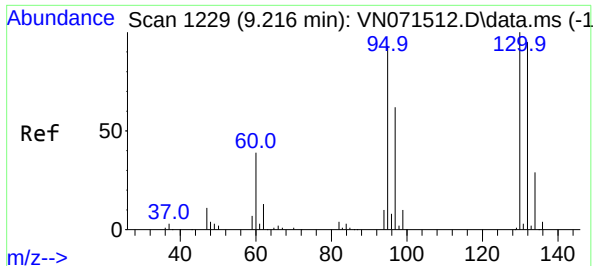


#36
1,2-Dichloroethane
Concen: 3.917 ug/l
RT: 8.528 min Scan# 1112
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04



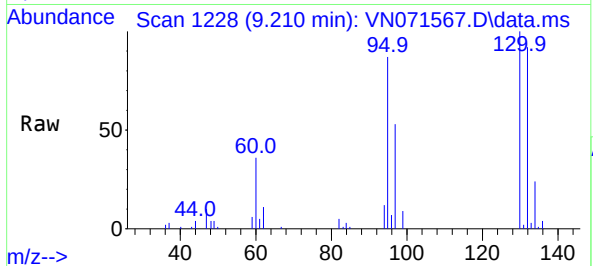
Tgt Ion: 62 Resp: 48377
Ion Ratio Lower Upper
62 100
98 9.9 6.6 10.0





#37
Trichloroethene
Concen: 3.794 ug/l
RT: 9.210 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

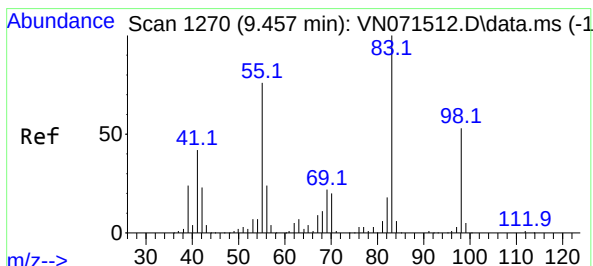
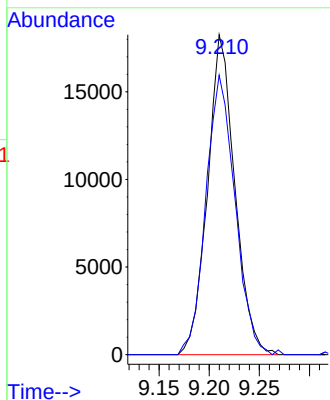
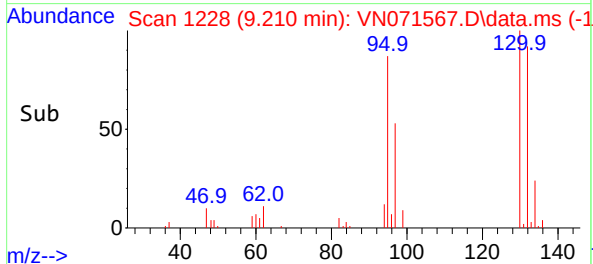
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022DL



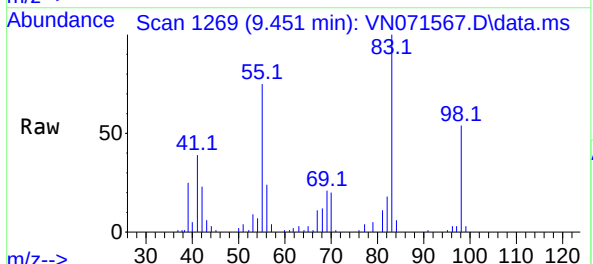
Tgt Ion:130 Resp: 3466
Ion Ratio Lower Upper
130 100
95 87.4 76.6 115.0

Manual Integrations
APPROVED

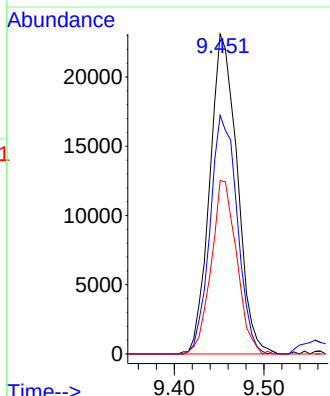
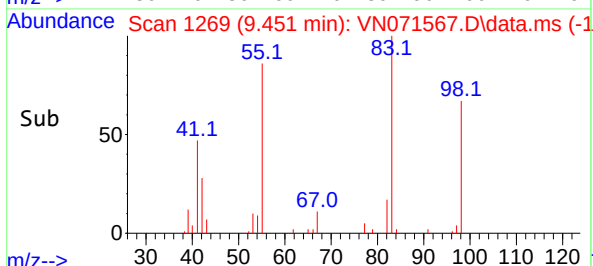
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

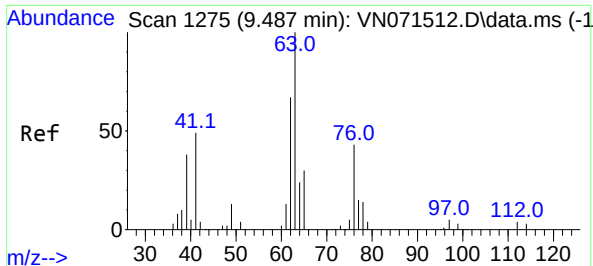


#38
Methylcyclohexane
Concen: 3.413 ug/l
RT: 9.451 min Scan# 1269
Delta R.T. -0.006 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04



Tgt Ion: 83 Resp: 49020
Ion Ratio Lower Upper
83 100
55 73.8 35.1 105.3
98 50.2 23.4 70.2





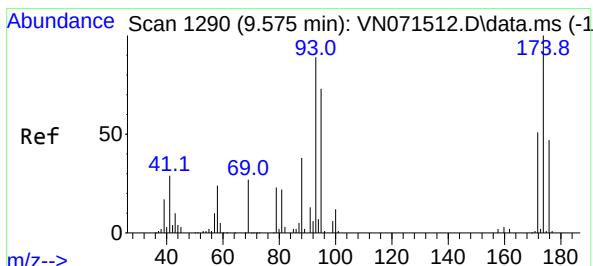
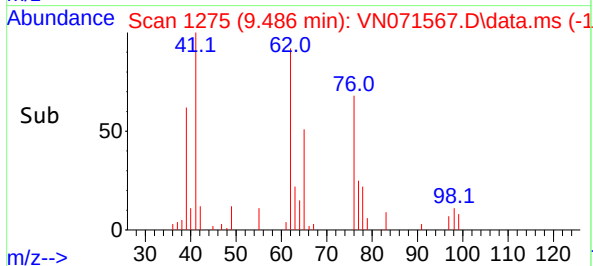
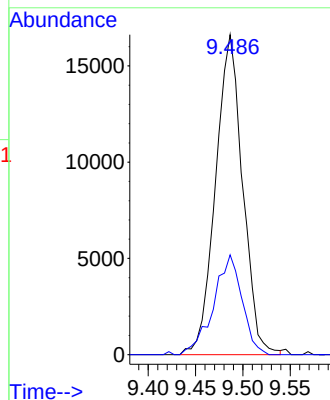
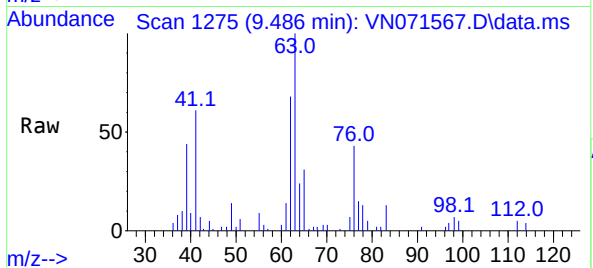
#39
1,2-Dichloropropane
Concen: 3.741 ug/l
RT: 9.486 min Scan# 1275
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022DL

Tgt Ion: 63 Resp: 3313
Ion Ratio Lower Upper
63 100
65 31.2 24.2 36.4

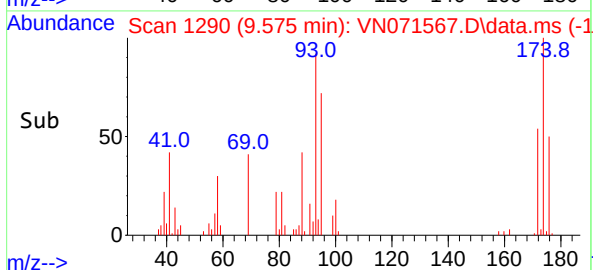
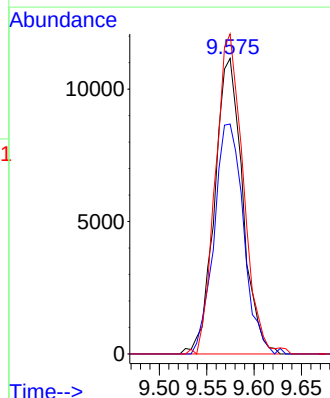
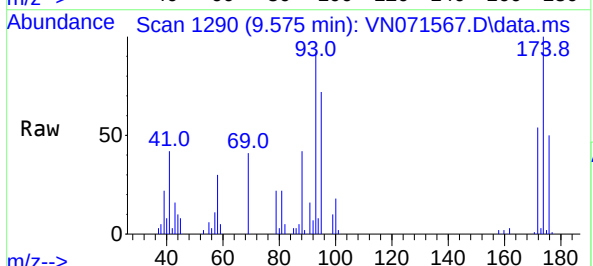
Manual Integrations
APPROVED

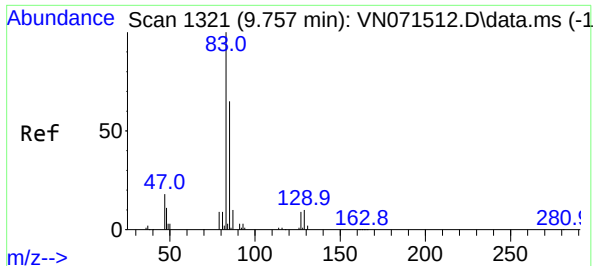
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#40
Dibromomethane
Concen: 3.822 ug/l
RT: 9.575 min Scan# 1290
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

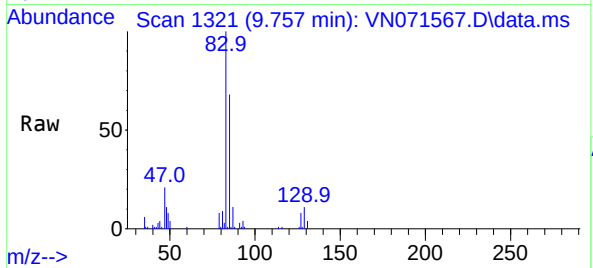
Tgt Ion: 93 Resp: 22913
Ion Ratio Lower Upper
93 100
95 81.7 0.0 168.8
174 106.6 0.0 173.6





#41
Bromodichloromethane
Concen: 3.563 ug/l
RT: 9.757 min Scan# 1321
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

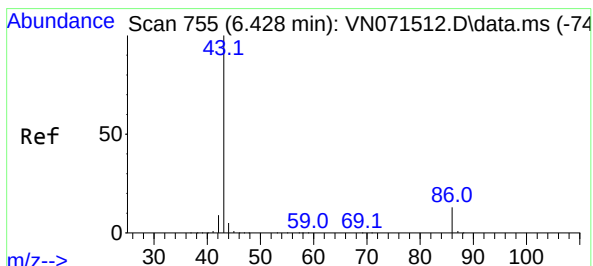
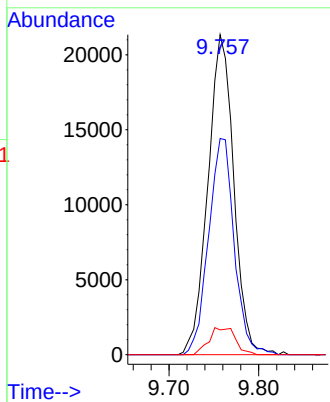
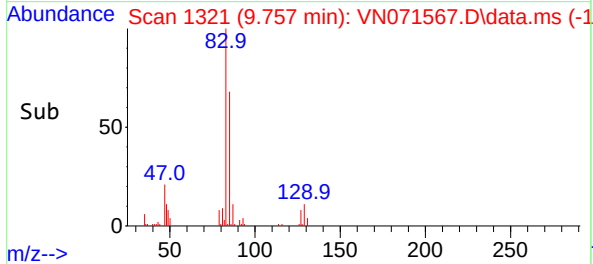
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022DL



Tgt Ion: 83 Resp: 42748
Ion Ratio Lower Upper
83 100
85 67.6 54.1 81.1
127 8.6 7.6 11.4

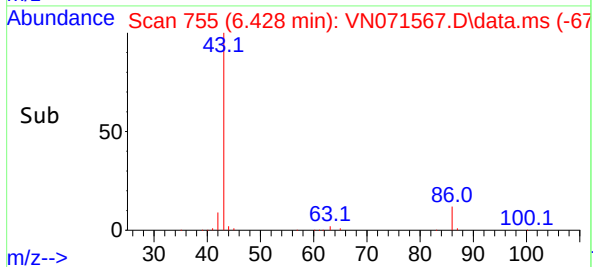
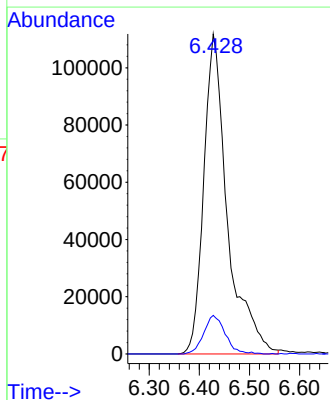
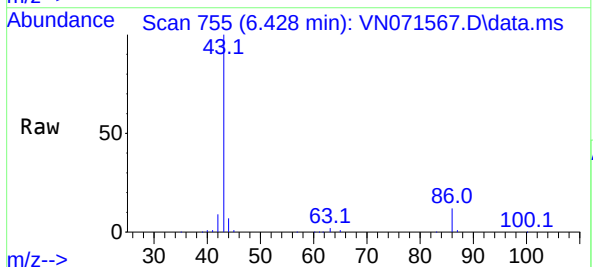
Manual Integrations
APPROVED

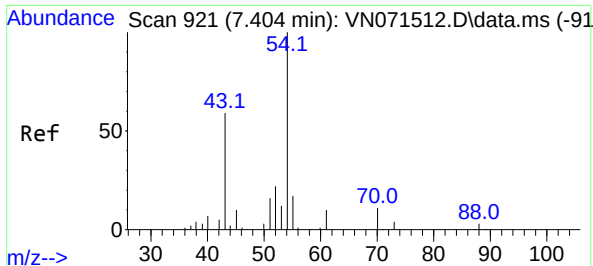
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#42
Vinyl Acetate
Concen: 16.890 ug/l
RT: 6.428 min Scan# 755
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

Tgt Ion: 43 Resp: 367091
Ion Ratio Lower Upper
43 100
86 10.8 7.5 11.3





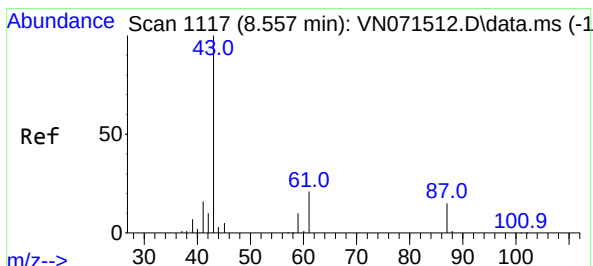
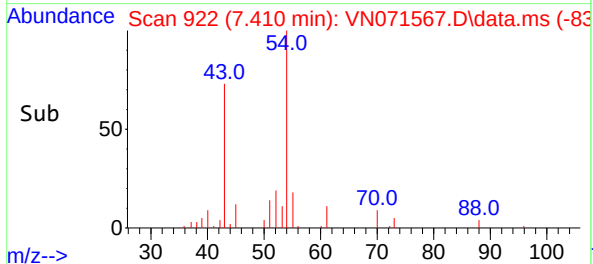
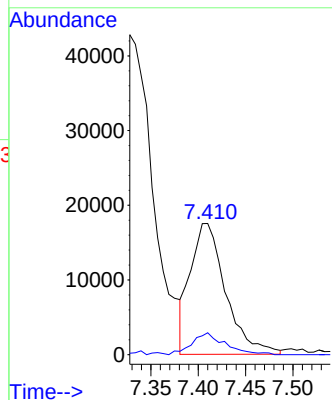
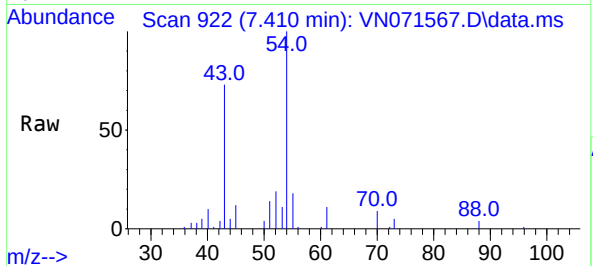
#43
Ethyl Acetate
Concen: 3.692 ug/l
RT: 7.410 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022DL

Tgt Ion: 43 Resp: 45409
Ion Ratio Lower Upper
43 100
45 15.5 10.6 16.0

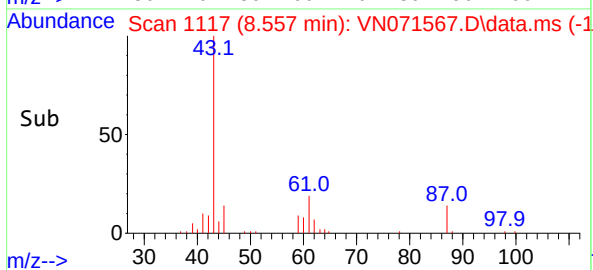
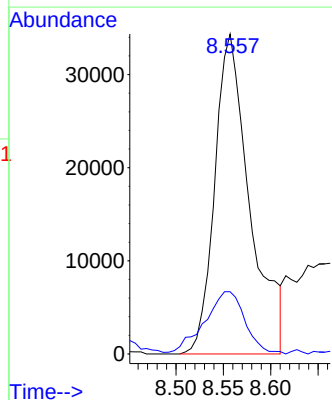
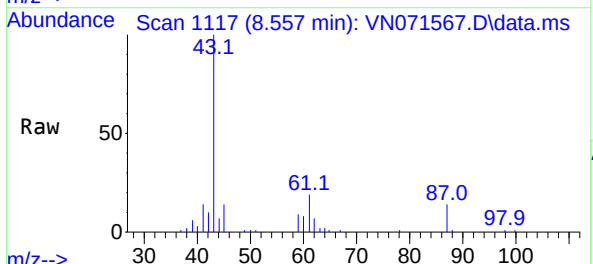
Manual Integrations
APPROVED

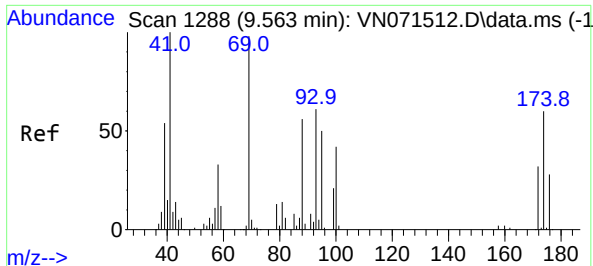
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#44
Isopropyl Acetate
Concen: 4.490 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

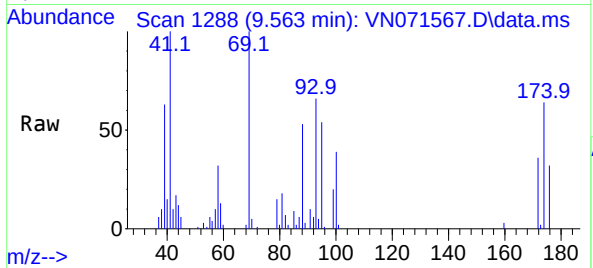
Tgt Ion: 43 Resp: 88581
Ion Ratio Lower Upper
43 100
61 22.3 20.1 30.1





#45
1,4-Dioxane
Concen: 73.522 ug/l
RT: 9.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

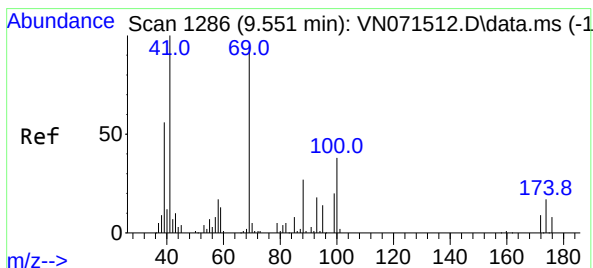
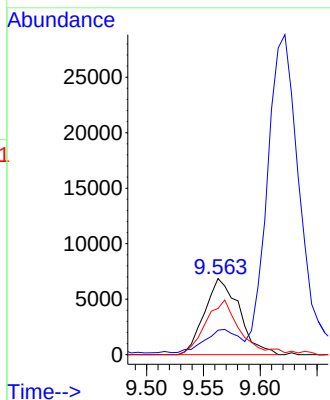
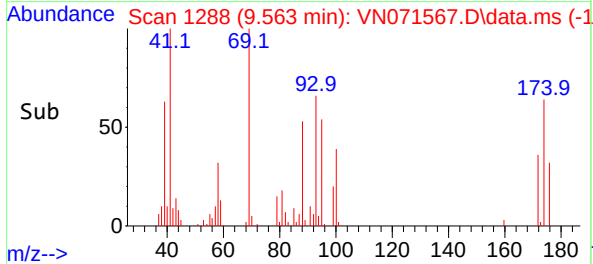
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022DL



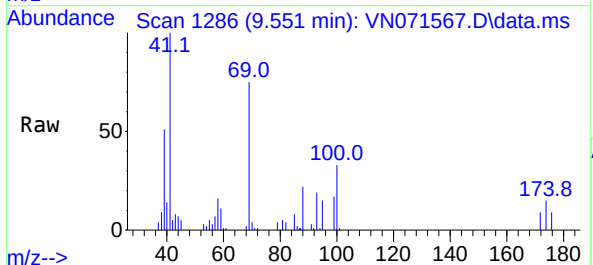
Tgt Ion: 88 Resp: 14634
Ion Ratio Lower Upper
88 100
43 29.3 25.0 37.6
58 67.6 49.4 74.2

Manual Integrations
APPROVED

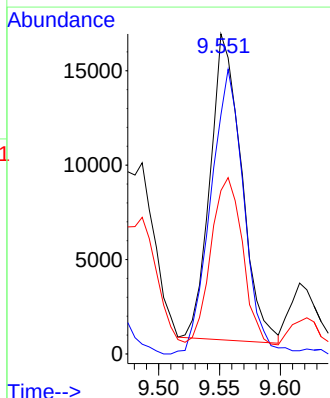
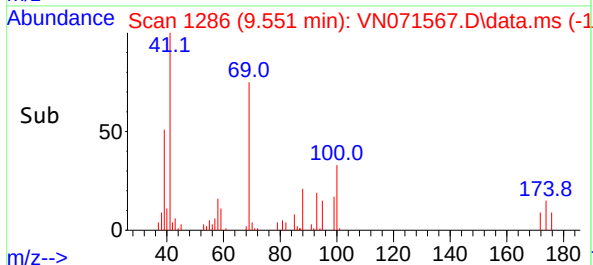
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

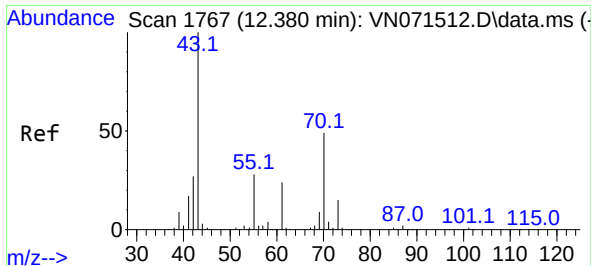


#46
Methyl methacrylate
Concen: 3.345 ug/l
RT: 9.551 min Scan# 1286
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04



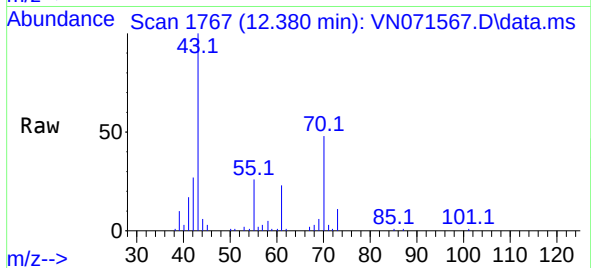
Tgt Ion: 41 Resp: 28940
Ion Ratio Lower Upper
41 100
69 77.9 44.4 133.2
39 50.9 39.9 119.6





#47
n-amyl acetate
Concen: 2.899 ug/l
RT: 12.380 min Scan# 1767
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

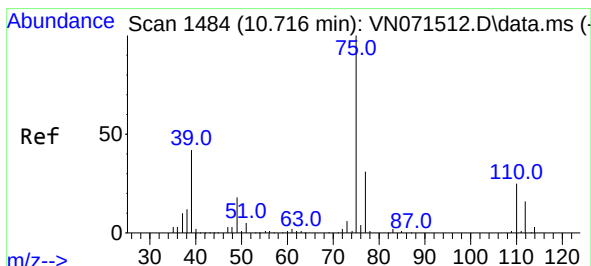
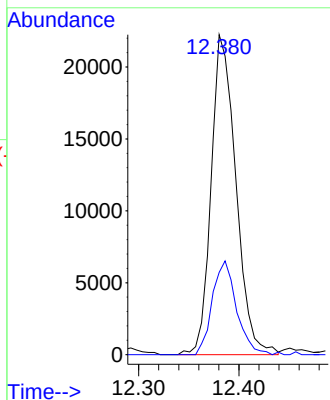
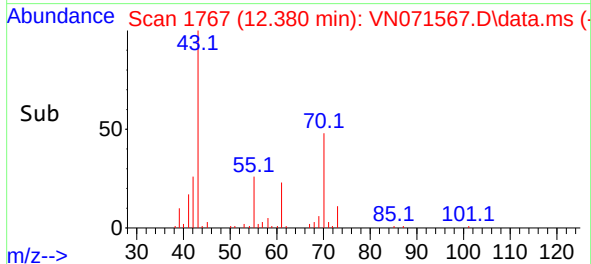
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022DL



Tgt Ion: 43 Resp: 3815
Ion Ratio Lower Upper
43 100
55 28.6 19.0 28.6

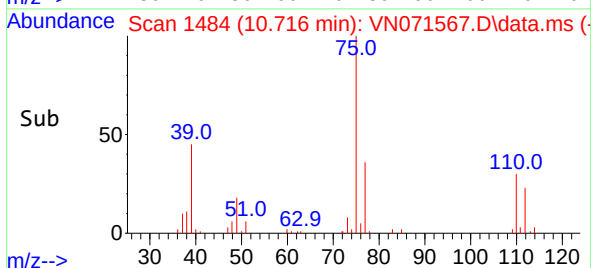
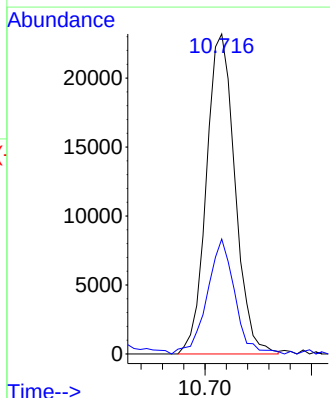
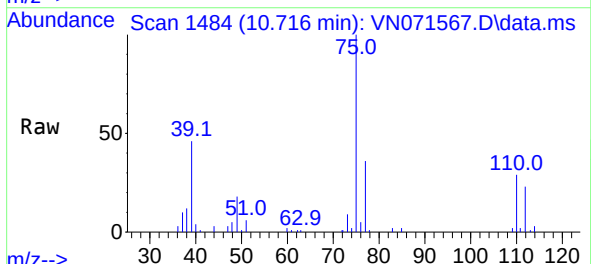
Manual Integrations
APPROVED

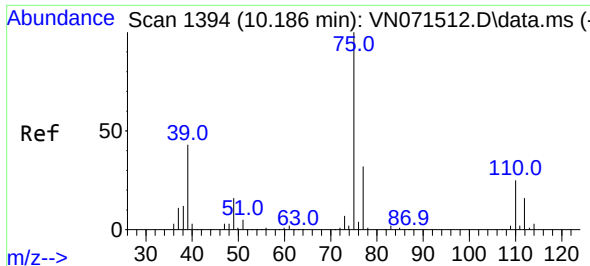
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#48
t-1,3-Dichloropropene
Concen: 3.317 ug/l
RT: 10.716 min Scan# 1484
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

Tgt Ion: 75 Resp: 43256
Ion Ratio Lower Upper
75 100
77 35.2 25.3 37.9





#49

cis-1,3-Dichloropropene

Concen: 3.238 ug/l

RT: 10.186 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN071567.D

Acq: 26 Mar 2022 12:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2022DL

Tgt Ion: 75 Resp: 46180

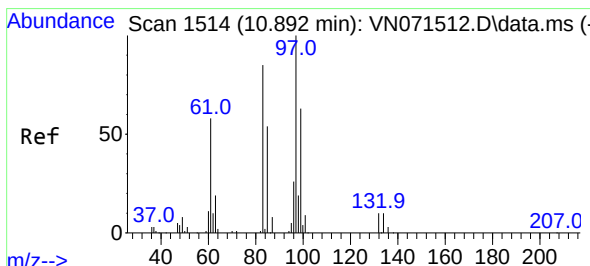
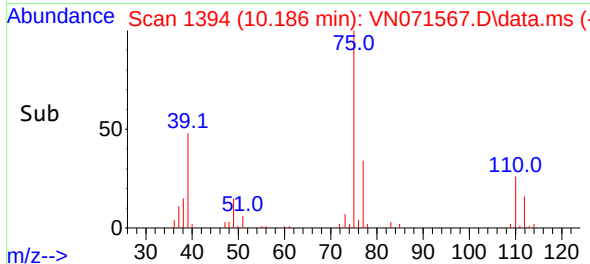
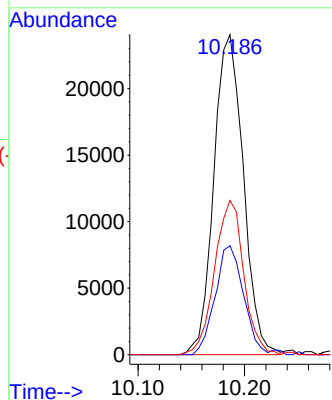
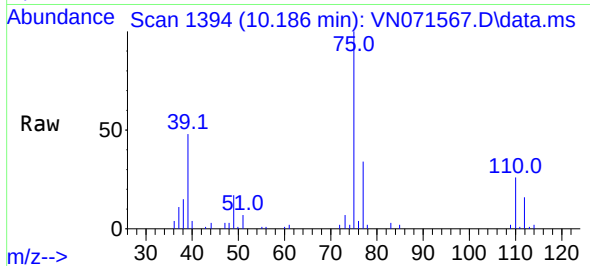
Ion	Ratio	Lower	Upper
75	100		
77	34.0	25.3	37.9
39	48.2	46.2	69.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/28/2022

Supervised By :Mahesh Dadoda 03/28/2022



#50

1,1,2-Trichloroethane

Concen: 3.723 ug/l

RT: 10.892 min Scan# 1514

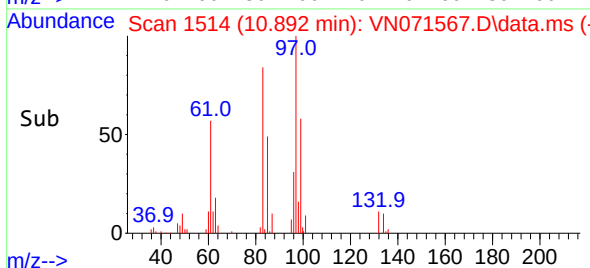
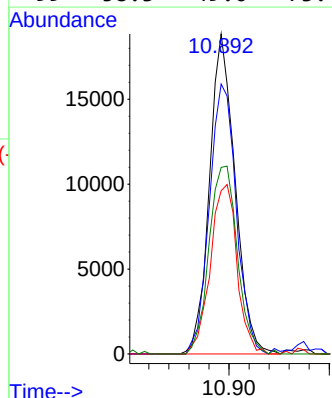
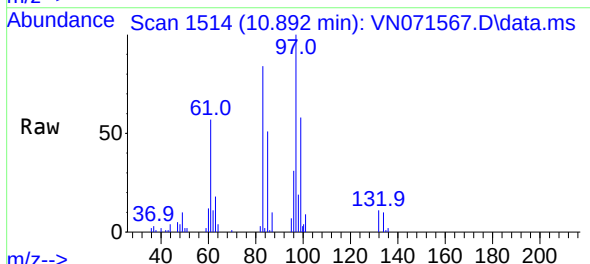
Delta R.T. -0.000 min

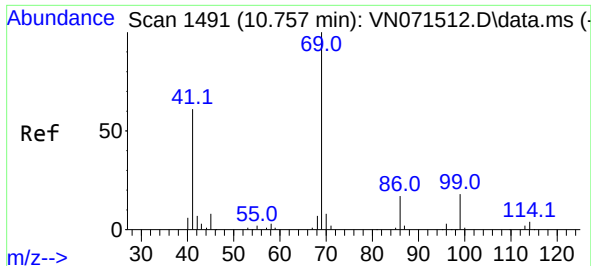
Lab File: VN071567.D

Acq: 26 Mar 2022 12:04

Tgt Ion: 97 Resp: 33366

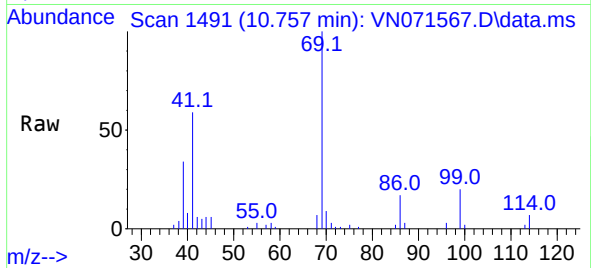
Ion	Ratio	Lower	Upper
97	100		
83	84.3	67.2	100.8
85	51.0	43.0	64.4
99	58.3	49.0	73.4





#51
Ethyl methacrylate
Concen: 3.221 ug/l
RT: 10.757 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

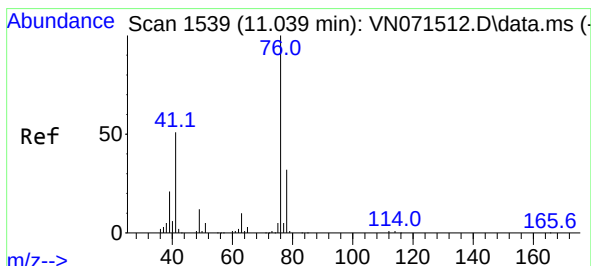
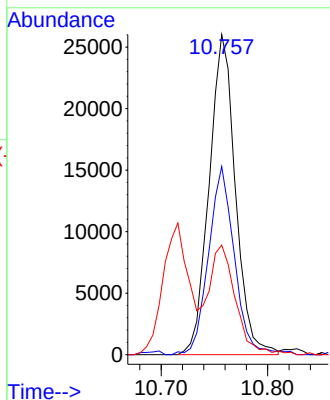
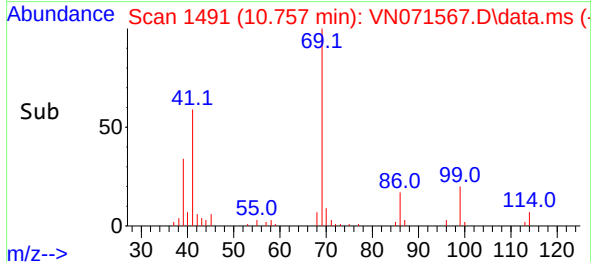
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022DL



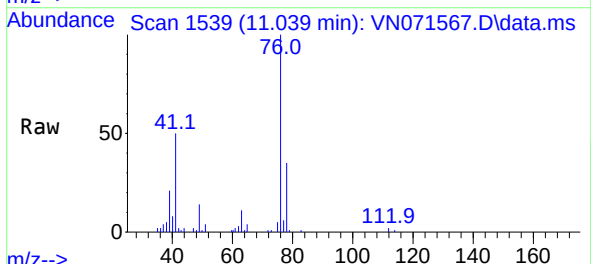
Tgt Ion: 69 Resp: 44570
Ion Ratio Lower Upper
69 100
41 57.9 33.0 98.9
39 33.1 25.4 76.4

Manual Integrations
APPROVED

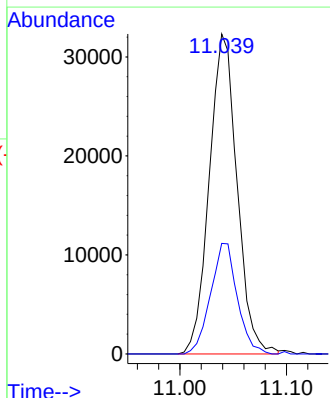
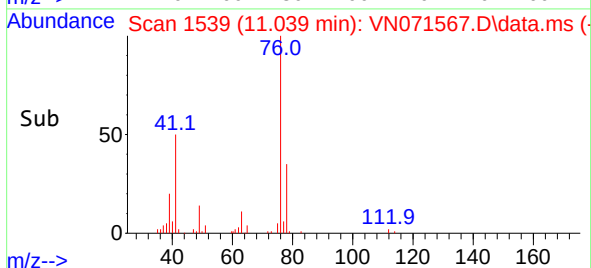
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

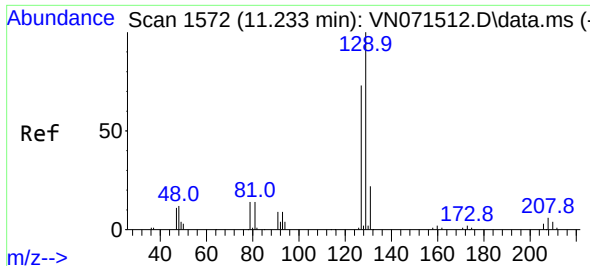


#52
1,3-Dichloropropane
Concen: 3.822 ug/l
RT: 11.039 min Scan# 1539
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04



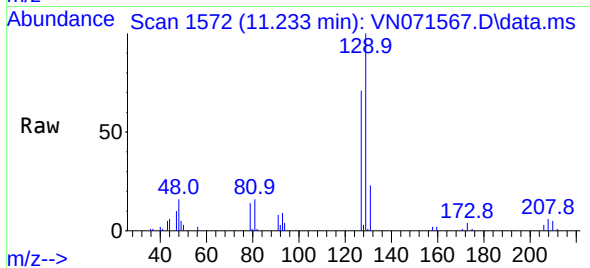
Tgt Ion: 76 Resp: 58507
Ion Ratio Lower Upper
76 100
78 33.2 0.0 65.4





#53
Dibromochloromethane
Concen: 3.556 ug/l
RT: 11.233 min Scan# 1572
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

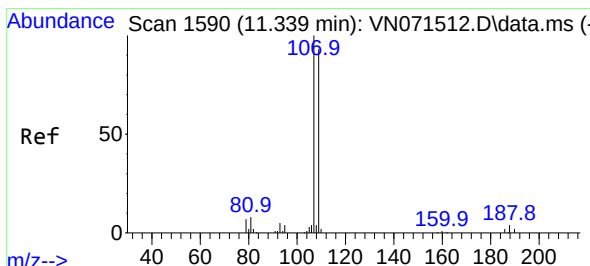
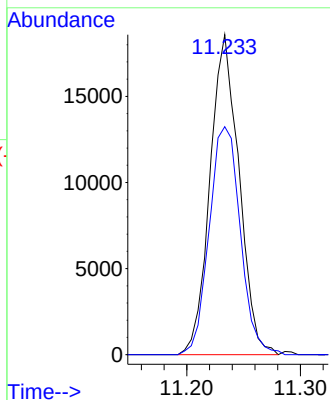
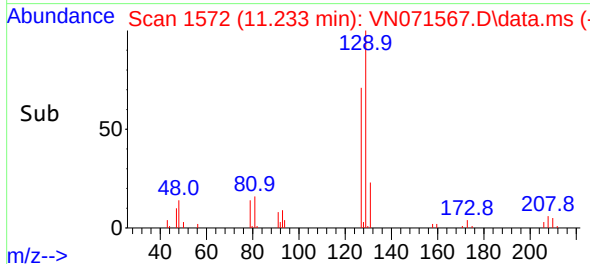
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022DL



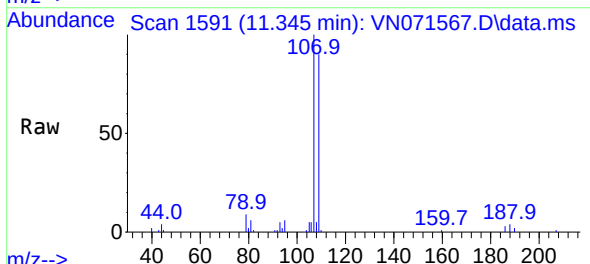
Tgt Ion:129 Resp: 32998
Ion Ratio Lower Upper
129 100
127 76.3 39.0 117.0

Manual Integrations
APPROVED

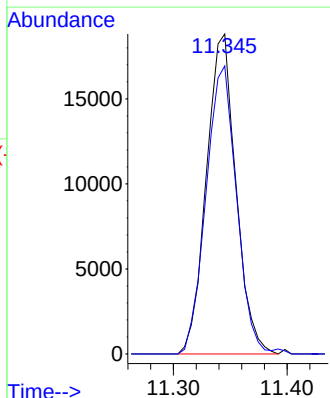
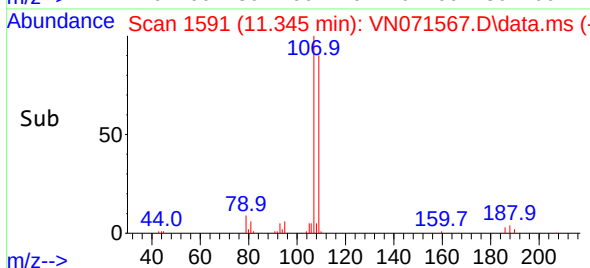
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

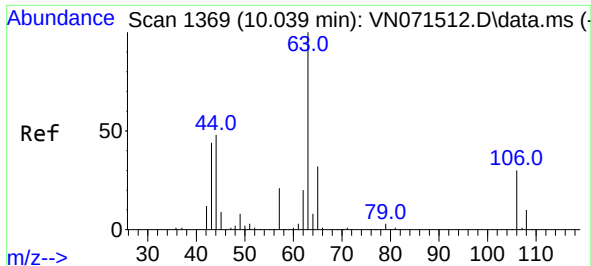


#54
1,2-Dibromoethane
Concen: 3.684 ug/l
RT: 11.345 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04



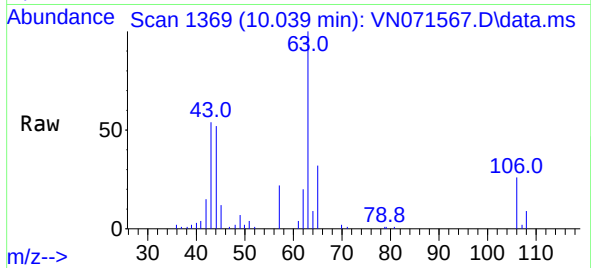
Tgt Ion:107 Resp: 33964
Ion Ratio Lower Upper
107 100
109 92.8 72.8 109.2





#55
2-Chloroethyl vinyl ether
Concen: 7.308 ug/l
RT: 10.039 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

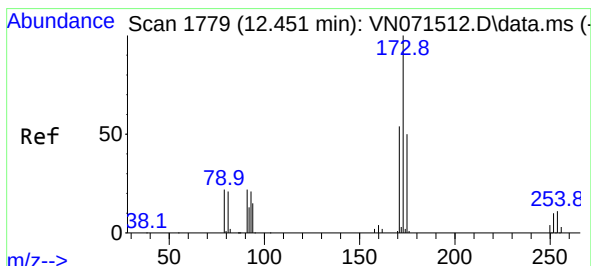
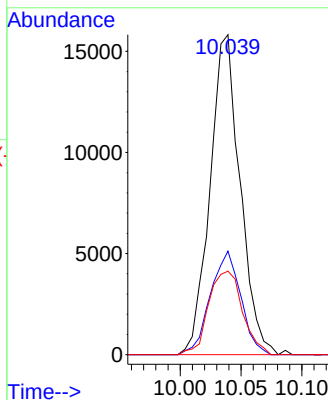
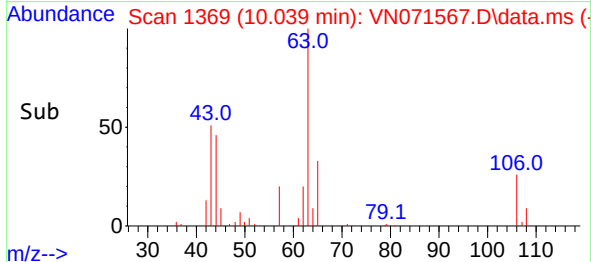
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022DL



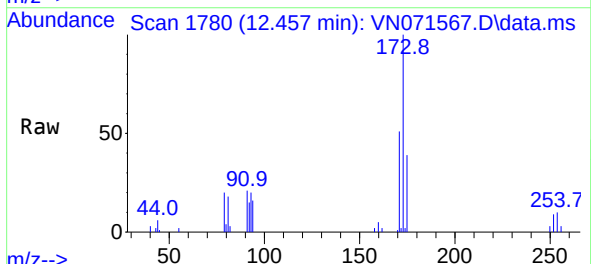
Tgt Ion: 63 Resp: 27250
Ion Ratio Lower Upper
63 100
65 32.7 25.4 38.0
106 29.4 23.2 34.8

Manual Integrations
APPROVED

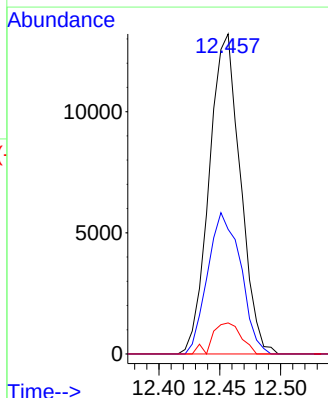
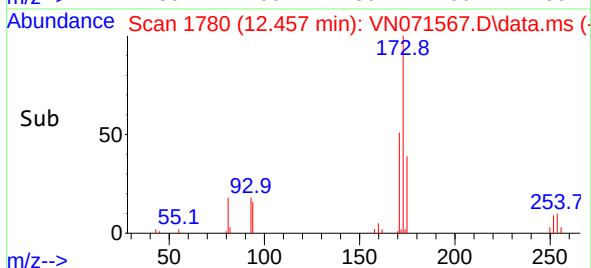
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

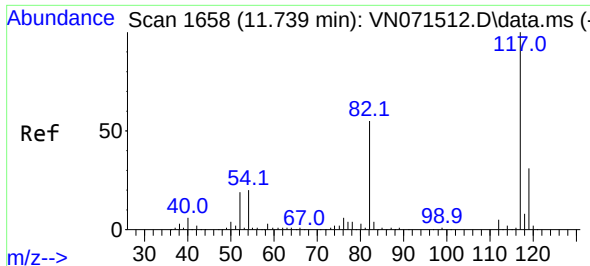


#56
Bromoform
Concen: 3.287 ug/l
RT: 12.457 min Scan# 1780
Delta R.T. 0.006 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04



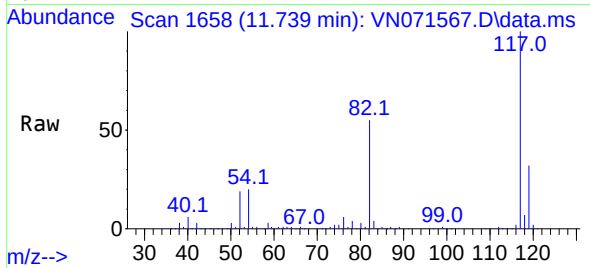
Tgt Ion:173 Resp: 23514
Ion Ratio Lower Upper
173 100
175 47.0 38.6 58.0
254 8.3 0.0 0.0#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

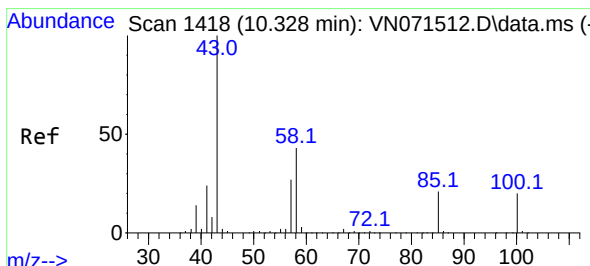
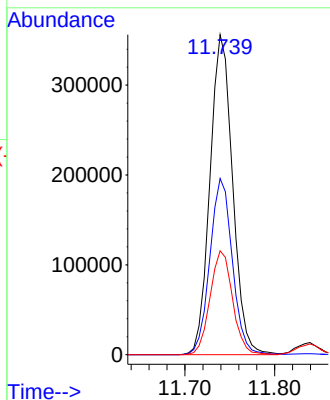
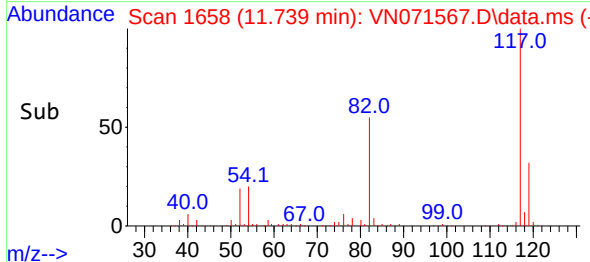
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022DL



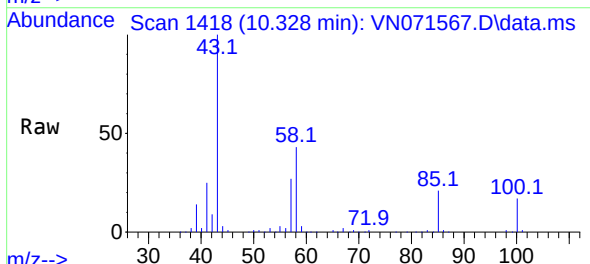
Tgt Ion:117 Resp: 62481
Ion Ratio Lower Upper
117 100
82 54.7 43.6 65.4
119 32.2 25.8 38.6

Manual Integrations
APPROVED

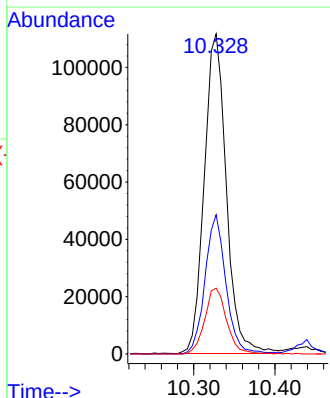
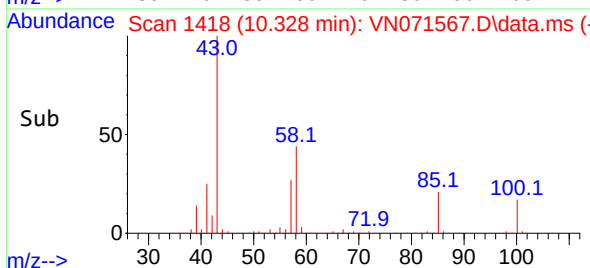
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

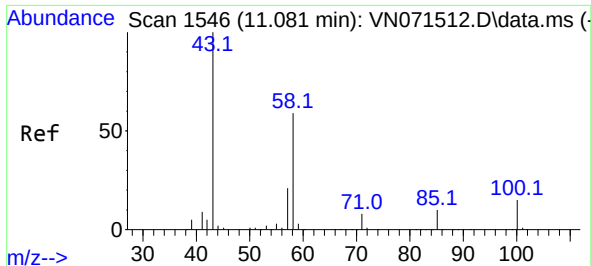


#58
4-Methyl-2-Pentanone
Concen: 17.789 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04



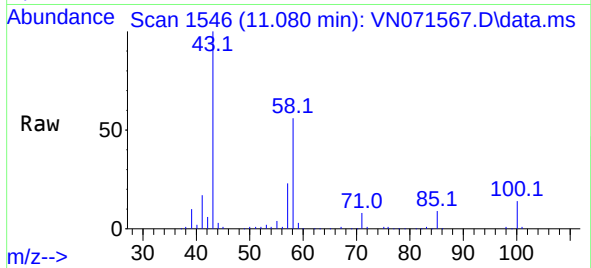
Tgt Ion: 43 Resp: 210987
Ion Ratio Lower Upper
43 100
58 41.1 30.0 45.0
85 20.2 15.0 22.6





#59
2-Hexanone
Concen: 17.659 ug/l
RT: 11.080 min Scan# 1546
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

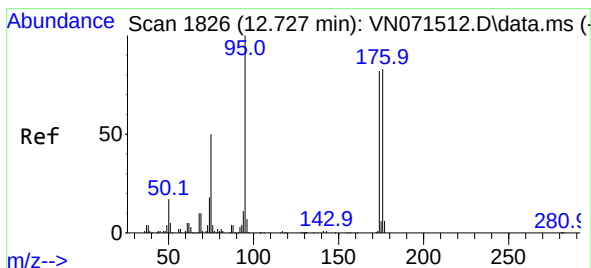
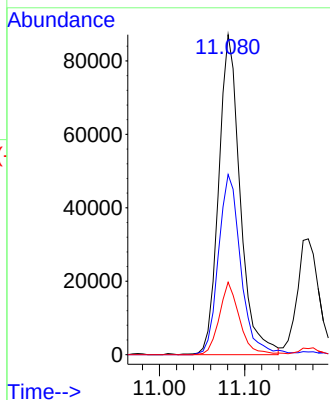
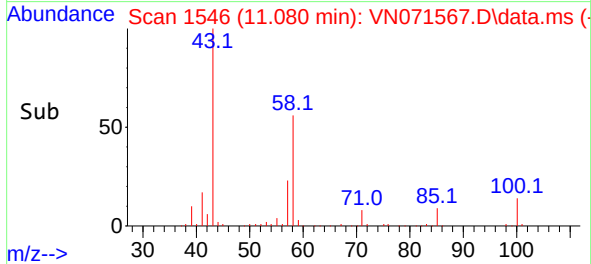
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022DL



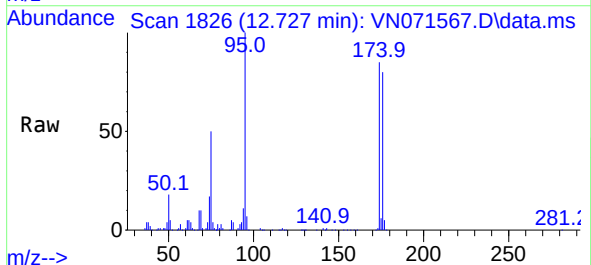
Tgt Ion: 43 Resp: 15292
Ion Ratio Lower Upper
43 100
58 57.9 42.2 63.2
57 21.1 15.0 22.4

Manual Integrations
APPROVED

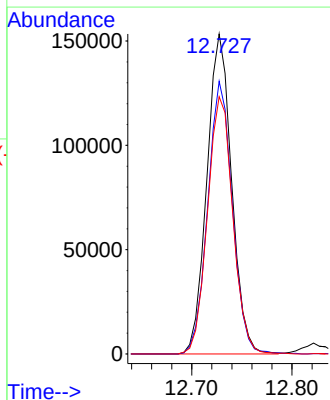
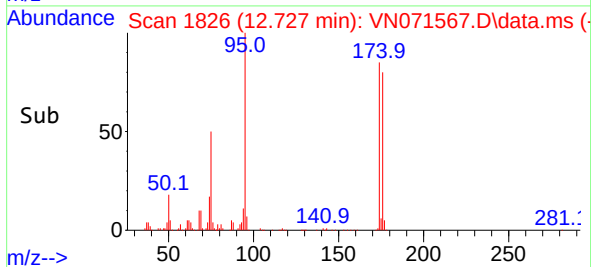
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

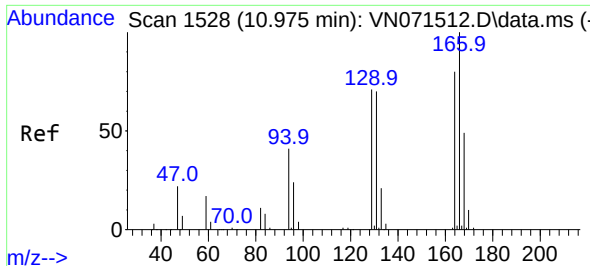


#60
4-Bromofluorobenzene
Concen: 28.409 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04



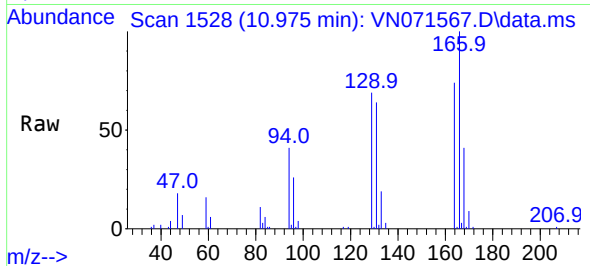
Tgt Ion: 95 Resp: 263189
Ion Ratio Lower Upper
95 100
174 84.9 62.9 94.3
176 82.1 61.0 91.4





#61
Tetrachloroethene
Concen: 4.175 ug/l
RT: 10.975 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

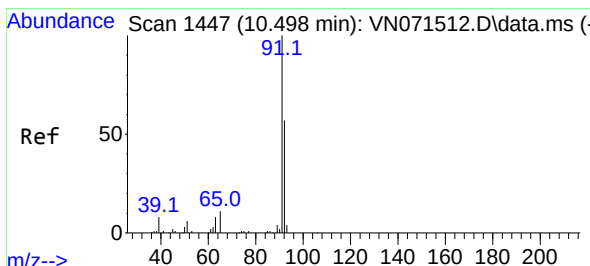
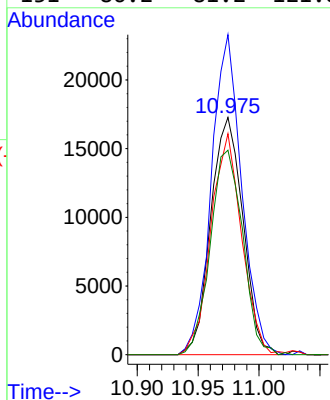
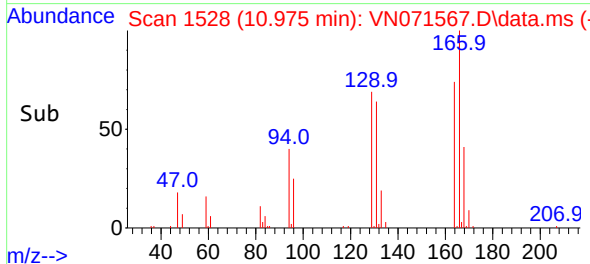
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022DL



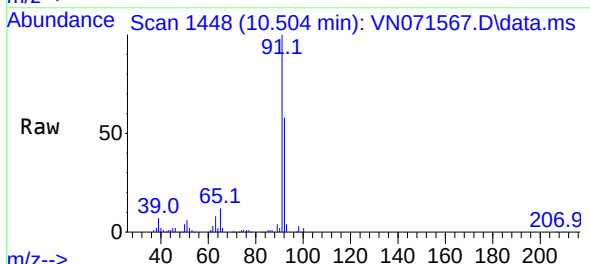
Tgt Ion:164 Resp: 3174
Ion Ratio Lower Upper
164 100
166 134.9 105.8 158.8
129 93.1 82.5 123.7
131 86.2 81.2 121.8

Manual Integrations
APPROVED

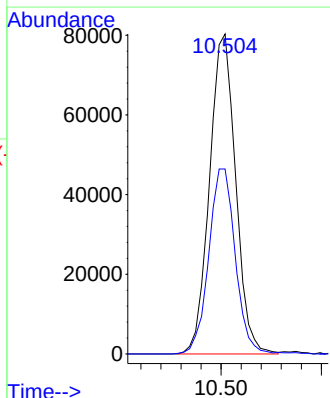
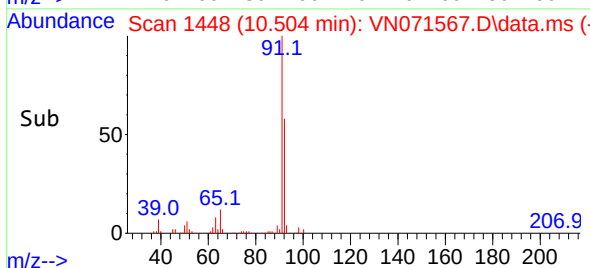
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

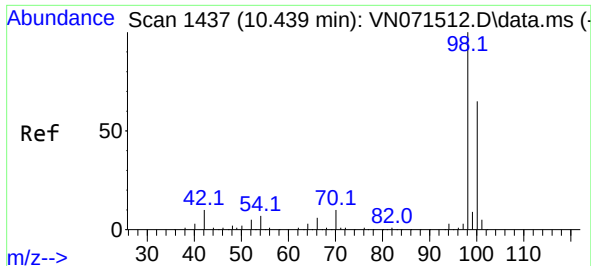


#62
Toluene
Concen: 3.840 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04



Tgt Ion: 91 Resp: 145482
Ion Ratio Lower Upper
91 100
92 58.6 44.6 67.0





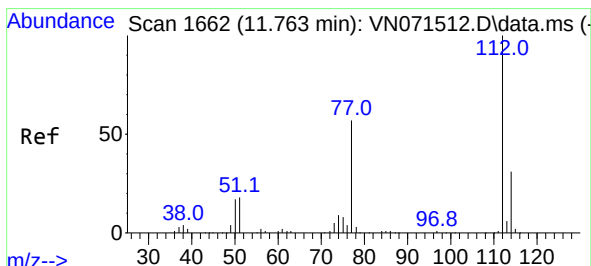
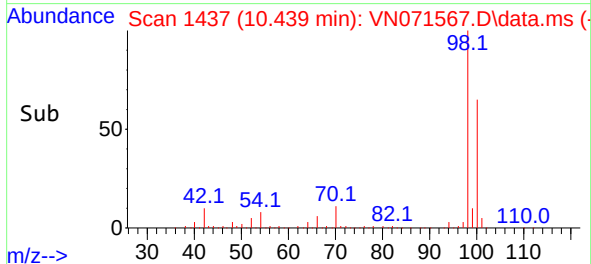
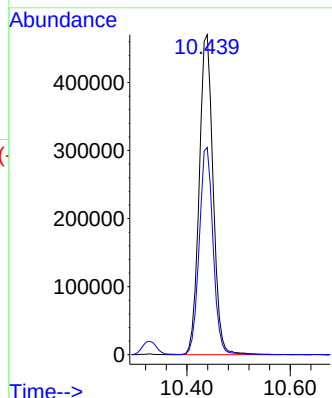
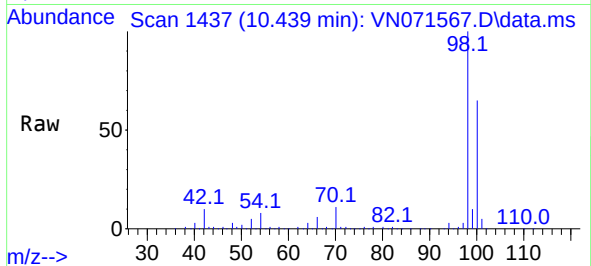
#63
Toluene-d8
Concen: 30.923 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022DL

Tgt Ion: 98 Resp: 877062
Ion Ratio Lower Upper
98 100
100 64.5 50.6 76.0

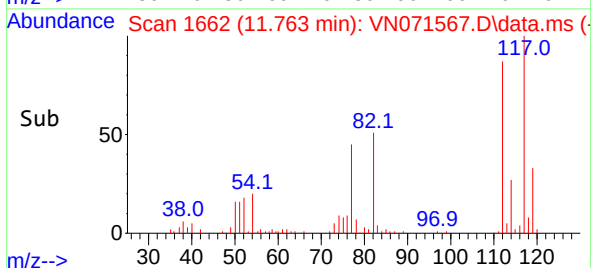
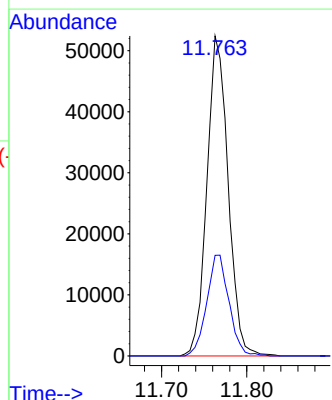
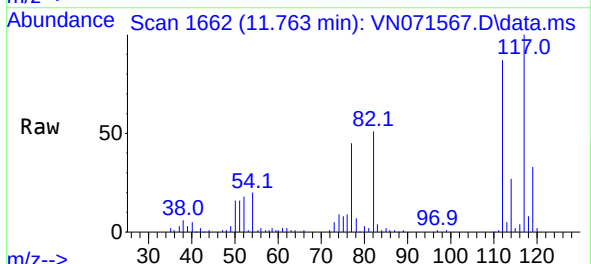
Manual Integrations
APPROVED

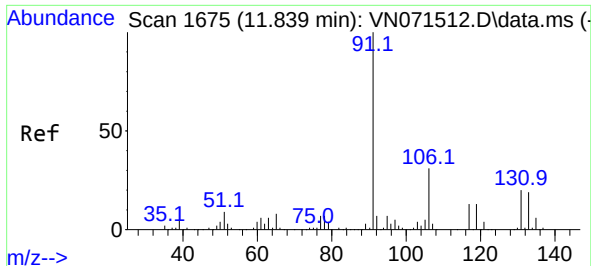
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#64
Chlorobenzene
Concen: 3.880 ug/l
RT: 11.763 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

Tgt Ion:112 Resp: 90666
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.6





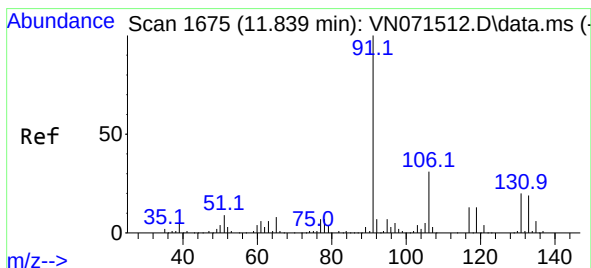
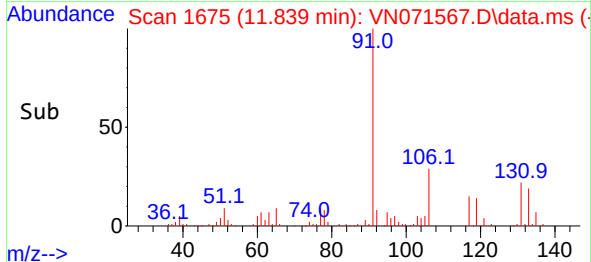
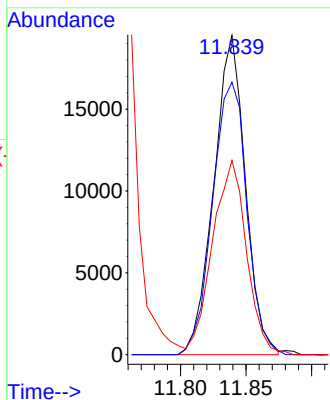
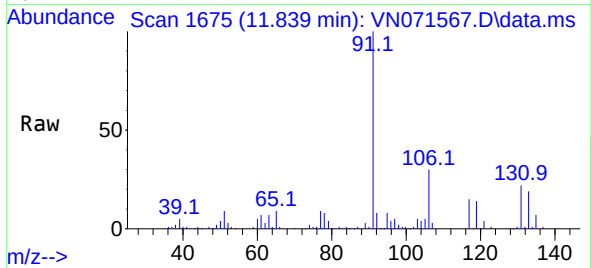
#65
1,1,1,2-Tetrachloroethane
Concen: 3.805 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022DL

Tgt Ion:131 Resp: 32618
Ion Ratio Lower Upper
131 100
133 92.9 0.0 191.2
119 65.5 0.0 128.8

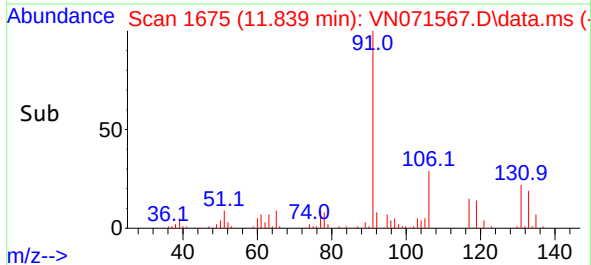
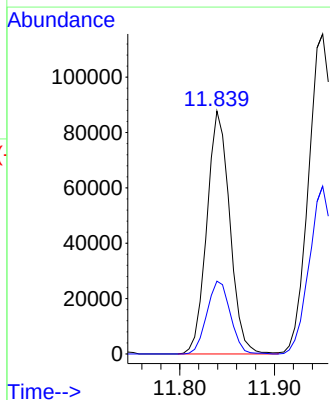
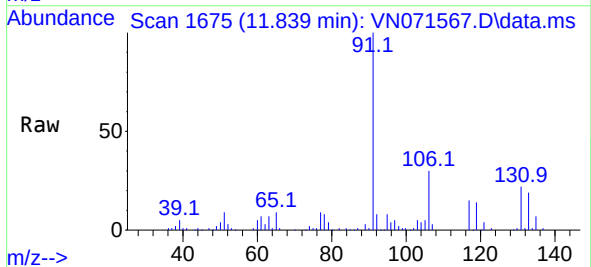
Manual Integrations
APPROVED

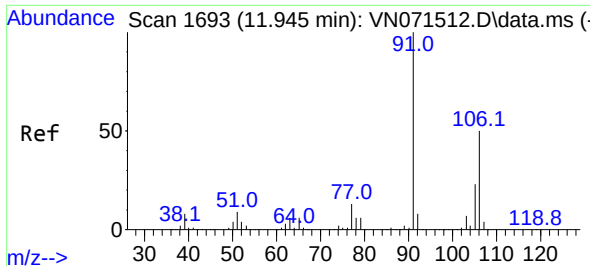
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#66
Ethyl Benzene
Concen: 3.583 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

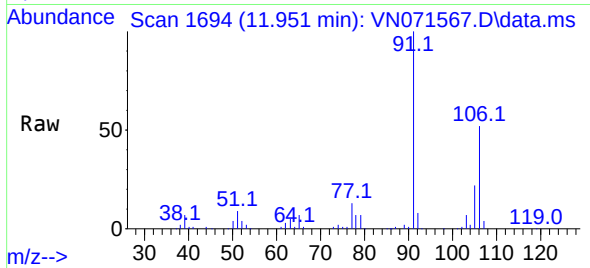
Tgt Ion: 91 Resp: 147531
Ion Ratio Lower Upper
91 100
106 29.9 24.0 36.0





#67
m/p-Xylenes
Concen: 7.111 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. 0.006 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

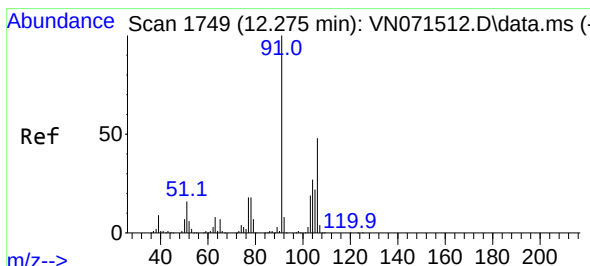
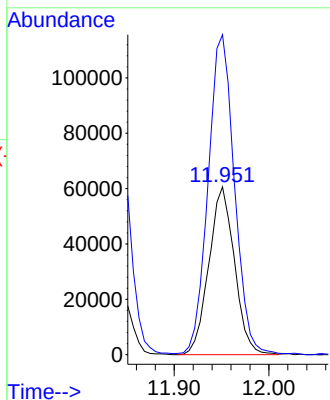
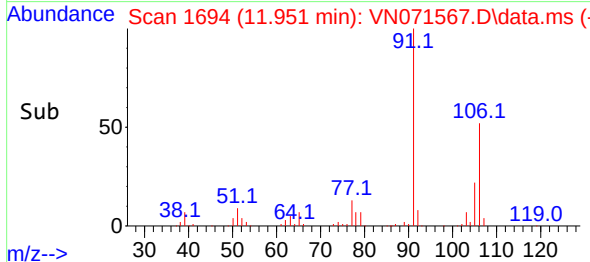
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022DL



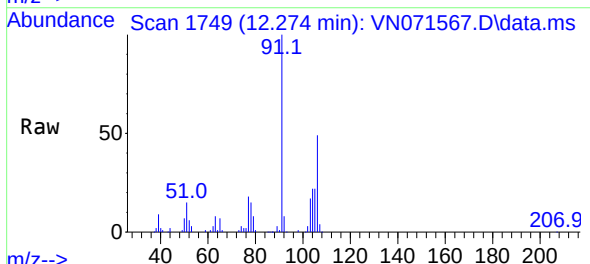
Tgt Ion:106 Resp: 11389
Ion Ratio Lower Upper
106 100
91 196.1 162.9 244.3

Manual Integrations
APPROVED

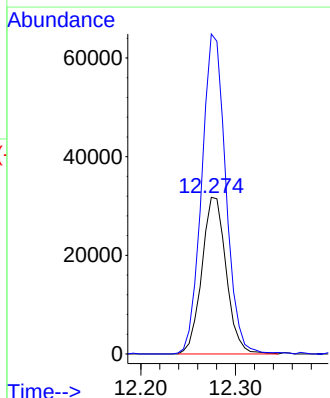
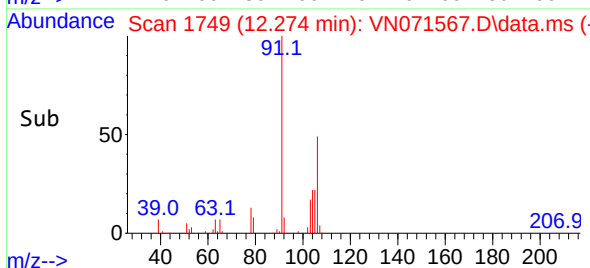
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

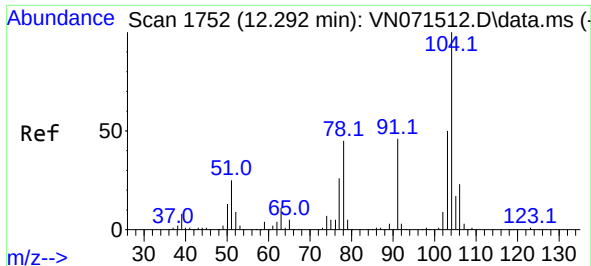


#68
o-Xylene
Concen: 3.559 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04



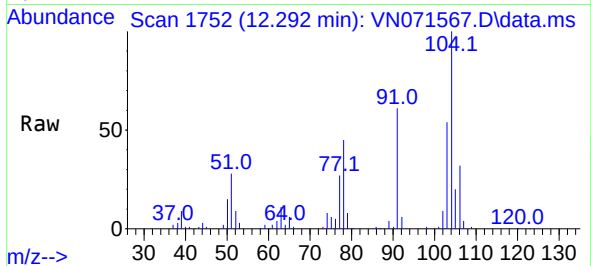
Tgt Ion:106 Resp: 56664
Ion Ratio Lower Upper
106 100
91 202.5 107.7 323.1





#69
Styrene
Concen: 3.180 ug/l
RT: 12.292 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

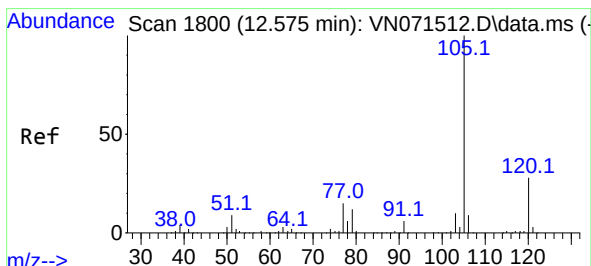
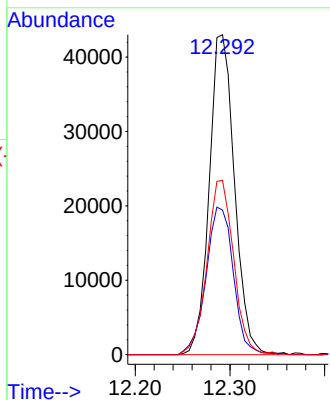
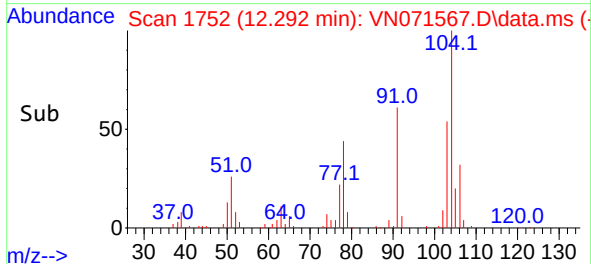
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022DL



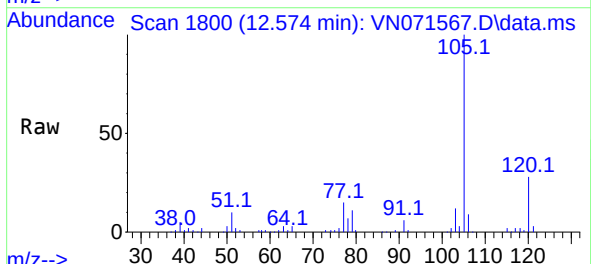
Tgt Ion:104 Resp: 79679
Ion Ratio Lower Upper
104 100
78 49.8 40.7 61.1
103 57.3 45.8 68.8

Manual Integrations
APPROVED

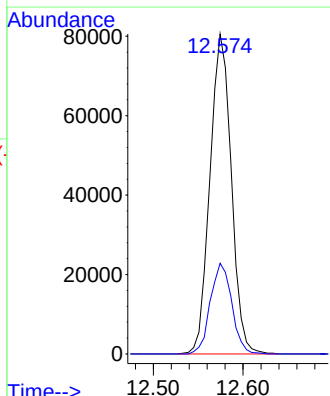
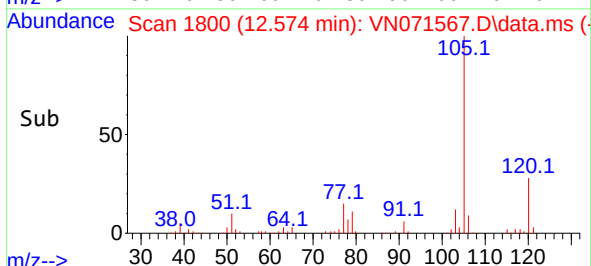
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

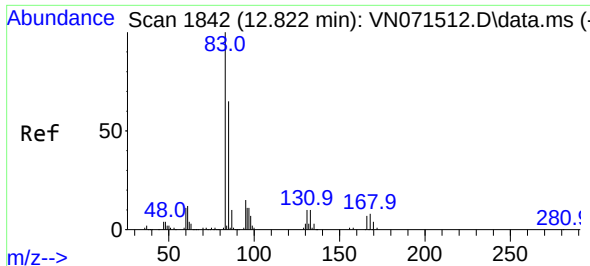


#70
Isopropylbenzene
Concen: 3.333 ug/l
RT: 12.574 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04



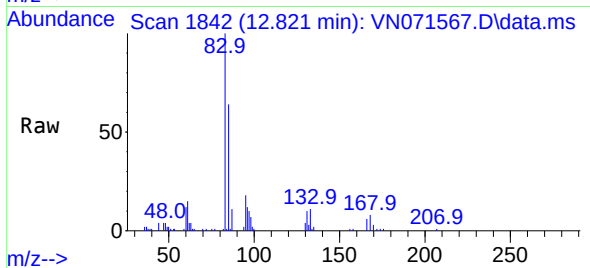
Tgt Ion:105 Resp: 133191
Ion Ratio Lower Upper
105 100
120 28.5 18.3 34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 3.892 ug/l
RT: 12.821 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

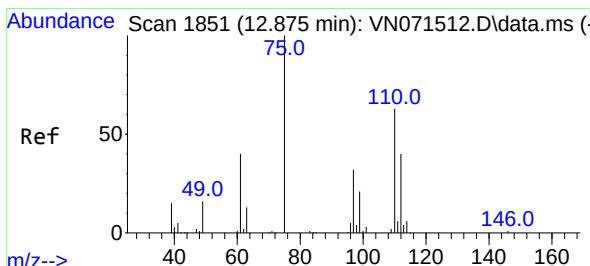
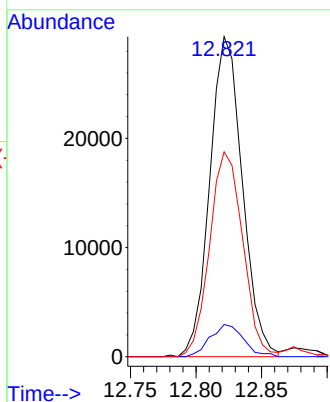
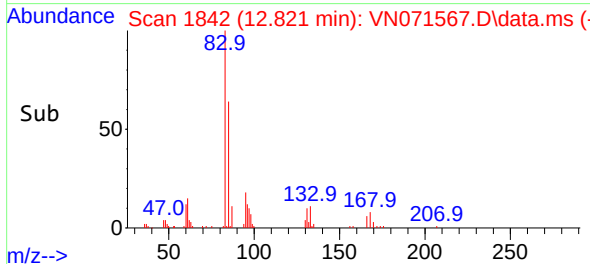
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022DL



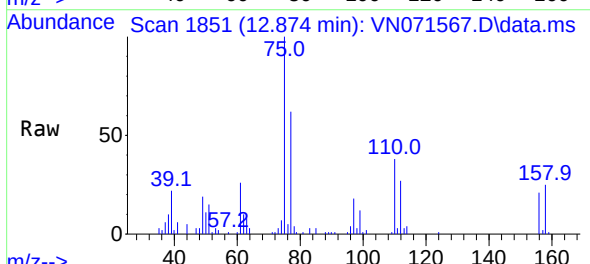
Tgt Ion: 83 Resp: 50614
Ion Ratio Lower Upper
83 100
131 10.1 5.1 15.3
85 65.1 33.1 99.2

Manual Integrations
APPROVED

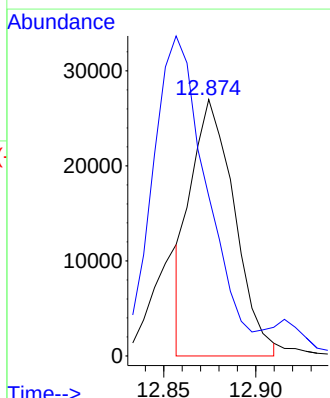
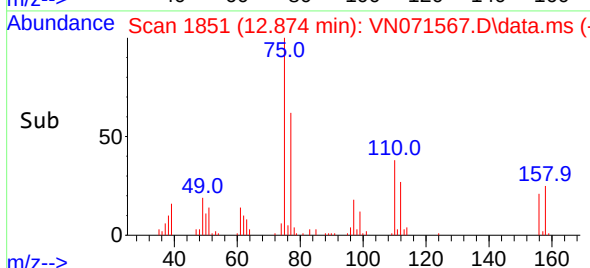
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

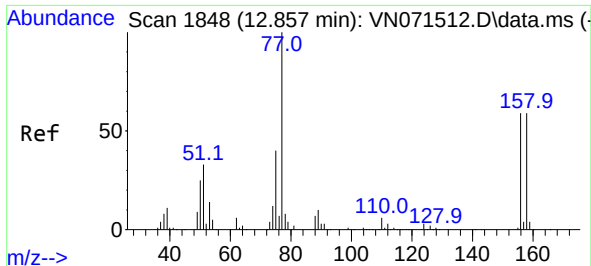


#72
1,2,3-Trichloropropane
Concen: 3.979 ug/l m
RT: 12.874 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04



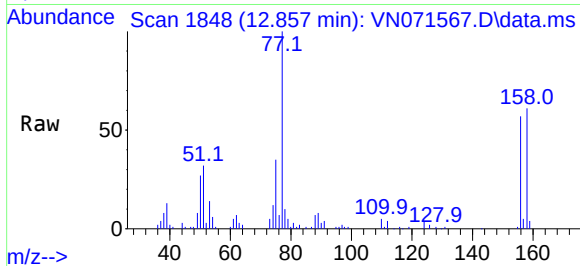
Tgt Ion: 75 Resp: 44452
Ion Ratio Lower Upper
75 100
77 155.9 0.0 378.0





#73
Bromobenzene
Concen: 3.626 ug/l
RT: 12.857 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

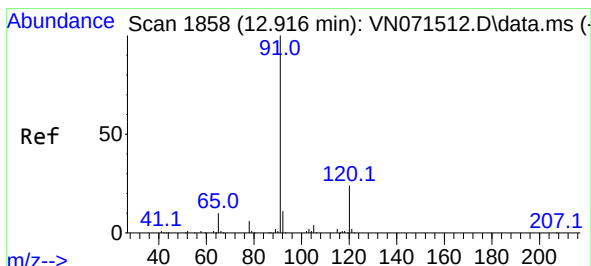
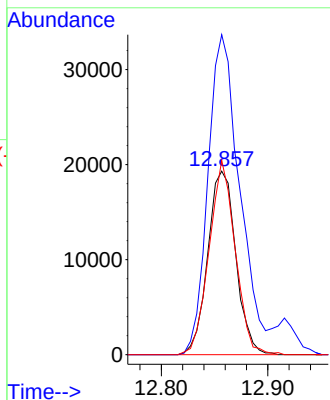
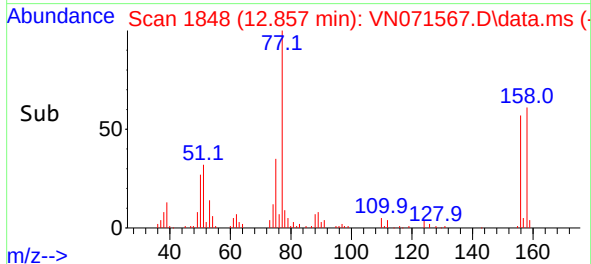
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022DL



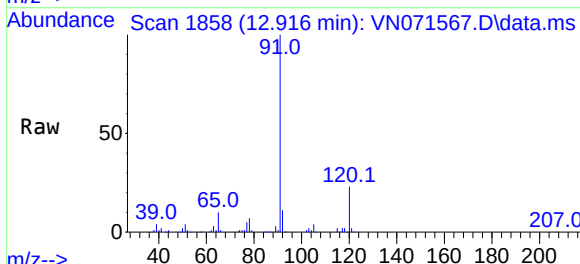
Tgt Ion:156 Resp: 3534
Ion Ratio Lower Upper
156 100
77 196.1 0.0 416.0
158 98.2 0.0 195.4

Manual Integrations
APPROVED

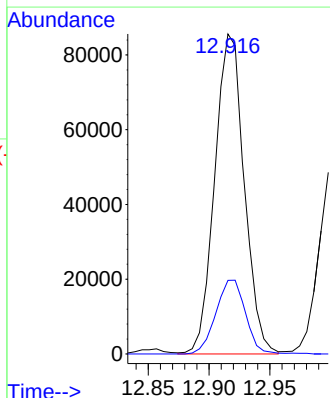
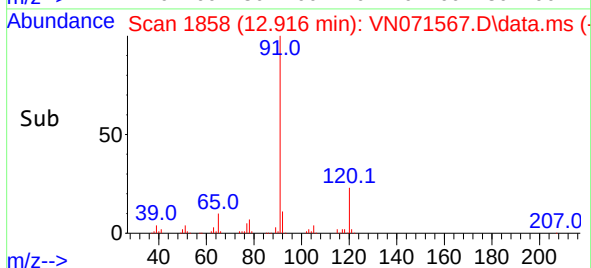
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

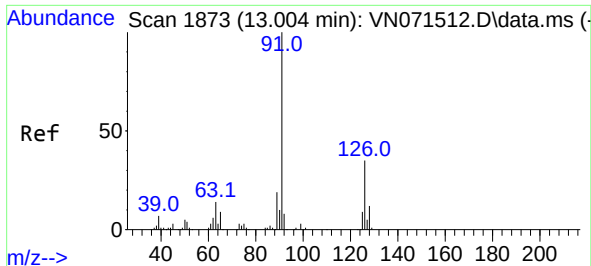


#74
n-propylbenzene
Concen: 3.308 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04



Tgt Ion: 91 Resp: 144272
Ion Ratio Lower Upper
91 100
120 23.1 0.0 45.0





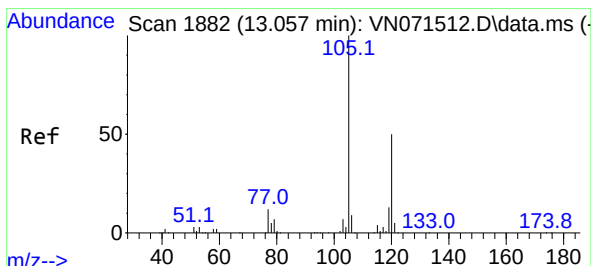
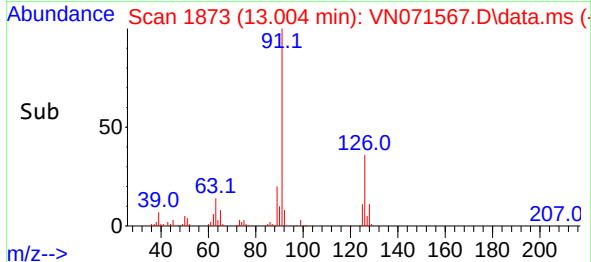
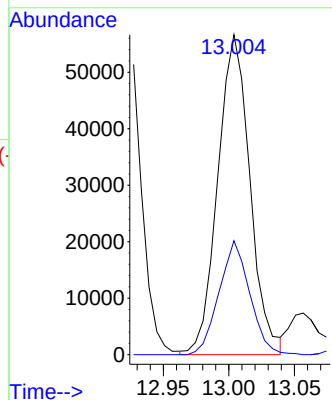
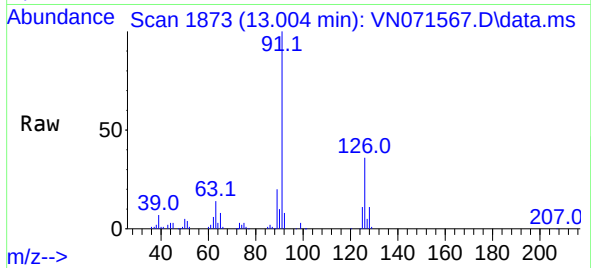
#75
2-Chlorotoluene
Concen: 3.549 ug/l
RT: 13.004 min Scan# 1873
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022DL

Tgt Ion: 91 Resp: 9671
Ion Ratio Lower Upper
91 100
126 34.0 0.0 69.8

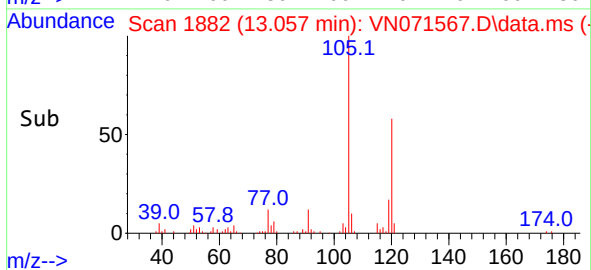
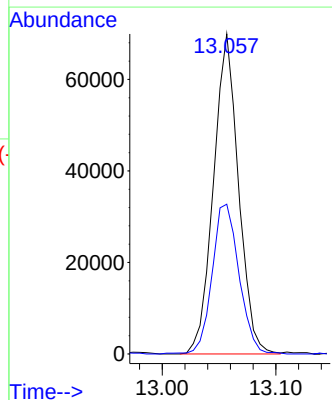
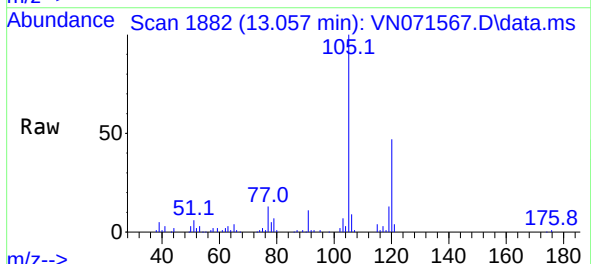
Manual Integrations
APPROVED

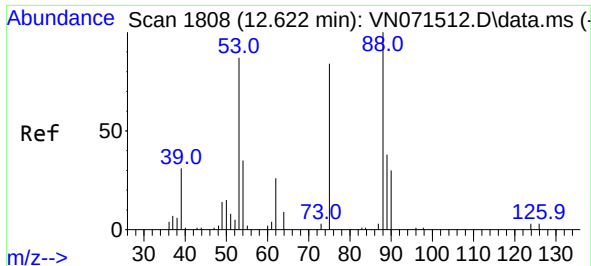
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#76
1,3,5-Trimethylbenzene
Concen: 3.340 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

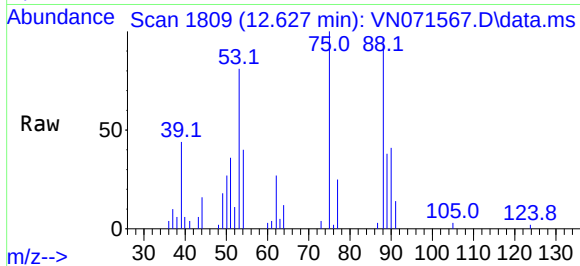
Tgt Ion:105 Resp: 107068
Ion Ratio Lower Upper
105 100
120 50.0 0.0 93.8





#77
t-1,4-Dichloro-2-butene
Concen: 2.931 ug/l
RT: 12.627 min Scan# 1808
Delta R.T. 0.006 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

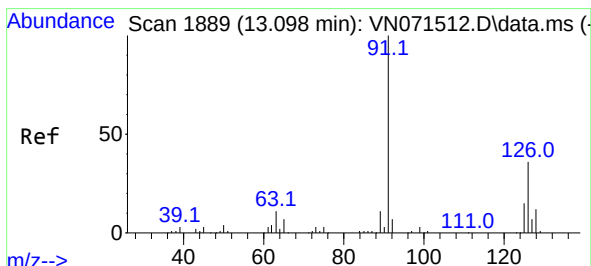
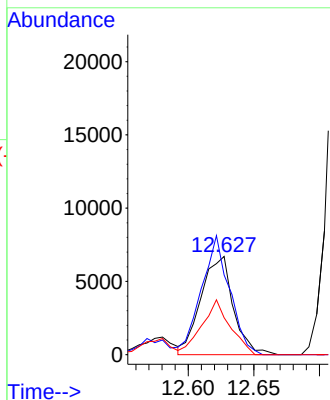
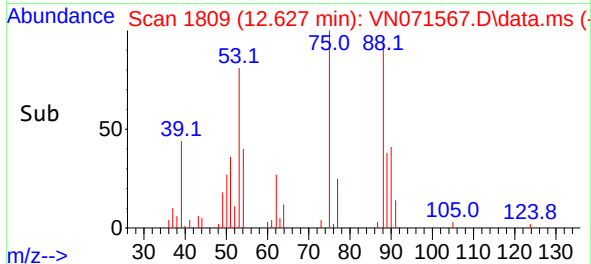
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022DL



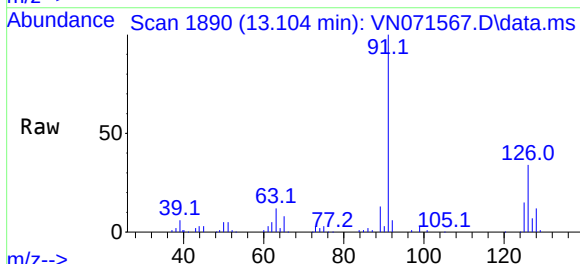
Tgt Ion: 75 Resp: 11498
Ion Ratio Lower Upper
75 100
53 81.2 51.8 155.5
89 37.7 22.9 68.7

Manual Integrations
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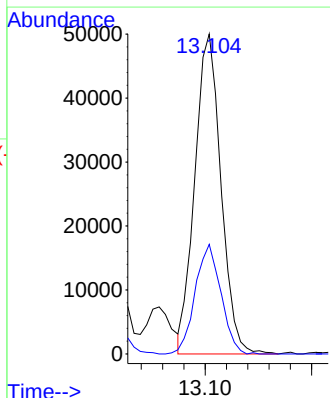
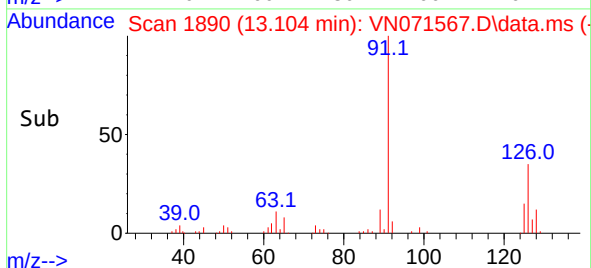
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

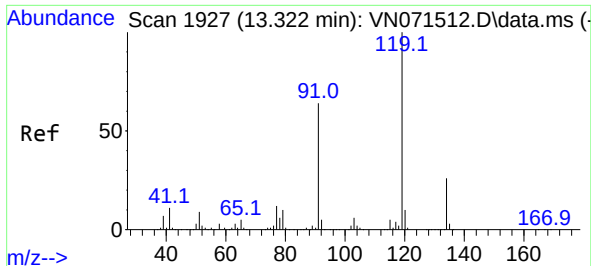


#78
4-Chlorotoluene
Concen: 3.357 ug/l
RT: 13.104 min Scan# 1890
Delta R.T. 0.006 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04



Tgt Ion: 91 Resp: 85434
Ion Ratio Lower Upper
91 100
126 33.6 0.0 70.6





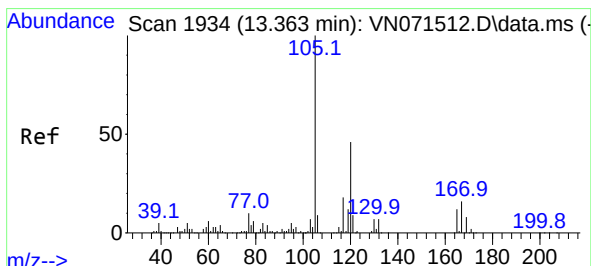
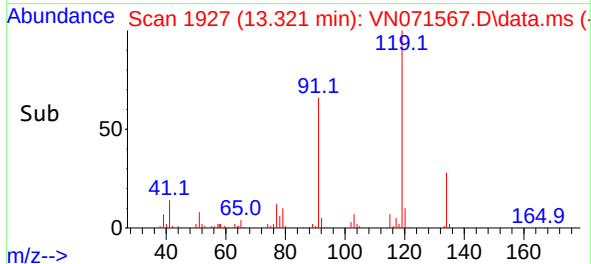
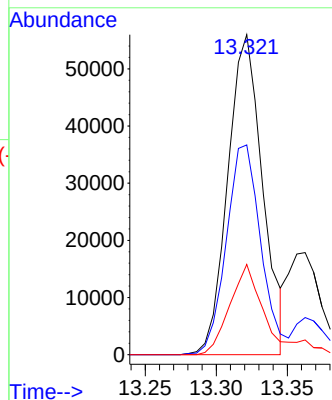
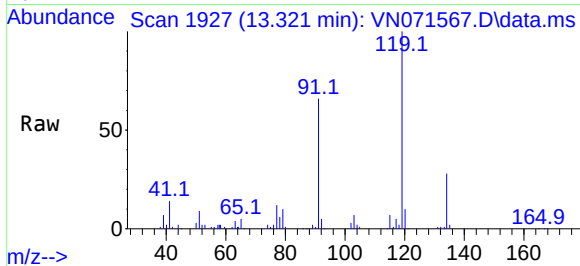
#79
tert-butylbenzene
Concen: 3.309 ug/l
RT: 13.321 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022DL

Tgt Ion:119 Resp: 9571
Ion Ratio Lower Upper
119 100
91 65.5 0.0 137.0
134 26.4 0.0 47.6

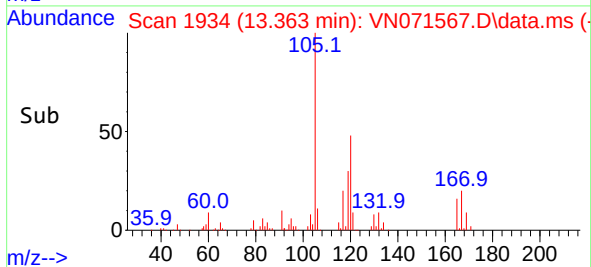
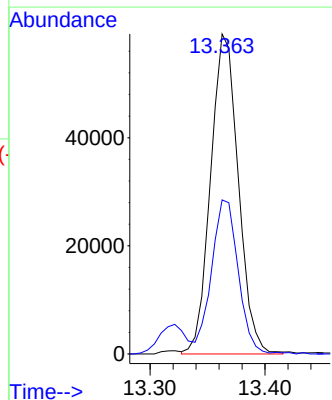
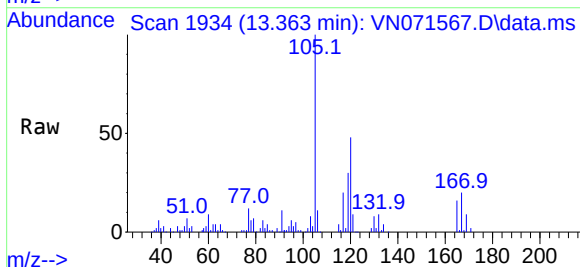
Manual Integrations
APPROVED

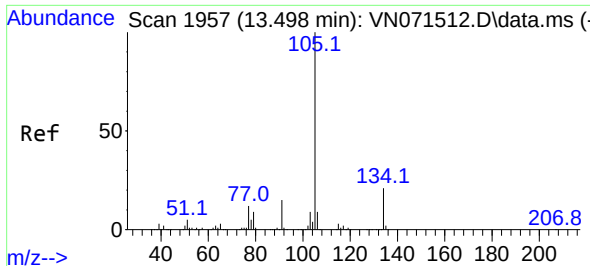
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#80
1,2,4-Trimethylbenzene
Concen: 3.191 ug/l m
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

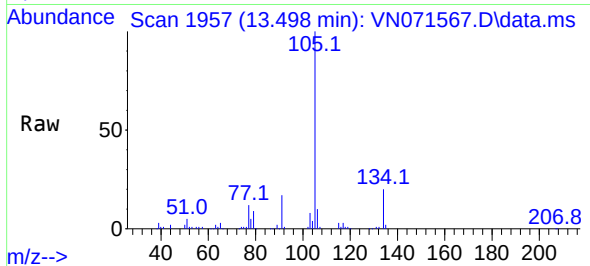
Tgt Ion:105 Resp: 99241
Ion Ratio Lower Upper
105 100
120 0.2 0.0 0.2





#81
 sec-Butylbenzene
 Concen: 3.271 ug/l
 RT: 13.498 min Scan# 1957
 Delta R.T. -0.000 min
 Lab File: VN071567.D
 Acq: 26 Mar 2022 12:04

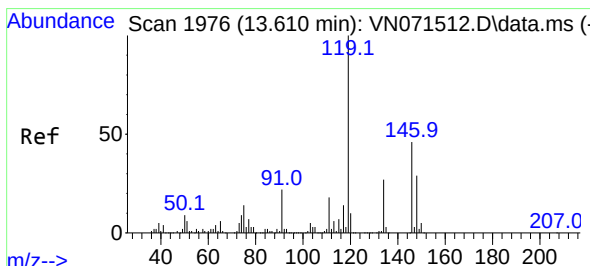
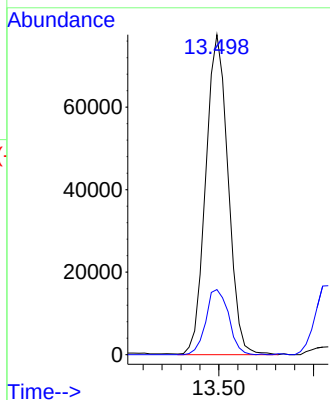
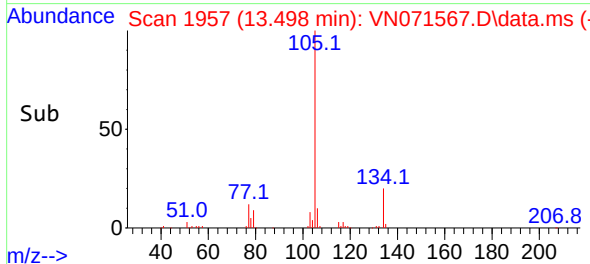
Instrument : MSVOA_N
 ClientSampleId : MDL-WATER-03-QT1-2022DL



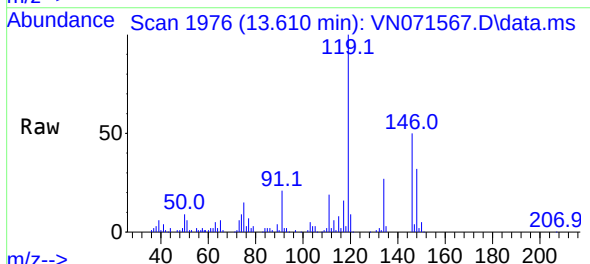
Tgt Ion:105 Resp: 127138
 Ion Ratio Lower Upper
 105 100
 134 20.7 0.0 39.4

Manual Integrations
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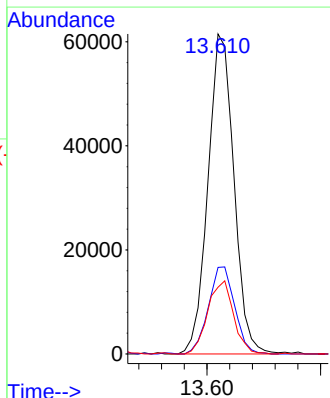
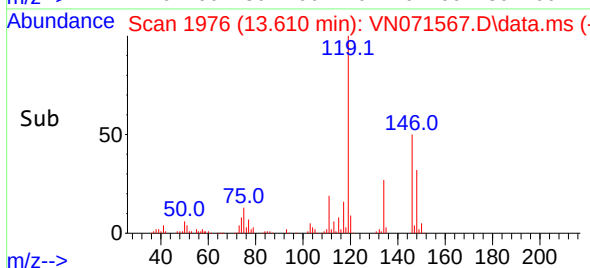
Reviewed By :John Carlone 03/28/2022
 Supervised By :Mahesh Dadoda 03/28/2022

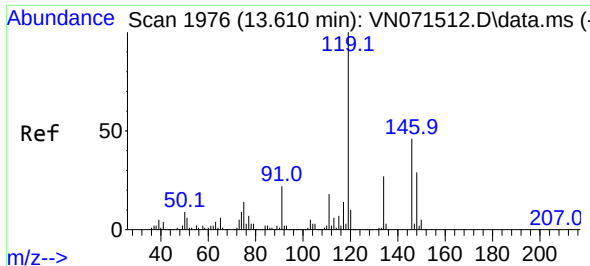


#82
 p-Isopropyltoluene
 Concen: 3.093 ug/l
 RT: 13.610 min Scan# 1976
 Delta R.T. -0.000 min
 Lab File: VN071567.D
 Acq: 26 Mar 2022 12:04



Tgt Ion:119 Resp: 97670
 Ion Ratio Lower Upper
 119 100
 134 27.5 0.0 51.8
 91 22.8 0.0 50.4





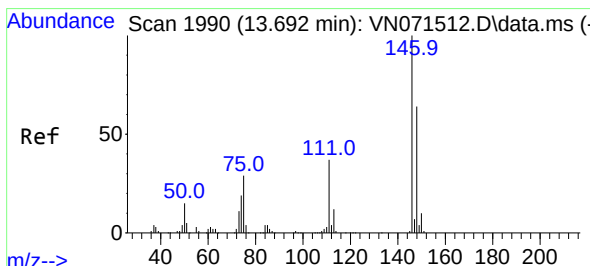
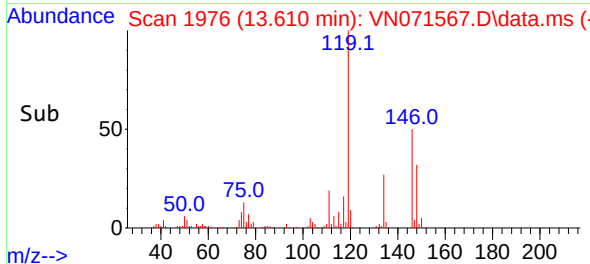
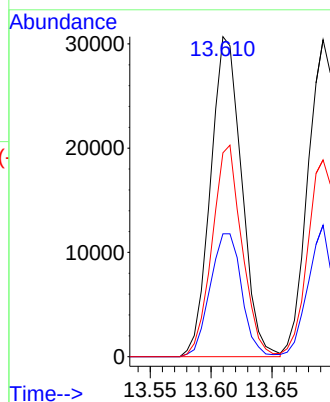
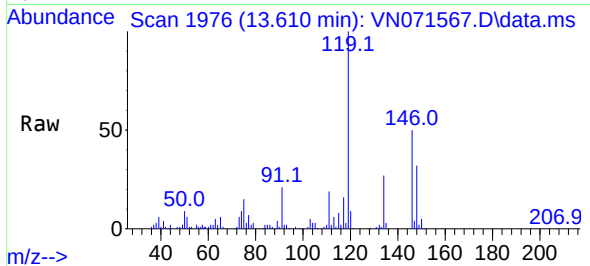
#83
1,3-Dichlorobenzene
Concen: 3.412 ug/l
RT: 13.610 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022DL

Tgt Ion:146 Resp: 54420
Ion Ratio Lower Upper
146 100
111 39.0 20.8 62.2
148 63.5 31.4 94.3

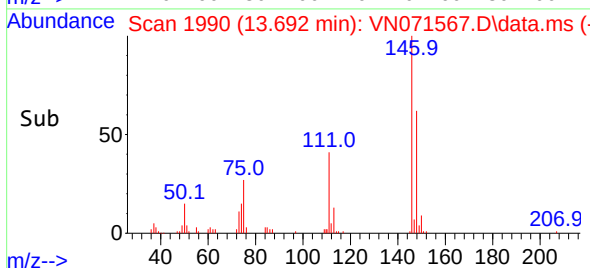
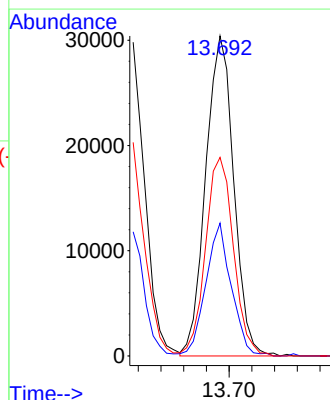
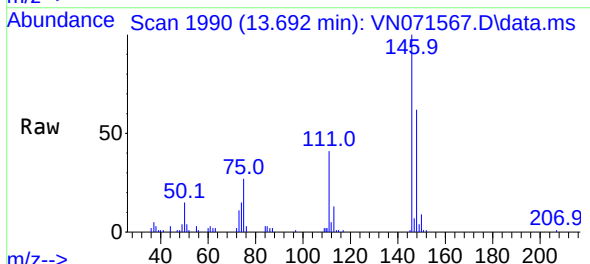
Manual Integrations
APPROVED

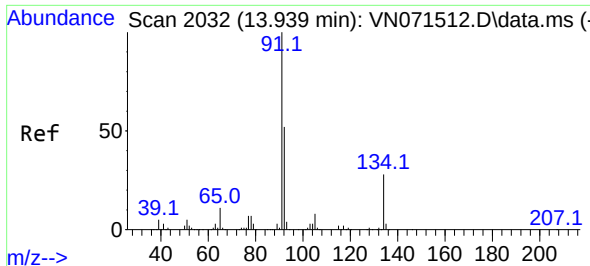
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#84
1,4-Dichlorobenzene
Concen: 3.431 ug/l
RT: 13.692 min Scan# 1990
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

Tgt Ion:146 Resp: 52236
Ion Ratio Lower Upper
146 100
111 37.7 19.5 58.5
148 62.1 31.1 93.5





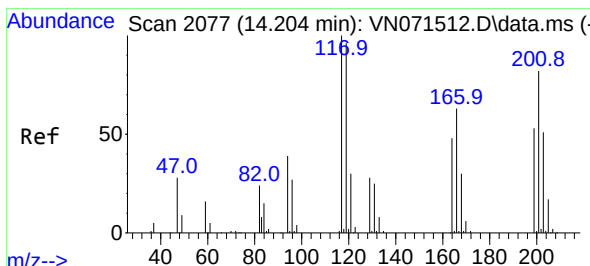
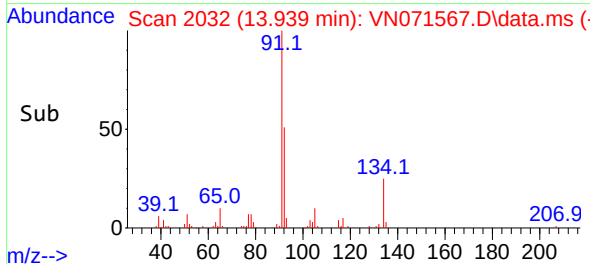
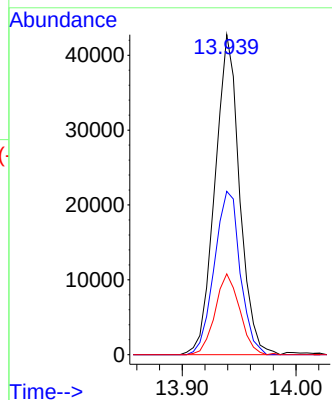
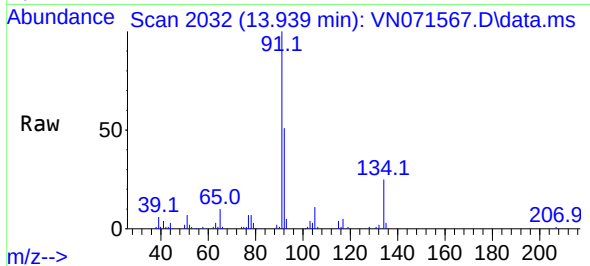
#85
n-Butylbenzene
Concen: 2.742 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022DL

Tgt Ion: 91 Resp: 64328
Ion Ratio Lower Upper
91 100
92 53.7 0.0 100.6
134 25.2 0.0 50.2

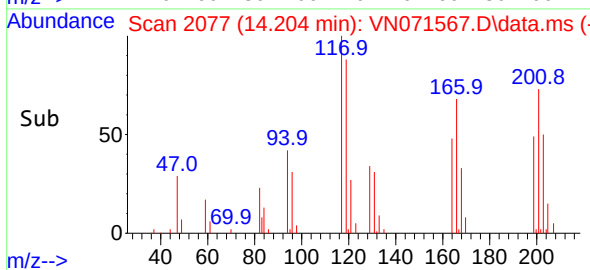
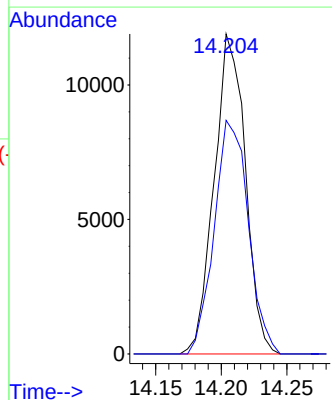
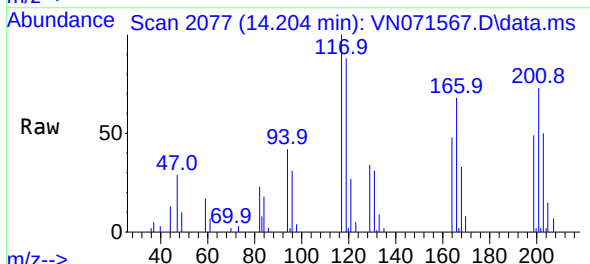
Manual Integrations
APPROVED

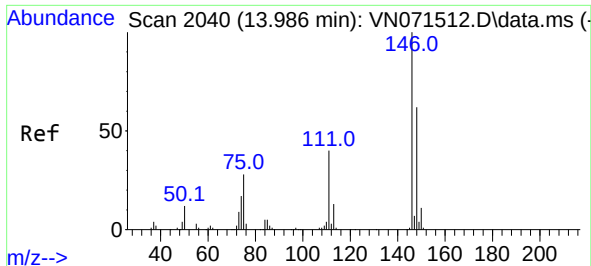
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#86
Hexachloroethane
Concen: 3.329 ug/l
RT: 14.204 min Scan# 2077
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

Tgt Ion:117 Resp: 19632
Ion Ratio Lower Upper
117 100
201 79.8 33.3 99.8





#87

1,2-Dichlorobenzene

Concen: 3.597 ug/l

RT: 13.986 min Scan# 2040

Delta R.T. -0.000 min

Lab File: VN071567.D

Acq: 26 Mar 2022 12:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2022DL

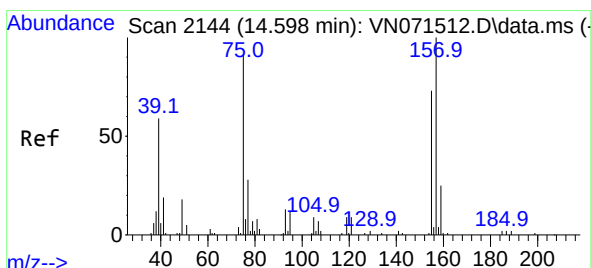
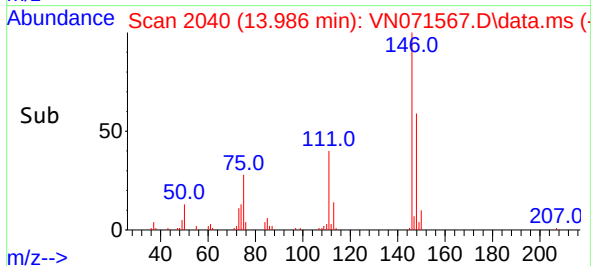
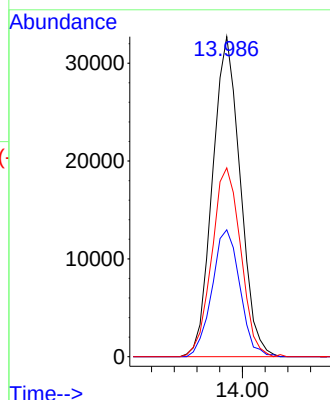
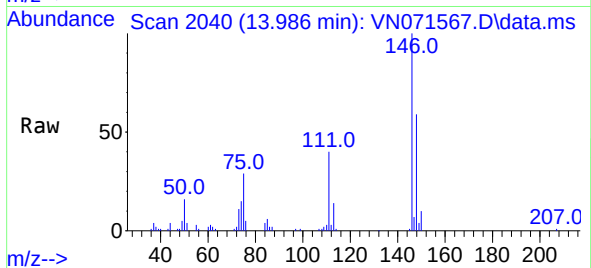
Tgt Ion:	146	Resp:	5546
Ion Ratio	Lower	Upper	
146	100		
111	39.9	21.4	64.2
148	61.4	32.5	97.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/28/2022

Supervised By :Mahesh Dadoda 03/28/2022



#88

1,2-Dibromo-3-Chloropropane

Concen: 3.217 ug/l

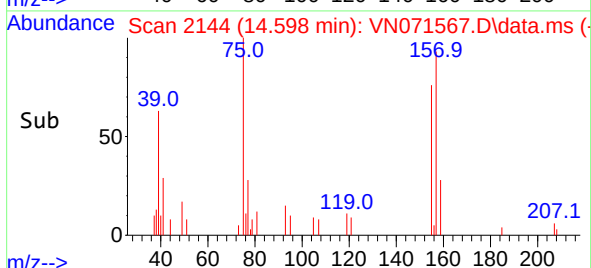
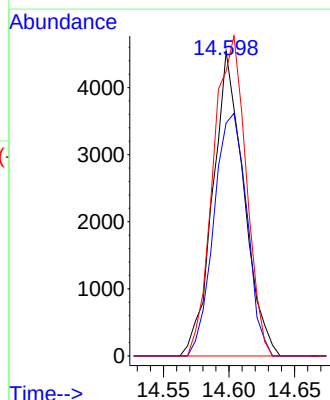
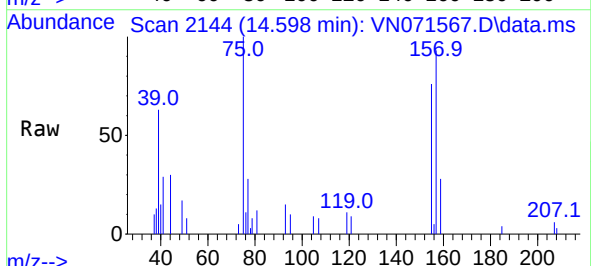
RT: 14.598 min Scan# 2144

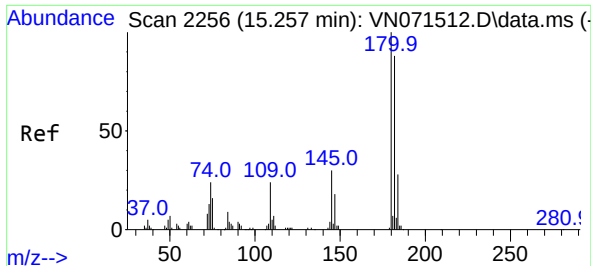
Delta R.T. -0.000 min

Lab File: VN071567.D

Acq: 26 Mar 2022 12:04

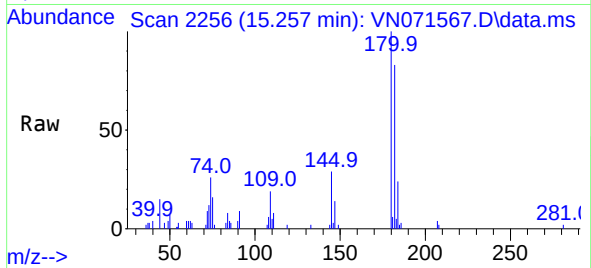
Tgt Ion:	75	Resp:	7444
Ion Ratio	Lower	Upper	
75	100		
155	84.8	63.8	95.8
157	111.2	77.9	116.9





#89
1,2,4-Trichlorobenzene
Concen: 2.651 ug/l m
RT: 15.257 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

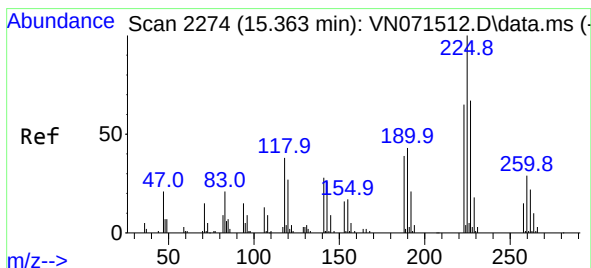
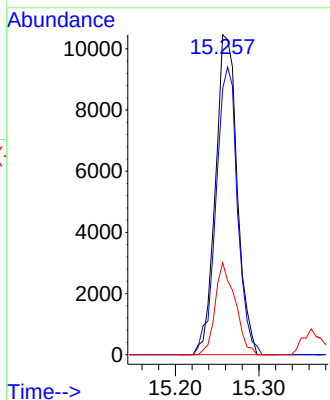
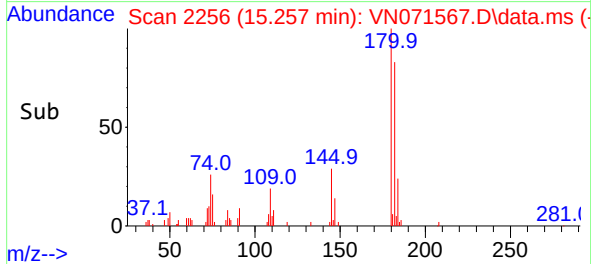
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022DL



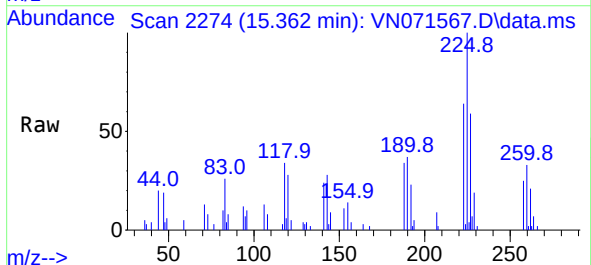
Tgt Ion:180 Resp: 1889
Ion Ratio Lower Upper
180 100
182 87.0 77.7 116.5
145 27.6 26.6 39.8

Manual Integrations
APPROVED

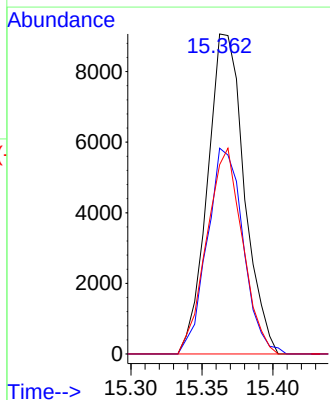
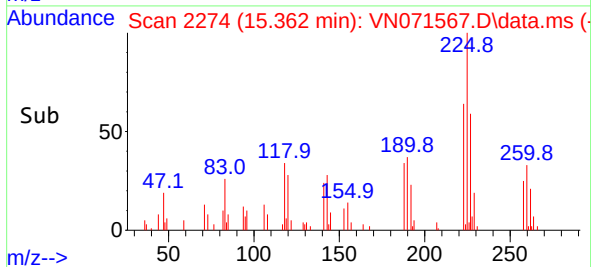
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

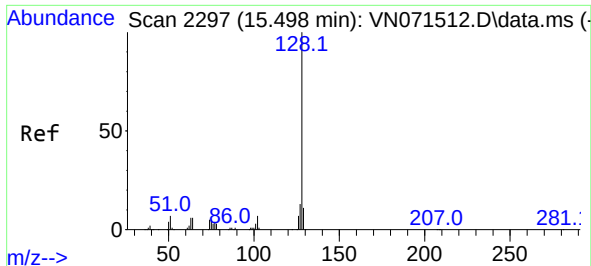


#90
Hexachlorobutadiene
Concen: 3.867 ug/l
RT: 15.362 min Scan# 2274
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04



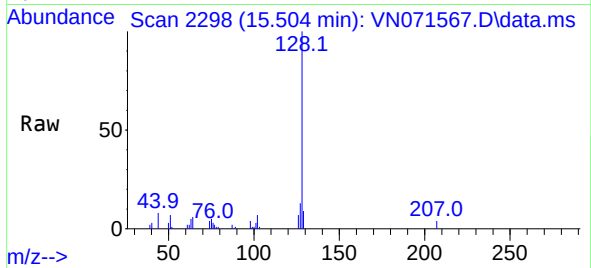
Tgt Ion:225 Resp: 16335
Ion Ratio Lower Upper
225 100
223 62.9 0.0 126.8
227 62.5 0.0 123.0





#91
Naphthalene
Concen: 1.720 ug/l
RT: 15.504 min Scan# 2297
Delta R.T. 0.006 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

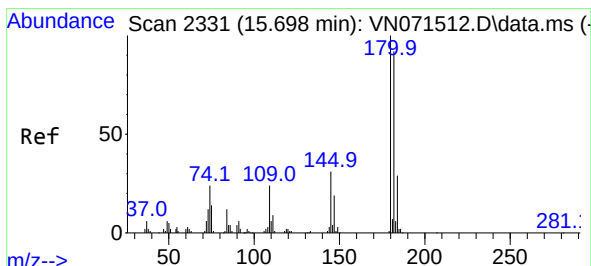
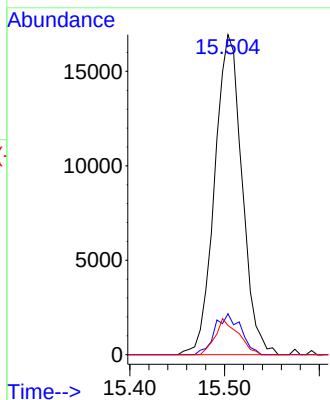
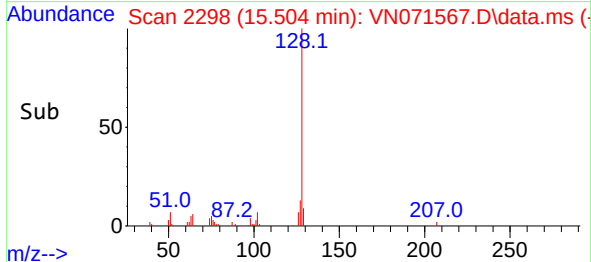
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022DL



Tgt Ion:128 Resp: 3408
Ion Ratio Lower Upper
128 100
127 12.2 10.7 16.1
129 9.4 9.0 13.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#92
1,2,3-Trichlorobenzene
Concen: 2.524 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. -0.000 min
Lab File: VN071567.D
Acq: 26 Mar 2022 12:04

Tgt Ion:180 Resp: 17642
Ion Ratio Lower Upper
180 100
182 93.1 0.0 190.0
145 29.6 0.0 67.8

