

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
 Data File : VN054945.D
 Acq On : 4 Apr 2019 14:14
 Operator : JC/SP
 Sample : K2241-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 1:43:46 PM

Quant Time: Apr 05 15:56:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 15:50:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	426785	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	710798	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	605150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	199933	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	300552	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
35) Dibromofluoromethane	7.59	113	235351	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	10.09	98	887862	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
62) 4-Bromofluorobenzene	12.40	95	257738	43.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	2922	0.573	ug/l	97
3) Chloromethane	2.06	50	4709	0.698	ug/l	93
4) Vinyl Chloride	2.19	62	3808	0.646	ug/l	99
5) Bromomethane	2.58	94	4500	1.337	ug/l	88
6) Chloroethane	2.71	64	2014	0.613	ug/l	92
7) Trichlorofluoromethane	3.03	101	4524	0.632	ug/l #	82
8) Diethyl Ether	3.42	74	1311	0.575	ug/l	53
9) 1,1,2-Trichlorotrifluoroet	3.75	101	2703	0.713	ug/l #	52
10) Methyl Iodide	3.94	142	9924	1.856	ug/l	99
11) Tert butyl alcohol	4.83	59	4090m	14.085	ug/l	
12) 1,1-Dichloroethene	3.73	96	2519m	0.670	ug/l	
13) Acrolein	3.61	56	3148	7.905	ug/l	89
14) Allyl chloride	4.32	41	5143	0.616	ug/l #	32
15) Acrylonitrile	5.00	53	5168m	2.968	ug/l	
16) Acetone	3.82	43	5751	3.571	ug/l #	89
17) Carbon Disulfide	4.04	76	8887	0.742	ug/l	100
18) Methyl Acetate	4.34	43	5202	1.242	ug/l #	76
19) Methyl tert-butyl Ether	5.06	73	6949	0.569	ug/l	98
20) Methylene Chloride	4.55	84	4821	0.923	ug/l #	80
21) trans-1,2-Dichloroethene	5.03	96	3013	0.641	ug/l #	78
22) Diisopropyl ether	5.96	45	10657	0.621	ug/l	91
23) Vinyl Acetate	5.91	43	26534	2.224	ug/l	98
24) 1,1-Dichloroethane	5.85	63	5616	0.601	ug/l #	85
25) 2-Butanone	6.87	43	6387	3.023	ug/l	97
26) 2,2-Dichloropropane	6.83	77	3775m	0.576	ug/l	
27) cis-1,2-Dichloroethene	6.84	96	3196	0.600	ug/l	90
28) Bromochloromethane	7.19	49	2853	0.651	ug/l #	99
29) Tetrahydrofuran	7.23	42	4500	3.249	ug/l #	82
30) Chloroform	7.38	83	5577	0.629	ug/l	91
31) Cyclohexane	7.66	56	14691	1.376	ug/l #	25
32) 1,1,1-Trichloroethane	7.57	97	4138m	0.553	ug/l	
36) 1,1-Dichloropropene	7.80	75	4221m	0.599	ug/l	
37) Ethyl Acetate	6.95	43	2454	0.508	ug/l #	85
38) Carbon Tetrachloride	7.78	117	4727	0.695	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	4896	0.632	ug/l	94
40) Benzene	8.04	78	11885	0.586	ug/l	93
41) Methacrylonitrile	7.19	41	1675m	0.606	ug/l	
42) 1,2-Dichloroethane	8.12	62	4375	0.614	ug/l	90
43) Isopropyl Acetate	8.17	43	4942	0.607	ug/l #	91
44) Trichloroethene	8.84	130	3387	0.654	ug/l	85
45) 1,2-Dichloropropane	9.12	63	3328	0.589	ug/l	91
46) Dibromomethane	9.21	93	2007	0.627	ug/l	97
47) Bromodichloromethane	9.40	83	3490	0.519	ug/l #	98
48) Methyl methacrylate	9.20	41	3093	0.750	ug/l #	68
49) 1,4-Dioxane	9.20	88	443m	10.644	ug/l	
51) 4-Methyl-2-Pentanone	9.99	43	13448	2.959	ug/l	91
52) Toluene	10.15	92	6807	0.570	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	3337	0.538	ug/l #	70
54) cis-1,3-Dichloropropene	9.84	75	4115	0.544	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	2604	0.601	ug/l	92
56) Ethyl methacrylate	10.43	69	3400	0.600	ug/l #	75
57) 1,3-Dichloropropane	10.71	76	4512	0.597	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.70	63	5045	2.255	ug/l	99
59) 2-Hexanone	10.76	43	7089	2.498	ug/l	96
60) Dibromochloromethane	10.90	129	2191	0.483	ug/l	99
61) 1,2-Dibromoethane	11.01	107	2630	0.646	ug/l #	78
64) Tetrachloroethene	10.63	164	2831	0.580	ug/l	92
65) Chlorobenzene	11.43	112	7790	0.632	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.51	131	2615	0.579	ug/l #	64
67) Ethyl Benzene	11.51	91	13082	0.588	ug/l	95
68) m/p-Xylenes	11.62	106	8843	1.088	ug/l	91
69) o-Xylene	11.95	106	4383	0.553	ug/l	99
70) Styrene	11.97	104	7028	0.553	ug/l	96
71) Bromoform	12.13	173	1227	0.452	ug/l #	29
73) Isopropylbenzene	12.25	105	12230	0.724	ug/l	94
74) N-amyl acetate	12.08	43	3552	0.757	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	3092	0.745	ug/l #	93
76) 1,2,3-Trichloropropane	12.55	75	2219m	0.617	ug/l	
77) Bromobenzene	12.53	156	3006	0.735	ug/l	93
78) n-propylbenzene	12.59	91	13454	0.723	ug/l	97
79) 2-Chlorotoluene	12.68	91	8662	0.751	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	9649	0.696	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	565m	0.653	ug/l	
82) 4-Chlorotoluene	12.77	91	8518	0.781	ug/l	95
83) tert-Butylbenzene	12.99	119	8382	0.710	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	9223	0.687	ug/l	98
85) sec-Butylbenzene	13.17	105	11303	0.741	ug/l	96
86) p-Isopropyltoluene	13.29	119	8886	0.676	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	5393	0.793	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	4726m	0.730	ug/l	
89) n-Butylbenzene	13.62	91	7809	0.743	ug/l	95
90) Hexachloroethane	13.87	117	1237	0.560	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	4638	0.694	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	207	0.358	ug/l	78

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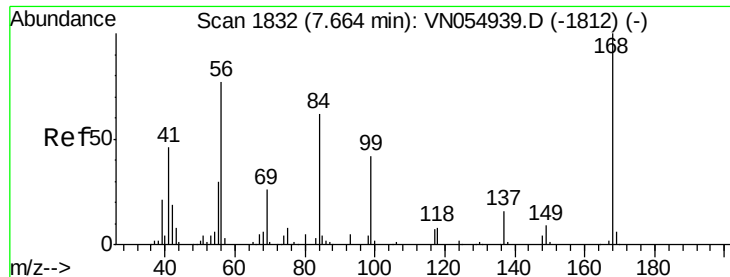
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2132	0.717	ug/l	92
94) Hexachlorobutadiene	15.01	225	2468	1.104	ug/l	76
95) Naphthalene	15.13	128	4197	0.644	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.31	180	3589	1.170	ug/l	86

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

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Tgt Ion:168 Resp: 426785

Ion Ratio Lower Upper

168 100

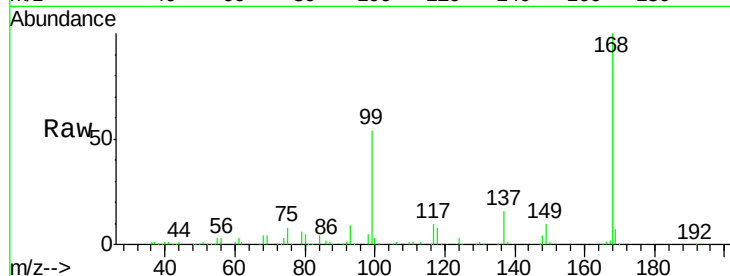
99 54.3 44.1 66.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

100000

50000

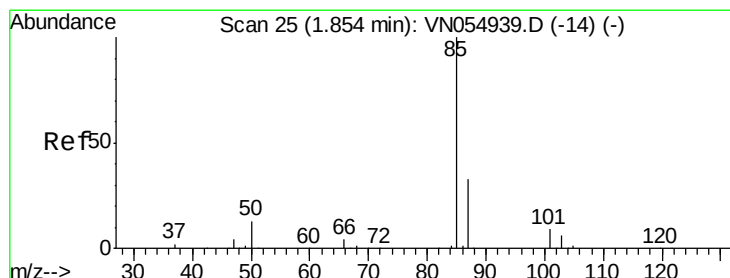
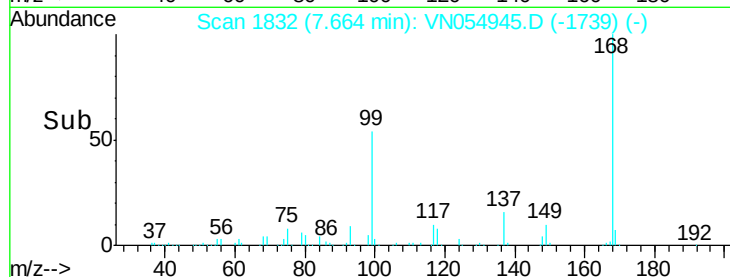
0

7.66

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.573 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054945.D

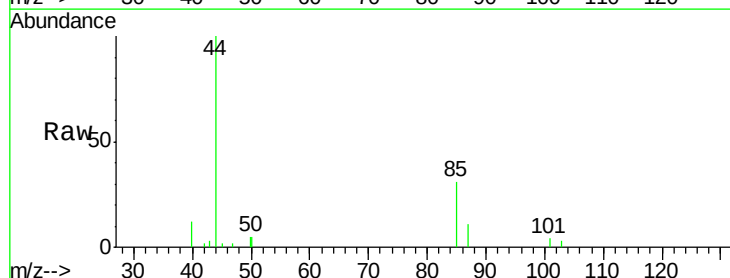
Acq: 4 Apr 2019 14:14

Tgt Ion: 85 Resp: 2922

Ion Ratio Lower Upper

85 100

87 34.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

2500

2000

1500

1000

500

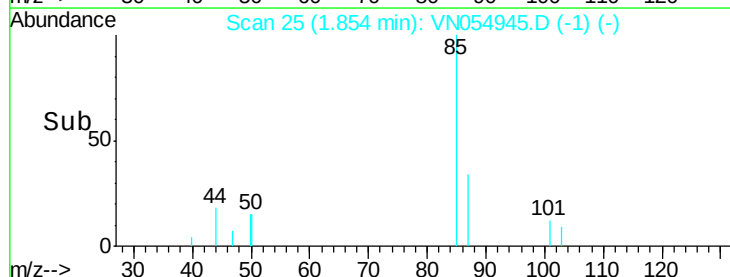
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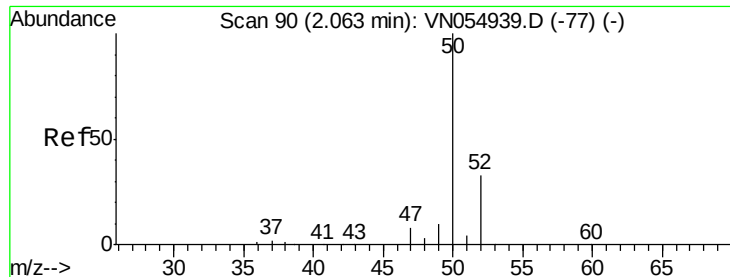
1.85

1.82

1.88

Time-->





#3

Chloromethane

Concen: 0.698 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Instrument :

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LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 50 Resp: 4709

Ion Ratio Lower Upper

50 100

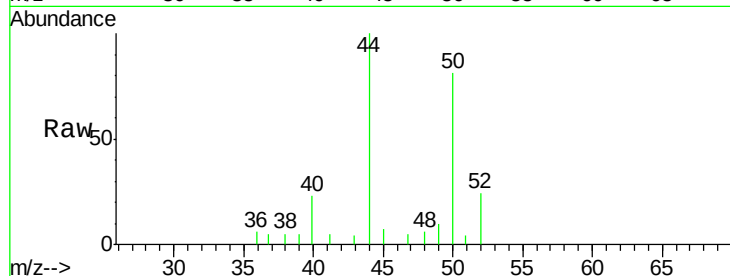
52 29.0 26.2 39.4

Manual Integrations

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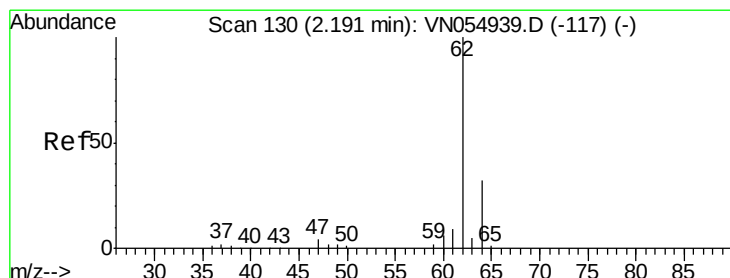
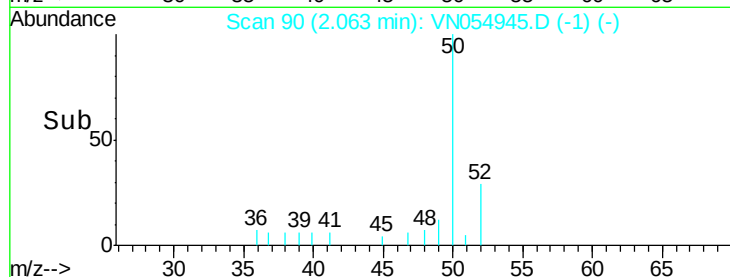
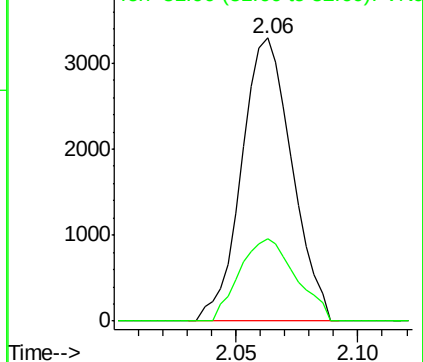
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 0.646 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054945.D

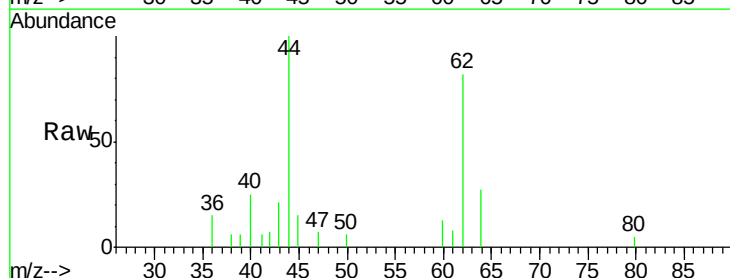
Acq: 4 Apr 2019 14:14

Tgt Ion: 62 Resp: 3808

Ion Ratio Lower Upper

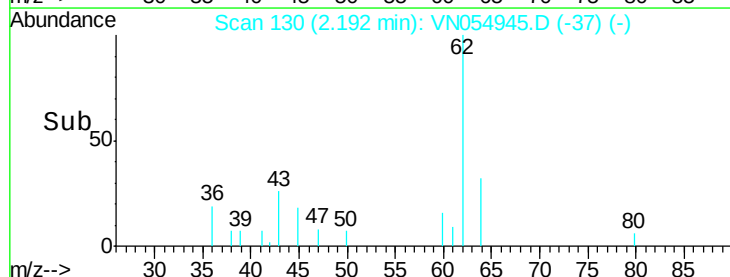
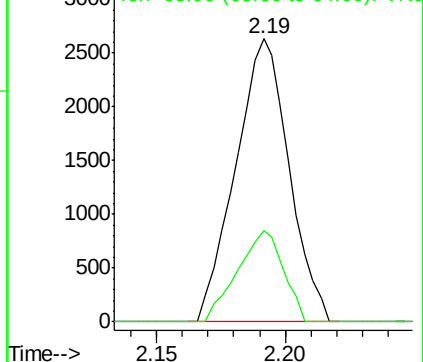
62 100

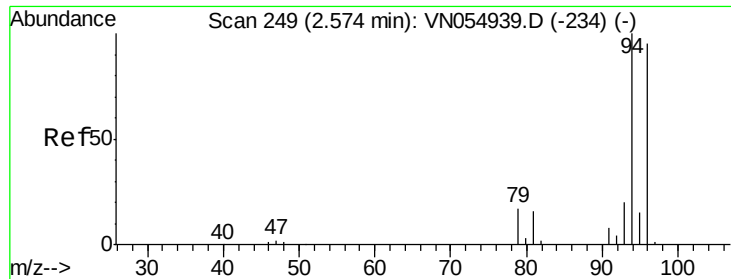
64 32.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 1.337 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

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Tgt Ion: 94 Resp: 4500

Ion Ratio Lower Upper

94 100

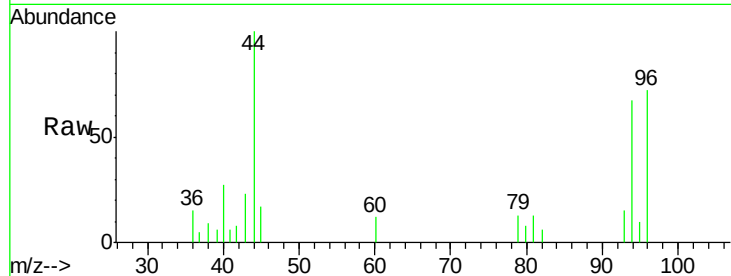
96 106.6 75.7 113.5

Manual Integrations

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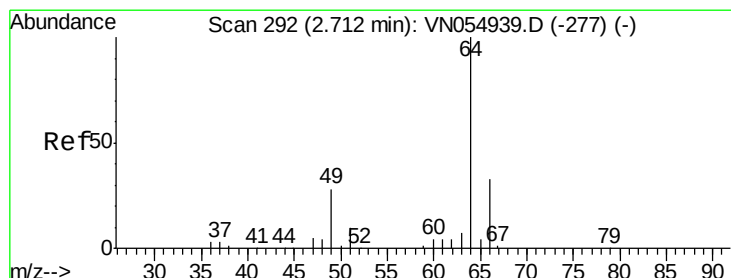
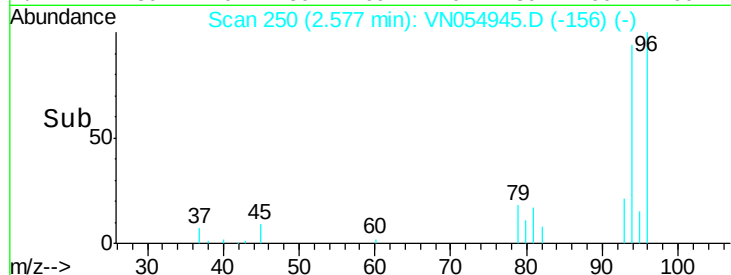
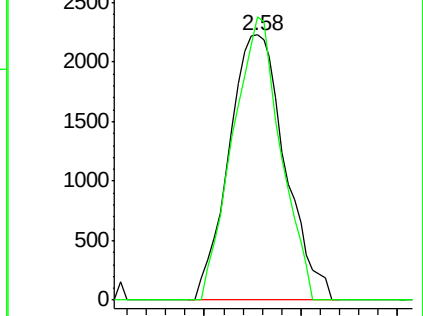
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.613 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054945.D

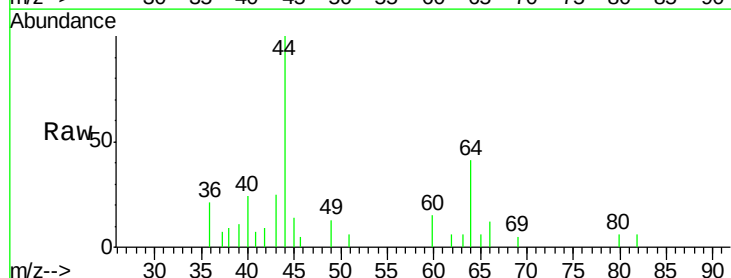
Acq: 4 Apr 2019 14:14

Tgt Ion: 64 Resp: 2014

Ion Ratio Lower Upper

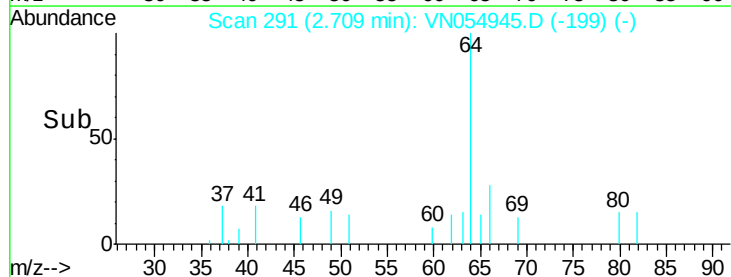
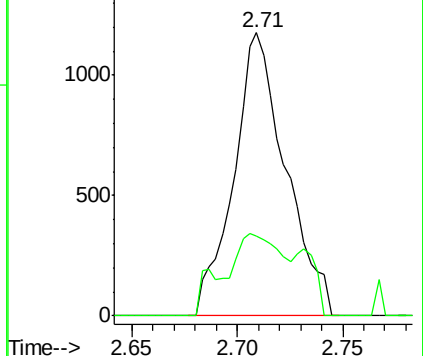
64 100

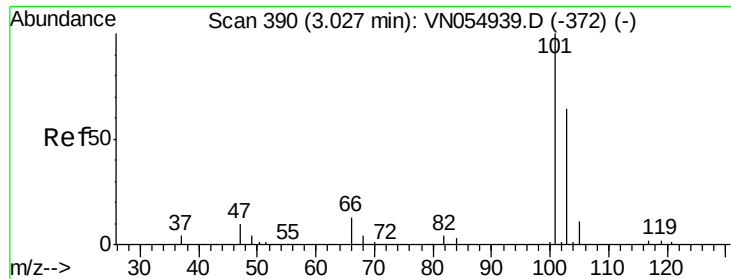
66 28.2 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

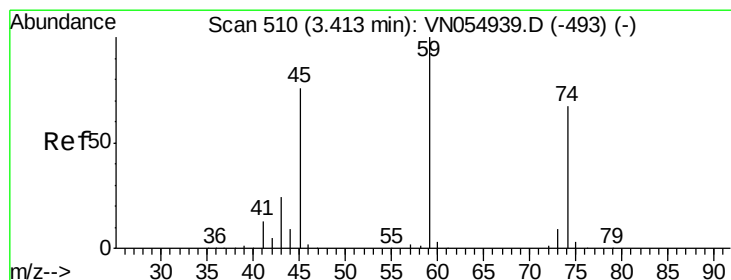
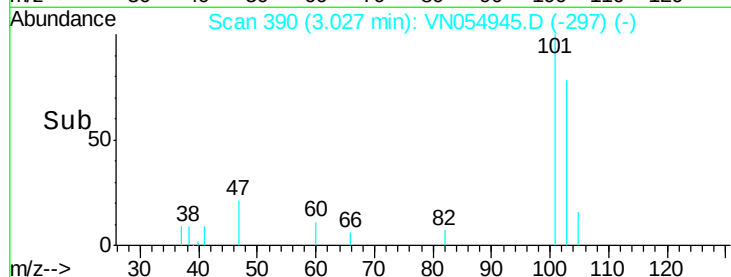
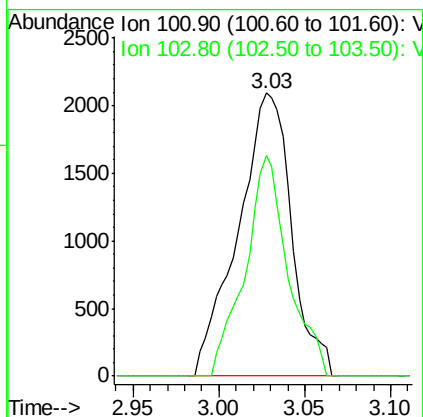
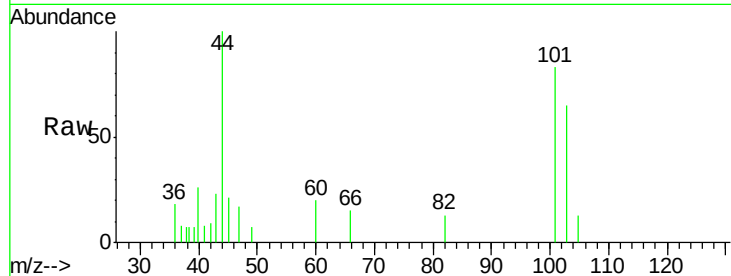
Trichlorofluoromethane
Concen: 0.632 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Instrument :
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Tgt Ion: 101 Resp: 4524
Ion Ratio Lower Upper
101 100
103 78.1 51.3 76.9#

Manual Integrations
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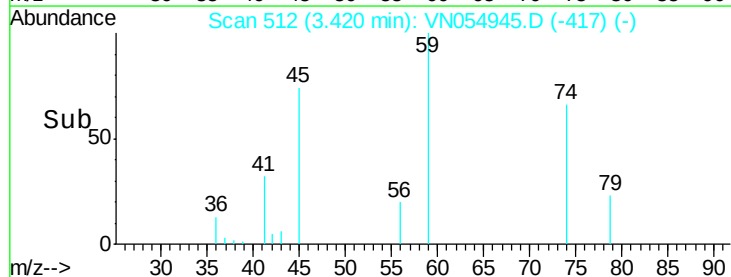
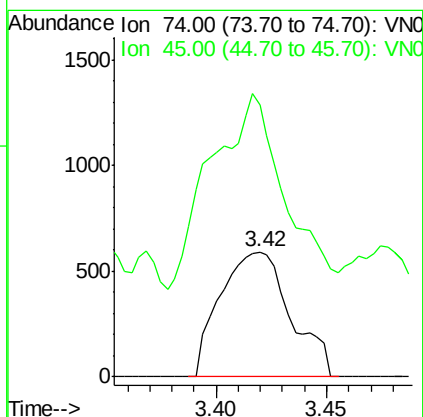
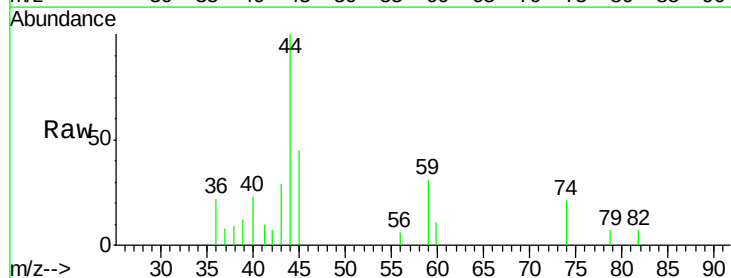
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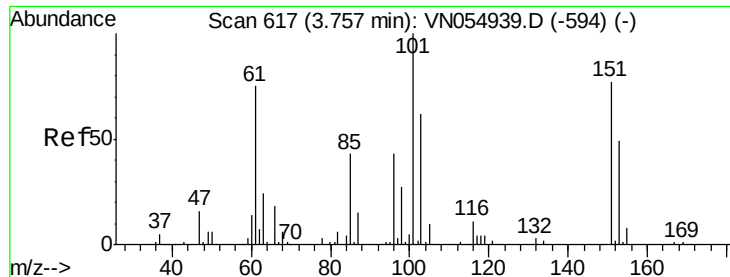


#8

Diethyl Ether
Concen: 0.575 ug/l
RT: 3.42 min Scan# 512
Delta R.T. 0.01 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Tgt Ion: 74 Resp: 1311
Ion Ratio Lower Upper
74 100
45 163.1 56.3 168.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.713 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Instrument :

MSVOA_N

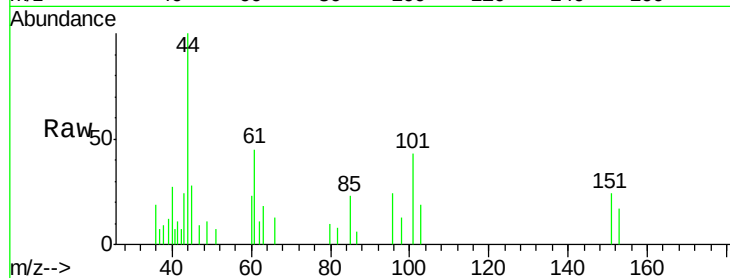
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

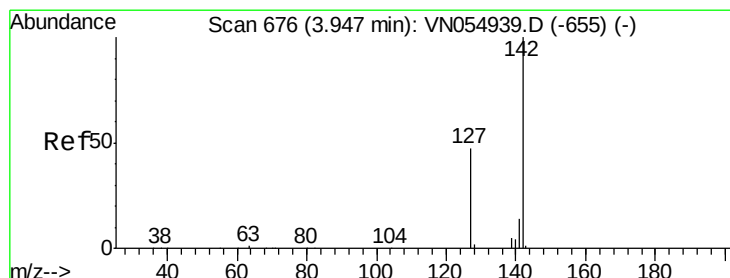
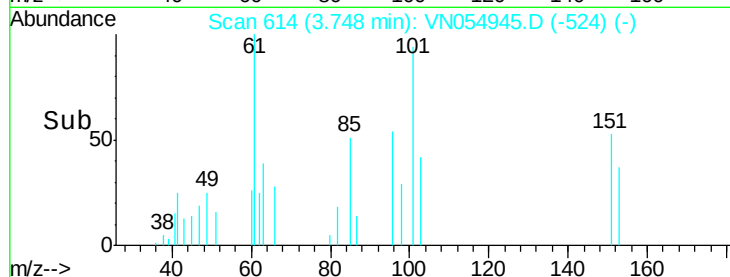
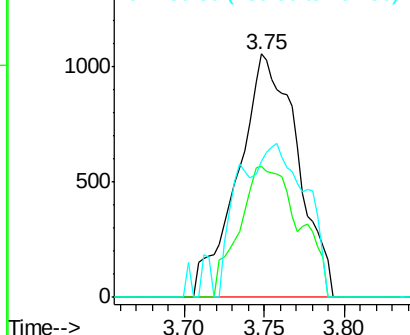
Tgt Ion:	101	Resp:	2703
Ion Ratio	Lower	Upper	
101	100		
85	54.1	36.2	54.2
151	19.6	63.4	95.0#

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 1.856 ug/l

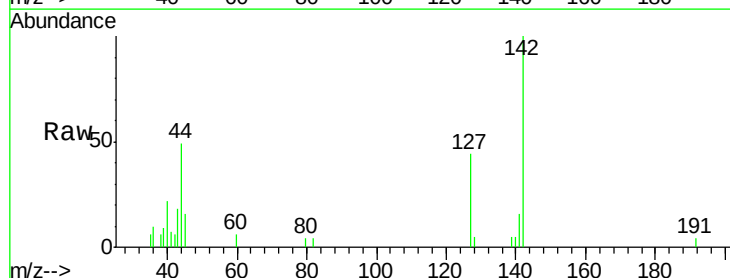
RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

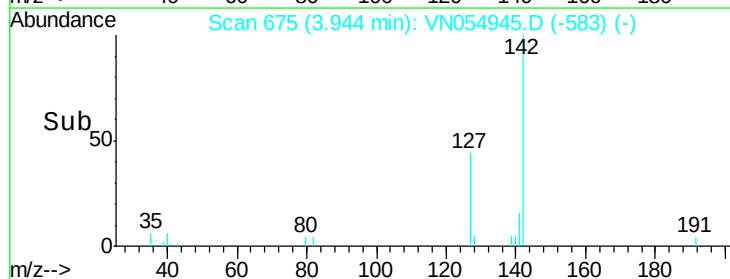
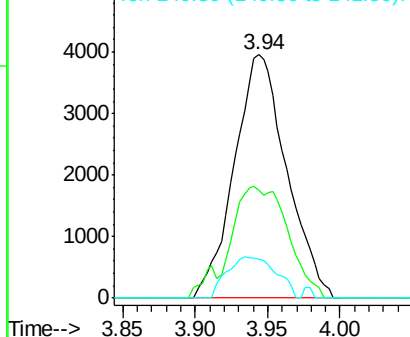
Lab File: VN054945.D

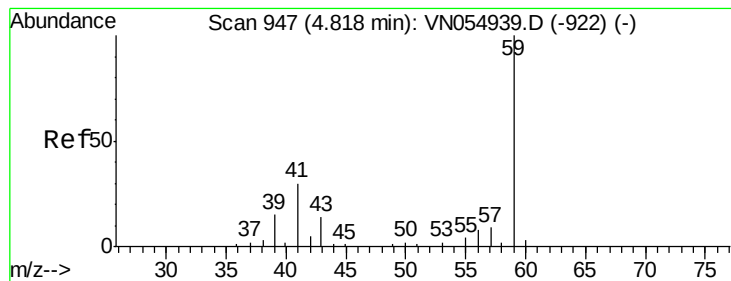
Acq: 4 Apr 2019 14:14

Tgt Ion:	142	Resp:	9924
Ion Ratio	Lower	Upper	
142	100		
127	47.2	38.0	57.0
141	15.8	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

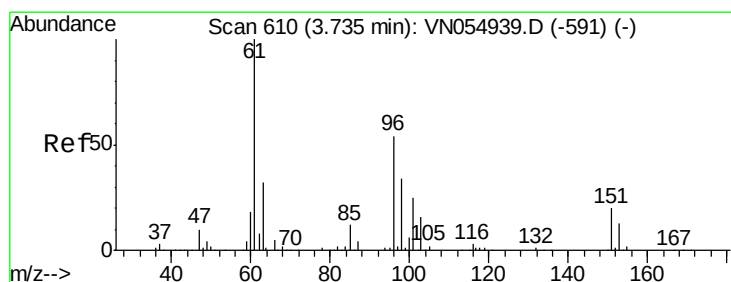
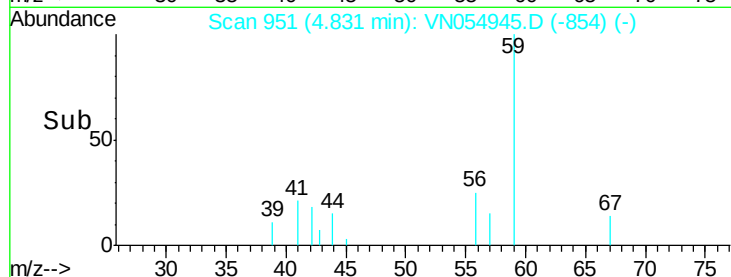
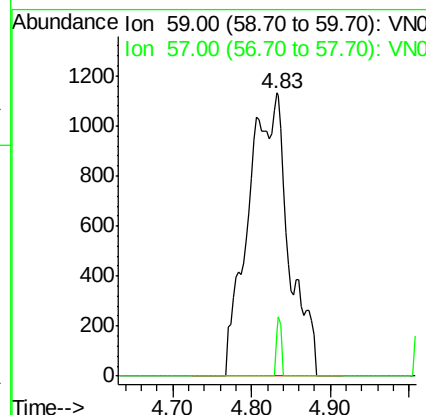
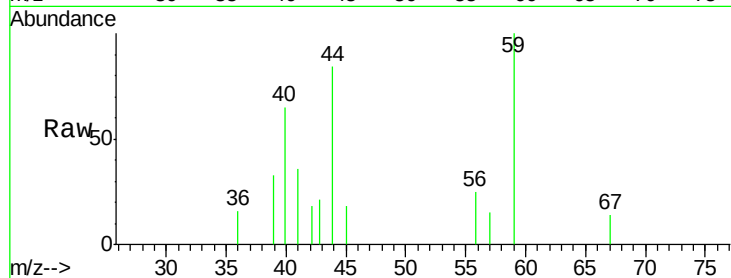
Tert butyl alcohol
 Concen: 14.085 ug/l m
 RT: 4.83 min Scan# 951
 Delta R.T. 0.01 min
 Lab File: VN054945.D
 Acq: 4 Apr 2019 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 59 Resp: 4090
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.0 7.4#

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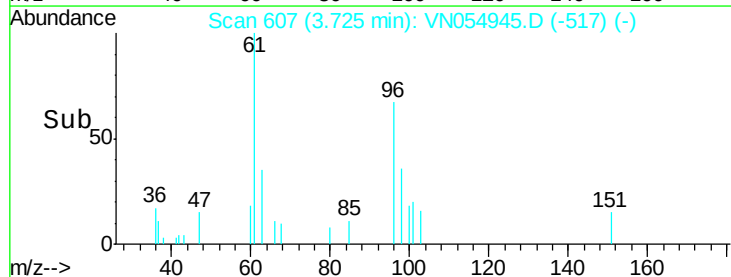
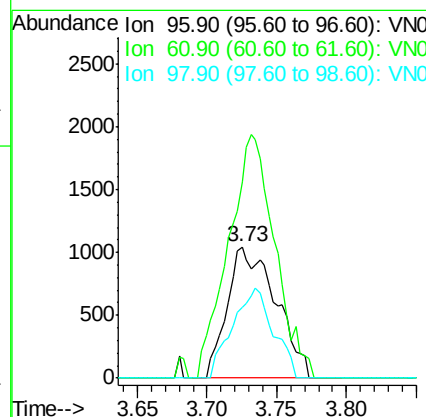
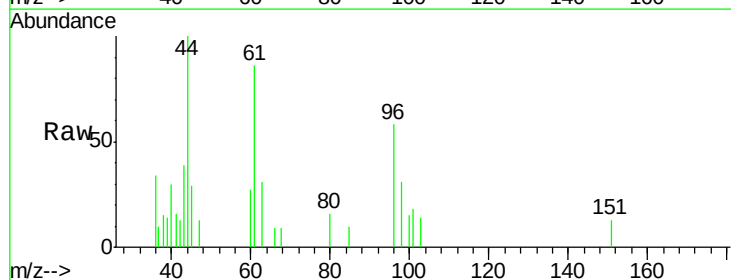
MMDadoda
 4/8/2019 1:43:46 PM

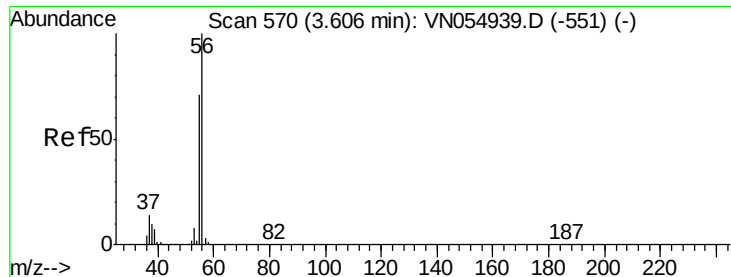


#12

1,1-Dichloroethene
 Concen: 0.670 ug/l m
 RT: 3.73 min Scan# 607
 Delta R.T. -0.01 min
 Lab File: VN054945.D
 Acq: 4 Apr 2019 14:14

Tgt Ion: 96 Resp: 2519
 Ion Ratio Lower Upper
 96 100
 61 150.0 148.2 222.2
 98 54.4 50.2 75.4





#13

Acrolein

Concen: 7.905 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 56 Resp: 3148

Ion Ratio Lower Upper

56 100

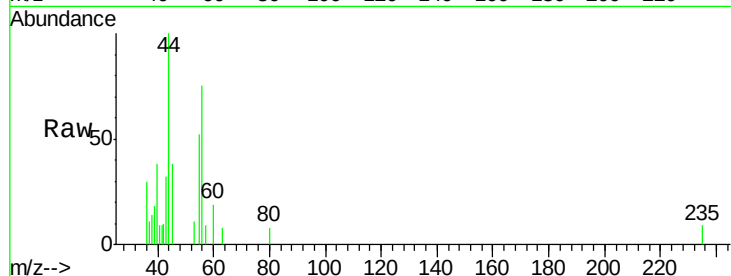
55 82.8 58.6 87.8

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

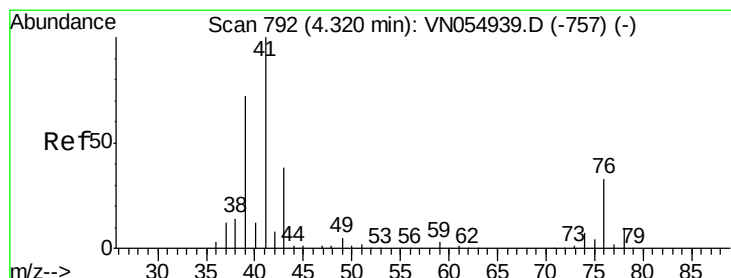
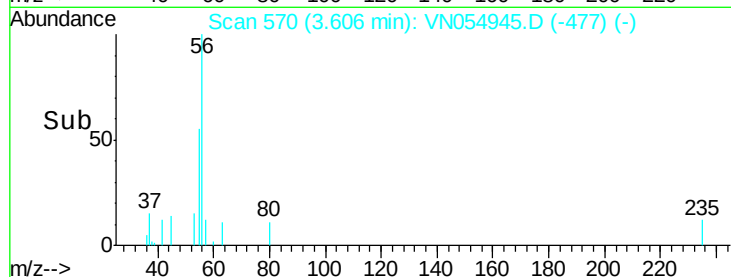
1500

1000

500

0

Time-->



#14

Allyl chloride

Concen: 0.616 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

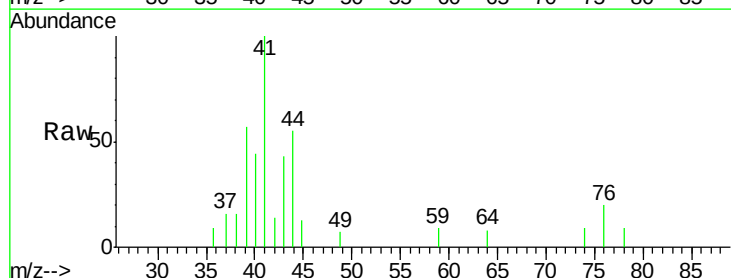
Tgt Ion: 41 Resp: 5143

Ion Ratio Lower Upper

41 100

39 0.0 55.4 83.2#

76 14.8 23.8 35.8#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

2500

2000

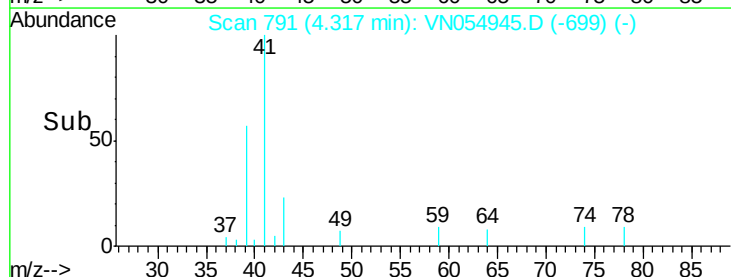
1500

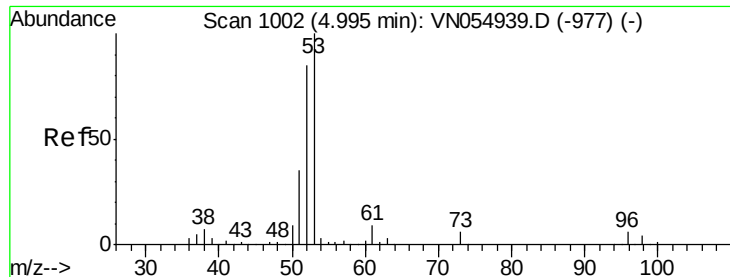
1000

500

0

Time-->





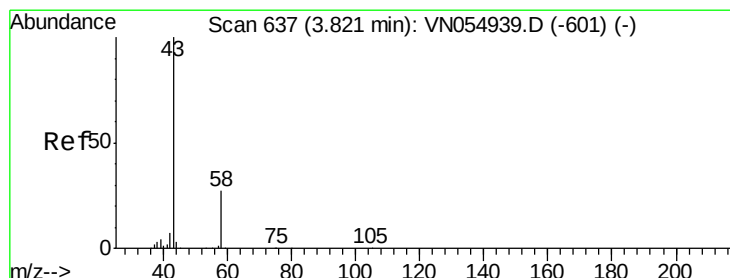
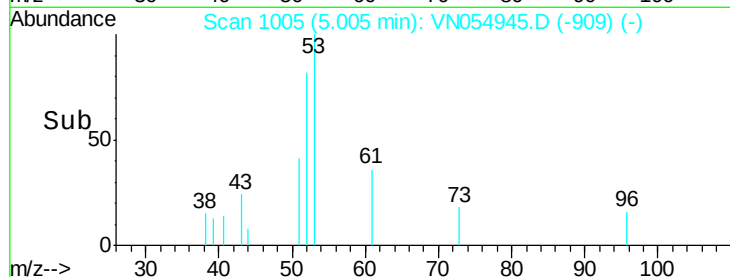
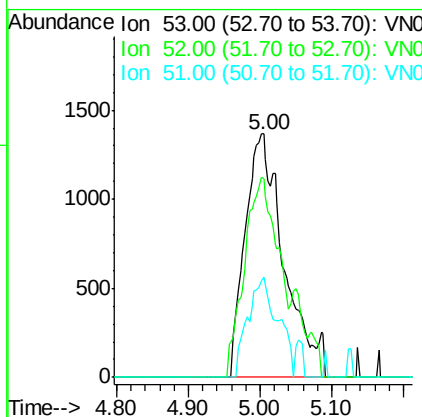
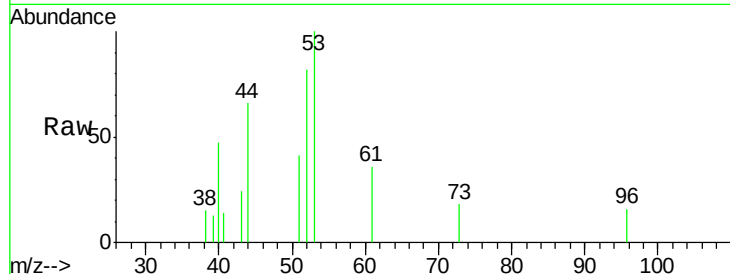
#15
 Acrylonitrile
 Concen: 2.968 ug/l m
 RT: 5.00 min Scan# 1005
 Delta R.T. 0.01 min
 Lab File: VN054945.D
 Acq: 4 Apr 2019 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tgt Ion	Ratio	Lower	Upper
53	100		
52	70.5	66.4	99.6
51	31.7	29.5	44.3

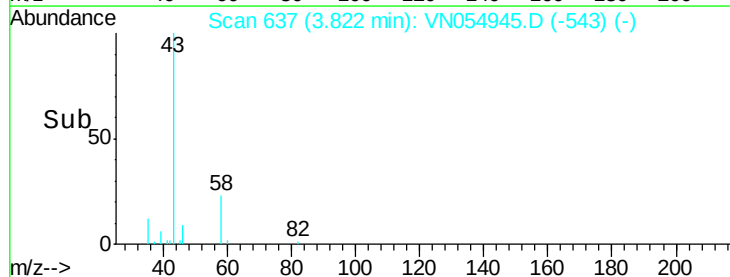
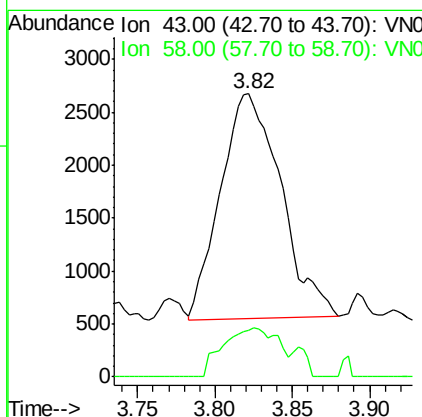
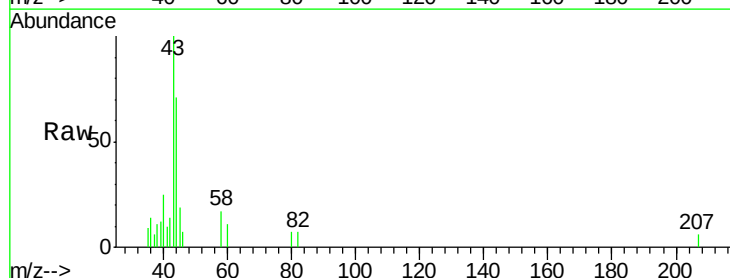
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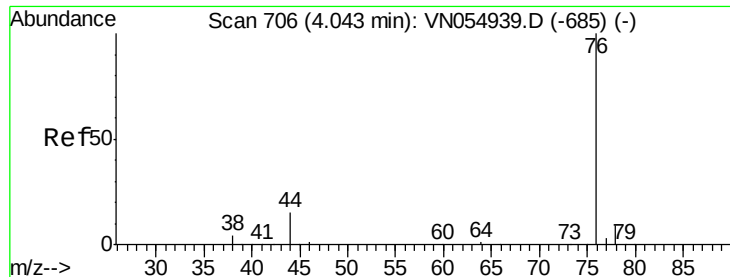
MMDadoda
 4/8/2019 1:43:46 PM



#16
 Acetone
 Concen: 3.571 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN054945.D
 Acq: 4 Apr 2019 14:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	21.2	21.7	32.5#





#17

Carbon Disulfide

Concen: 0.742 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 76 Resp: 8887

Ion Ratio Lower Upper

76 100

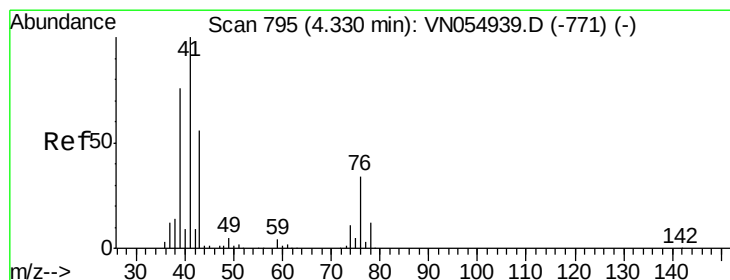
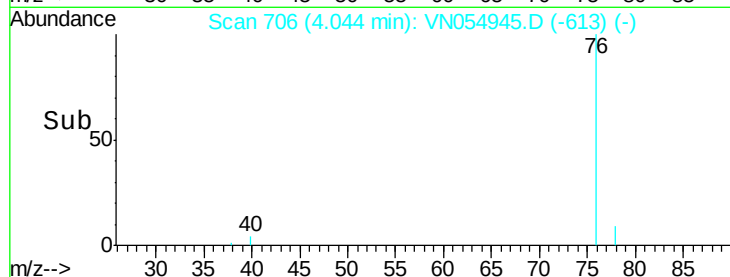
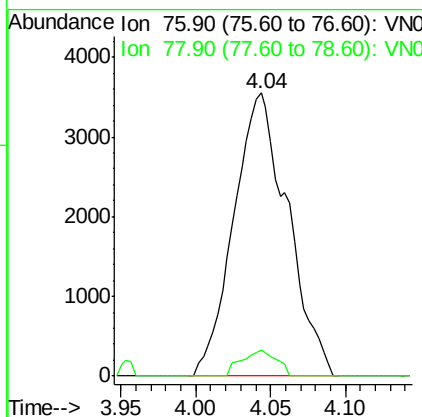
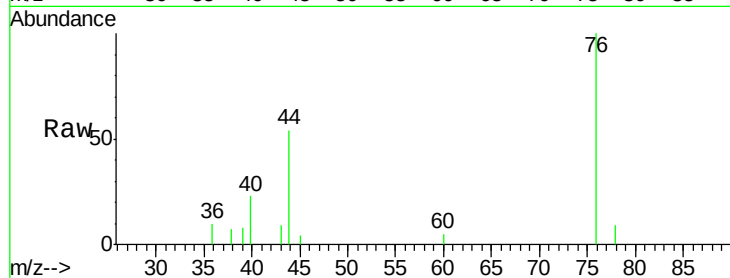
78 9.0 7.1 10.7

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#18

Methyl Acetate

Concen: 1.242 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN054945.D

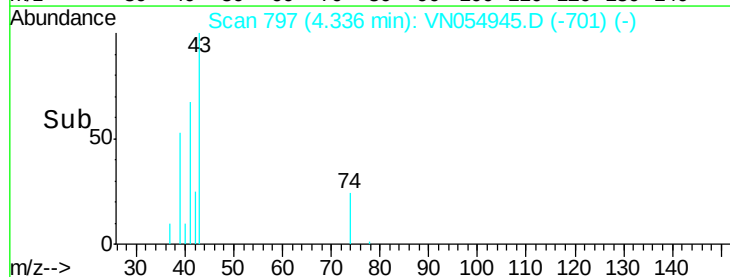
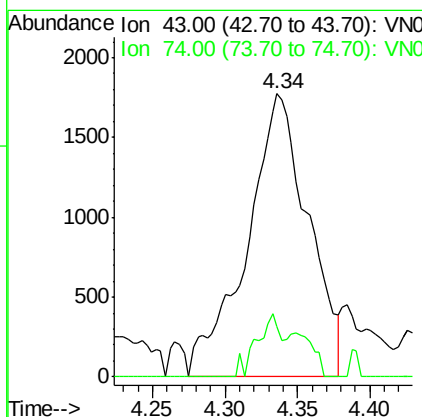
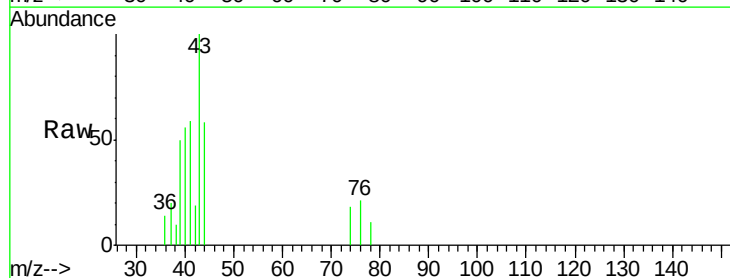
Acq: 4 Apr 2019 14:14

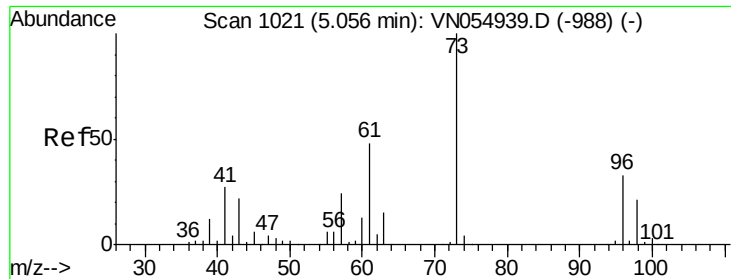
Tgt Ion: 43 Resp: 5202

Ion Ratio Lower Upper

43 100

74 9.5 16.4 24.6#





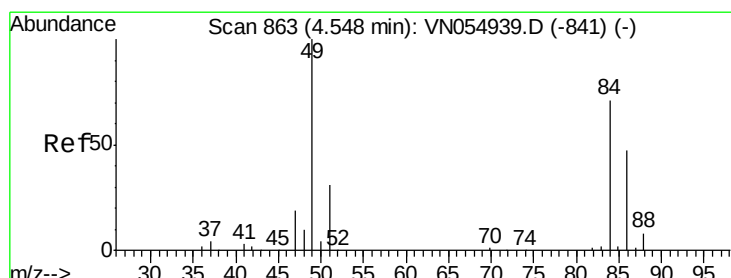
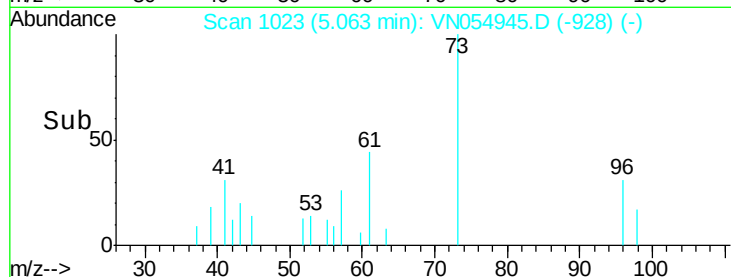
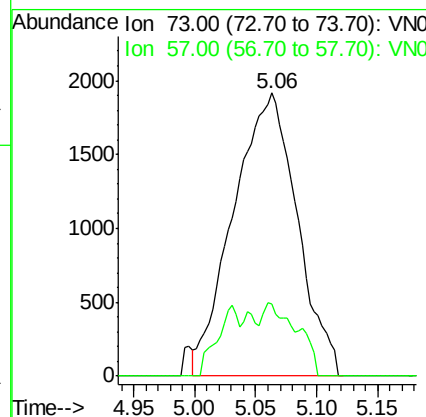
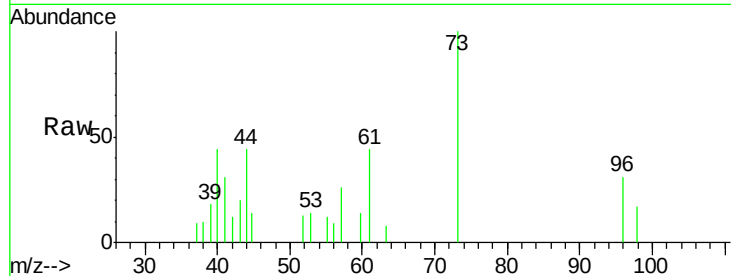
#19
Methyl tert-butyl Ether
Concen: 0.569 ug/l
RT: 5.06 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 73 Resp: 6949
Ion Ratio Lower Upper
73 100
57 25.5 19.5 29.3

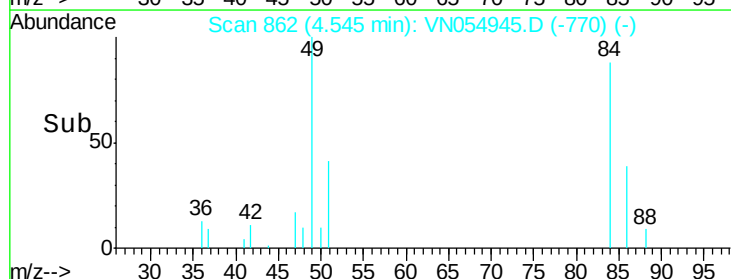
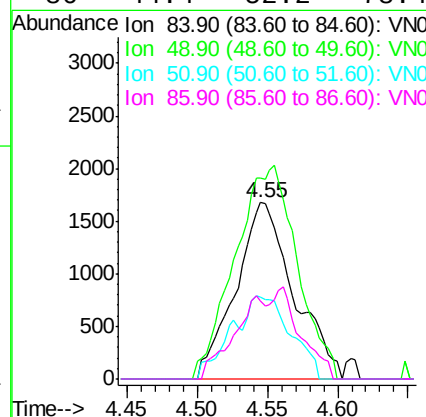
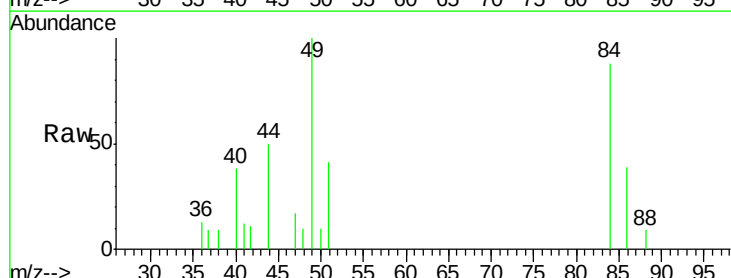
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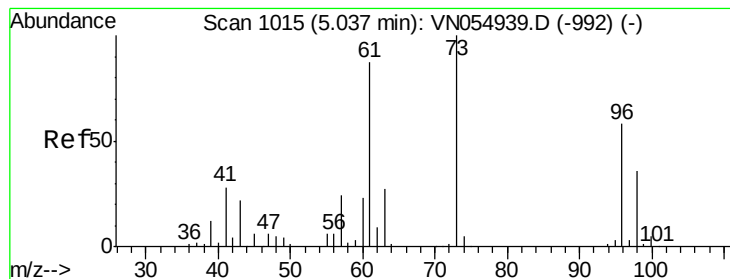
MMDadoda
4/8/2019 1:43:46 PM



#20
Methylene Chloride
Concen: 0.923 ug/l
RT: 4.55 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Tgt Ion: 84 Resp: 4821
Ion Ratio Lower Upper
84 100
49 113.8 112.1 168.1
51 46.6 34.5 51.7
86 44.4 52.2 78.4#





#21

trans-1,2-Dichloroethene

Concen: 0.641 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Instrument :

MSVOA_N

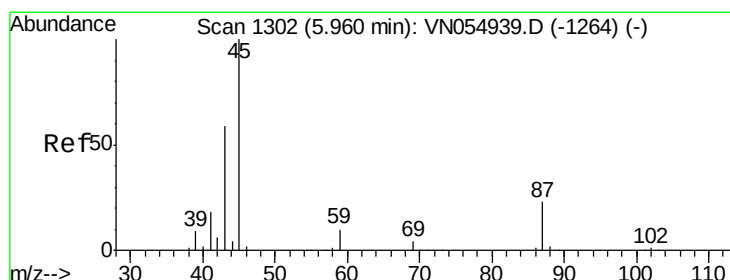
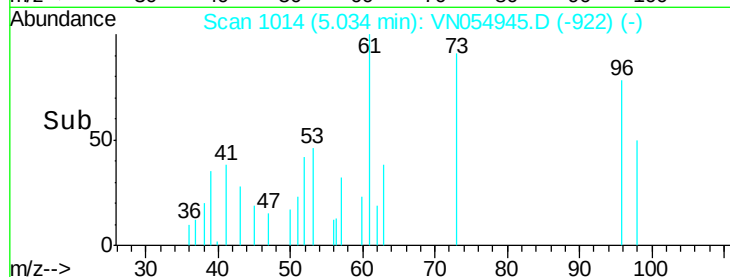
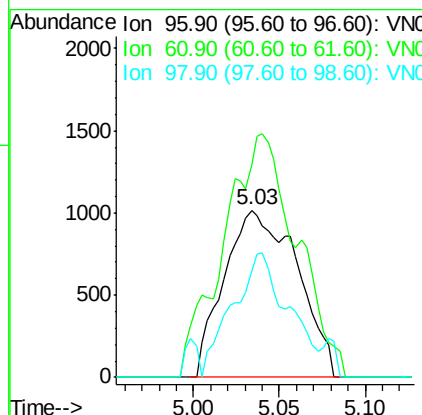
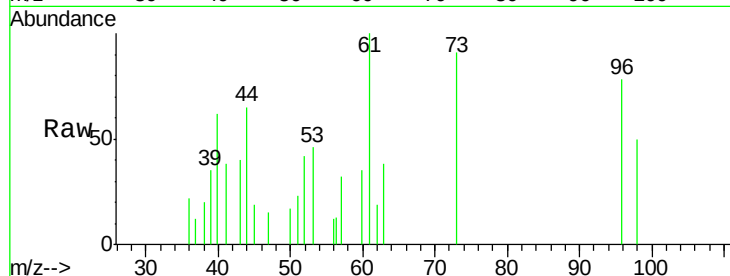
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tgt Ion:	96	Resp:	3013
Ion	Ratio	Lower	Upper
96	100		
61	112.0	120.1	180.1#
98	63.8	49.3	73.9

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#22

Diisopropyl ether

Concen: 0.621 ug/l

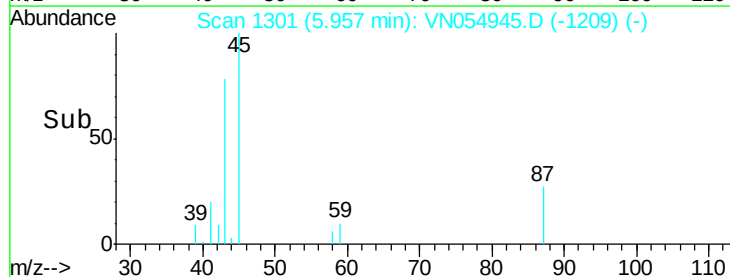
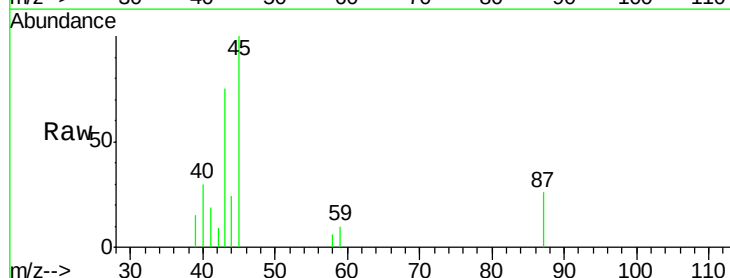
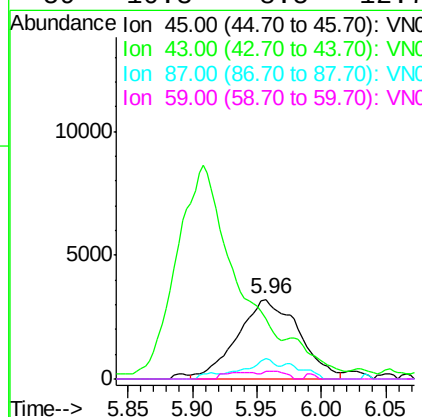
RT: 5.96 min Scan# 1301

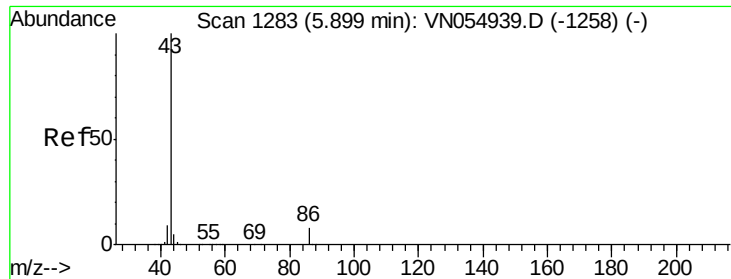
Delta R.T. -0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Tgt Ion:	45	Resp:	10657
Ion	Ratio	Lower	Upper
45	100		
43	66.9	46.9	70.3
87	27.4	18.6	28.0
59	10.3	8.5	12.7





#23

Vinyl Acetate

Concen: 2.224 ug/l

RT: 5.91 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 43 Resp: 26534

Ion Ratio Lower Upper

43 100

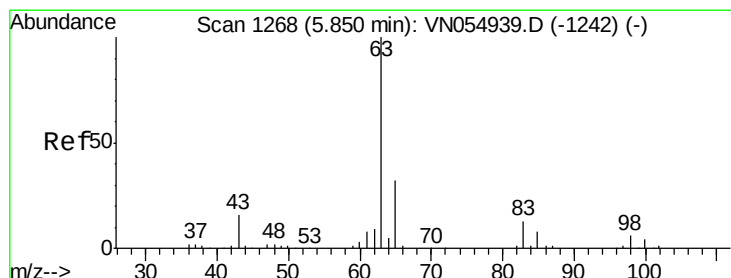
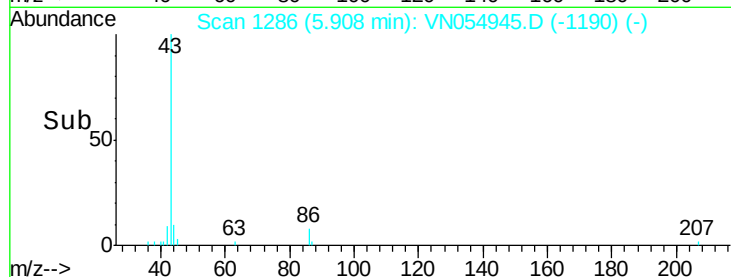
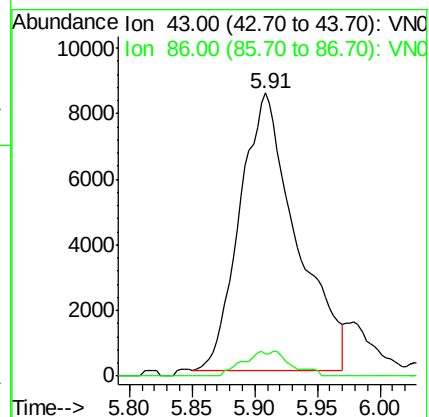
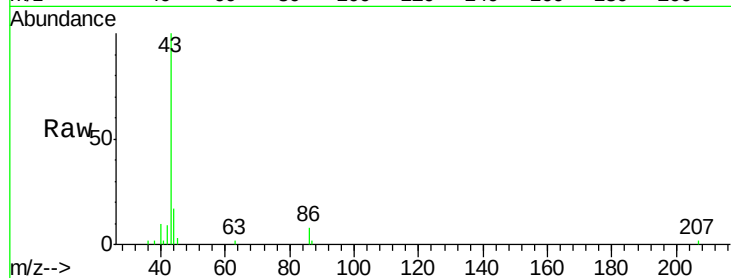
86 7.8 6.7 10.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 0.601 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

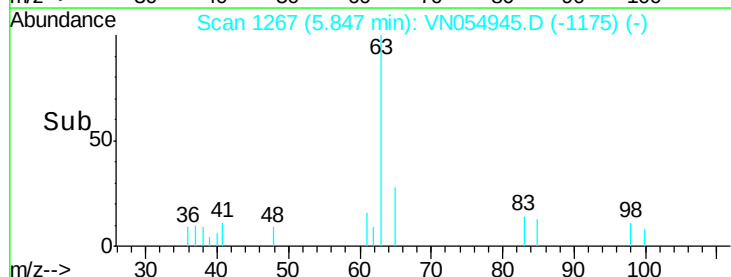
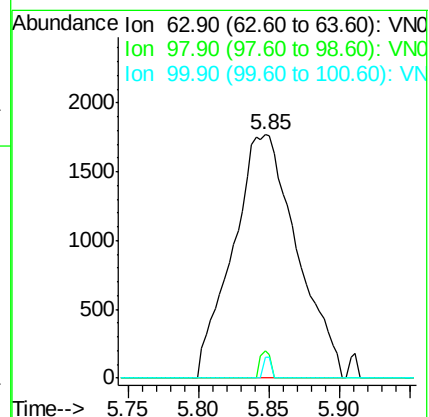
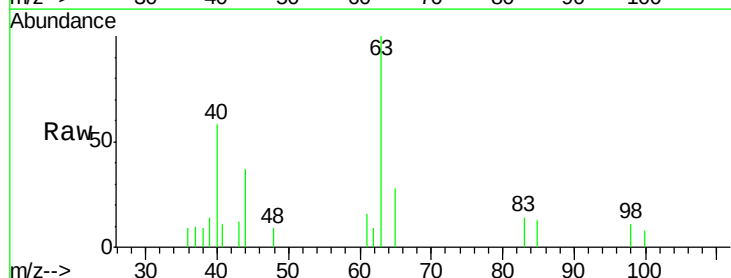
Tgt Ion: 63 Resp: 5616

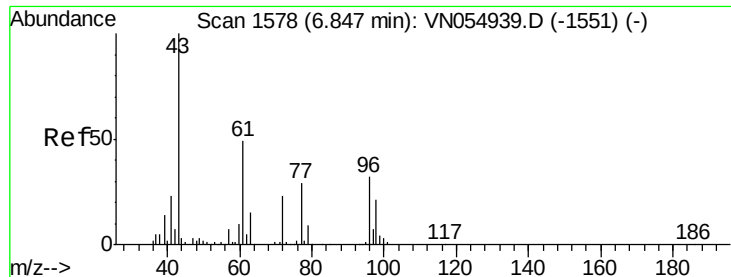
Ion Ratio Lower Upper

63 100

98 11.0 2.9 8.7#

100 8.5 2.1 6.2#





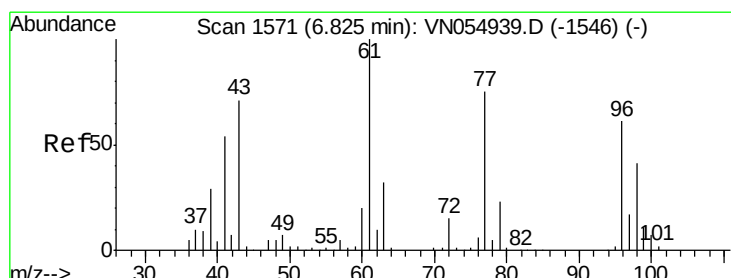
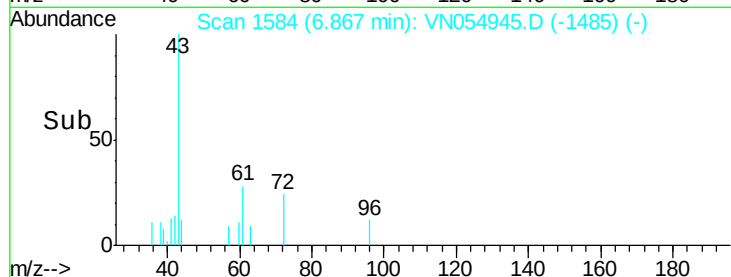
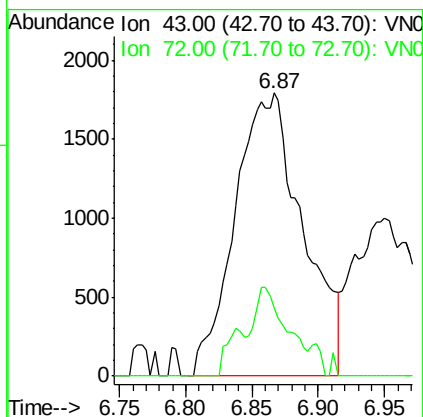
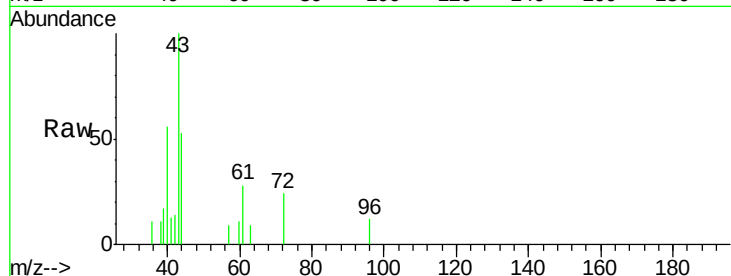
#25
2-Butanone
Concen: 3.023 ug/l
RT: 6.87 min Scan# 1584
Delta R.T. 0.02 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 43 Resp: 6387
Ion Ratio Lower Upper
43 100
72 24.2 18.3 27.5

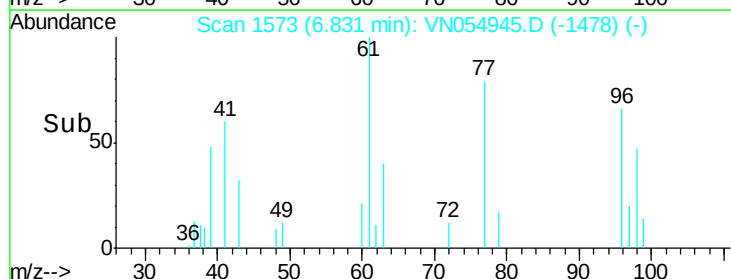
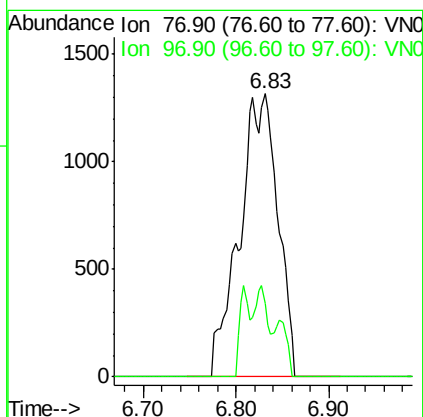
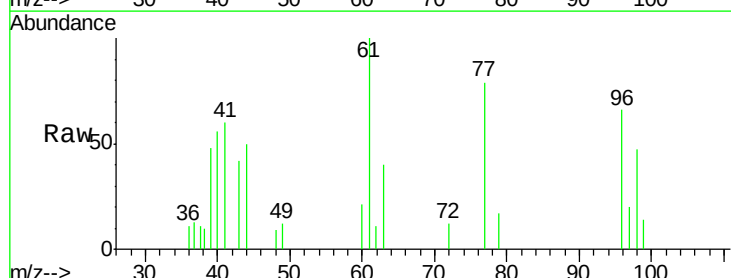
Manual Integrations
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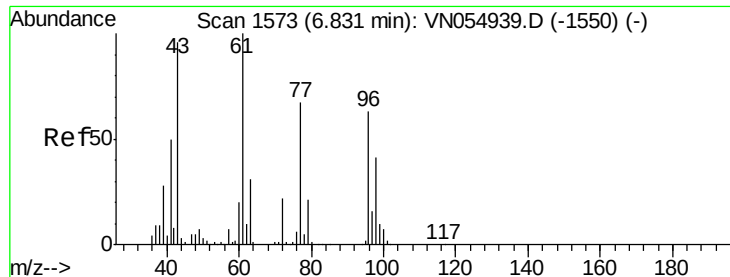
MMDadoda
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#26
2,2-Dichloropropane
Concen: 0.576 ug/l m
RT: 6.83 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Tgt Ion: 77 Resp: 3775
Ion Ratio Lower Upper
77 100
97 9.9 11.6 34.8#





#27

cis-1,2-Dichloroethene

Concen: 0.600 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Instrument :

MSVOA_N

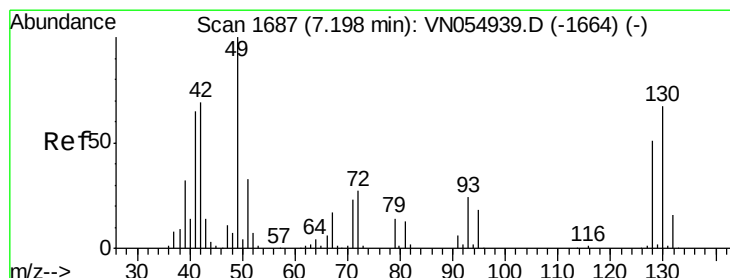
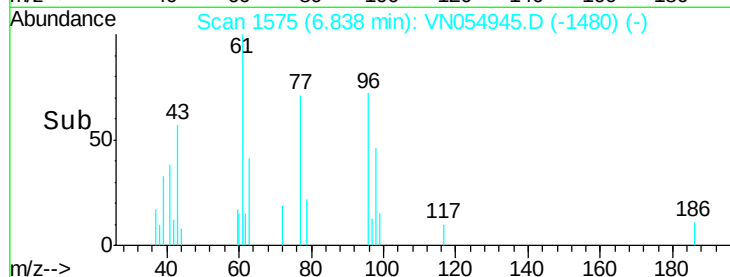
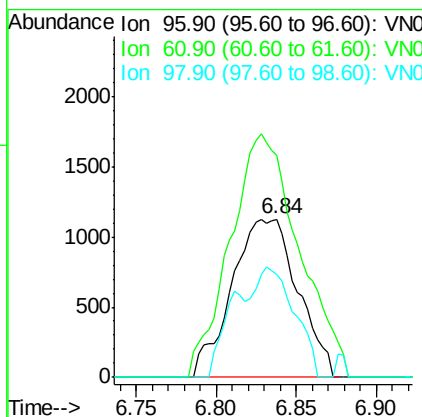
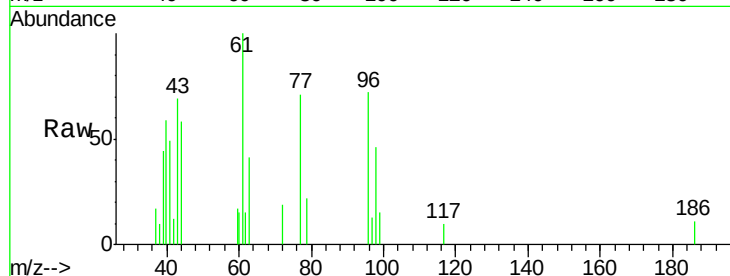
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tgt Ion:	96	Resp:	3196
Ion	Ratio	Lower	Upper
96	100		
61	160.6	0.0	316.2
98	40.4	0.0	129.6

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#28

Bromochloromethane

Concen: 0.651 ug/l

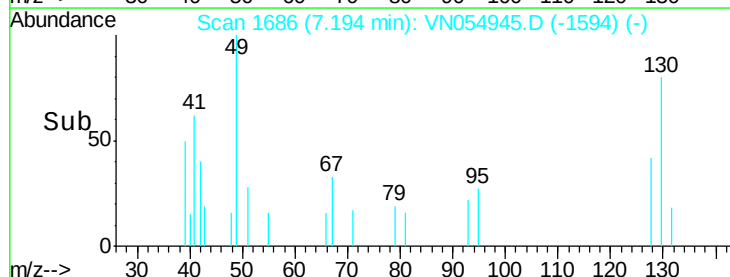
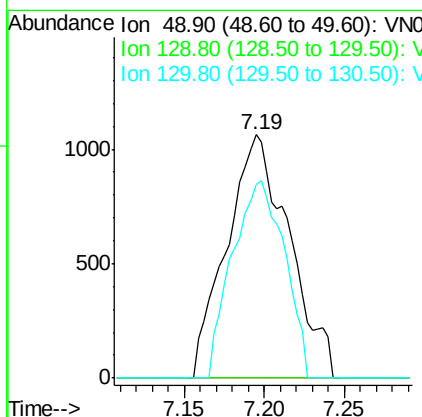
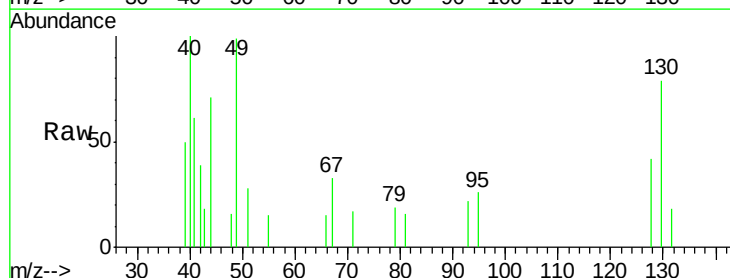
RT: 7.19 min Scan# 1686

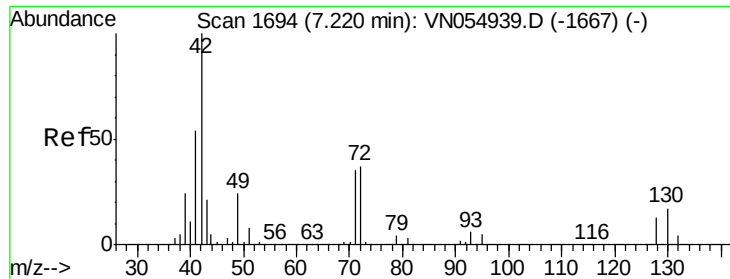
Delta R.T. -0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Tgt Ion:	49	Resp:	2853
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	67.4	53.1	79.7





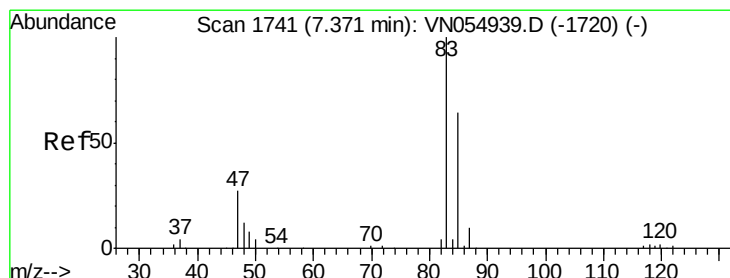
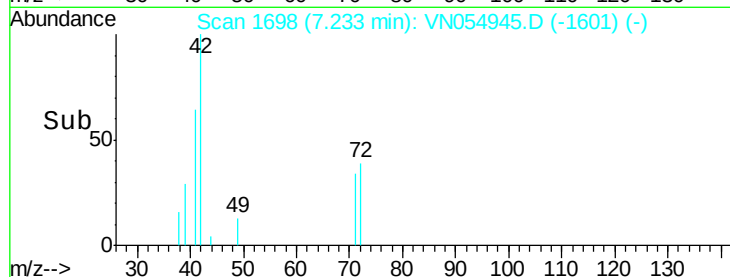
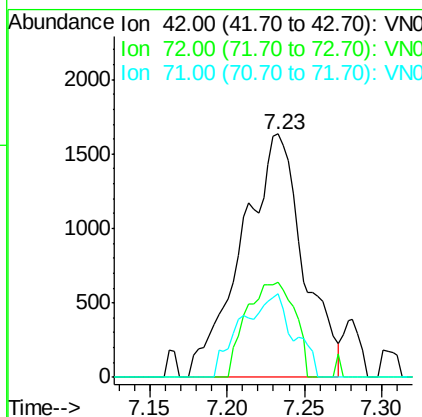
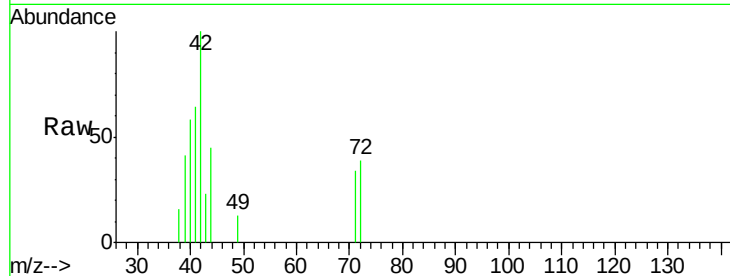
#29
Tetrahydrofuran
Concen: 3.249 ug/l
RT: 7.23 min Scan# 1698
Delta R.T. 0.01 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion	Ratio	Lower	Upper
42	100		
72	30.7	29.3	43.9
71	19.1	27.8	41.6#

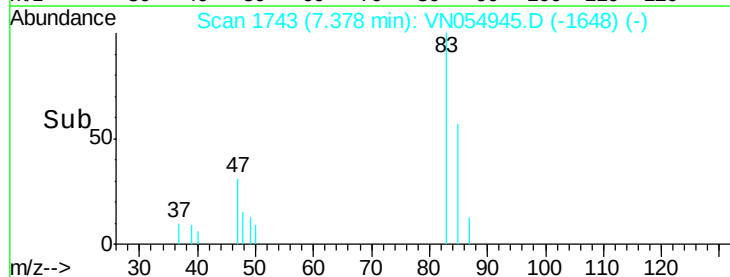
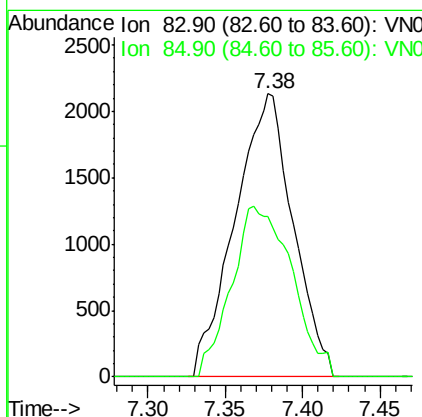
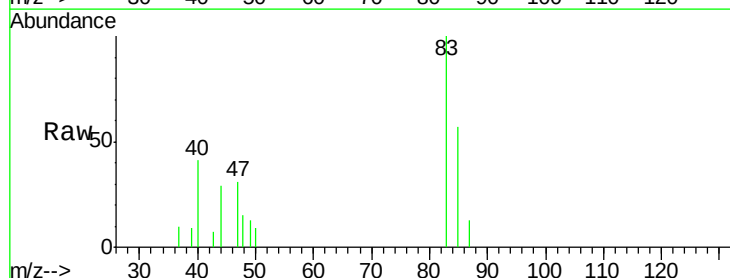
Manual Integrations
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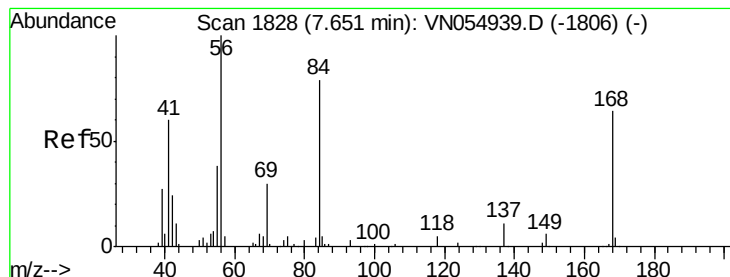
MMDadoda
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#30
Chloroform
Concen: 0.629 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.01 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.8	51.4	77.0





#31

Cyclohexane

Concen: 1.376 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Instrument :

MSVOA_N

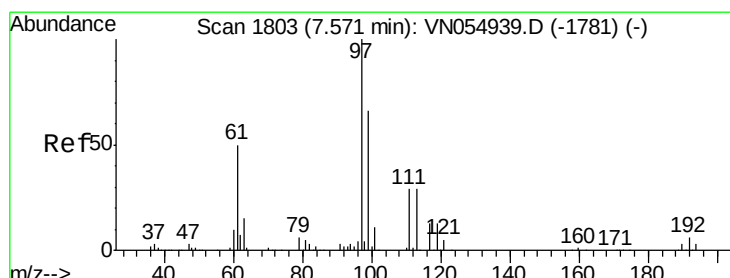
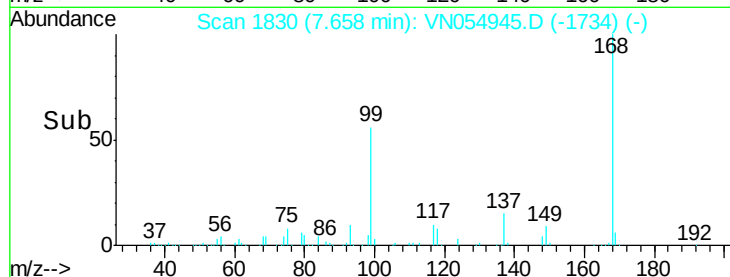
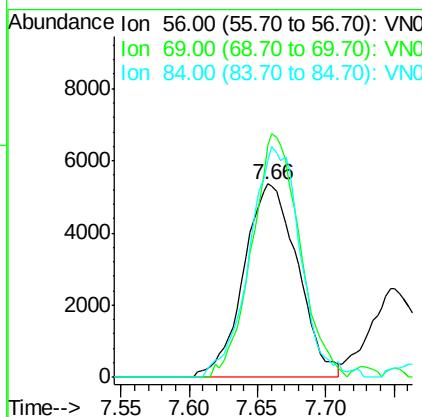
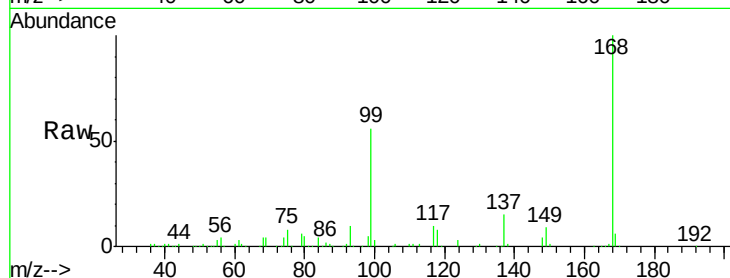
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tgt Ion:	56	Resp:	14691
Ion Ratio	Lower	Upper	
56	100		
69	119.8	23.8	35.6#
84	112.0	61.8	92.8#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 0.553 ug/l m

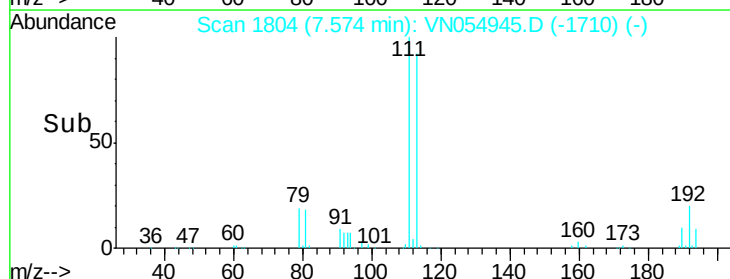
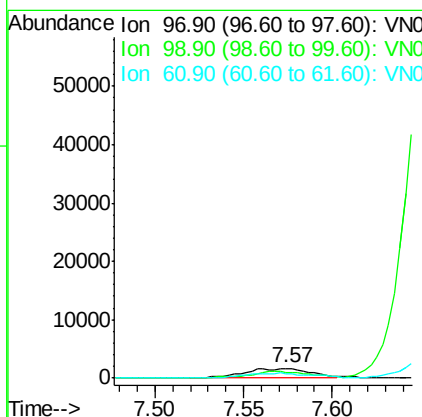
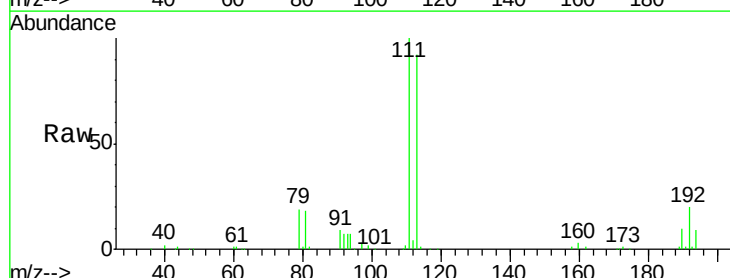
RT: 7.57 min Scan# 1804

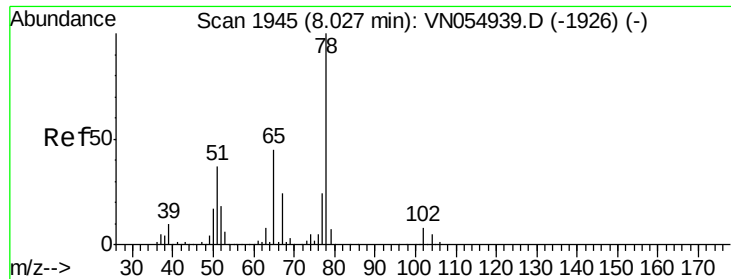
Delta R.T. 0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Tgt Ion:	97	Resp:	4138
Ion Ratio	Lower	Upper	
97	100		
99	0.0	52.1	78.1#
61	24.3	39.6	59.4#





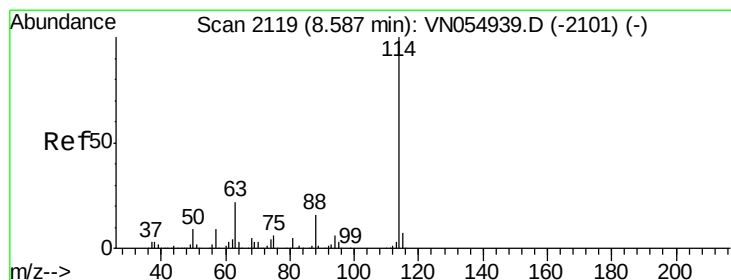
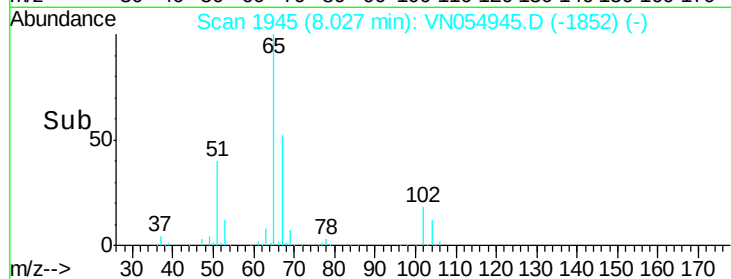
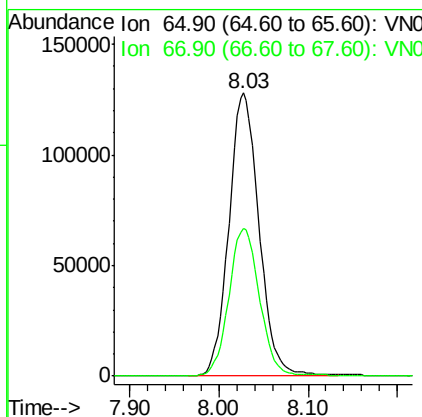
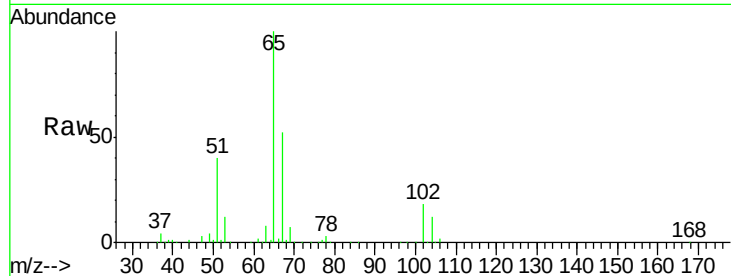
#33
 1,2-Dichloroethane-d4
 Concen: 53.412 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054945.D
 Acq: 4 Apr 2019 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	300552		
67	53.1	0.0	105.6	

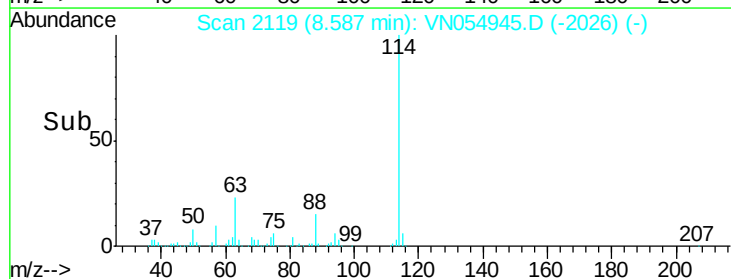
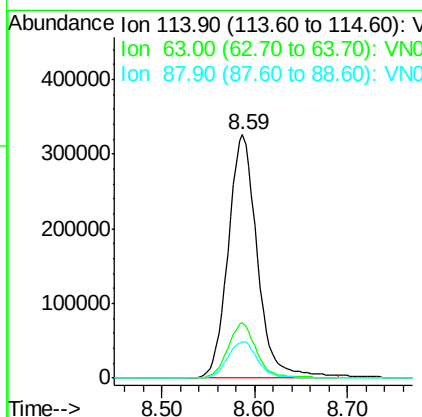
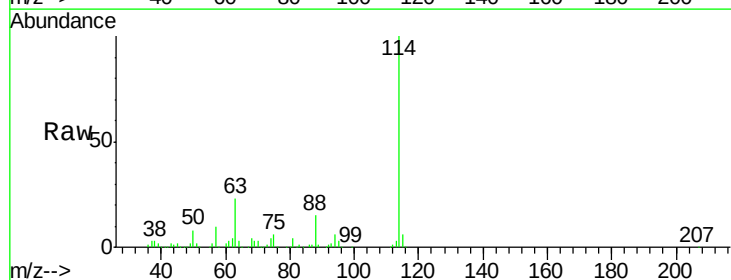
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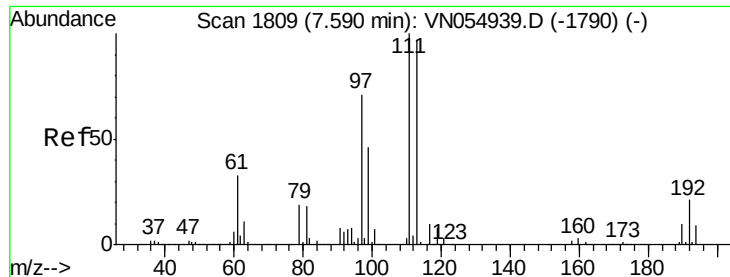
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 4/8/2019 1:43:46 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054945.D
 Acq: 4 Apr 2019 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	710798		
63	22.5	0.0	44.6	
88	15.1	0.0	32.0	





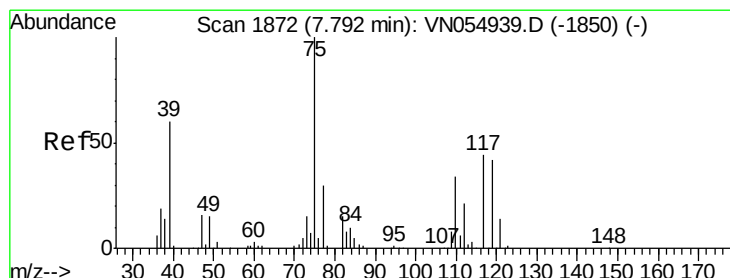
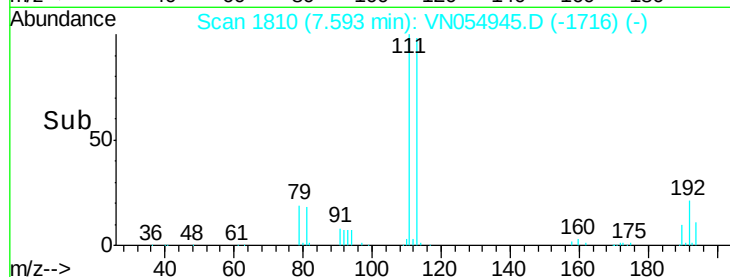
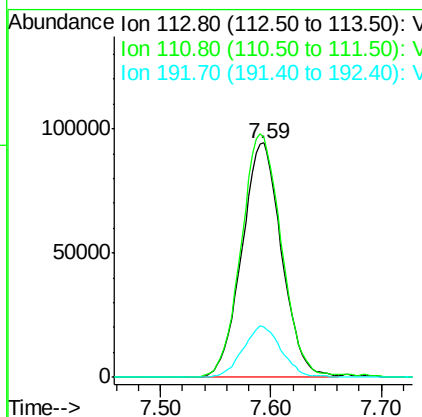
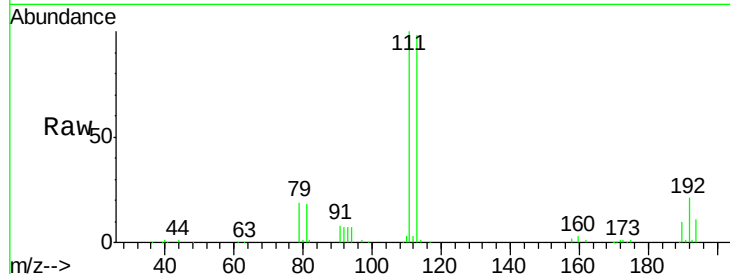
#35
 Dibromofluoromethane
 Concen: 50.865 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054945.D
 Acq: 4 Apr 2019 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	235351		
111	105.7	81.0	121.4	
192	21.3	16.5	24.7	

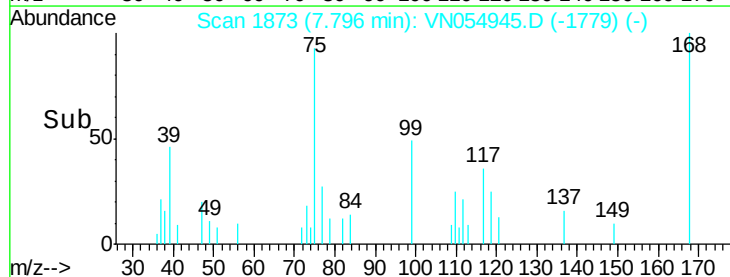
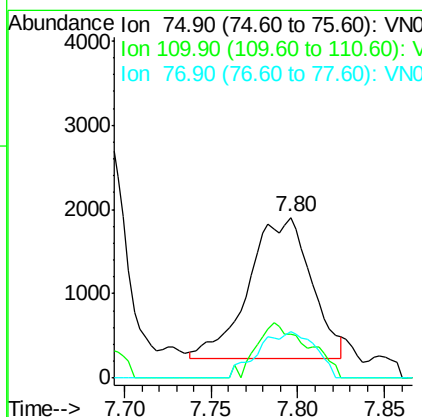
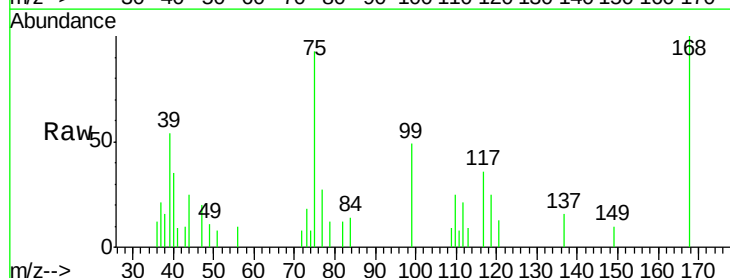
Manual Integrations
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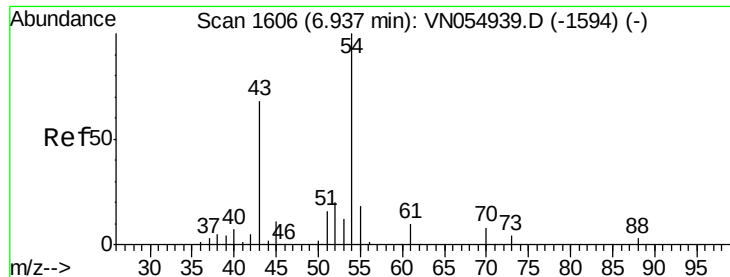
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 0.599 ug/l m
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN054945.D
 Acq: 4 Apr 2019 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	4221		
110	32.4	17.0	50.9	
77	29.7	25.3	37.9	





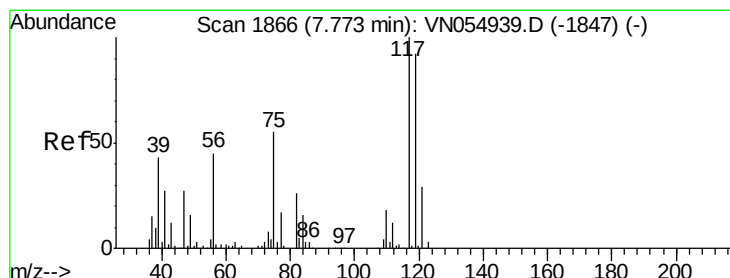
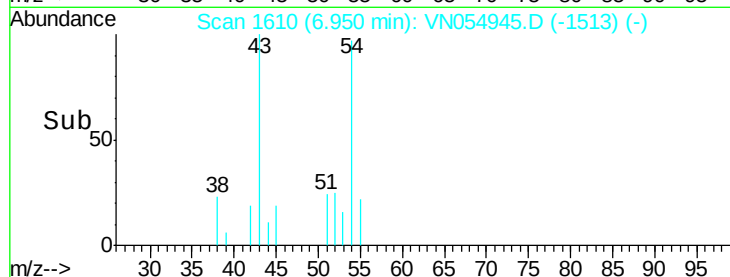
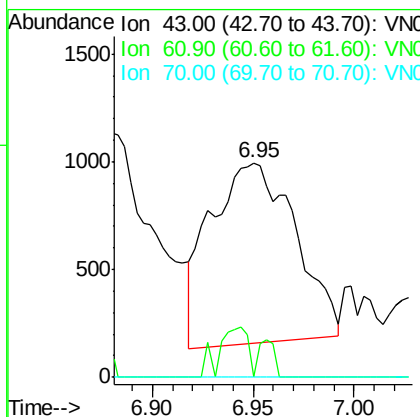
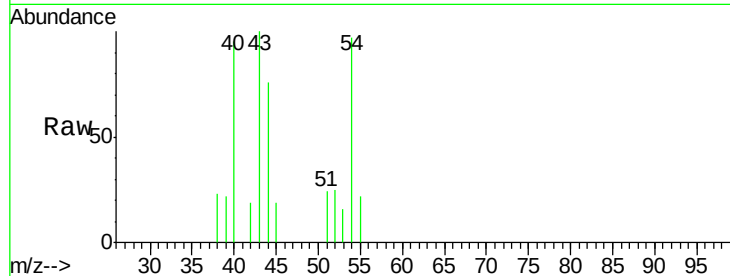
#37
Ethyl Acetate
 Concen: 0.508 ug/l
 RT: 6.95 min Scan# 1610
 Delta R.T. 0.01 min
 Lab File: VN054945.D
 Acq: 4 Apr 2019 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tgt Ion	Ratio	Lower	Upper
43	100		
61	9.4	10.3	15.5#
70	0.0	7.0	10.4#

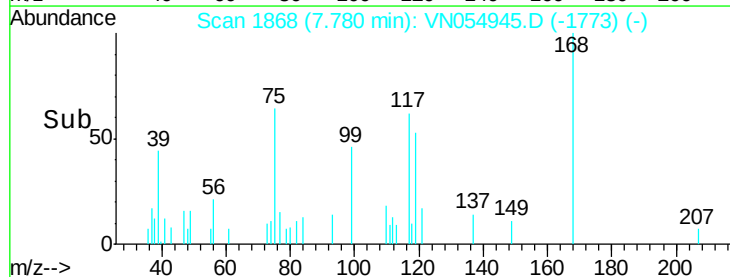
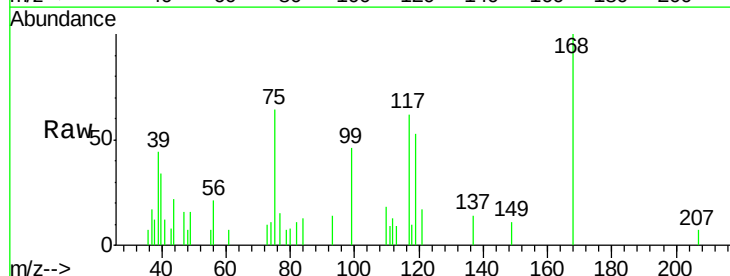
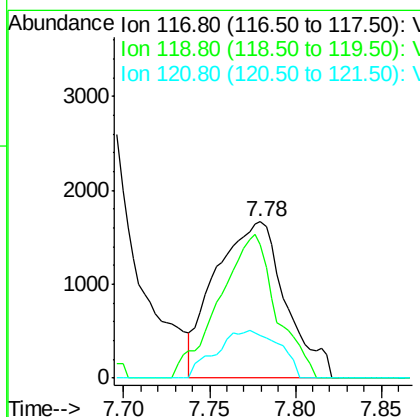
Manual Integrations
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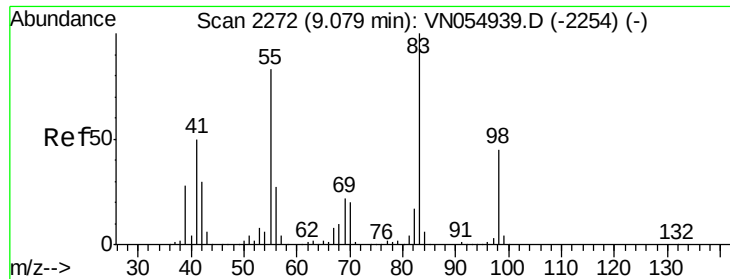
MMDadoda
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#38
Carbon Tetrachloride
 Concen: 0.695 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.01 min
 Lab File: VN054945.D
 Acq: 4 Apr 2019 14:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	85.8	73.6	110.4
121	27.1	23.4	35.0





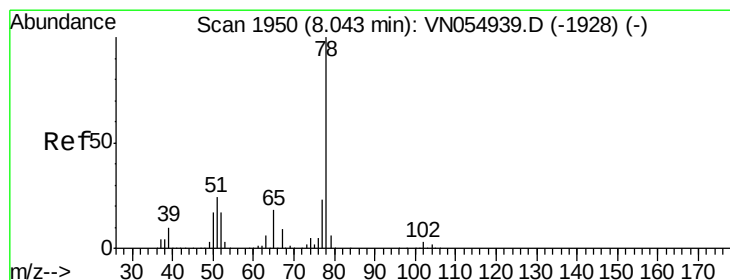
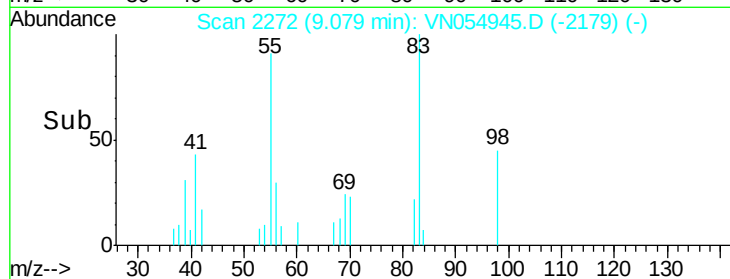
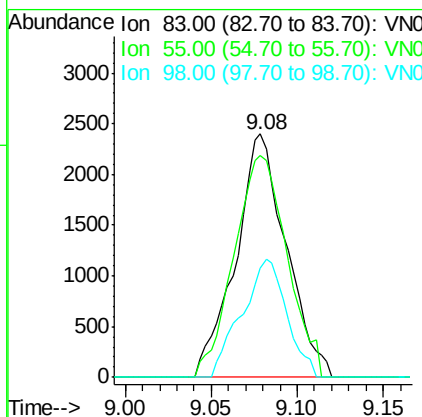
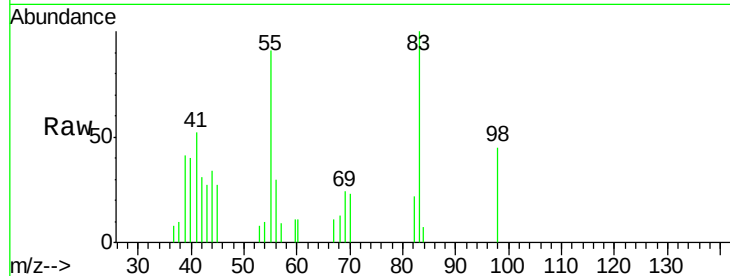
#39
Methylcyclohexane
Concen: 0.632 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	4896		
55	91.1	66.4	99.6	
98	45.1	36.4	54.6	

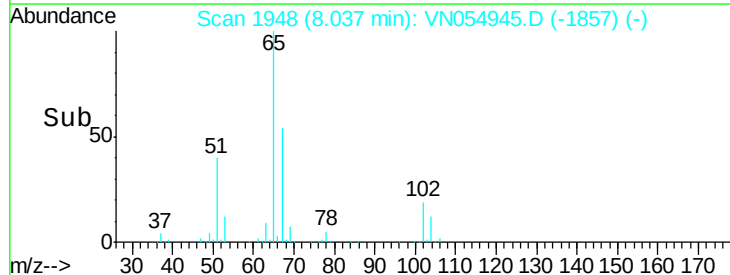
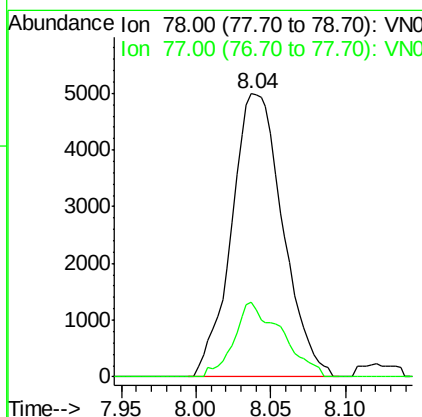
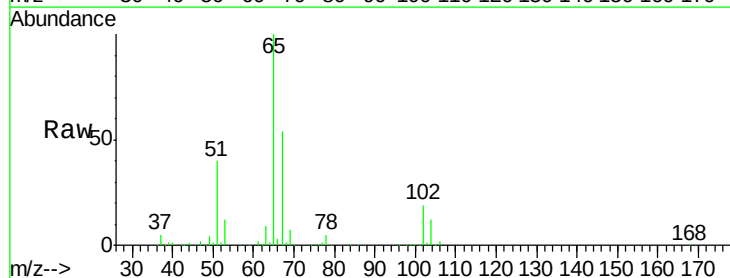
Manual Integrations
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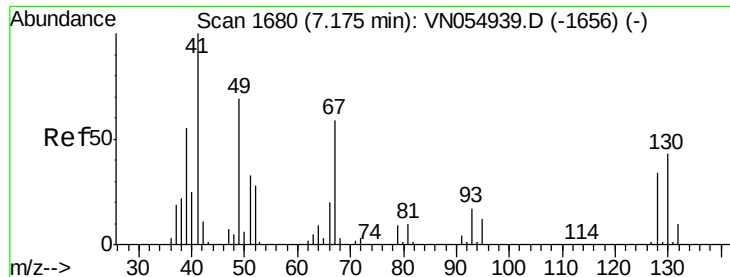
MMDadoda
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#40
Benzene
Concen: 0.586 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.01 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	11885		
77	26.6	18.6	27.8	





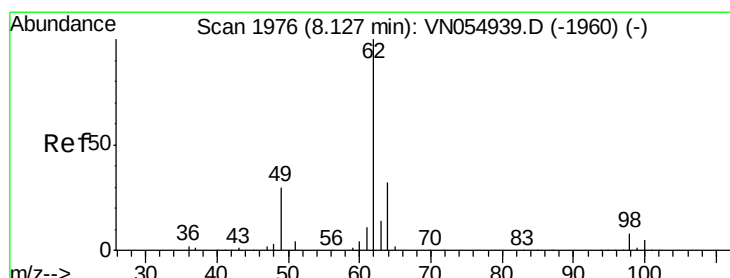
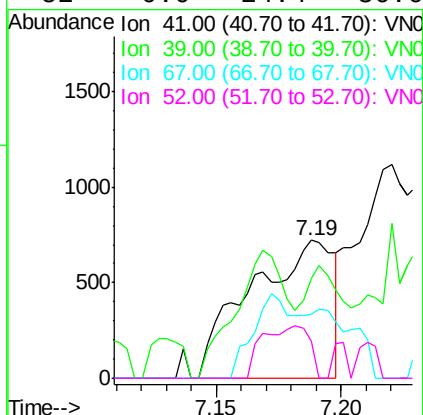
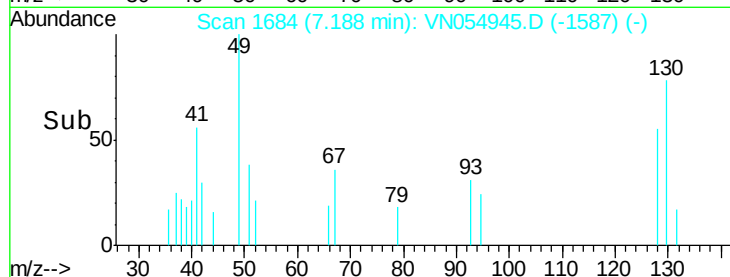
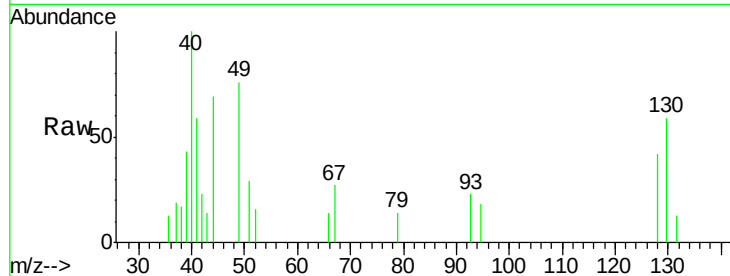
#41
Methacrylonitrile
Concen: 0.606 ug/l m
RT: 7.19 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 41 Resp: 1675
Ion Ratio Lower Upper
41 100
39 57.4 43.0 64.6
67 28.2 55.0 82.6#
52 0.0 24.4 36.6#

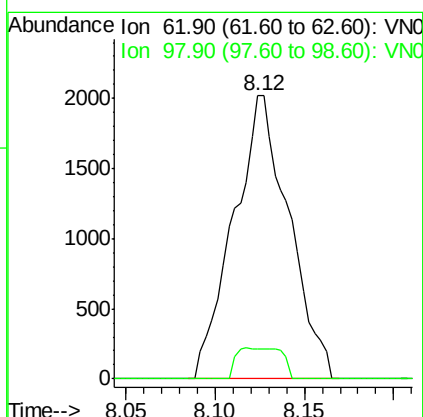
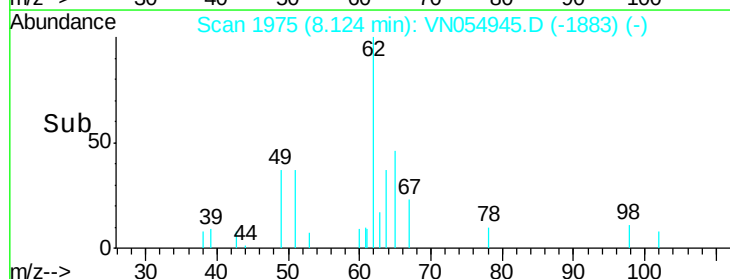
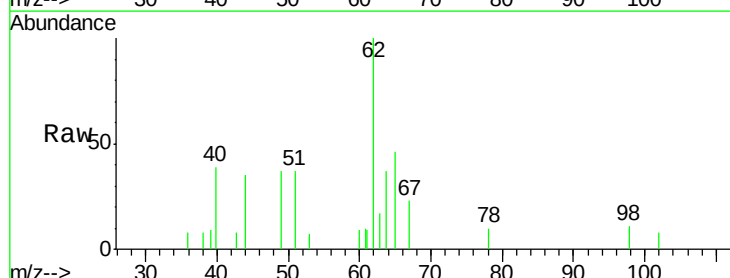
Manual Integrations
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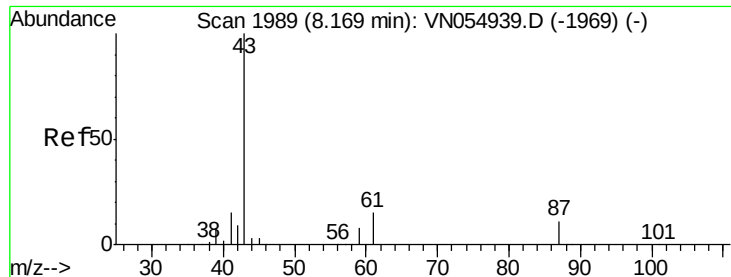
MMDadoda
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#42
1,2-Dichloroethane
Concen: 0.614 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Tgt Ion: 62 Resp: 4375
Ion Ratio Lower Upper
62 100
98 4.5 0.0 16.0





#43

Isopropyl Acetate

Concen: 0.607 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Instrument :

MSVOA_N

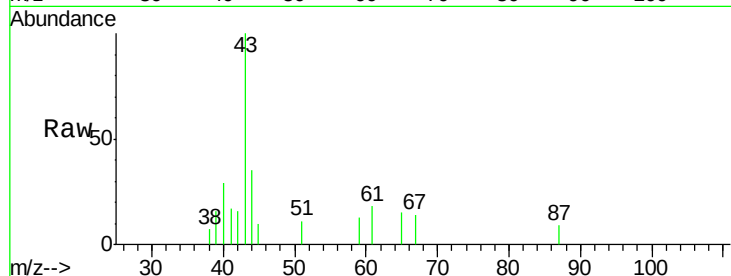
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tgt Ion:	43	Resp:	4942
Ion	Ratio	Lower	Upper
43	100		
61	14.0	14.4	21.6#
87	7.4	9.0	13.4#

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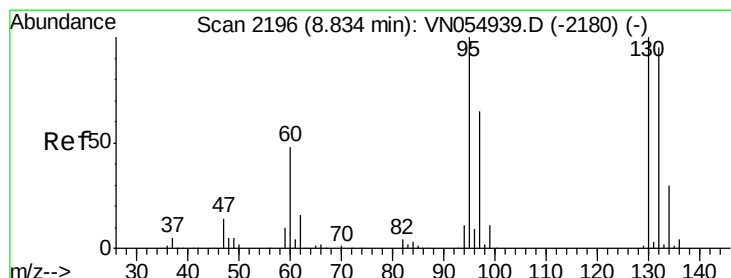
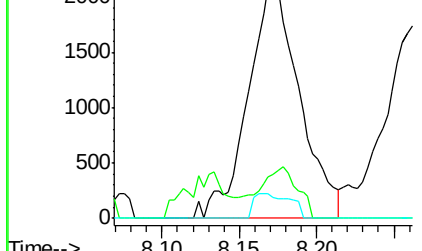
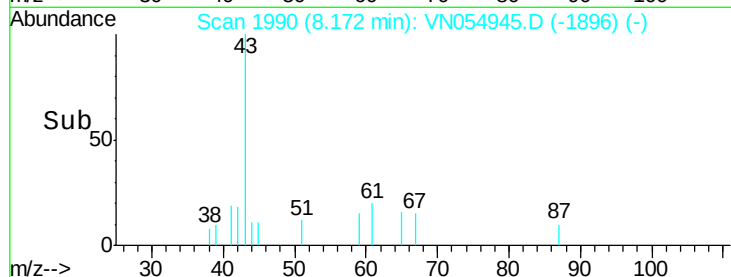
Abundance Ion 43.00 (42.70 to 43.70): VN054939.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN054939.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN054939.D (-1969) (-)

Time-->

Scan 1990 (8.172 min): VN054945.D (-1896) (-)



#44

Trichloroethene

Concen: 0.654 ug/l

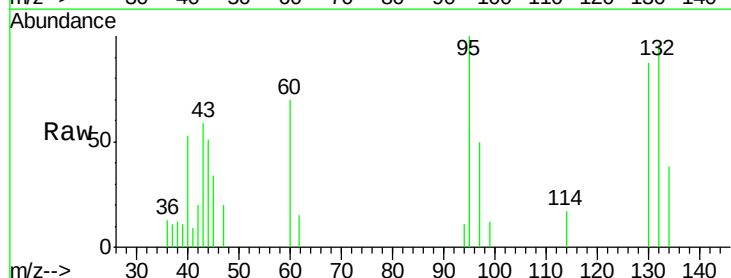
RT: 8.84 min Scan# 2198

Delta R.T. 0.01 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Tgt Ion:	130	Resp:	3387
Ion	Ratio	Lower	Upper
130	100		
95	115.3	0.0	200.4

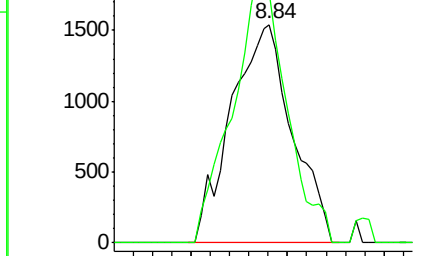
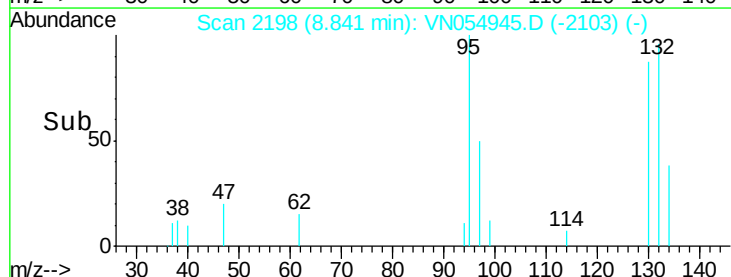


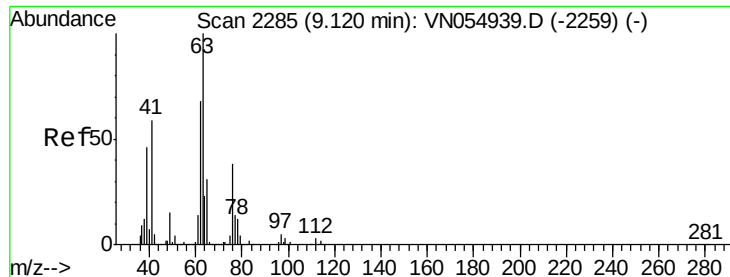
Abundance Ion 129.80 (129.50 to 130.50): VN054939.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN054939.D (-2180) (-)

Time-->

Scan 2198 (8.841 min): VN054945.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 0.589 ug/l

RT: 9.12 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 63 Resp: 3328

Ion Ratio Lower Upper

63 100

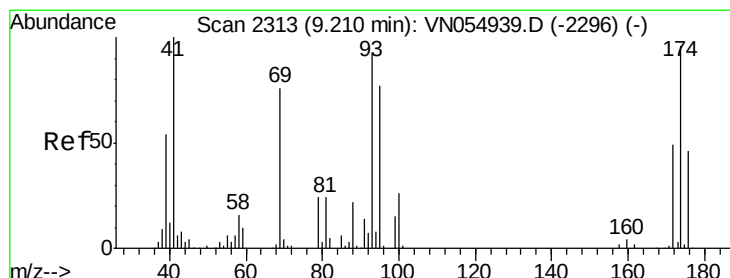
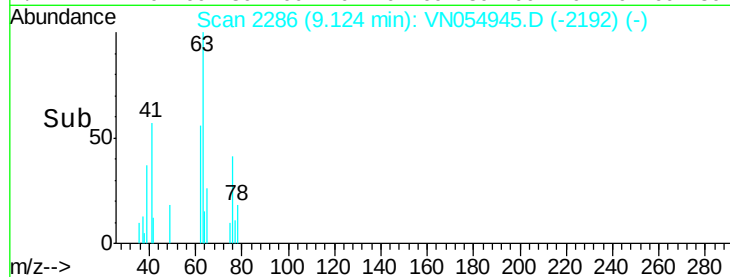
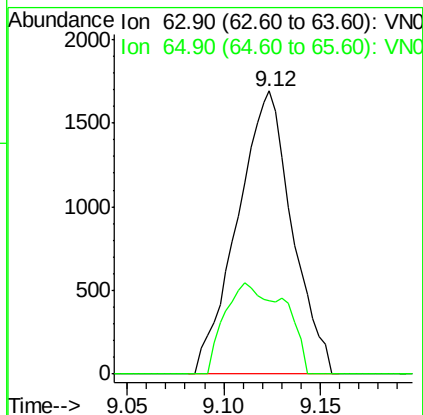
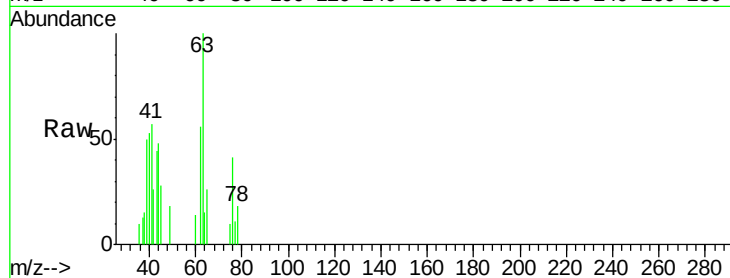
65 26.0 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 0.627 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

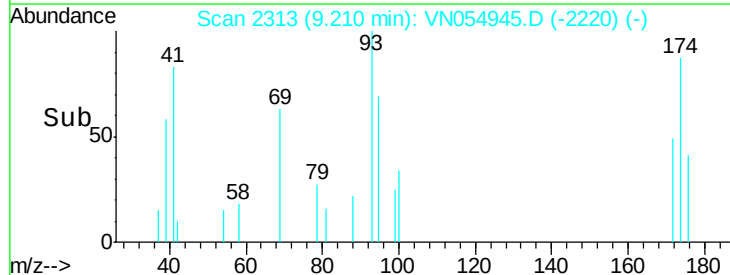
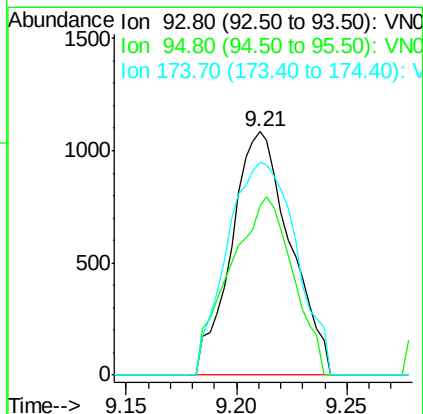
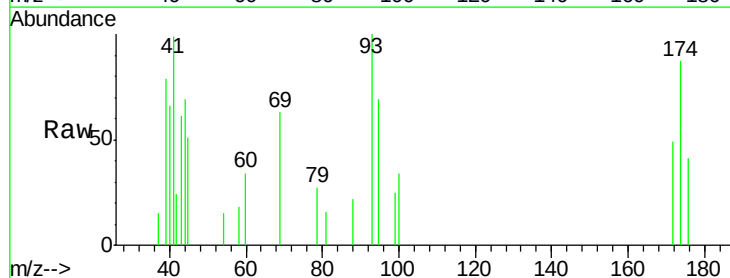
Tgt Ion: 93 Resp: 2007

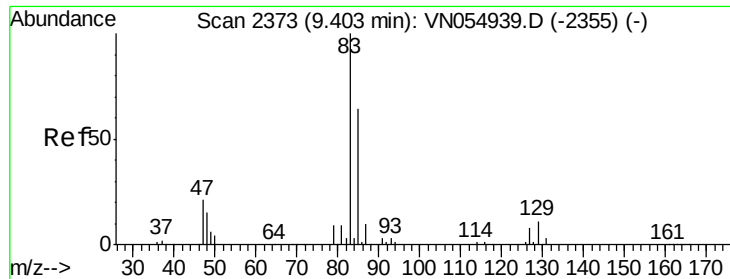
Ion Ratio Lower Upper

93 100

95 78.0 66.7 100.1

174 102.5 82.0 123.0





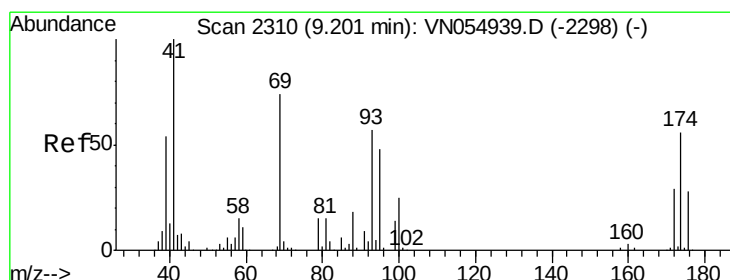
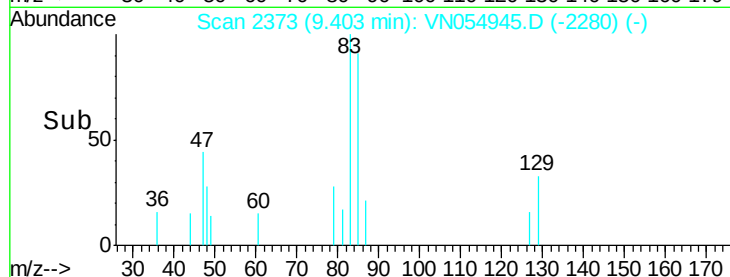
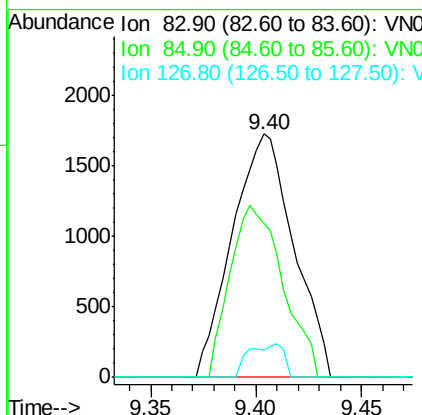
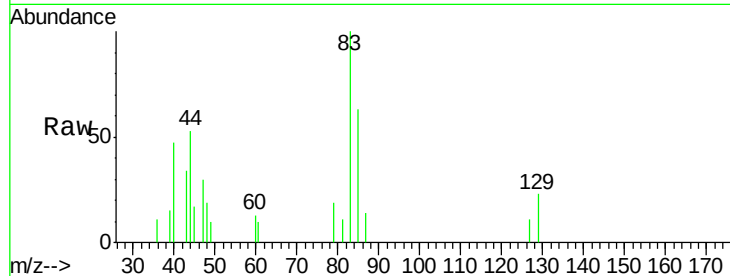
#47
Bromodichloromethane
Concen: 0.519 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	3490		
85	63.1	51.1	76.7	
127	11.4	6.7	10.1#	

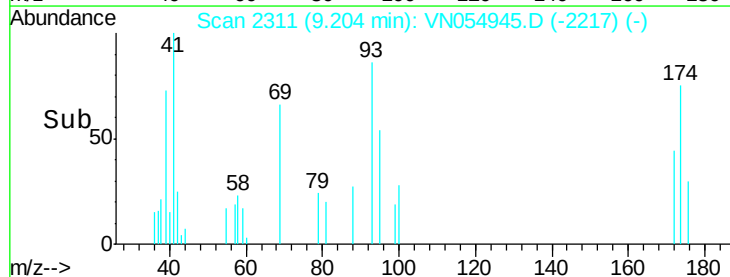
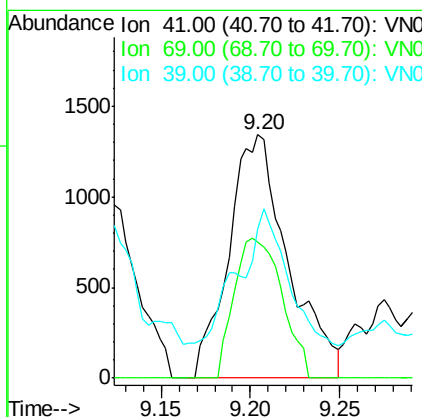
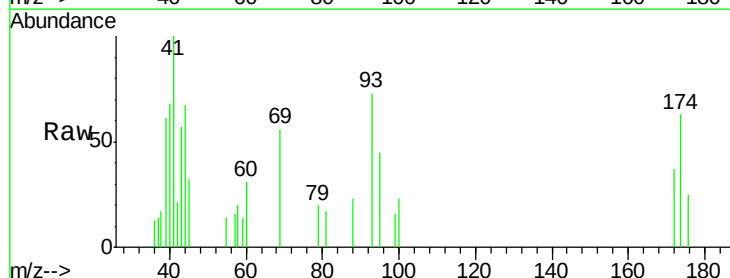
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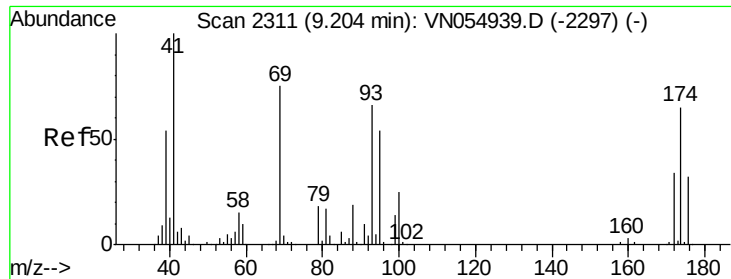
MMDadoda
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#48
Methyl methacrylate
Concen: 0.750 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	3093		
69	46.6	58.9	88.3#	
39	31.9	44.2	66.4#	





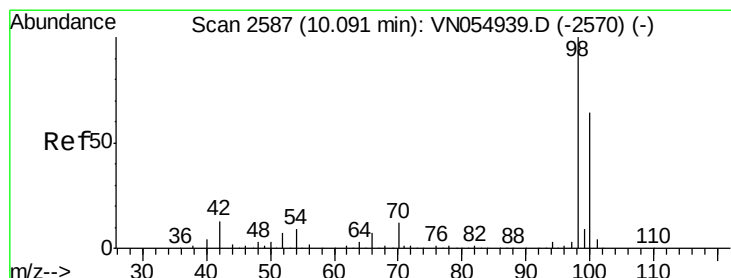
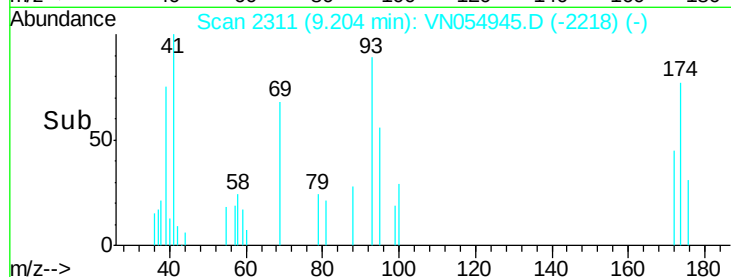
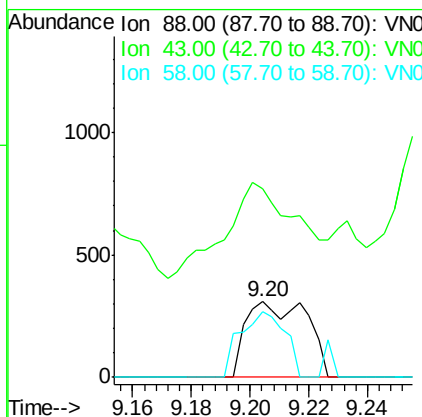
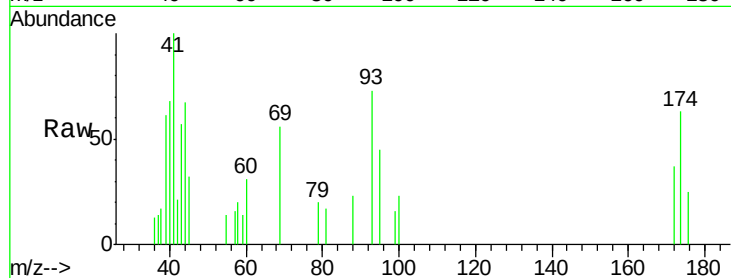
#49
1,4-Dioxane
Concen: 10.644 ug/l m
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 88 Resp: 443
Ion Ratio Lower Upper
88 100
43 153.7 31.5 47.3#
58 63.4 61.9 92.9

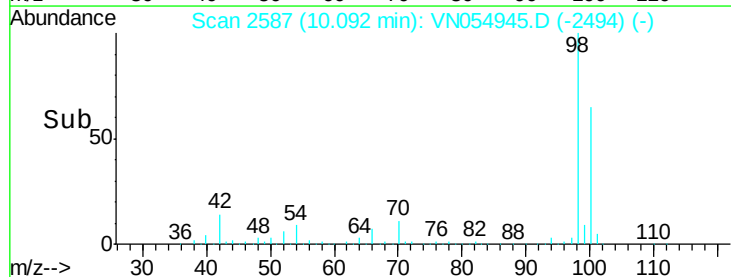
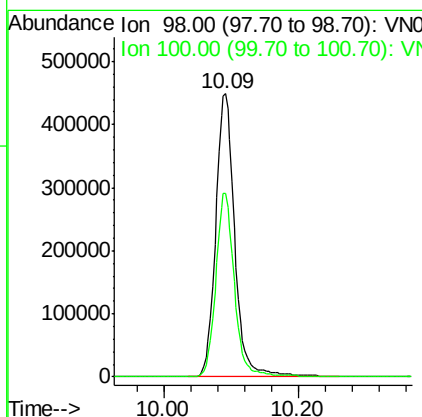
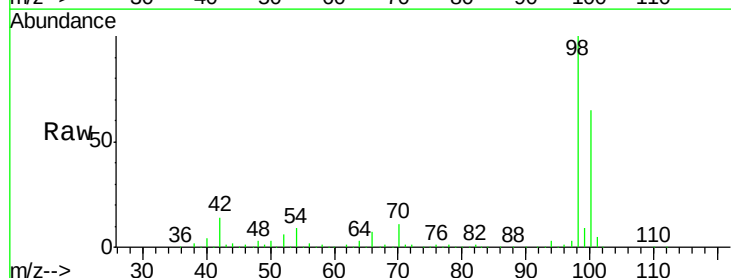
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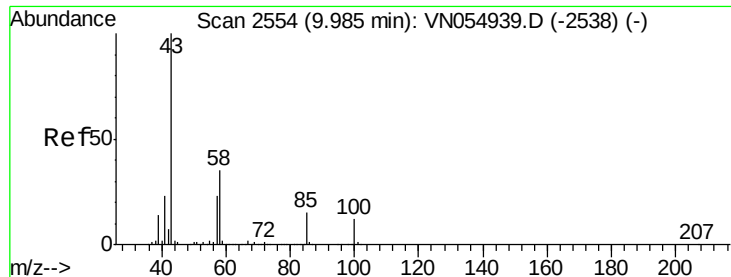
MMDadoda
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#50
Toluene-d8
Concen: 50.571 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Tgt Ion: 98 Resp: 887862
Ion Ratio Lower Upper
98 100
100 63.6 51.5 77.3





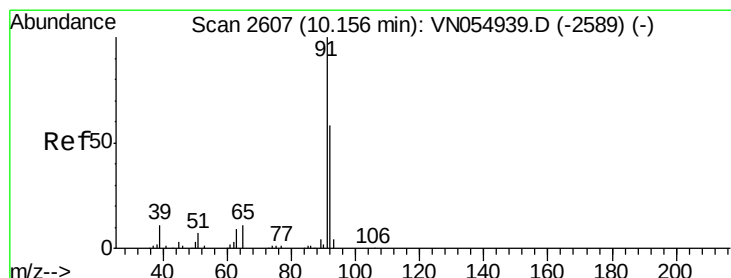
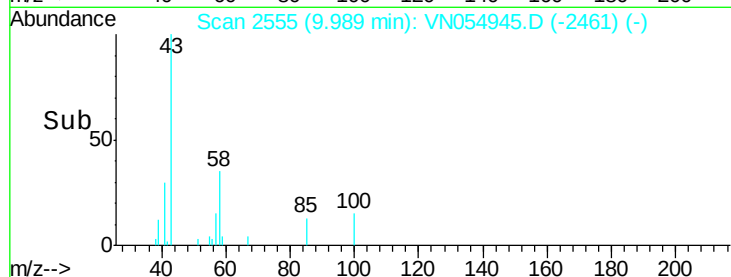
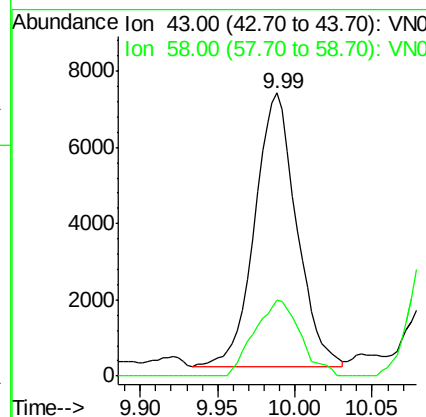
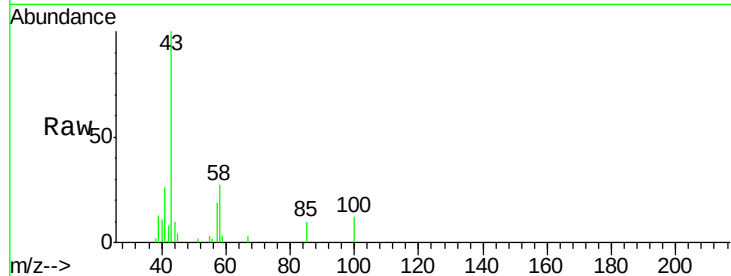
#51
 4-Methyl-2-Pentanone
 Concen: 2.959 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN054945.D
 Acq: 4 Apr 2019 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 43 Resp: 13448
 Ion Ratio Lower Upper
 43 100
 58 30.3 28.3 42.5

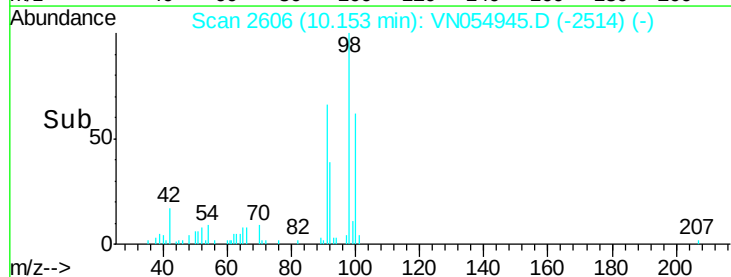
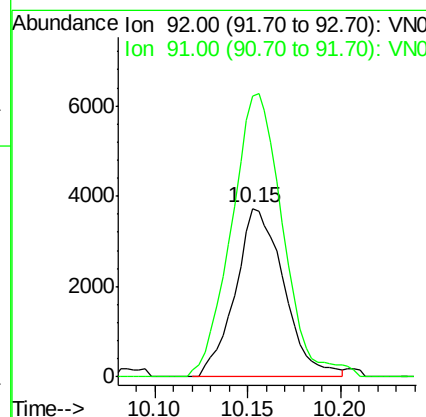
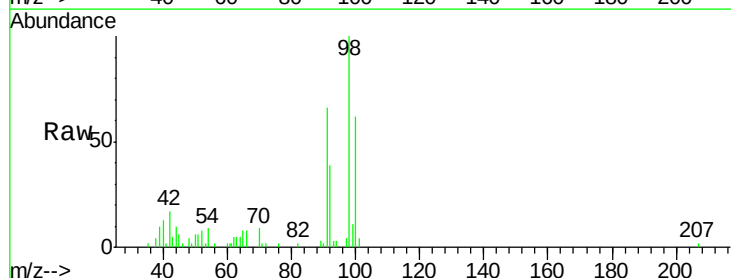
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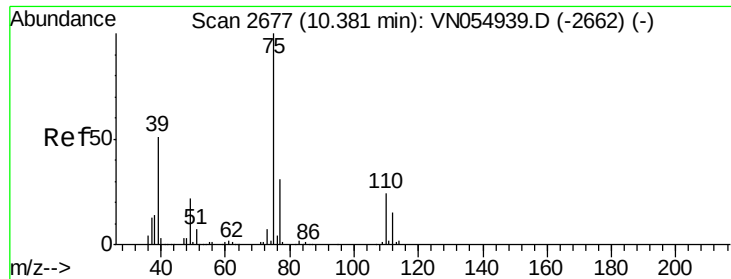
MMDadoda
 4/8/2019 1:43:46 PM



#52
 Toluene
 Concen: 0.570 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. -0.00 min
 Lab File: VN054945.D
 Acq: 4 Apr 2019 14:14

Tgt Ion: 92 Resp: 6807
 Ion Ratio Lower Upper
 92 100
 91 176.8 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 0.538 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 75 Resp: 3337

Ion Ratio Lower Upper

75 100

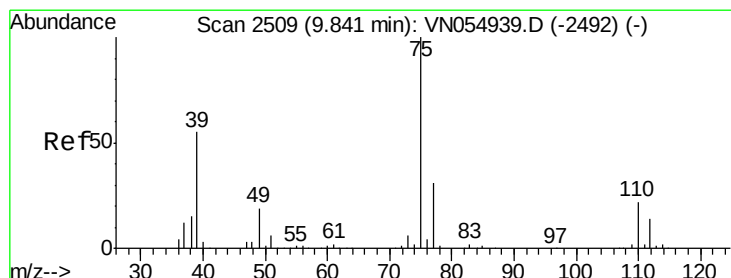
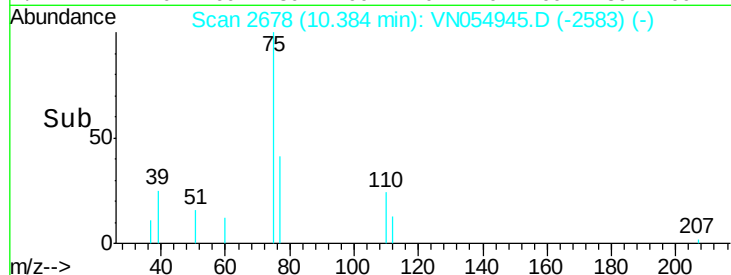
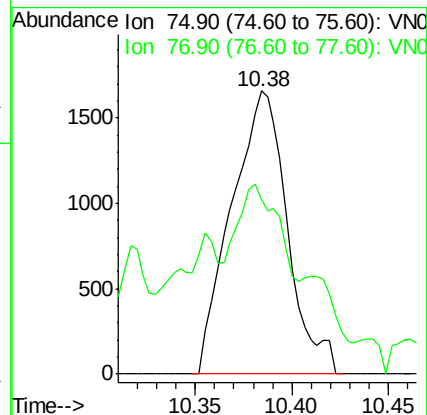
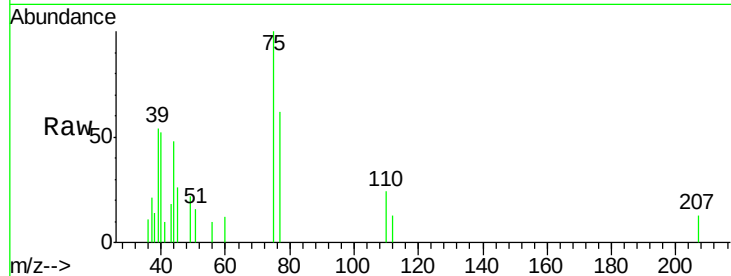
77 47.3 24.6 36.8#

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#54

cis-1,3-Dichloropropene

Concen: 0.544 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

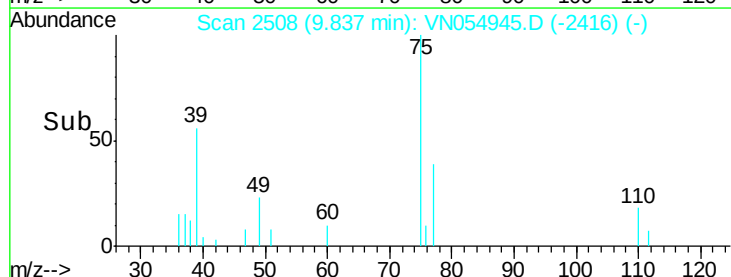
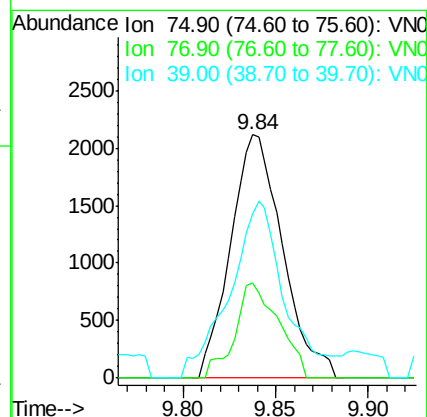
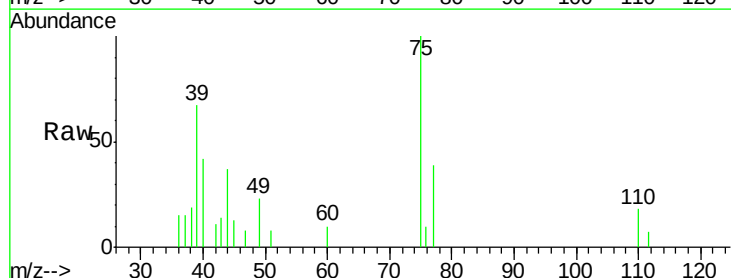
Tgt Ion: 75 Resp: 4115

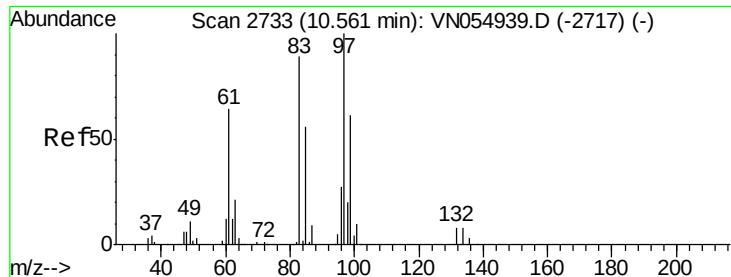
Ion Ratio Lower Upper

75 100

77 39.3 25.0 37.4#

39 59.4 43.9 65.9





#55

1,1,2-Trichloroethane

Concen: 0.601 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Instrument :

MSVOA_N

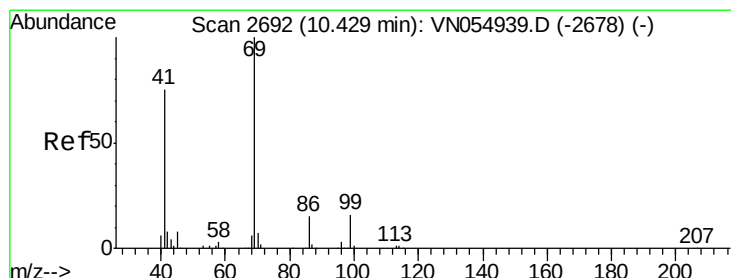
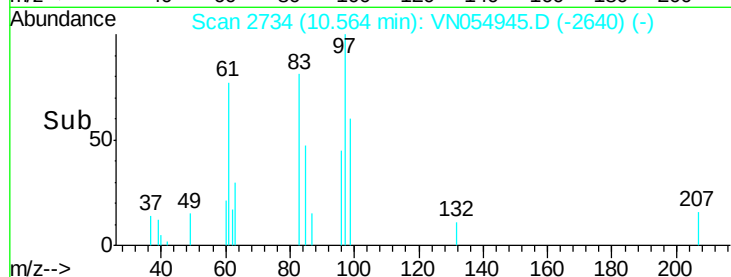
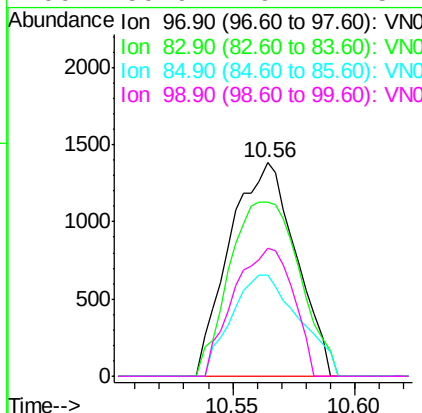
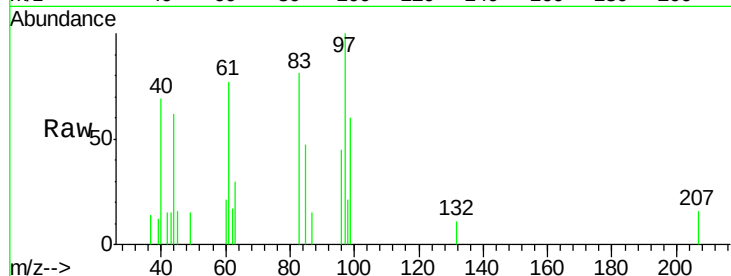
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tgt Ion:	97	Resp:	2604
Ion	Ratio	Lower	Upper
97	100		
83	81.3	71.5	107.3
85	47.2	45.0	67.6
99	59.9	49.1	73.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 0.600 ug/l

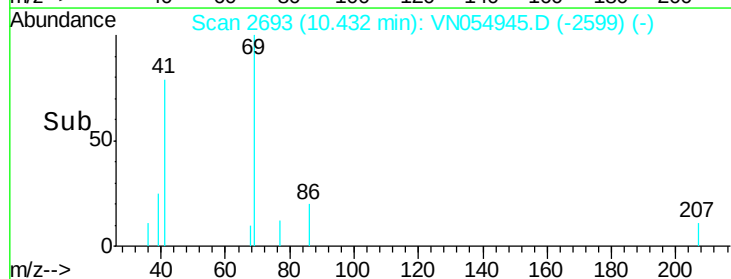
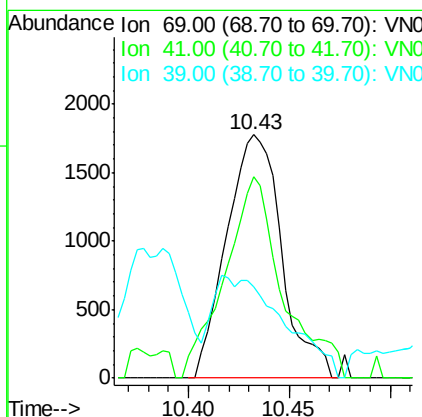
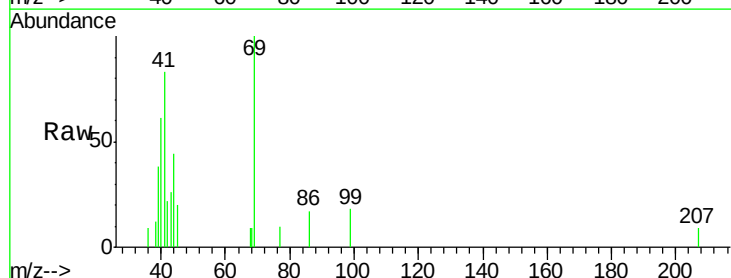
RT: 10.43 min Scan# 2693

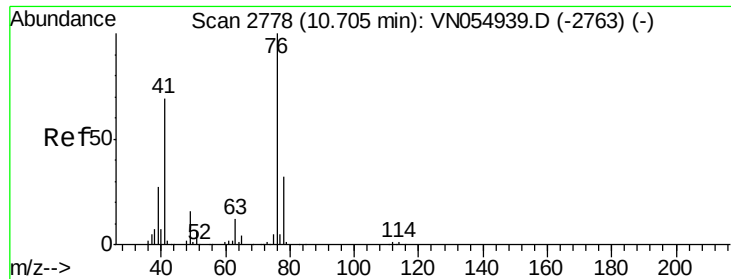
Delta R.T. 0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Tgt Ion:	69	Resp:	3400
Ion	Ratio	Lower	Upper
69	100		
41	86.4	60.2	90.2
39	10.6	31.3	46.9#





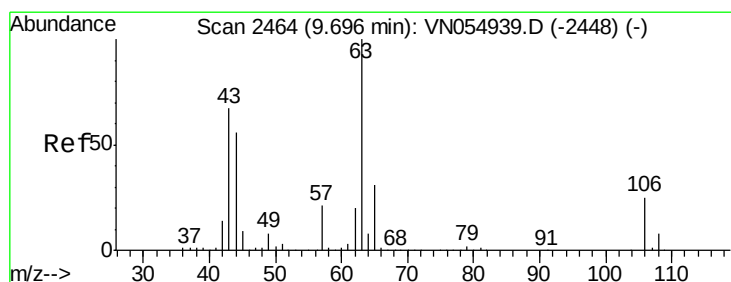
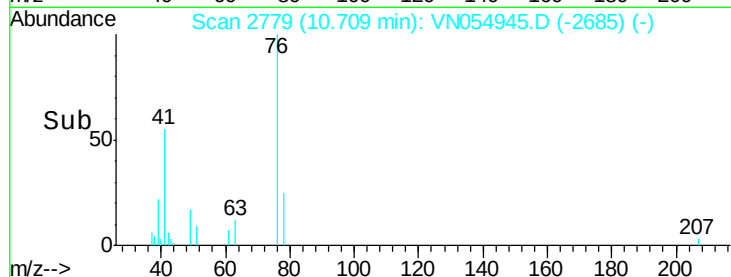
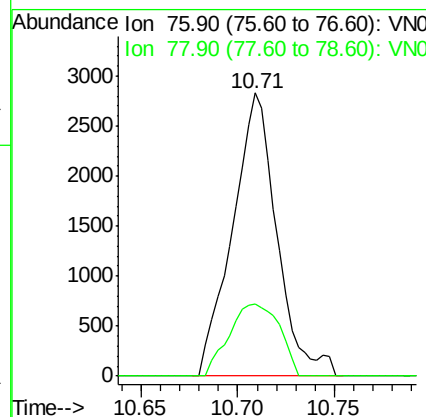
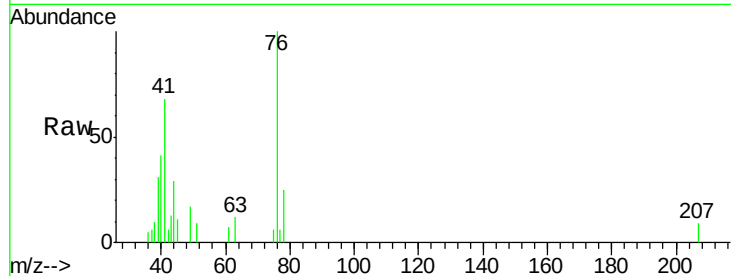
#57
 1,3-Dichloropropane
 Concen: 0.597 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054945.D
 Acq: 4 Apr 2019 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 76 Resp: 4512
 Ion Ratio Lower Upper
 76 100
 78 29.0 25.9 38.9

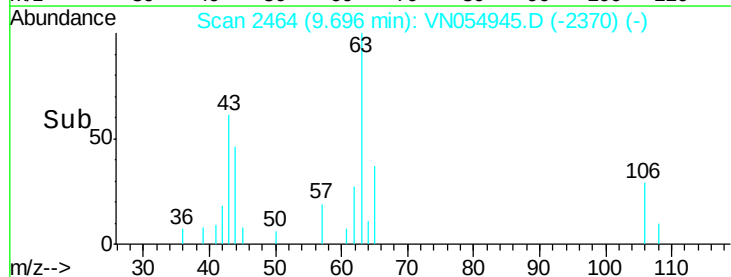
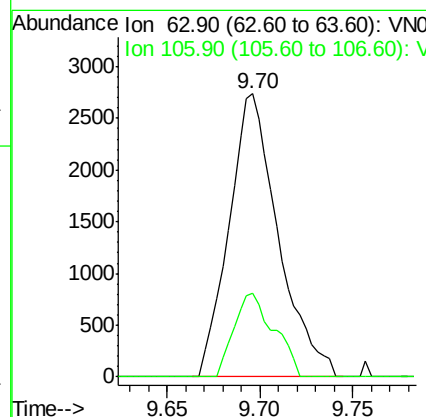
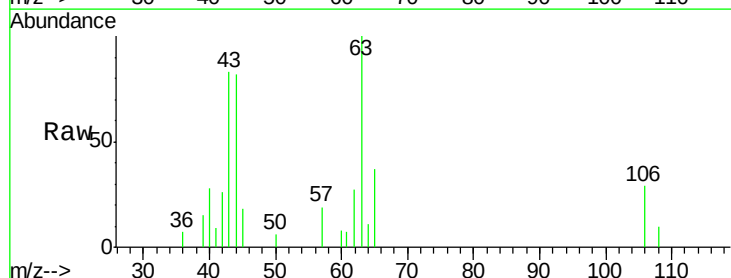
Manual Integrations
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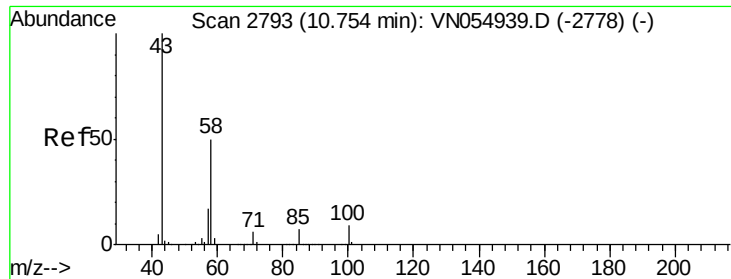
MMDadoda
 4/8/2019 1:43:46 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 2.255 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054945.D
 Acq: 4 Apr 2019 14:14

Tgt Ion: 63 Resp: 5045
 Ion Ratio Lower Upper
 63 100
 106 24.0 19.7 29.5





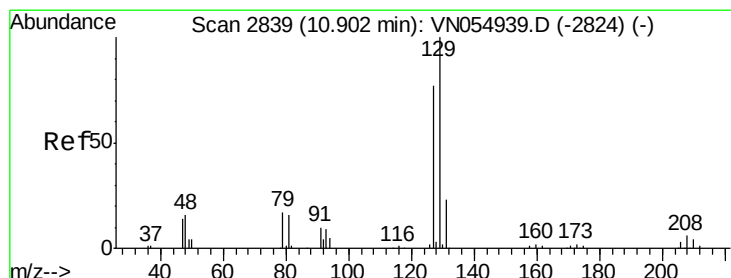
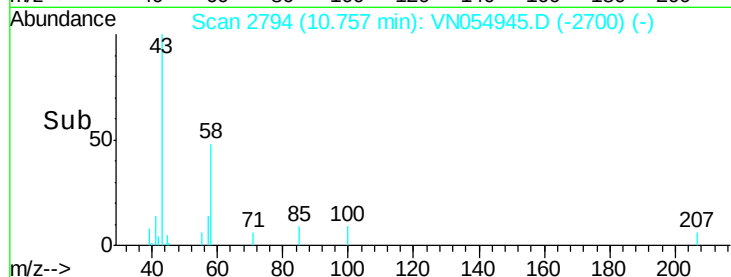
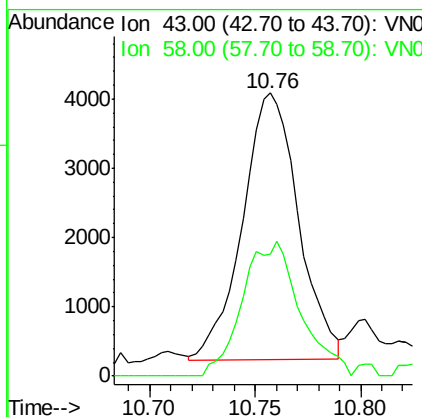
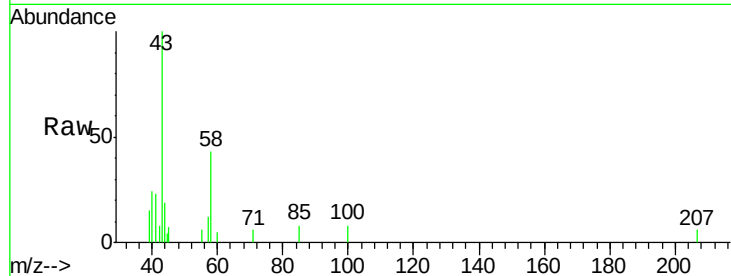
#59
2-Hexanone
Concen: 2.498 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 43 Resp: 7089
Ion Ratio Lower Upper
43 100
58 52.3 24.6 73.8

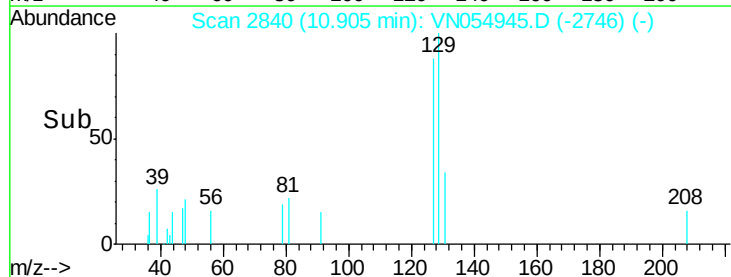
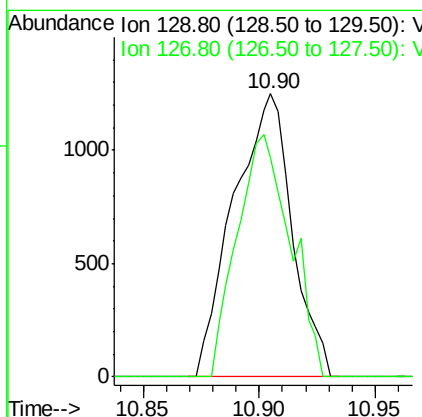
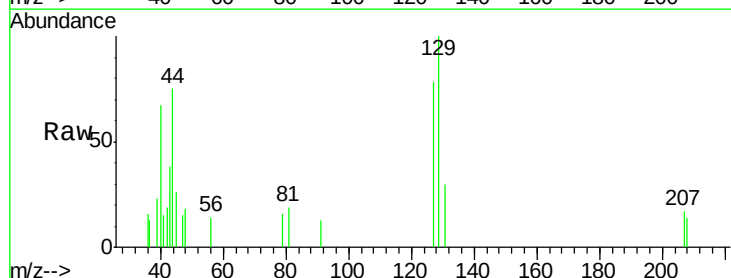
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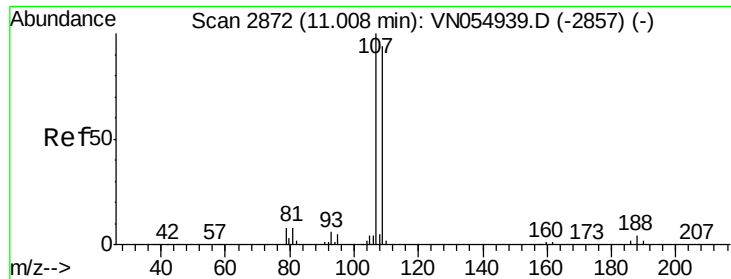
MMDadoda
4/8/2019 1:43:46 PM



#60
Dibromochloromethane
Concen: 0.483 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Tgt Ion: 129 Resp: 2191
Ion Ratio Lower Upper
129 100
127 78.0 38.4 115.2





#61

1,2-Dibromoethane

Concen: 0.646 ug/l

RT: 11.01 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 107 Resp: 2630

Ion Ratio Lower Upper

107 100

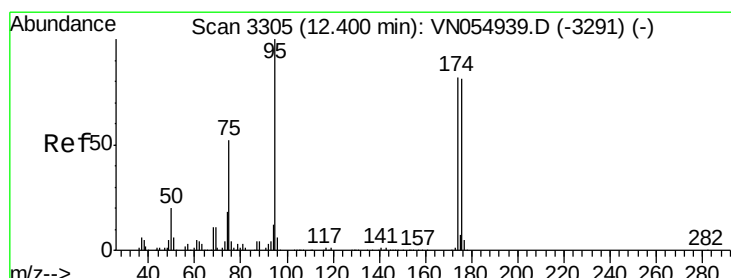
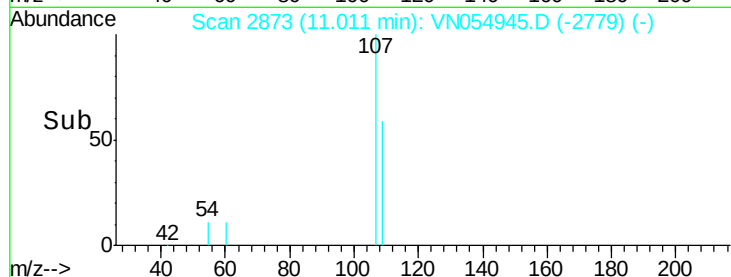
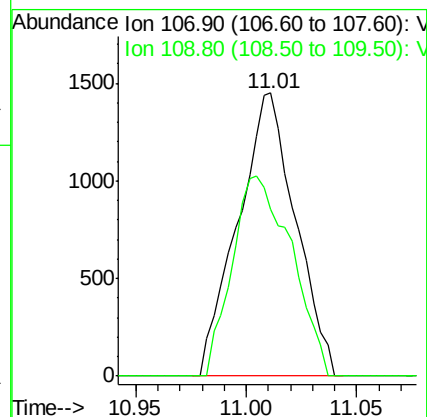
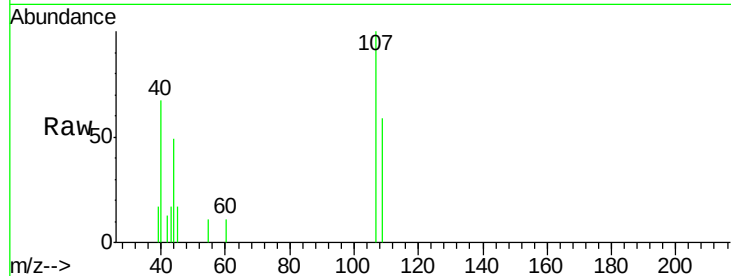
109 72.6 74.6 112.0#

Manual Integrations

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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 43.990 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

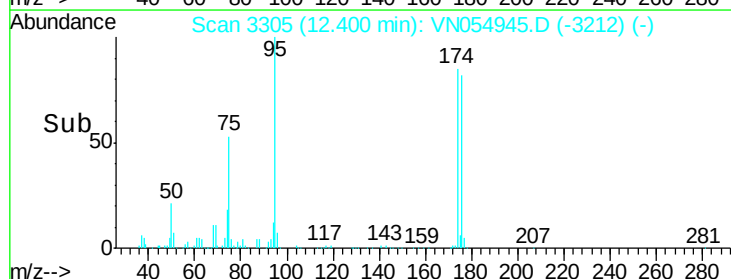
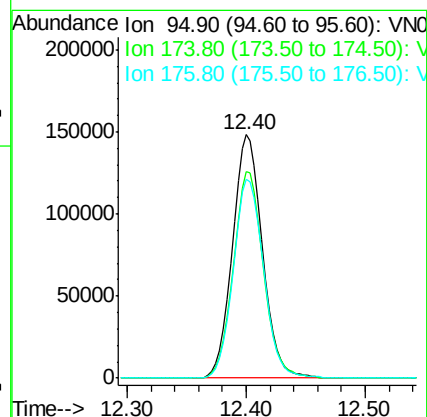
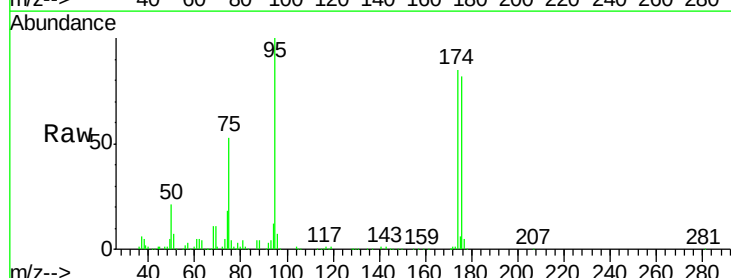
Tgt Ion: 95 Resp: 257738

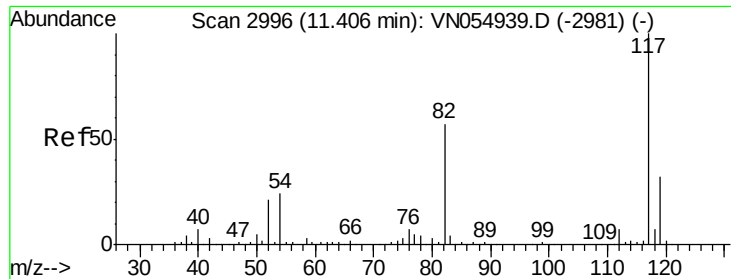
Ion Ratio Lower Upper

95 100

174 85.7 0.0 166.2

176 83.0 0.0 163.2





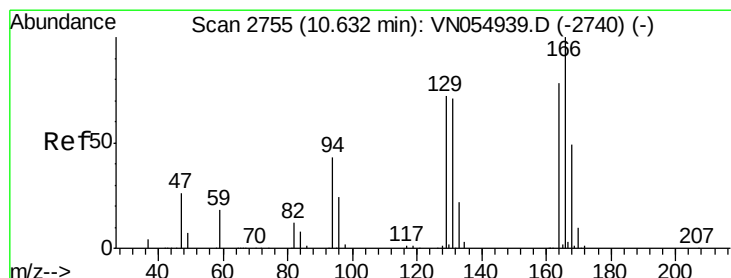
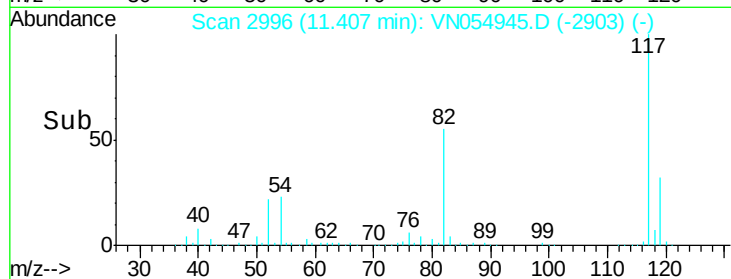
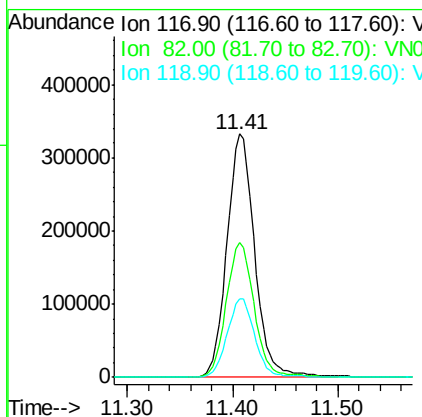
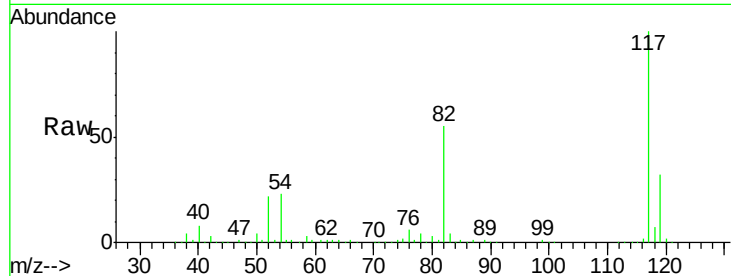
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	605150		
82	55.3	45.3	67.9	
119	32.2	25.8	38.6	

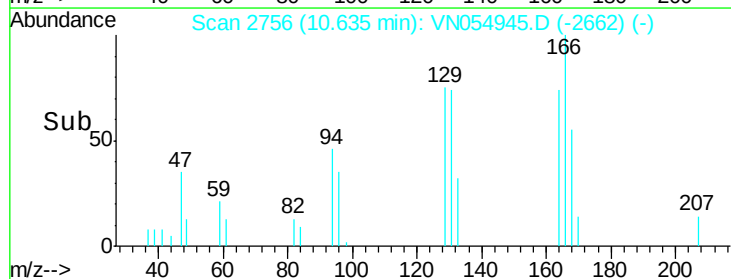
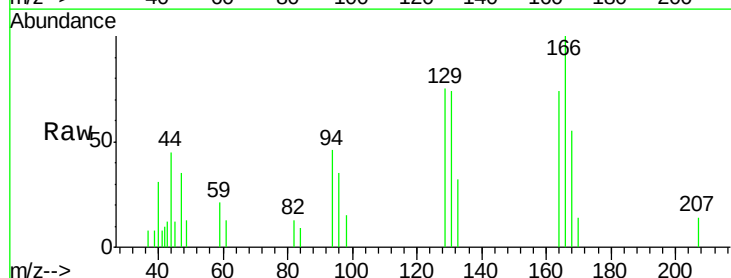
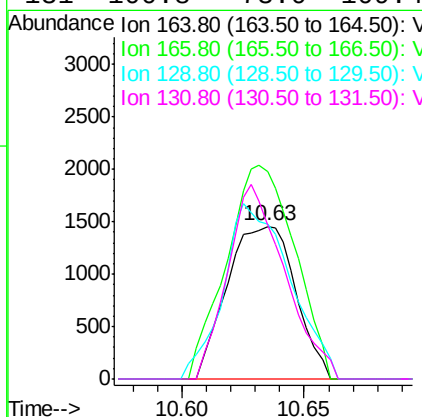
Manual Integrations
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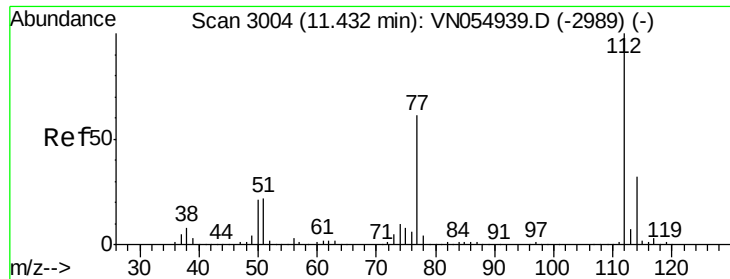
MMDadoda
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#64
Tetrachloroethene
Concen: 0.580 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	2831		
166	135.6	103.1	154.7	
129	101.9	73.9	110.9	
131	100.8	73.0	109.4	





#65

Chlorobenzene

Concen: 0.632 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tgt Ion:112 Resp: 7790

Ion Ratio Lower Upper

112 100

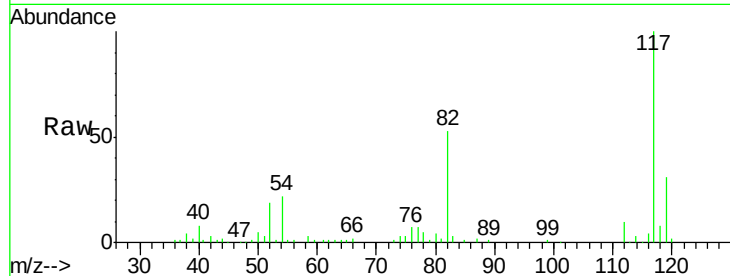
114 29.0 25.4 38.0

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

4000

3000

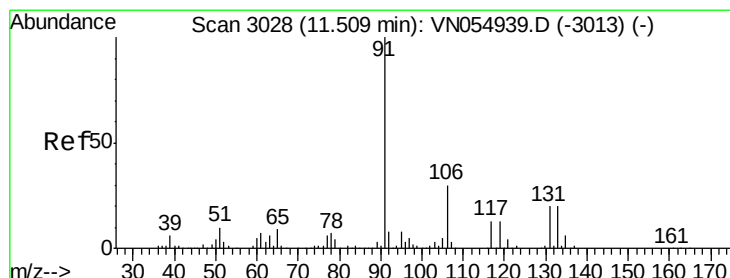
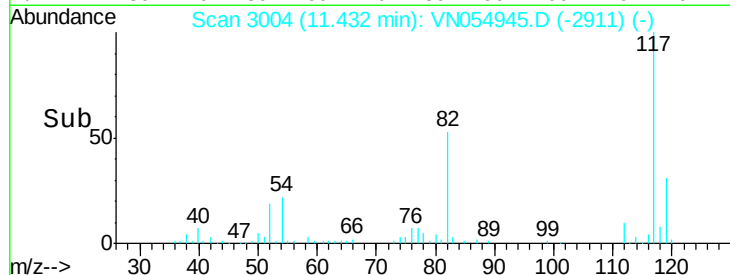
2000

1000

0

Time-->

11.40 11.45



#66

1,1,1,2-Tetrachloroethane

Concen: 0.579 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

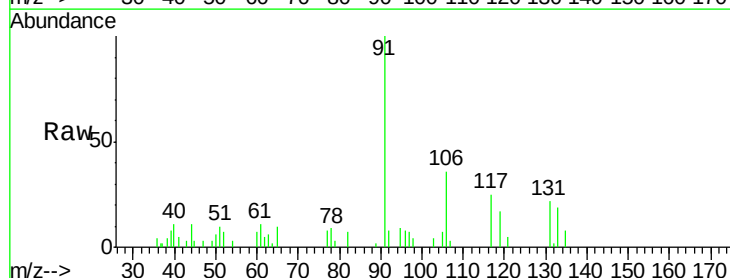
Tgt Ion:131 Resp: 2615

Ion Ratio Lower Upper

131 100

133 93.3 48.1 144.4

119 0.0 33.1 99.2#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

6000

5000

4000

3000

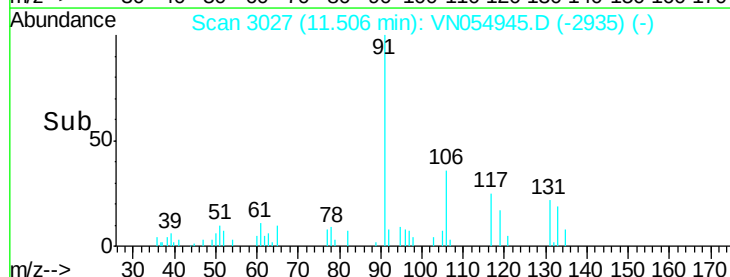
2000

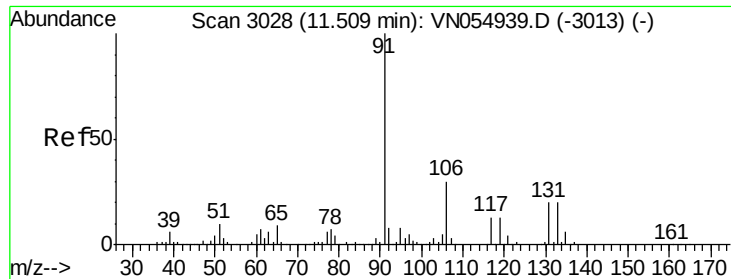
1000

0

Time-->

11.45 11.50 11.55





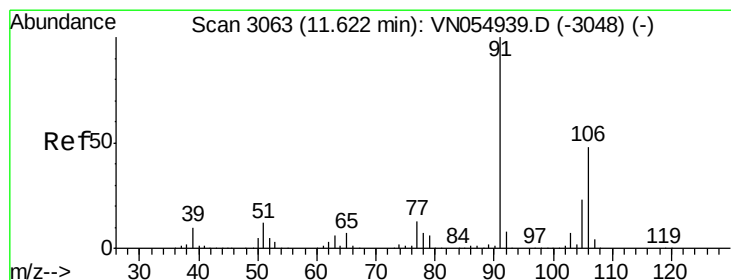
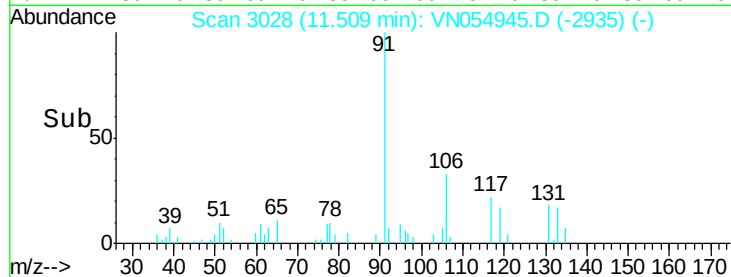
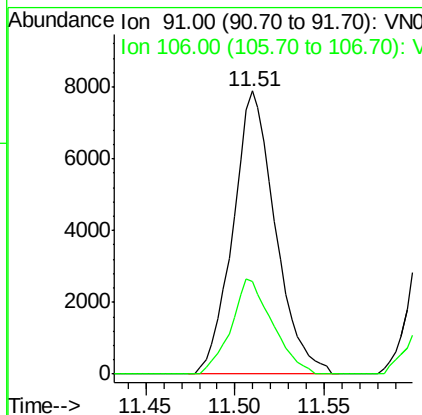
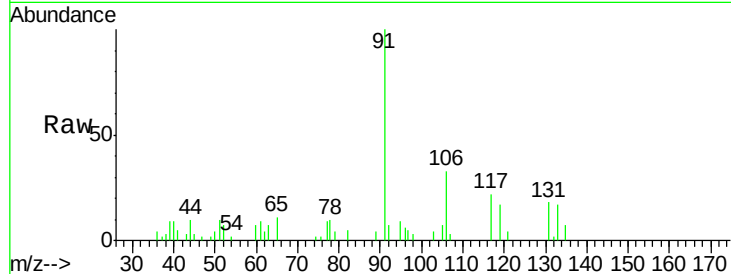
#67
Ethyl Benzene
Concen: 0.588 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 91 Resp: 13082
Ion Ratio Lower Upper
91 100
106 32.9 24.1 36.1

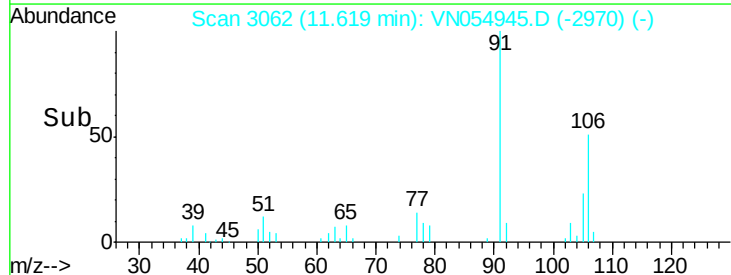
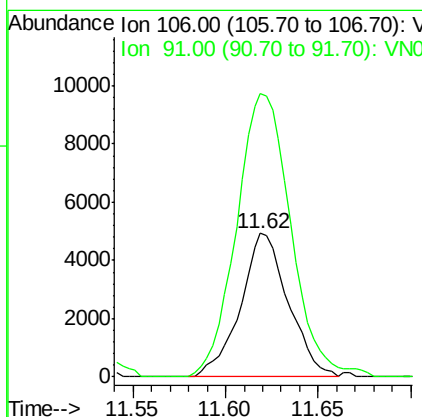
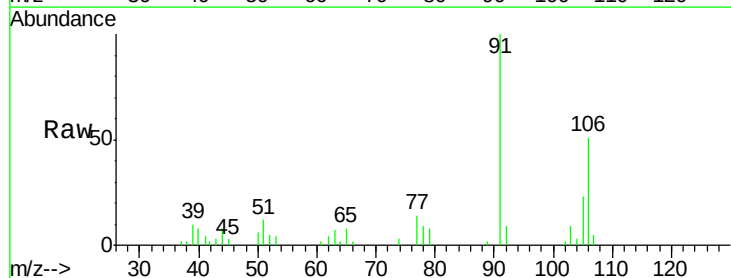
Manual Integrations
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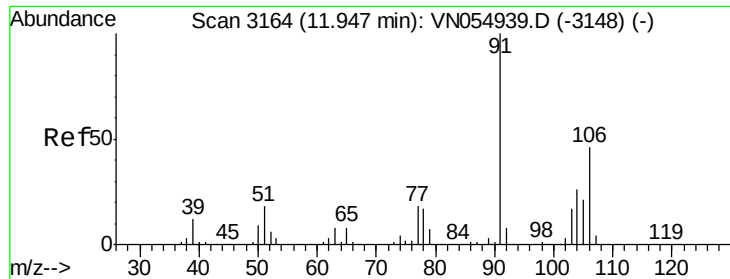
MMDadoda
4/8/2019 1:43:46 PM



#68
m/p-Xylenes
Concen: 1.088 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Tgt Ion: 106 Resp: 8843
Ion Ratio Lower Upper
106 100
91 223.4 167.4 251.2





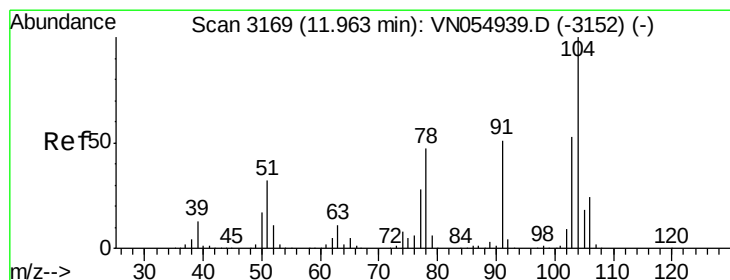
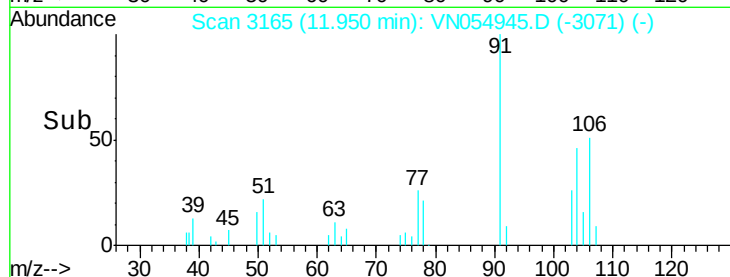
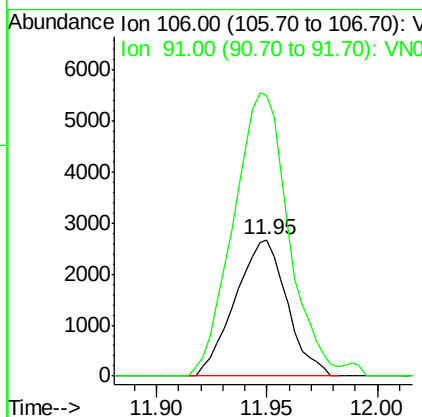
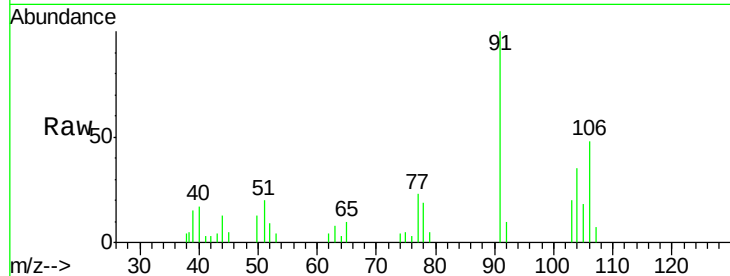
#69
o-Xylene
Concen: 0.553 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion:106 Resp: 4383
Ion Ratio Lower Upper
106 100
91 220.6 109.9 329.7

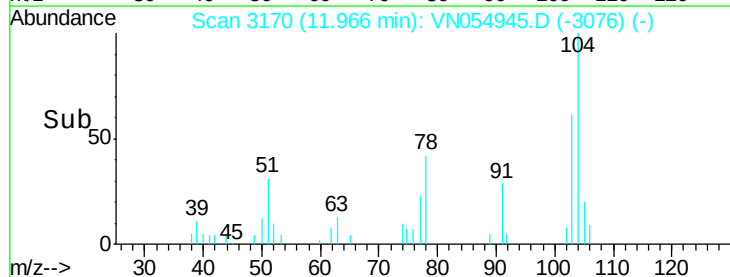
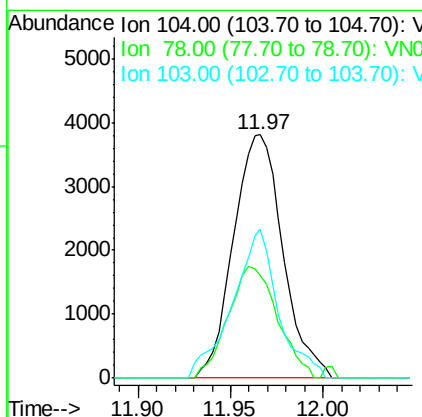
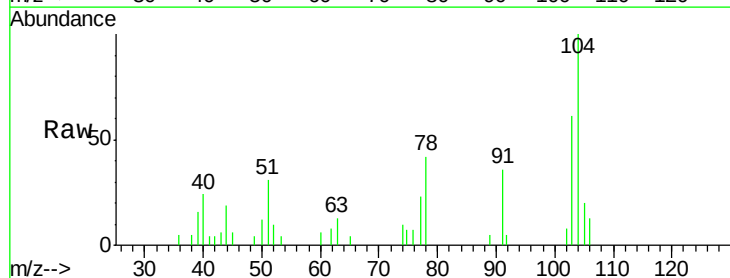
Manual Integrations
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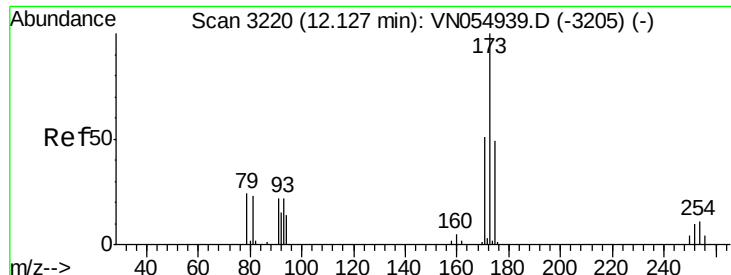
MMDadoda
4/8/2019 1:43:46 PM



#70
Styrene
Concen: 0.553 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Tgt Ion:104 Resp: 7028
Ion Ratio Lower Upper
104 100
78 45.7 41.1 61.7
103 56.5 45.0 67.4





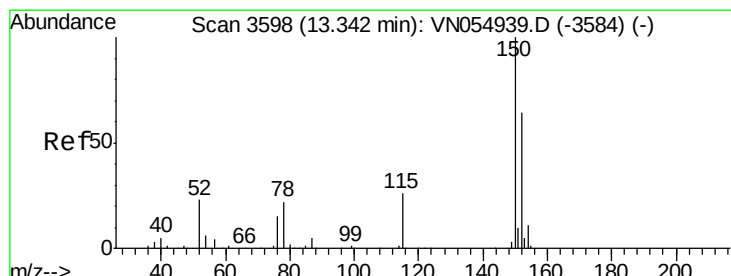
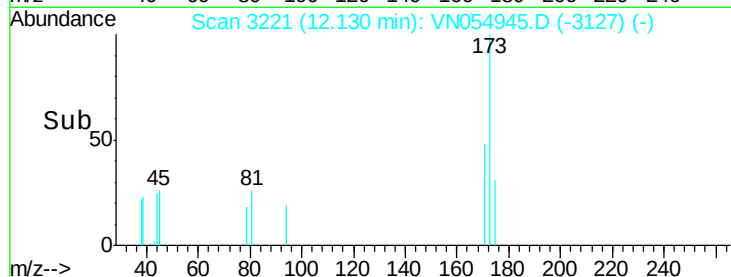
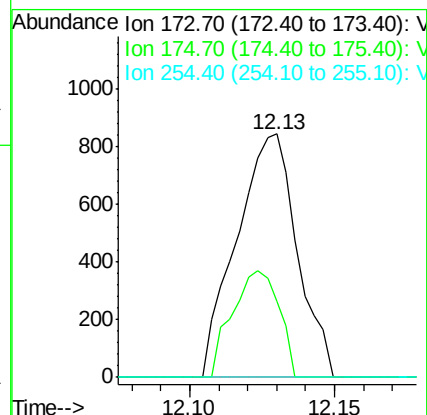
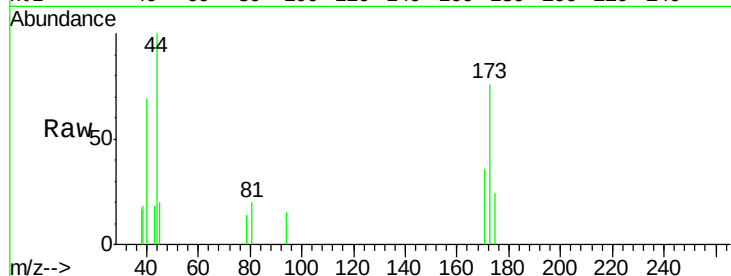
#71
Bromoform
Concen: 0.452 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.1	72.4#
254	0.0	0.0	0.0

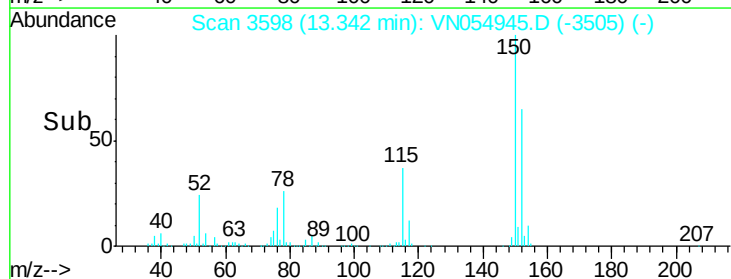
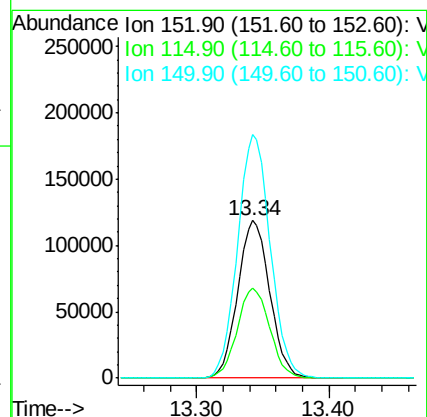
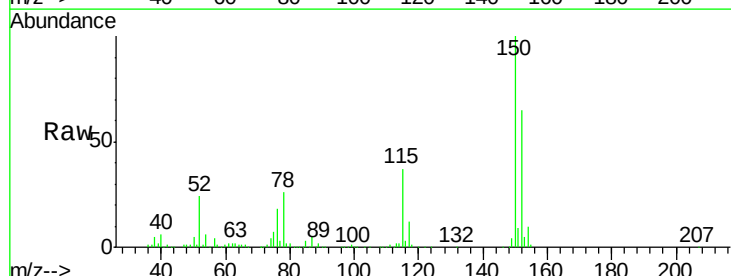
Manual Integrations
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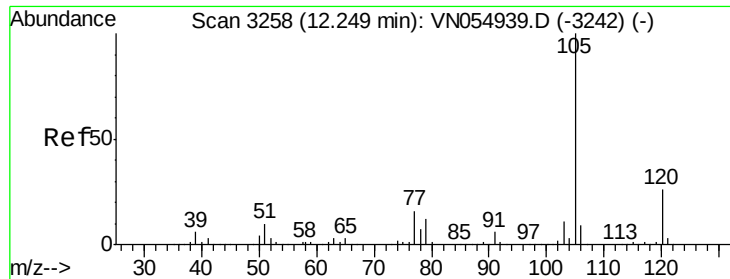
MMDadoda
4/8/2019 1:43:46 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.9	86.8
150	156.4	0.0	345.4





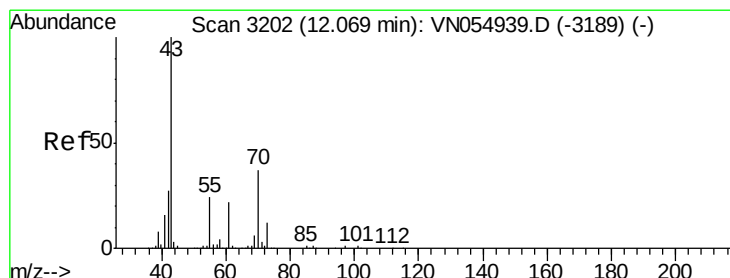
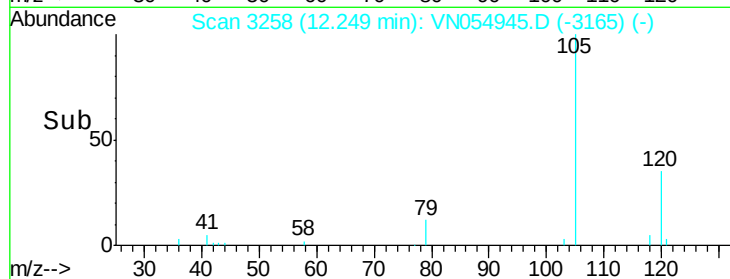
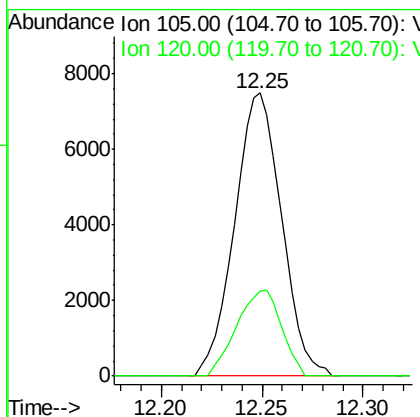
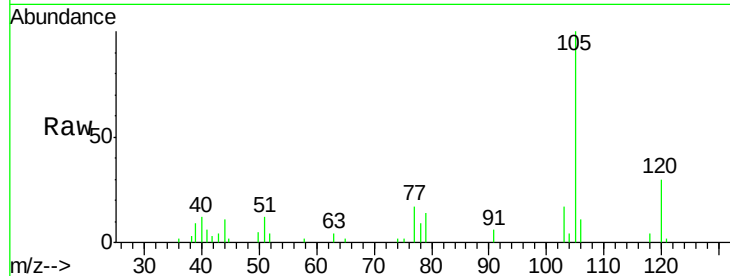
#73
Isopropylbenzene
Concen: 0.724 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.8	13.0	39.0

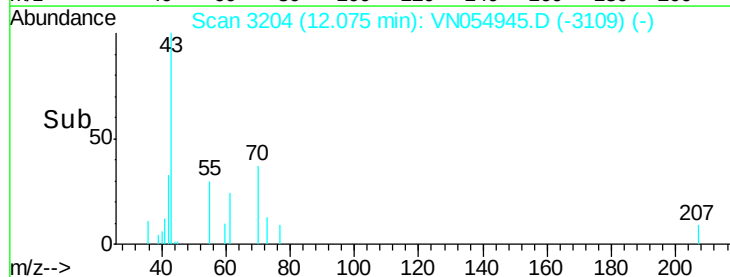
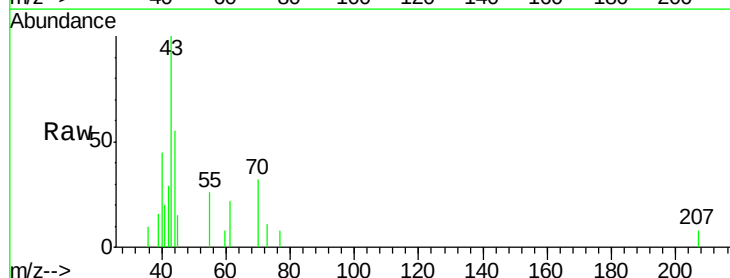
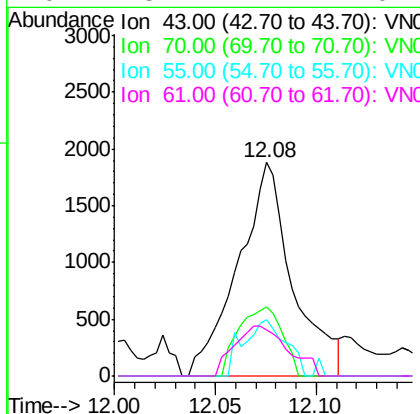
Manual Integrations
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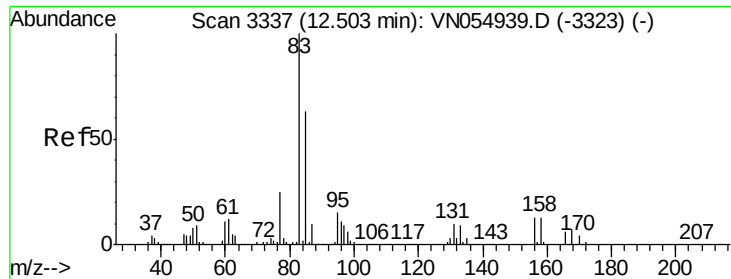
MMDadoda
4/8/2019 1:43:46 PM



#74
N-ethyl acetate
Concen: 0.757 ug/l
RT: 12.08 min Scan# 3204
Delta R.T. 0.01 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Tgt Ion	Ratio	Lower	Upper
43	100		
70	26.1	29.3	43.9#
55	20.7	19.2	28.8
61	23.1	17.4	26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 0.745 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Instrument :

MSVOA_N

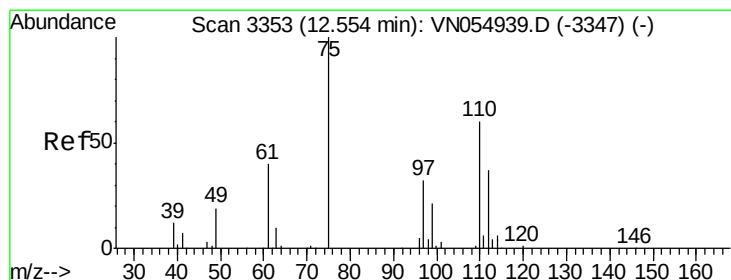
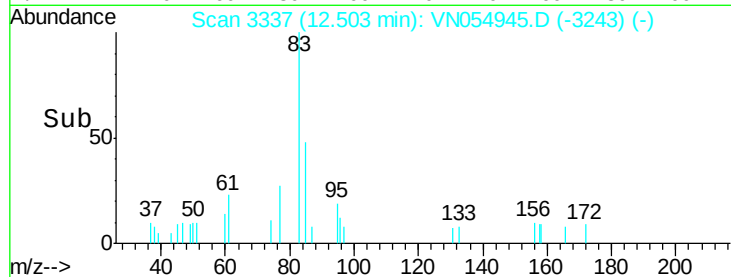
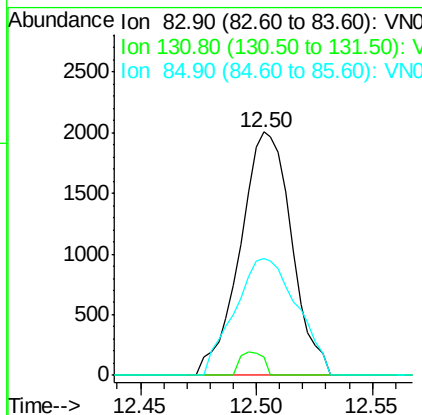
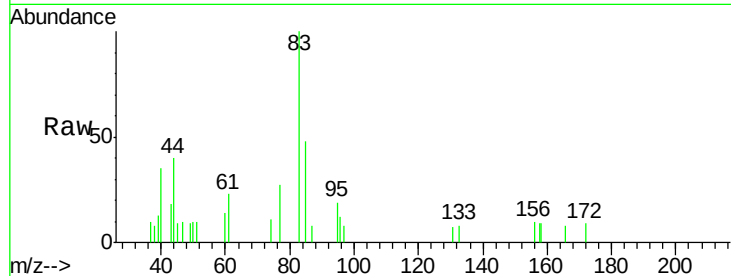
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tgt Ion	Ratio	Lower	Upper
83	100		
131	4.3	5.0	15.0#
85	58.4	31.4	94.0

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#76

1,2,3-Trichloropropane

Concen: 0.617 ug/l m

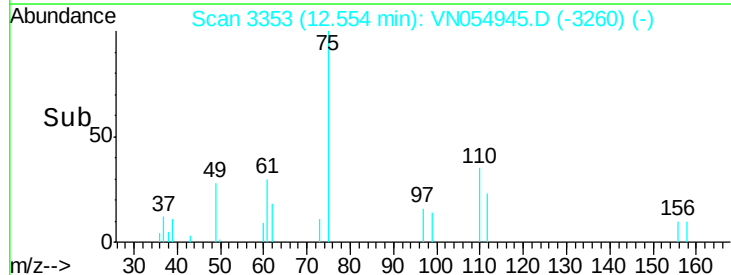
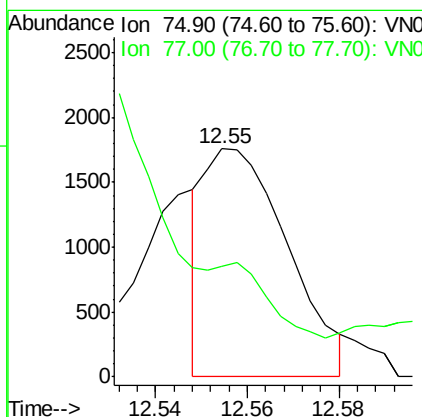
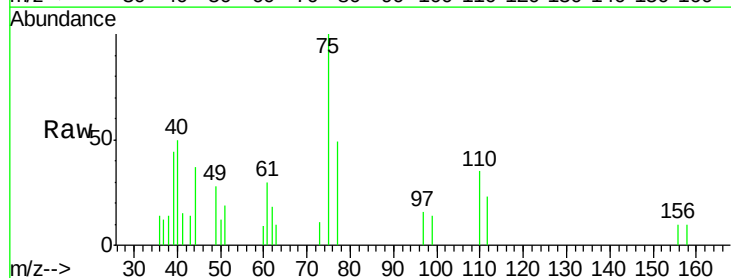
RT: 12.55 min Scan# 3353

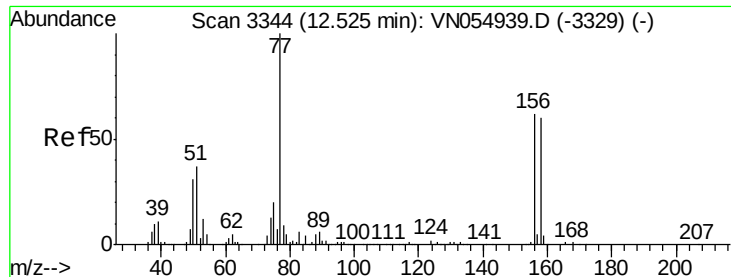
Delta R.T. 0.00 min

Lab File: VN054945.D

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Tgt Ion	Ratio	Lower	Upper
75	100		
77	72.6	0.0	0.0#





#77

Bromobenzene

Concen: 0.735 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Instrument :

MSVOA_N

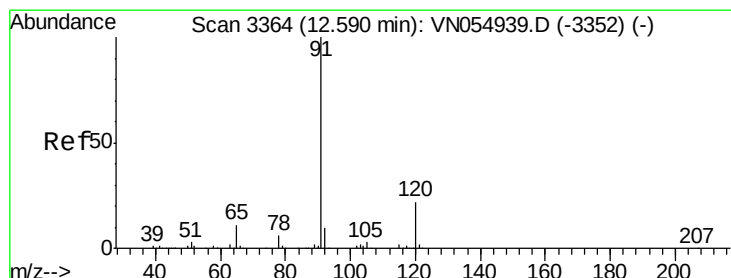
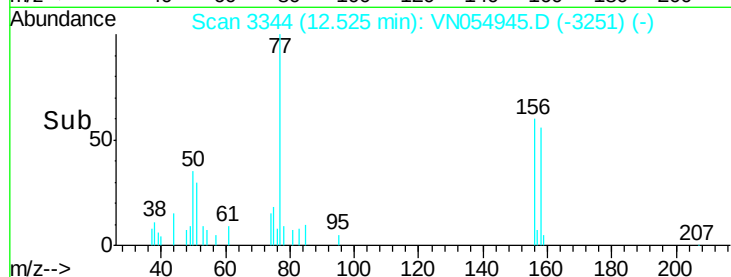
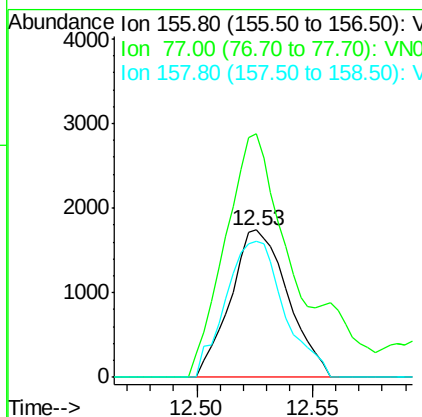
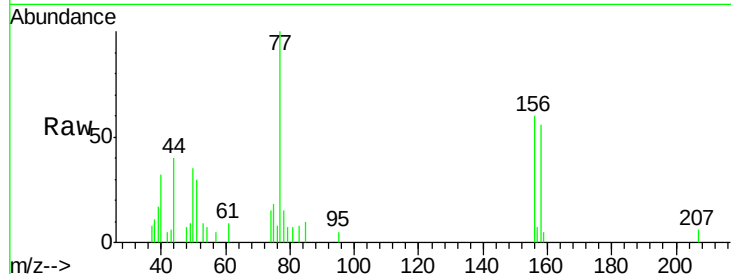
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tgt Ion:	156	Resp:	3006
Ion	Ratio	Lower	Upper
156	100		
77	172.6	93.1	279.3
158	93.9	48.4	145.3

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#78

n-propylbenzene

Concen: 0.723 ug/l

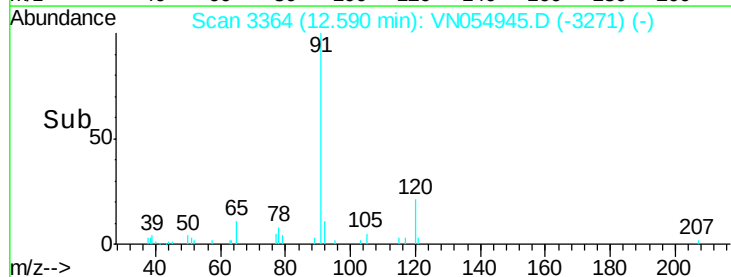
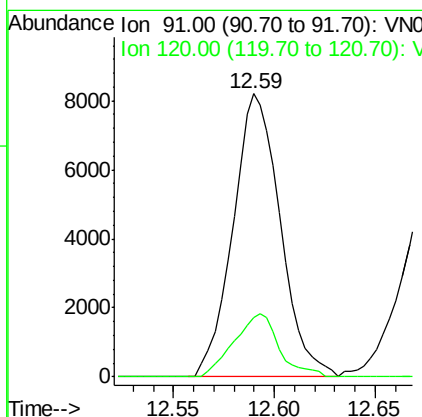
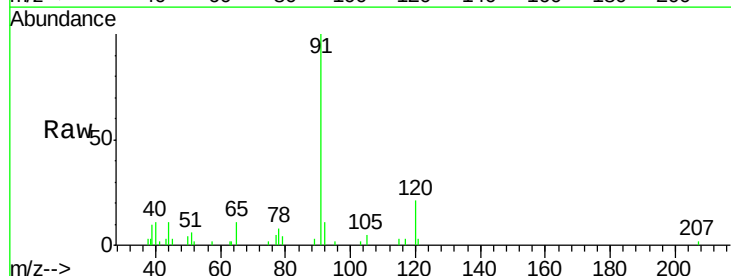
RT: 12.59 min Scan# 3364

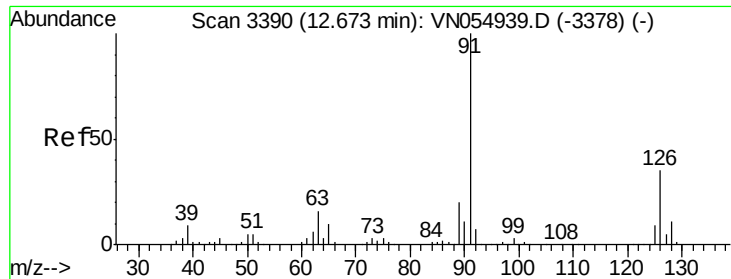
Delta R.T. 0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Tgt Ion:	91	Resp:	13454
Ion	Ratio	Lower	Upper
91	100		
120	21.2	11.2	33.6





#79

2-Chlorotoluene

Concen: 0.751 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 91 Resp: 8662

Ion Ratio Lower Upper

91 100

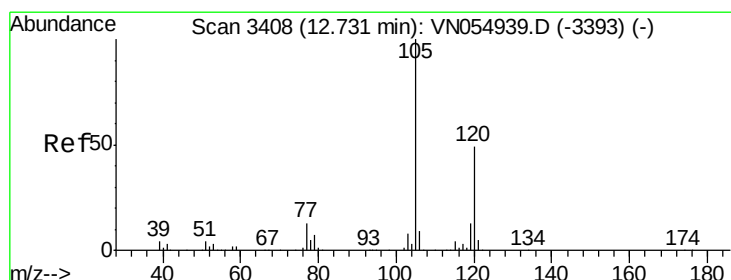
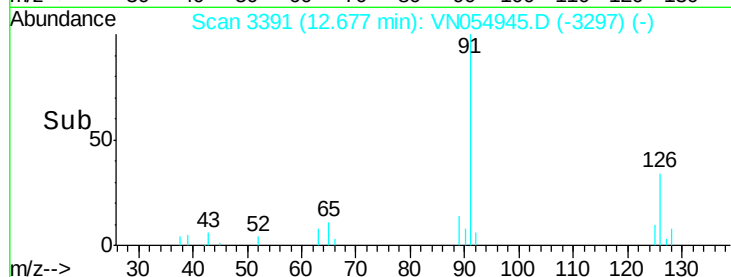
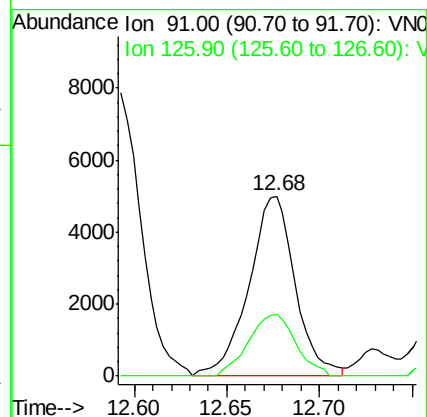
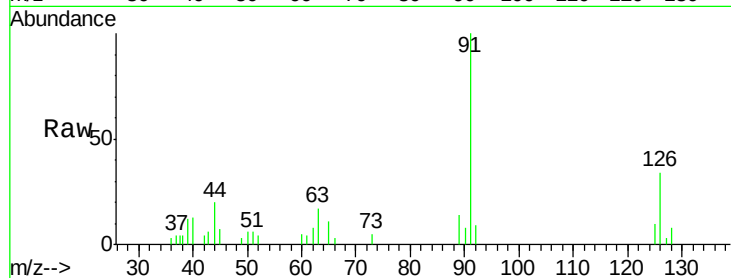
126 34.9 17.4 52.2

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#80

1,3,5-Trimethylbenzene

Concen: 0.696 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054945.D

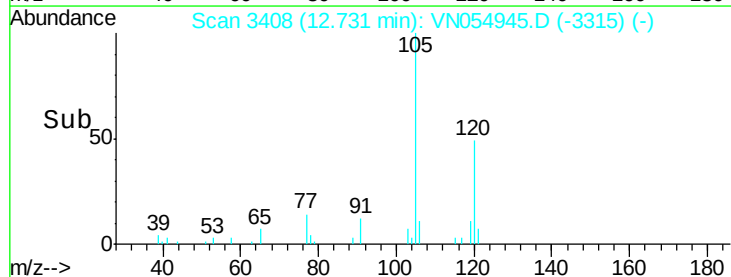
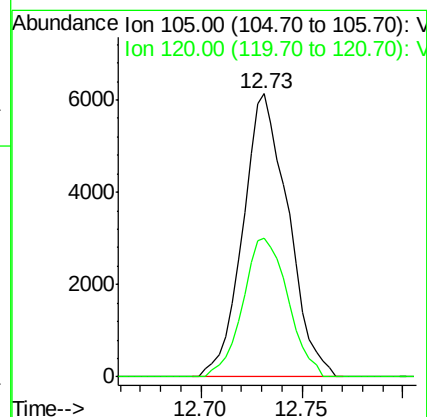
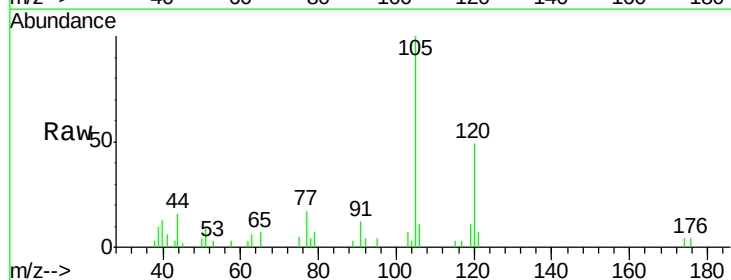
Acq: 4 Apr 2019 14:14

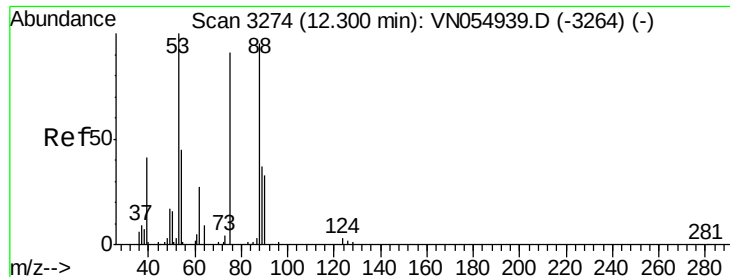
Tgt Ion: 105 Resp: 9649

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.3





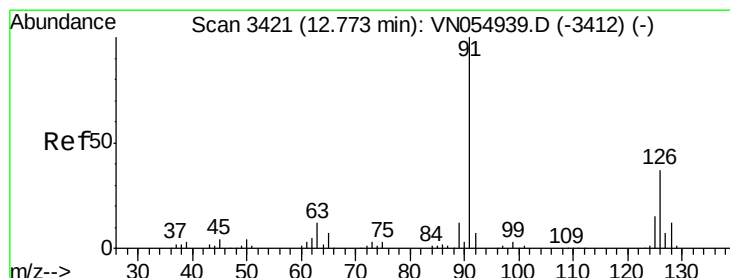
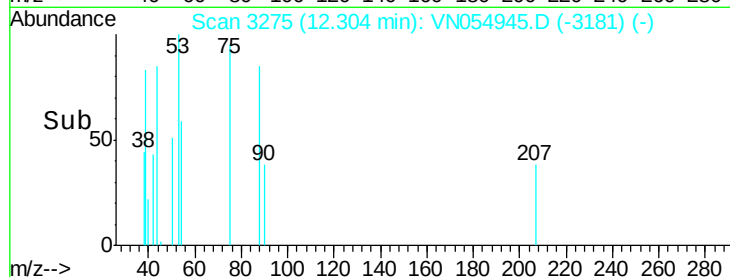
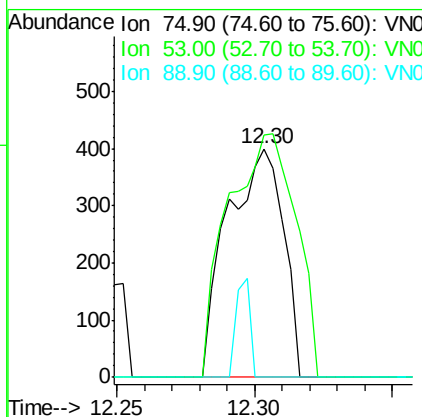
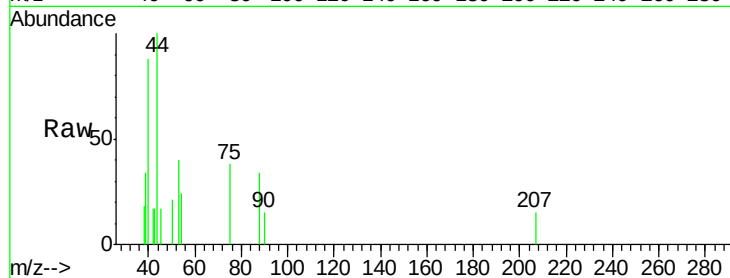
#81
trans-1,4-Dichloro-2-butene
Concen: 0.653 ug/l m
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 75 Resp: 565
Ion Ratio Lower Upper
75 100
53 5.5 92.8 139.2#
89 0.0 36.7 55.1#

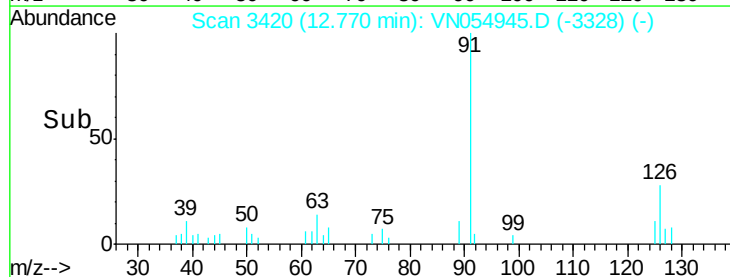
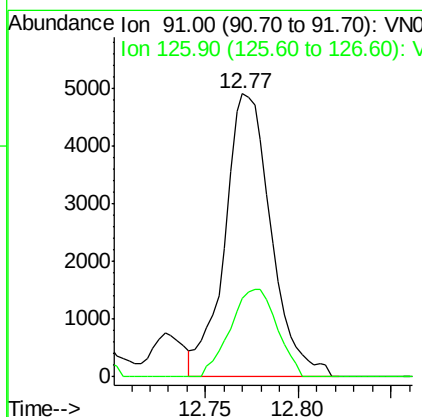
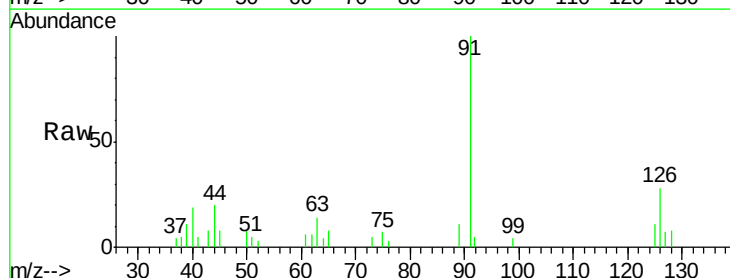
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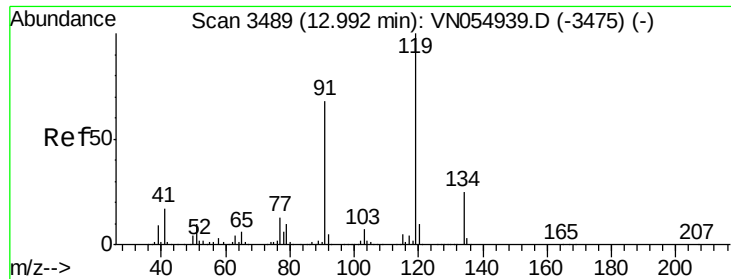
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#82
4-Chlorotoluene
Concen: 0.781 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Tgt Ion: 91 Resp: 8518
Ion Ratio Lower Upper
91 100
126 31.1 16.9 50.7





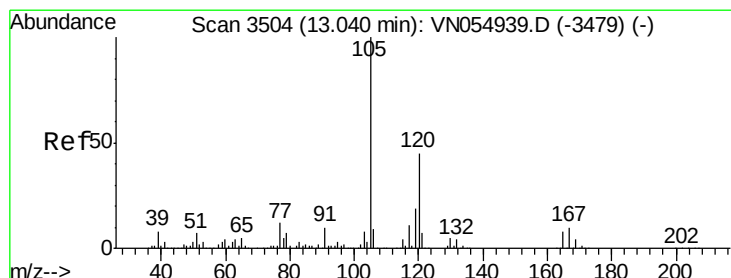
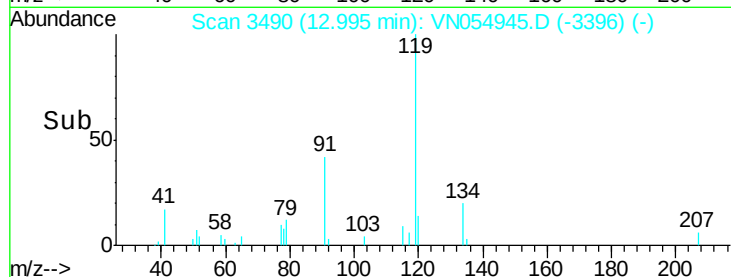
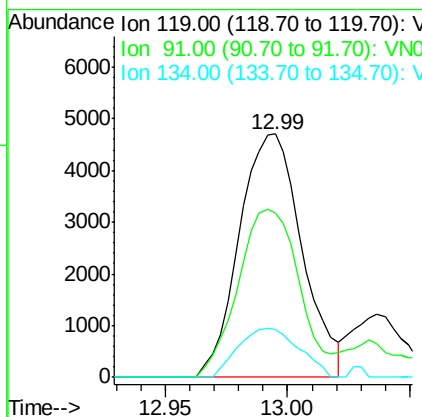
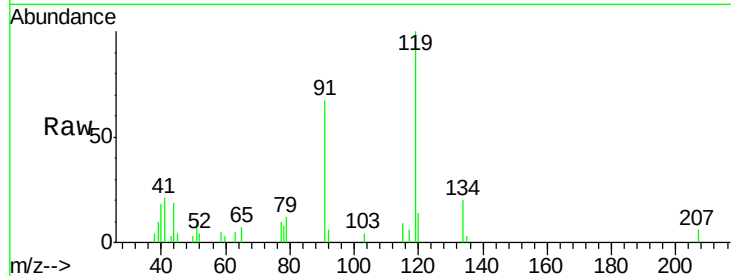
#83
 tert-Butylbenzene
 Concen: 0.710 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054945.D
 Acq: 4 Apr 2019 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tgt Ion:119 Resp: 8382
 Ion Ratio Lower Upper
 119 100
 91 67.1 33.5 100.5
 134 19.6 12.4 37.0

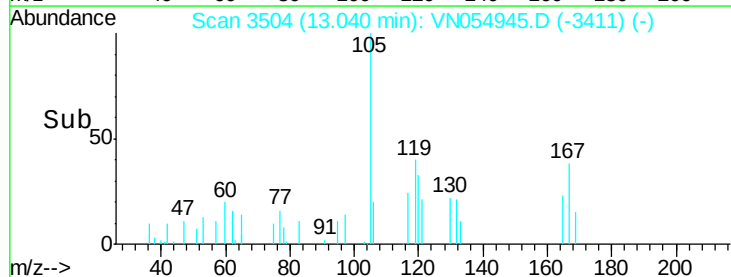
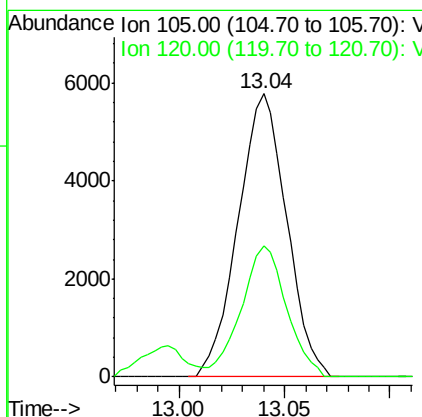
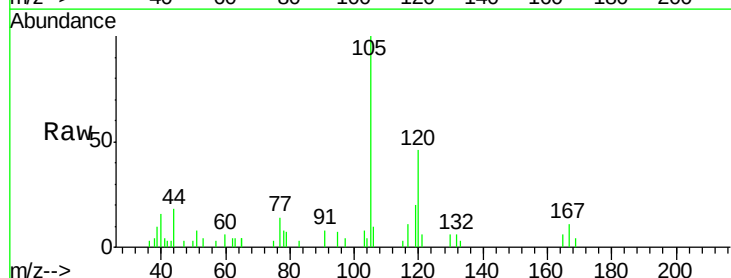
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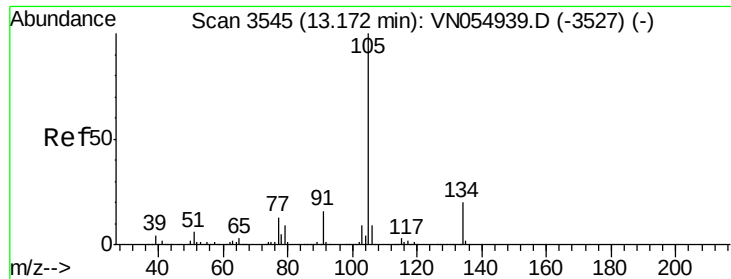
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#84
 1,2,4-Trimethylbenzene
 Concen: 0.687 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054945.D
 Acq: 4 Apr 2019 14:14

Tgt Ion:105 Resp: 9223
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.4 67.3





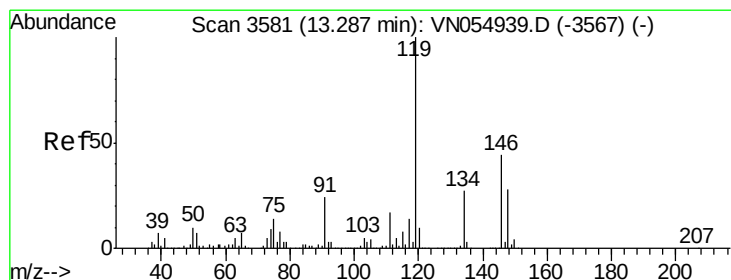
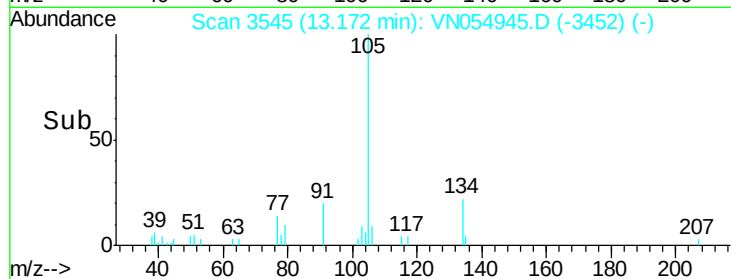
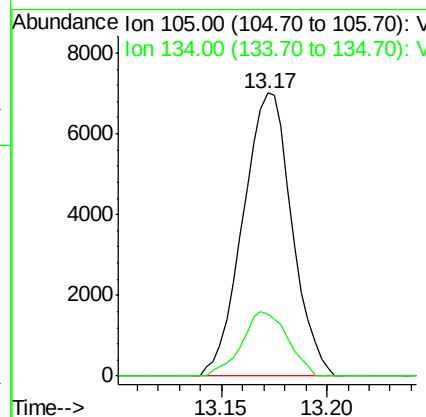
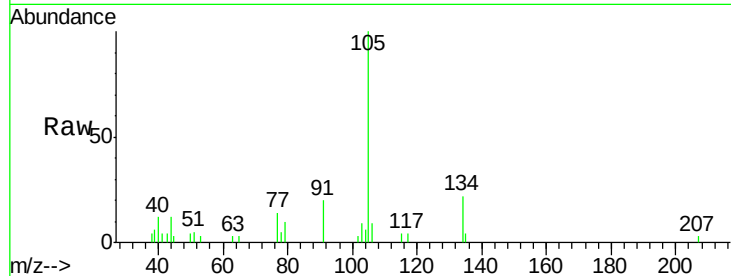
#85
 sec-Butylbenzene
 Concen: 0.741 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054945.D
 Acq: 4 Apr 2019 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.4	9.8	29.5

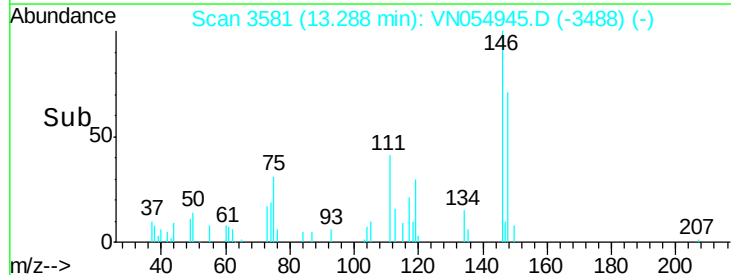
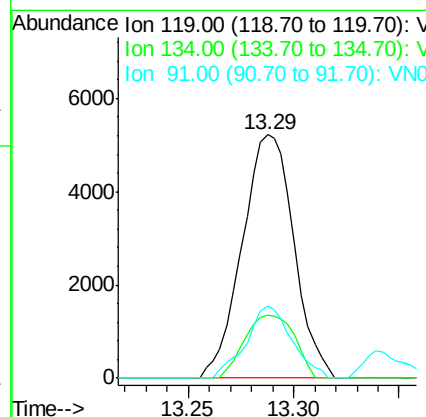
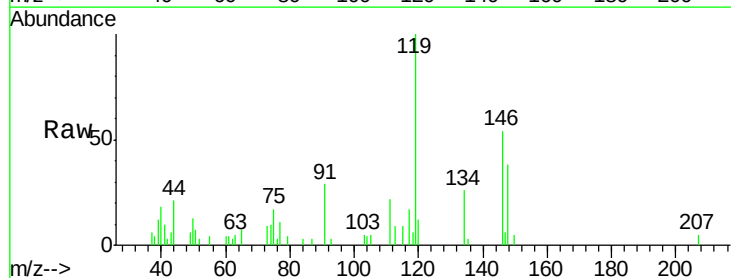
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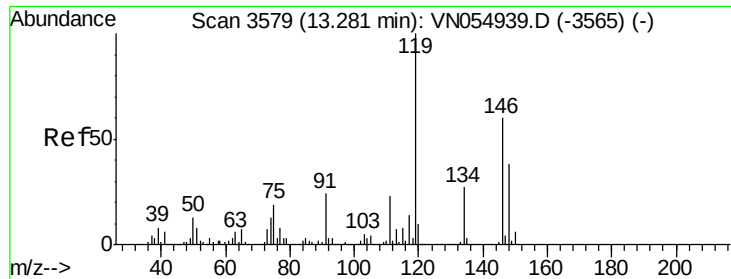
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#86
 p-Isopropyltoluene
 Concen: 0.676 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054945.D
 Acq: 4 Apr 2019 14:14

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.0	13.5	40.5
91	26.2	11.9	35.7





#87

1,3-Dichlorobenzene

Concen: 0.793 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Instrument :

MSVOA_N

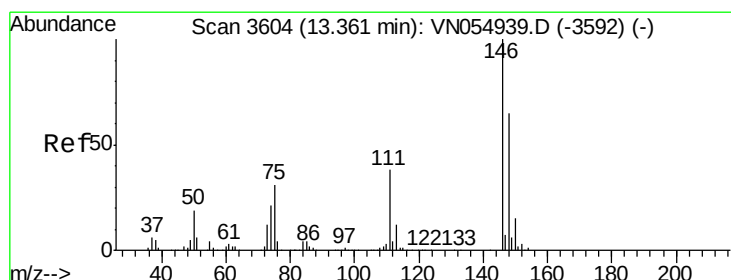
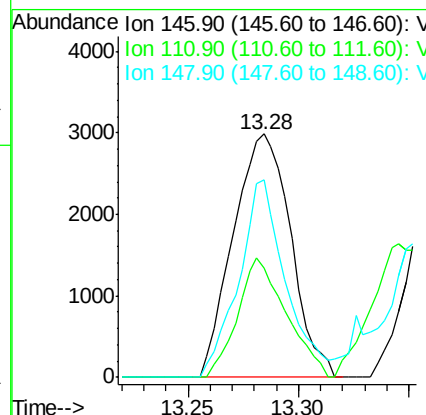
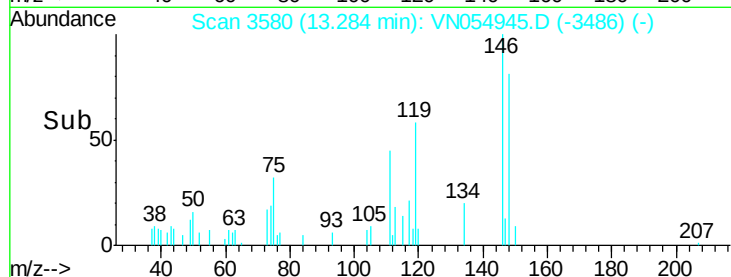
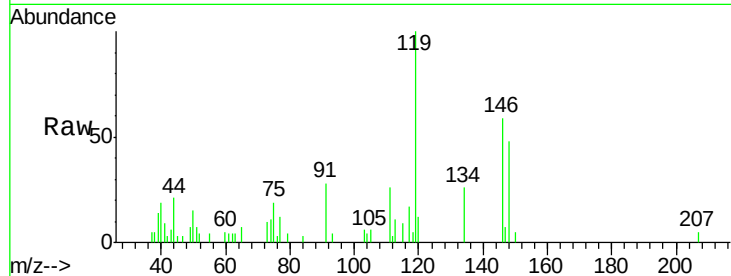
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tgt Ion:	146	Resp:	5393
Ion Ratio	Lower	Upper	
146	100		
111	41.4	19.6	58.7
148	66.5	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 0.730 ug/l m

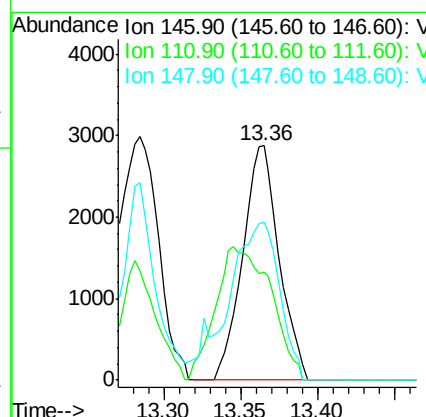
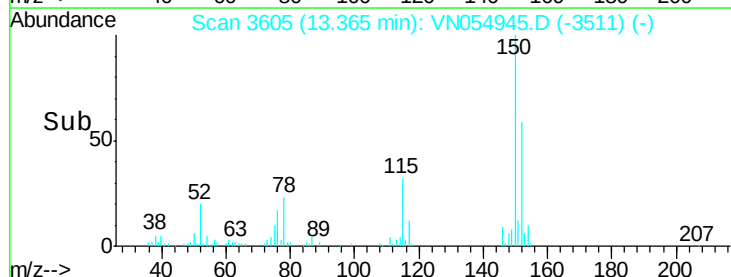
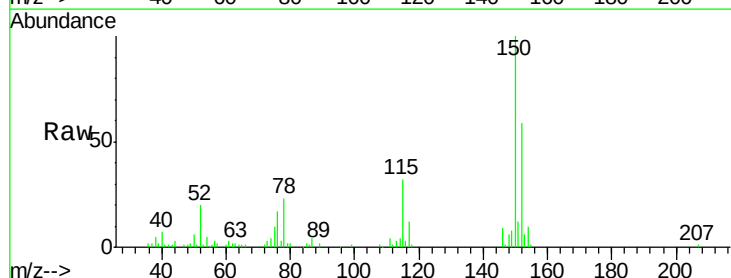
RT: 13.36 min Scan# 3605

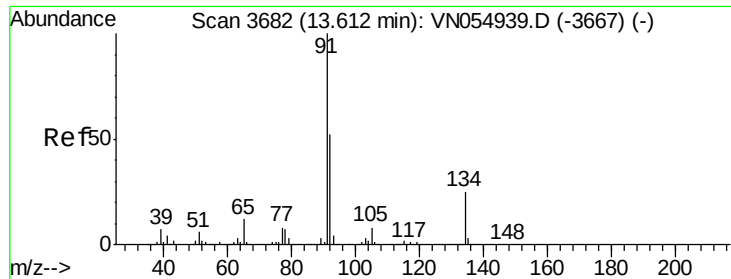
Delta R.T. 0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Tgt Ion:	146	Resp:	4726
Ion Ratio	Lower	Upper	
146	100		
111	47.2	19.2	57.6
148	75.9	31.9	95.7





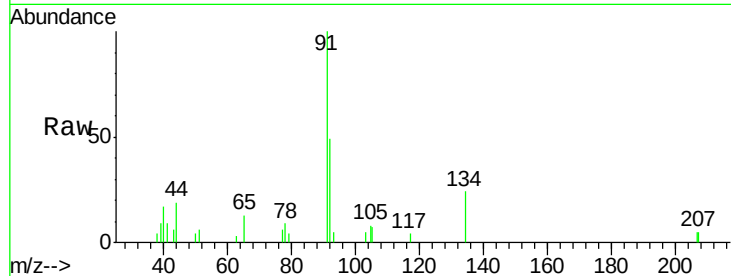
#89
n-Butylbenzene
Concen: 0.743 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

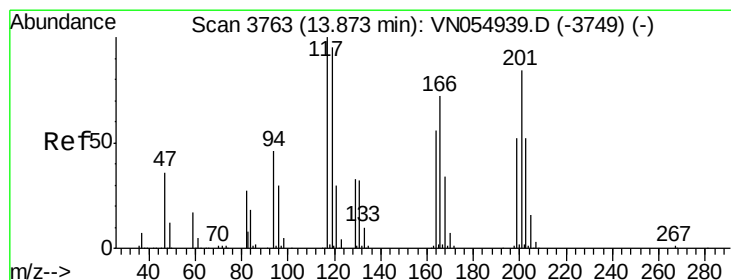
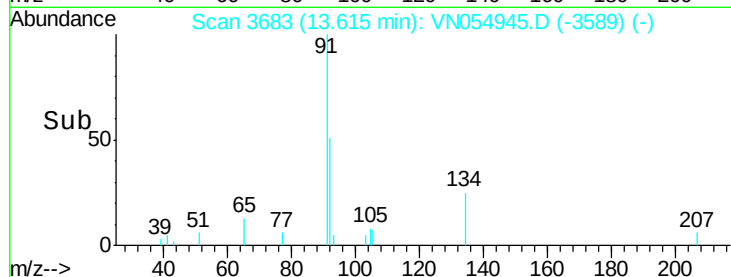
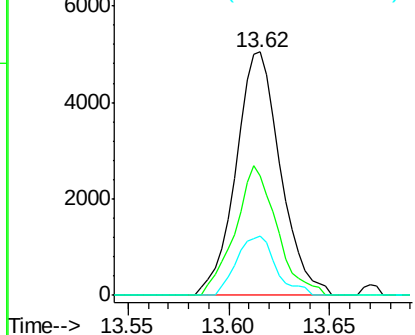
Tgt Ion: 91 Resp: 7809
Ion Ratio Lower Upper
91 100
92 49.6 26.1 78.2
134 21.6 12.6 37.8

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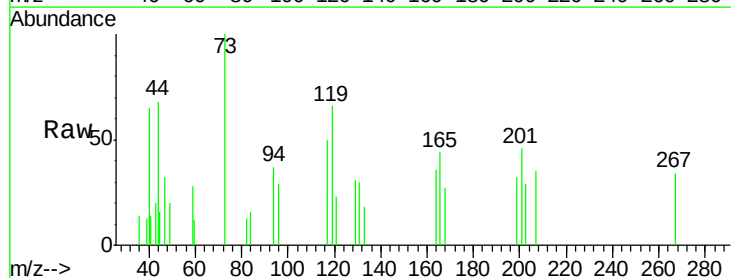


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

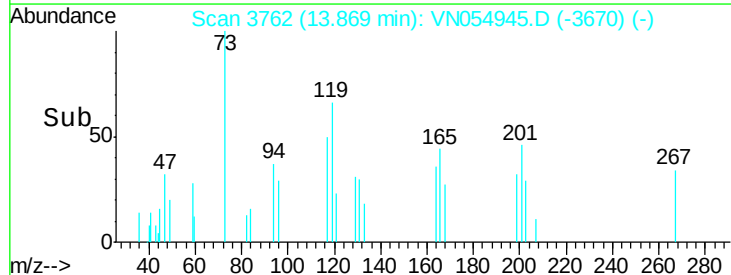
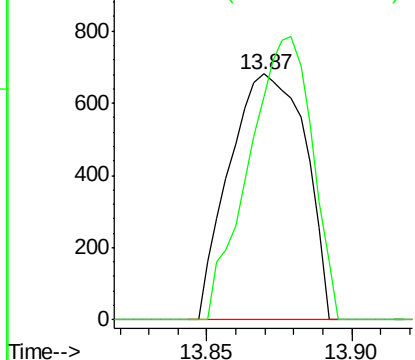


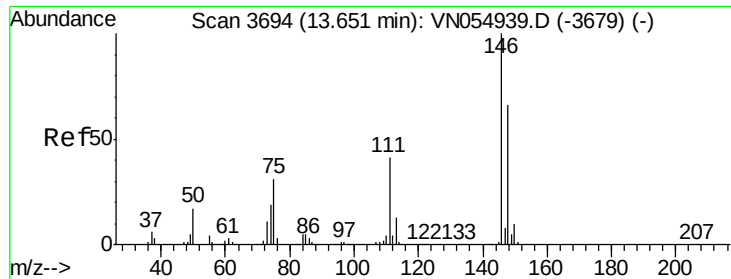
#90
Hexachloroethane
Concen: 0.560 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN054945.D
Acq: 4 Apr 2019 14:14

Tgt Ion: 117 Resp: 1237
Ion Ratio Lower Upper
117 100
201 95.6 42.5 127.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





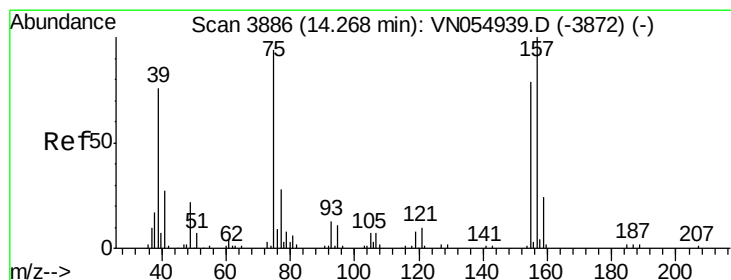
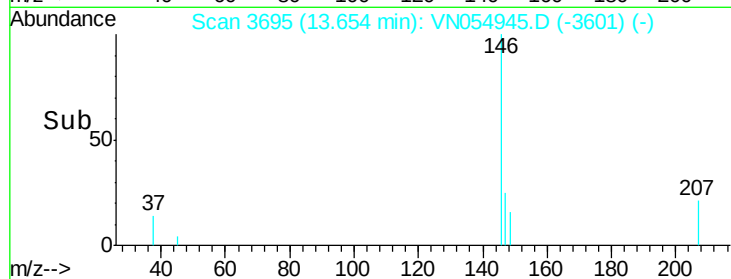
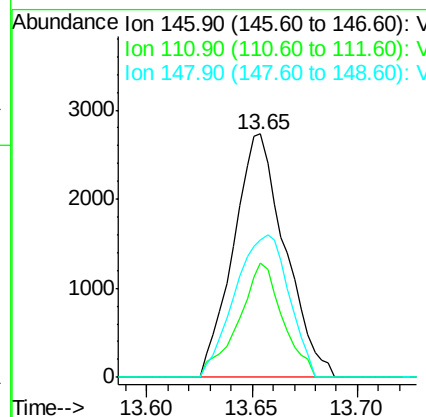
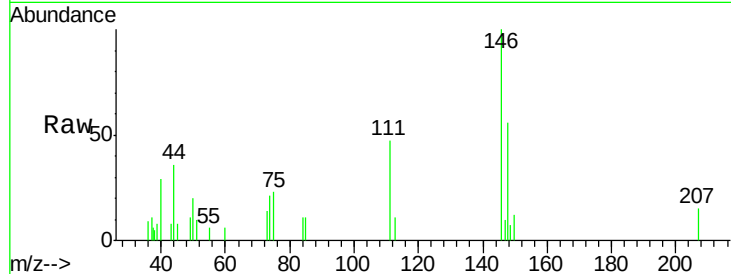
#91
 1,2-Dichlorobenzene
 Concen: 0.694 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054945.D
 Acq: 4 Apr 2019 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.2	60.5
148	61.3	32.1	96.5

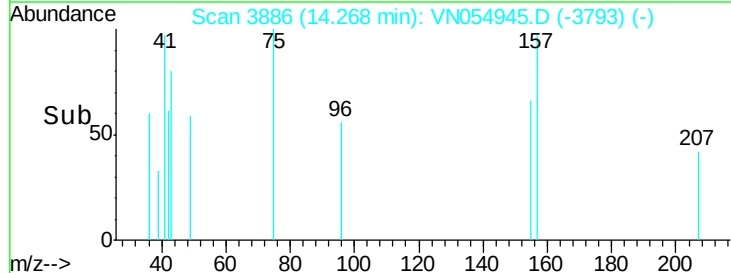
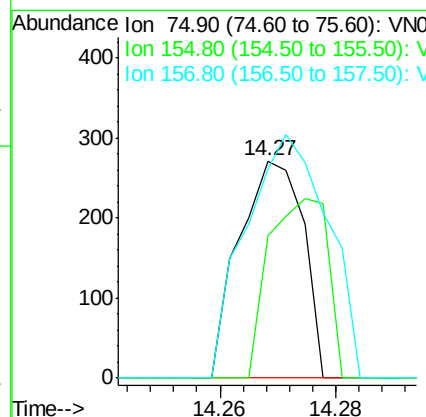
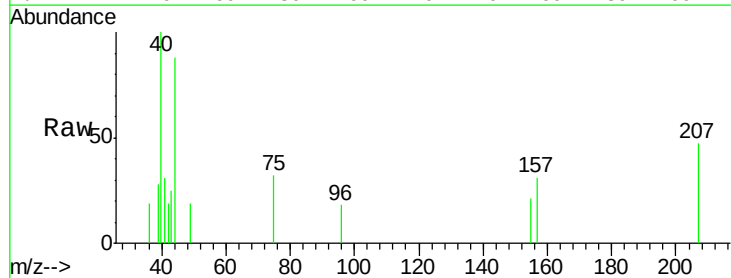
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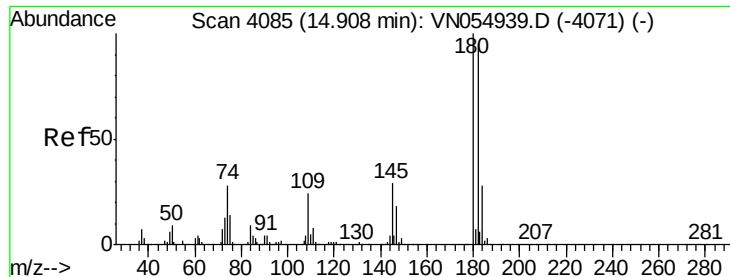
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.358 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054945.D
 Acq: 4 Apr 2019 14:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.8	41.5	124.6
157	144.0	54.4	163.2





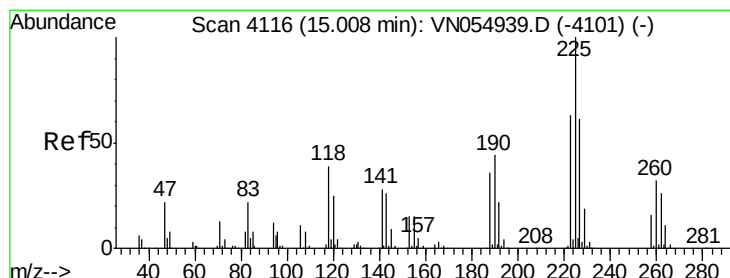
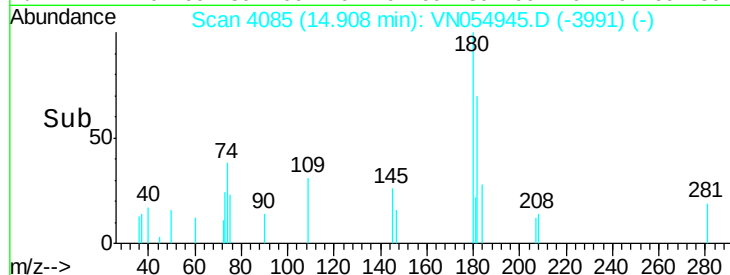
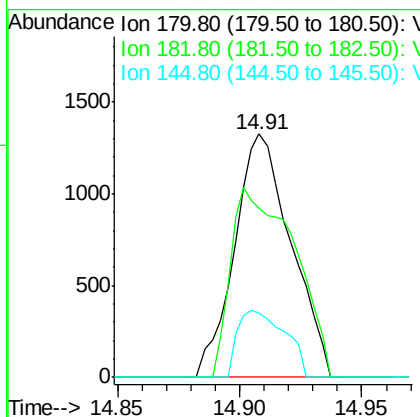
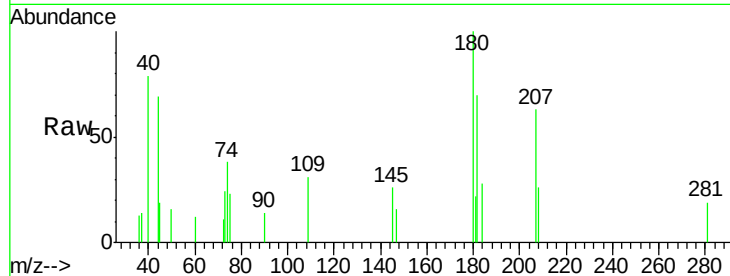
#93
 1,2,4-Trichlorobenzene
 Concen: 0.717 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054945.D
 Acq: 4 Apr 2019 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.1	47.5	142.6
145	23.1	14.6	43.8

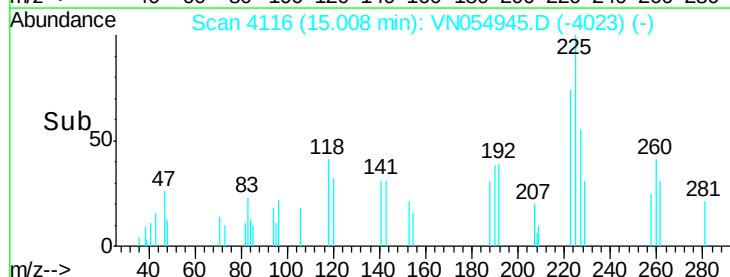
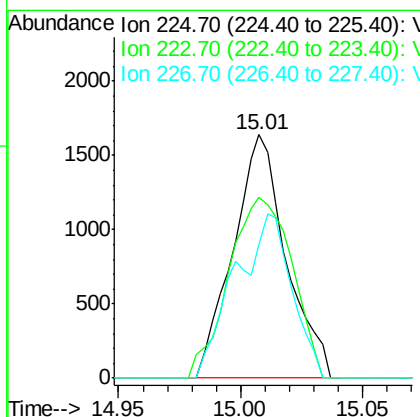
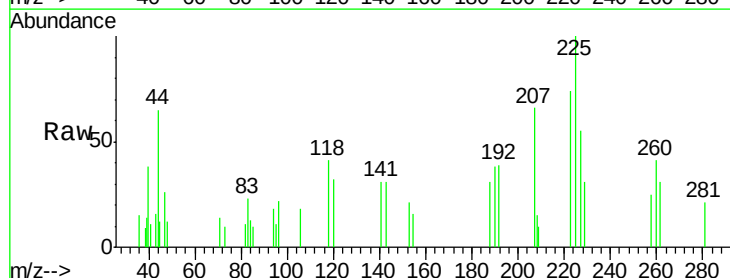
Manual Integrations
 APPROVED

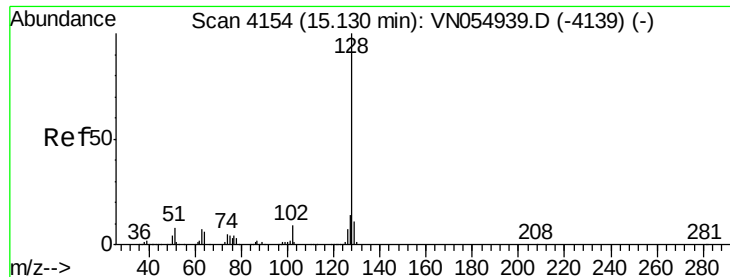
MMDadoda
 4/8/2019 1:43:46 PM



#94
 Hexachlorobutadiene
 Concen: 1.104 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054945.D
 Acq: 4 Apr 2019 14:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	88.5	31.1	93.5
227	72.3	30.9	92.5





#95

Naphthalene

Concen: 0.644 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Instrument :

MSVOA_N

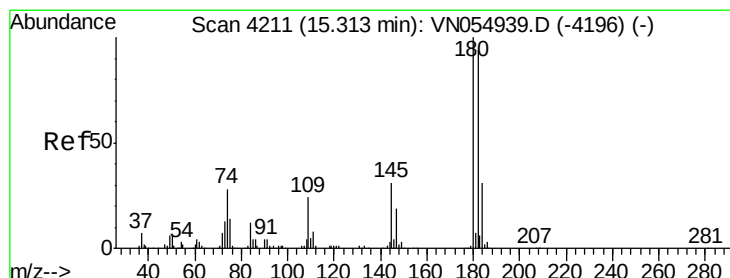
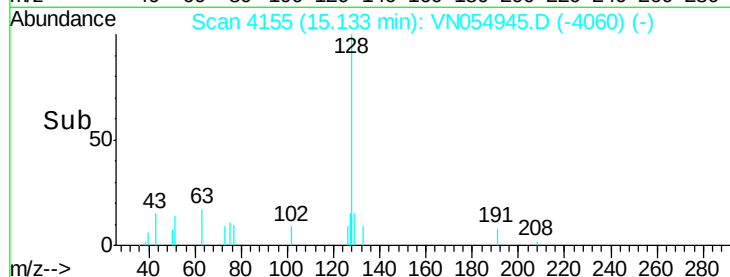
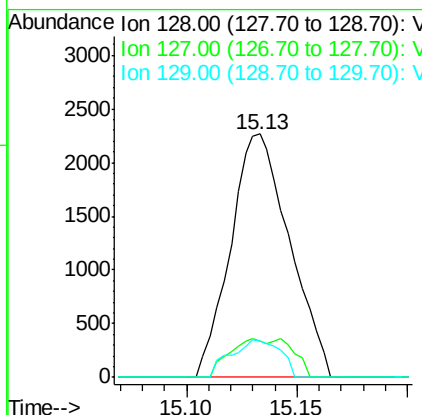
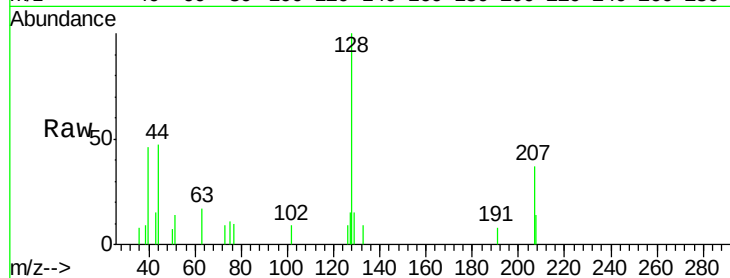
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tgt Ion:	128	Resp:	4197
Ion Ratio	Lower	Upper	
128	100		
127	10.2	10.6	16.0#
129	12.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/8/2019 1:43:46 PM



#96

1,2,3-Trichlorobenzene

Concen: 1.170 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN054945.D

Acq: 4 Apr 2019 14:14

Tgt Ion:	180	Resp:	3589
Ion Ratio	Lower	Upper	
180	100		
182	82.1	47.5	142.5
145	22.8	15.6	46.8

