

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056708.D
 Acq On : 15 Jul 2019 13:43
 Operator : JC/SP
 Sample : K3591-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:31:34 AM

Quant Time: Jul 16 07:06:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 06:46:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	319347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	502613	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	427541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142216	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	181512	51.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.76%	
35) Dibromofluoromethane	7.59	113	154372	49.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.70%	
50) Toluene-d8	10.09	98	583599	48.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.62%	
62) 4-Bromofluorobenzene	12.40	95	167428	41.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.20%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	3096	1.032	ug/l	96
3) Chloromethane	2.06	50	4424	1.097	ug/l #	86
4) Vinyl Chloride	2.18	62	4108	1.058	ug/l	98
5) Bromomethane	2.55	94	3046	1.334	ug/l	98
6) Chloroethane	2.70	64	2435	1.076	ug/l	96
7) Trichlorofluoromethane	3.01	101	5007	1.005	ug/l	94
8) Diethyl Ether	3.41	74	1999	1.029	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.75	101	3052	1.020	ug/l #	62
10) Methyl Iodide	3.95	142	3142	0.785	ug/l #	86
11) Tert butyl alcohol	4.79	59	2858	4.861	ug/l #	73
12) 1,1-Dichloroethene	3.73	96	3177m	1.058	ug/l	
13) Acrolein	3.62	56	1501	7.034	ug/l	95
14) Allyl chloride	4.32	41	5379m	1.036	ug/l	
15) Acrylonitrile	4.99	53	8184	4.820	ug/l #	90
16) Acetone	3.82	43	7822	4.805	ug/l	89
17) Carbon Disulfide	4.05	76	8128	1.025	ug/l	97
18) Methyl Acetate	4.34	43	6981	1.599	ug/l	96
19) Methyl tert-butyl Ether	5.04	73	9152	0.957	ug/l #	90
20) Methylene Chloride	4.55	84	4509m	1.268	ug/l	
21) trans-1,2-Dichloroethene	5.04	96	3364	1.060	ug/l	90
22) Diisopropyl ether	5.95	45	10061	0.982	ug/l #	62
23) Vinyl Acetate	5.91	43	36359	4.378	ug/l	95
24) 1,1-Dichloroethane	5.85	63	5940	1.000	ug/l #	83
25) 2-Butanone	6.85	43	10696	4.494	ug/l	99
26) 2,2-Dichloropropane	6.82	77	3856	0.900	ug/l #	71
27) cis-1,2-Dichloroethene	6.83	96	3696	1.012	ug/l	53
28) Bromochloromethane	7.20	49	2796	1.001	ug/l #	98
29) Tetrahydrofuran	7.22	42	7426	4.784	ug/l	98
30) Chloroform	7.37	83	6399	1.076	ug/l	98
31) Cyclohexane	7.66	56	10711	1.897	ug/l #	38
32) 1,1,1-Trichloroethane	7.58	97	4455m	0.947	ug/l	
36) 1,1-Dichloropropene	7.79	75	4716	1.014	ug/l	93
37) Ethyl Acetate	6.93	43	3892	0.849	ug/l #	80
38) Carbon Tetrachloride	7.78	117	4520	1.036	ug/l #	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	5112	0.890	ug/l	90
40) Benzene	8.04	78	13428	0.942	ug/l	97
41) Methacrylonitrile	7.18	41	1393m	0.692	ug/l	
42) 1,2-Dichloroethane	8.13	62	4994	1.109	ug/l	90
43) Isopropyl Acetate	8.17	43	6916	0.960	ug/l #	92
44) Trichloroethene	8.84	130	3600	0.930	ug/l	100
45) 1,2-Dichloropropane	9.12	63	3713	0.981	ug/l	94
46) Dibromomethane	9.21	93	2465	1.050	ug/l	94
47) Bromodichloromethane	9.40	83	3785	0.849	ug/l	99
48) Methyl methacrylate	9.20	41	3369	0.967	ug/l	99
49) 1,4-Dioxane	9.20	88	1258	17.592	ug/l #	80
51) 4-Methyl-2-Pentanone	9.99	43	21941	4.701	ug/l	98
52) Toluene	10.16	92	8640	1.021	ug/l	97
53) t-1,3-Dichloropropene	10.39	75	3536	0.760	ug/l	93
54) cis-1,3-Dichloropropene	9.84	75	4537	0.840	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	3091	0.871	ug/l #	81
56) Ethyl methacrylate	10.43	69	4121	0.807	ug/l	92
57) 1,3-Dichloropropane	10.71	76	5820	1.004	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	10034	4.085	ug/l	98
59) 2-Hexanone	10.75	43	14665	4.379	ug/l	97
60) Dibromochloromethane	10.90	129	2844	0.815	ug/l	92
61) 1,2-Dibromoethane	11.00	107	3062	0.868	ug/l	96
64) Tetrachloroethene	10.63	164	4249	1.152	ug/l	95
65) Chlorobenzene	11.43	112	8970	1.026	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.51	131	2780	0.864	ug/l #	62
67) Ethyl Benzene	11.51	91	14599	0.950	ug/l	91
68) m/p-Xylenes	11.62	106	10737	1.870	ug/l	97
69) o-Xylene	11.94	106	4782	0.847	ug/l	86
70) Styrene	11.96	104	7626	0.836	ug/l	99
71) Bromoform	12.12	173	1912	0.781	ug/l #	94
73) Isopropylbenzene	12.25	105	13138	1.146	ug/l	99
74) N-amyl acetate	12.07	43	4219	0.988	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	4998	1.296	ug/l	93
76) 1,2,3-Trichloropropane	12.55	75	4021m	1.293	ug/l	
77) Bromobenzene	12.53	156	3679	1.227	ug/l	96
78) n-propylbenzene	12.59	91	13762	1.081	ug/l	98
79) 2-Chlorotoluene	12.67	91	9202	1.168	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	10941	1.126	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.30	75	810m	0.804	ug/l	
82) 4-Chlorotoluene	12.77	91	8496	1.137	ug/l	92
83) tert-Butylbenzene	12.99	119	9428	1.115	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	10006	1.054	ug/l	99
85) sec-Butylbenzene	13.17	105	12109	1.121	ug/l	100
86) p-Isopropyltoluene	13.29	119	10138	1.036	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	5068	1.031	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	5244m	1.097	ug/l	
89) n-Butylbenzene	13.61	91	6586	0.836	ug/l	98
90) Hexachloroethane	13.88	117	1368	0.865	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	5633	1.121	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	489	0.795	ug/l	84

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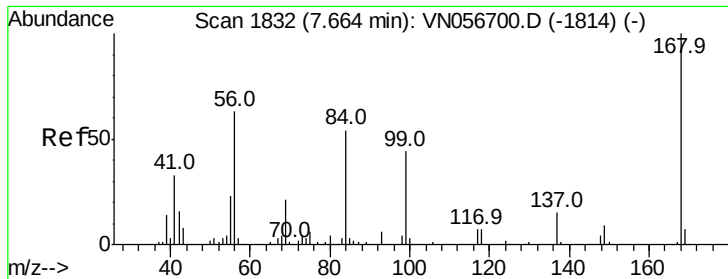
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1814	0.788	ug/l	85
94) Hexachlorobutadiene	15.01	225	2151	1.202	ug/l	99
95) Naphthalene	15.14	128	4626	0.749	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.31	180	2050	0.862	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:168 Resp: 319347

Ion Ratio Lower Upper

168 100

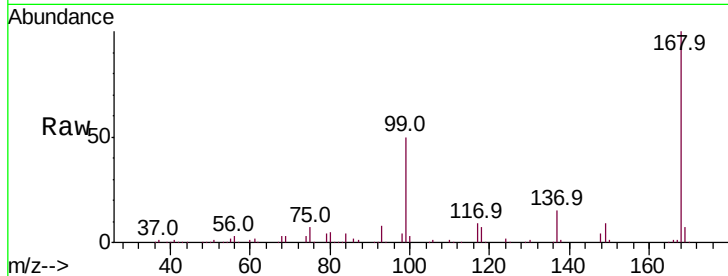
99 50.0 39.4 59.2

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Abundance Ion 167.90 (167.60 to 168.60): VN056708.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN056708.D (-1739) (-)

7.67

150000

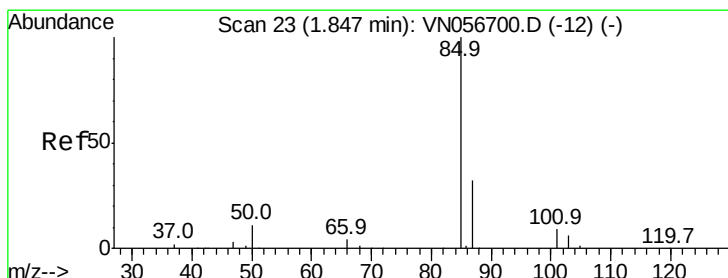
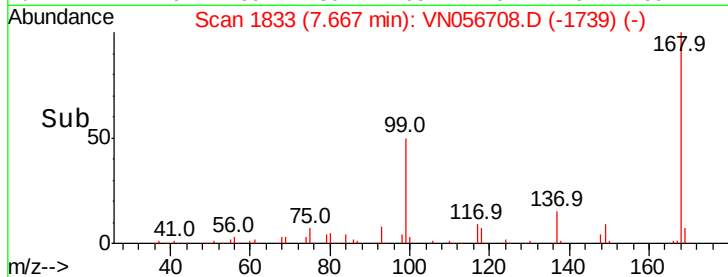
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 1.032 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056708.D

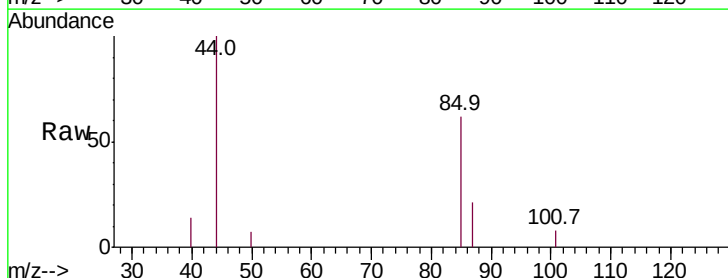
Acq: 15 Jul 2019 13:43

Tgt Ion: 85 Resp: 3096

Ion Ratio Lower Upper

85 100

87 33.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN056708.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN056708.D (-1) (-)

1.85

2500

2000

1500

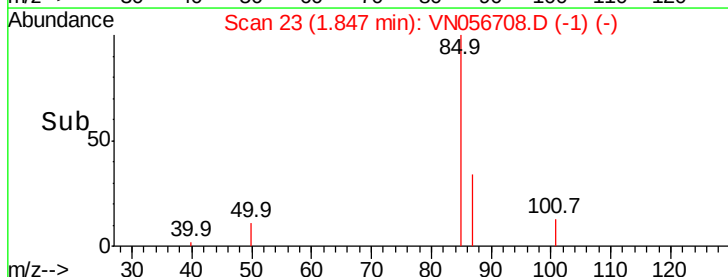
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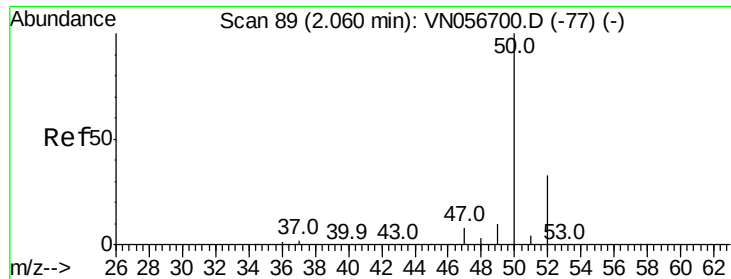
500

0

1.80 1.85 1.90

Time-->





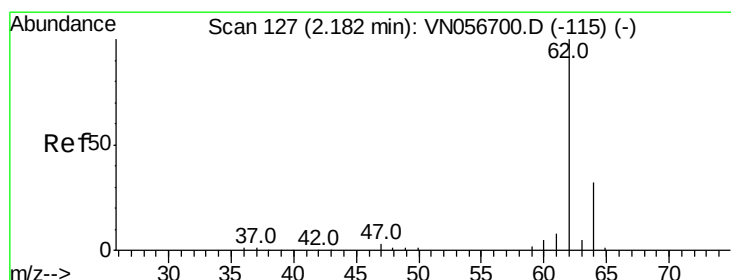
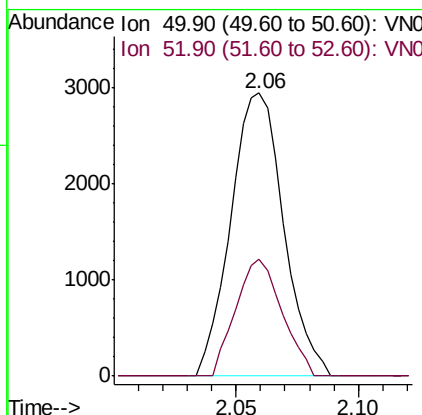
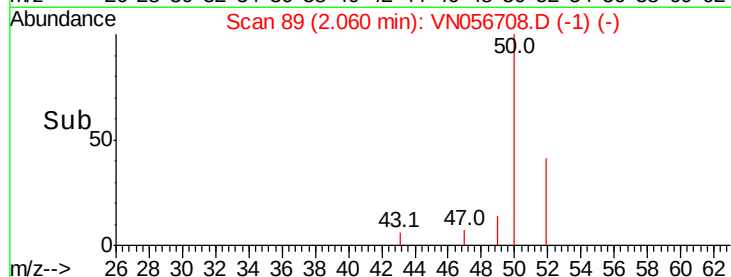
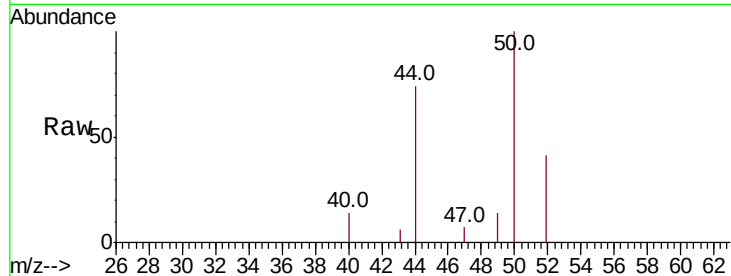
#3
Chloromethane
Concen: 1.097 ug/l
RT: 2.06 min Scan# 89
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion: 50 Resp: 4424
Ion Ratio Lower Upper
50 100
52 41.3 26.5 39.7#

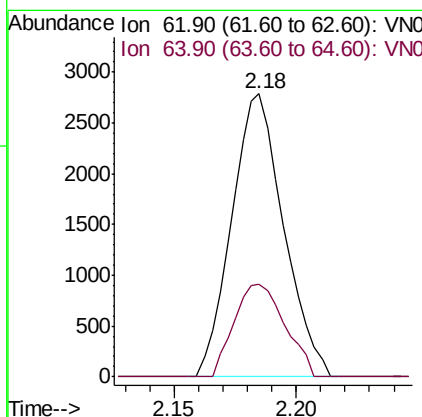
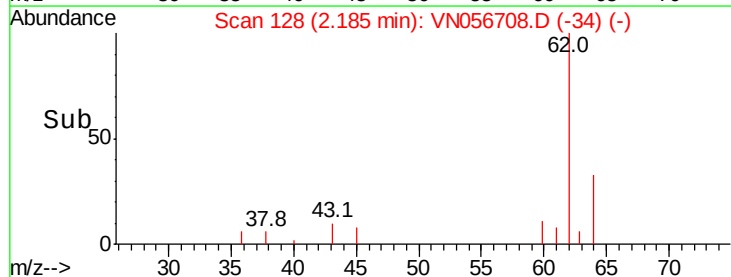
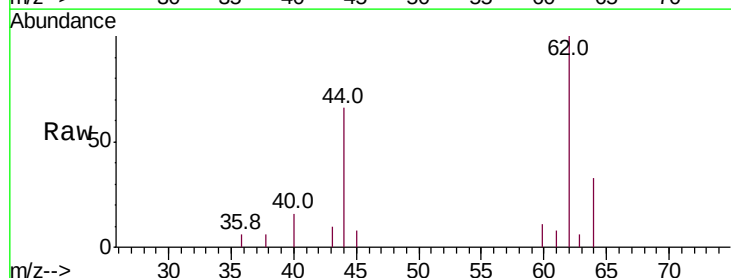
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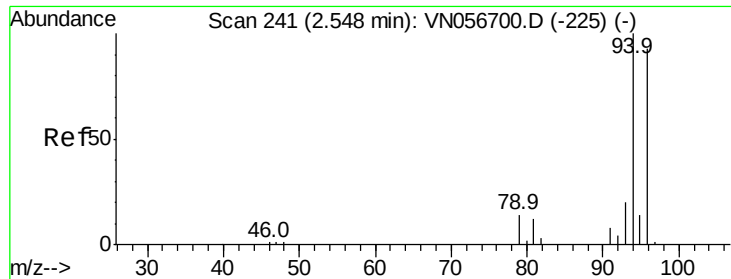
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#4
Vinyl Chloride
Concen: 1.058 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion: 62 Resp: 4108
Ion Ratio Lower Upper
62 100
64 32.9 25.6 38.4





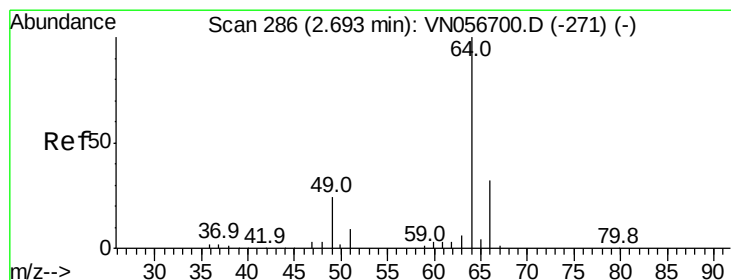
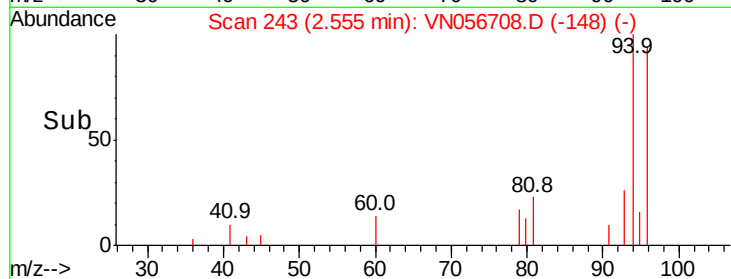
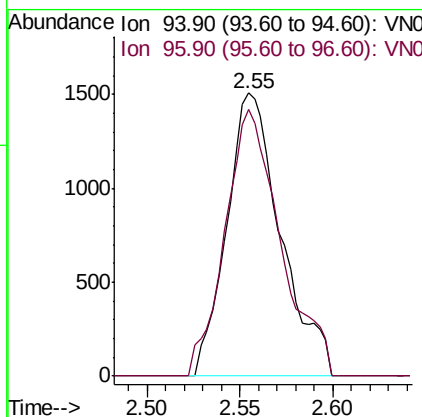
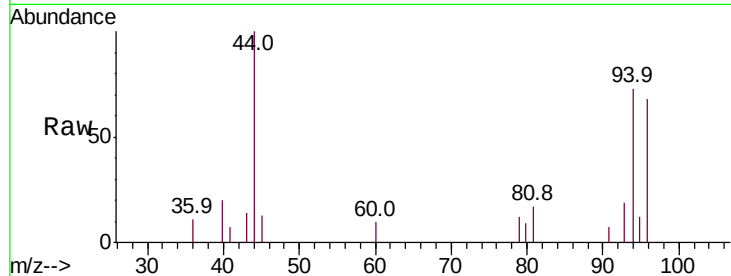
#5
Bromomethane
Concen: 1.334 ug/l
RT: 2.55 min Scan# 243
Delta R.T. 0.01 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion: 94 Resp: 3046
Ion Ratio Lower Upper
94 100
96 94.2 74.0 111.0

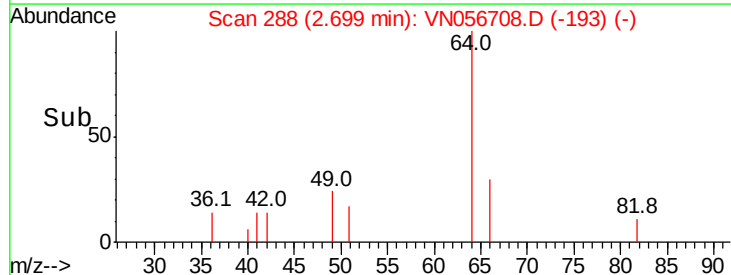
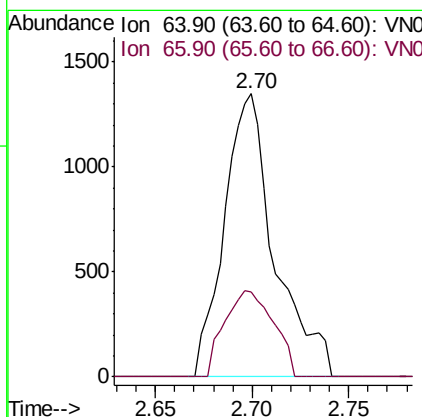
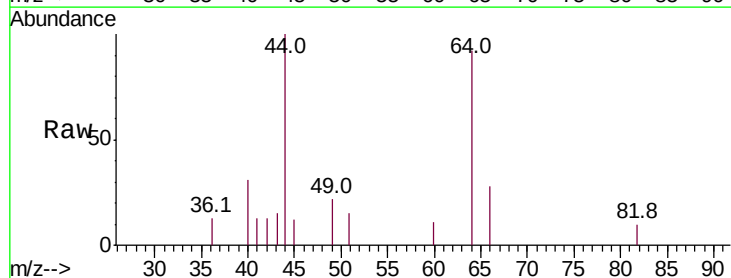
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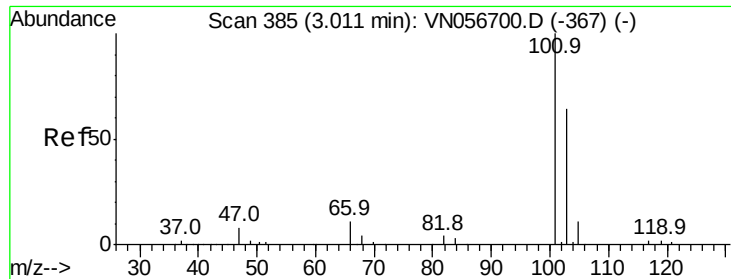
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#6
Chloroethane
Concen: 1.076 ug/l
RT: 2.70 min Scan# 288
Delta R.T. 0.01 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion: 64 Resp: 2435
Ion Ratio Lower Upper
64 100
66 30.1 25.8 38.8





#7

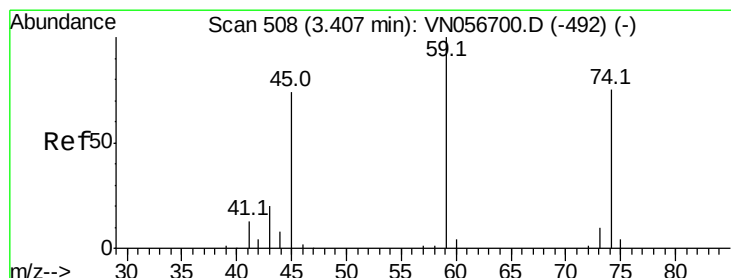
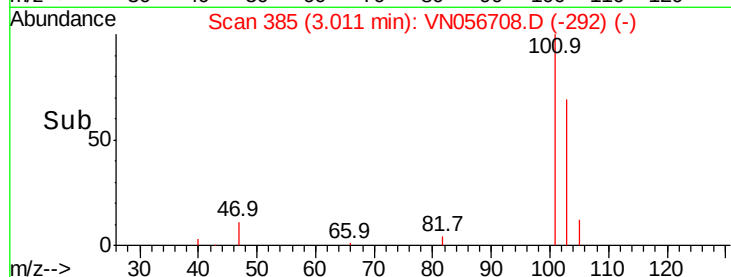
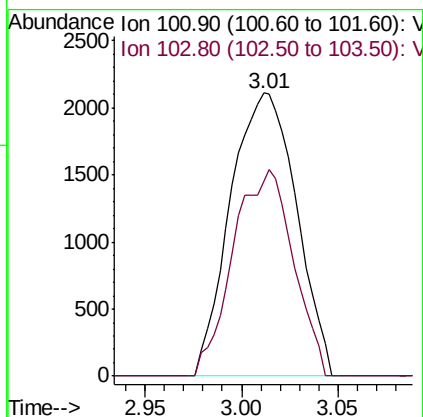
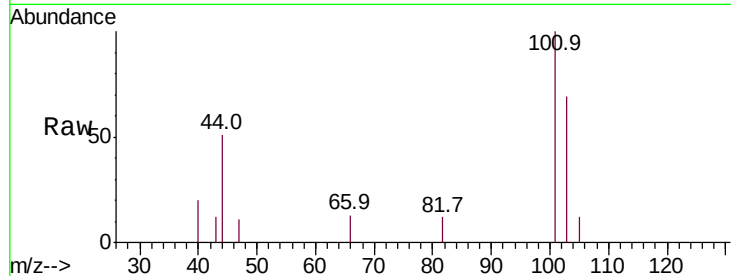
Trichlorofluoromethane
 Concen: 1.005 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Instrument :
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 LOQ-WATER-02-QT3-2019

Tot Ion:101 Resp: 5007
 Ion Ratio Lower Upper
 101 100
 103 69.0 51.5 77.3

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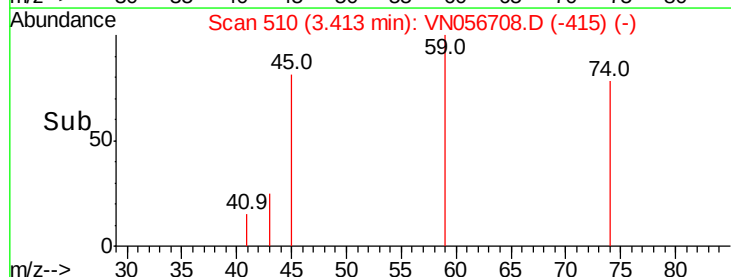
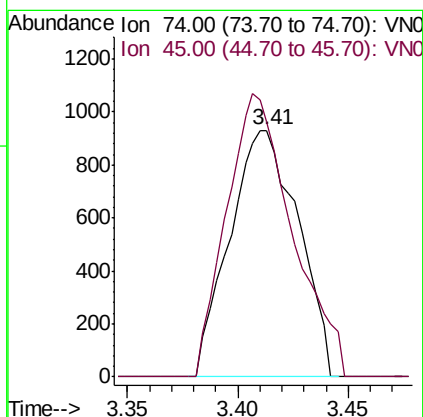
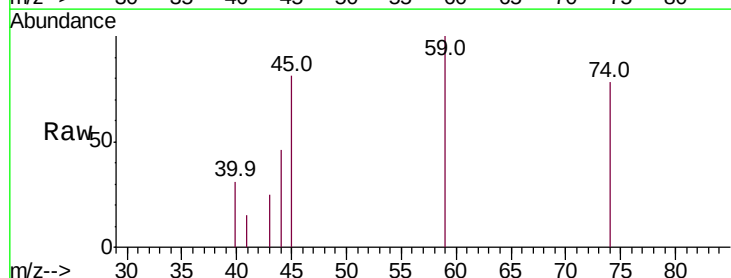
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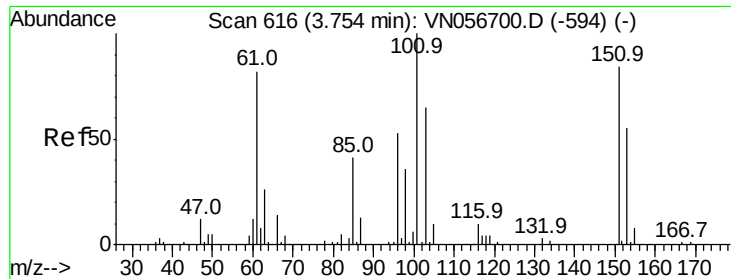


#8

Diethyl Ether
 Concen: 1.029 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Tgt Ion: 74 Resp: 1999
 Ion Ratio Lower Upper
 74 100
 45 110.8 49.4 148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.020 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

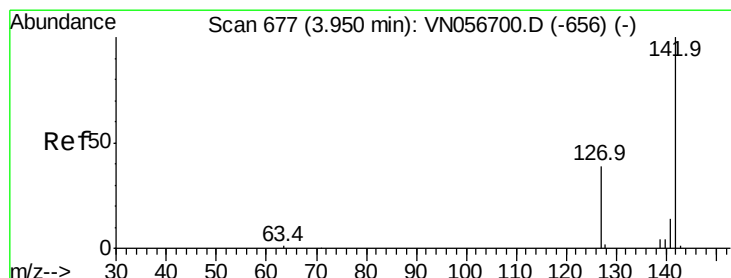
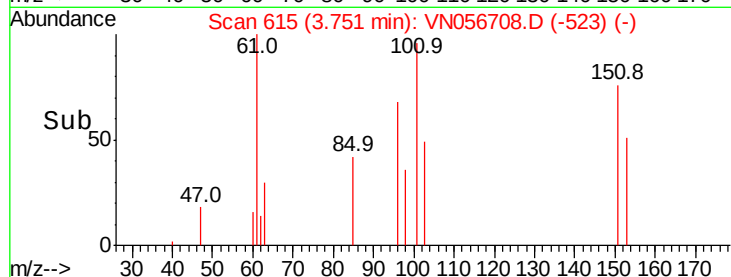
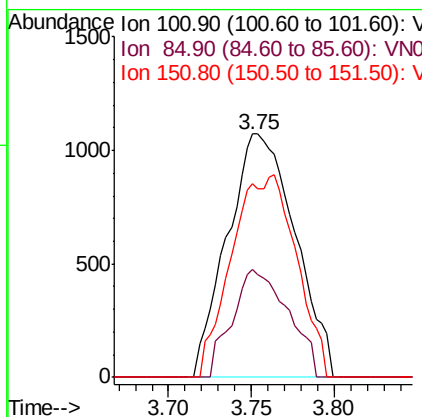
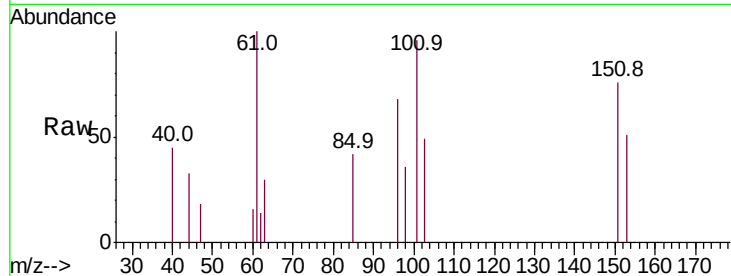
ClientSampleId :

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Tot Ion:	101	Resp:	3052
Ion Ratio	Lower	Upper	
101	100		
85	36.6	33.3	49.9
151	36.5	67.0	100.6#

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#10

Methyl Iodide

Concen: 0.785 ug/l

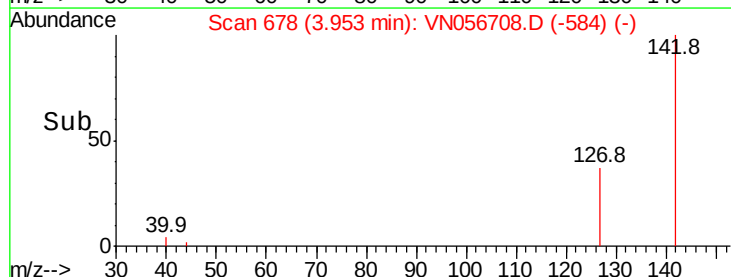
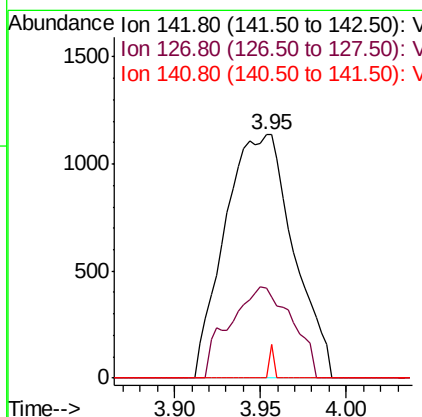
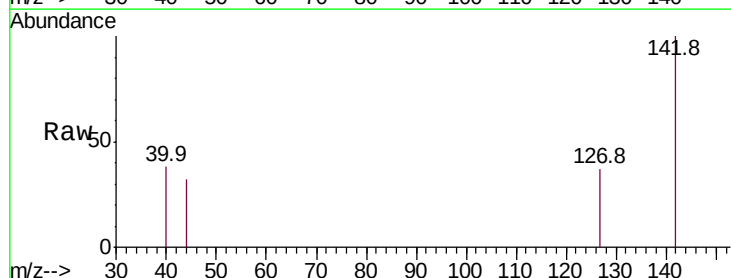
RT: 3.95 min Scan# 678

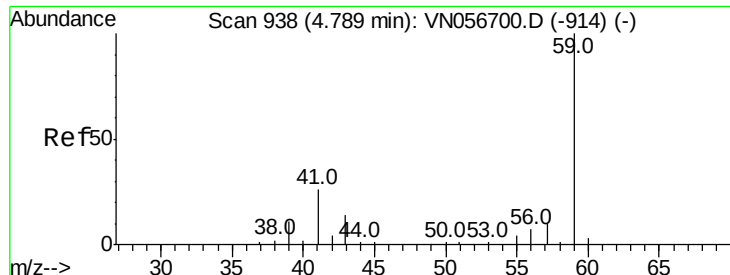
Delta R.T. 0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Tgt Ion:	142	Resp:	3142
Ion Ratio	Lower	Upper	
142	100		
127	34.1	30.7	46.1
141	1.0	11.3	16.9#





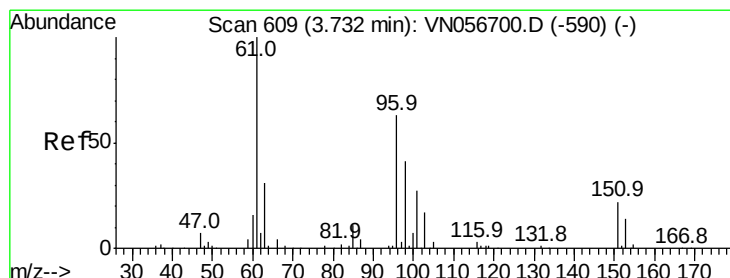
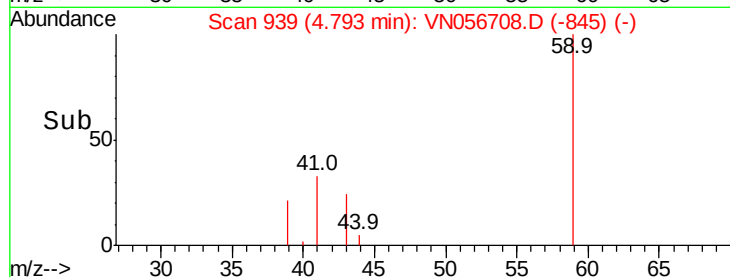
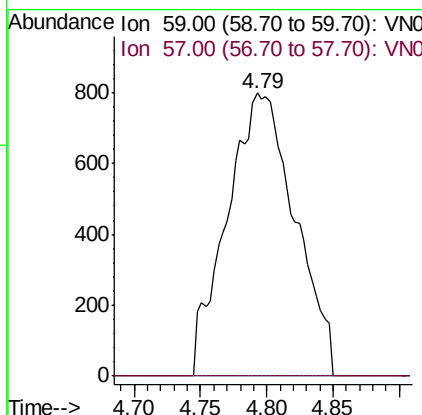
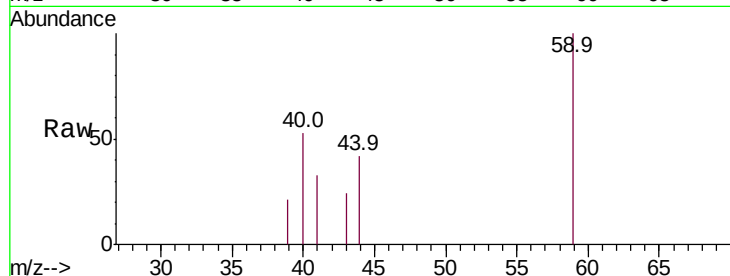
#11
Tert butyl alcohol
Concen: 4.861 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion: 59 Resp: 2858
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

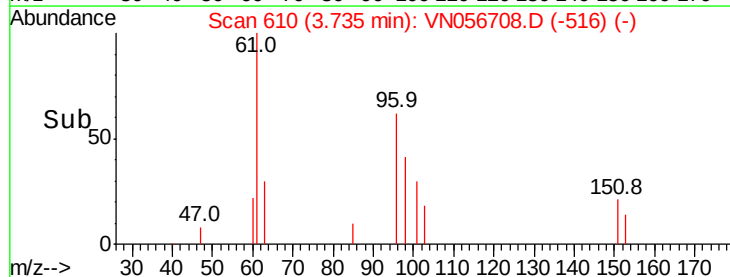
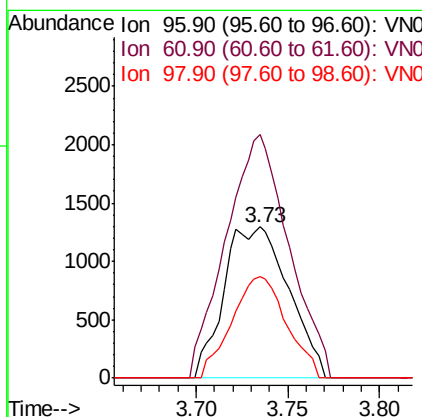
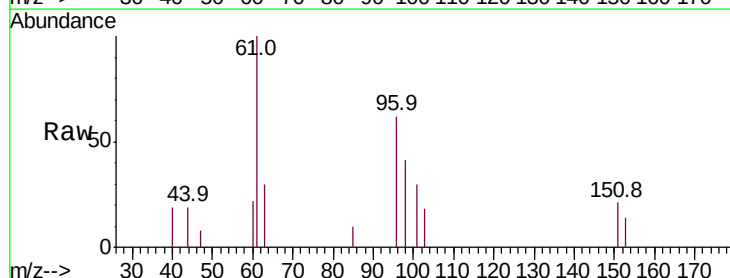
Manual Integrations
APPROVED

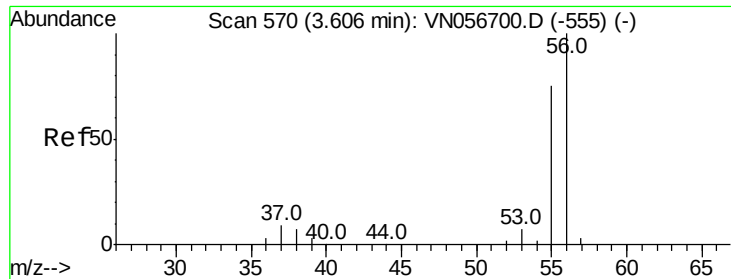
MMDadoda
7/17/2019 1:31:34 AM



#12
1,1-Dichloroethene
Concen: 1.058 ug/l m
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion: 96 Resp: 3177
Ion Ratio Lower Upper
96 100
61 161.0 126.6 189.8
98 66.7 51.4 77.2





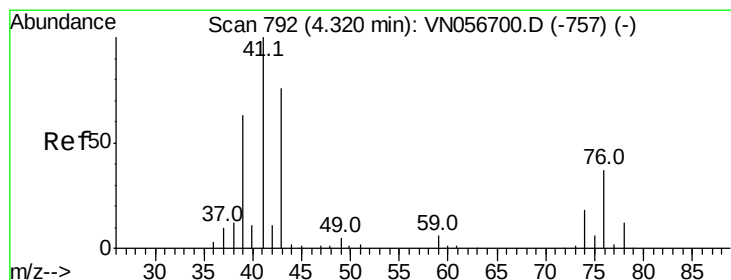
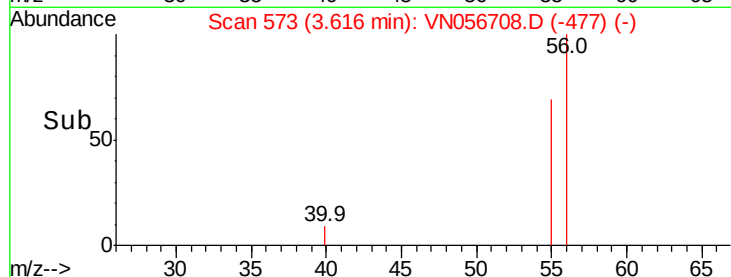
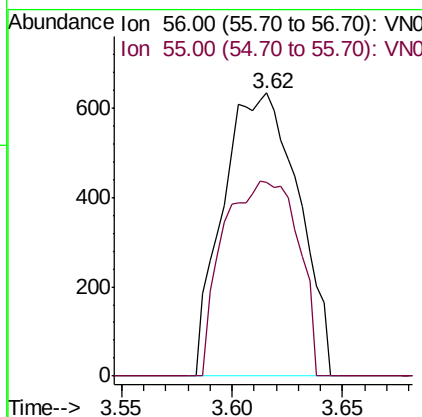
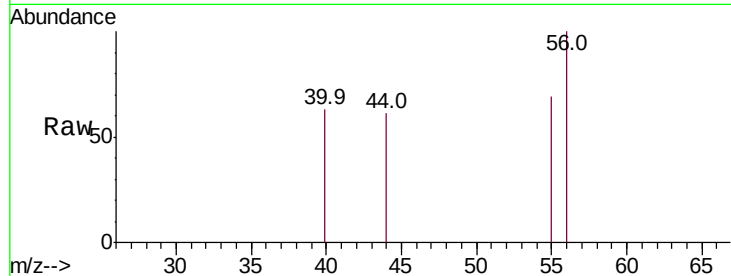
#13
Acrolein
Concen: 7.034 ug/l
RT: 3.62 min Scan# 573
Delta R.T. 0.01 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion: 56 Resp: 1501
Ion Ratio Lower Upper
56 100
55 68.0 58.0 87.0

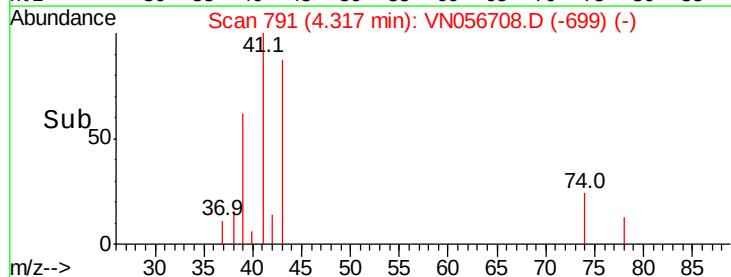
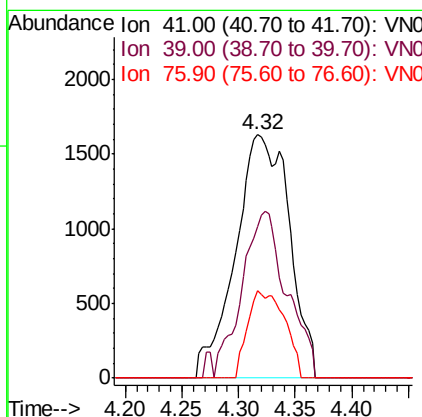
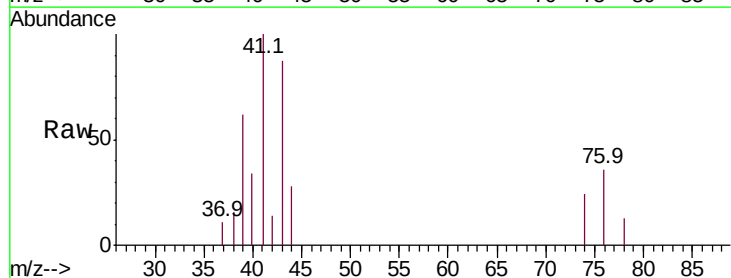
Manual Integrations
APPROVED

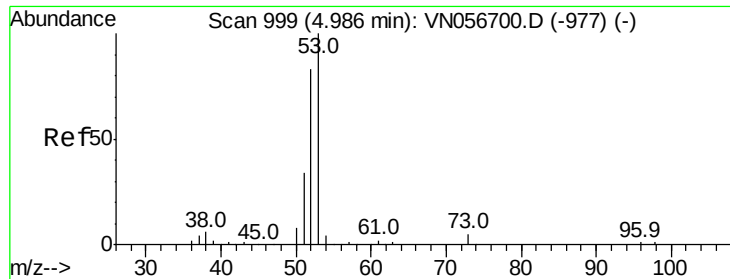
MMDadoda
7/17/2019 1:31:34 AM



#14
Allyl chloride
Concen: 1.036 ug/l m
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion: 41 Resp: 5379
Ion Ratio Lower Upper
41 100
39 57.4 46.9 70.3
76 24.6 26.5 39.7#





#15

Acrylonitrile

Concen: 4.820 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

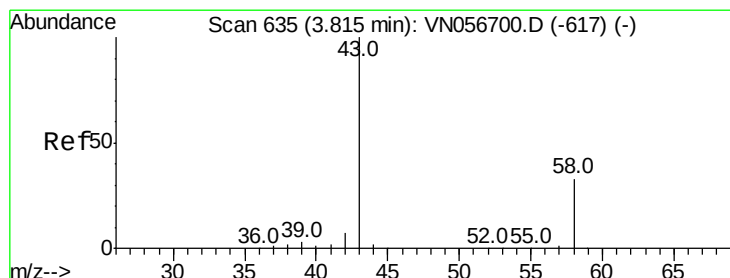
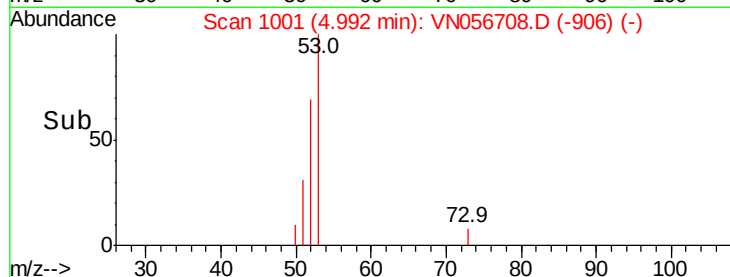
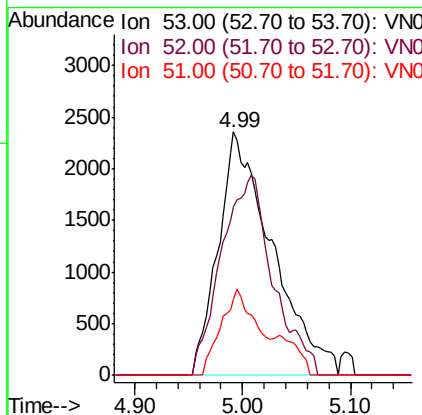
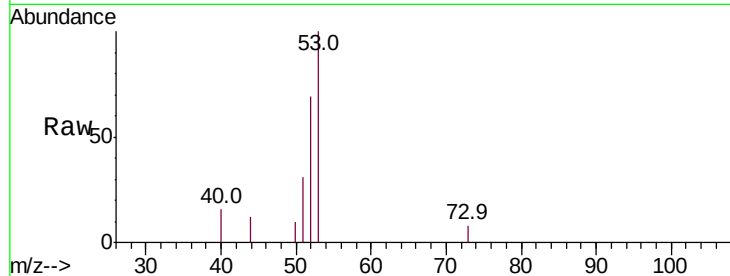
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	53	Resp:	8184
Ion	Ratio	Lower	Upper
53	100		
52	78.3	66.6	99.8
51	23.5	28.4	42.6#

Manual Integrations
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MMDadoda
7/17/2019 1:31:34 AM



#16

Acetone

Concen: 4.805 ug/l

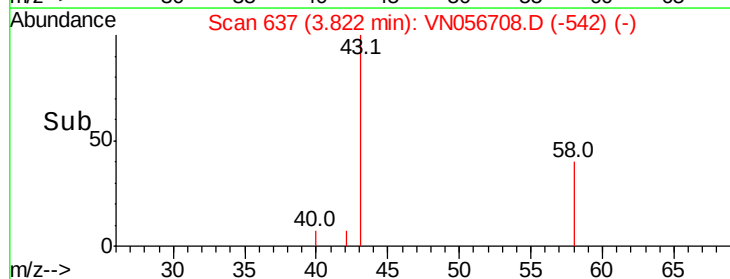
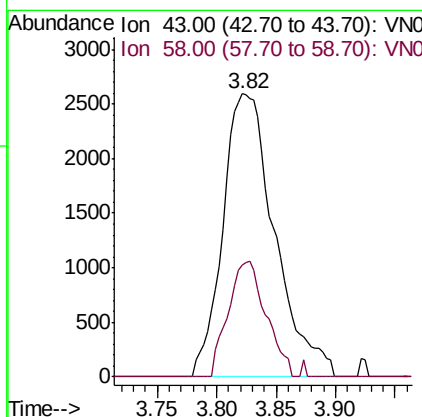
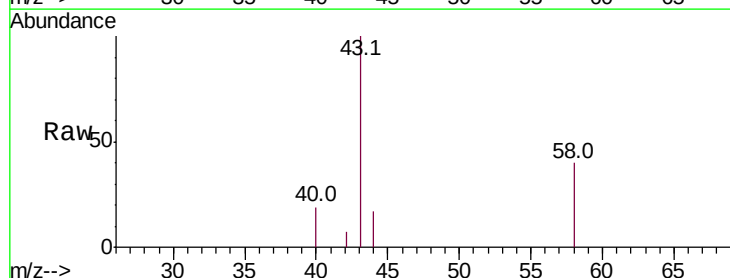
RT: 3.82 min Scan# 637

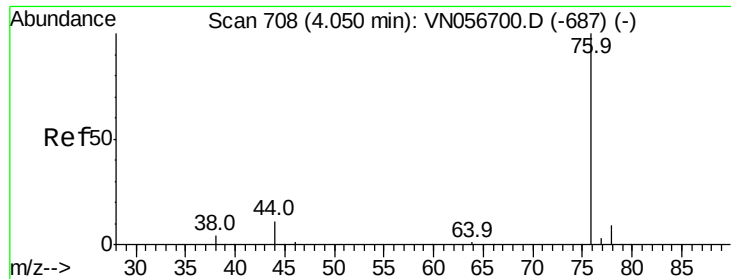
Delta R.T. 0.01 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Tgt Ion:	43	Resp:	7822
Ion	Ratio	Lower	Upper
43	100		
58	39.6	26.7	40.1





#17

Carbon Disulfide

Concen: 1.025 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 76 Resp: 8128

Ion Ratio Lower Upper

76 100

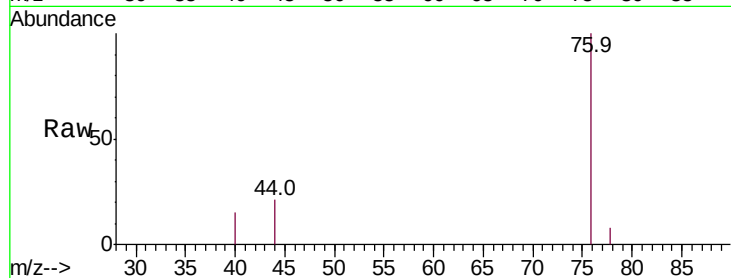
78 8.0 7.4 11.0

Manual Integrations

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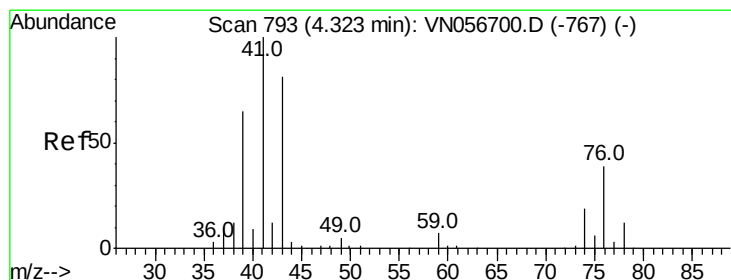
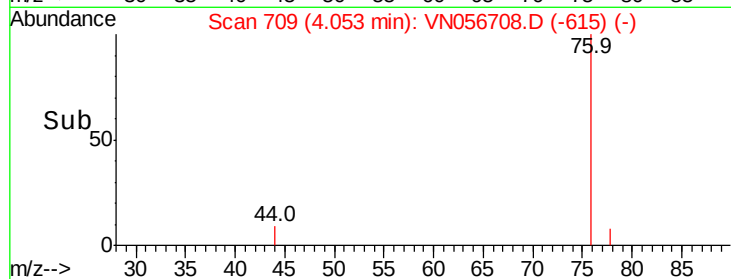
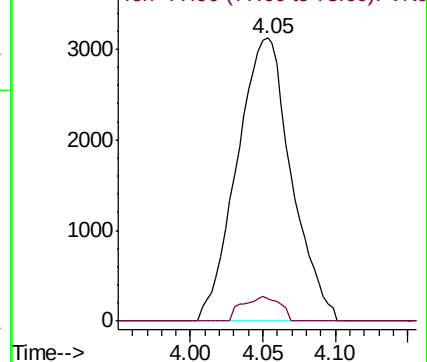
MMDadoda

7/17/2019 1:31:34 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 1.599 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN056708.D

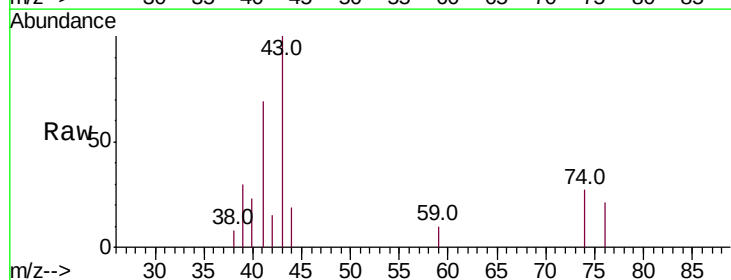
Acq: 15 Jul 2019 13:43

Tgt Ion: 43 Resp: 6981

Ion Ratio Lower Upper

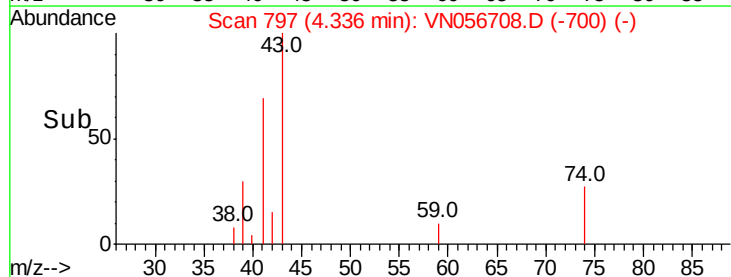
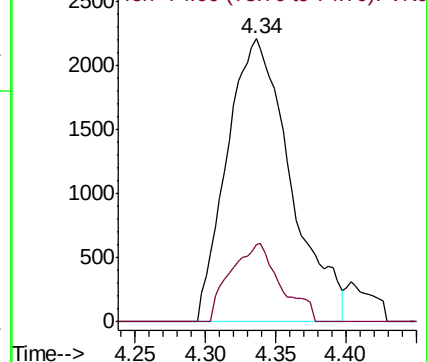
43 100

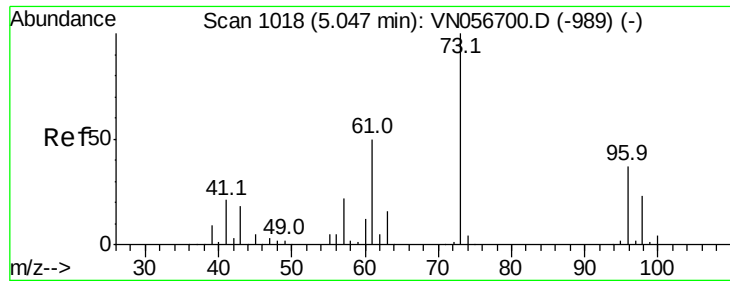
74 21.8 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

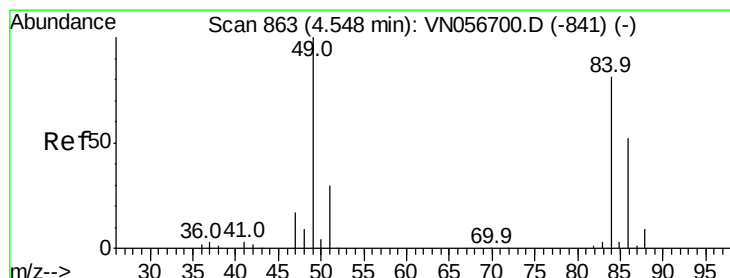
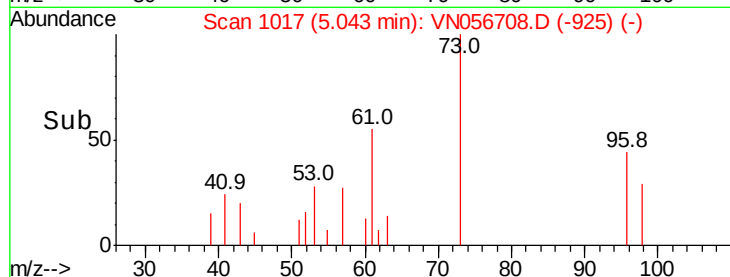
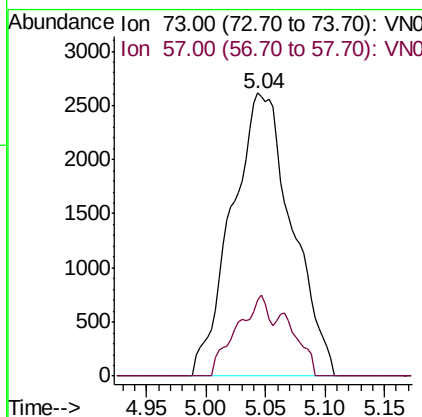
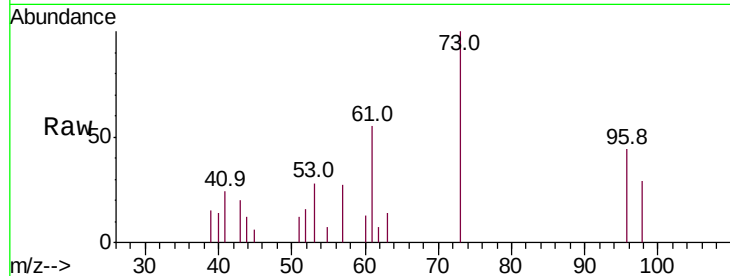
Methyl tert-butyl Ether
 Concen: 0.957 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion: 73 Resp: 9152
 Ion Ratio Lower Upper
 73 100
 57 27.0 17.9 26.9#

Manual Integrations
 APPROVED

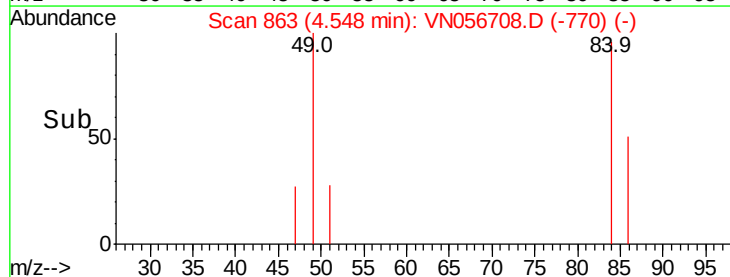
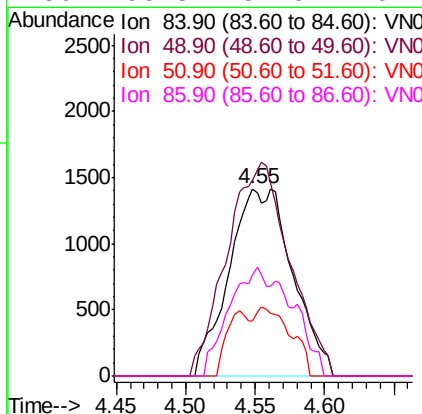
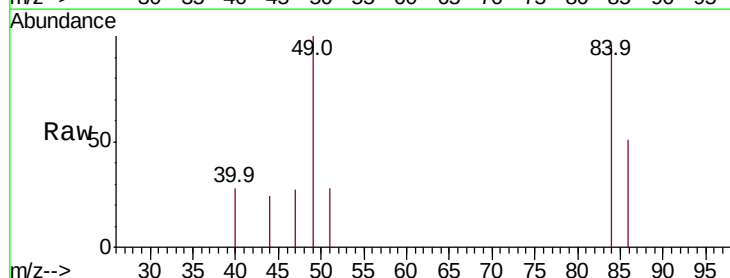
MMDadoda
 7/17/2019 1:31:34 AM

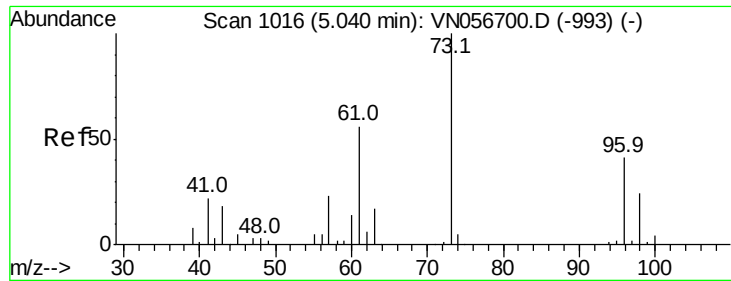


#20

Methylene Chloride
 Concen: 1.268 ug/l m
 RT: 4.55 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Tgt Ion: 84 Resp: 4509
 Ion Ratio Lower Upper
 84 100
 49 104.6 98.2 147.4
 51 29.6 29.6 44.4
 86 53.8 51.0 76.4





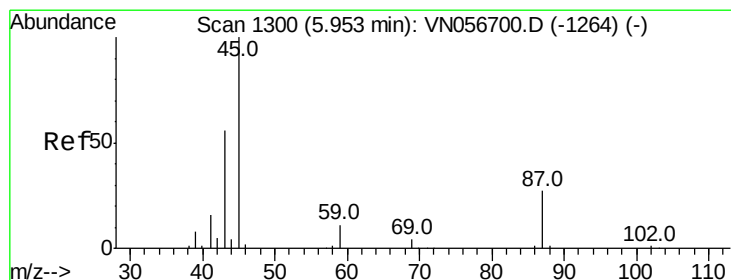
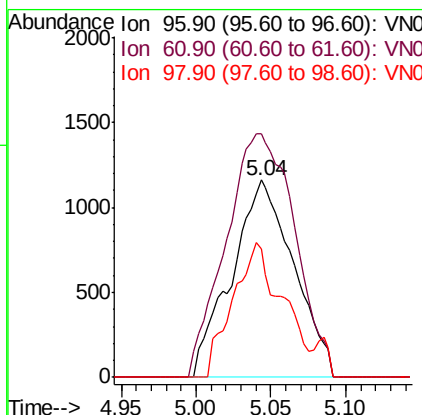
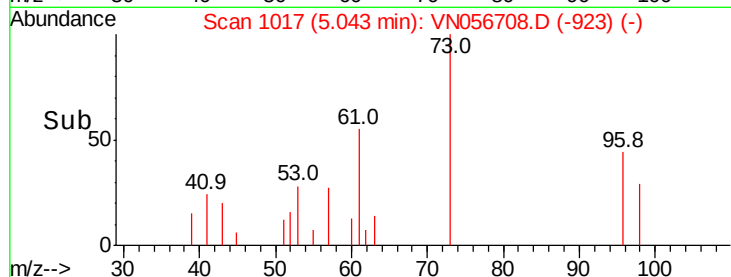
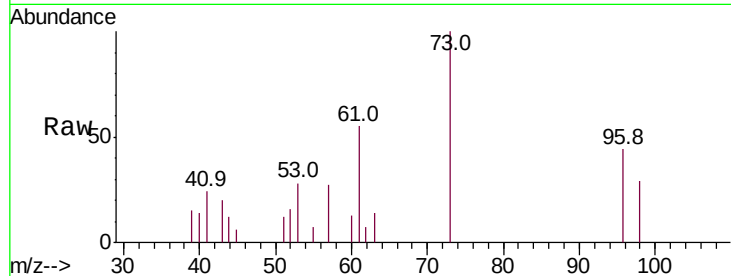
#21
trans-1,2-Dichloroethene
Concen: 1.060 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.5	109.4	164.2
98	65.3	48.0	72.0

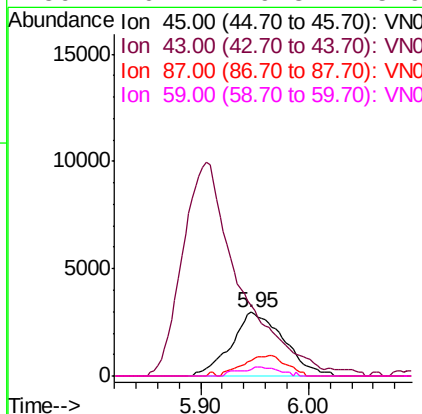
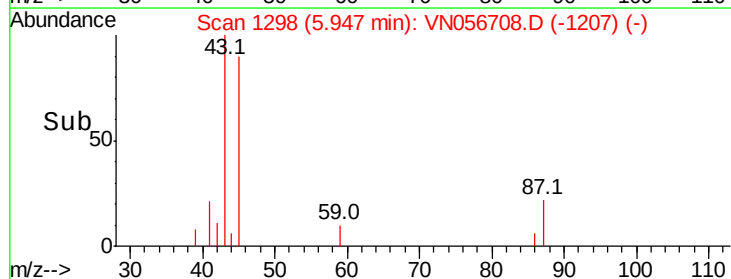
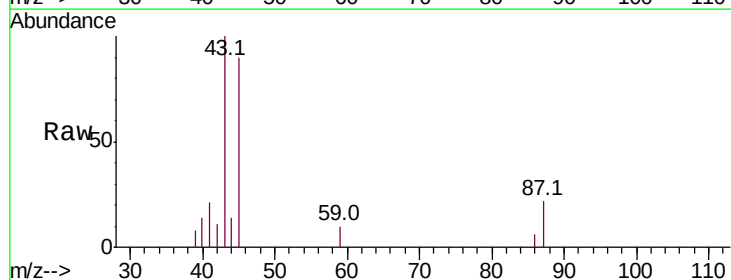
Manual Integrations
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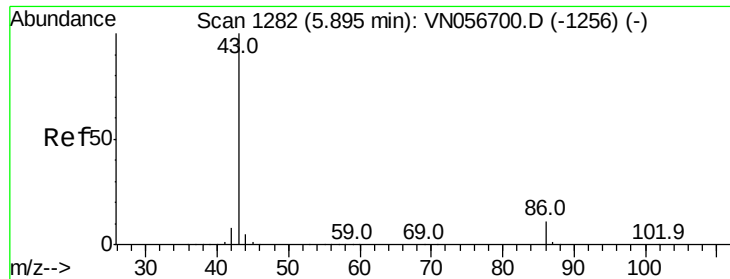
MMDadoda
7/17/2019 1:31:34 AM



#22
Diisopropyl ether
Concen: 0.982 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. -0.01 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	101.0	45.6	68.4#
87	24.0	22.0	33.0
59	10.7	9.3	13.9





#23

Vinyl Acetate

Concen: 4.378 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 36359

Ion Ratio Lower Upper

43 100

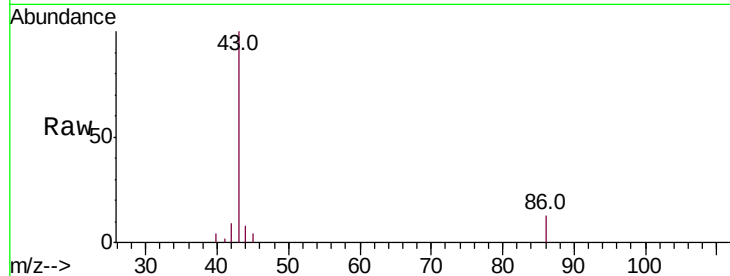
86 12.6 8.5 12.7

Manual Integrations

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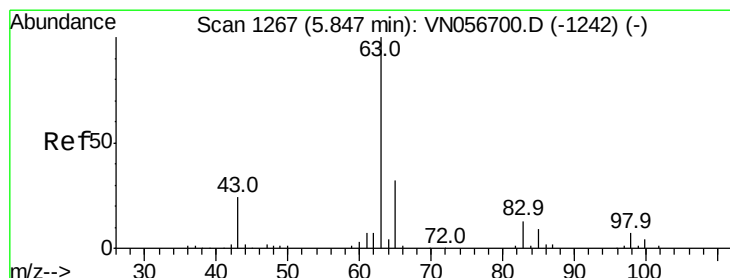
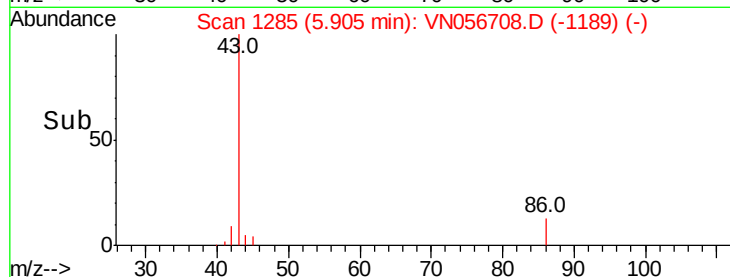
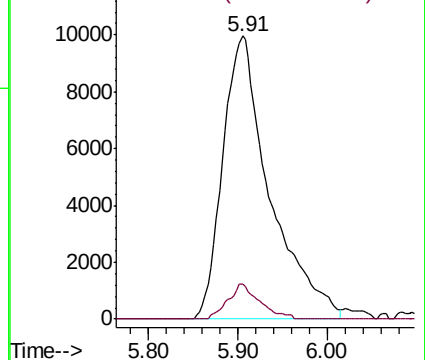
MMDadoda

7/17/2019 1:31:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 1.000 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

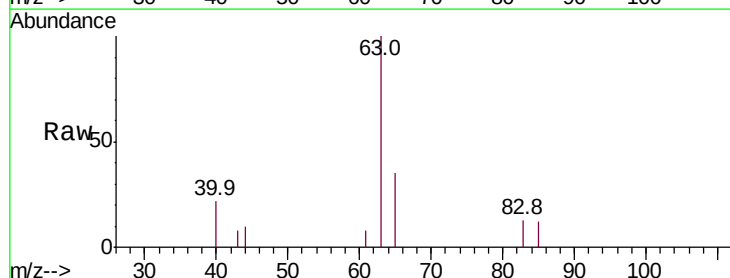
Tgt Ion: 63 Resp: 5940

Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.9#

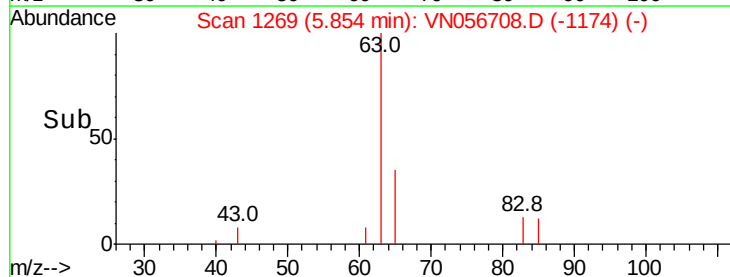
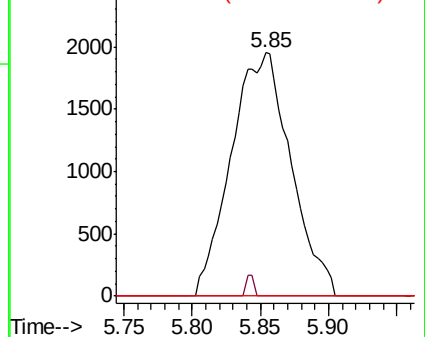
100 0.0 2.0 5.8#

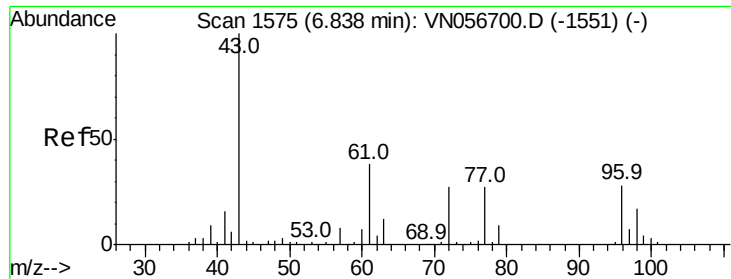


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





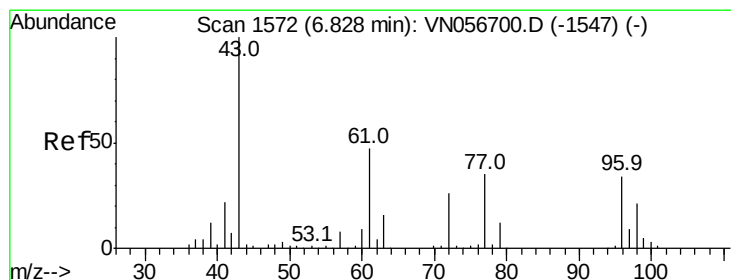
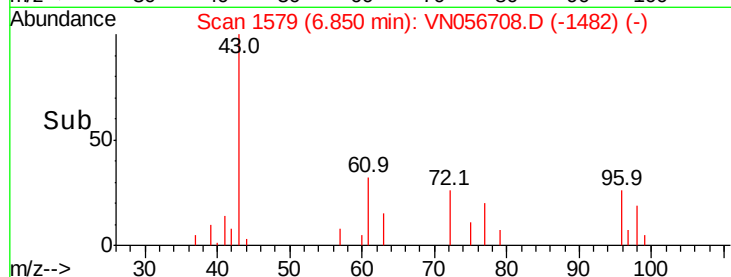
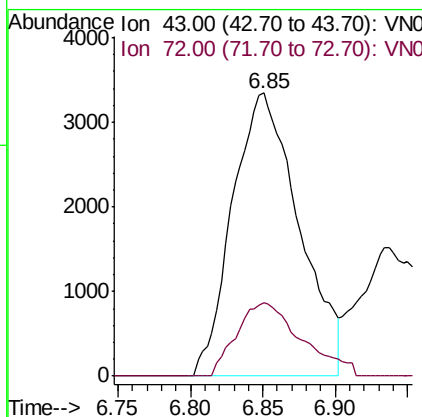
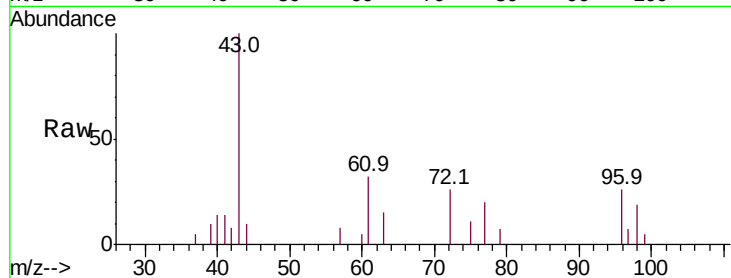
#25
2-Butanone
Concen: 4.494 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 10696
Ion Ratio Lower Upper
43 100
72 26.2 21.2 31.8

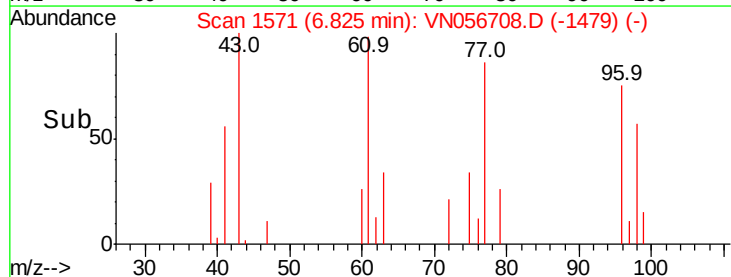
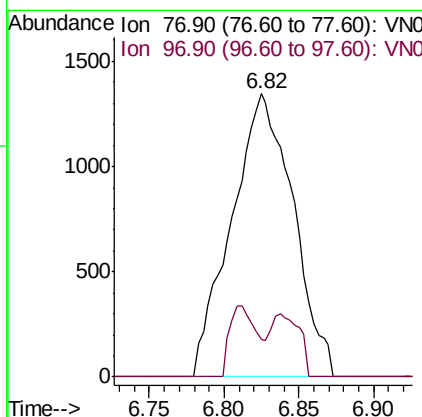
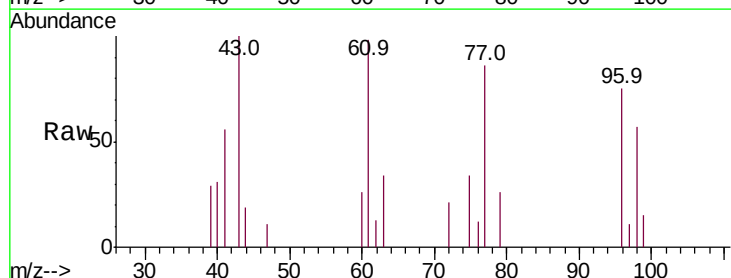
Manual Integrations
APPROVED

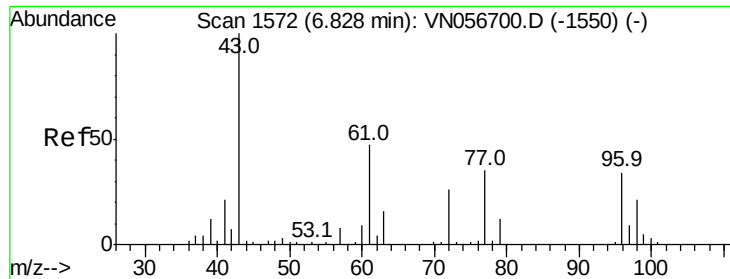
MMDadoda
7/17/2019 1:31:34 AM



#26
2,2-Dichloropropane
Concen: 0.900 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion: 77 Resp: 3856
Ion Ratio Lower Upper
77 100
97 10.2 12.2 36.6#





#27

cis-1,2-Dichloroethene

Concen: 1.012 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

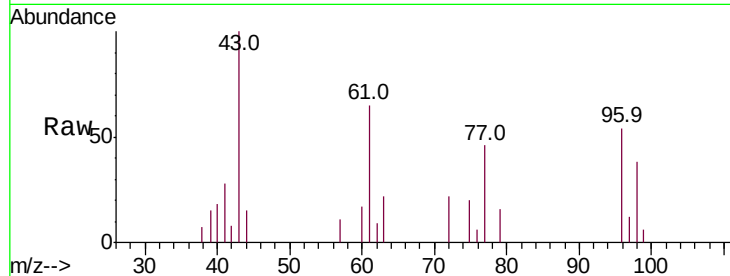
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	96	Resp:	3696
Ion	Ratio	Lower	Upper
96	100		
61	60.4	0.0	281.4
98	67.7	0.0	127.8

Manual Integrations
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7/17/2019 1:31:34 AM



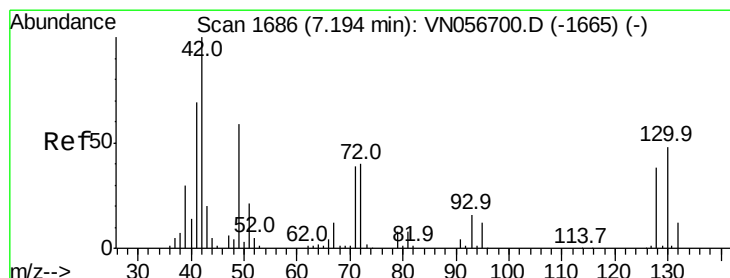
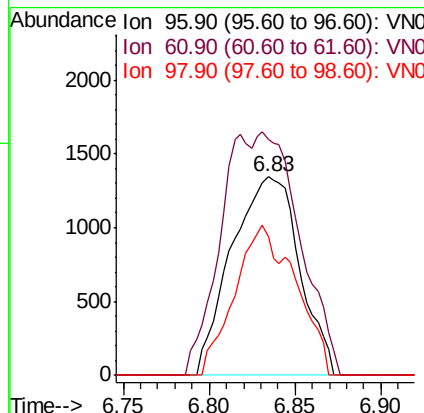
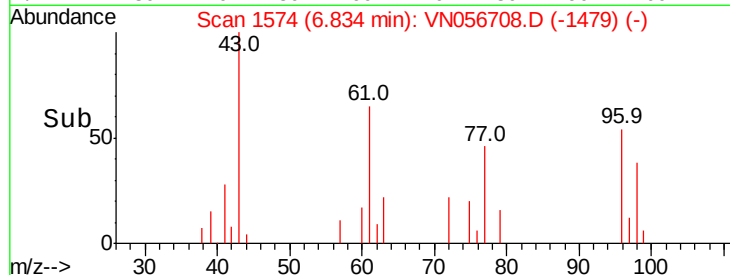
Abundance Ion 95.90 (95.60 to 96.60): VN056708.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN056708.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN056708.D (-1479) (-)

6.83

Time-->



#28

Bromochloromethane

Concen: 1.001 ug/l

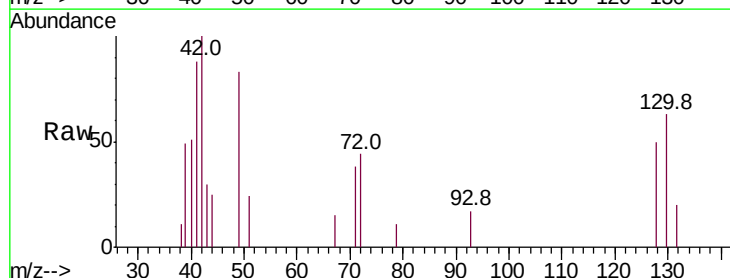
RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Tgt Ion:	49	Resp:	2796
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	82.6	64.7	97.1



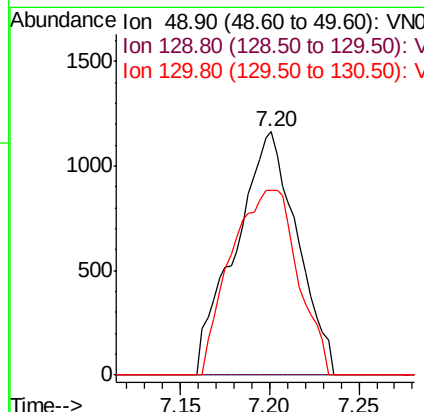
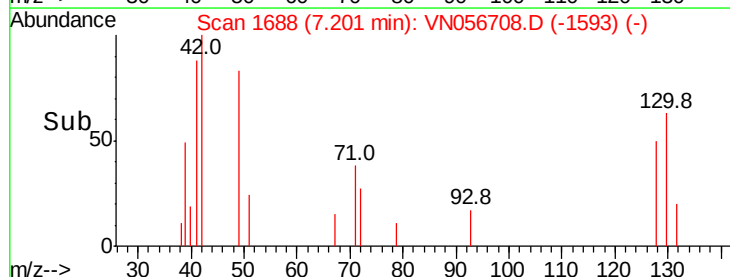
Abundance Ion 48.90 (48.60 to 49.60): VN056708.D (-1593) (-)

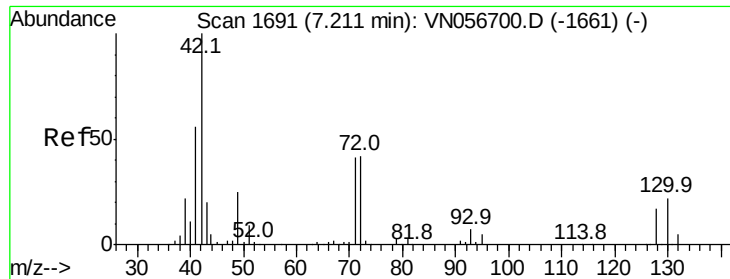
Ion 128.80 (128.50 to 129.50): VN056708.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN056708.D (-1593) (-)

7.20

Time-->





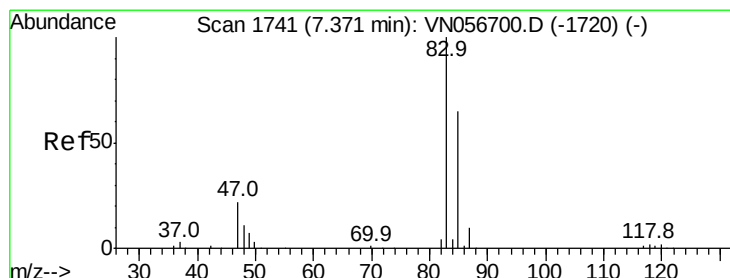
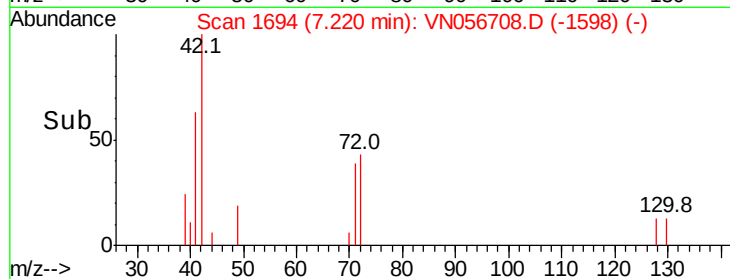
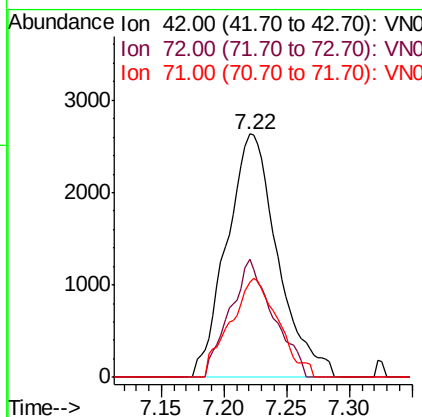
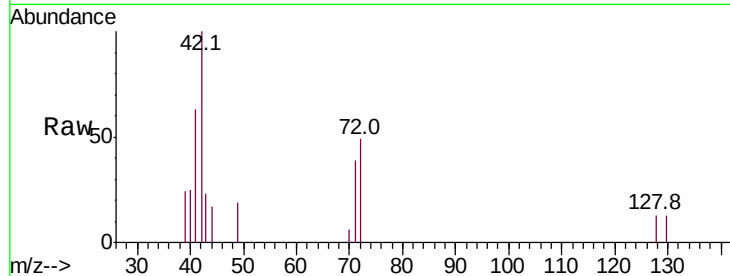
#29
Tetrahydrofuran
Concen: 4.784 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.5	50.3
71	38.2	31.8	47.8

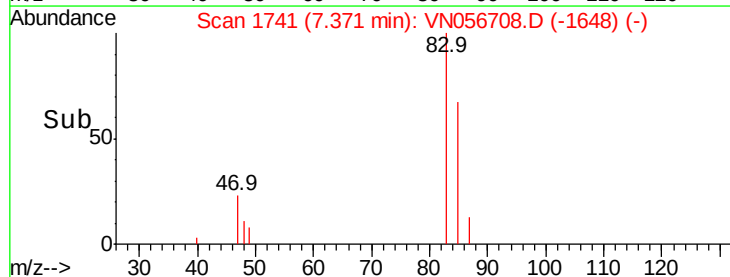
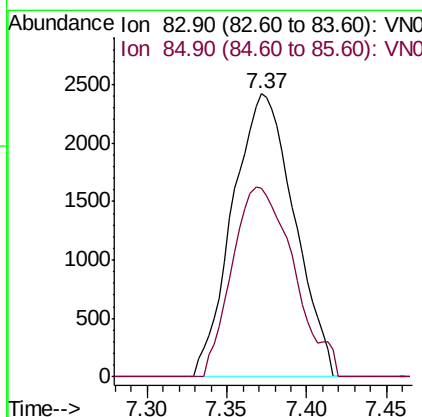
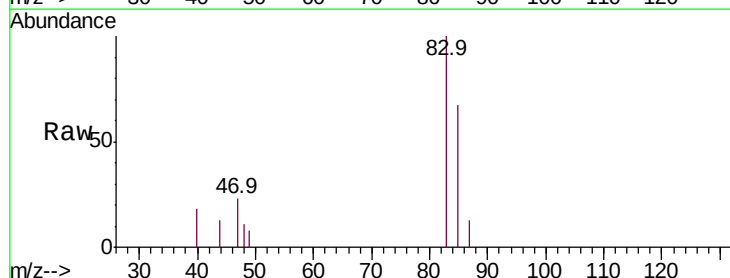
Manual Integrations
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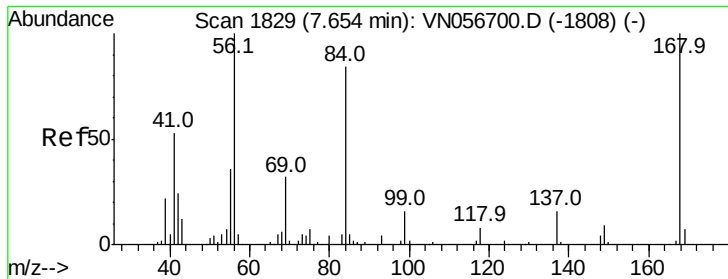
MMDadoda
7/17/2019 1:31:34 AM



#30
Chloroform
Concen: 1.076 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.9	77.9





#31

Cyclohexane

Concen: 1.897 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

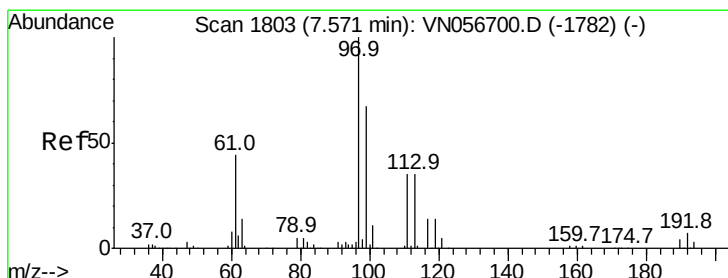
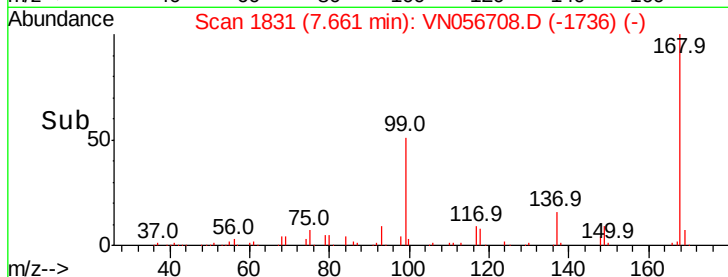
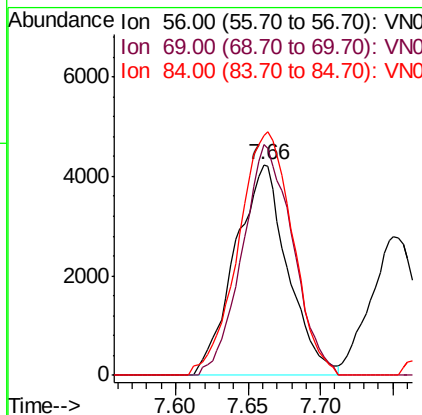
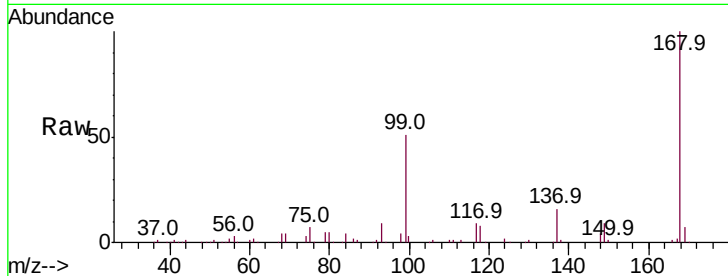
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	56	Resp:	10711
Ion Ratio	Lower	Upper	
56	100		
69	109.5	25.8	38.8#
84	113.8	67.4	101.0#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 0.947 ug/l m

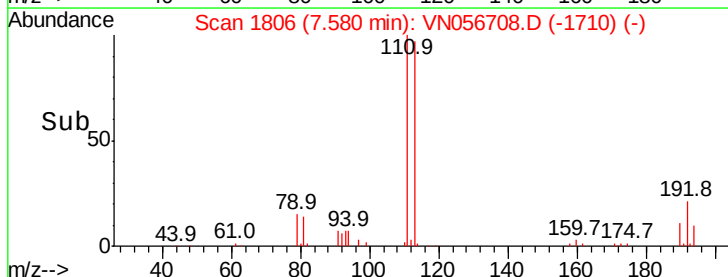
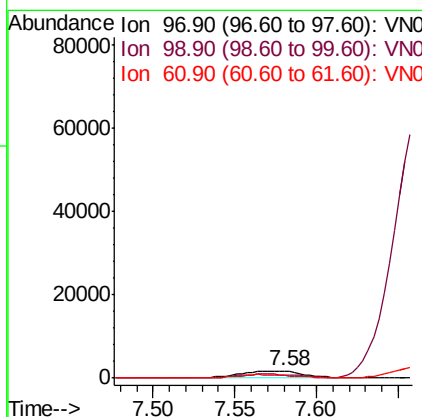
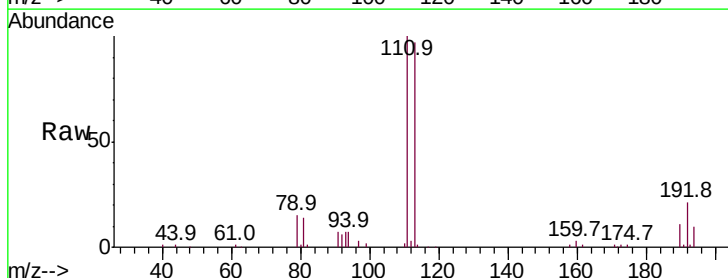
RT: 7.58 min Scan# 1806

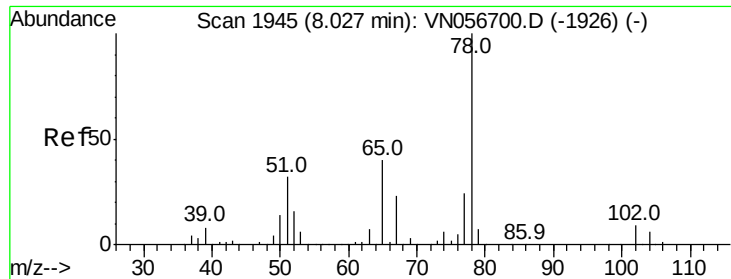
Delta R.T. 0.01 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Tgt Ion:	97	Resp:	4455
Ion Ratio	Lower	Upper	
97	100		
99	0.0	52.0	78.0#
61	43.9	34.3	51.5





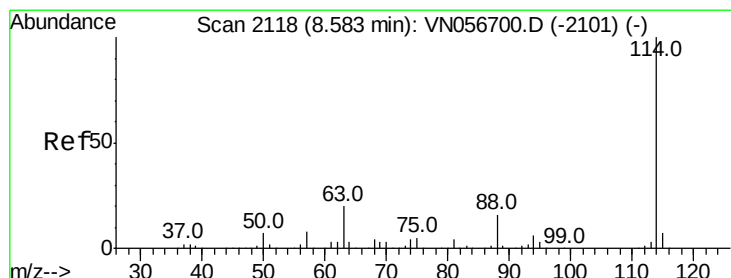
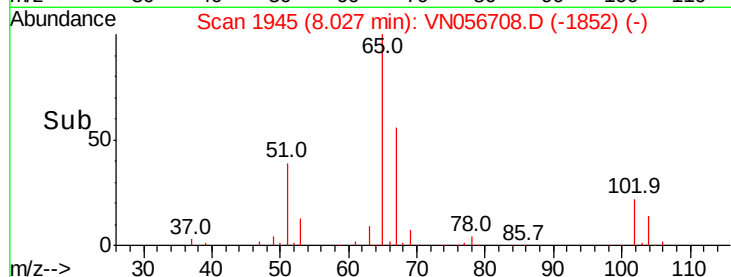
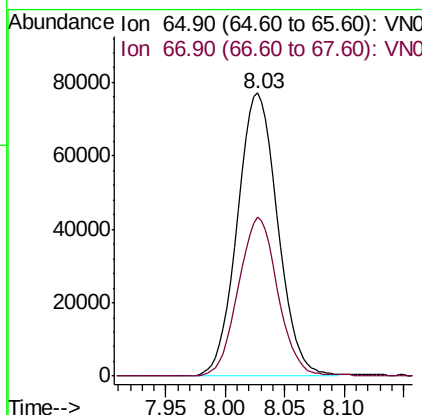
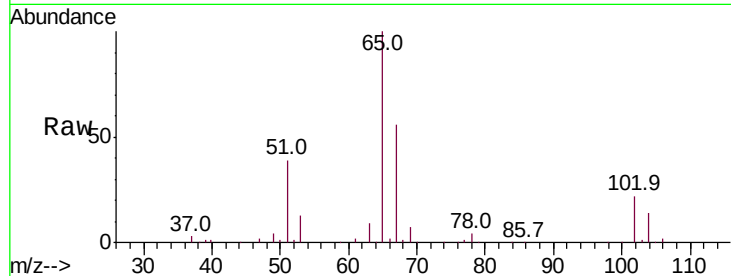
#33
 1,2-Dichloroethane-d4
 Concen: 51.385 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
65	100	181512		
67	54.9	0.0	109.0	

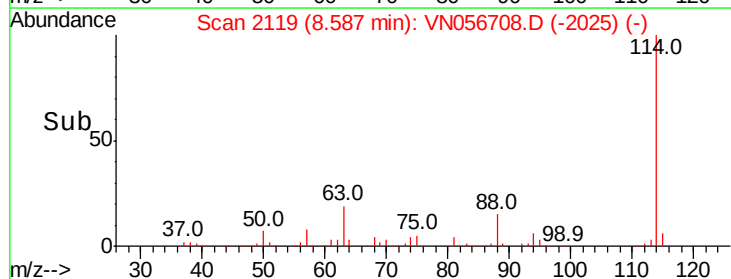
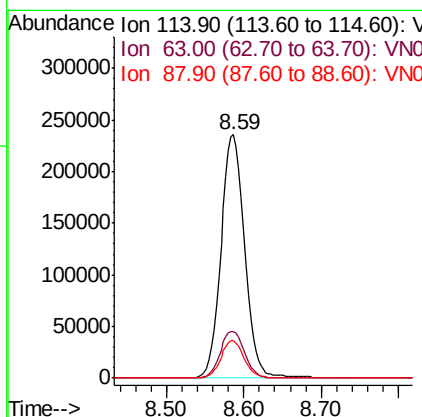
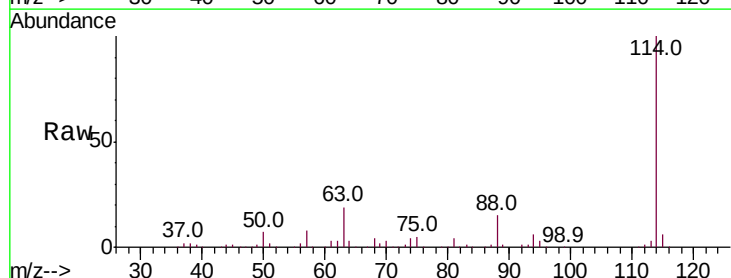
Manual Integrations
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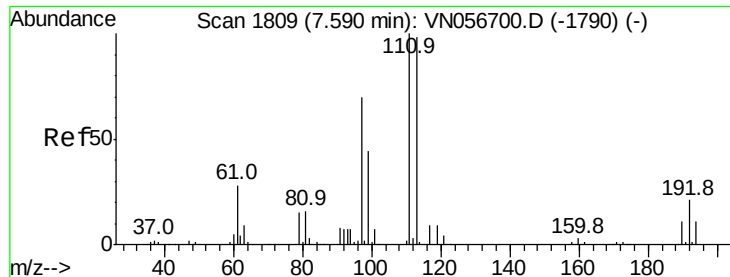
MMDadoda
 7/17/2019 1:31:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	502613		
63	19.3	0.0	39.4	
88	15.3	0.0	31.2	





#35

Dibromofluoromethane

Concen: 49.354 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

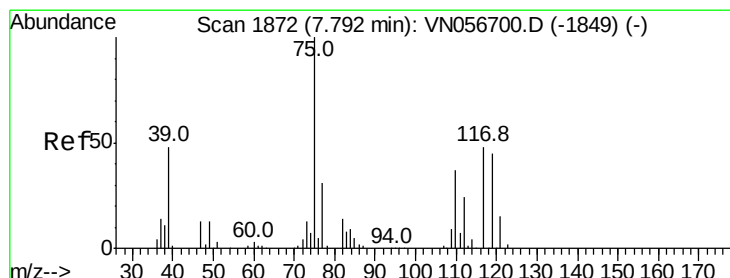
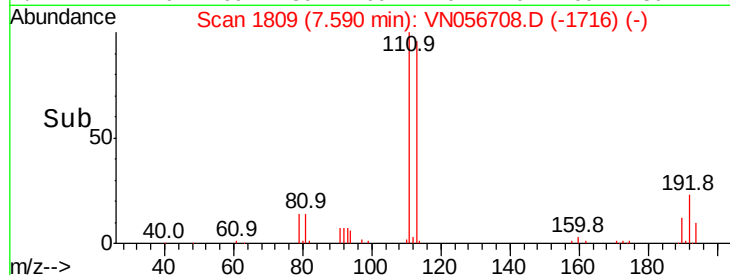
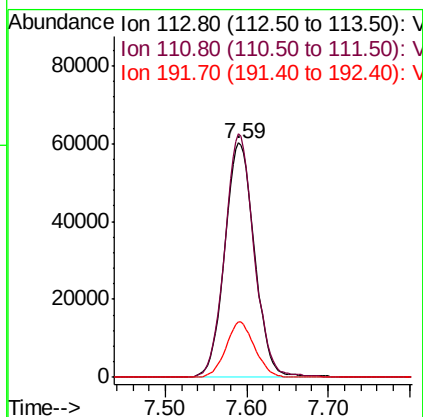
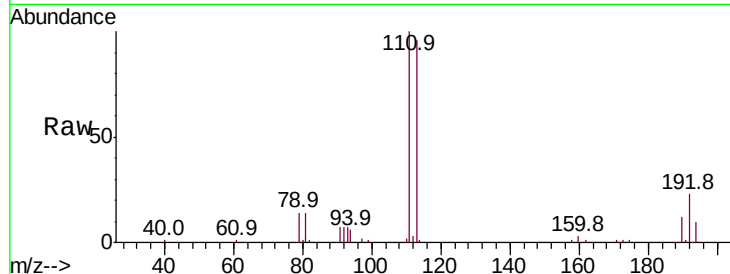
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	113	Resp:	154372
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.8	122.6
192	22.7	17.5	26.3

Manual Integrations
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7/17/2019 1:31:34 AM



#36

1,1-Dichloropropene

Concen: 1.014 ug/l

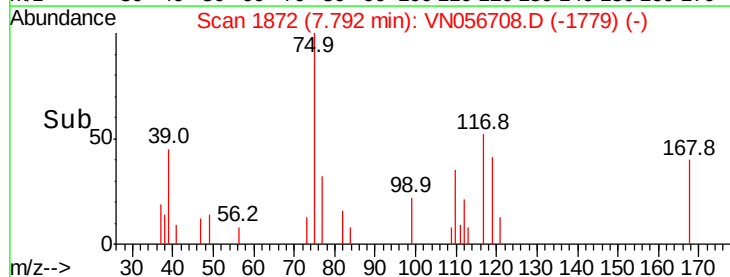
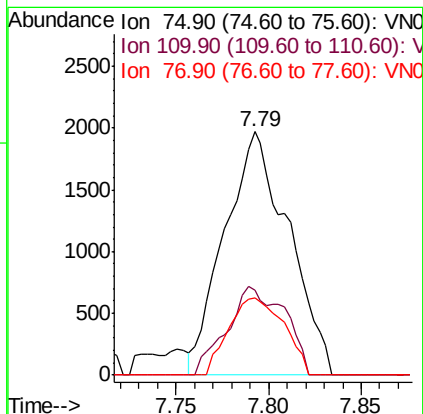
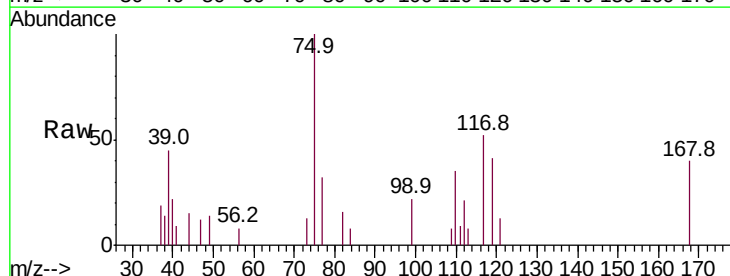
RT: 7.79 min Scan# 1872

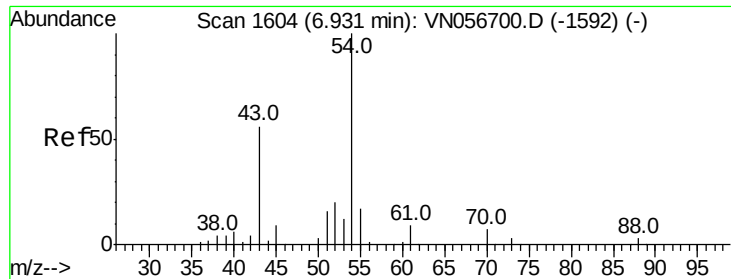
Delta R.T. -0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Tgt Ion:	75	Resp:	4716
Ion Ratio	Lower	Upper	
75	100		
110	32.6	18.4	55.4
77	27.4	24.6	36.8





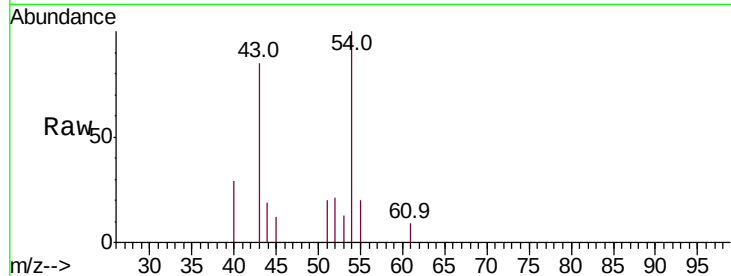
#37
Ethyl Acetate
Concen: 0.849 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
43	100		
61	7.3	11.3	16.9#
70	1.6	8.5	12.7#

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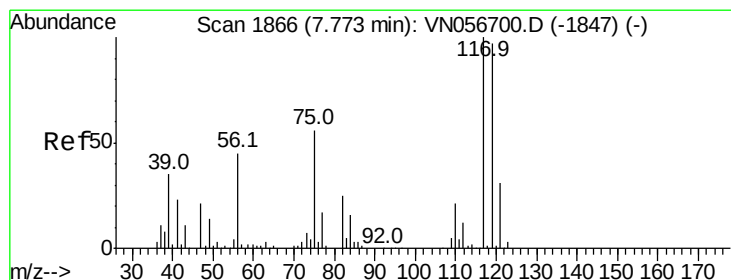
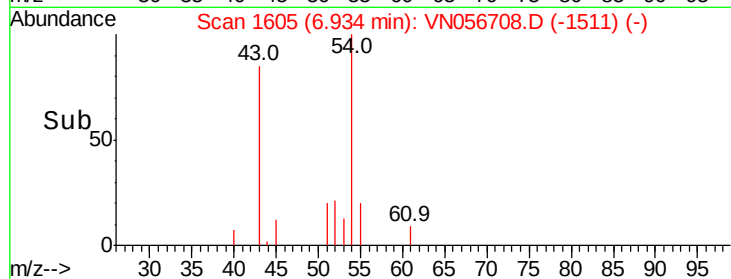
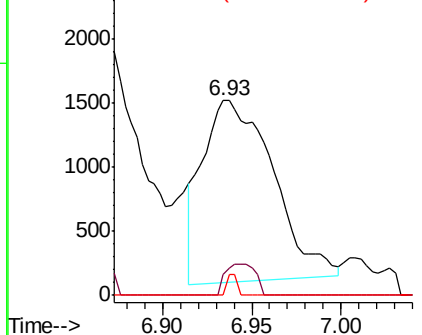


Abundance

Ion 43.00 (42.70 to 43.70): VN056708.D (-1592) (-)

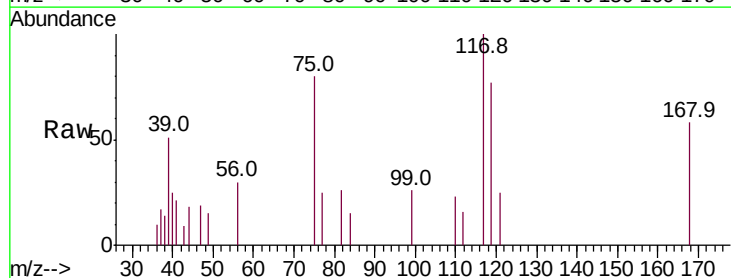
Ion 60.90 (60.60 to 61.60): VN056708.D (-1592) (-)

Ion 70.00 (69.70 to 70.70): VN056708.D (-1592) (-)



#38
Carbon Tetrachloride
Concen: 1.036 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.01 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	77.1	77.5	116.3#
121	25.0	24.7	37.1

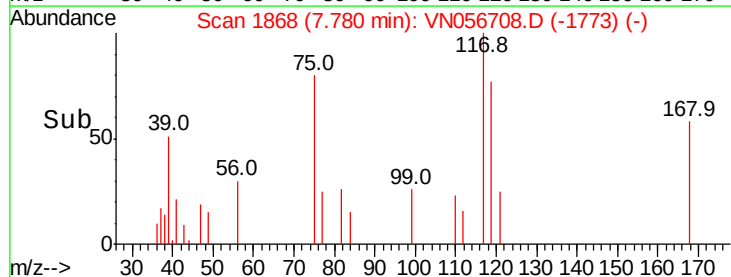
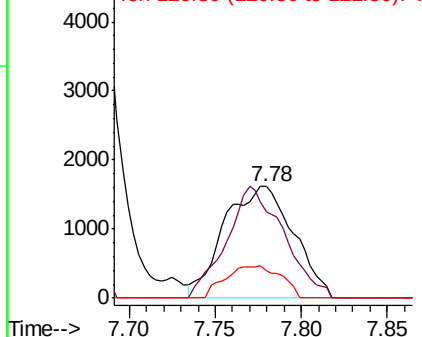


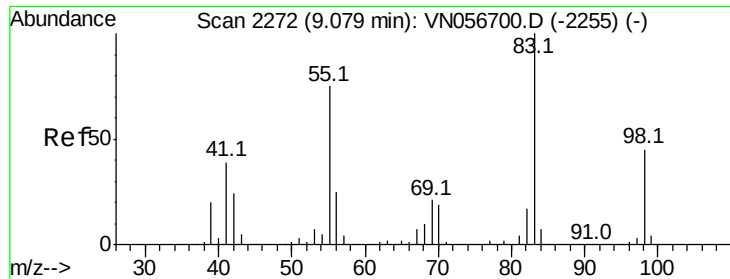
Abundance

Ion 116.80 (116.50 to 117.50): VN056708.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN056708.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN056708.D (-1773) (-)





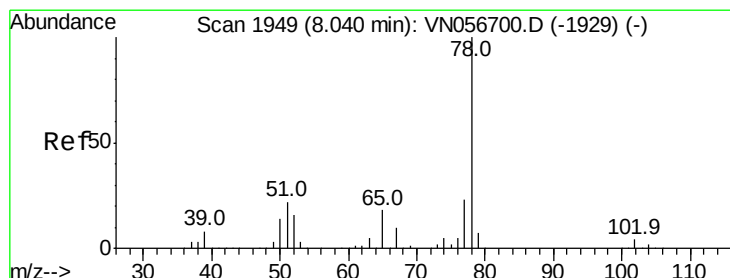
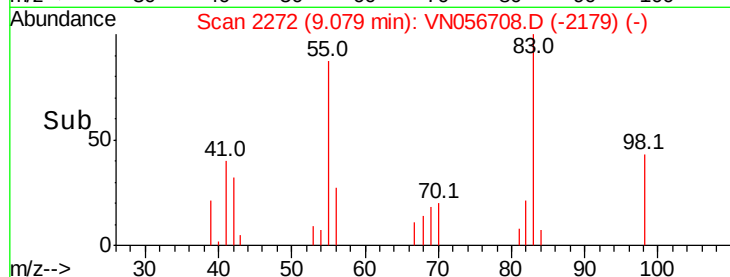
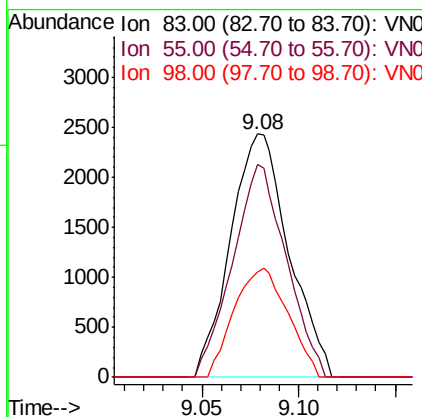
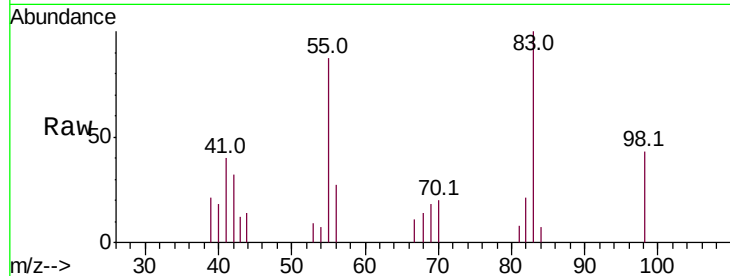
#39
Methylvlcyclohexane
Concen: 0.890 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.5	60.4	90.6
98	43.1	35.8	53.8

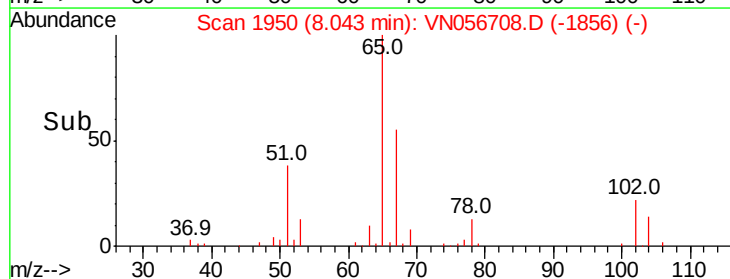
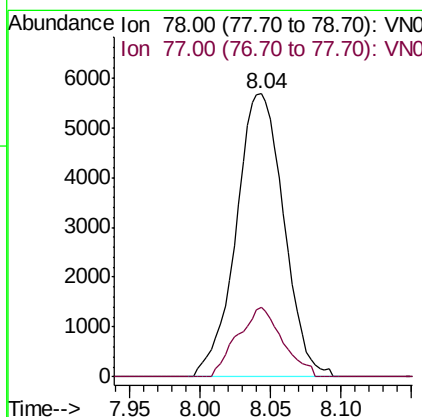
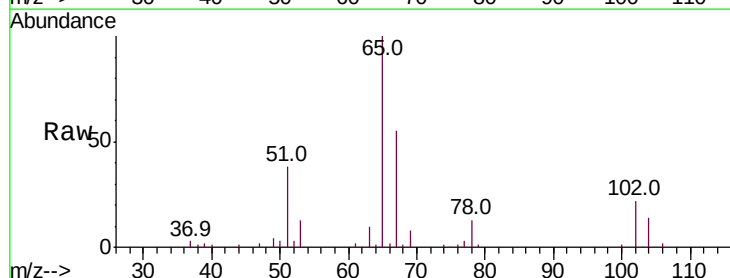
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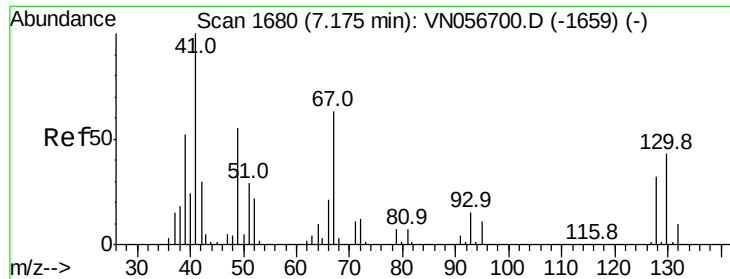
MMDadoda
7/17/2019 1:31:34 AM



#40
Benzene
Concen: 0.942 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.6	27.8





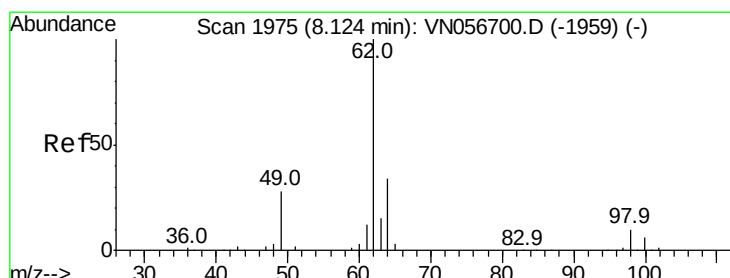
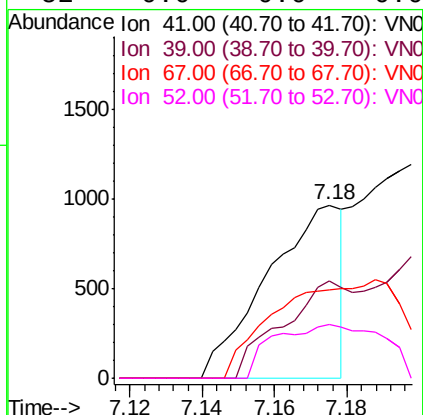
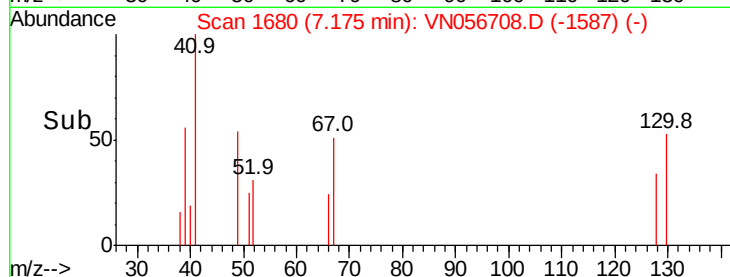
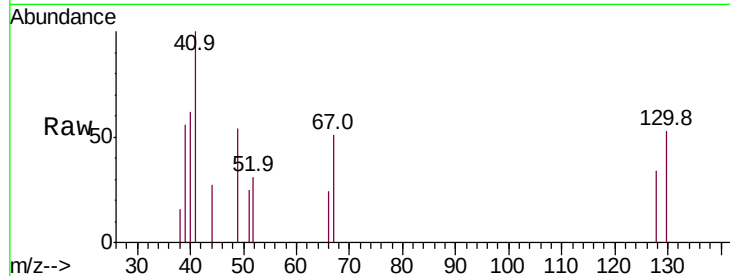
#41
Methacrylonitrile
Concen: 0.692 ug/l m
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	41	Ratio	100	Resp:	1393
Ion	41	Ratio	100	Lower	Upper
	39	0.0	0.0	0.0	0.0
	67	0.0	0.0	0.0	0.0
	52	0.0	0.0	0.0	0.0

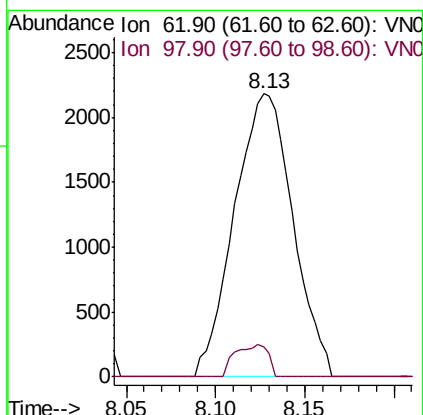
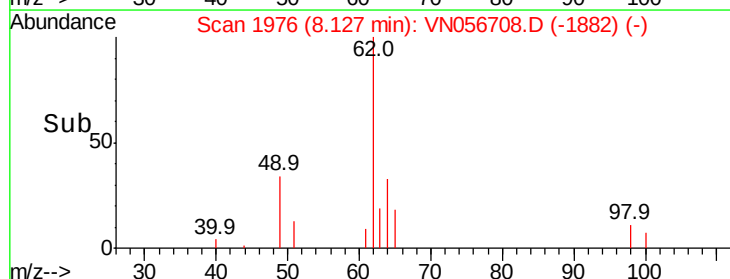
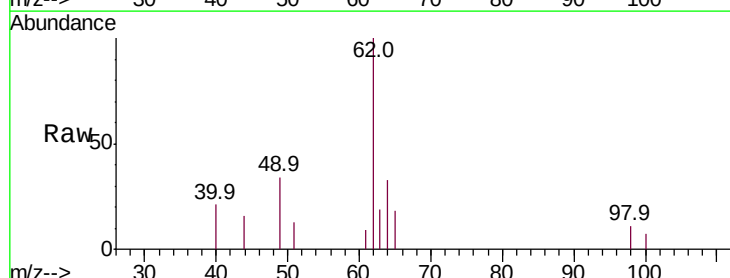
Manual Integrations
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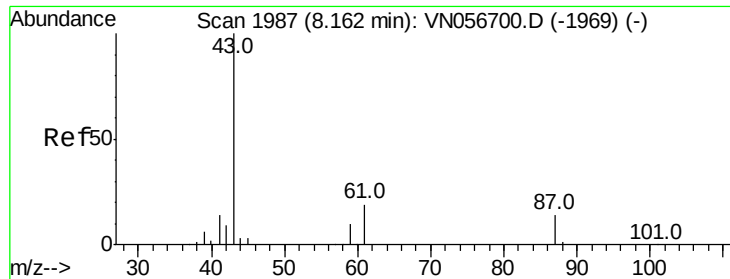
MMDadoda
7/17/2019 1:31:34 AM



#42
1,2-Dichloroethane
Concen: 1.109 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion	62	Ratio	100	Resp:	4994
Ion	62	Ratio	100	Lower	Upper
	98	6.4	0.0	19.8	





#43

Isopropyl Acetate

Concen: 0.960 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

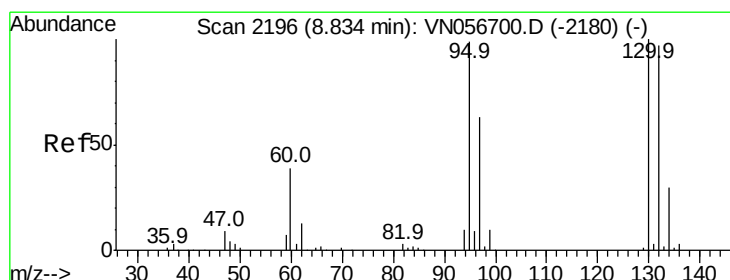
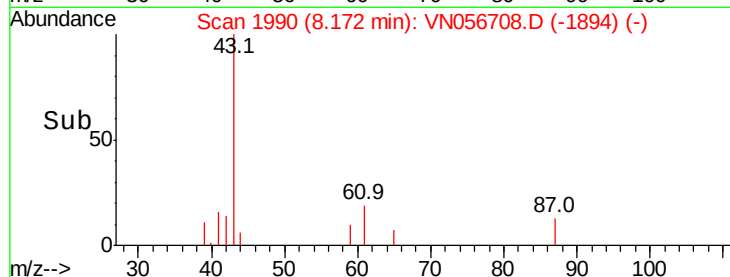
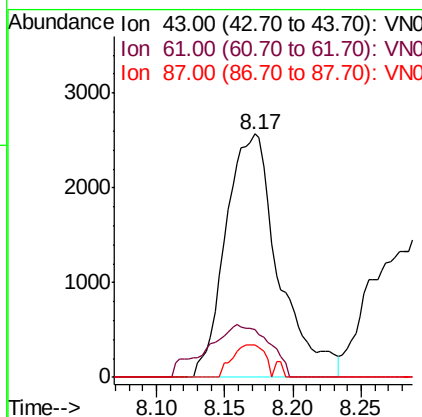
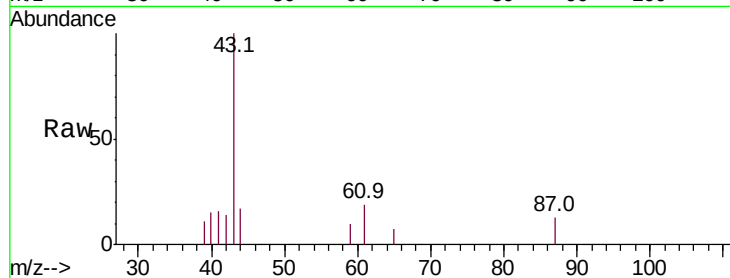
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	43	Resp:	6916
Ion	Ratio	Lower	Upper
43	100		
61	25.5	22.3	33.5
87	8.1	11.1	16.7#

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#44

Trichloroethene

Concen: 0.930 ug/l

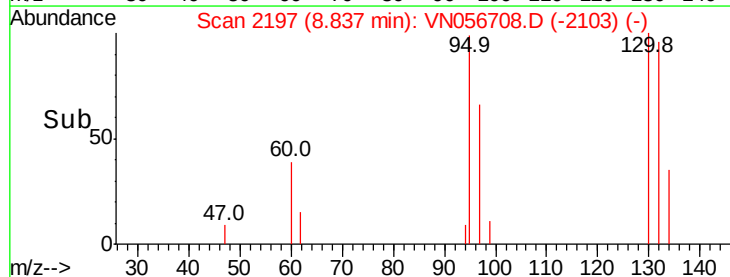
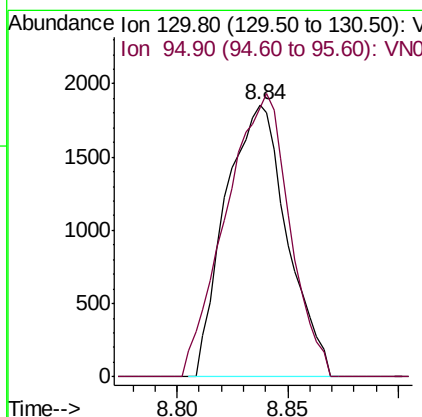
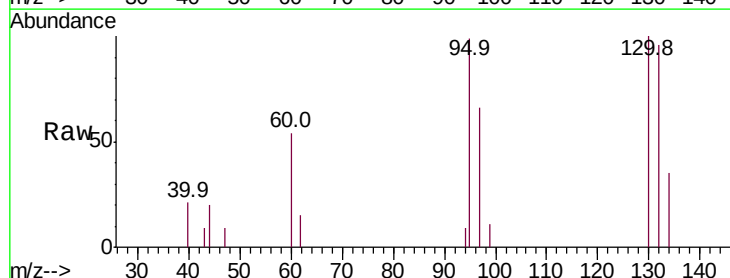
RT: 8.84 min Scan# 2197

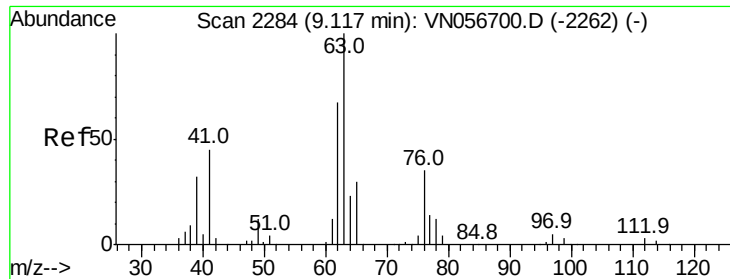
Delta R.T. 0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Tgt Ion:	130	Resp:	3600
Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	197.2





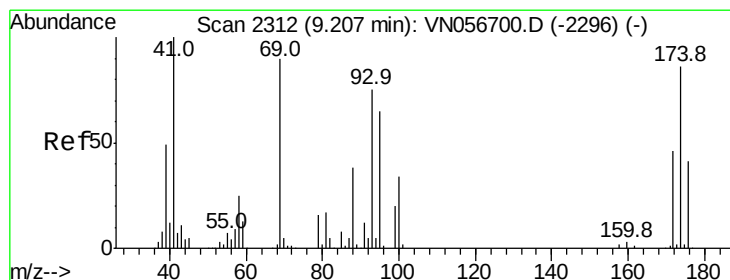
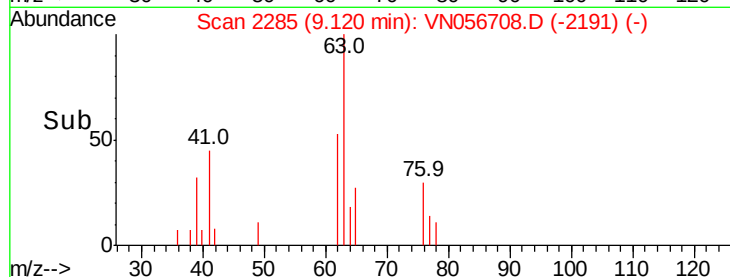
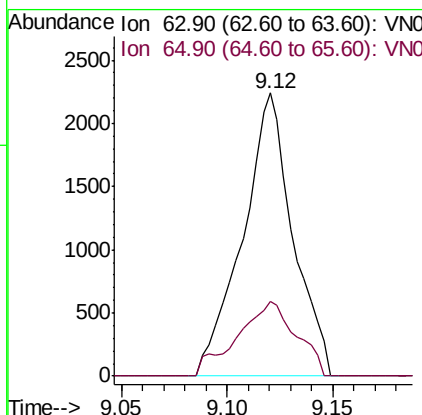
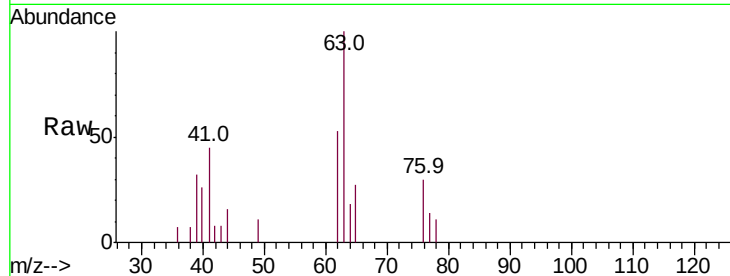
#45
 1,2-Dichloropropane
 Concen: 0.981 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion: 63 Resp: 3713
 Ion Ratio Lower Upper
 63 100
 65 26.6 24.0 36.0

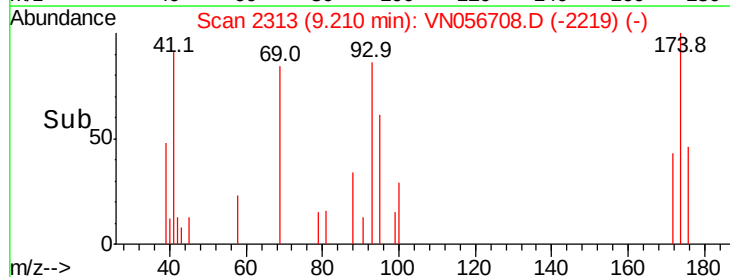
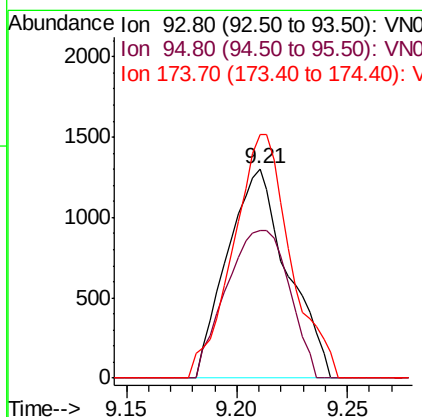
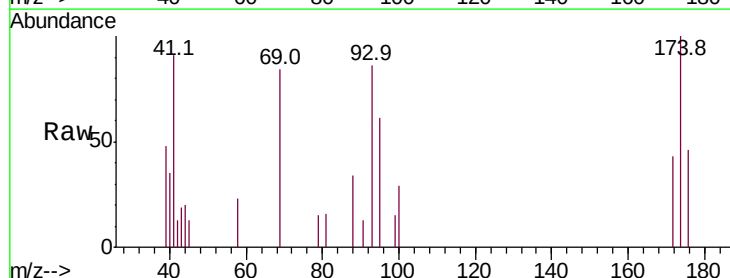
Manual Integrations
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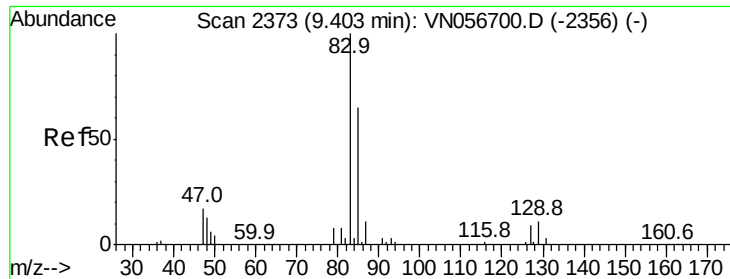
MMDadoda
 7/17/2019 1:31:34 AM



#46
 Dibromomethane
 Concen: 1.050 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Tgt Ion: 93 Resp: 2465
 Ion Ratio Lower Upper
 93 100
 95 73.7 67.4 101.0
 174 111.2 90.3 135.5





#47

Bromodichloromethane

Concen: 0.849 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056708.D

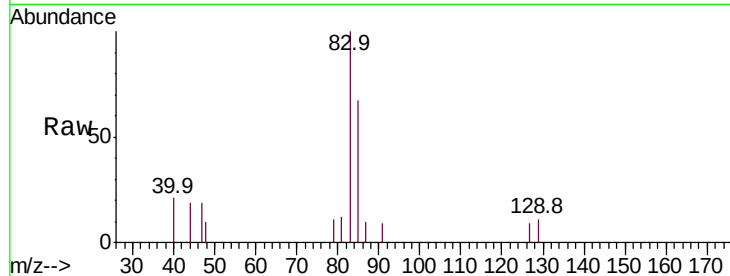
Acq: 15 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

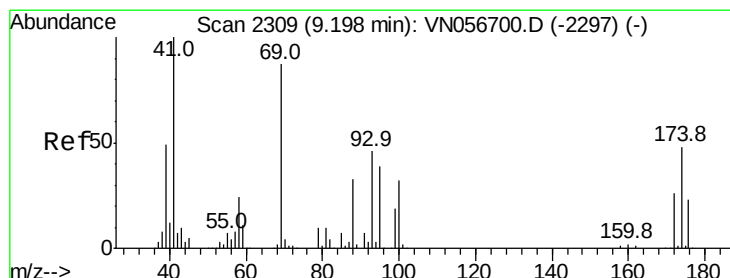
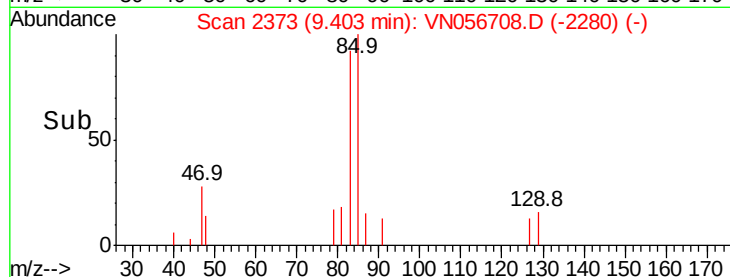
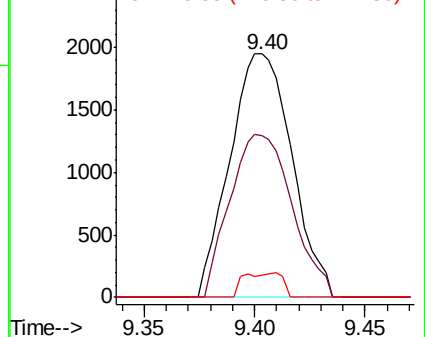
Tot Ion:	83	Resp:	3785
Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.3	78.5
127	8.9	7.6	11.4

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Abundance Ion 82.90 (82.60 to 83.60): VN056708.D (-2280) (-)



#48

Methyl methacrylate

Concen: 0.967 ug/l

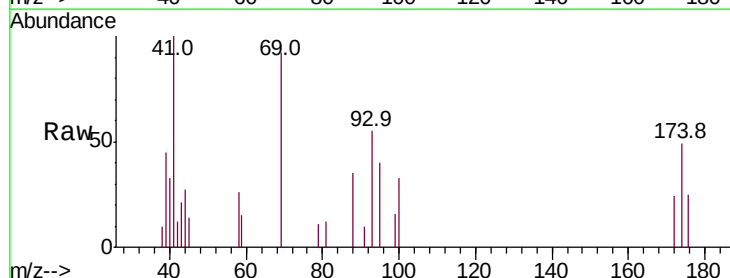
RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

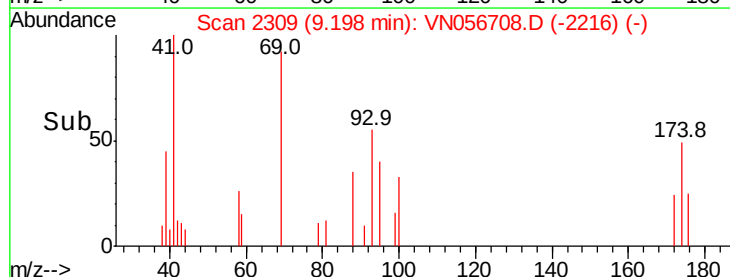
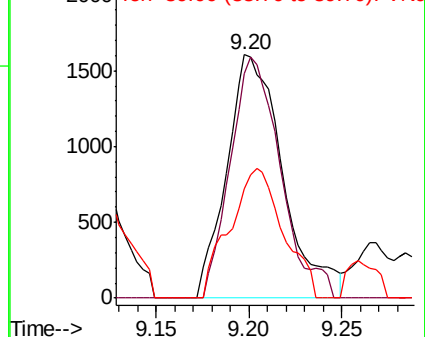
Lab File: VN056708.D

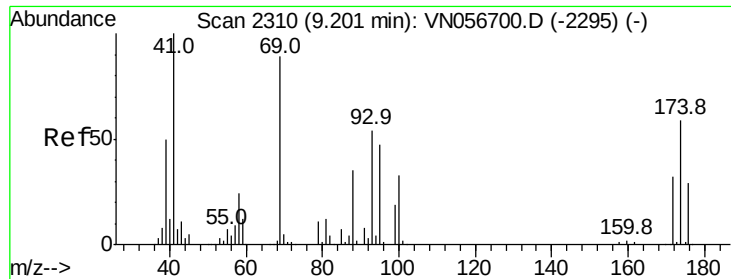
Acq: 15 Jul 2019 13:43

Tgt Ion:	41	Resp:	3369
Ion	Ratio	Lower	Upper
41	100		
69	88.8	71.4	107.0
39	50.7	41.2	61.8



Abundance Ion 41.00 (40.70 to 41.70): VN056708.D (-2216) (-)





#49

1,4-Dioxane

Concen: 17.592 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

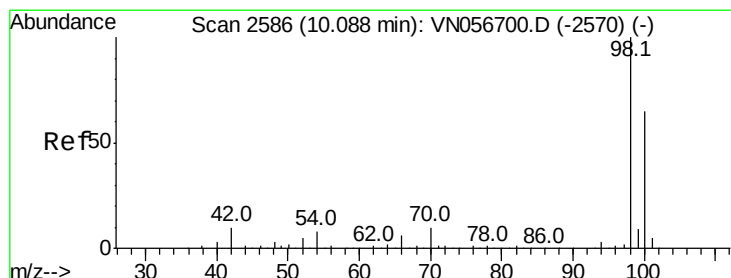
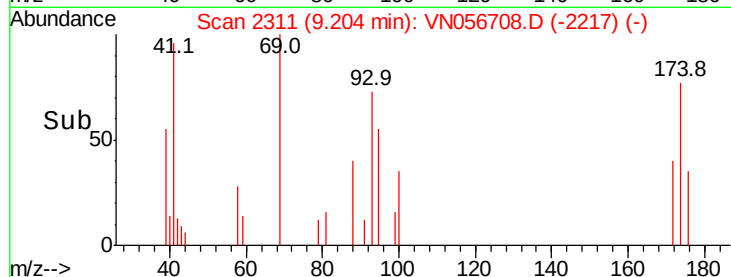
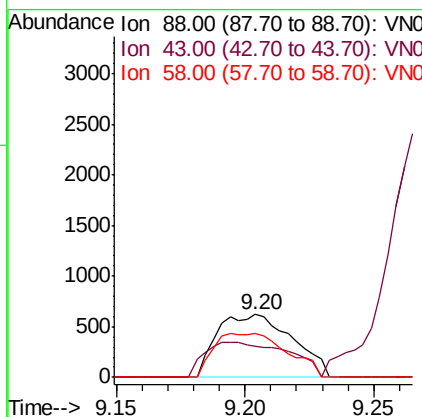
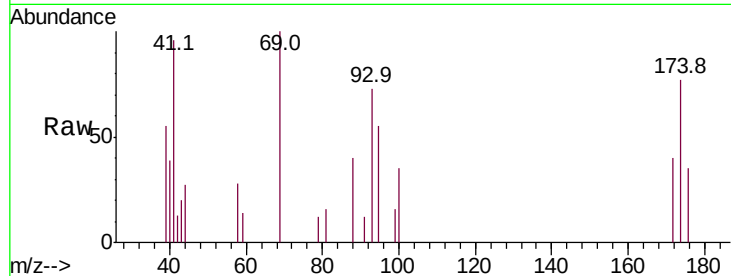
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
88	100		
43	63.2	23.7	35.5#
58	68.0	55.6	83.4

Manual Integrations
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#50

Toluene-d8

Concen: 48.309 ug/l

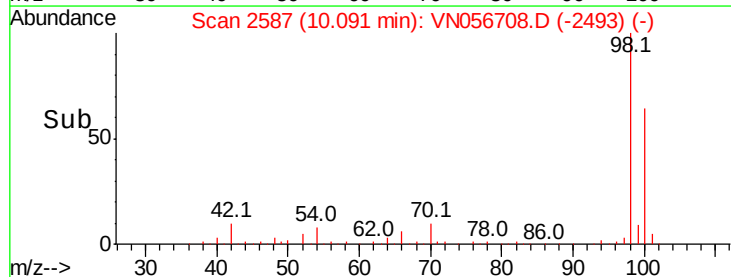
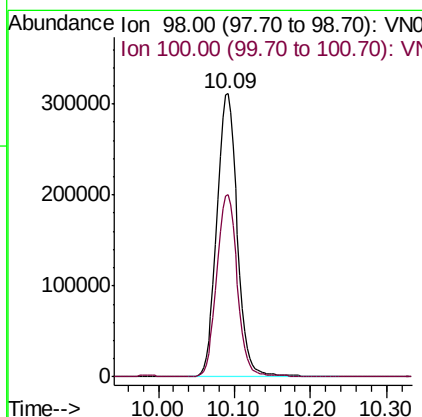
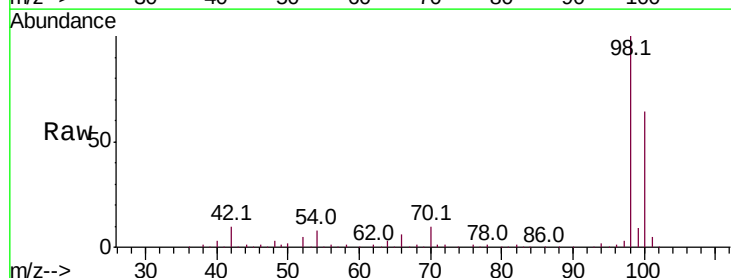
RT: 10.09 min Scan# 2587

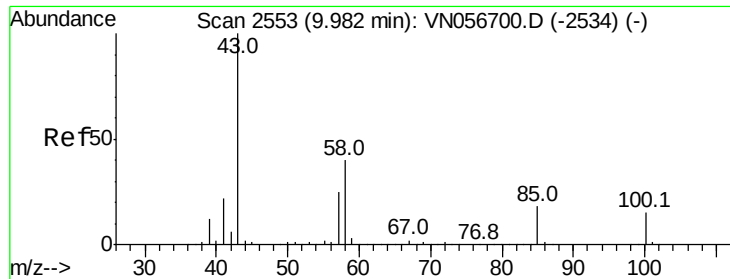
Delta R.T. 0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 4.701 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 21941

Ion Ratio Lower Upper

43 100

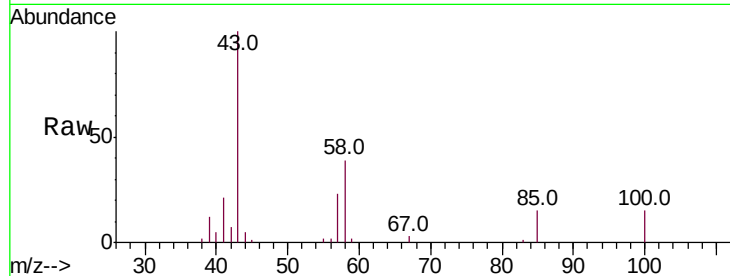
58 38.9 32.0 48.0

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN056708.D (-2554) (-)

Ion 58.00 (57.70 to 58.70): VN056708.D (-2554) (-)

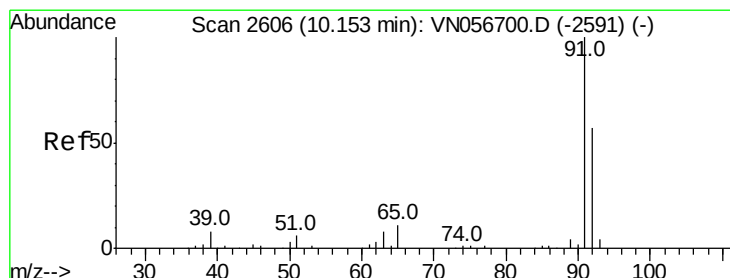
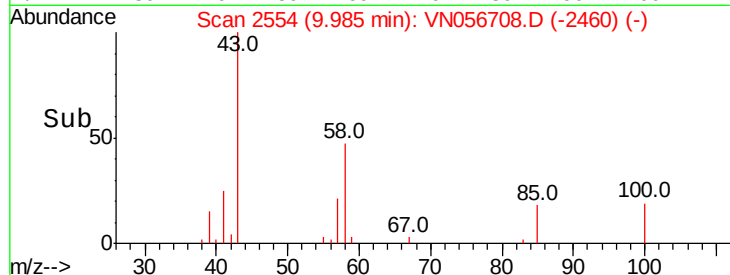
9.99

10000

5000

0

Time-->



#52

Toluene

Concen: 1.021 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056708.D

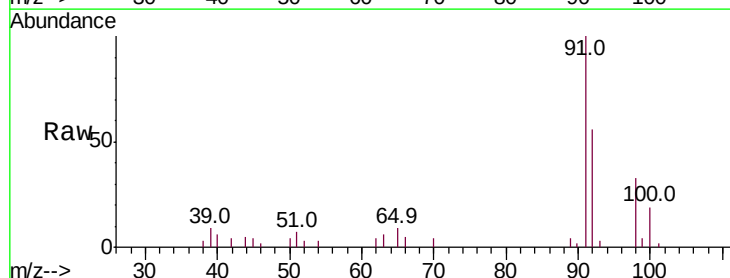
Acq: 15 Jul 2019 13:43

Tgt Ion: 92 Resp: 8640

Ion Ratio Lower Upper

92 100

91 171.3 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN056708.D (-2607) (-)

Ion 91.00 (90.70 to 91.70): VN056708.D (-2607) (-)

10.16

8000

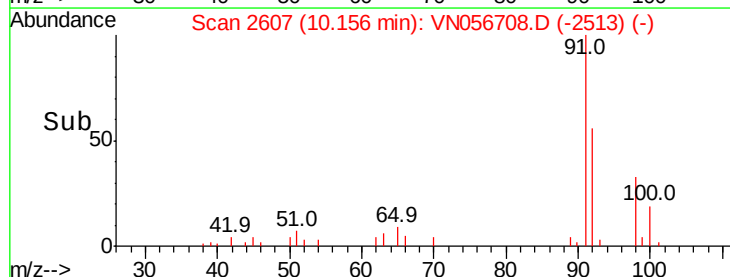
6000

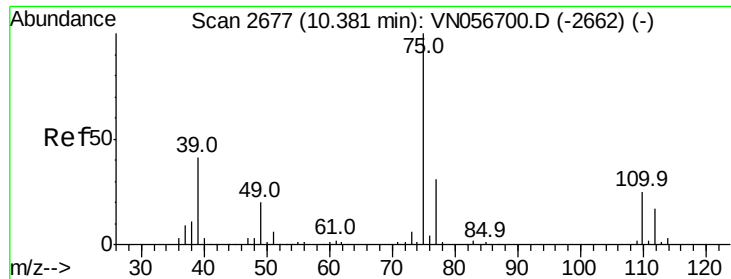
4000

2000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 0.760 ug/l

RT: 10.39 min Scan# 2679

Delta R.T. 0.01 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 75 Resp: 3536

Ion Ratio Lower Upper

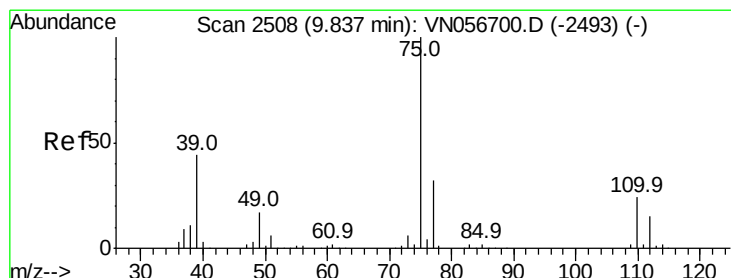
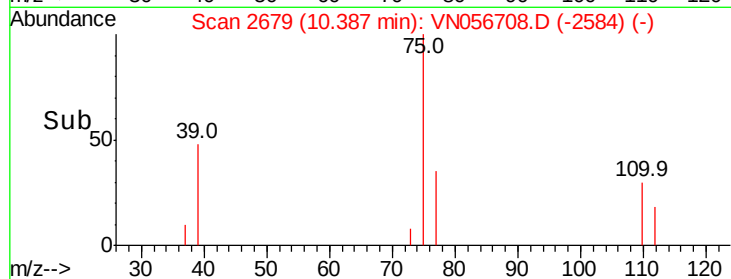
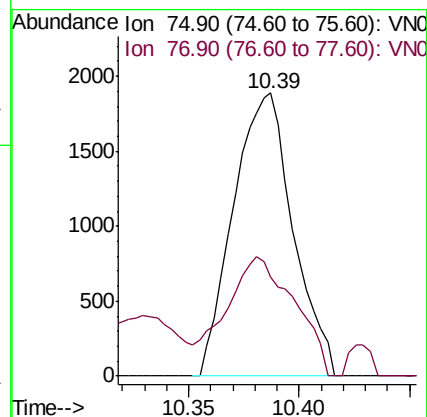
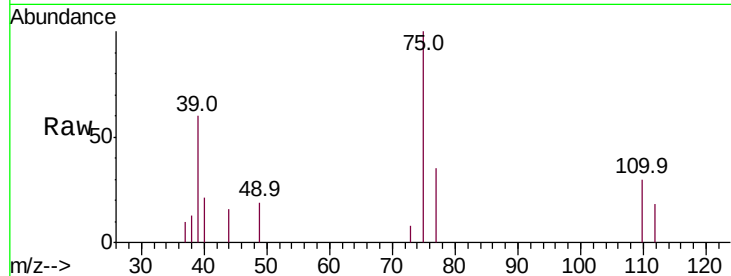
75 100

77 35.0 25.0 37.6

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#54

cis-1,3-Dichloropropene

Concen: 0.840 ug/l

RT: 9.84 min Scan# 2510

Delta R.T. 0.01 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

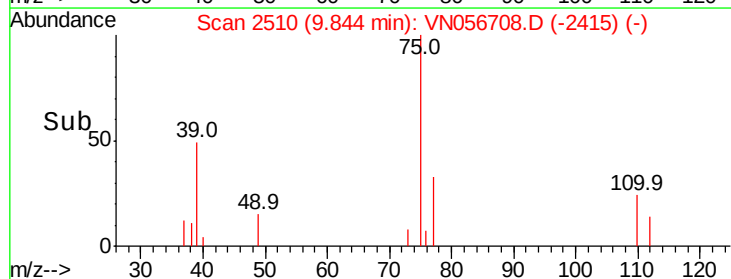
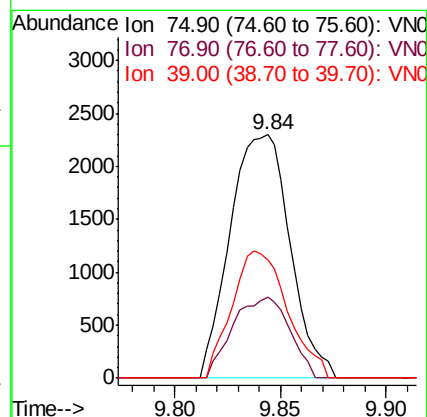
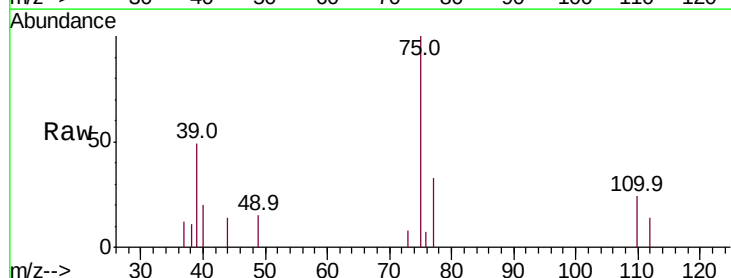
Tgt Ion: 75 Resp: 4537

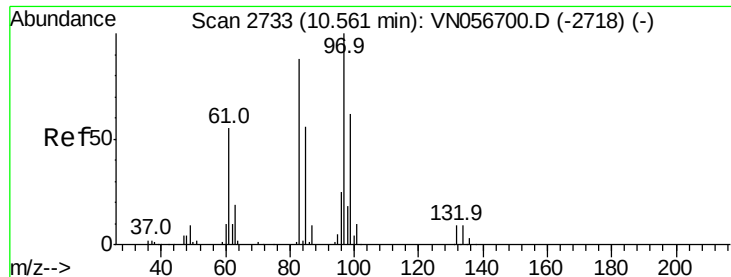
Ion Ratio Lower Upper

75 100

77 33.0 26.0 39.0

39 48.6 35.1 52.7





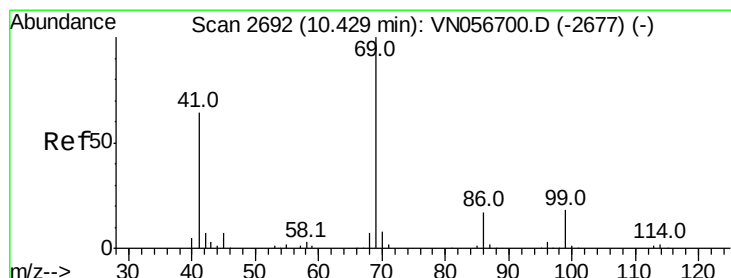
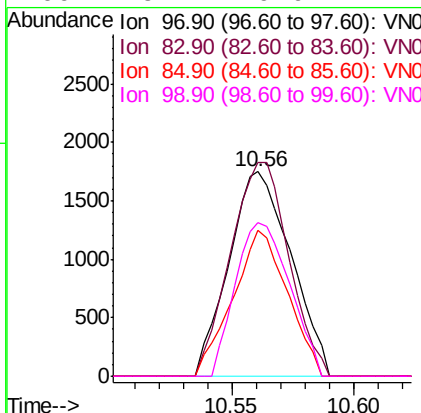
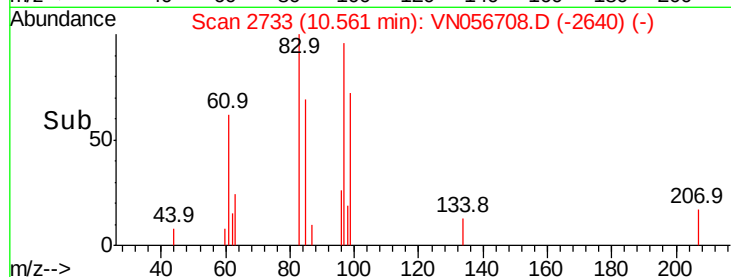
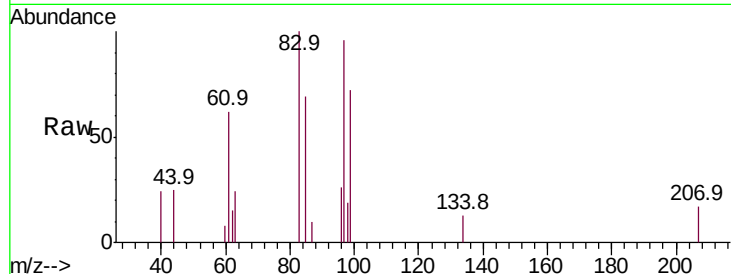
#55
1,1,2-Trichloroethane
Concen: 0.871 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
97	100		
83	104.4	70.3	105.5
85	71.7	44.8	67.2#
99	75.2	49.6	74.4#

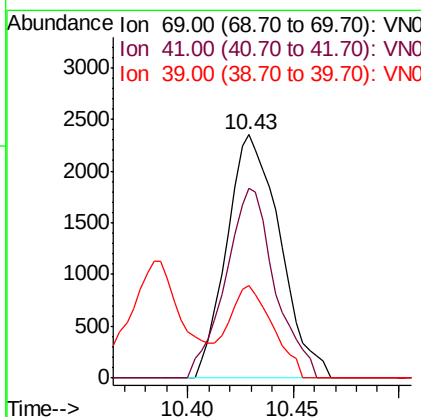
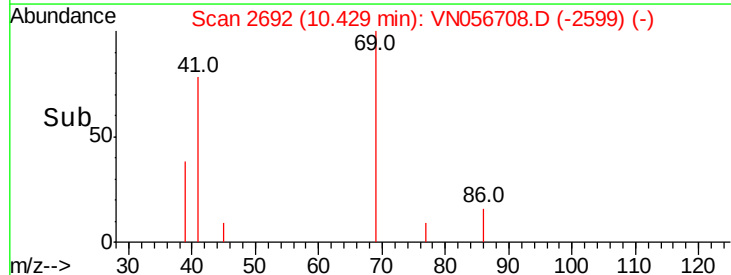
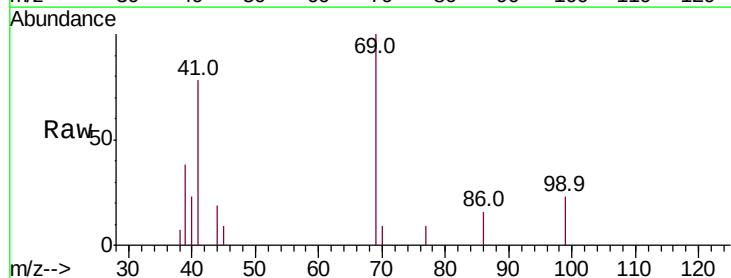
Manual Integrations
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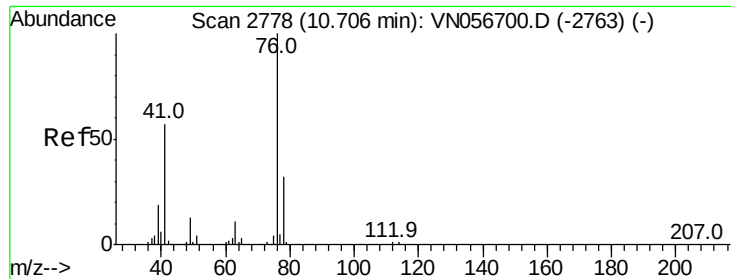
MMDadoda
7/17/2019 1:31:34 AM



#56
Ethyl methacrylate
Concen: 0.807 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.1	51.0	76.4
39	31.3	24.6	36.8





#57

1,3-Dichloropropane

Concen: 1.004 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 76 Resp: 5820

Ion Ratio Lower Upper

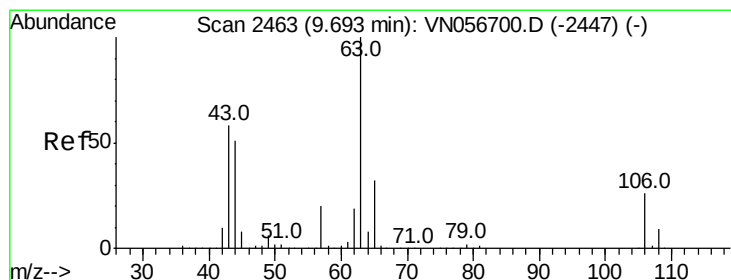
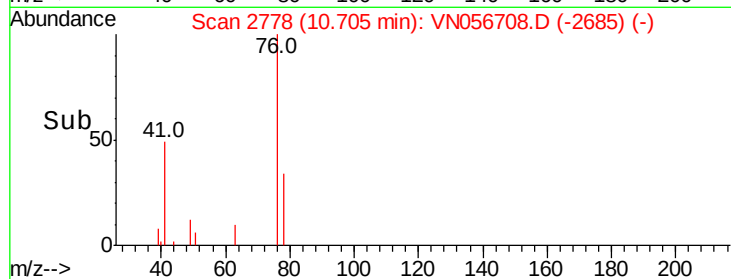
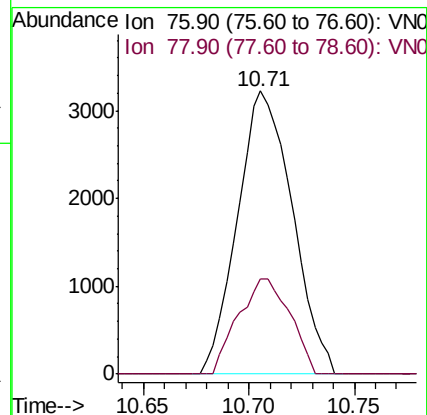
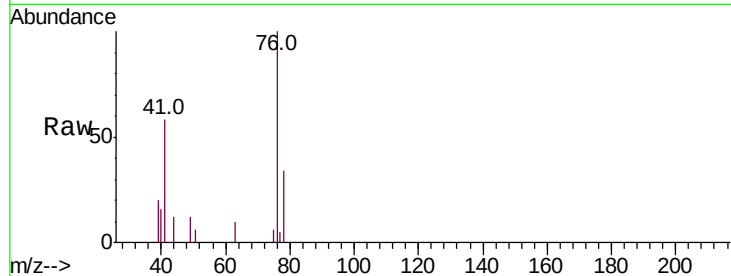
76 100

78 31.7 26.0 39.0

Manual Integrations
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MMDadoda

7/17/2019 1:31:34 AM



#58

2-Chloroethyl Vinyl ether

Concen: 4.085 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056708.D

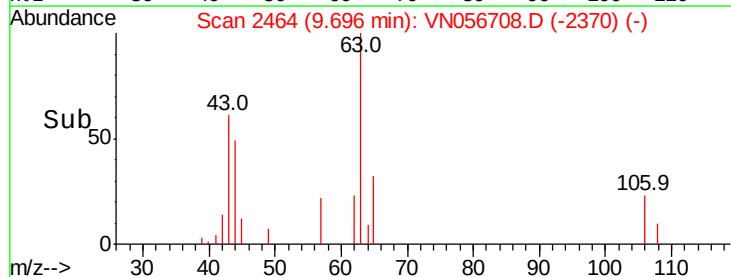
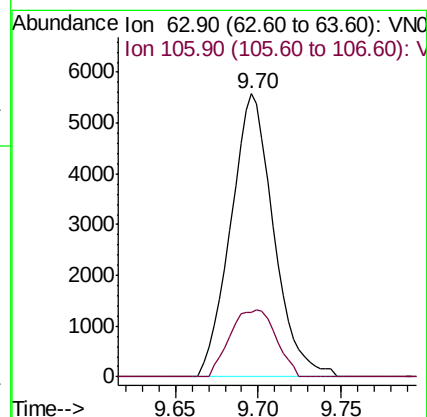
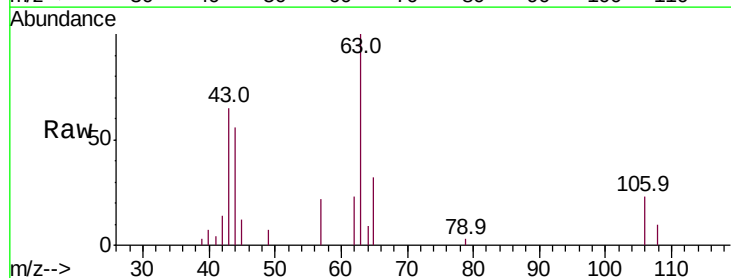
Acq: 15 Jul 2019 13:43

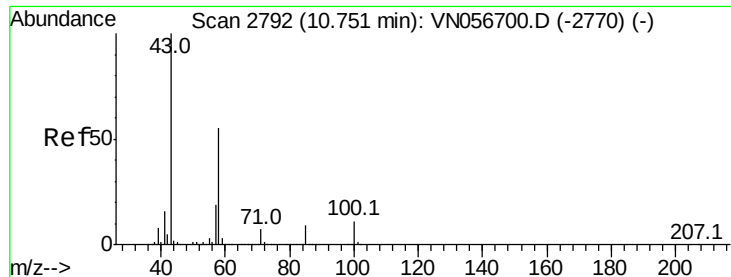
Tgt Ion: 63 Resp: 10034

Ion Ratio Lower Upper

63 100

106 25.4 21.2 31.8





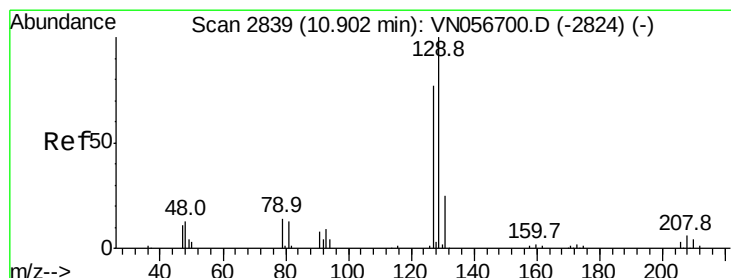
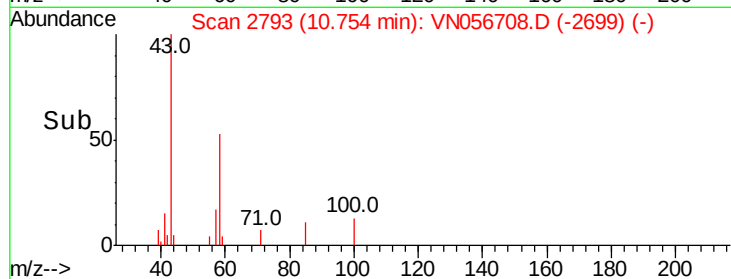
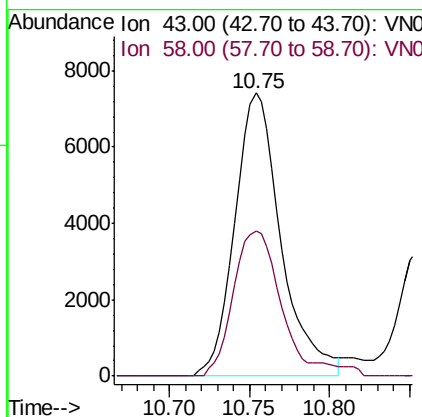
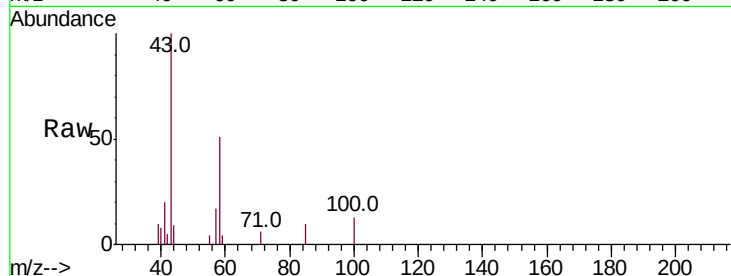
#59
2-Hexanone
Concen: 4.379 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 14665
Ion Ratio Lower Upper
43 100
58 53.2 27.9 83.6

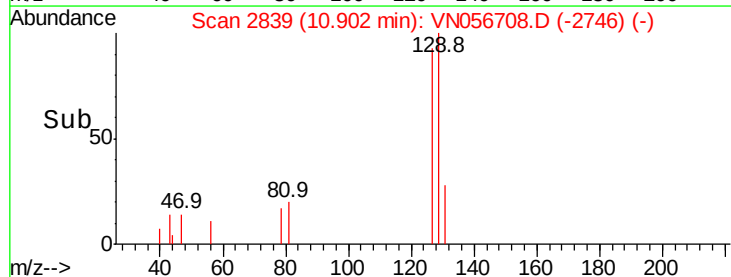
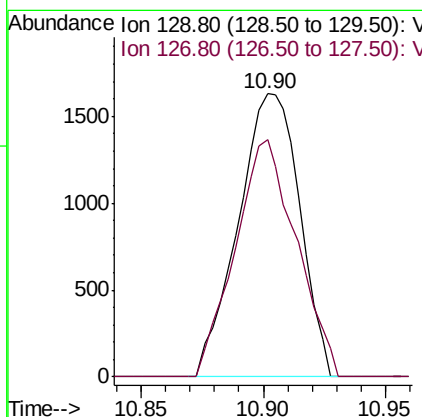
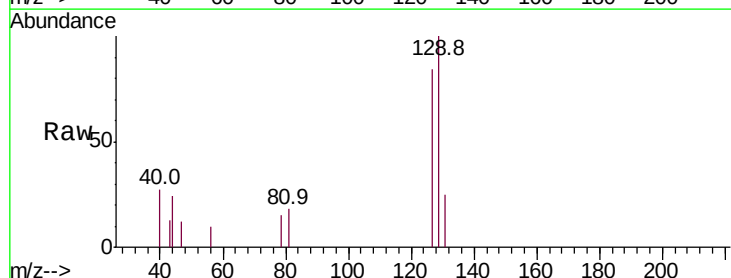
Manual Integrations
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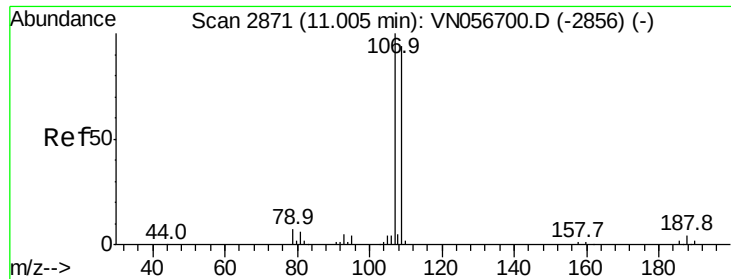
MMDadoda
7/17/2019 1:31:34 AM



#60
Dibromochloromethane
Concen: 0.815 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion: 129 Resp: 2844
Ion Ratio Lower Upper
129 100
127 83.6 38.2 114.6





#61

1,2-Dibromoethane

Concen: 0.868 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:107 Resp: 3062

Ion Ratio Lower Upper

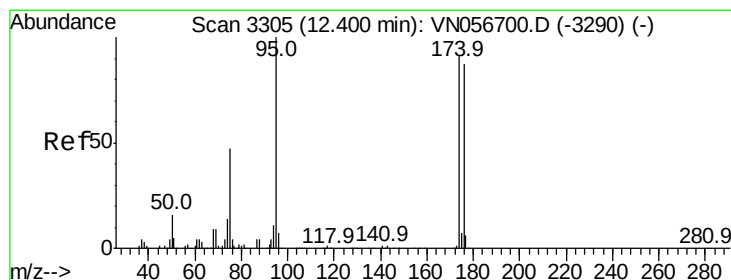
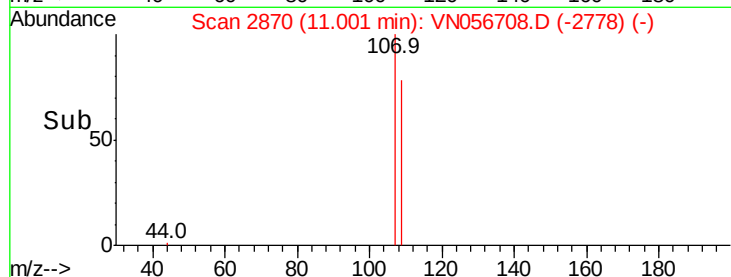
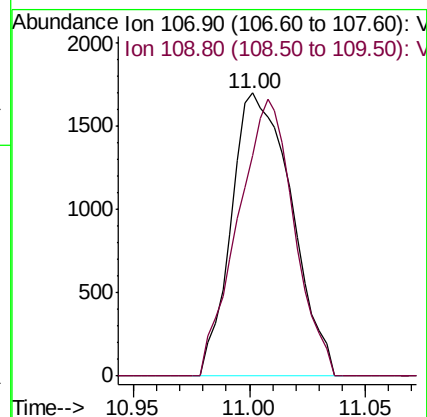
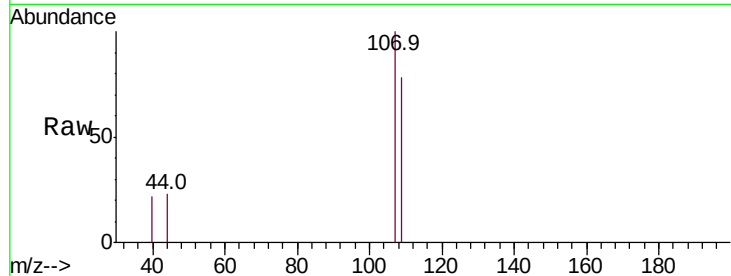
107 100

109 91.5 76.2 114.4

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#62

4-Bromofluorobenzene

Concen: 41.097 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

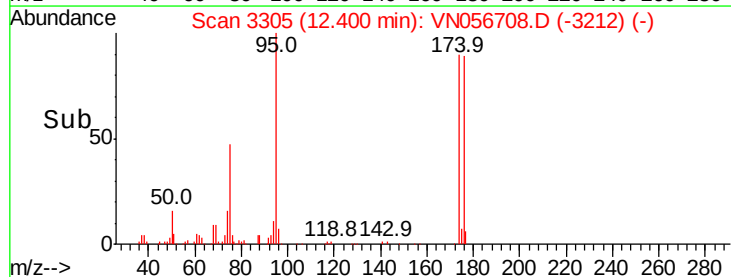
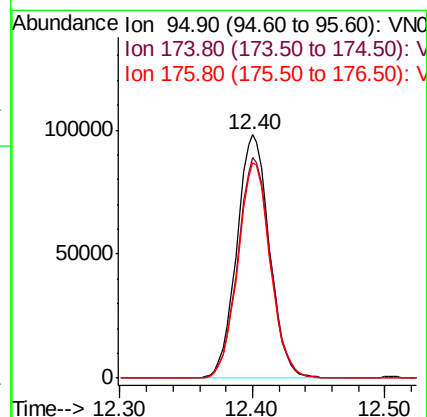
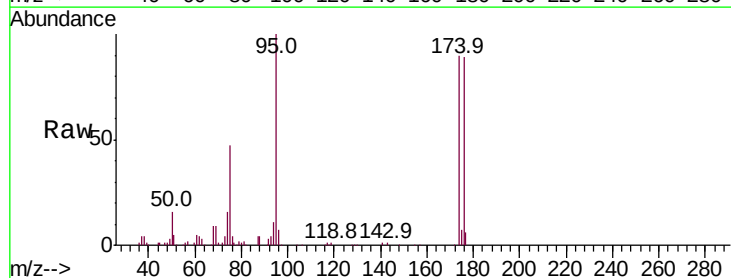
Tgt Ion: 95 Resp: 167428

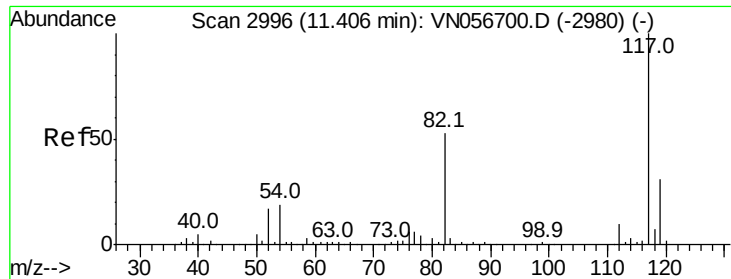
Ion Ratio Lower Upper

95 100

174 91.0 0.0 180.0

176 88.0 0.0 173.2





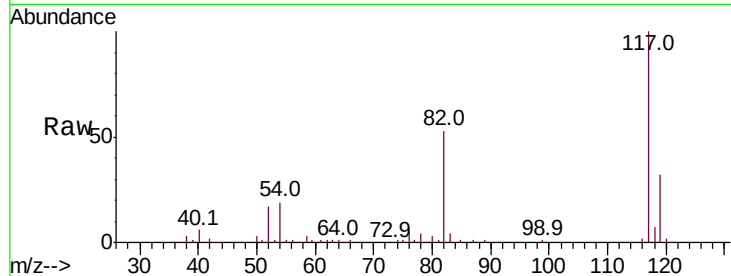
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.2	63.2
119	31.5	25.2	37.8

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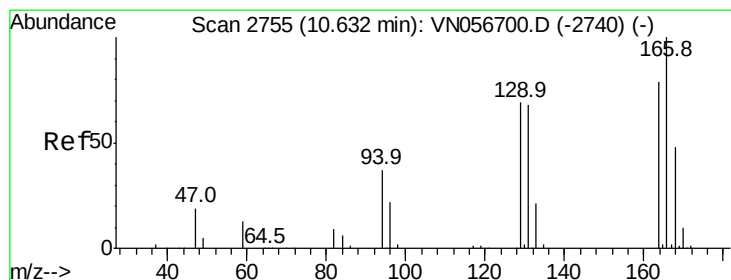
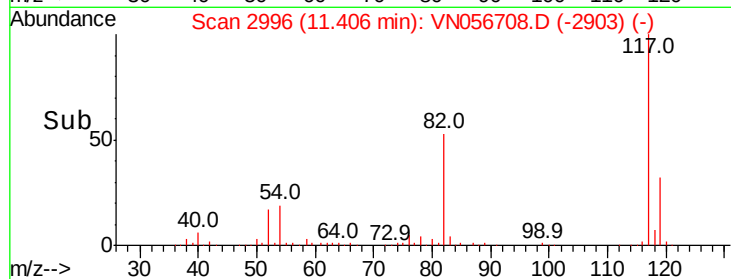
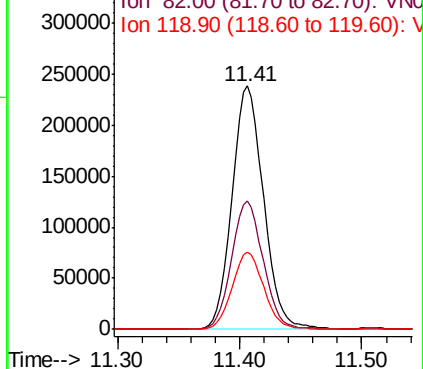


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 1.152 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.5	101.4	152.2
129	90.2	69.6	104.4
131	83.6	69.0	103.4

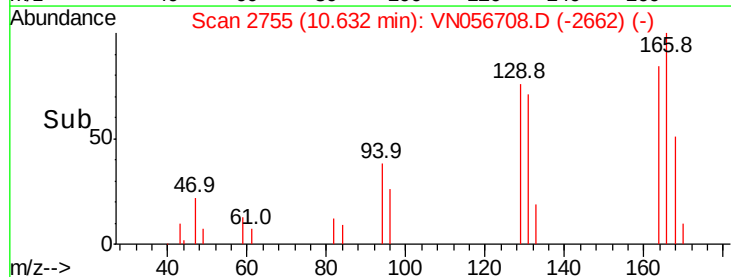
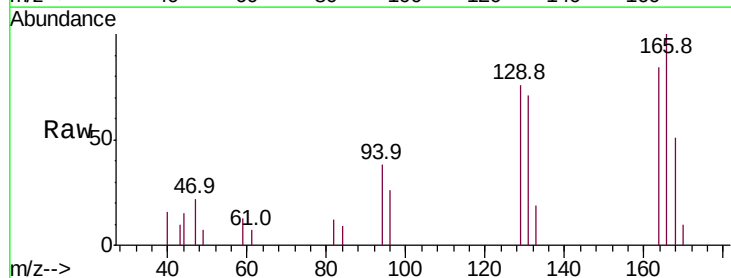
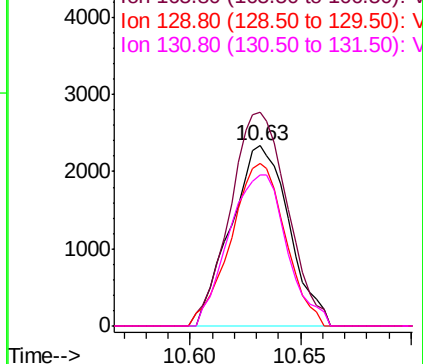
Abundance

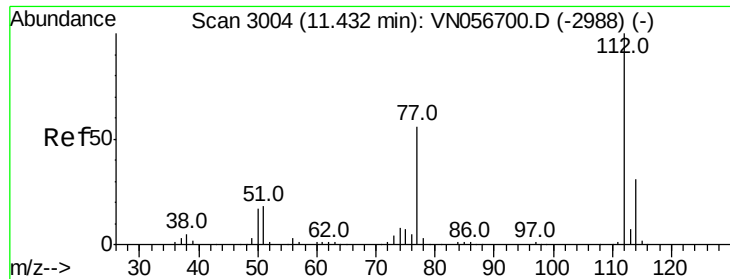
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





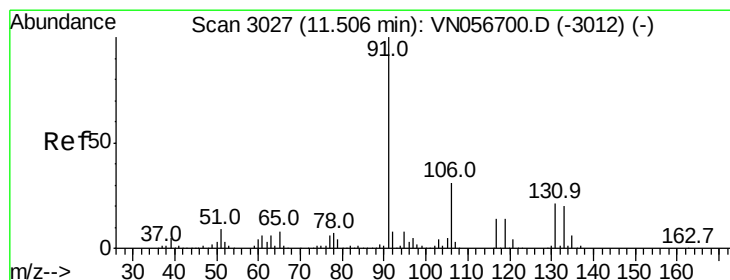
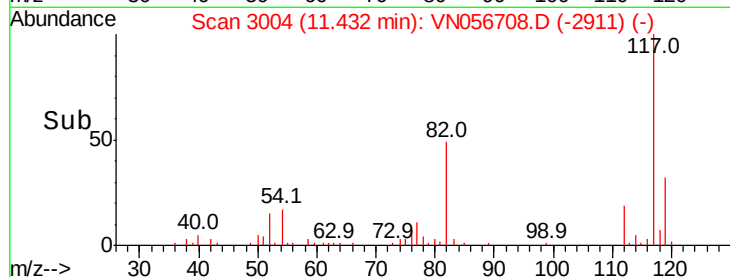
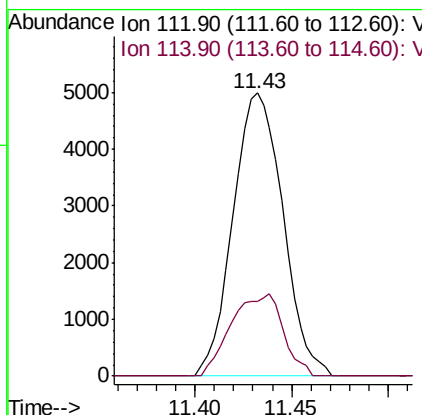
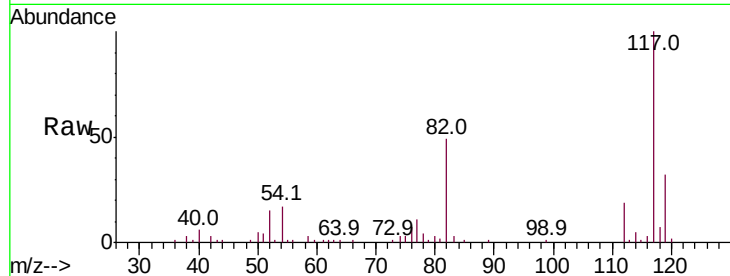
#65
Chlorobenzene
Concen: 1.026 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion:112 Resp: 8970
Ion Ratio Lower Upper
112 100
114 26.4 25.2 37.8

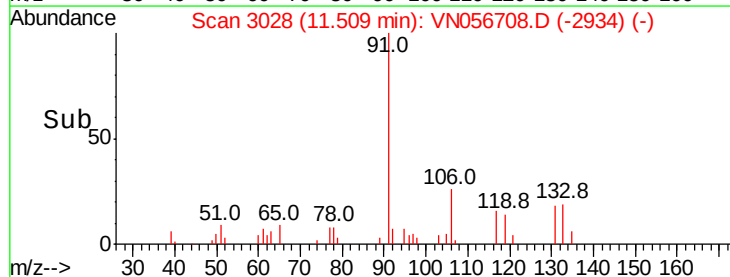
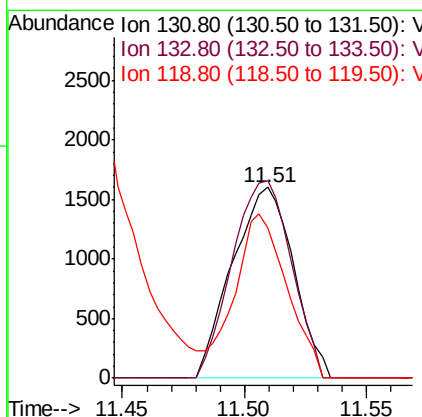
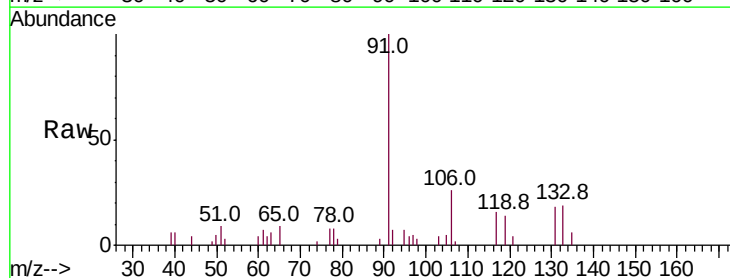
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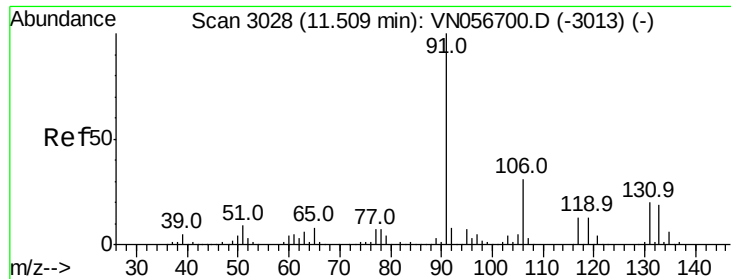
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 0.864 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion:131 Resp: 2780
Ion Ratio Lower Upper
131 100
133 100.9 46.9 140.7
119 0.0 32.8 98.3#





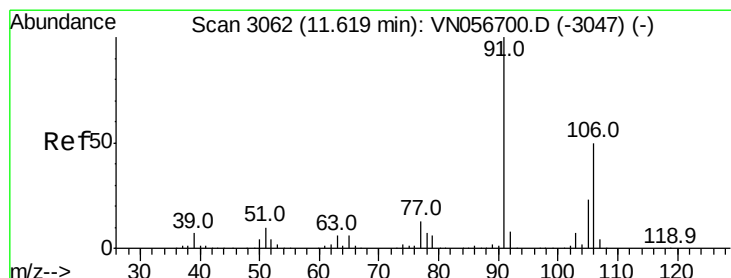
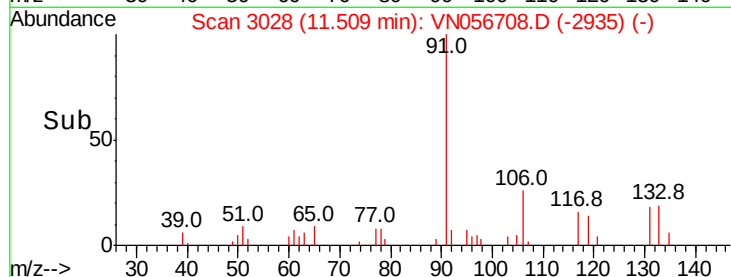
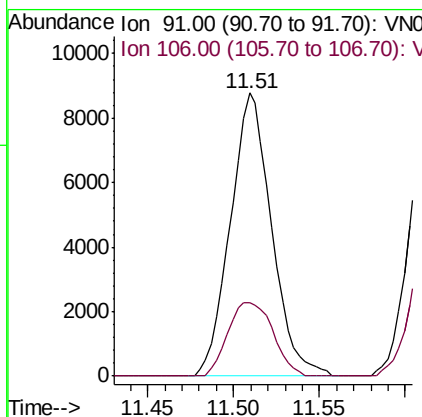
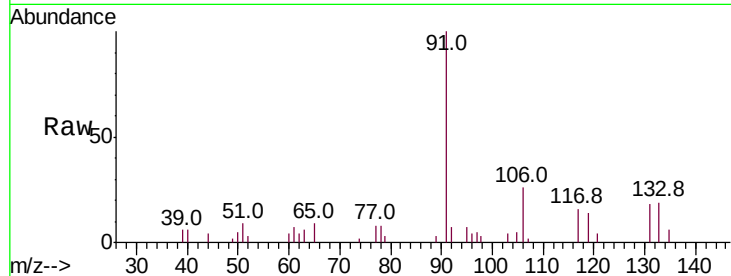
#67
Ethyl Benzene
Concen: 0.950 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion: 91 Resp: 14599
Ion Ratio Lower Upper
91 100
106 25.9 24.8 37.2

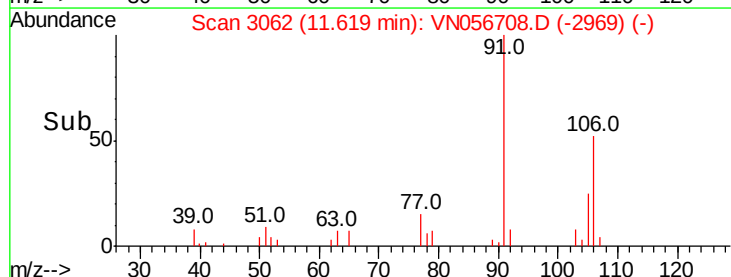
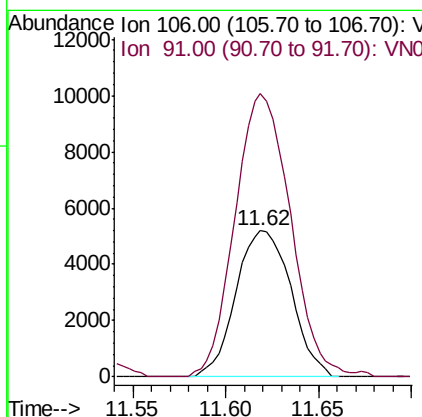
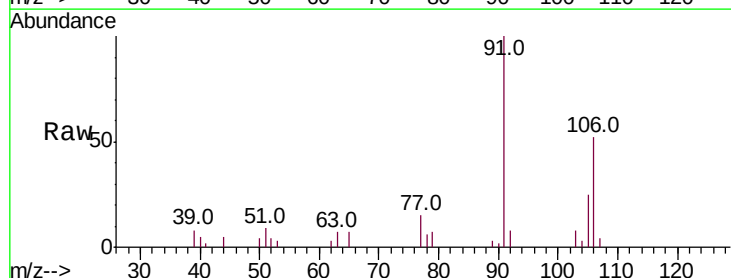
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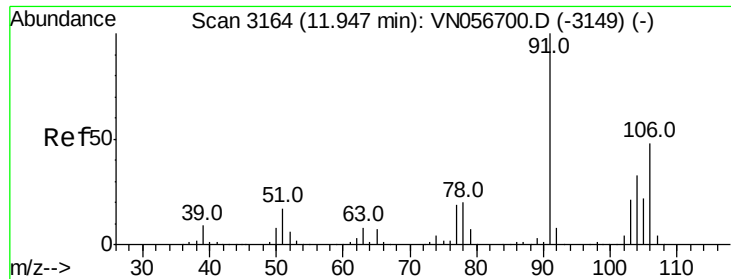
MMDadoda
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#68
m/p-Xylenes
Concen: 1.870 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion: 106 Resp: 10737
Ion Ratio Lower Upper
106 100
91 195.5 160.5 240.7





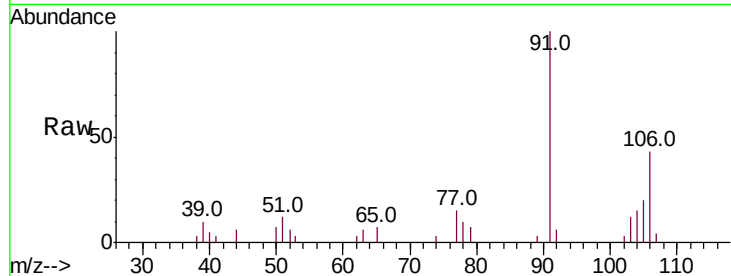
#69
o-Xylene
Concen: 0.847 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

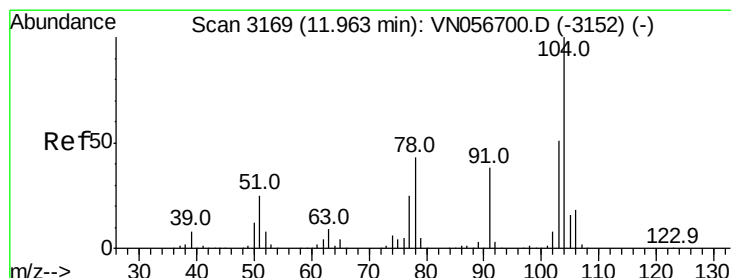
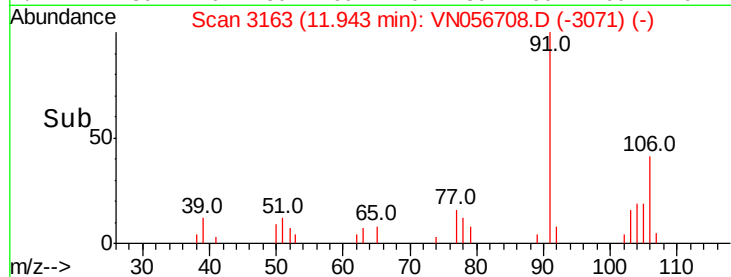
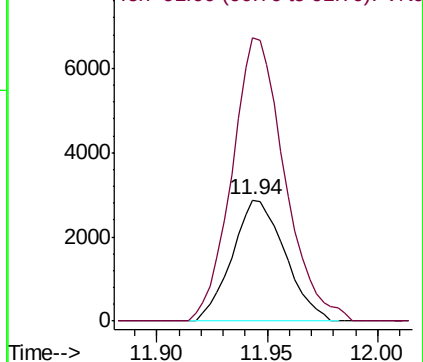
Tot Ion:106 Resp: 4782
Ion Ratio Lower Upper
106 100
91 233.5 105.6 316.8

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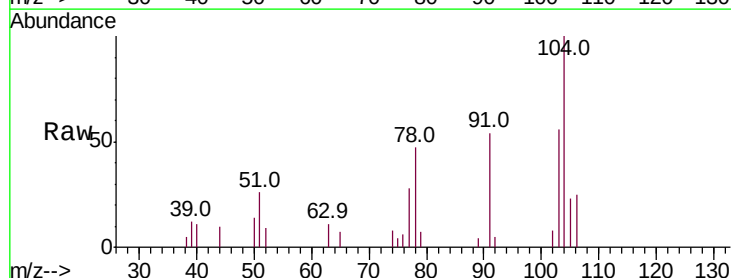


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

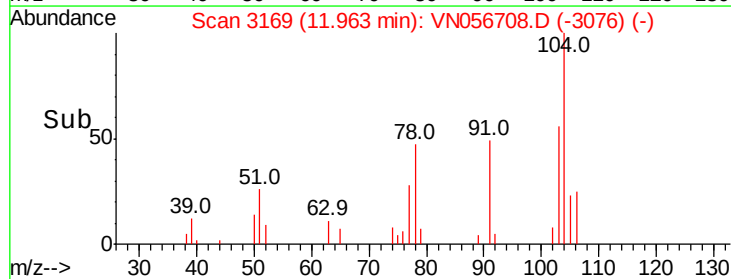
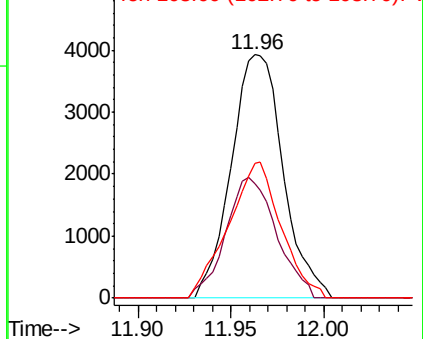


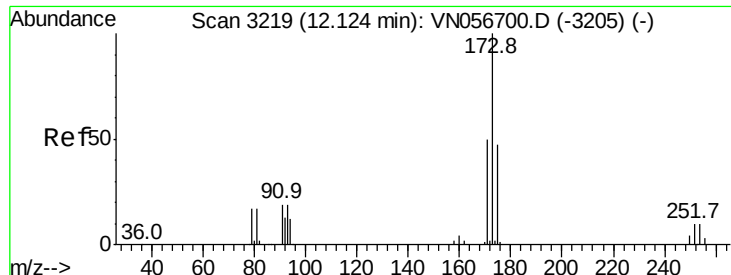
#70
Styrene
Concen: 0.836 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion:104 Resp: 7626
Ion Ratio Lower Upper
104 100
78 48.4 38.6 57.8
103 56.5 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





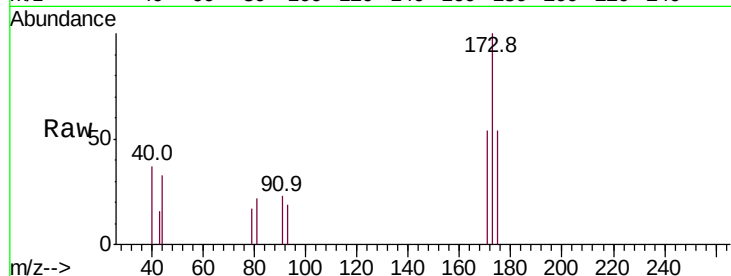
#71
Bromoform
Concen: 0.781 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

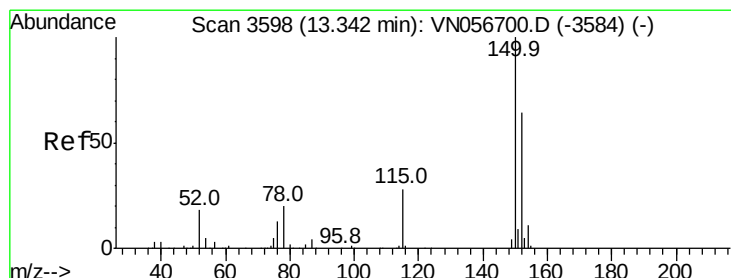
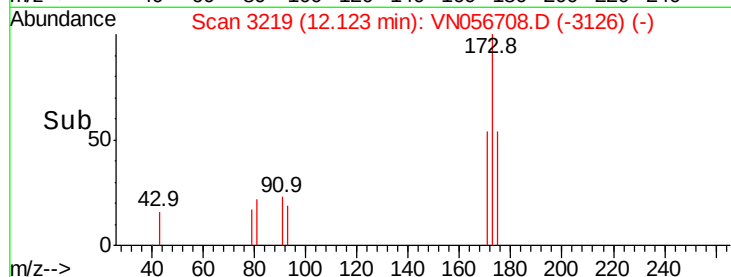
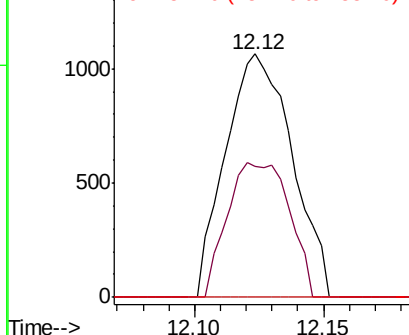
Tot Ion	Ratio	Lower	Upper
173	100		
175	51.6	23.8	71.4
254	0.0	0.0	0.0

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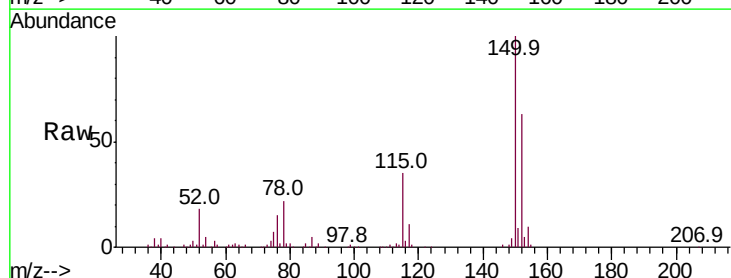


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

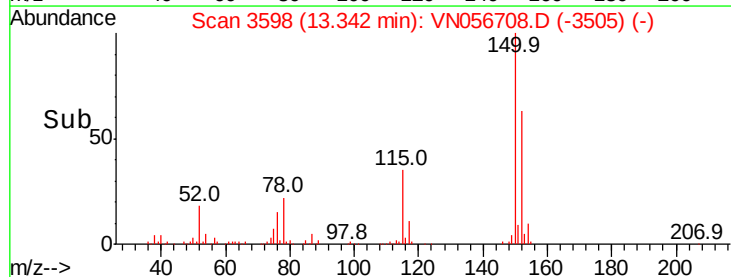
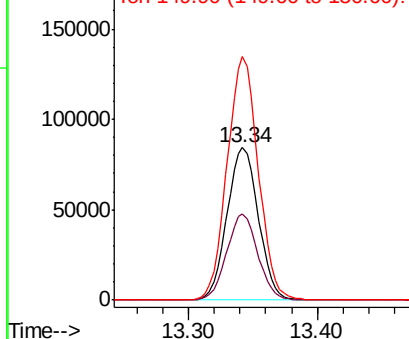


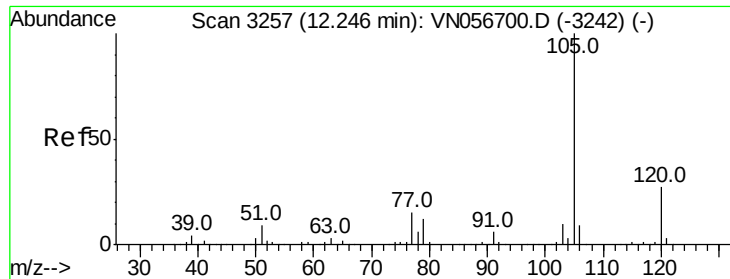
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.2	84.7
150	158.4	0.0	345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.146 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 105 Resp: 13138

Ion Ratio Lower Upper

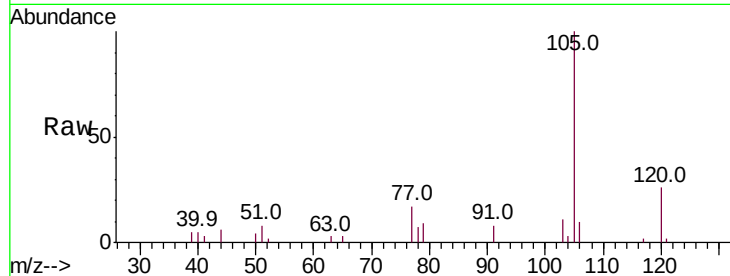
105 100

120 26.2 13.4 40.2

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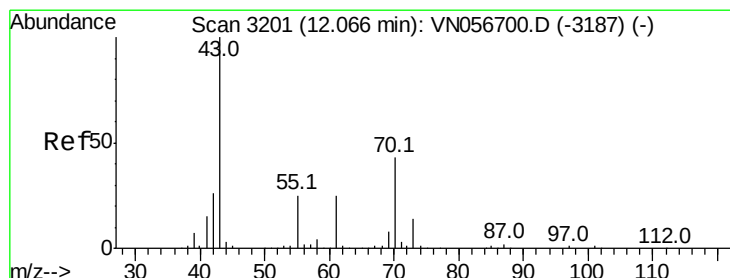
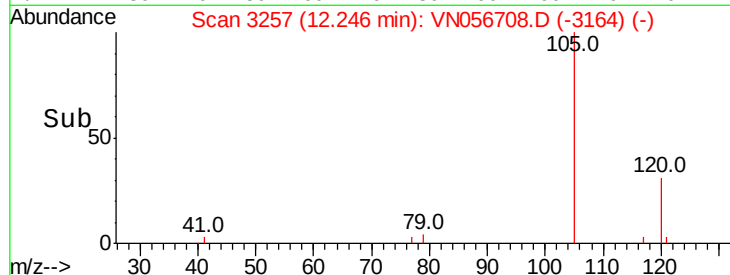
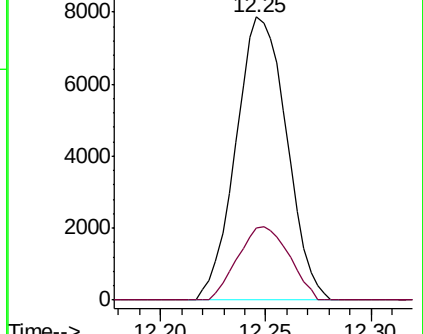
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.988 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Tgt Ion: 43 Resp: 4219

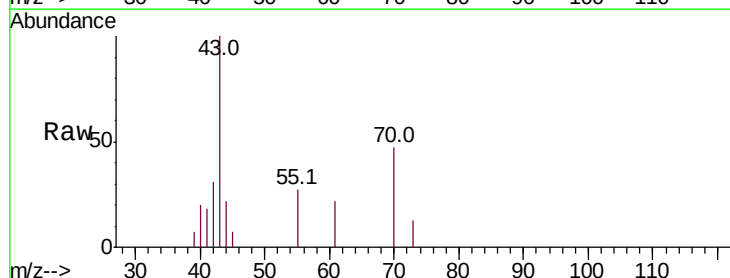
Ion Ratio Lower Upper

43 100

70 38.4 34.5 51.7

55 26.7 20.2 30.2

61 19.3 19.9 29.9#

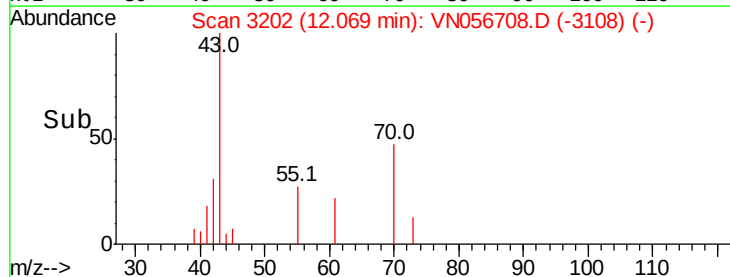
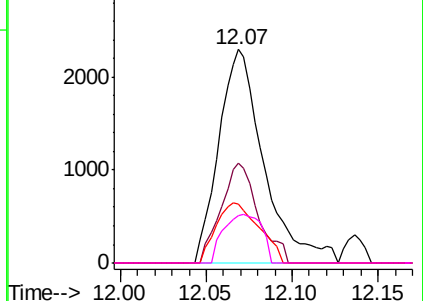


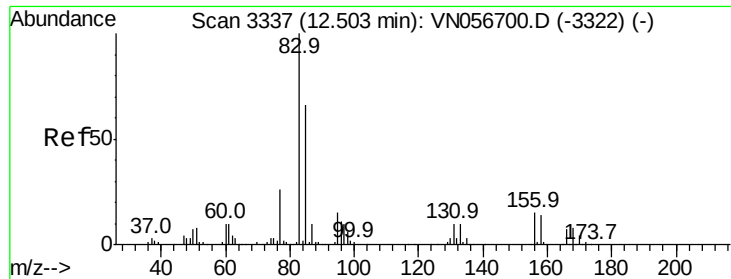
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 1.296 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

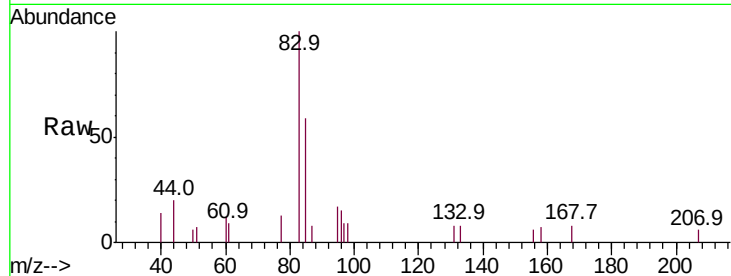
ClientSampleId :

LOQ-WATER-02-QT3-2019

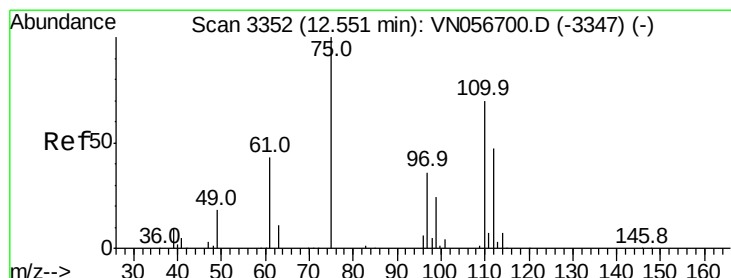
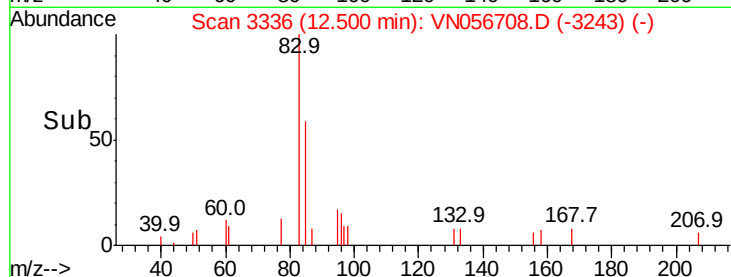
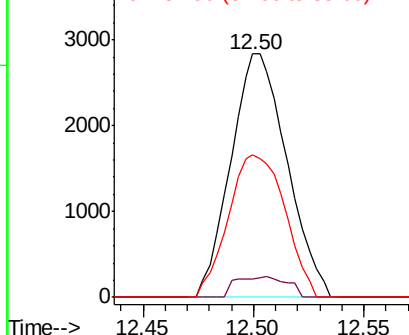
Tot Ion:	83	Resp:	4998
Ion Ratio	Lower	Upper	
83	100		
131	7.9	5.3	15.8
85	59.2	32.6	97.8

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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 1.293 ug/l m

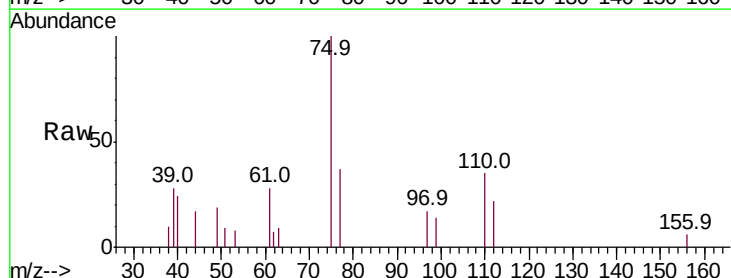
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

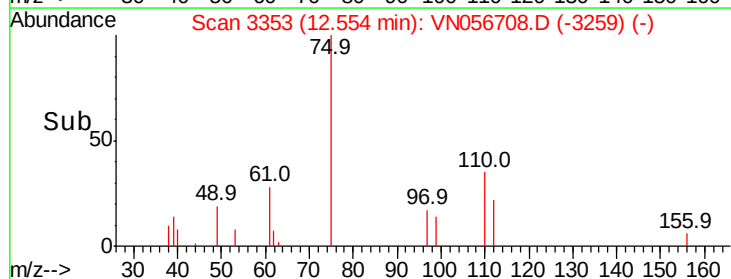
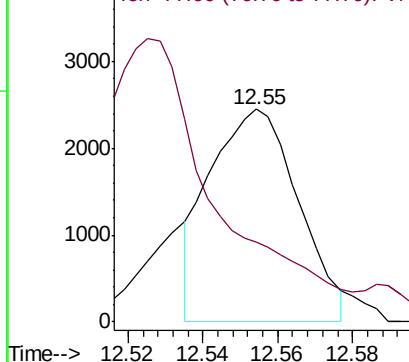
Lab File: VN056708.D

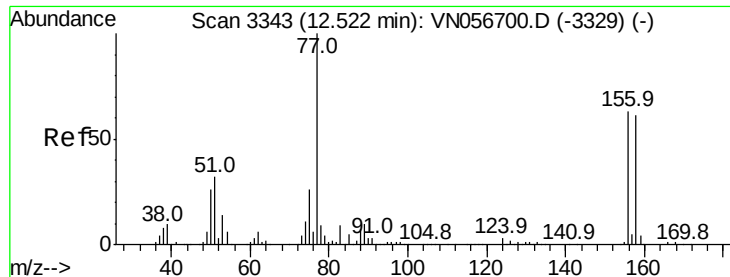
Acq: 15 Jul 2019 13:43

Tgt Ion:	75	Resp:	4021
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 1.227 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:156 Resp: 3679

Ion Ratio Lower Upper

156 100

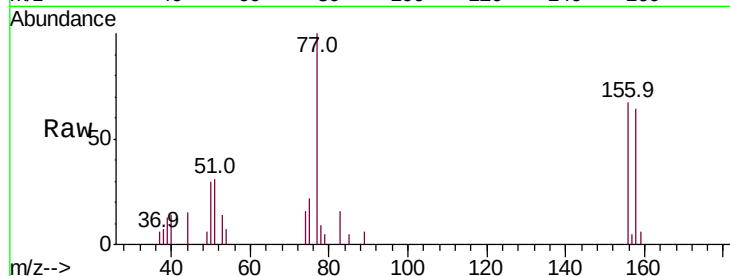
77 199.2 97.2 291.6

158 91.4 48.9 146.8

Manual Integrations
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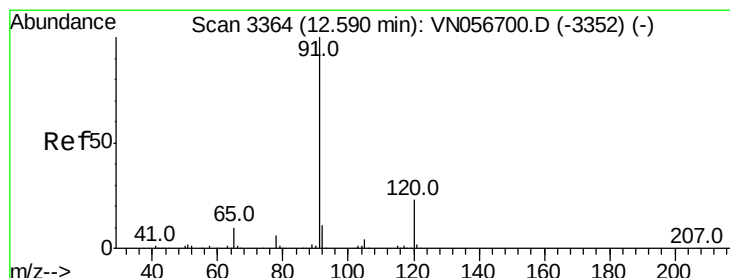
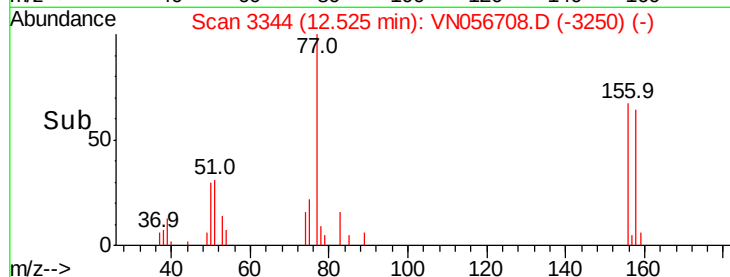
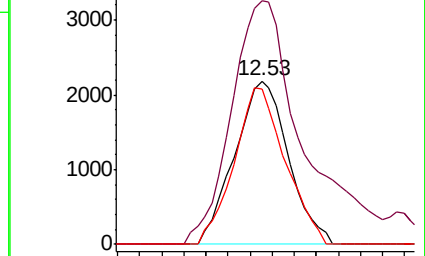
7/17/2019 1:31:34 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.081 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056708.D

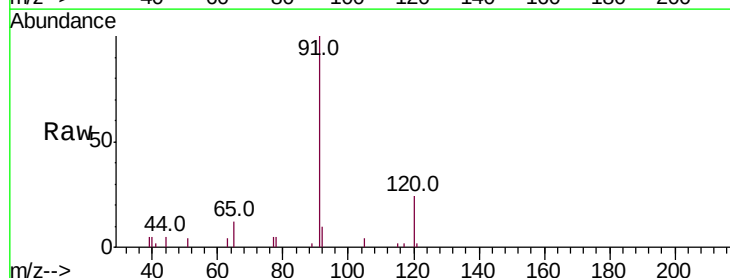
Acq: 15 Jul 2019 13:43

Tgt Ion: 91 Resp: 13762

Ion Ratio Lower Upper

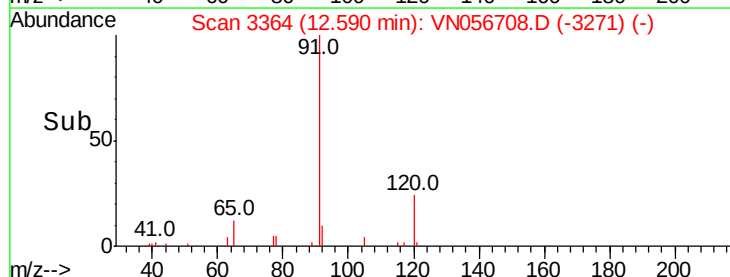
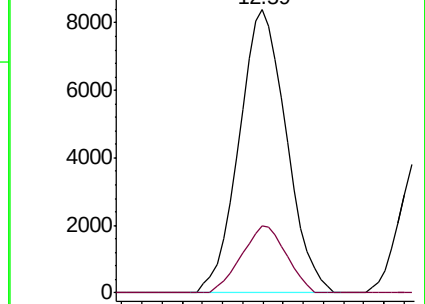
91 100

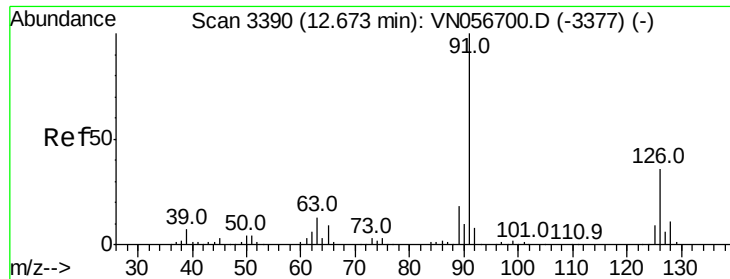
120 22.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.168 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 91 Resp: 9202

Ion Ratio Lower Upper

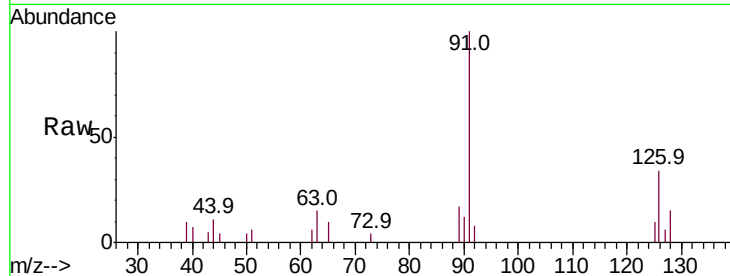
91 100

126 34.3 17.9 53.7

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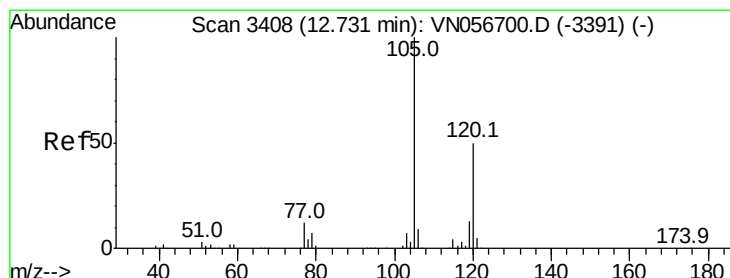
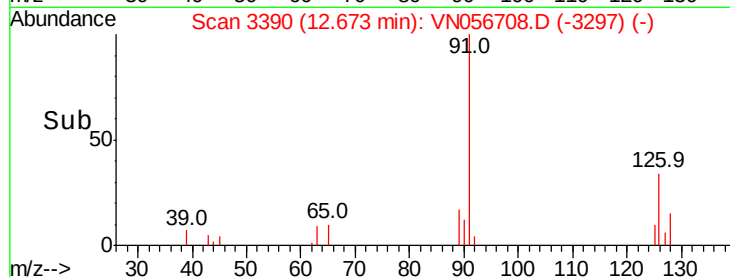


Abundance Ion 91.00 (90.70 to 91.70): VN056708.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN056708.D (-3377) (-)

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 1.126 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056708.D

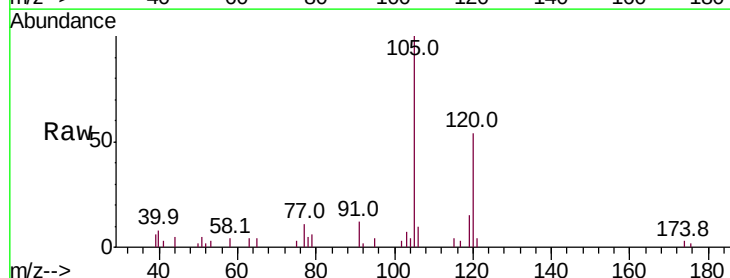
Acq: 15 Jul 2019 13:43

Tgt Ion: 105 Resp: 10941

Ion Ratio Lower Upper

105 100

120 52.9 24.8 74.3

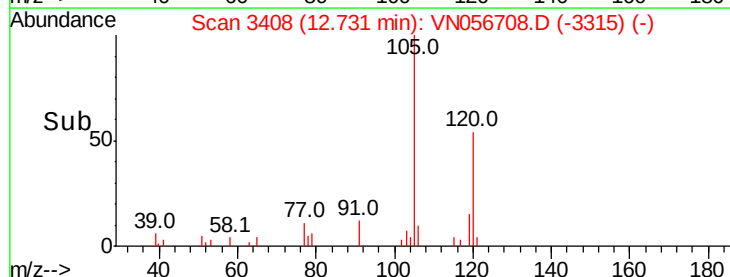


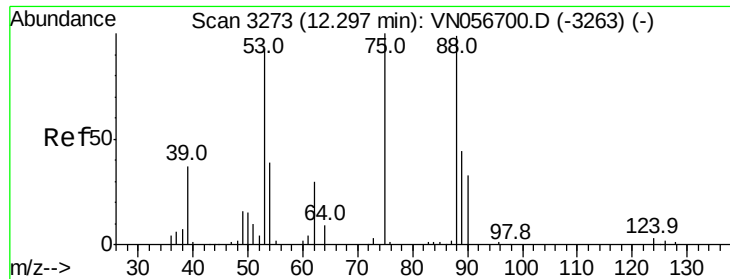
Abundance Ion 105.00 (104.70 to 105.70): VN056708.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN056708.D (-3391) (-)

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 0.804 ug/l m

RT: 12.30 min Scan# 3275

Delta R.T. 0.01 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

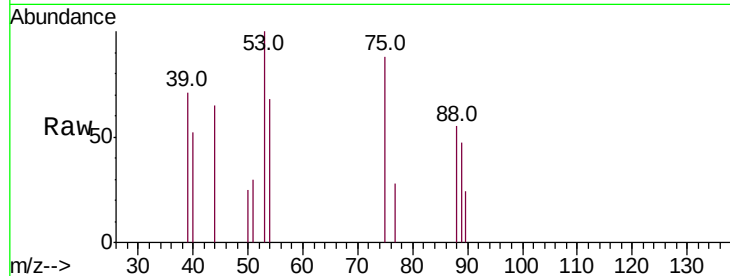
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	75	Resp:	810
Ion	Ratio	Lower	Upper
75	100		
53	0.0	73.7	110.5#
89	0.0	36.2	54.2#

Manual Integrations
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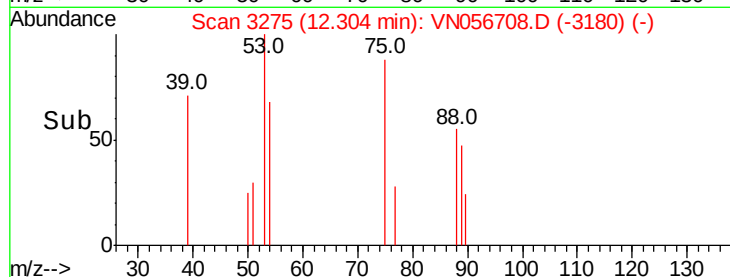


Abundance Ion 74.90 (74.60 to 75.60): VN056700.D (-3263) (-)

Ion 53.00 (52.70 to 53.70): VN056700.D (-3263) (-)

Ion 88.90 (88.60 to 89.60): VN056700.D (-3263) (-)

Time-->

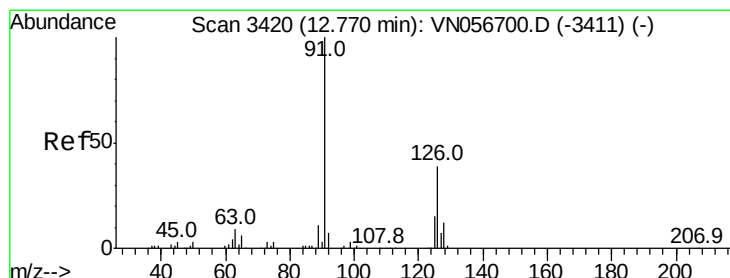


Abundance Ion 74.90 (74.60 to 75.60): VN056708.D (-3180) (-)

Ion 53.00 (52.70 to 53.70): VN056708.D (-3180) (-)

Ion 88.90 (88.60 to 89.60): VN056708.D (-3180) (-)

Time-->



#82

4-Chlorotoluene

Concen: 1.137 ug/l

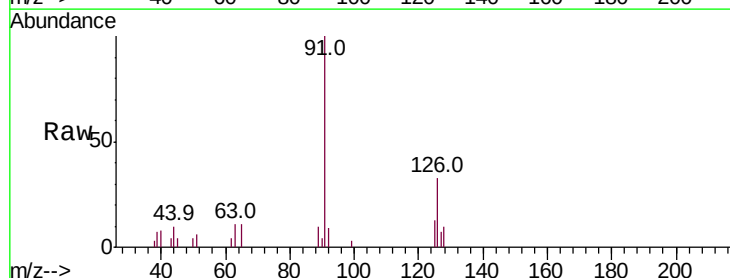
RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

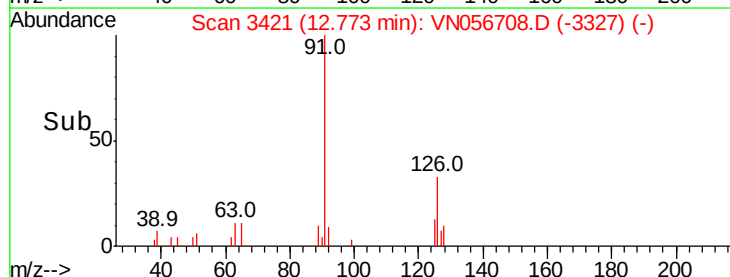
Tgt Ion:	91	Resp:	8496
Ion	Ratio	Lower	Upper
91	100		
126	30.5	17.6	52.8



Abundance Ion 91.00 (90.70 to 91.70): VN056700.D (-3411) (-)

Ion 125.90 (125.60 to 126.60): VN056700.D (-3411) (-)

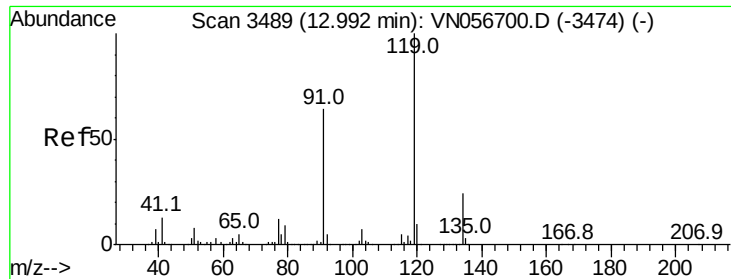
Time-->



Abundance Ion 91.00 (90.70 to 91.70): VN056708.D (-3327) (-)

Ion 125.90 (125.60 to 126.60): VN056708.D (-3327) (-)

Time-->



#83

tert-Butylbenzene

Concen: 1.115 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

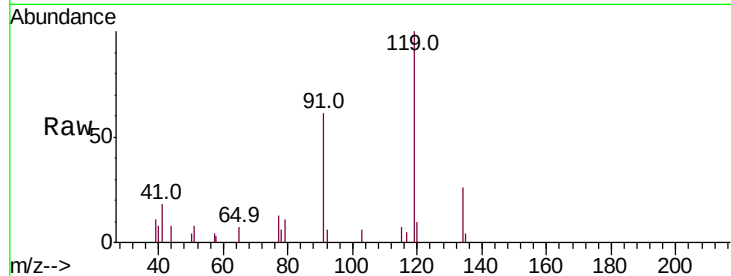
ClientSampleId :

LOQ-WATER-02-QT3-2019

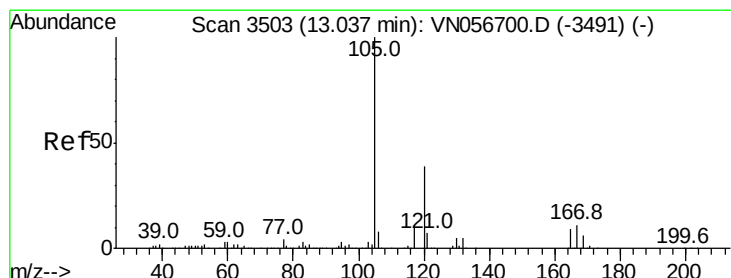
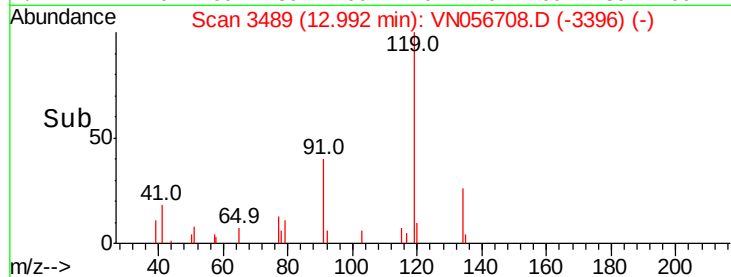
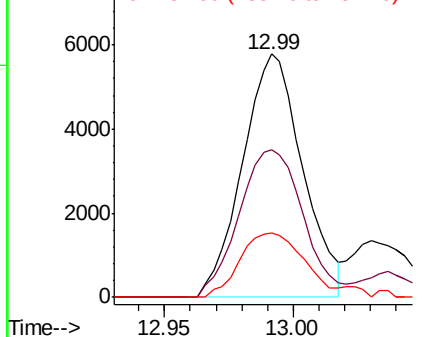
Tot Ion:	119	Resp:	9428
Ion Ratio	Lower	Upper	
119	100		
91	64.7	31.8	95.4
134	28.0	13.0	38.9

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.054 ug/l

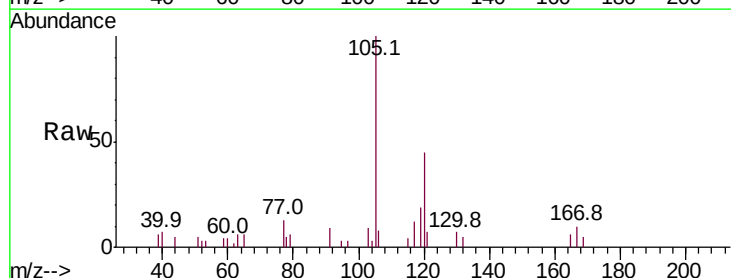
RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

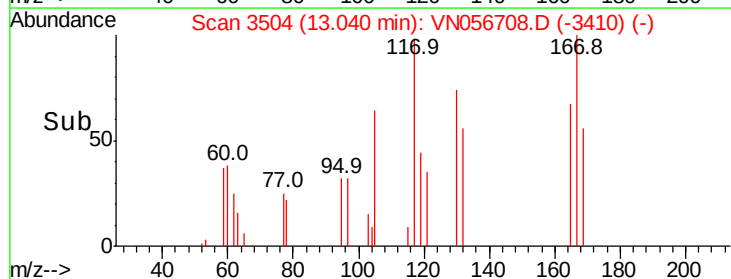
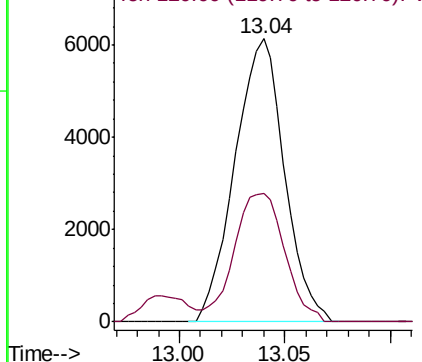
Lab File: VN056708.D

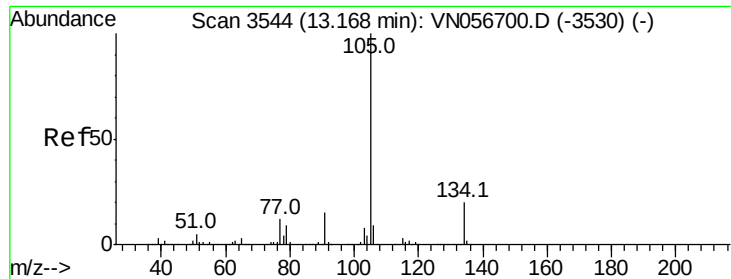
Acq: 15 Jul 2019 13:43

Tgt Ion:	105	Resp:	10006
Ion Ratio	Lower	Upper	
105	100		
120	46.7	22.9	68.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.121 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:105 Resp: 12109

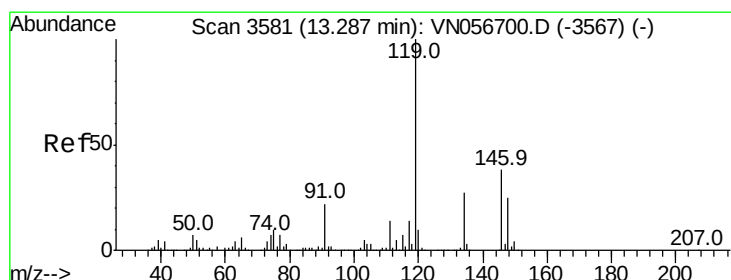
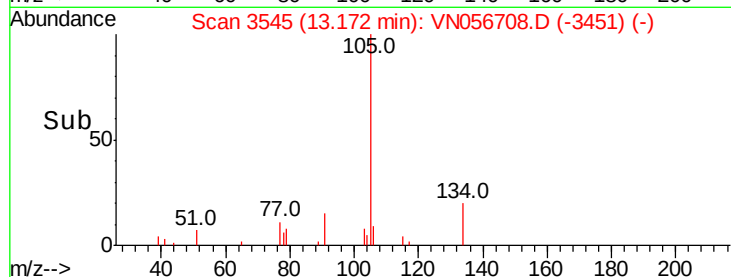
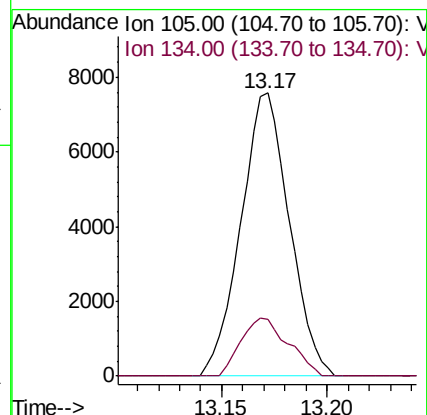
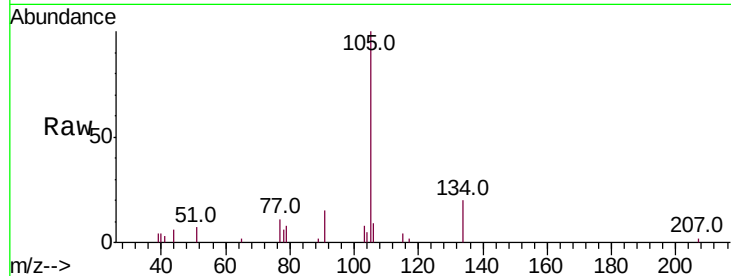
Ion Ratio Lower Upper

105 100

134 20.0 10.1 30.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 1.036 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

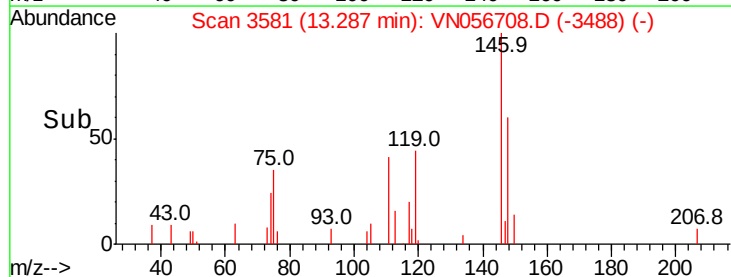
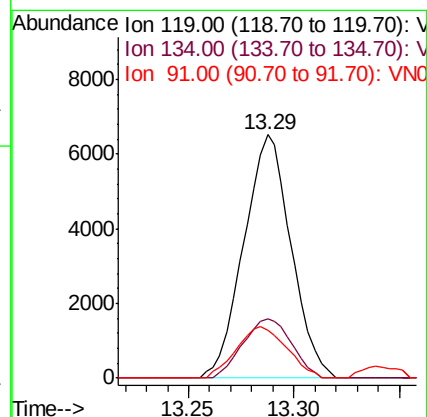
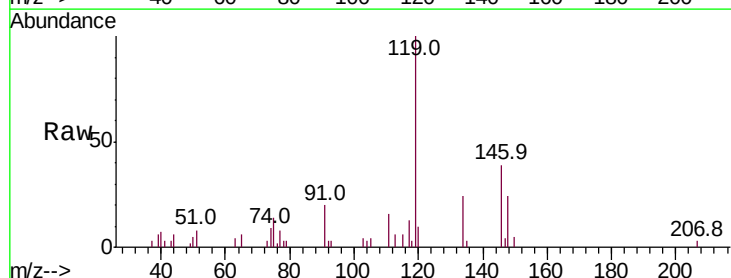
Tgt Ion:119 Resp: 10138

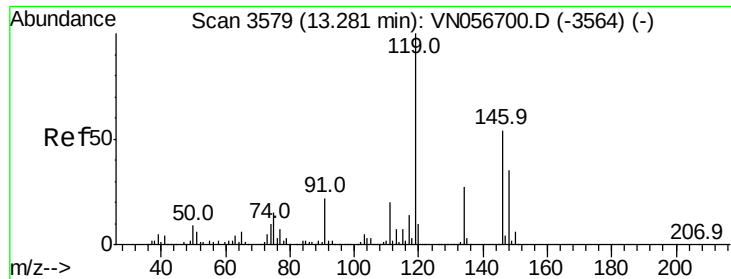
Ion Ratio Lower Upper

119 100

134 25.0 13.6 40.7

91 22.4 11.2 33.5





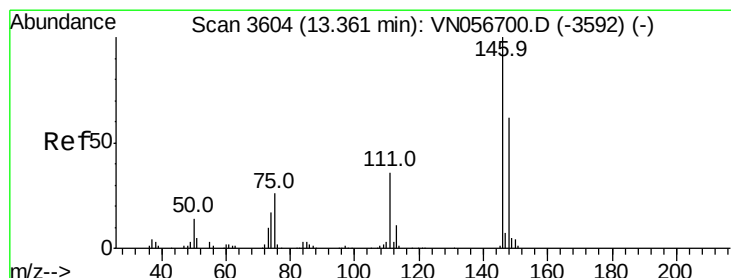
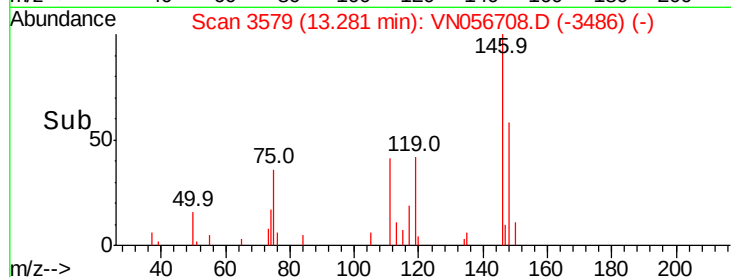
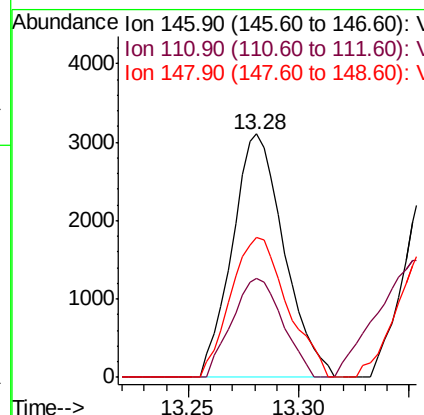
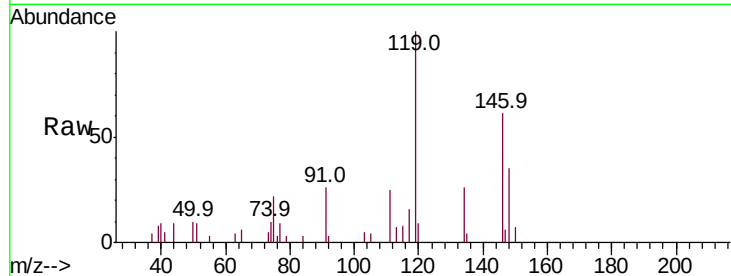
#87
 1,3-Dichlorobenzene
 Concen: 1.031 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.8	56.3
148	62.5	32.3	96.8

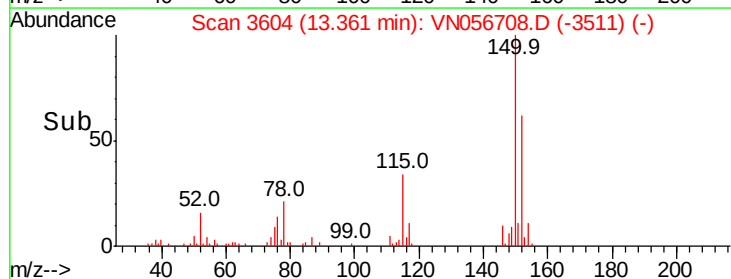
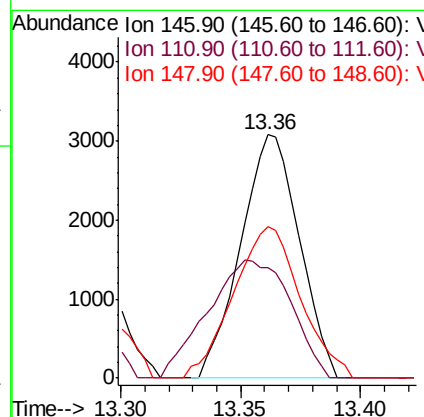
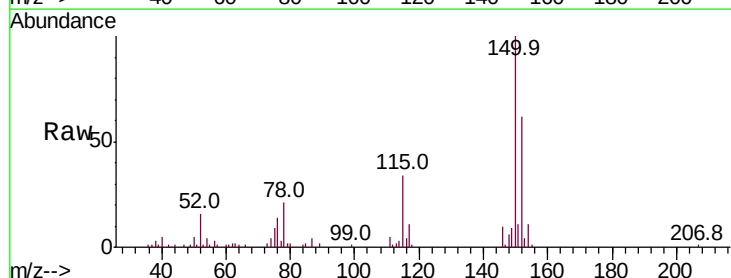
Manual Integrations
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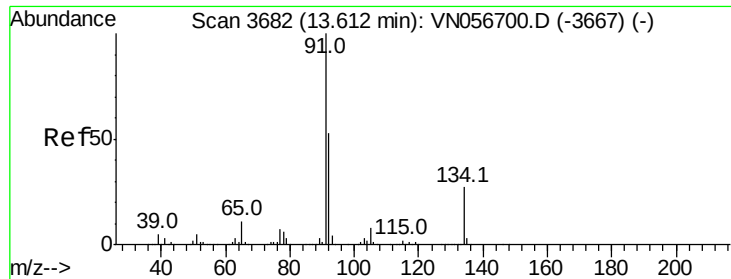
MMDadoda
 7/17/2019 1:31:34 AM



#88
 1,4-Dichlorobenzene
 Concen: 1.097 ug/l m
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.8
148	60.4	31.9	95.7





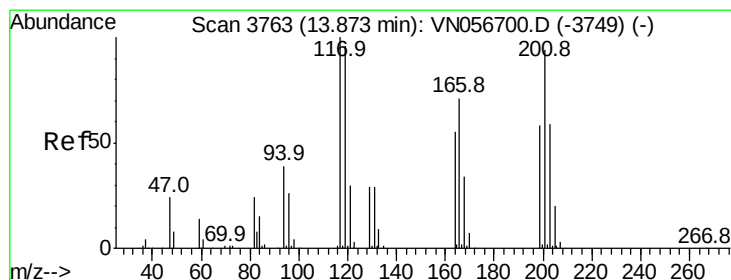
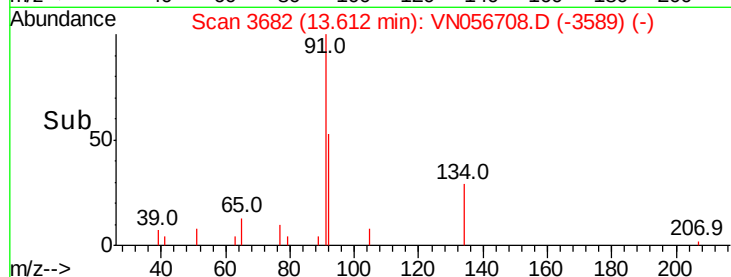
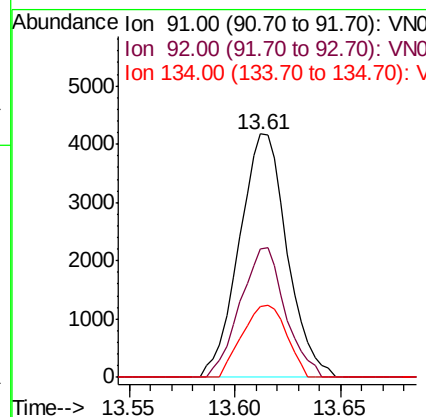
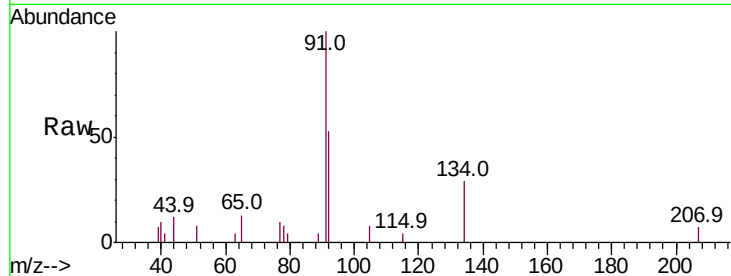
#89
n-Butylbenzene
Concen: 0.836 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.1	26.0	78.0
134	27.5	13.4	40.2

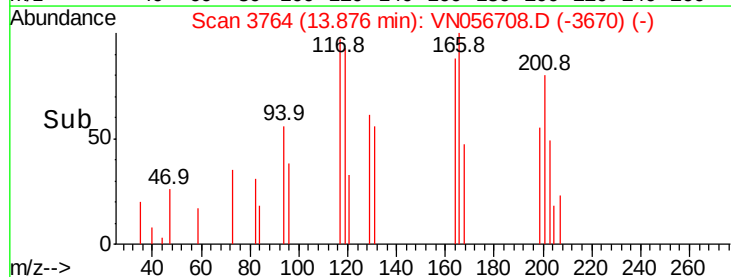
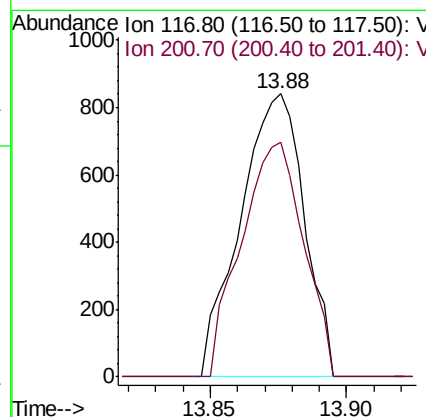
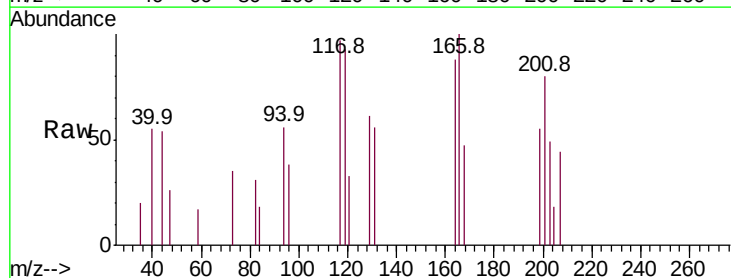
Manual Integrations
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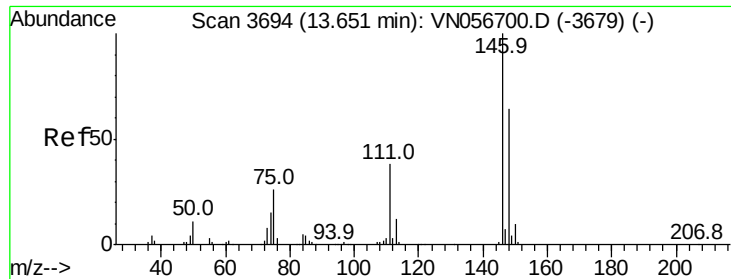
MMDadoda
7/17/2019 1:31:34 AM



#90
Hexachloroethane
Concen: 0.865 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.8	46.5	139.5





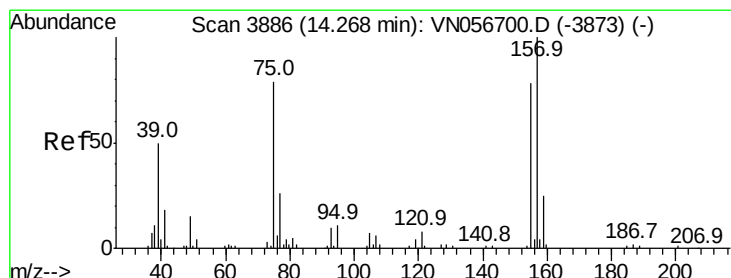
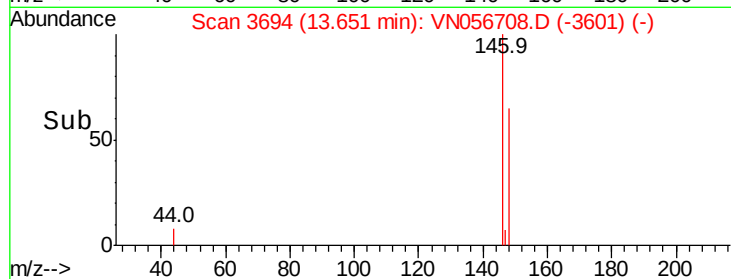
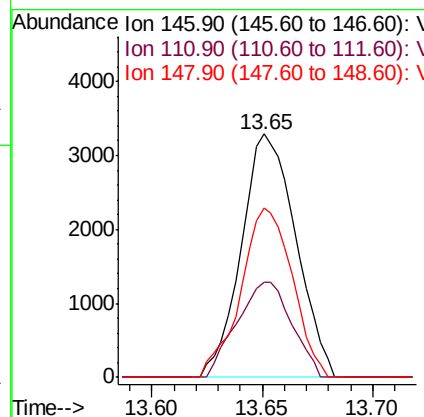
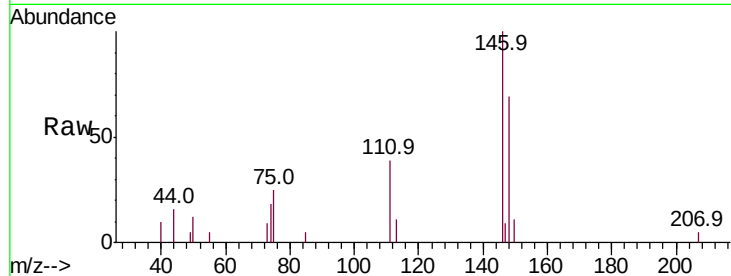
#91
 1,2-Dichlorobenzene
 Concen: 1.121 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.1	57.1
148	65.8	31.7	95.1

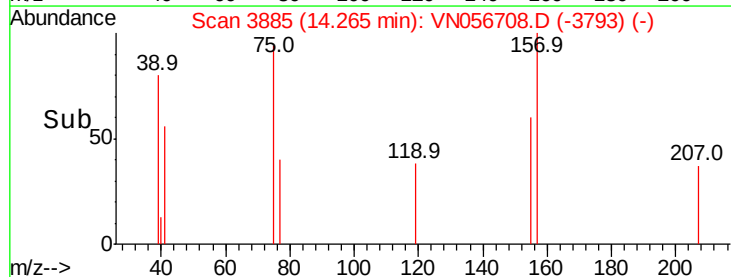
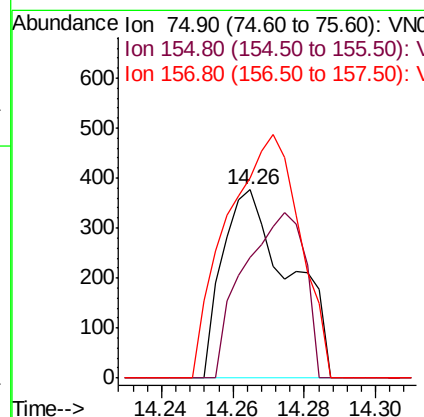
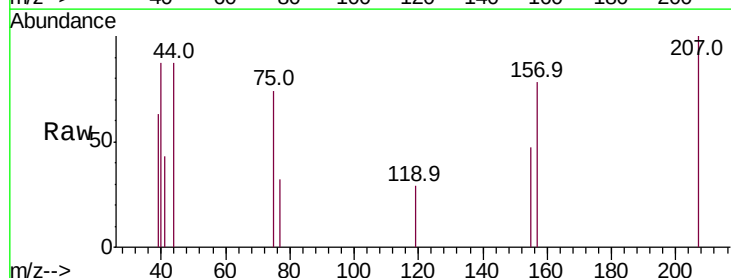
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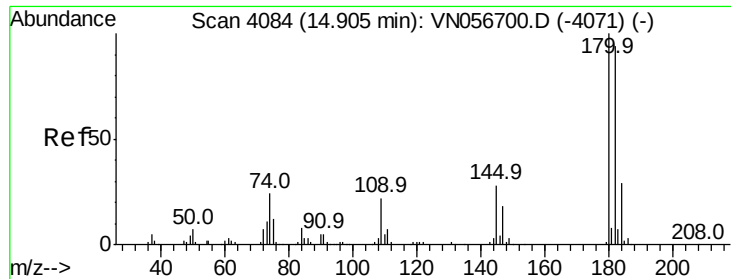
MMDadoda
 7/17/2019 1:31:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.795 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.2	49.3	147.9
157	140.5	62.4	187.1





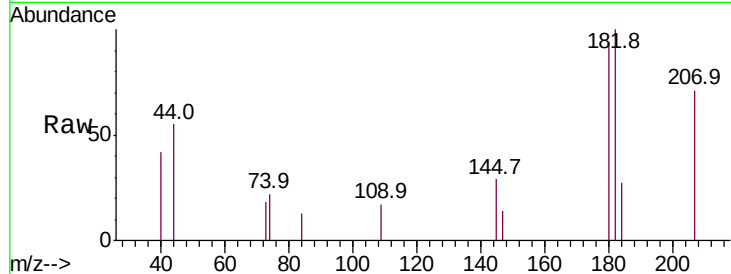
#93
 1,2,4-Trichlorobenzene
 Concen: 0.788 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

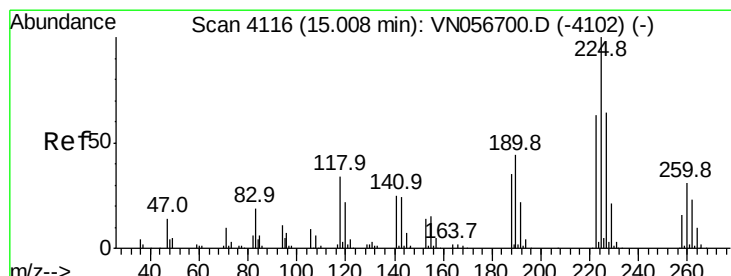
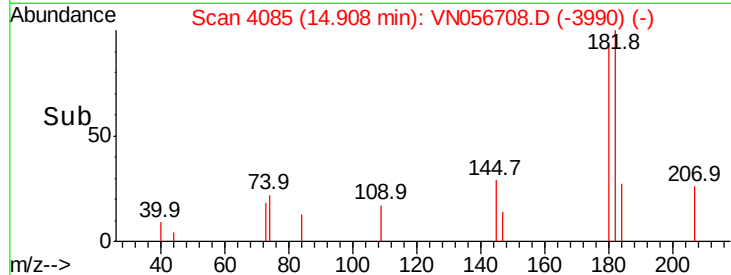
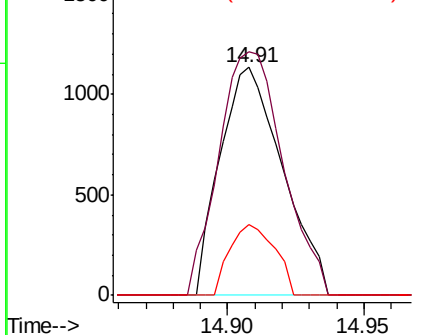
Tot Ion	Ratio	Lower	Upper
180	100		
182	109.7	47.2	141.6
145	22.1	14.2	42.8

Manual Integrations
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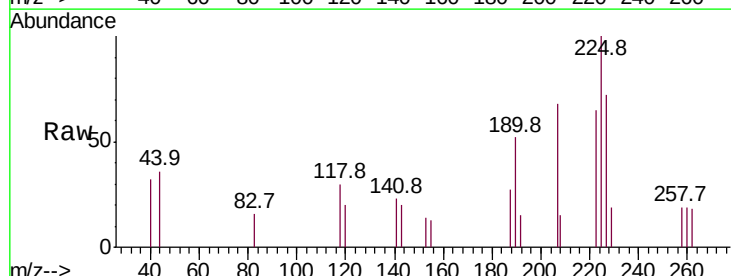


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

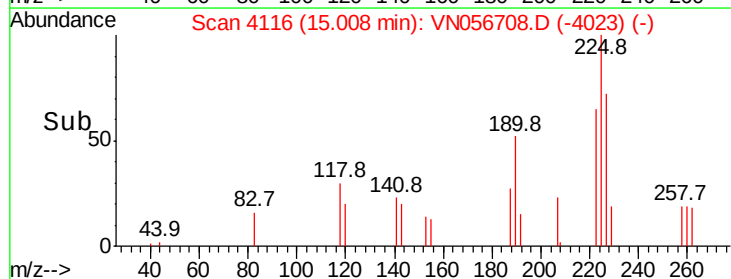
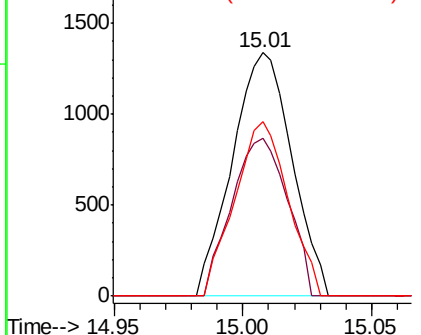


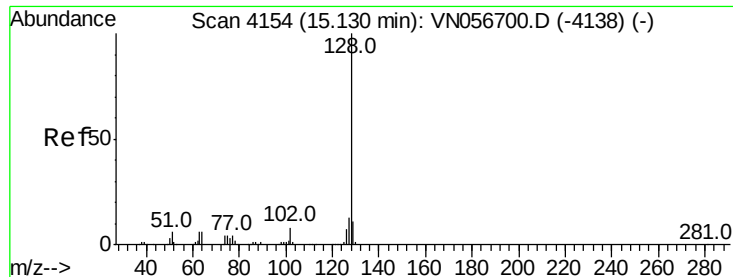
#94
 Hexachlorobutadiene
 Concen: 1.202 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	31.5	94.5
227	64.2	32.0	96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.749 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

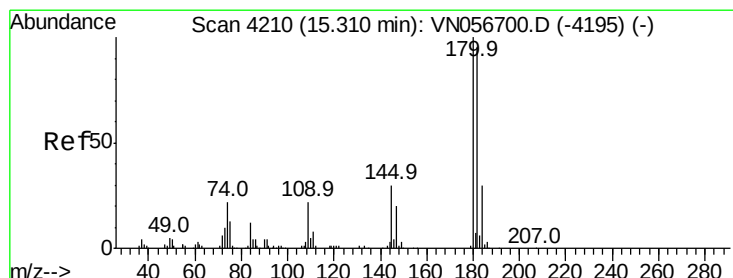
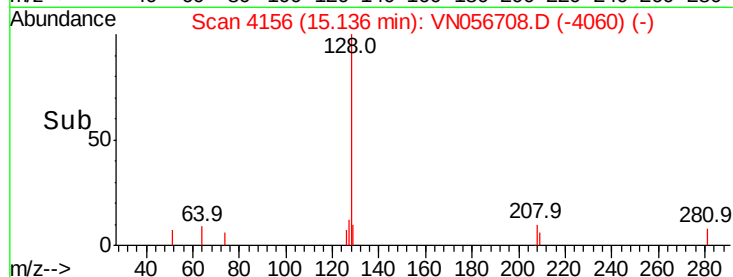
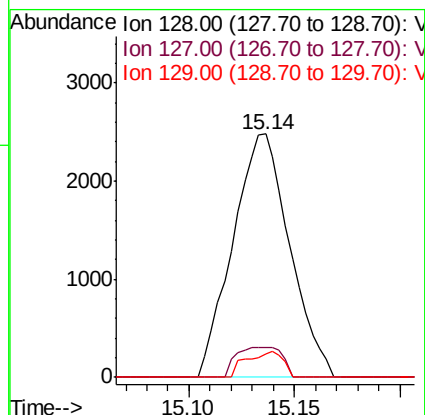
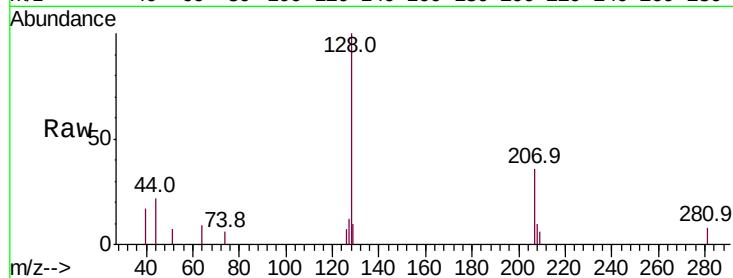
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.0	10.3	15.5#
129	6.9	8.7	13.1#

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#96

1,2,3-Trichlorobenzene

Concen: 0.862 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.6	47.1	141.3
145	28.2	15.0	45.1

