

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054797.D
 Acq On : 30 Mar 2019 12:53
 Operator : JC/SP
 Sample : K1560-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 1:32:48 PM

Quant Time: Apr 01 14:50:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	388187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	654808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	552136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	193976	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	286318	54.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.44%	
35) Dibromofluoromethane	7.59	113	216291	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.09	98	794898	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.40	95	240705	44.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.18%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	4374	1.114 ug/l	100
3) Chloromethane	2.06	50	6007	1.106 ug/l	94
4) Vinyl Chloride	2.19	62	5211	1.069 ug/l	100
5) Bromomethane	2.57	94	3734	Below Cal	98
6) Chloroethane	2.71	64	2818	1.035 ug/l	95
7) Trichlorofluoromethane	3.02	101	6188	1.032 ug/l	98
8) Diethyl Ether	3.41	74	2165	1.122 ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.76	101	3227	1.023 ug/l	96
12) 1,1-Dichloroethene	3.72	96	3414	1.119 ug/l #	78
14) Allyl chloride	4.32	41	7989	1.063 ug/l #	81
15) Acrylonitrile	5.01	53	7686	5.072 ug/l	94
16) Acetone	3.82	43	7588	6.081 ug/l #	81
17) Carbon Disulfide	4.04	76	10016	1.012 ug/l #	94
18) Methyl Acetate	4.33	43	4415	0.447 ug/l #	67
19) Methyl tert-butyl Ether	5.06	73	11330m	1.061 ug/l	
20) Methylene Chloride	4.54	84	5365	1.219 ug/l #	82
21) trans-1,2-Dichloroethene	5.03	96	4051	1.011 ug/l	98
22) Diisopropyl ether	5.96	45	14055	0.945 ug/l #	84
23) Vinyl Acetate	5.91	43	46425	4.488 ug/l #	93
24) 1,1-Dichloroethane	5.85	63	8016	1.011 ug/l #	95
25) 2-Butanone	6.87	43	10271m	5.568 ug/l	
27) cis-1,2-Dichloroethene	6.83	96	4349	0.961 ug/l	85
28) Bromochloromethane	7.20	49	4388	1.107 ug/l #	67
29) Tetrahydrofuran	7.23	42	7209	5.627 ug/l #	81
30) Chloroform	7.37	83	8037	1.063 ug/l	95
32) 1,1,1-Trichloroethane	7.58	97	6360	1.015 ug/l #	49
36) 1,1-Dichloropropene	7.79	75	7173	1.176 ug/l #	81
37) Ethyl Acetate	6.94	43	2743	0.613 ug/l #	90
38) Carbon Tetrachloride	7.77	117	6978	1.177 ug/l #	90
39) Methylcyclohexane	9.08	83	6117	0.912 ug/l #	81
40) Benzene	8.04	78	16707	0.957 ug/l	94
41) Methacrylonitrile	7.18	41	1563	0.622 ug/l #	73
42) 1,2-Dichloroethane	8.12	62	6807	1.092 ug/l	84
43) Isopropyl Acetate	8.17	43	8389	1.154 ug/l #	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.84	130	4414	0.974	ug/l	94
45) 1,2-Dichloropropane	9.12	63	5007	1.006	ug/l	95
46) Dibromomethane	9.21	93	2747	0.981	ug/l #	86
47) Bromodichloromethane	9.41	83	4975	0.855	ug/l #	97
48) Methyl methacrylate	9.20	41	4299	1.091	ug/l #	70
49) 1,4-Dioxane	9.20	88	907	23.195	ug/l #	80
51) 4-Methyl-2-Pentanone	9.99	43	20021	4.898	ug/l	93
52) Toluene	10.16	92	9381	0.903	ug/l	94
53) t-1,3-Dichloropropene	10.39	75	4506	0.823	ug/l	93
54) cis-1,3-Dichloropropene	9.84	75	5072	0.776	ug/l	90
55) 1,1,2-Trichloroethane	10.56	97	3956	1.024	ug/l	94
56) Ethyl methacrylate	10.43	69	4427	0.874	ug/l #	77
57) 1,3-Dichloropropane	10.71	76	6586	0.992	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	8675	14.164	ug/l #	88
59) 2-Hexanone	10.76	43	13546	5.177	ug/l	83
60) Dibromochloromethane	10.90	129	3295	0.842	ug/l	92
61) 1,2-Dibromoethane	11.01	107	3185	0.863	ug/l	96
64) Tetrachloroethene	10.63	164	4350	1.027	ug/l	96
65) Chlorobenzene	11.43	112	10521	0.973	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	3347	0.827	ug/l #	65
67) Ethyl Benzene	11.51	91	17017	0.872	ug/l	92
68) m/p-Xylenes	11.62	106	12783	1.771	ug/l	97
69) o-Xylene	11.95	106	6273	0.886	ug/l	92
70) Styrene	11.97	104	9187	0.812	ug/l	90
71) Bromoform	12.13	173	1852	0.781	ug/l #	100
73) Isopropylbenzene	12.25	105	16141	1.018	ug/l	99
74) N-amyl acetate	12.07	43	4415	0.894	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	4345	Below Cal		94
76) 1,2,3-Trichloropropane	12.55	75	3947m	1.171	ug/l	
77) Bromobenzene	12.53	156	3753	0.981	ug/l	68
78) n-propylbenzene	12.59	91	17752	1.019	ug/l	92
79) 2-Chlorotoluene	12.67	91	11196	1.038	ug/l	92
80) 1,3,5-Trimethylbenzene	12.73	105	12525	0.963	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	579m	0.668	ug/l	
82) 4-Chlorotoluene	12.77	91	10848	1.036	ug/l	91
83) tert-Butylbenzene	12.99	119	11391	Below Cal		94
84) 1,2,4-Trimethylbenzene	13.04	105	12238	0.987	ug/l	95
85) sec-Butylbenzene	13.17	105	14067	0.995	ug/l	98
86) p-Isopropyltoluene	13.29	119	10966	0.880	ug/l	92
87) 1,3-Dichlorobenzene	13.28	146	6260	0.977	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	5729m	0.912	ug/l	
89) n-Butylbenzene	13.62	91	7946	0.781	ug/l	93
90) Hexachloroethane	13.88	117	1951	0.922	ug/l	78
91) 1,2-Dichlorobenzene	13.65	146	6683	1.034	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	417	0.769	ug/l	75
93) 1,2,4-Trichlorobenzene	14.90	180	2343	0.752	ug/l	91
94) Hexachlorobutadiene	15.01	225	2337	Below Cal		89
95) Naphthalene	15.14	128	5862	0.838	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	2612	0.830	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:168 Resp: 388187

Ion Ratio Lower Upper

168 100

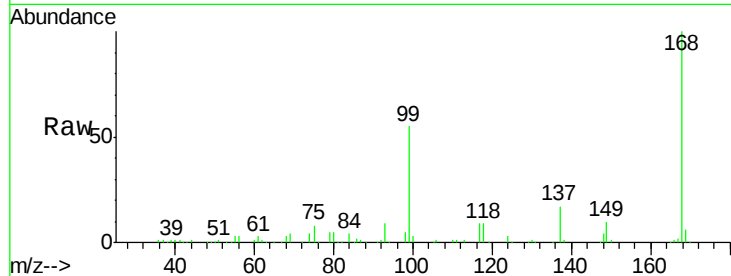
99 54.8 37.1 55.7

Manual Integrations

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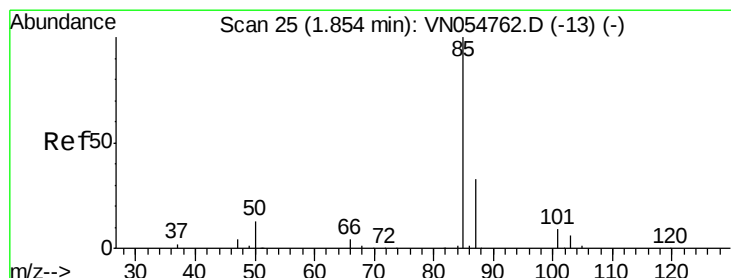
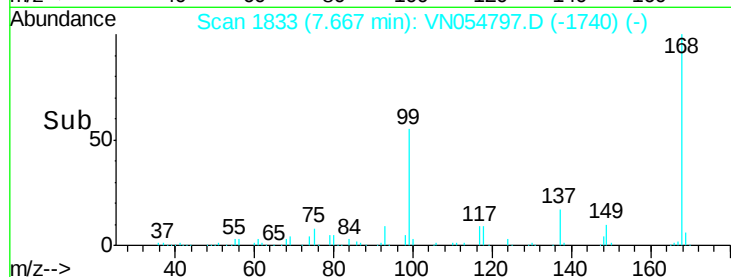
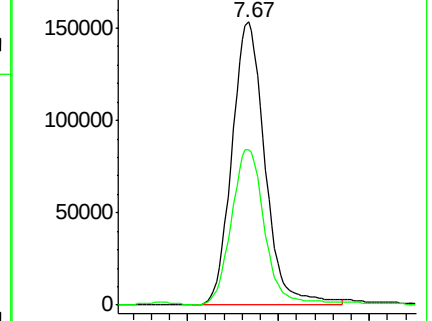
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 1.114 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054797.D

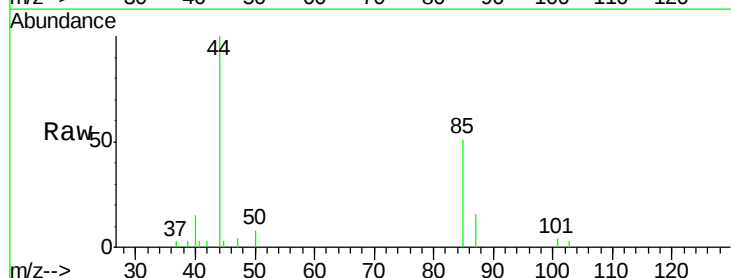
Acq: 30 Mar 2019 12:53

Tgt Ion: 85 Resp: 4374

Ion Ratio Lower Upper

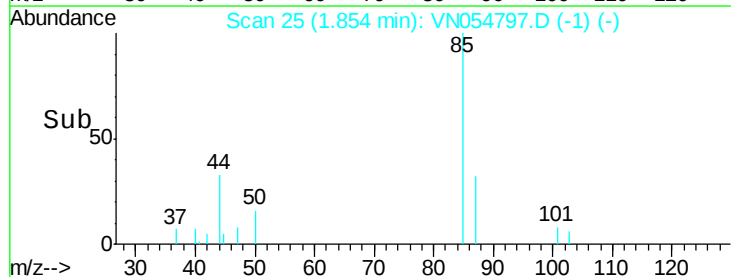
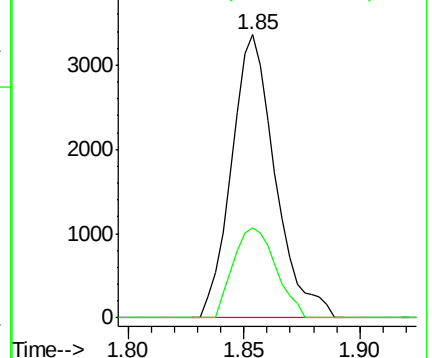
85 100

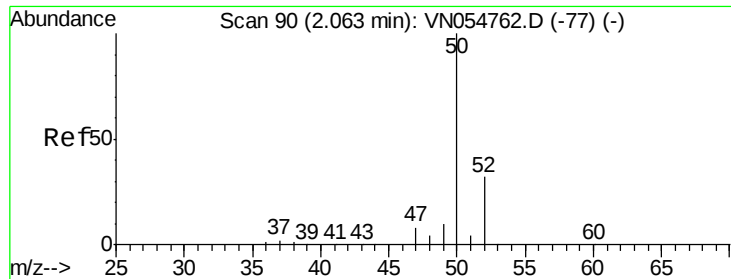
87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 1.106 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 50 Resp: 6007

Ion Ratio Lower Upper

50 100

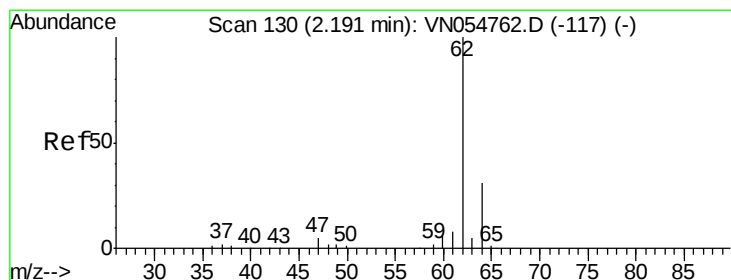
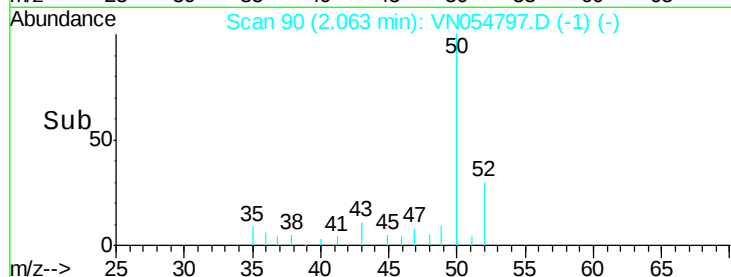
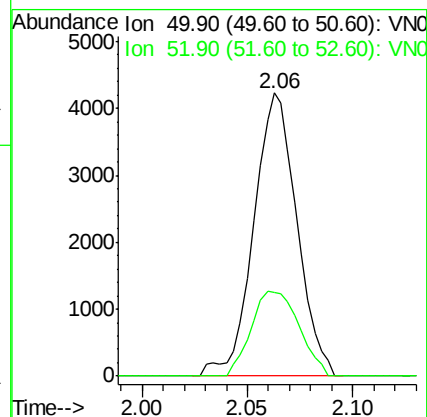
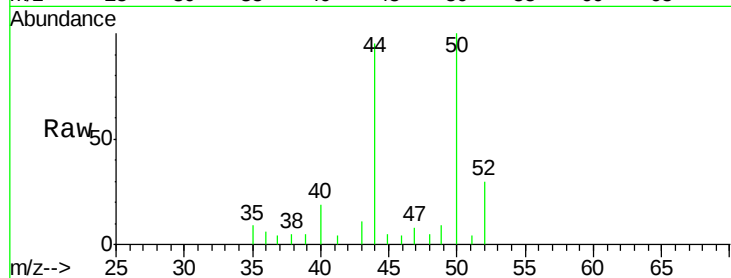
52 29.7 26.4 39.6

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#4

Vinyl Chloride

Concen: 1.069 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054797.D

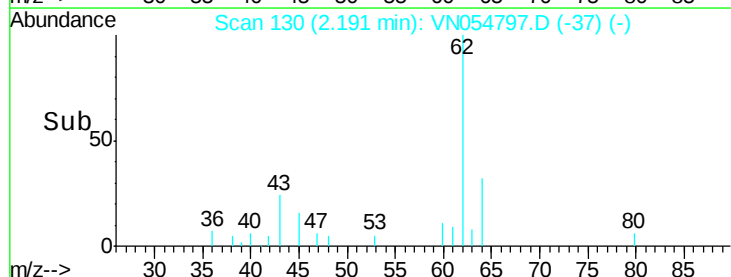
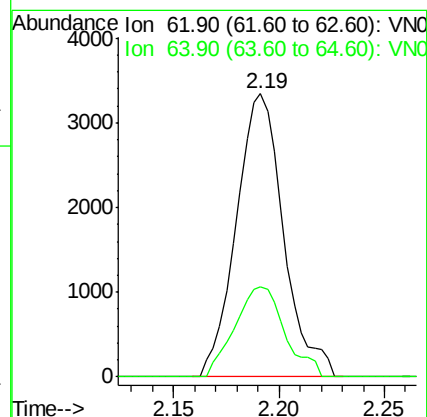
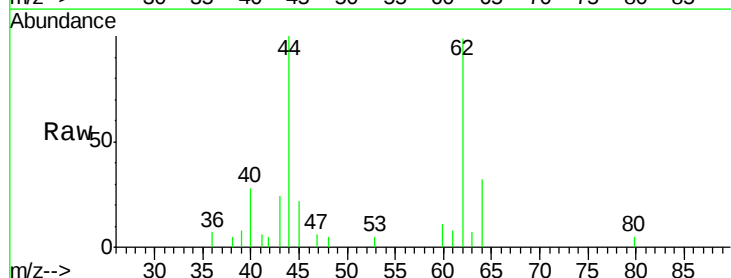
Acq: 30 Mar 2019 12:53

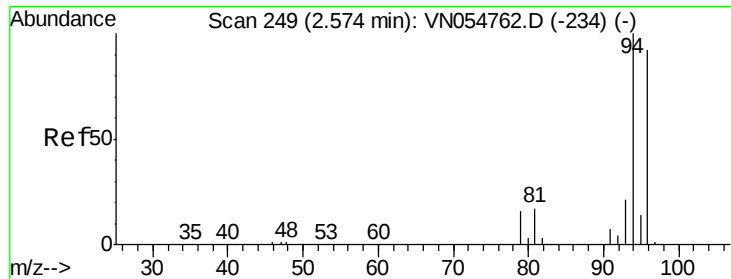
Tgt Ion: 62 Resp: 5211

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 94 Resp: 3734

Ion Ratio Lower Upper

94 100

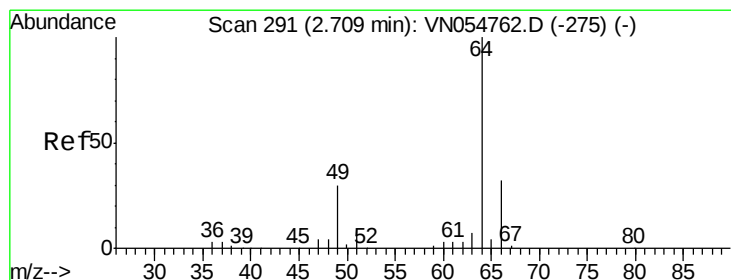
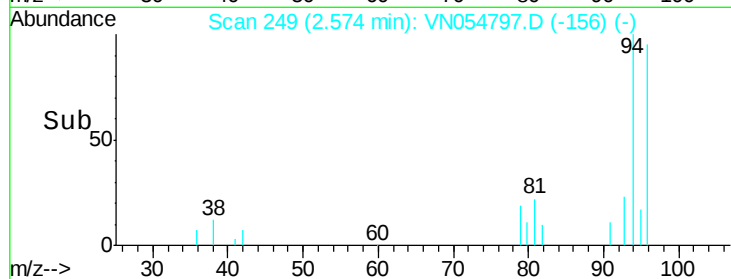
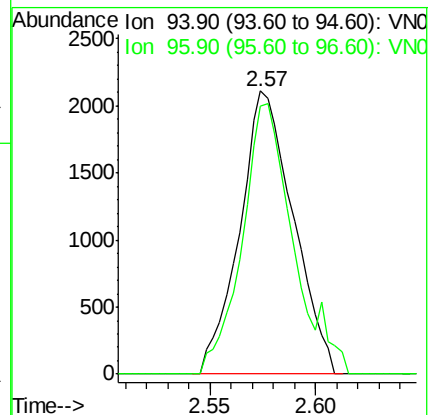
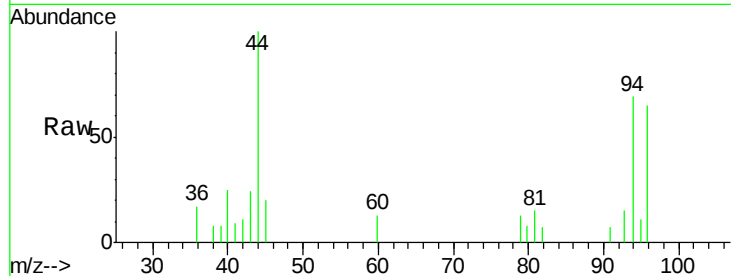
96 94.6 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 1.035 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054797.D

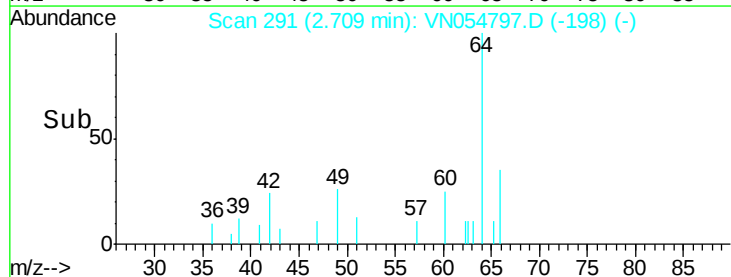
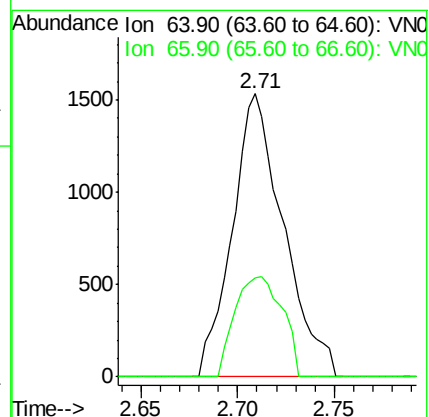
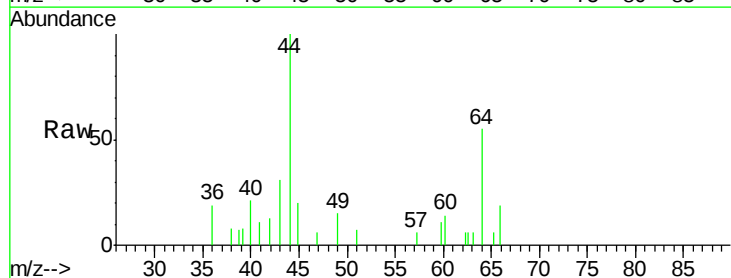
Acq: 30 Mar 2019 12:53

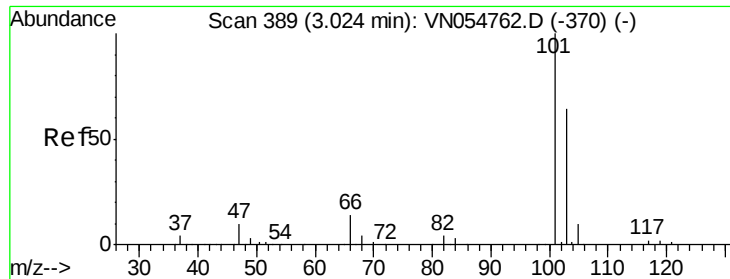
Tgt Ion: 64 Resp: 2818

Ion Ratio Lower Upper

64 100

66 34.9 25.7 38.5





#7

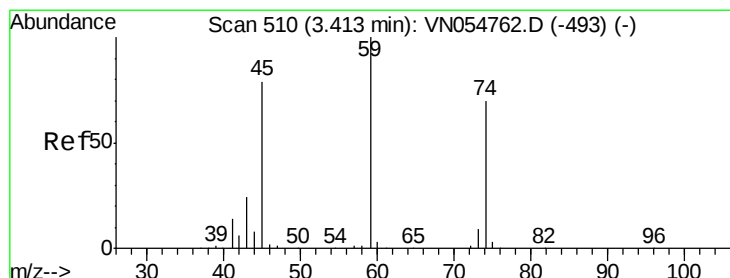
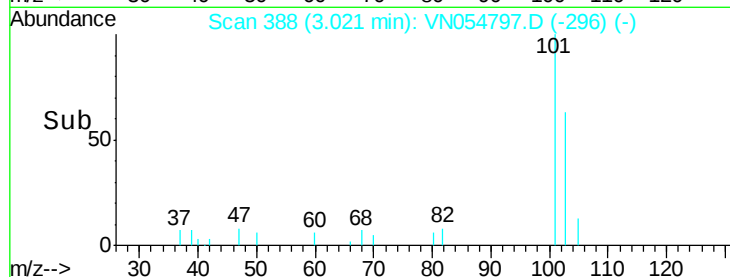
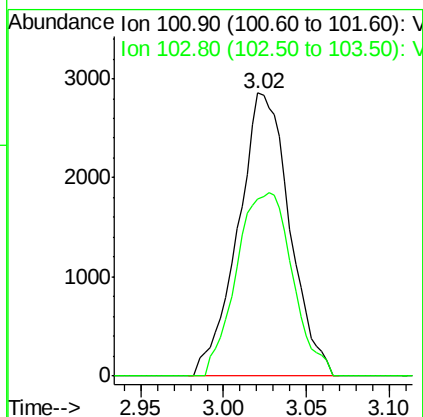
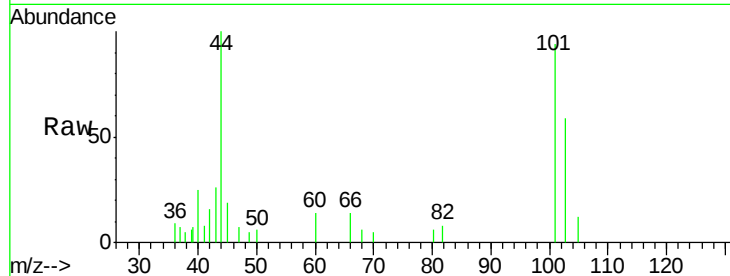
Trichlorofluoromethane
Concen: 1.032 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054797.D
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ClientSampleId :
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Tot Ion: 101 Resp: 6188
Ion Ratio Lower Upper
101 100
103 62.6 51.4 77.2

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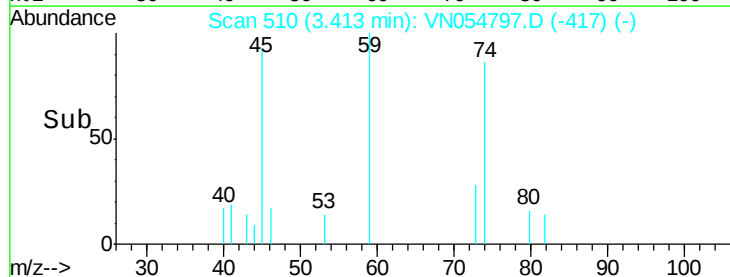
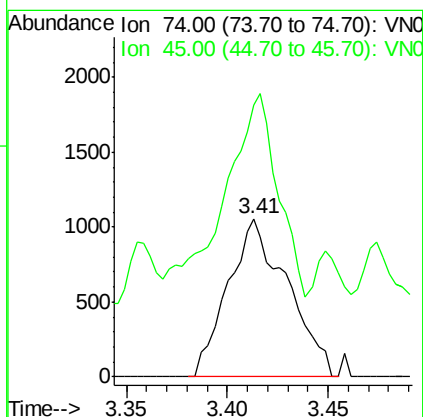
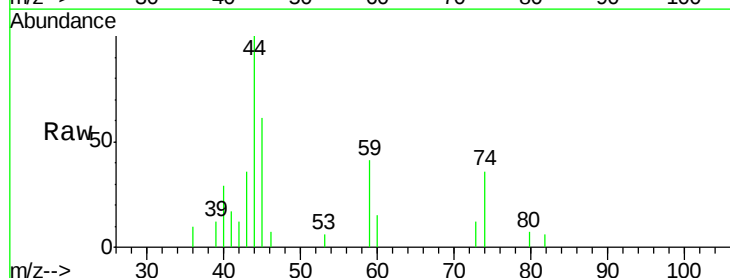
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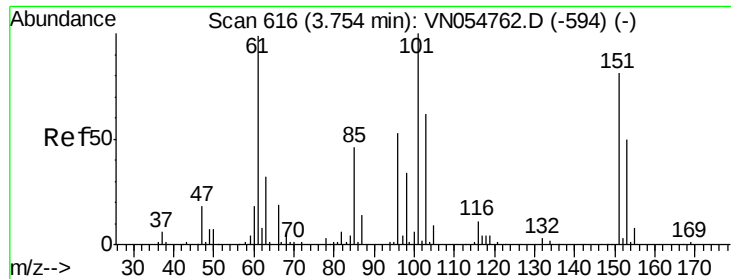


#8

Diethyl Ether
Concen: 1.122 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tgt Ion: 74 Resp: 2165
Ion Ratio Lower Upper
74 100
45 116.5 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.023 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

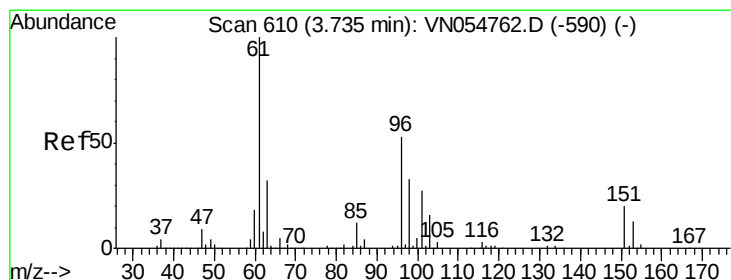
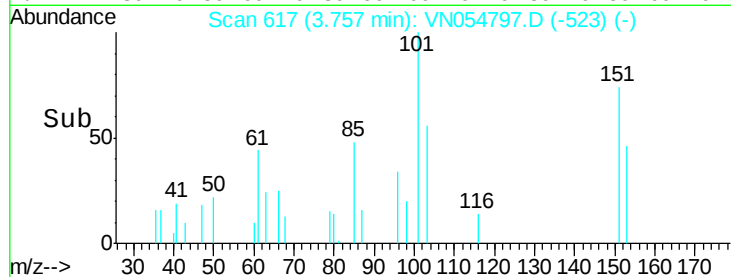
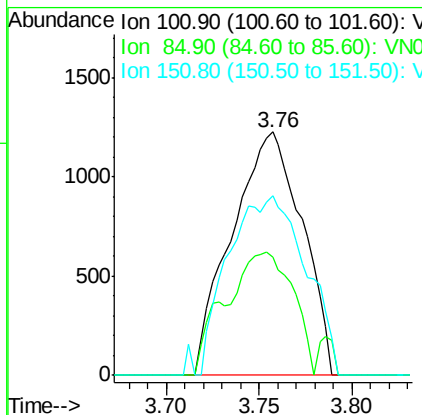
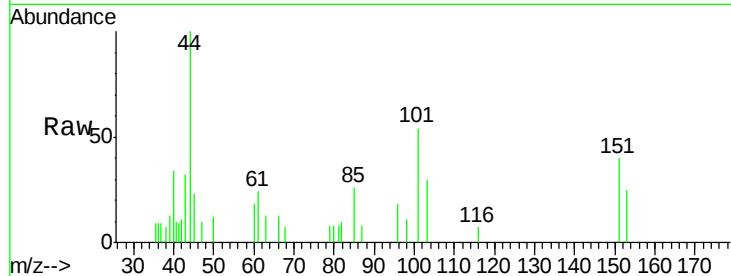
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	101	Resp:	3227
Ion Ratio	Lower	Upper	
101	100		
85	37.7	32.4	48.6
151	81.5	68.2	102.2

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.119 ug/l

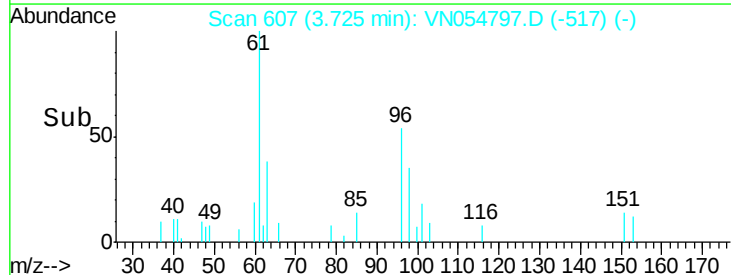
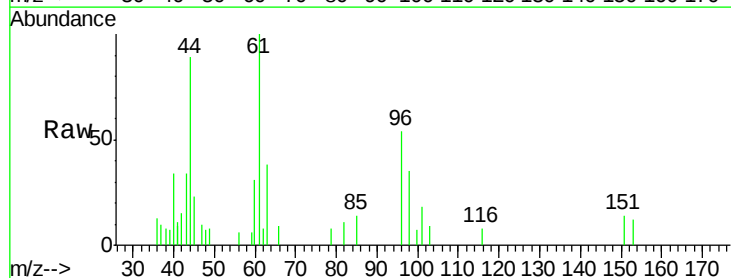
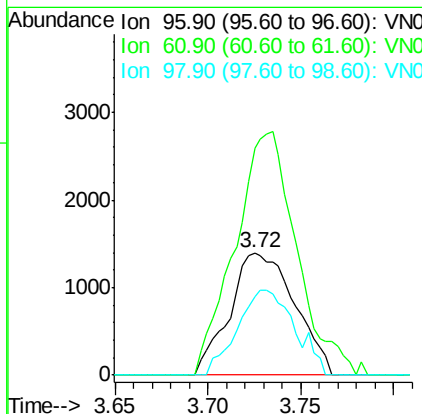
RT: 3.72 min Scan# 607

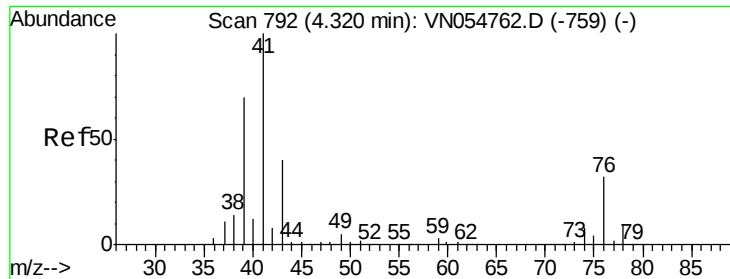
Delta R.T. -0.01 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Tgt Ion:	96	Resp:	3414
Ion Ratio	Lower	Upper	
96	100		
61	185.0	116.5	174.7#
98	64.0	51.0	76.4





#14

Allvl chloride

Concen: 1.063 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

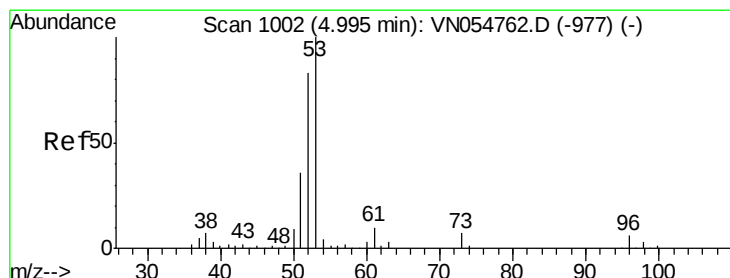
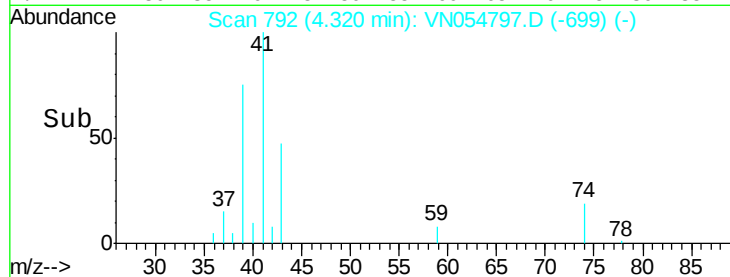
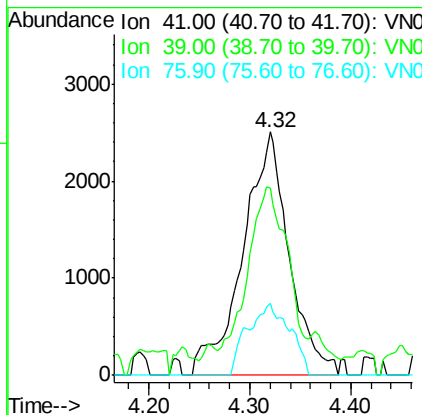
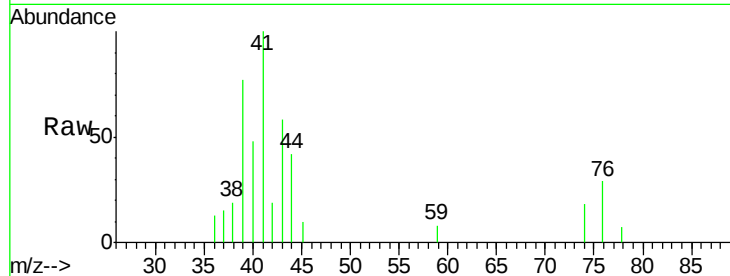
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	41	Resp:	7989
Ion	Ratio	Lower	Upper
41	100		
39	58.2	58.2	87.4#
76	26.7	31.7	47.5#

Manual Integrations
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MMDadoda
4/1/2019 1:32:48 PM



#15

Acrylonitrile

Concen: 5.072 ug/l

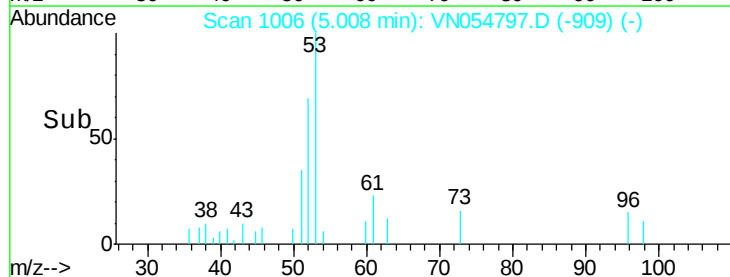
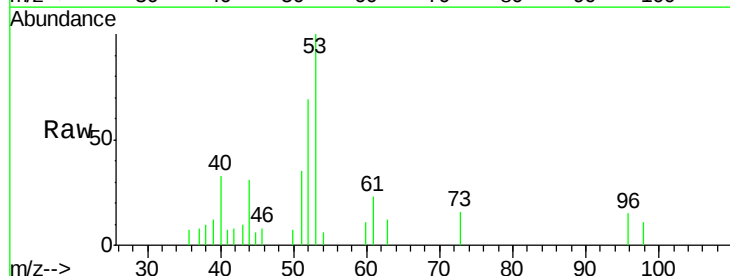
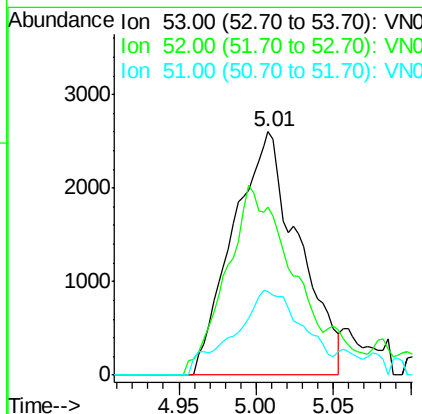
RT: 5.01 min Scan# 1006

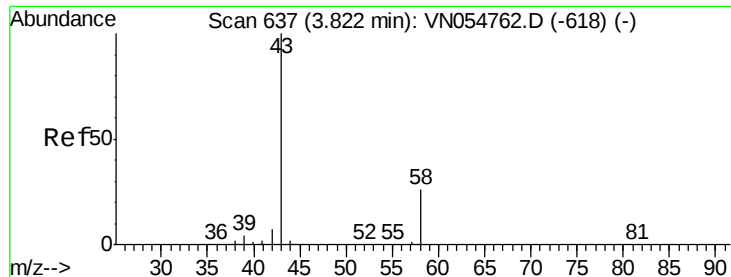
Delta R.T. 0.01 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Tgt Ion:	53	Resp:	7686
Ion	Ratio	Lower	Upper
53	100		
52	76.0	66.4	99.6
51	36.7	29.6	44.4





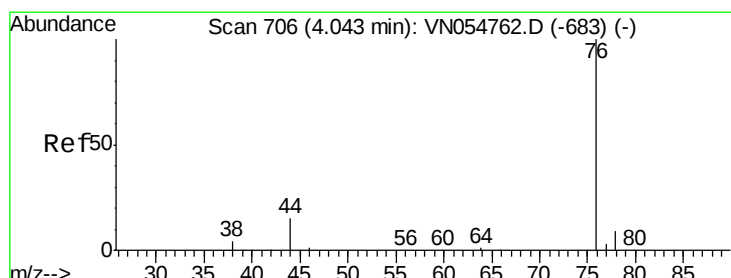
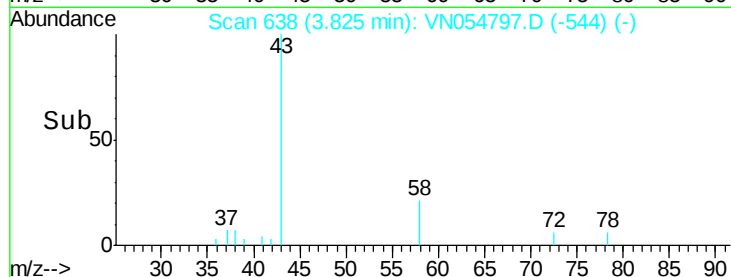
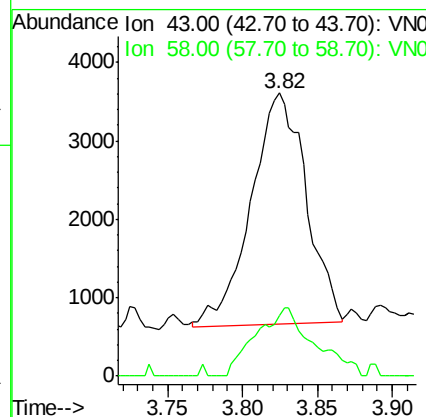
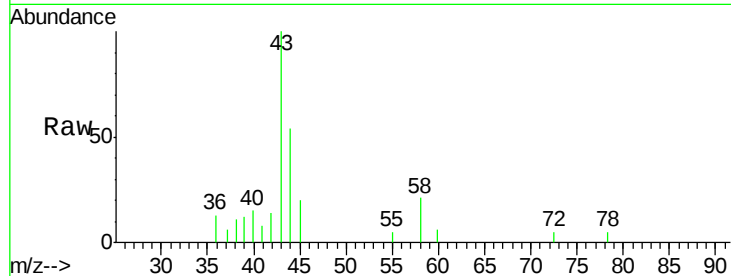
#16
Acetone
Concen: 6.081 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 43 Resp: 7588
Ion Ratio Lower Upper
43 100
58 26.3 29.9 44.9#

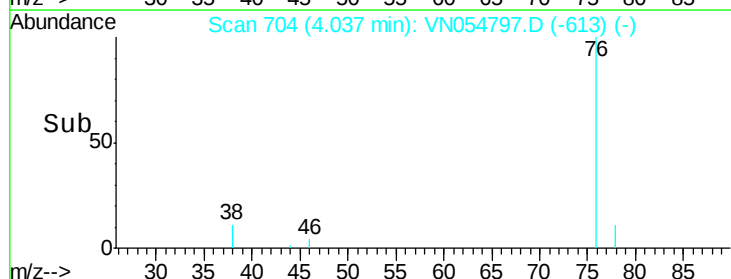
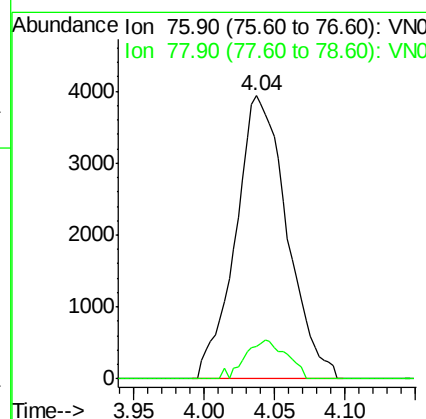
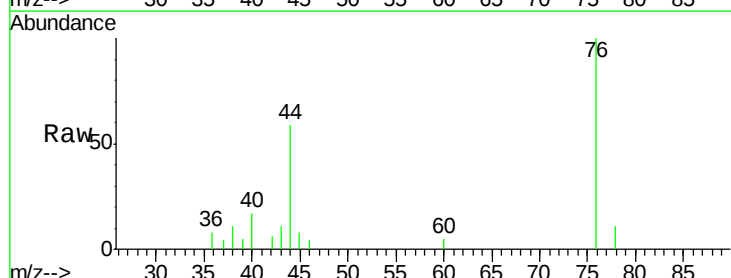
Manual Integrations
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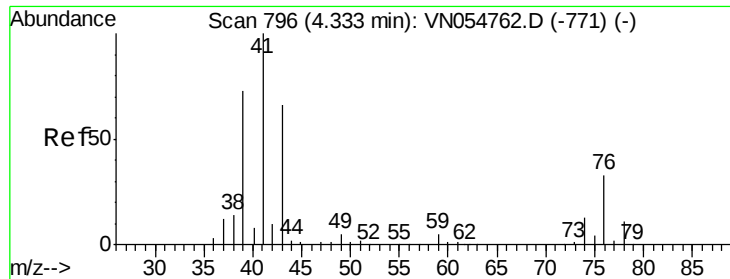
MMDadoda
4/1/2019 1:32:48 PM



#17
Carbon Disulfide
Concen: 1.012 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.01 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tgt Ion: 76 Resp: 10016
Ion Ratio Lower Upper
76 100
78 11.4 7.5 11.3#





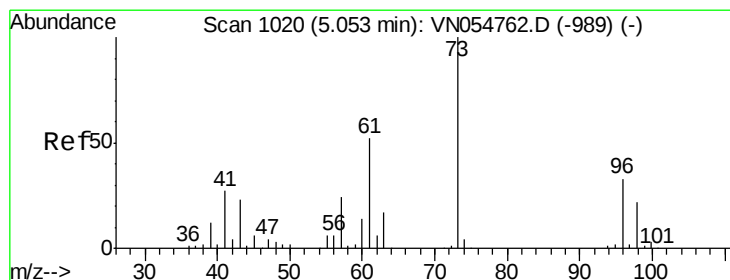
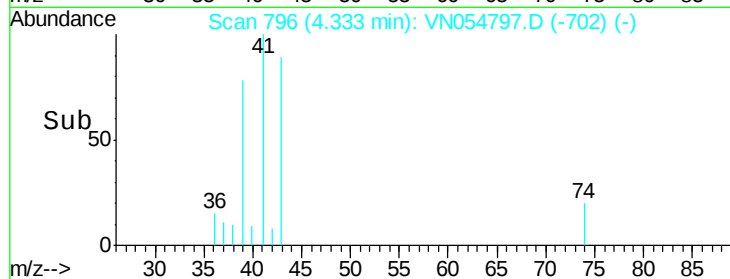
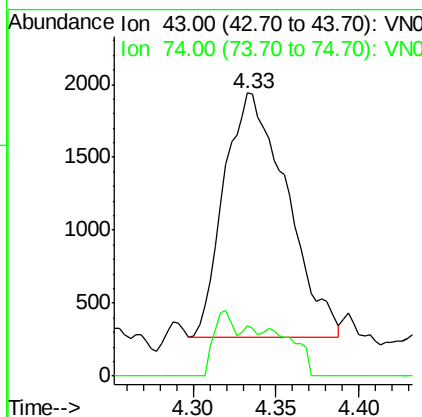
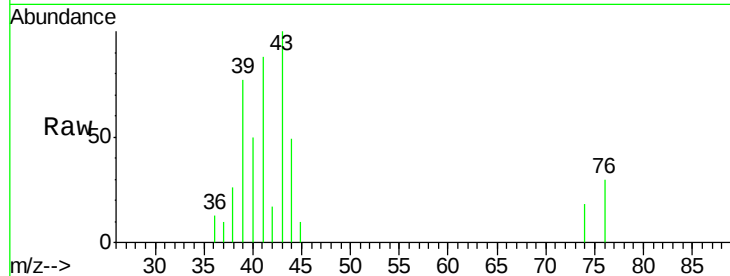
#18
Methyl Acetate
Concen: 0.447 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 43 Resp: 4415
Ion Ratio Lower Upper
43 100
74 8.9 20.8 31.2#

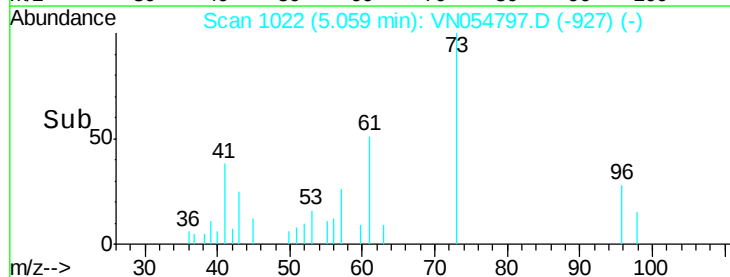
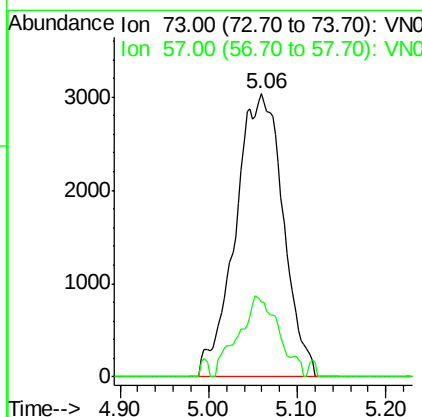
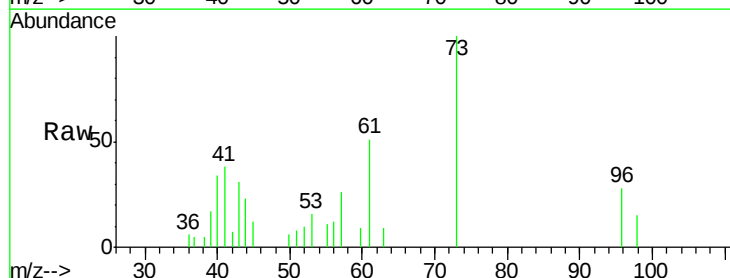
Manual Integrations
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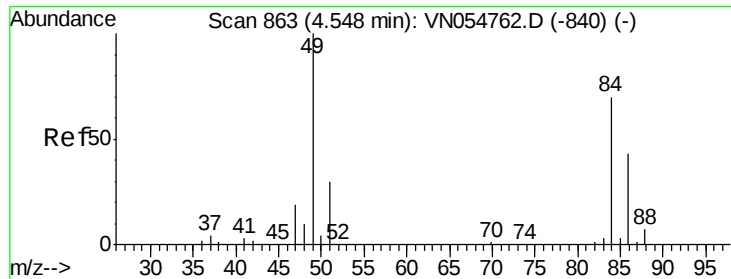
MMDadoda
4/1/2019 1:32:48 PM



#19
Methyl tert-butyl Ether
Concen: 1.061 ug/l m
RT: 5.06 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tgt Ion: 73 Resp: 11330
Ion Ratio Lower Upper
73 100
57 26.3 16.8 25.2#





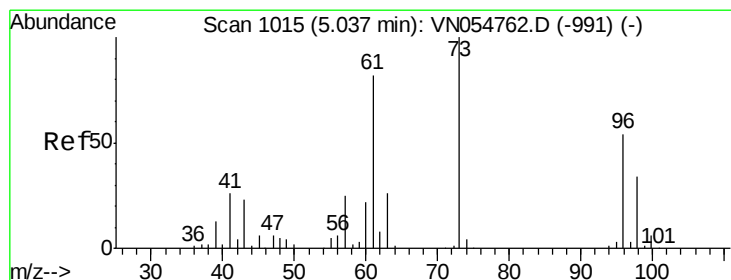
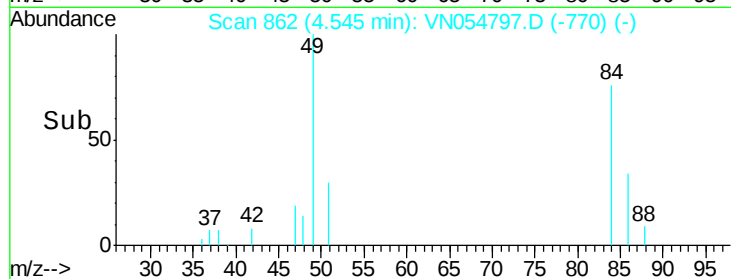
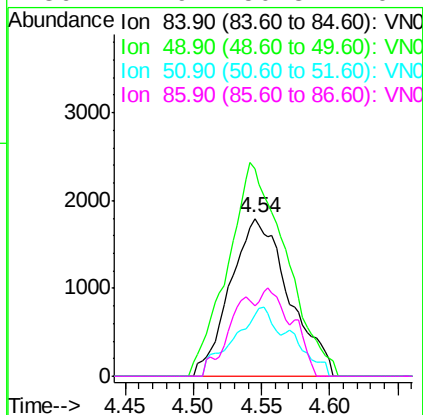
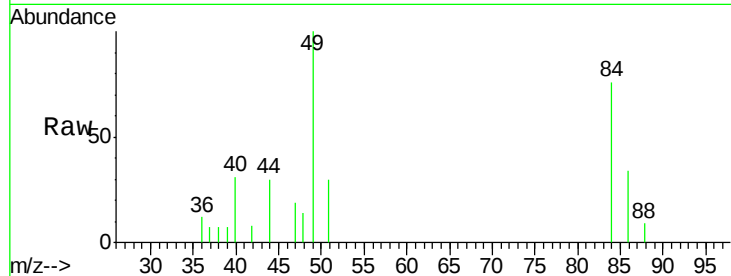
#20
Methvlene Chloride
Concen: 1.219 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 84 Resp: 5365
Ion Ratio Lower Upper
84 100
49 131.5 89.7 134.5
51 38.9 28.2 42.4
86 44.9 50.8 76.2#

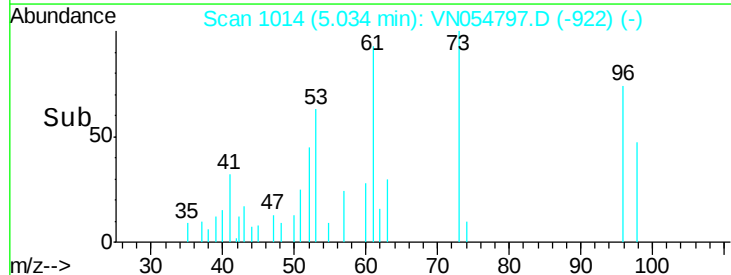
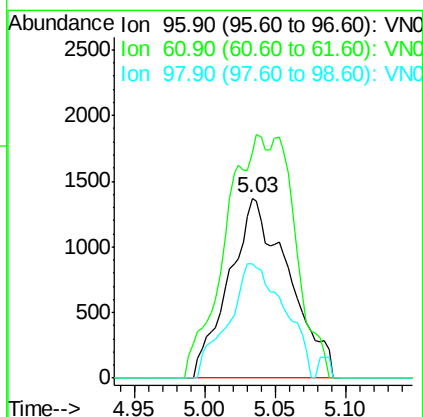
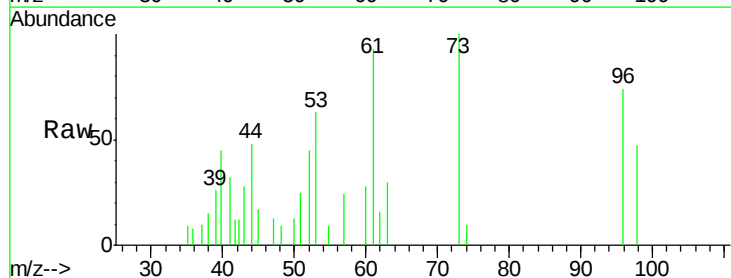
Manual Integrations
APPROVED

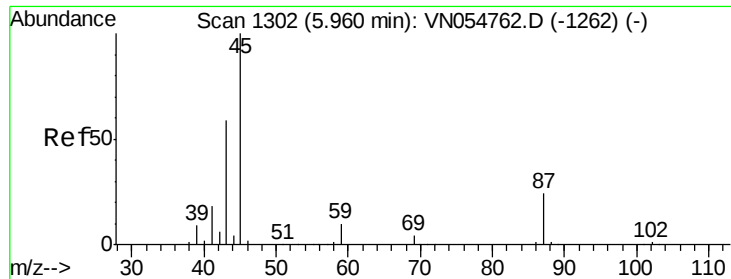
MMDadoda
4/1/2019 1:32:48 PM



#21
trans-1,2-Dichloroethene
Concen: 1.011 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tgt Ion: 96 Resp: 4051
Ion Ratio Lower Upper
96 100
61 125.3 102.8 154.2
98 63.1 50.0 75.0





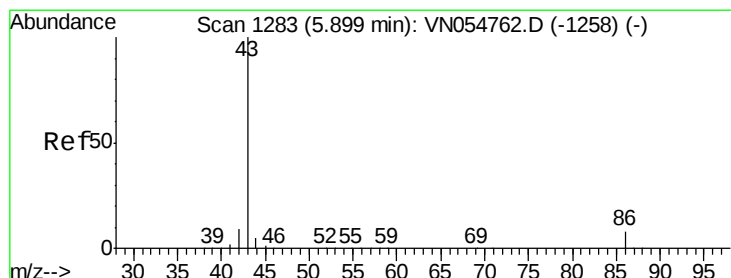
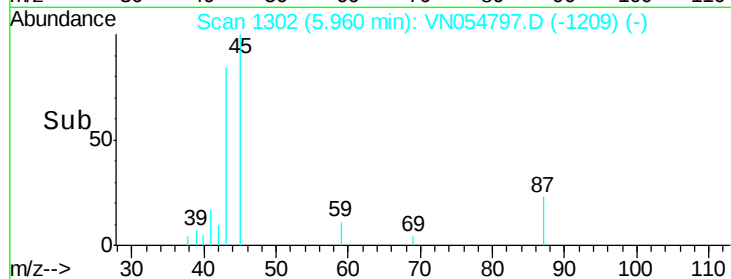
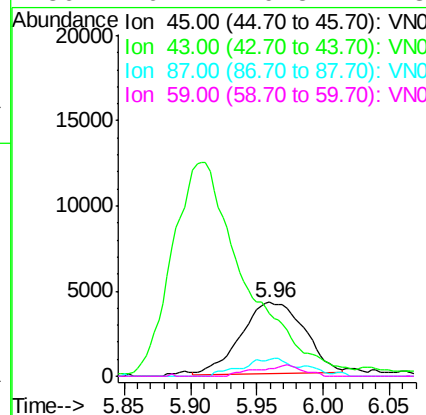
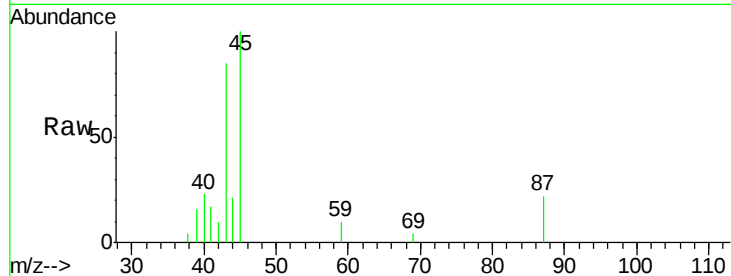
#22
Diisopropyl ether
Concen: 0.945 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
45	100		
43	75.5	48.2	72.2#
87	23.5	24.9	37.3#
59	10.7	9.5	14.3

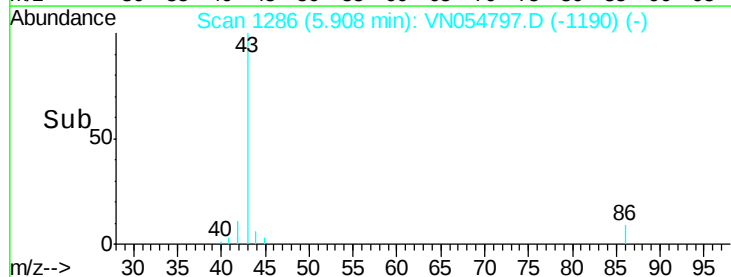
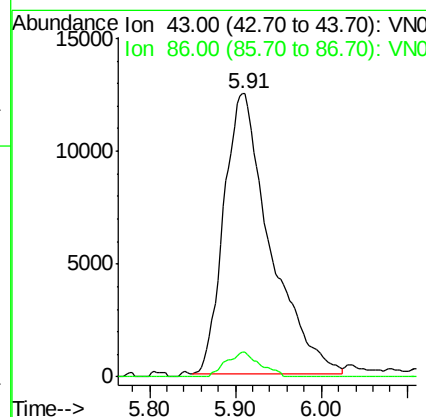
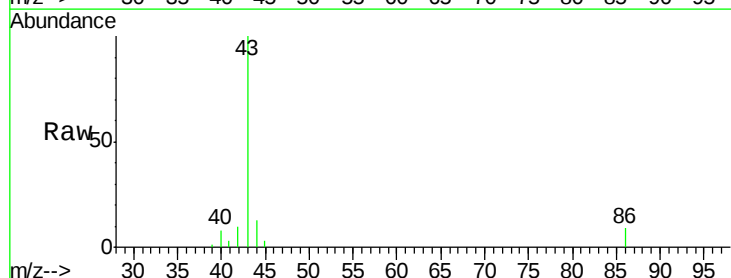
Manual Integrations
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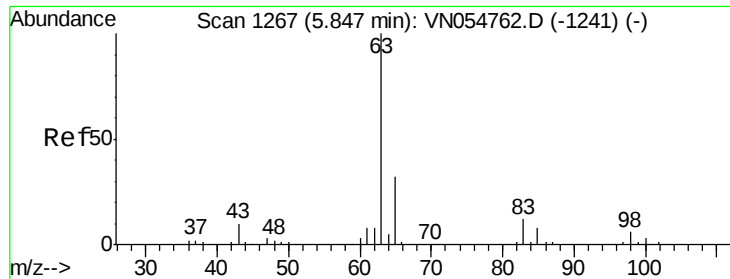
MMDadoda
4/1/2019 1:32:48 PM



#23
Vinyl Acetate
Concen: 4.488 ug/l
RT: 5.91 min Scan# 1286
Delta R.T. 0.01 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.9	9.1	13.7#





#24

1,1-Dichloroethane

Concen: 1.011 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

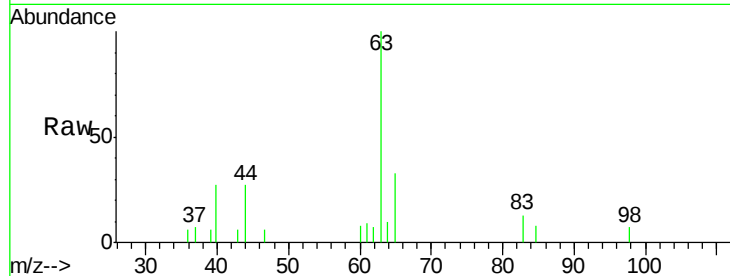
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	63	Resp:	8016
Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.5	10.5
100	0.0	2.0	6.0#

Manual Integrations
APPROVED

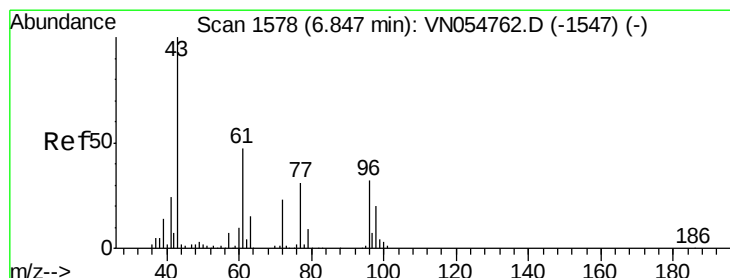
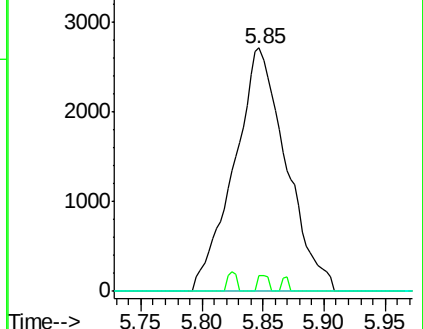
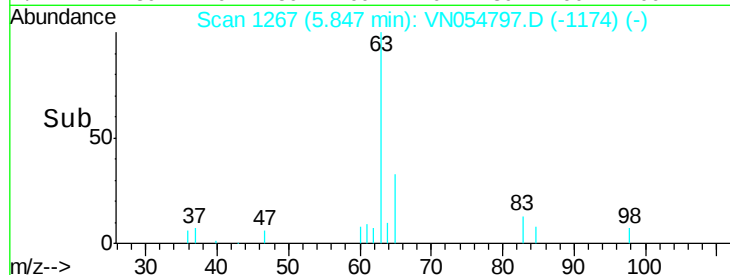
MMDadoda
4/1/2019 1:32:48 PM



Abundance Ion 62.90 (62.60 to 63.60): VN054797.D (-1174) (-)

Ion 97.90 (97.60 to 98.60): VN054797.D (-1174) (-)

Ion 99.90 (99.60 to 100.60): VN054797.D (-1174) (-)



#25

2-Butanone

Concen: 5.568 ug/l m

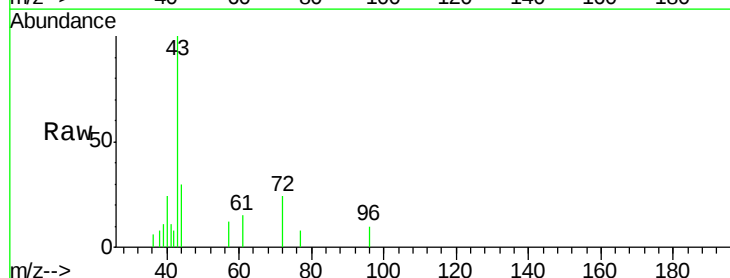
RT: 6.87 min Scan# 1585

Delta R.T. 0.02 min

Lab File: VN054797.D

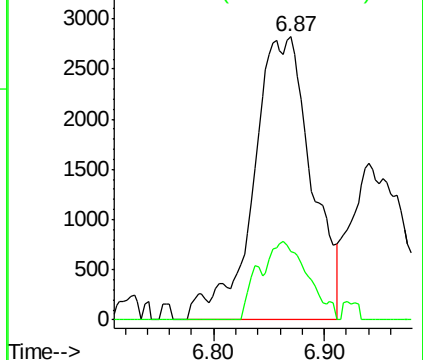
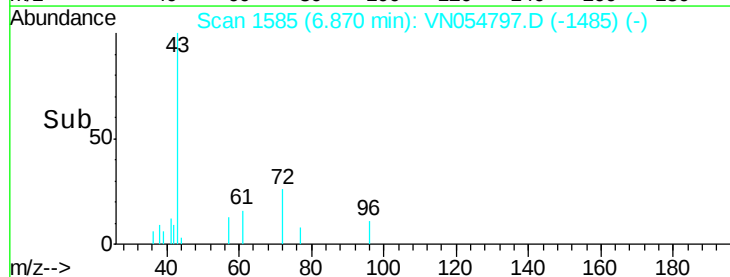
Acq: 30 Mar 2019 12:53

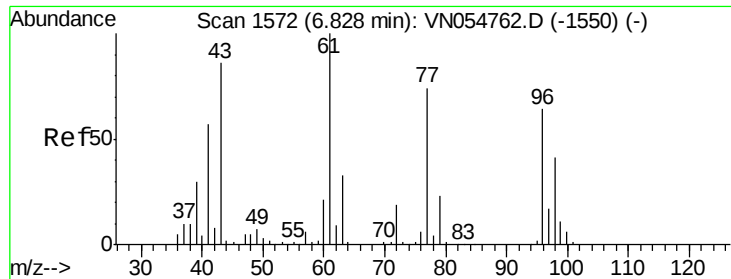
Tgt Ion:	43	Resp:	10271
Ion	Ratio	Lower	Upper
43	100		
72	24.1	23.0	34.6



Abundance Ion 43.00 (42.70 to 43.70): VN054797.D (-1485) (-)

Ion 72.00 (71.70 to 72.70): VN054797.D (-1485) (-)





#27

cis-1,2-Dichloroethene

Concen: 0.961 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

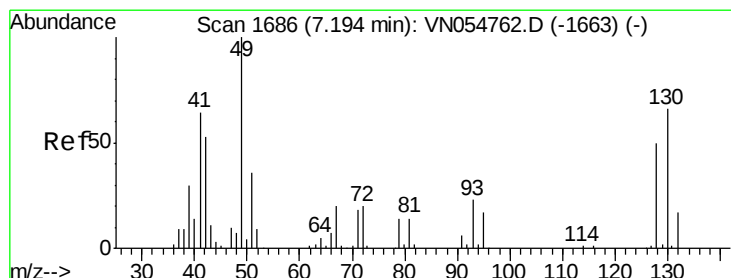
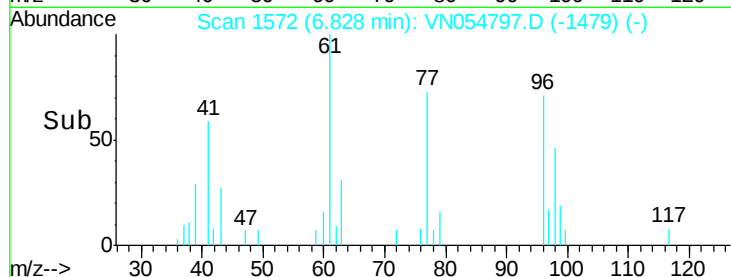
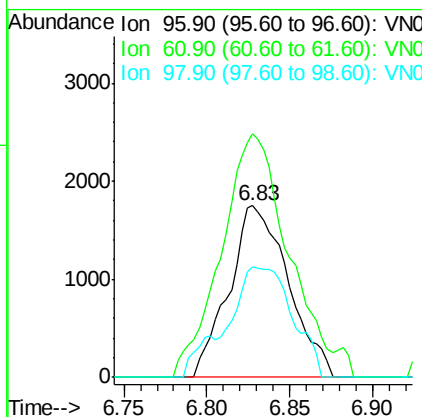
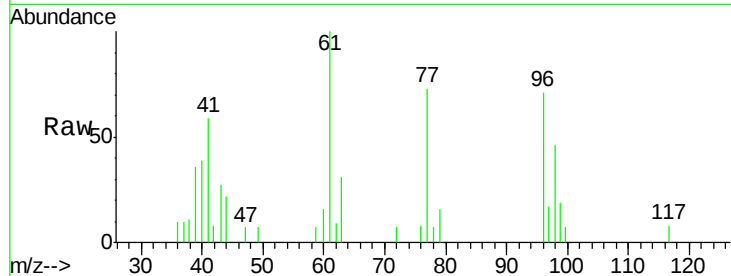
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	96	Resp:	4349
Ion	Ratio	Lower	Upper
96	100		
61	159.0	0.0	273.0
98	71.9	0.0	130.6

Manual Integrations
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MMDadoda
4/1/2019 1:32:48 PM



#28

Bromochloromethane

Concen: 1.107 ug/l

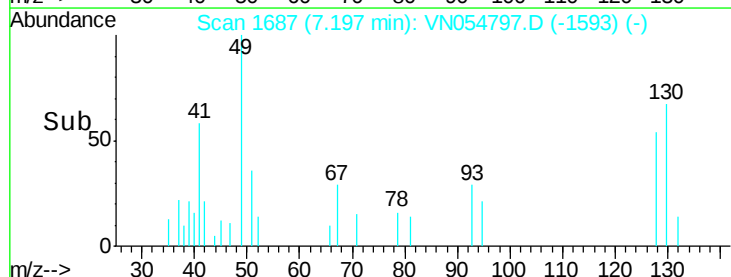
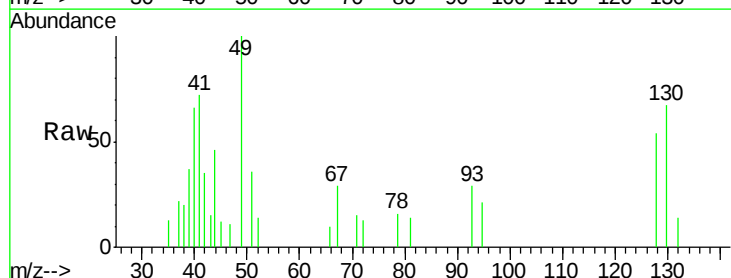
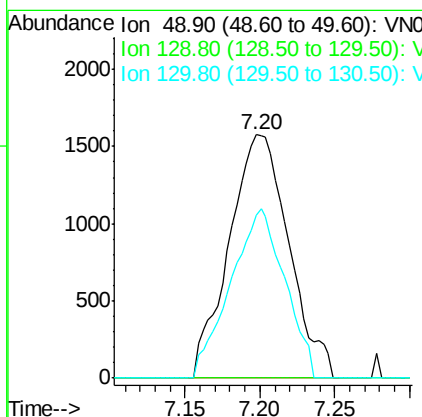
RT: 7.20 min Scan# 1687

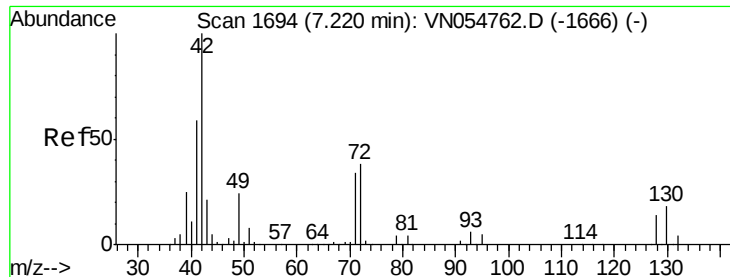
Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Tgt Ion:	49	Resp:	4388
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	62.9	76.7	115.1#





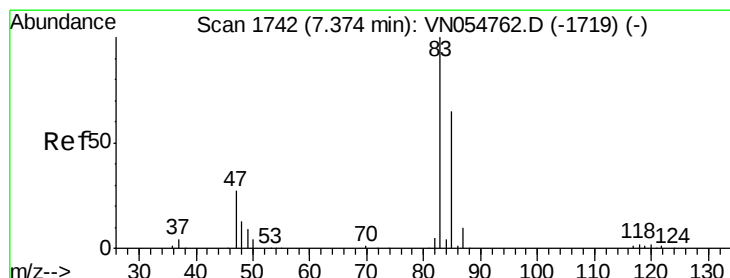
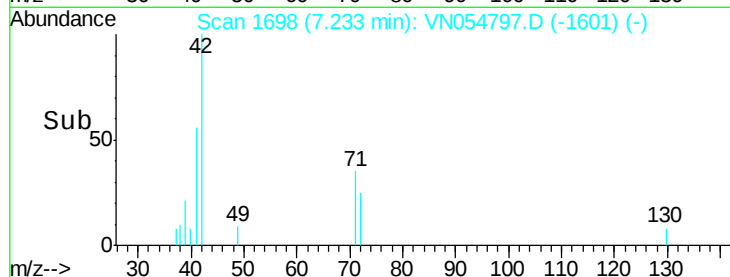
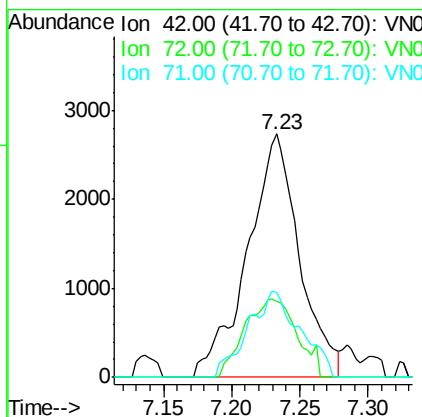
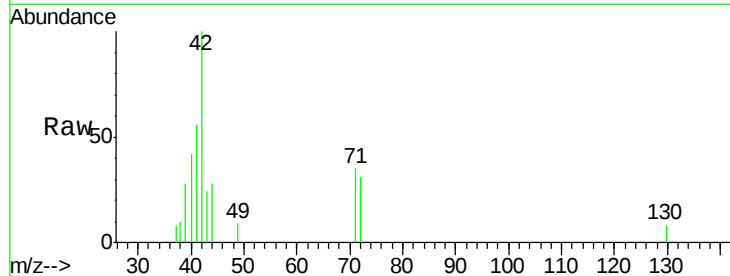
#29
Tetrahydrofuran
Concen: 5.627 ug/l
RT: 7.23 min Scan# 1698
Delta R.T. 0.01 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.4	37.8	56.6#
71	35.4	36.2	54.2#

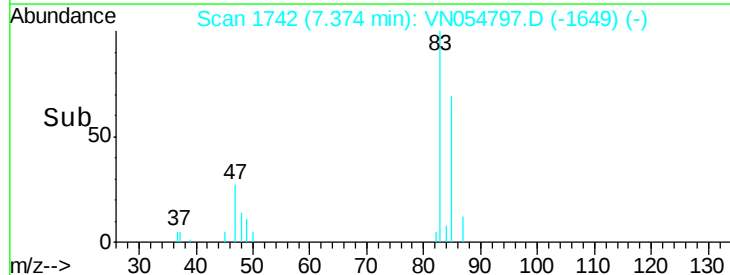
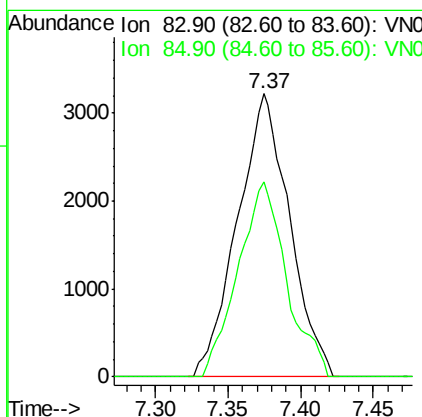
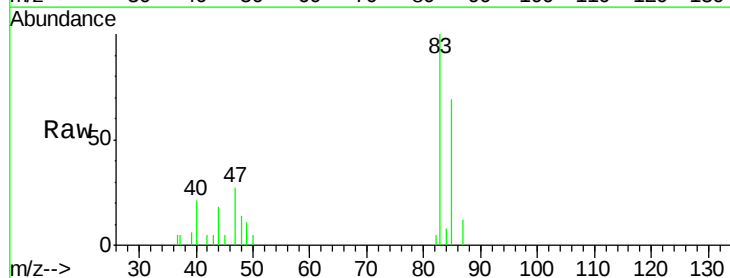
Manual Integrations
APPROVED

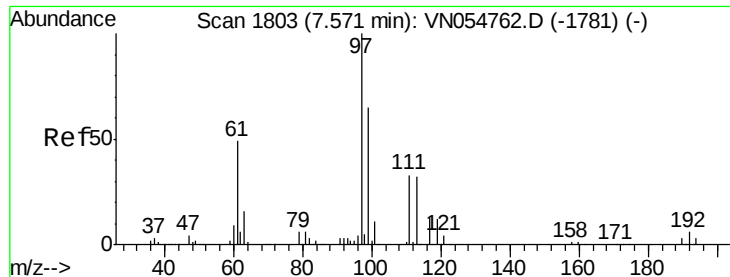
MMDadoda
4/1/2019 1:32:48 PM



#30
Chloroform
Concen: 1.063 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.0	52.2	78.4





#32

1,1,1-Trichloroethane

Concen: 1.015 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

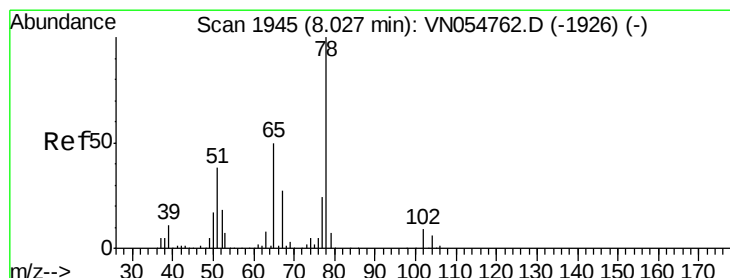
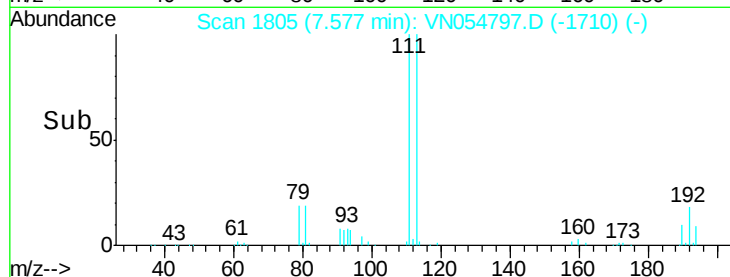
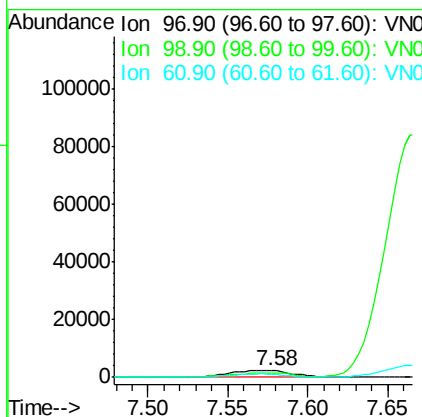
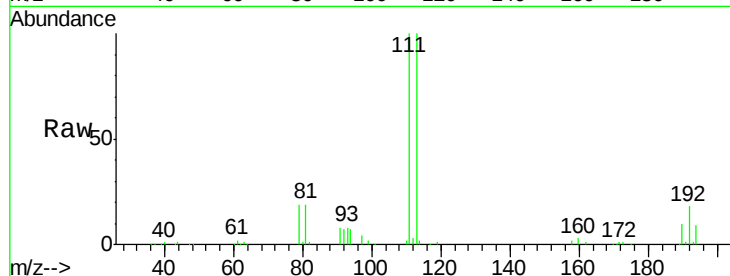
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	97	Resp:	6360
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.5	77.3#
61	43.9	33.6	50.4

Manual Integrations
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MMDadoda
4/1/2019 1:32:48 PM



#33

1,2-Dichloroethane-d4

Concen: 54.715 ug/l

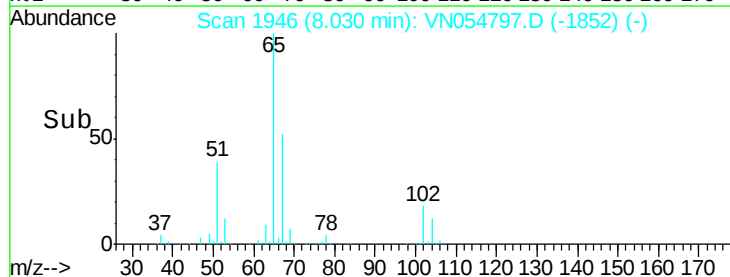
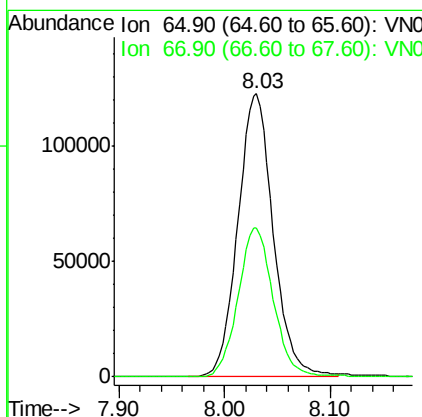
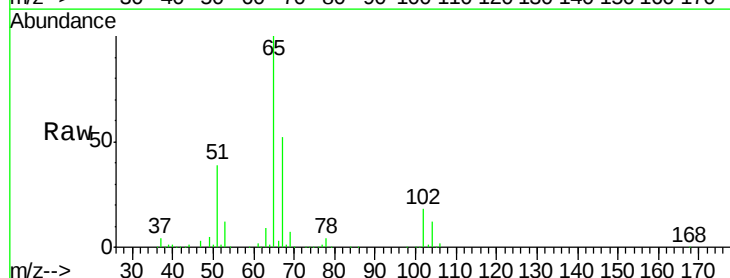
RT: 8.03 min Scan# 1946

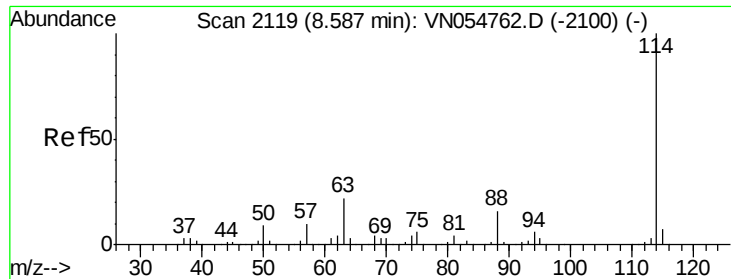
Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Tgt Ion:	65	Resp:	286318
Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

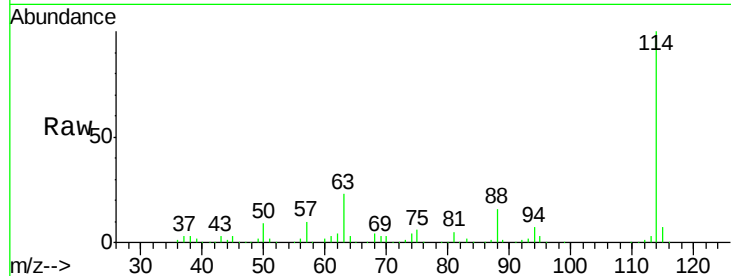
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	114	Resp:	654808
Ion Ratio	Lower	Upper	
114	100		
63	22.7	0.0	35.2
88	15.8	0.0	30.2

Manual Integrations
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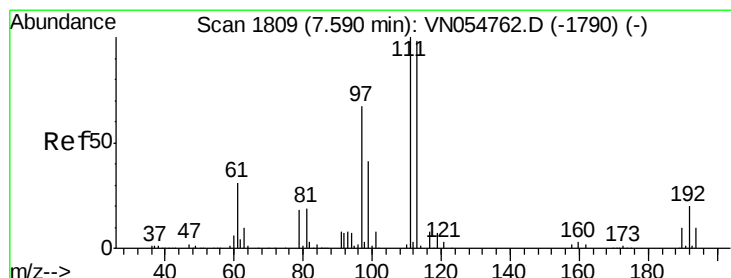
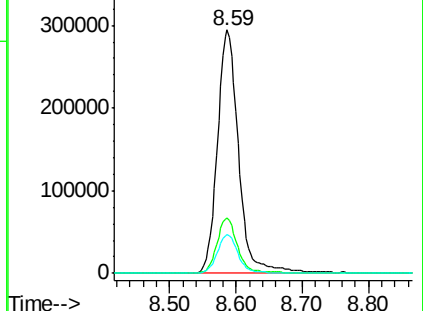
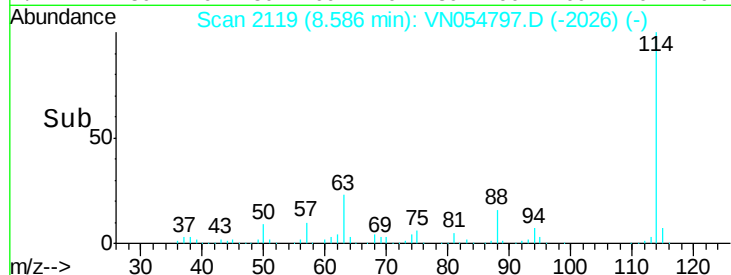
MMDadoda
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.545 ug/l

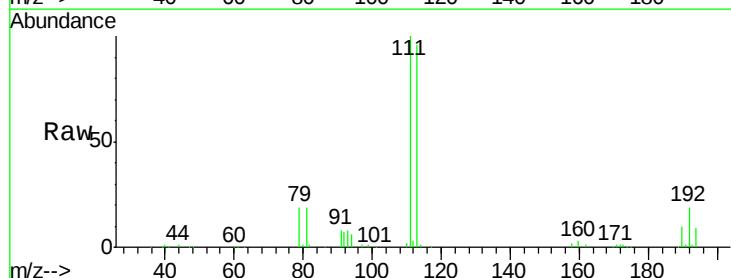
RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

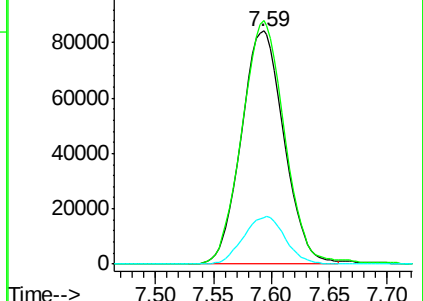
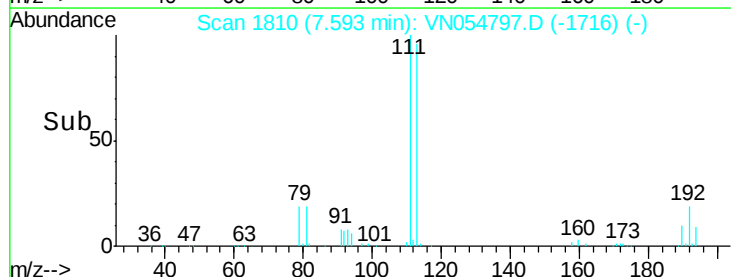
Tgt Ion:	113	Resp:	216291
Ion Ratio	Lower	Upper	
113	100		
111	104.8	82.2	123.4
192	20.0	19.2	28.8

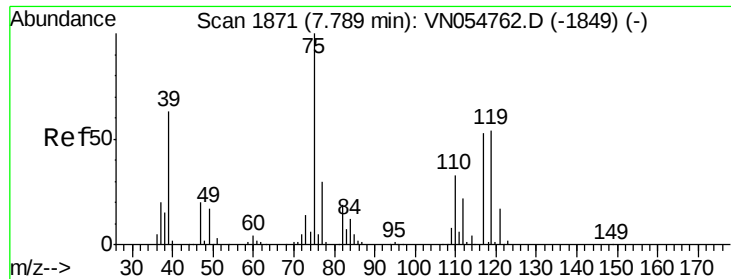


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





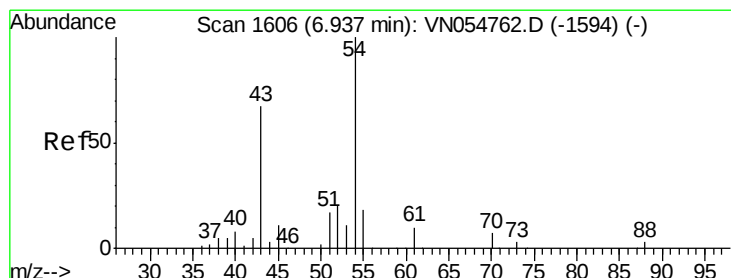
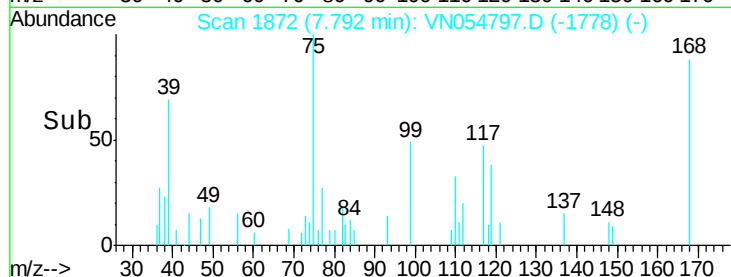
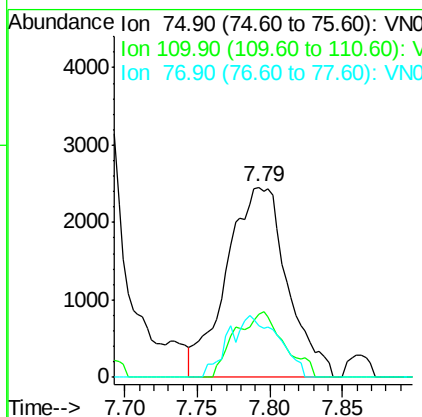
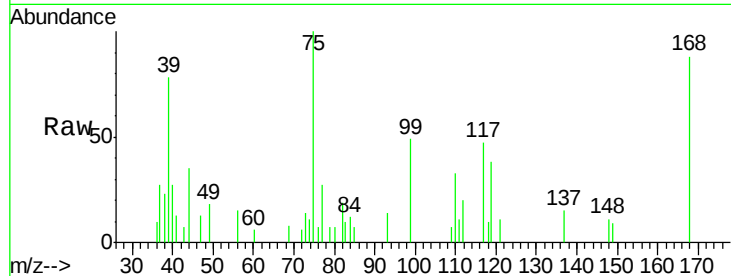
#36
 1,1-Dichloropropene
 Concen: 1.176 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
75	100		
110	27.6	19.1	57.5
77	20.3	25.0	37.4#

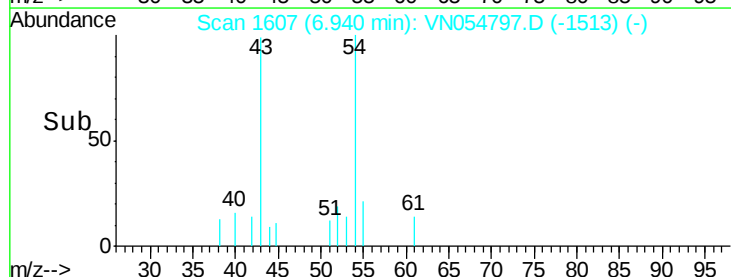
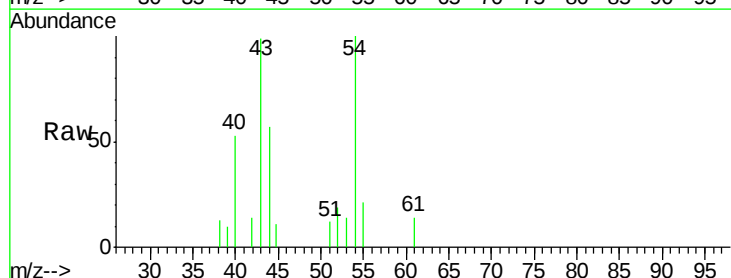
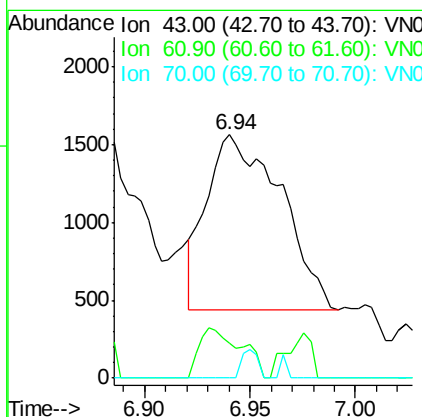
Manual Integrations
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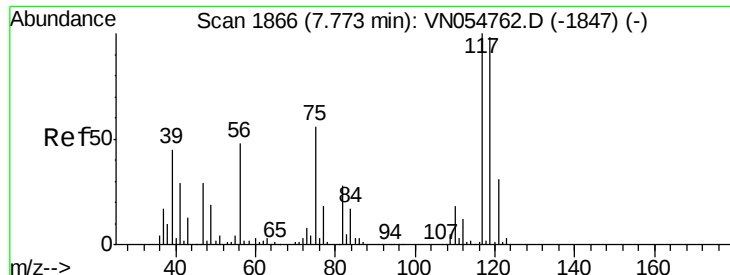
MMDadoda
 4/1/2019 1:32:48 PM



#37
 Ethyl Acetate
 Concen: 0.613 ug/l
 RT: 6.94 min Scan# 1607
 Delta R.T. 0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.4	11.8	17.6
70	3.5	8.4	12.6#





#38

Carbon Tetrachloride

Concen: 1.177 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

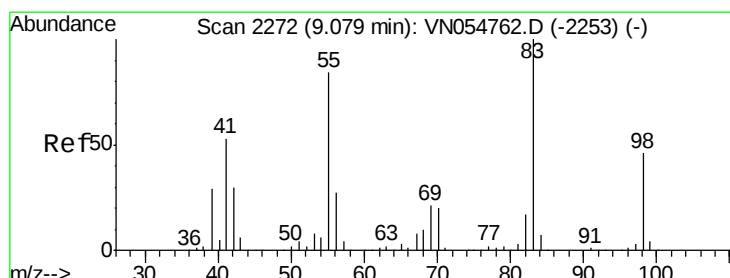
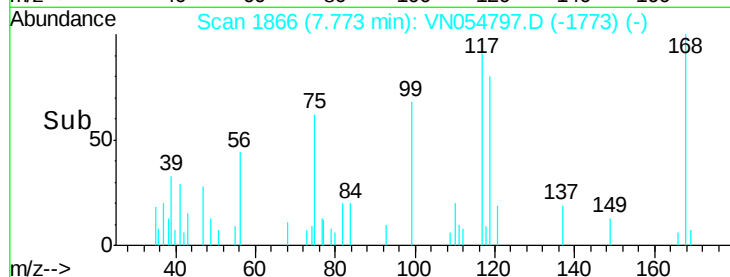
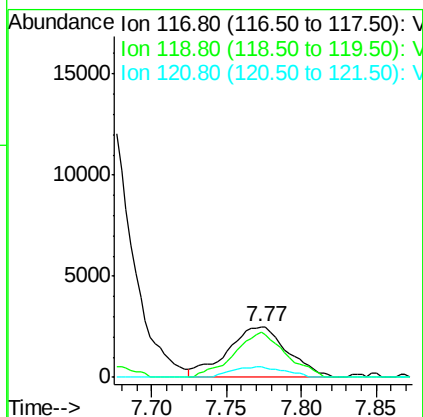
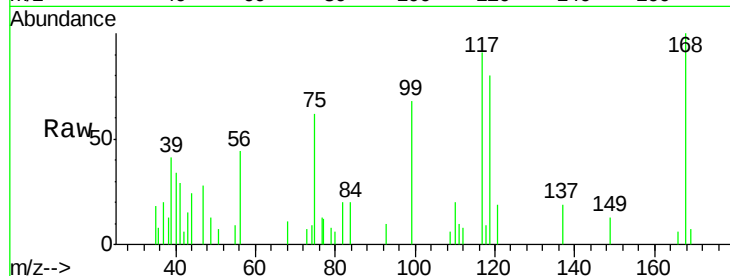
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:117 Resp: 6978
 Ion Ratio Lower Upper
 117 100
 119 88.1 76.3 114.5
 121 21.1 24.6 36.8#

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 1:32:48 PM



#39

Methylcyclohexane

Concen: 0.912 ug/l

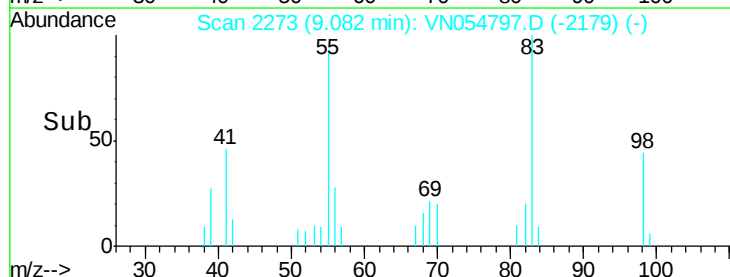
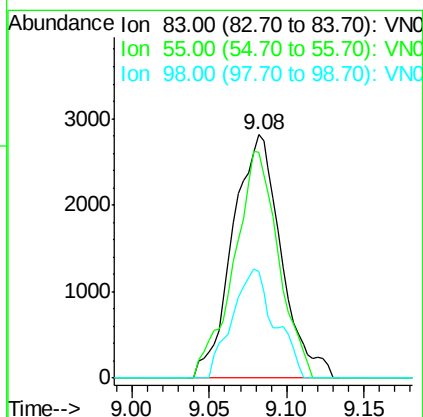
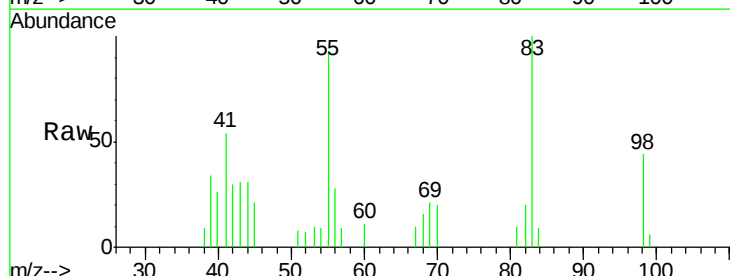
RT: 9.08 min Scan# 2273

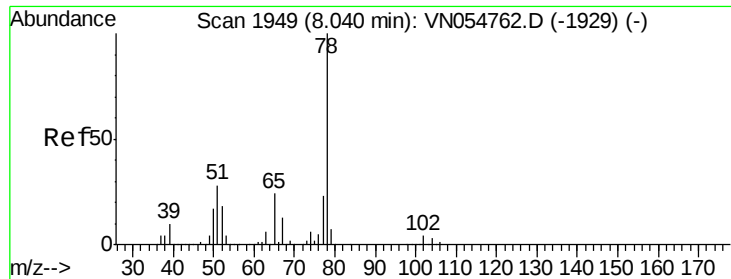
Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Tgt Ion: 83 Resp: 6117
 Ion Ratio Lower Upper
 83 100
 55 92.9 56.6 84.8#
 98 43.7 38.4 57.6





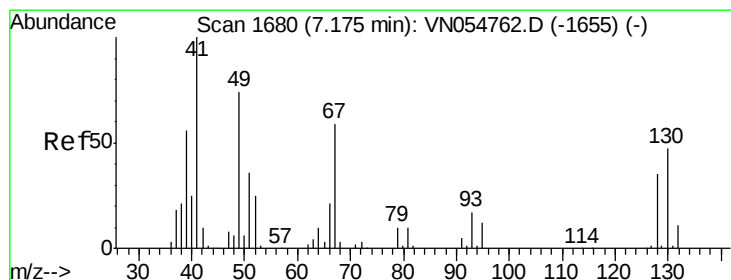
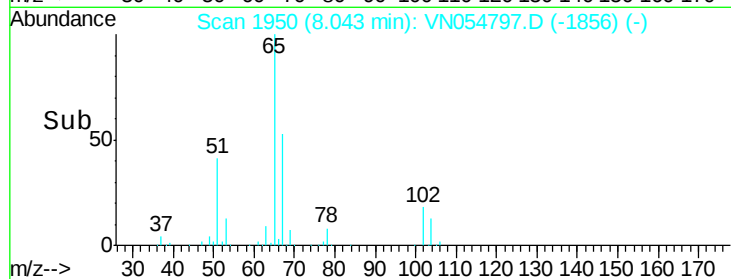
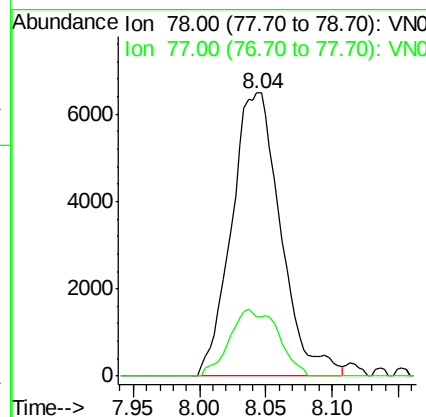
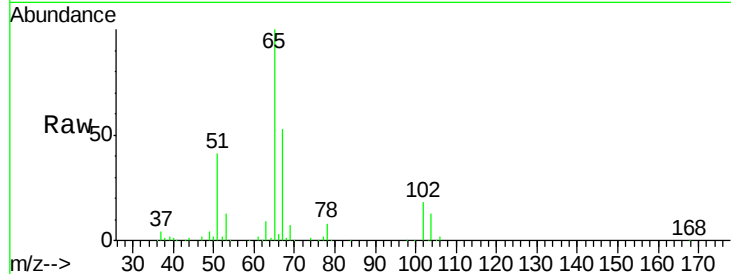
#40
Benzene
Concen: 0.957 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 78 Resp: 16707
Ion Ratio Lower Upper
78 100
77 21.2 19.1 28.7

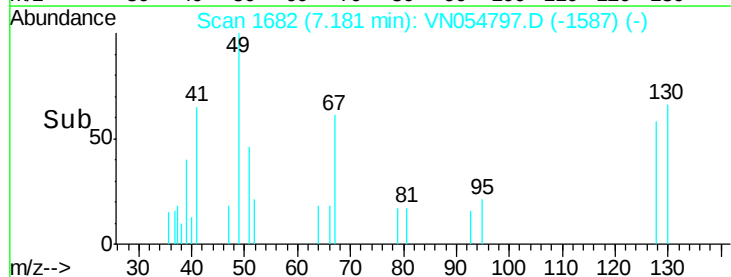
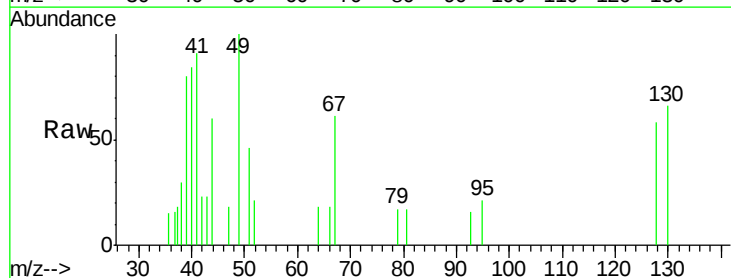
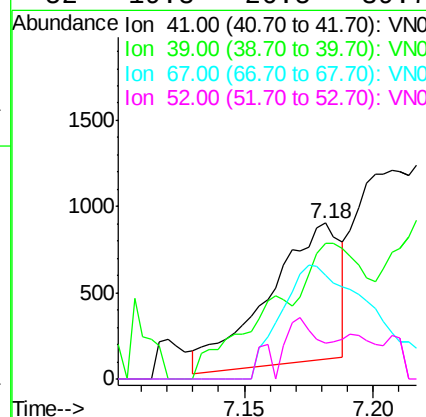
Manual Integrations
APPROVED

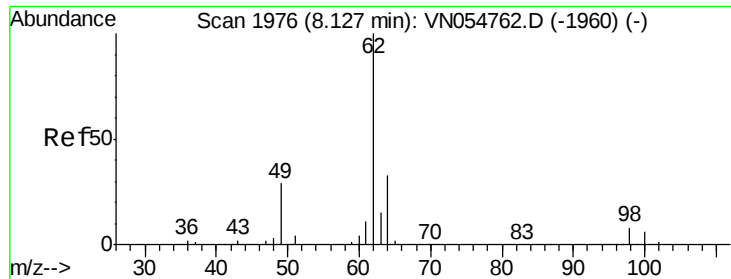
MMDadoda
4/1/2019 1:32:48 PM



#41
Methacrylonitrile
Concen: 0.622 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tgt Ion: 41 Resp: 1563
Ion Ratio Lower Upper
41 100
39 30.2 46.8 70.2#
67 103.3 67.0 100.4#
52 19.8 26.5 39.7#





#42

1,2-Dichloroethane

Concen: 1.092 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

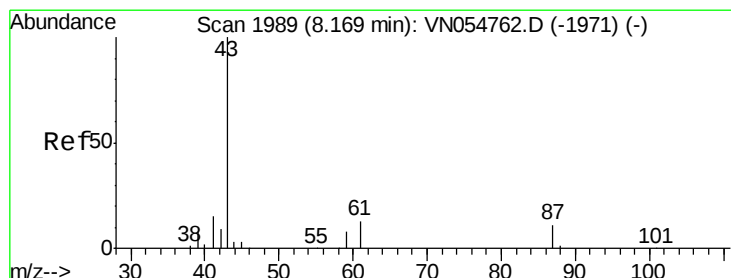
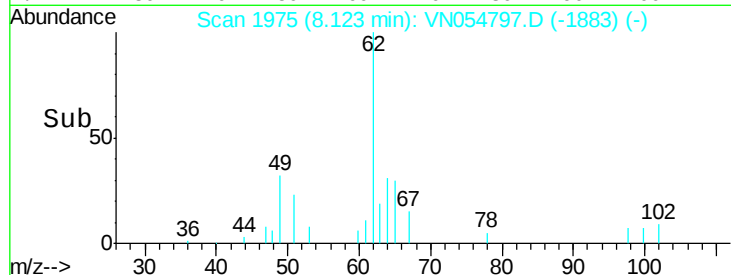
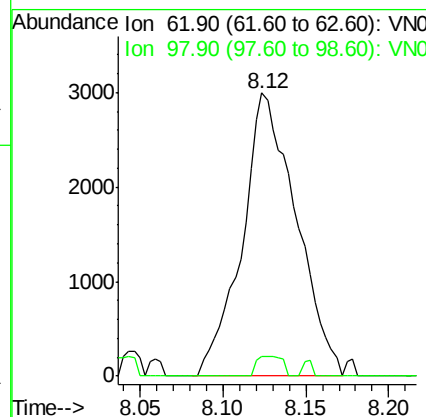
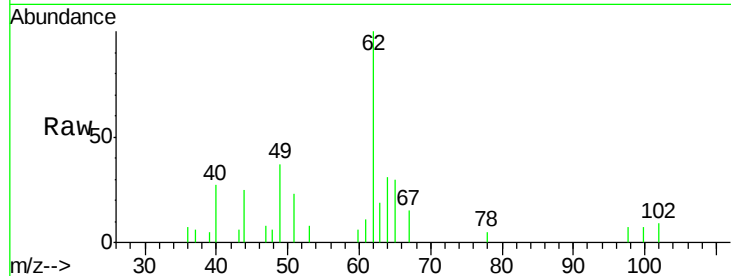
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
62	100		
98	3.3	0.0	18.4

Manual Integrations
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4/1/2019 1:32:48 PM



#43

Isopropyl Acetate

Concen: 1.154 ug/l

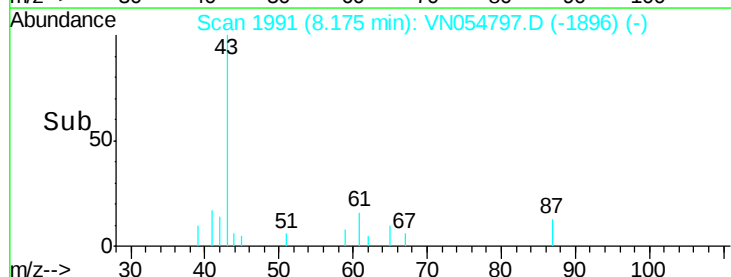
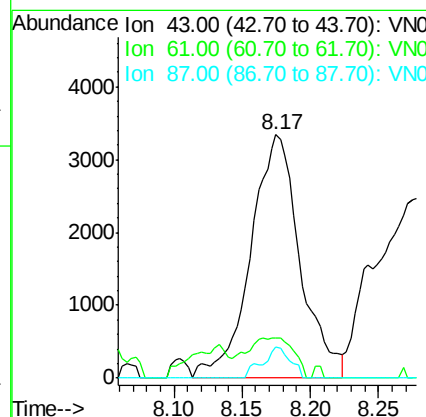
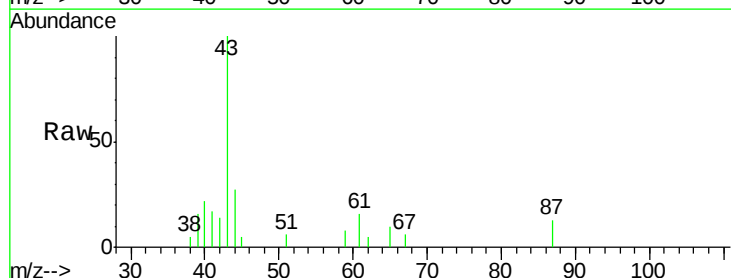
RT: 8.17 min Scan# 1991

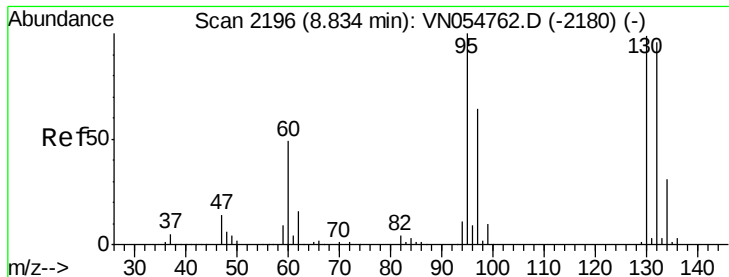
Delta R.T. 0.01 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
43	100		
61	3.0	15.8	23.8#
87	7.1	12.0	18.0#





#44

Trichloroethene

Concen: 0.974 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:130 Resp: 4414

Ion Ratio Lower Upper

130 100

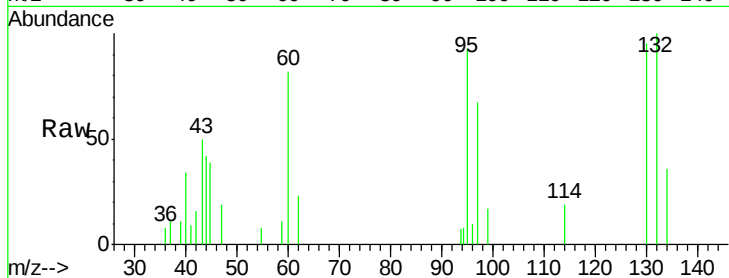
95 98.1 0.0 185.2

Manual Integrations

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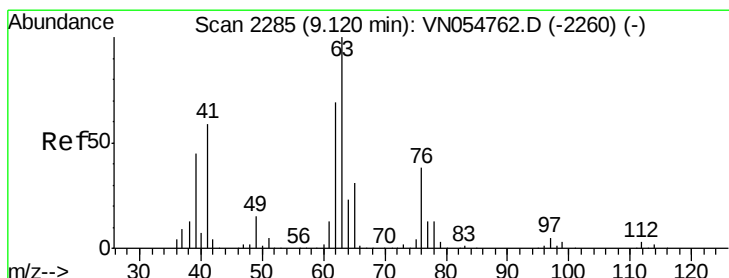
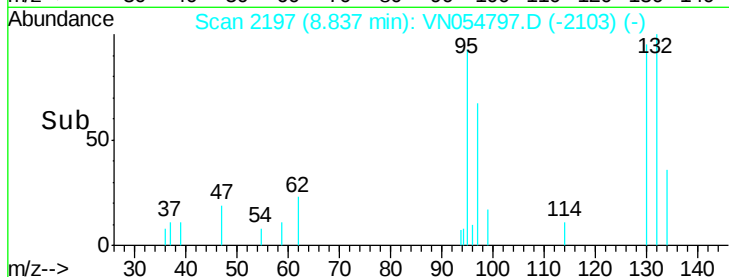
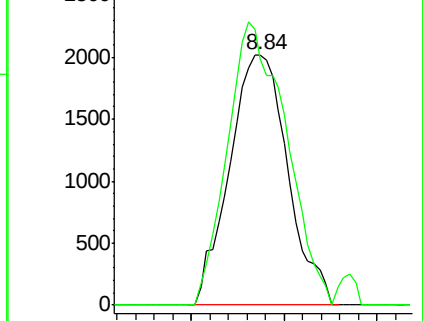
MMDadoda

4/1/2019 1:32:48 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO



#45

1,2-Dichloropropane

Concen: 1.006 ug/l

RT: 9.12 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VN054797.D

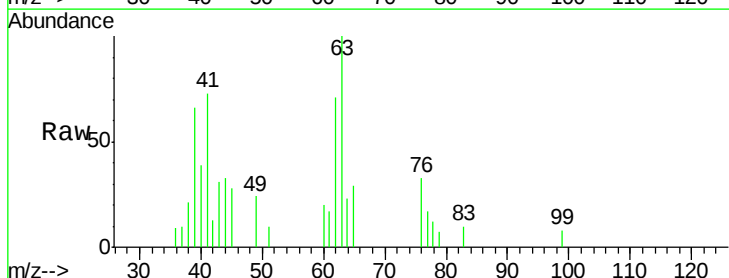
Acq: 30 Mar 2019 12:53

Tgt Ion: 63 Resp: 5007

Ion Ratio Lower Upper

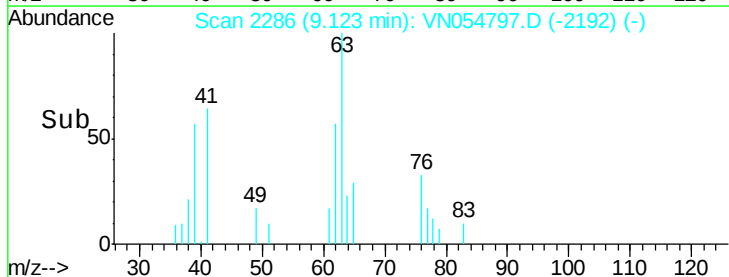
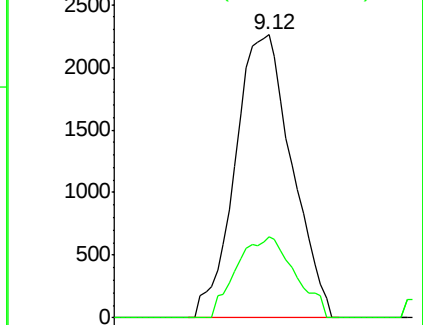
63 100

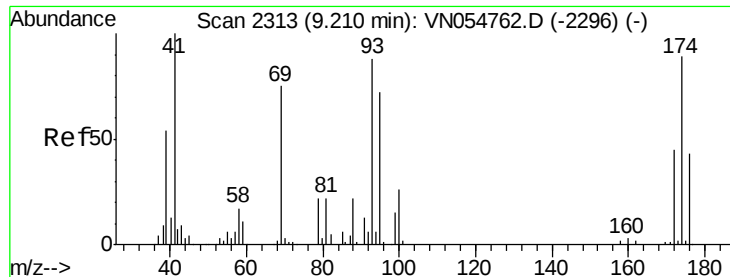
65 28.6 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO





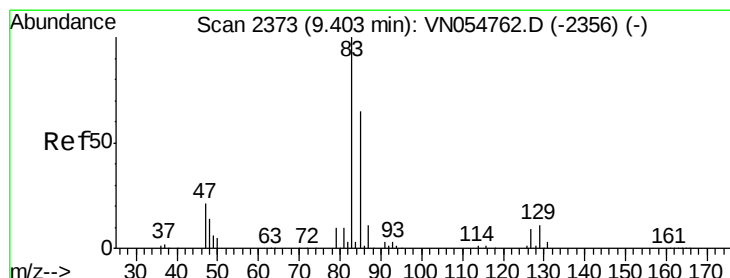
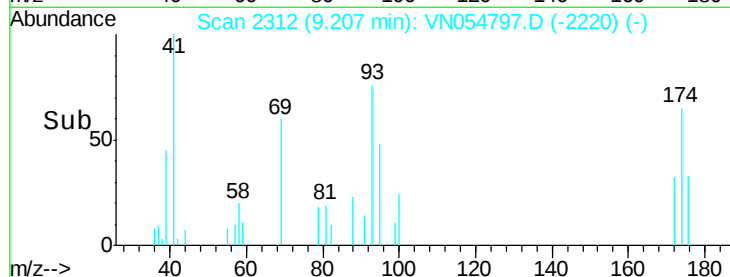
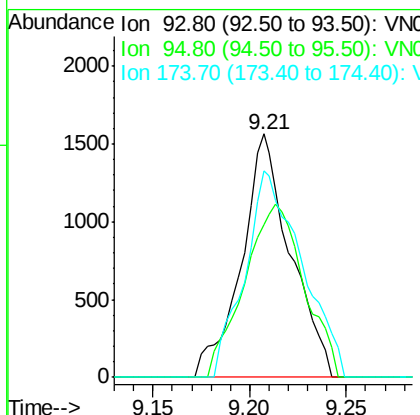
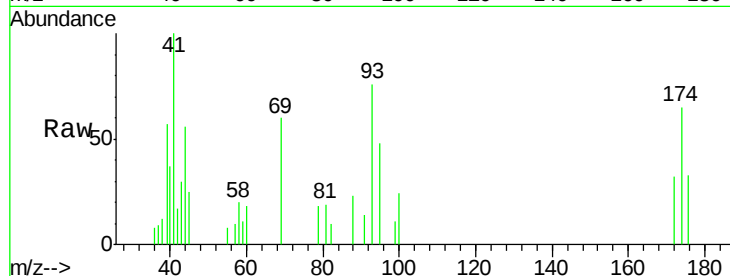
#46
 Dibromomethane
 Concen: 0.981 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tot Ion: 93 Resp: 2747
 Ion Ratio Lower Upper
 93 100
 95 86.4 66.7 100.1
 174 98.4 98.5 147.7#

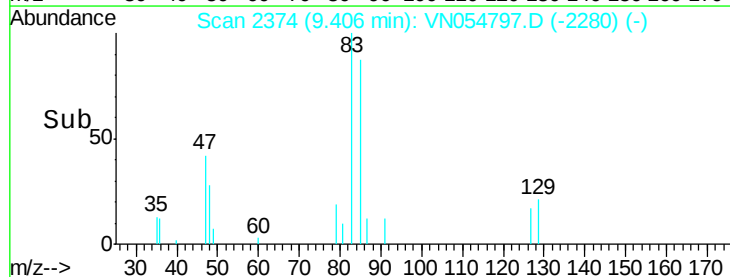
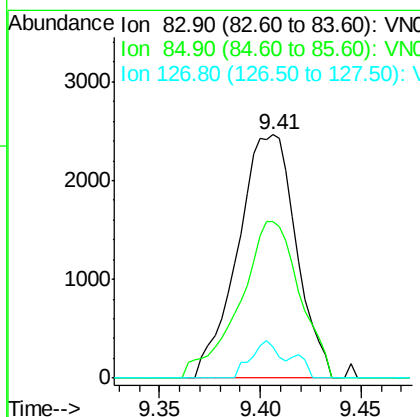
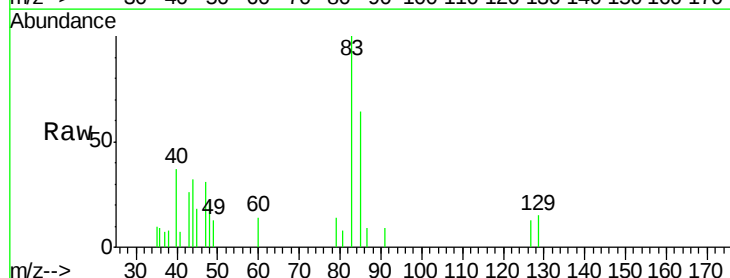
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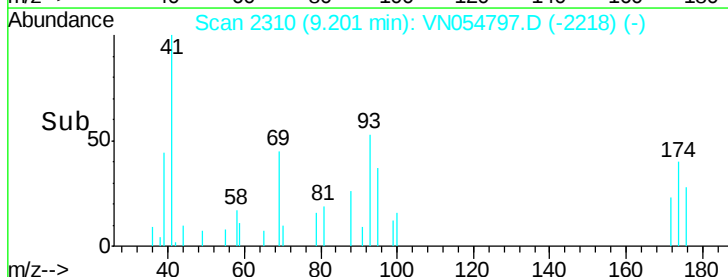
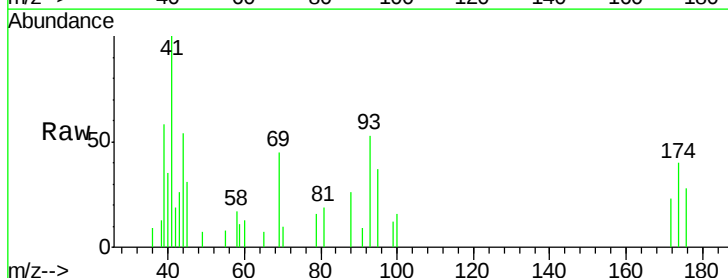
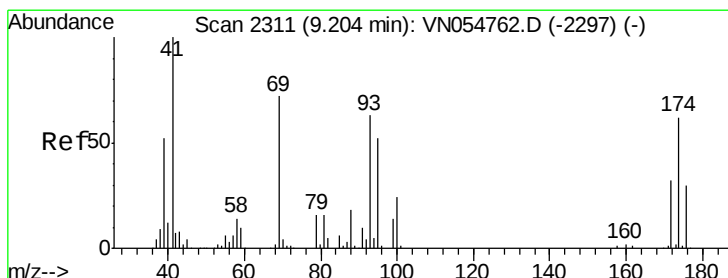
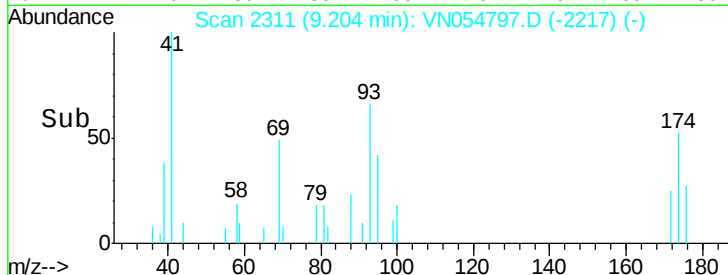
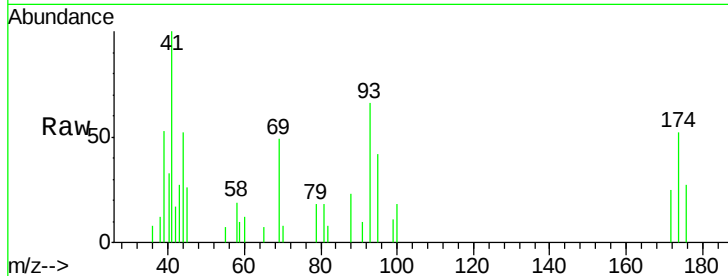
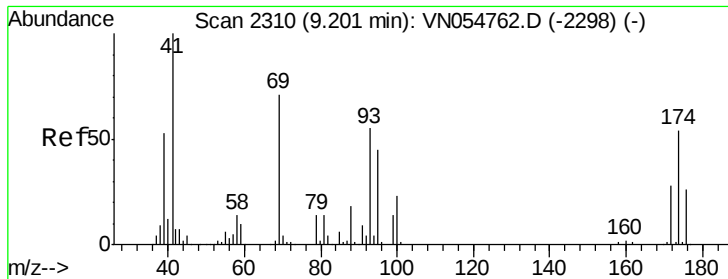
MMDadoda
 4/1/2019 1:32:48 PM



#47
 Bromodichloromethane
 Concen: 0.855 ug/l
 RT: 9.41 min Scan# 2374
 Delta R.T. 0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

Tgt Ion: 83 Resp: 4975
 Ion Ratio Lower Upper
 83 100
 85 64.2 52.8 79.2
 127 12.6 7.4 11.2#





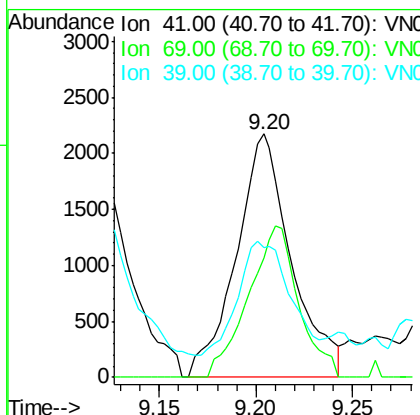
#48
Methvl methacrylate
Concen: 1.091 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tot Ion	Ratio	Lower	Upper
41	100		
69	56.4	72.6	108.8#
39	43.5	47.5	71.3#

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

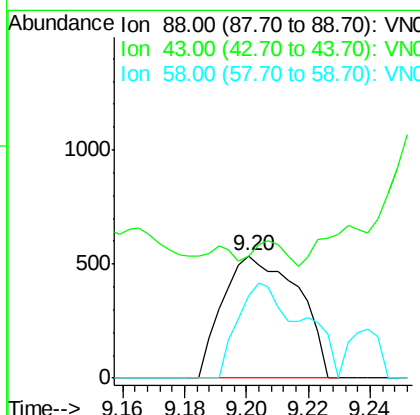
Manual Integrations
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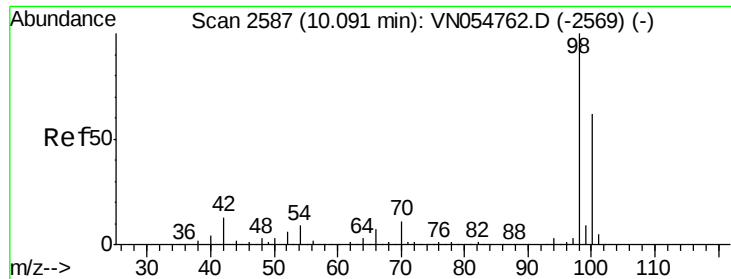
MMDadoda
4/1/2019 1:32:48 PM



#49
1,4-Dioxane
Concen: 23.195 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	24.1	36.1#
58	66.3	50.8	76.2





#50

Toluene-d8

Concen: 48.977 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 98 Resp: 794898

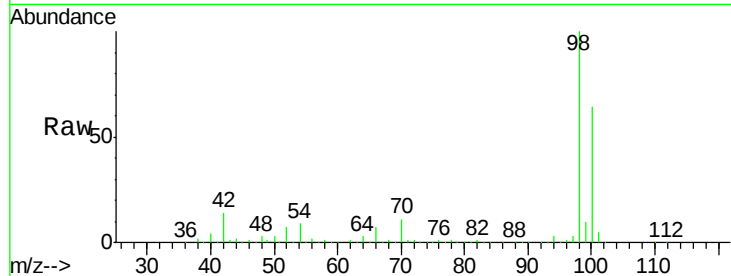
Ion Ratio Lower Upper

98 100

100 64.3 51.2 76.8

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Abundance Ion 98.00 (97.70 to 98.70): VN054762.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054762.D (-2569) (-)

10.09

400000

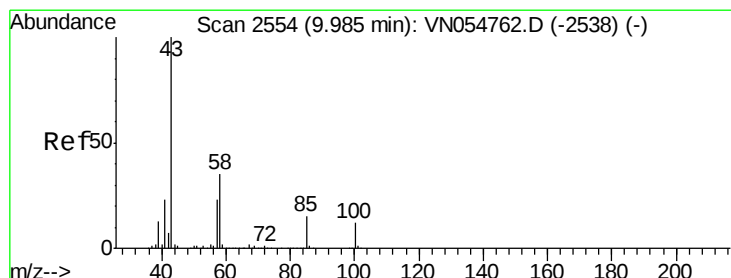
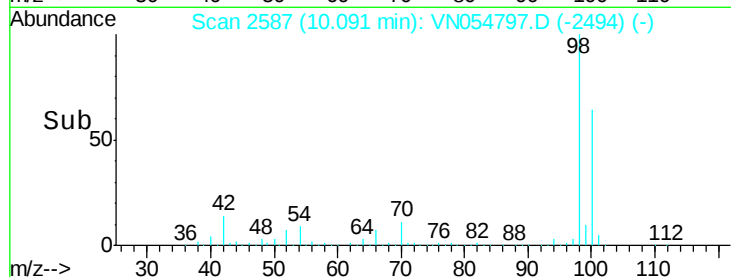
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 4.898 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054797.D

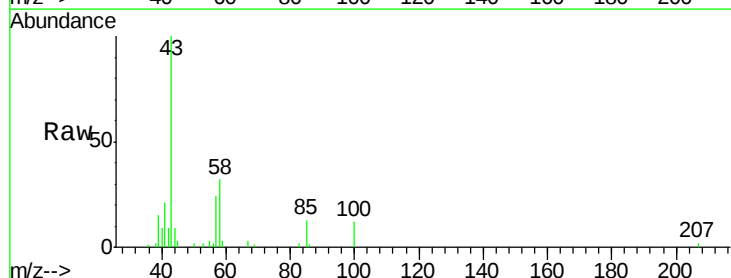
Acq: 30 Mar 2019 12:53

Tgt Ion: 43 Resp: 20021

Ion Ratio Lower Upper

43 100

58 35.6 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054762.D (-2538) (-)

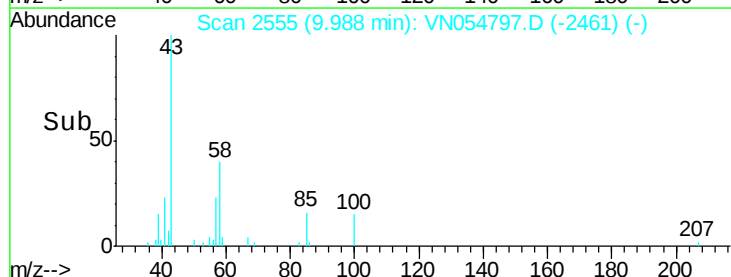
9.99

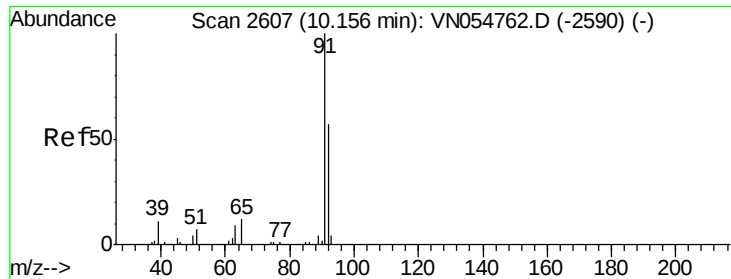
10000

5000

0

Time-->





#52

Toluene

Concen: 0.903 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 92 Resp: 9381

Ion Ratio Lower Upper

92 100

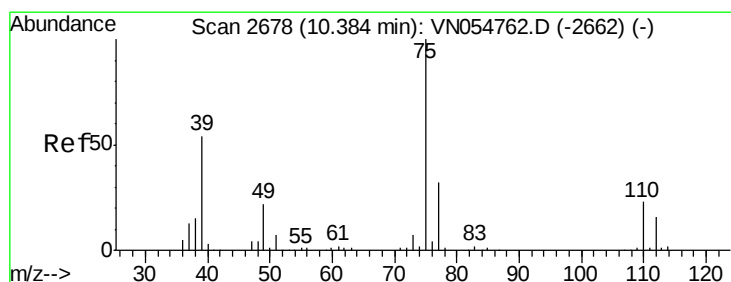
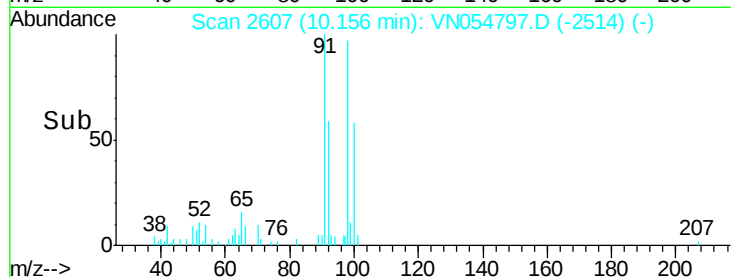
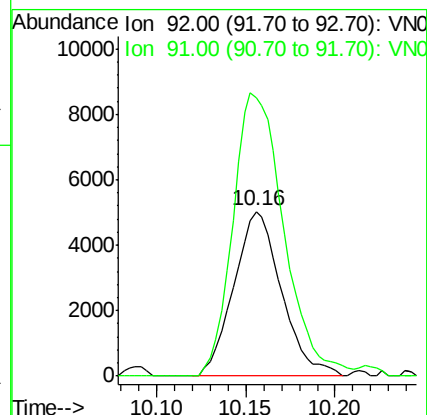
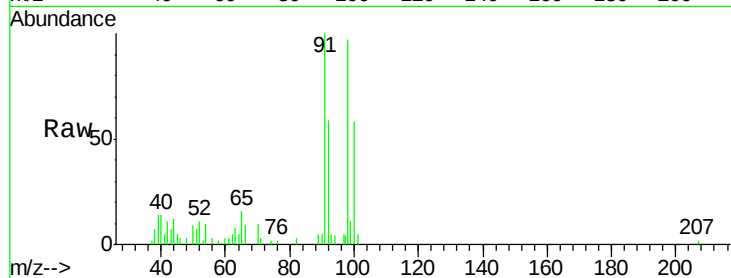
91 183.6 140.7 211.1

Manual Integrations

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#53

t-1,3-Dichloropropene

Concen: 0.823 ug/l

RT: 10.39 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN054797.D

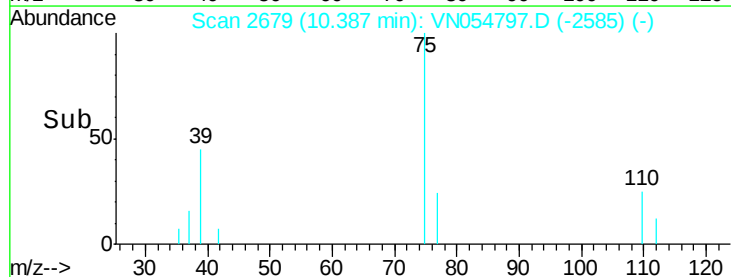
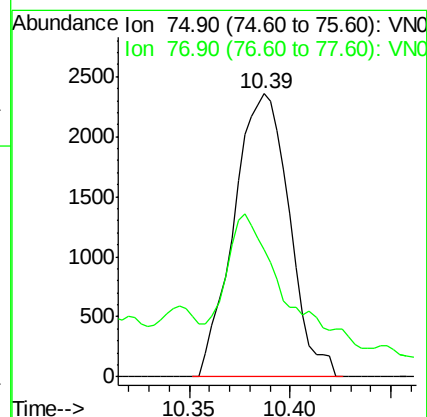
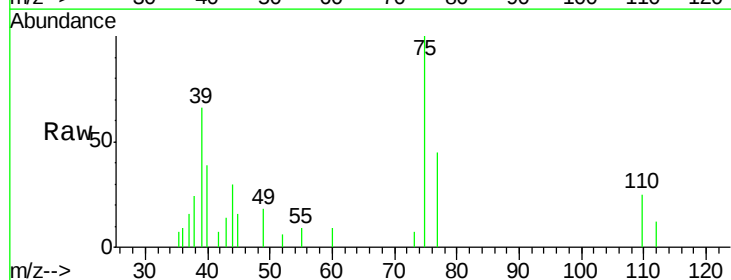
Acq: 30 Mar 2019 12:53

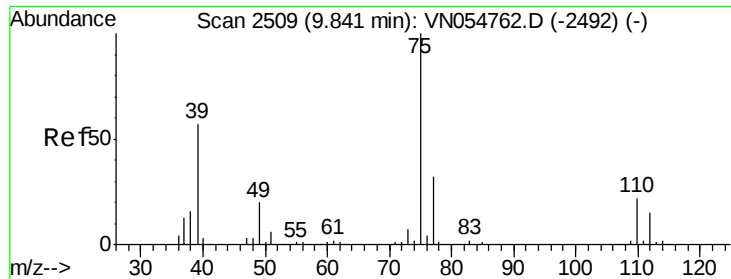
Tgt Ion: 75 Resp: 4506

Ion Ratio Lower Upper

75 100

77 28.3 25.8 38.8





#54

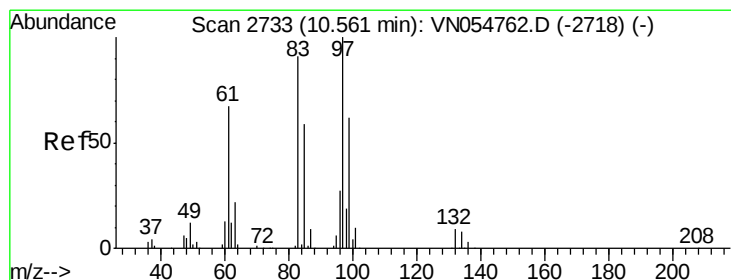
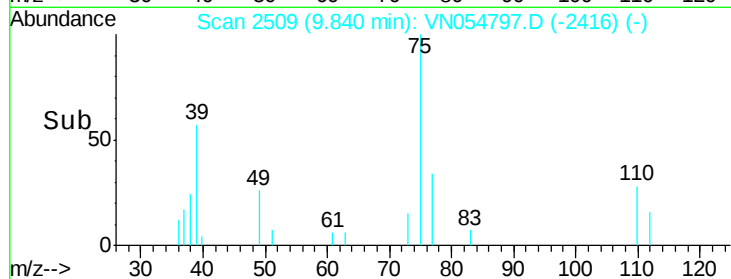
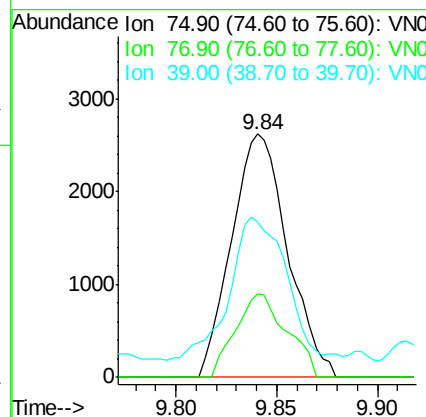
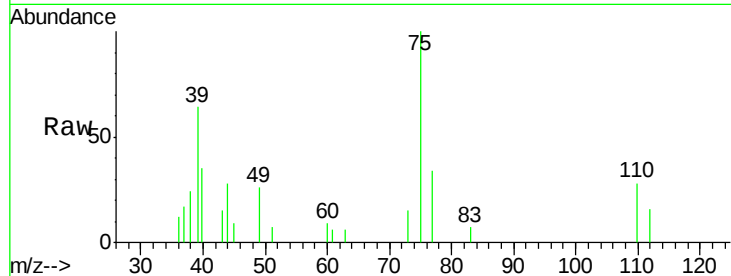
cis-1,3-Dichloropropene
 Concen: 0.776 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.5	25.4	38.0
39	55.3	37.2	55.8

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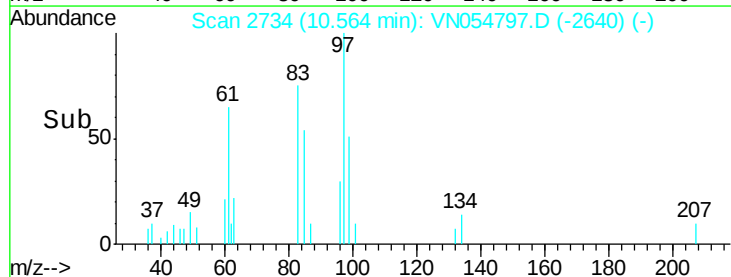
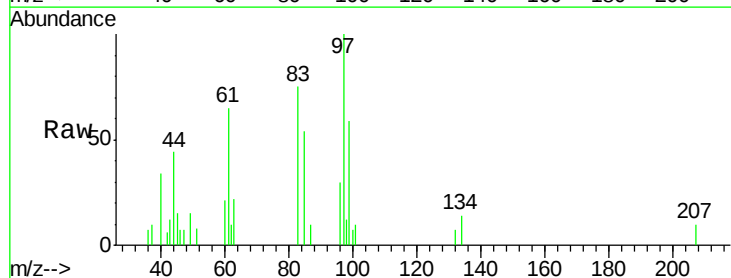
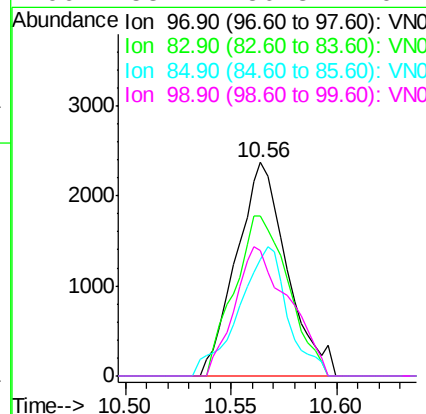
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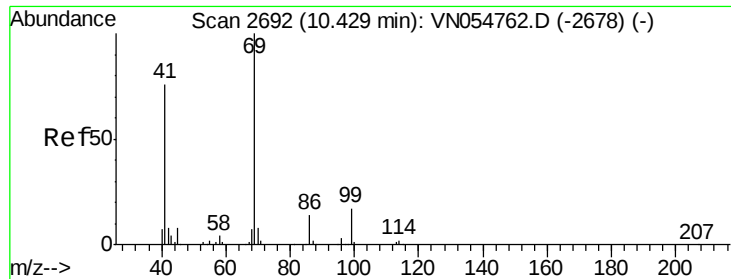


#55

1,1,2-Trichloroethane
 Concen: 1.024 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
97	100		
83	74.9	66.6	100.0
85	54.3	44.4	66.6
99	58.7	50.8	76.2





#56

Ethyl methacrylate

Concen: 0.874 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

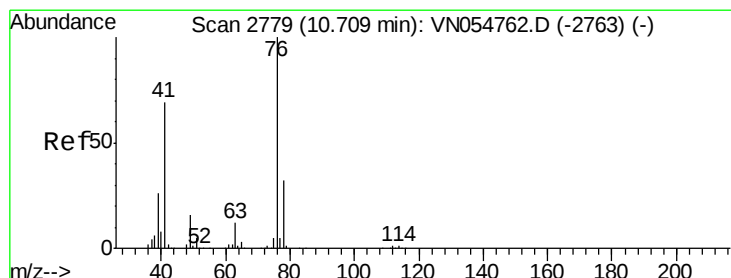
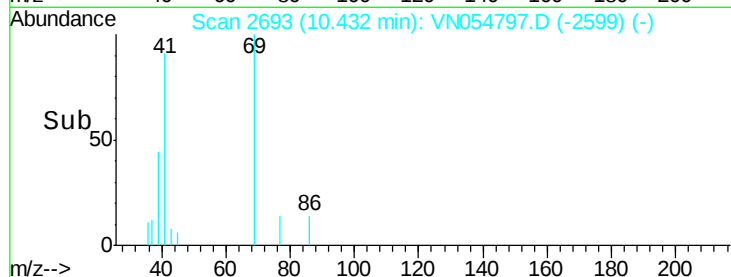
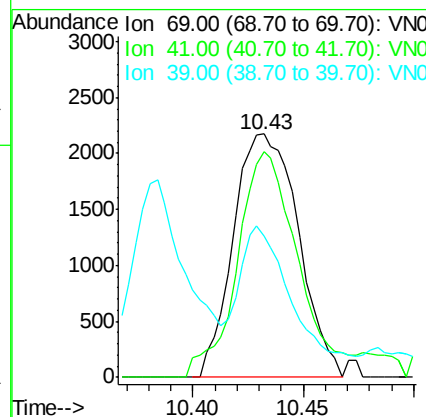
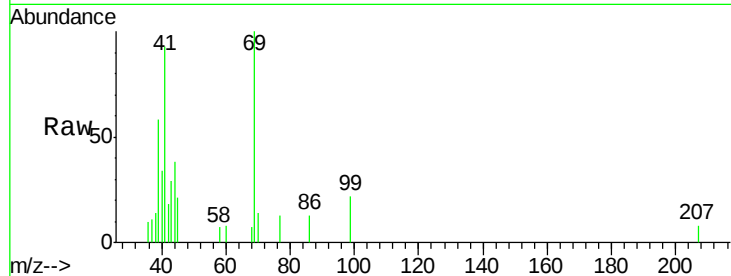
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	69	Resp:	4427
Ion	Ratio	Lower	Upper
69	100		
41	86.9	49.4	74.2#
39	38.9	28.3	42.5

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.992 ug/l

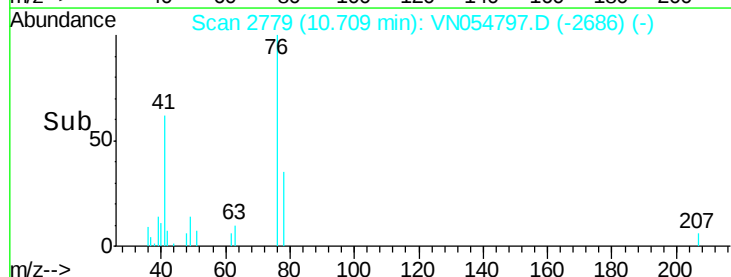
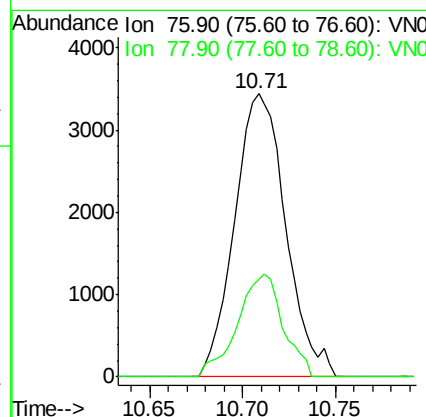
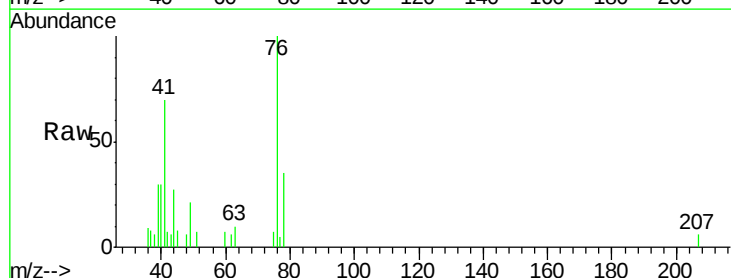
RT: 10.71 min Scan# 2779

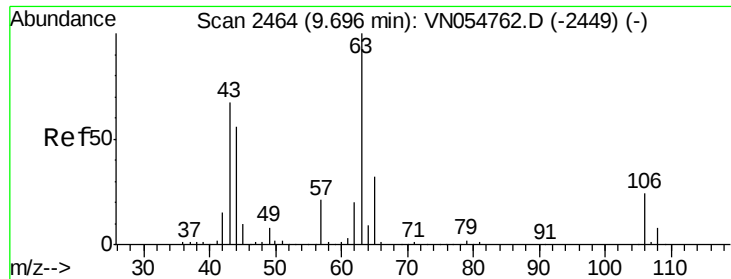
Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Tgt Ion:	76	Resp:	6586
Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.7	38.5





#58

2-Chloroethyl Vinyl ether

Concen: 14.164 ug/l

RT: 9.70 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 63 Resp: 8675

Ion Ratio Lower Upper

63 100

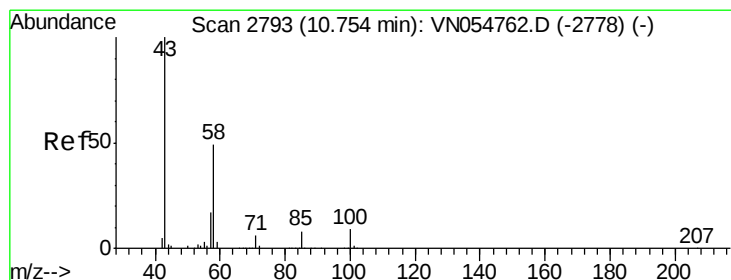
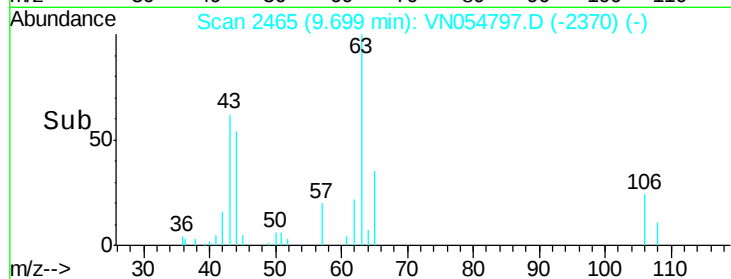
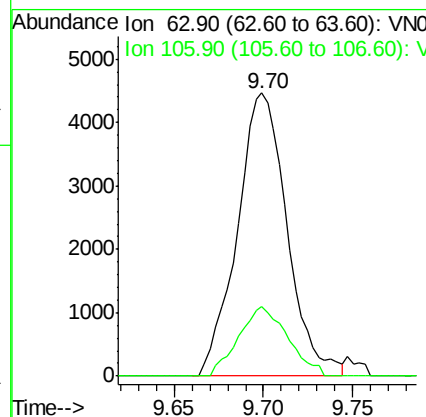
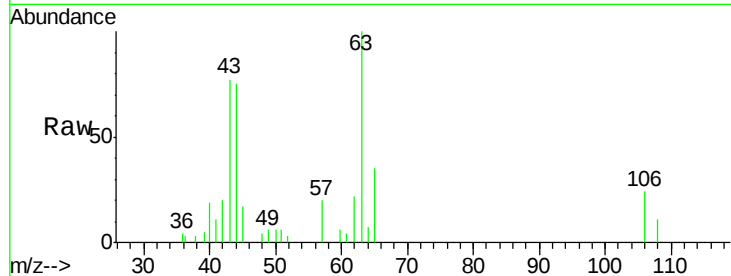
106 24.1 24.4 36.6#

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#59

2-Hexanone

Concen: 5.177 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN054797.D

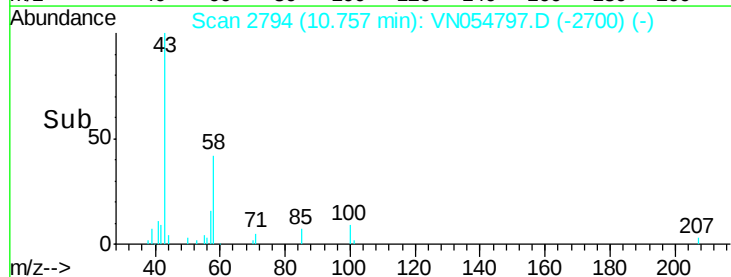
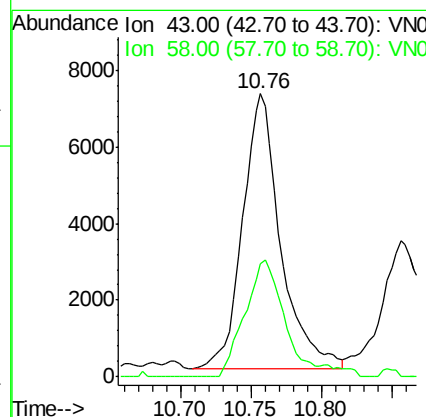
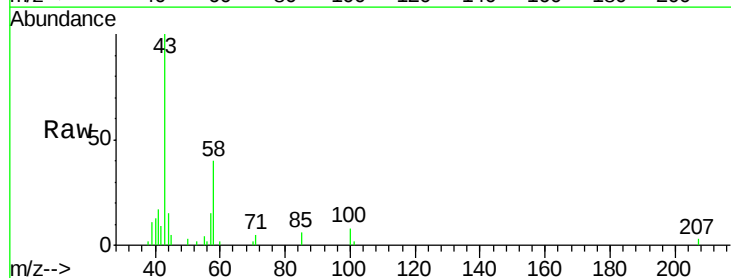
Acq: 30 Mar 2019 12:53

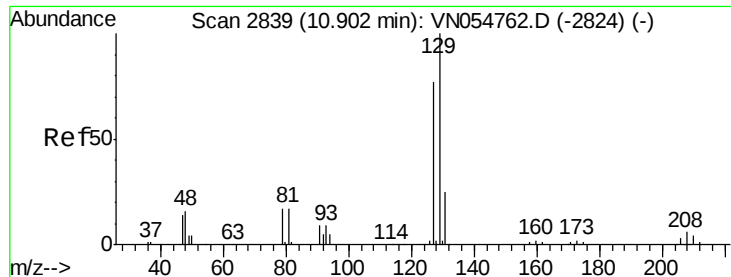
Tgt Ion: 43 Resp: 13546

Ion Ratio Lower Upper

43 100

58 43.4 28.0 83.9





#60

Dibromochloromethane

Concen: 0.842 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:129 Resp: 3295

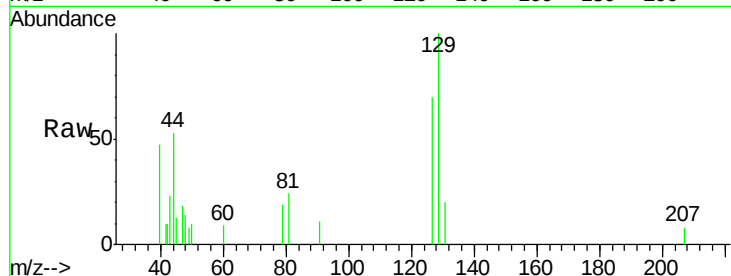
Ion Ratio Lower Upper

129 100

127 70.5 38.6 115.8

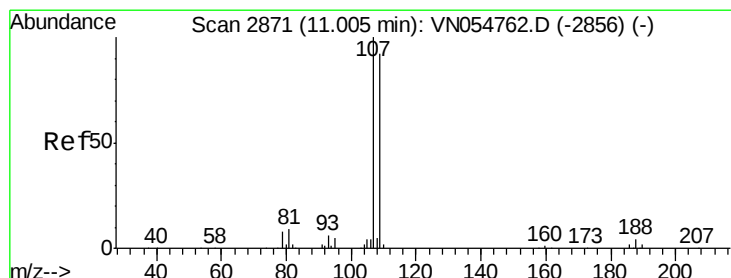
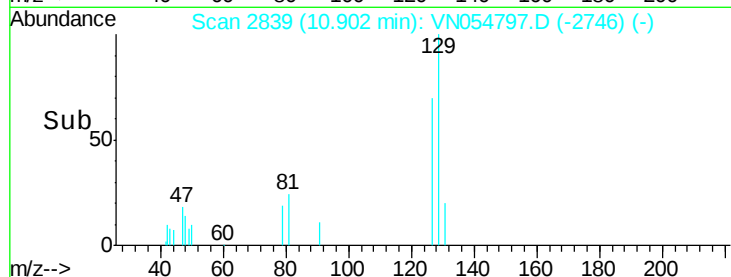
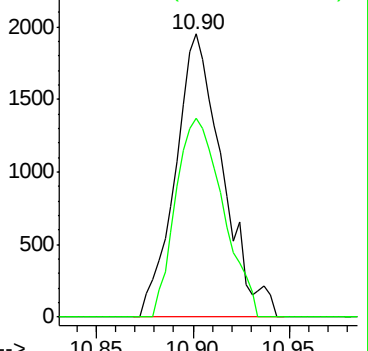
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.863 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054797.D

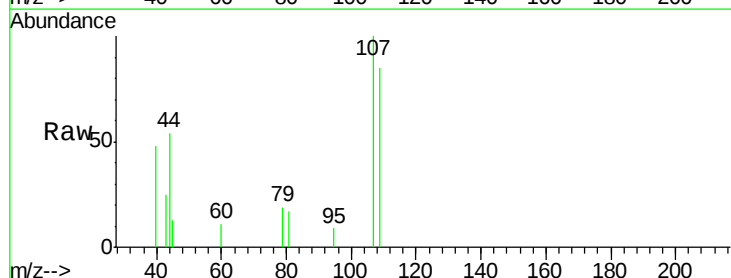
Acq: 30 Mar 2019 12:53

Tgt Ion:107 Resp: 3185

Ion Ratio Lower Upper

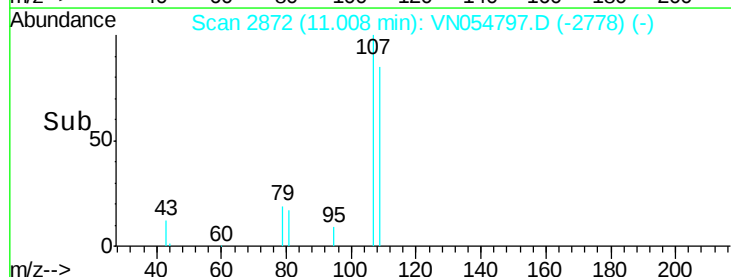
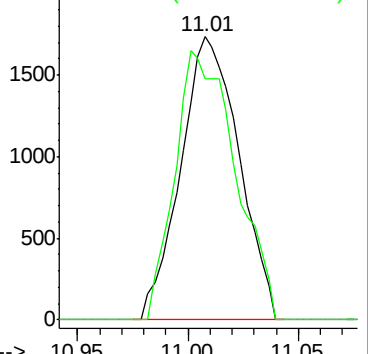
107 100

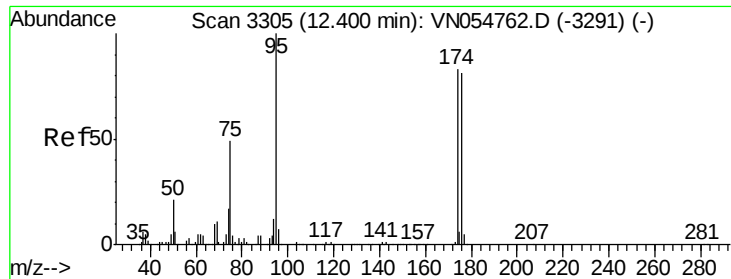
109 98.6 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 44.594 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

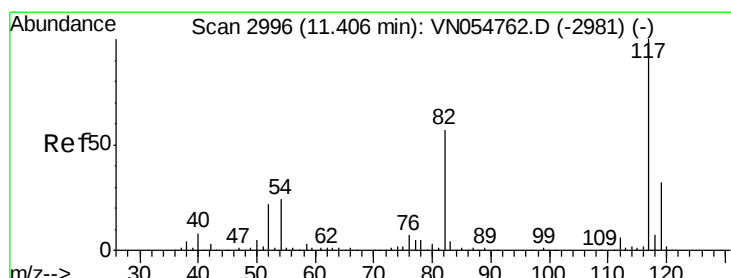
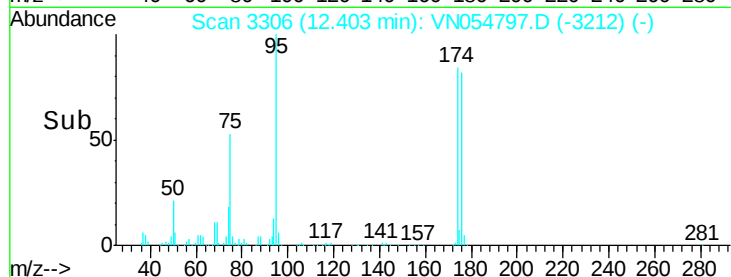
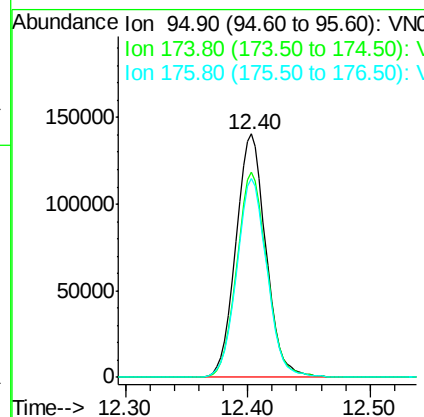
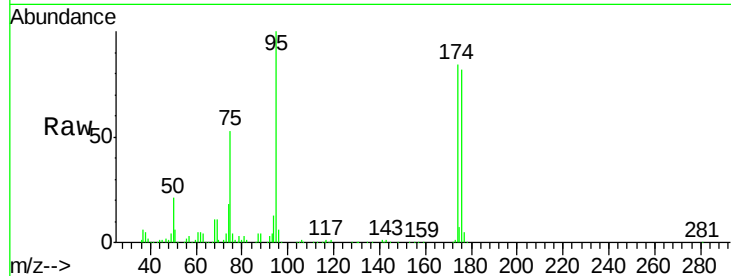
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	95	Resp:	240705
Ion Ratio	Lower	Upper	
95	100		
174	84.7	0.0	191.0
176	81.8	0.0	187.4

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

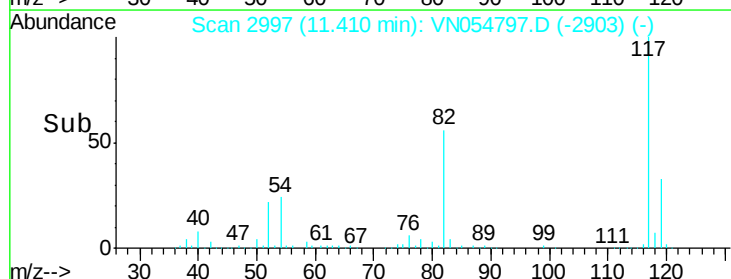
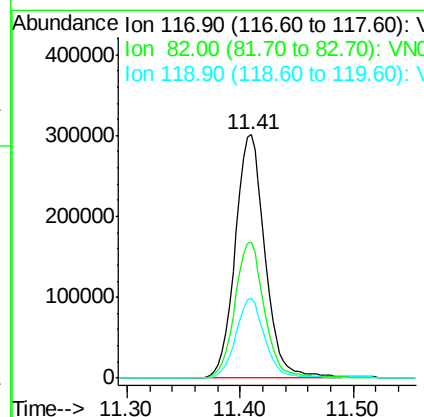
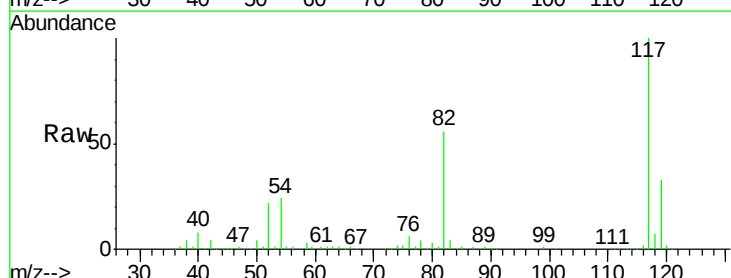
RT: 11.41 min Scan# 2997

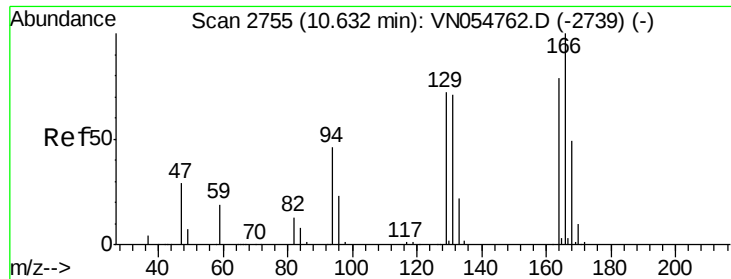
Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Tgt Ion:	117	Resp:	552136
Ion Ratio	Lower	Upper	
117	100		
82	55.6	40.0	60.0
119	33.0	25.8	38.6





#64

Tetrachloroethene

Concen: 1.027 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:164 Resp: 4350

Ion Ratio Lower Upper

164 100

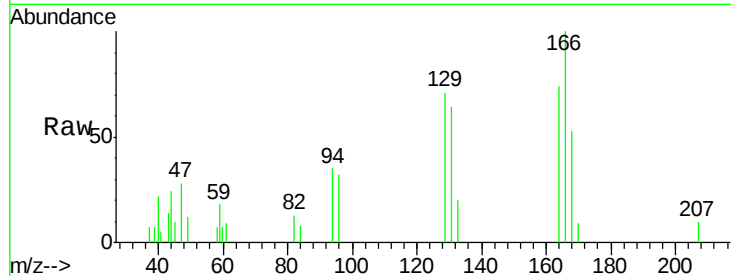
166 134.7 103.9 155.9

129 96.2 71.1 106.7

131 86.0 68.2 102.4

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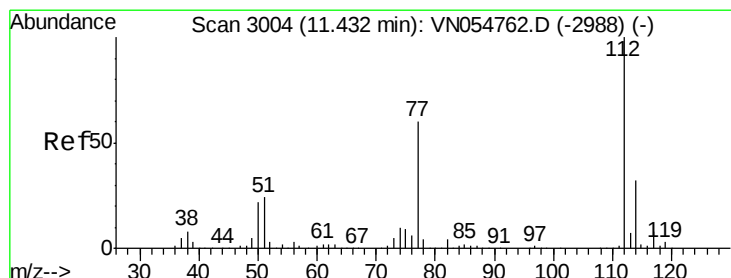
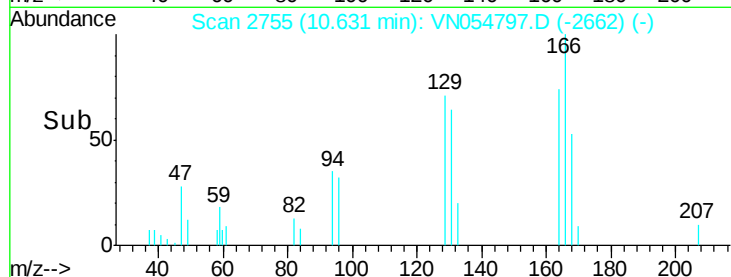
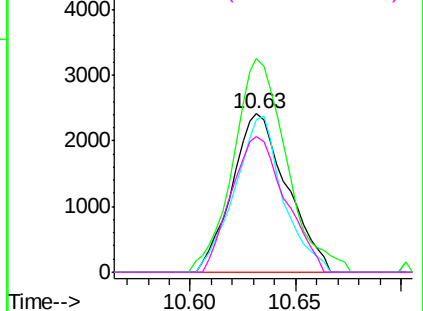


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.973 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054797.D

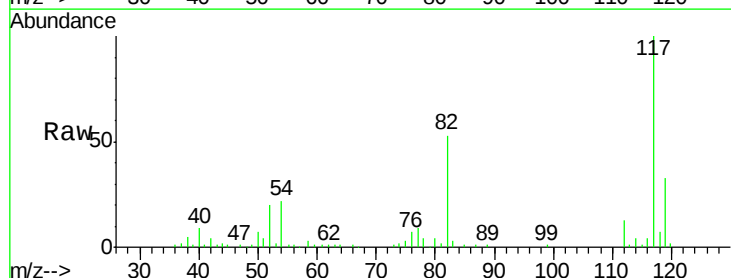
Acq: 30 Mar 2019 12:53

Tgt Ion:112 Resp: 10521

Ion Ratio Lower Upper

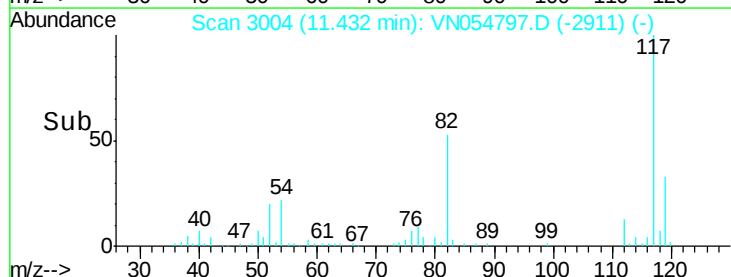
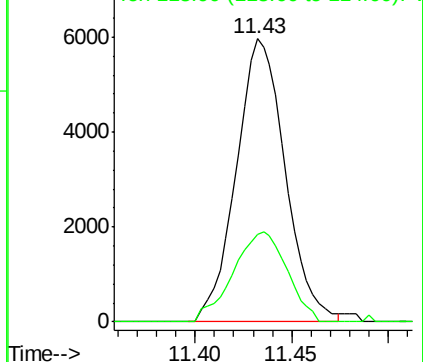
112 100

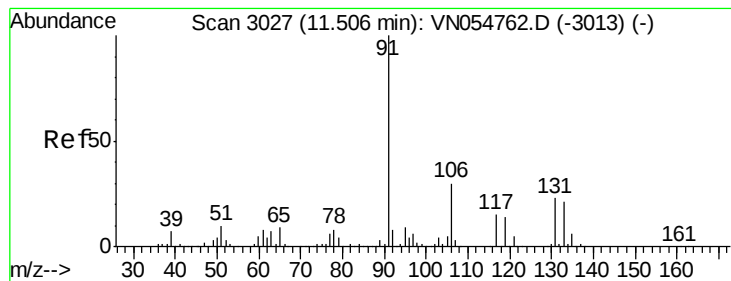
114 30.8 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 0.827 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

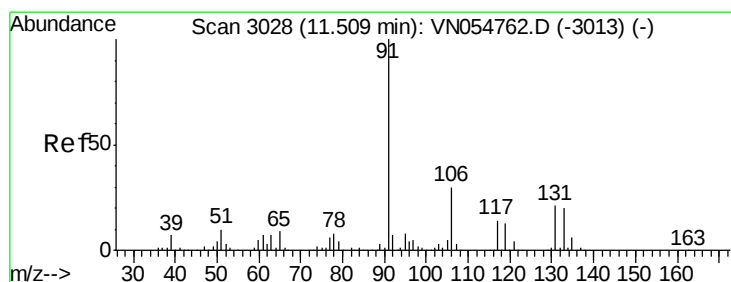
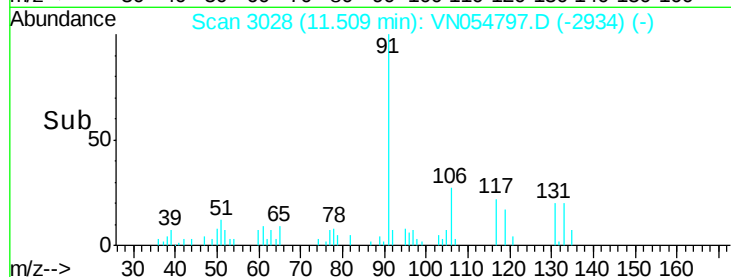
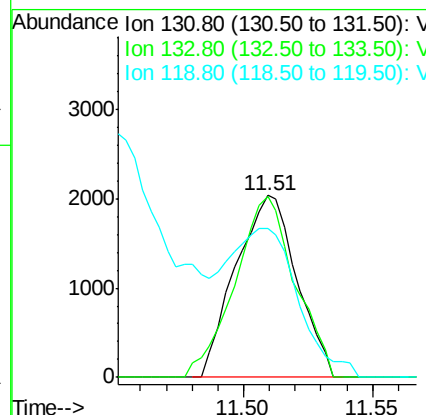
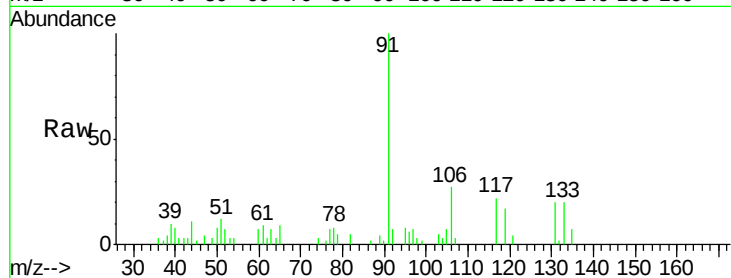
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
131	100		
133	97.9	47.6	142.9
119	0.0	32.4	97.0#

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#67

Ethyl Benzene

Concen: 0.872 ug/l

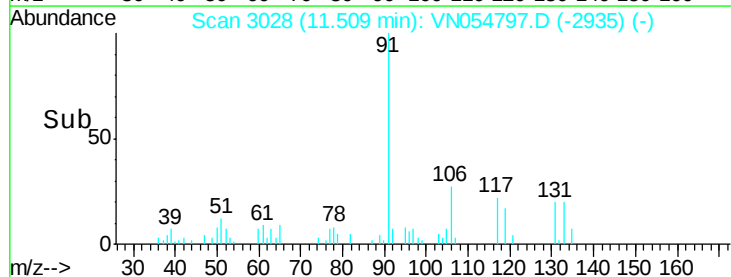
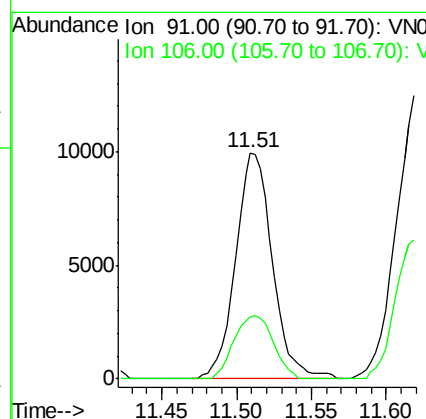
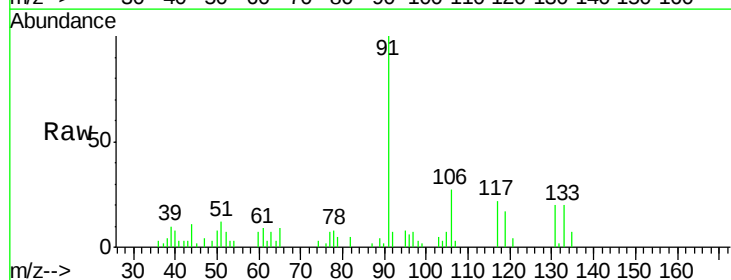
RT: 11.51 min Scan# 3028

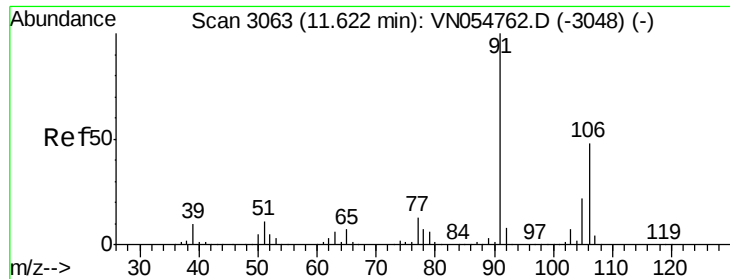
Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.3	25.5	38.3





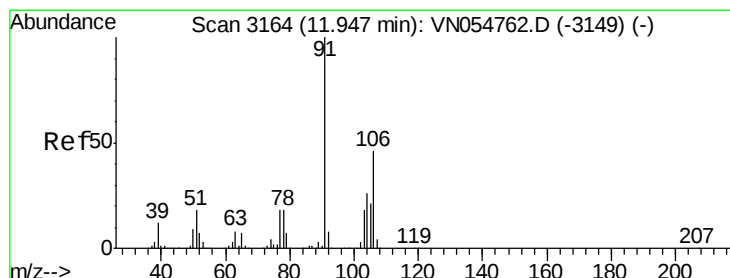
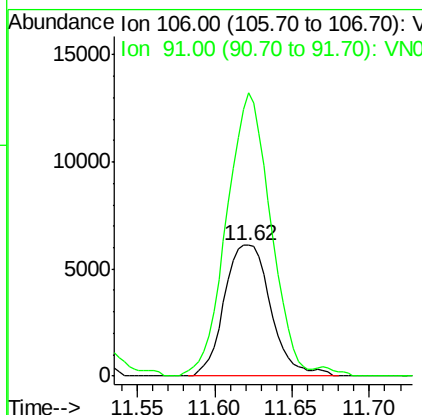
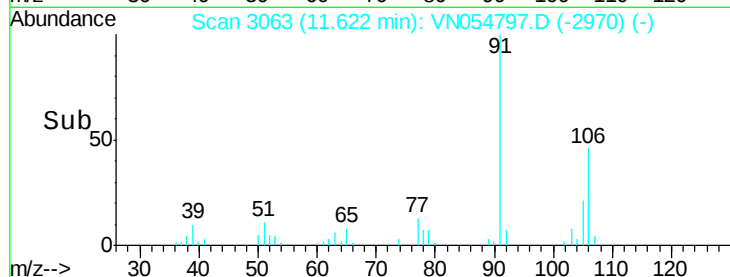
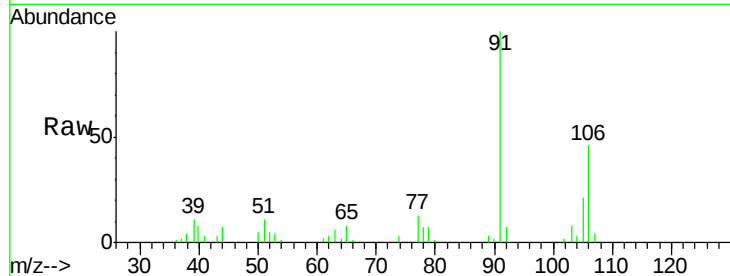
#68
m/p-Xylenes
Concen: 1.771 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion:106 Resp: 12783
Ion Ratio Lower Upper
106 100
91 203.8 159.4 239.2

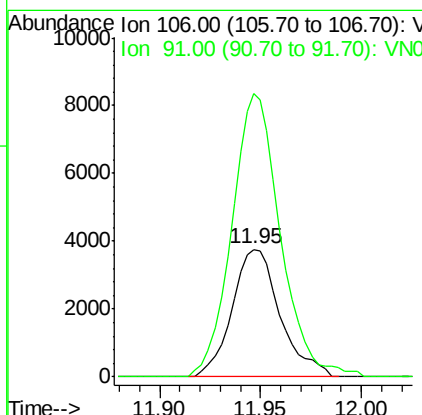
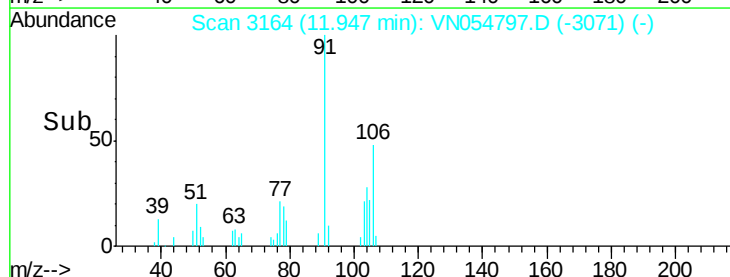
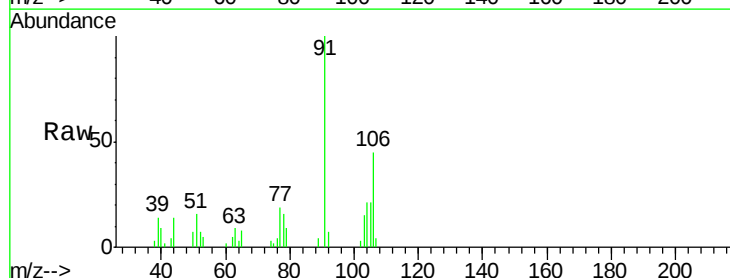
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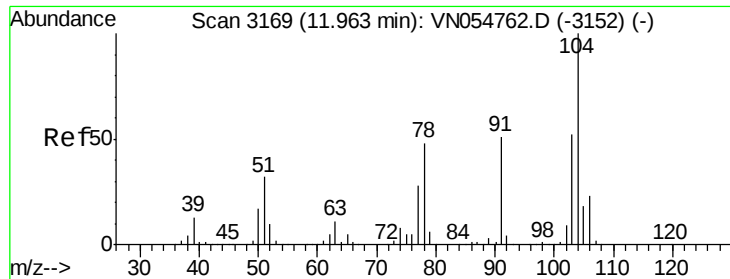
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#69
o-Xylene
Concen: 0.886 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tgt Ion:106 Resp: 6273
Ion Ratio Lower Upper
106 100
91 223.6 105.7 317.1





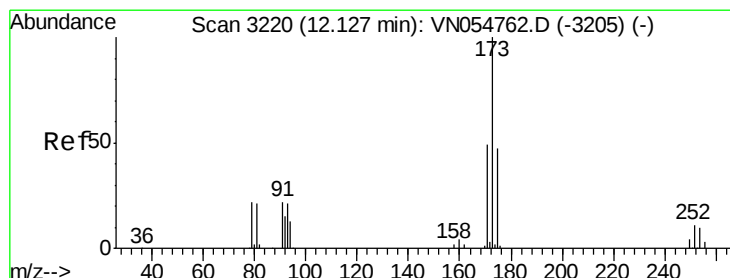
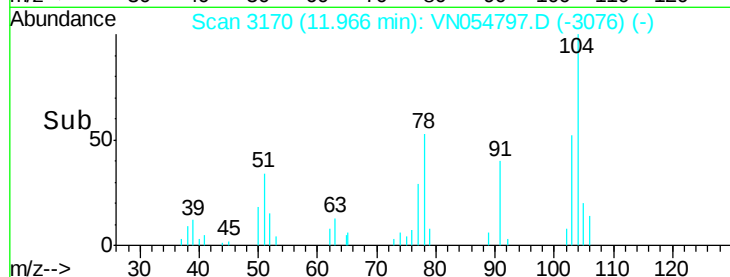
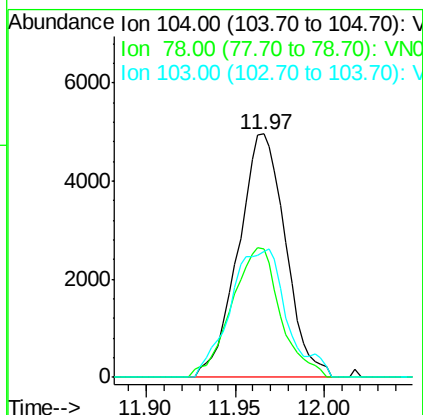
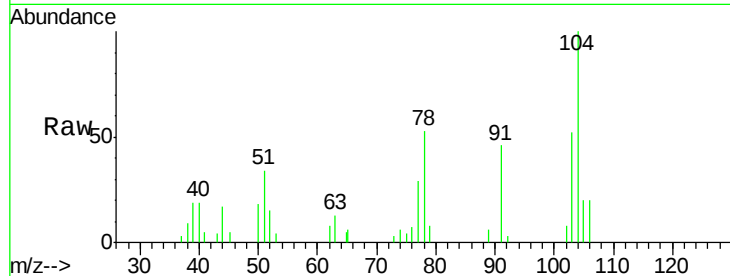
#70
Stvrene
Concen: 0.812 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.1	38.2	57.2
103	62.5	44.4	66.6

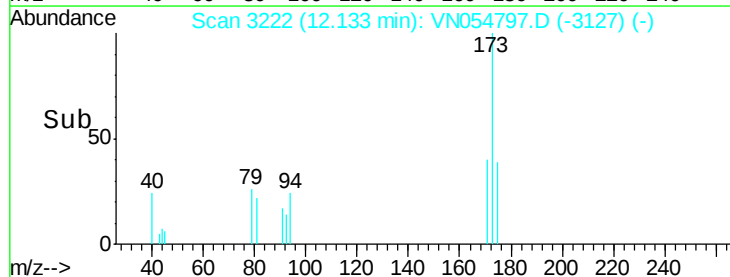
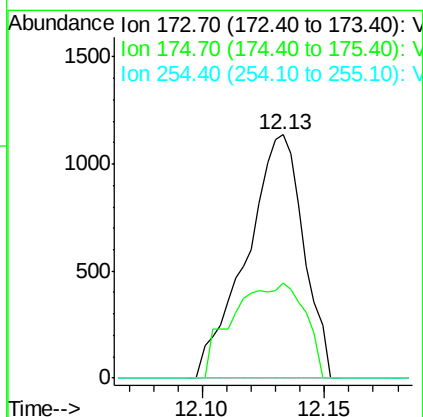
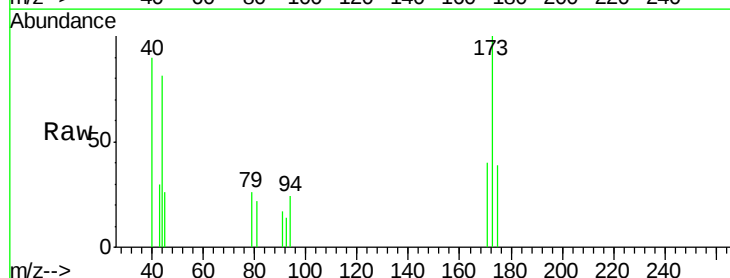
Manual Integrations
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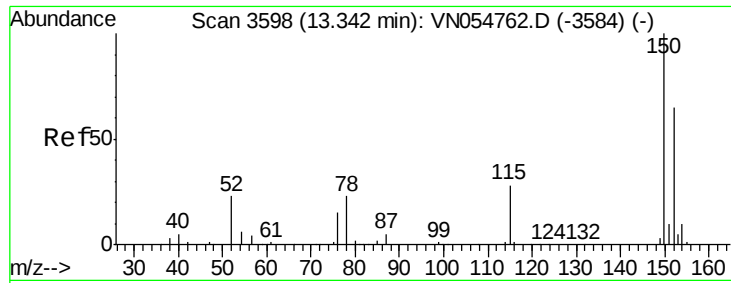
MMDadoda
4/1/2019 1:32:48 PM



#71
Bromoform
Concen: 0.781 ug/l
RT: 12.13 min Scan# 3222
Delta R.T. 0.01 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.4	73.2
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:152 Resp: 193976

Ion Ratio Lower Upper

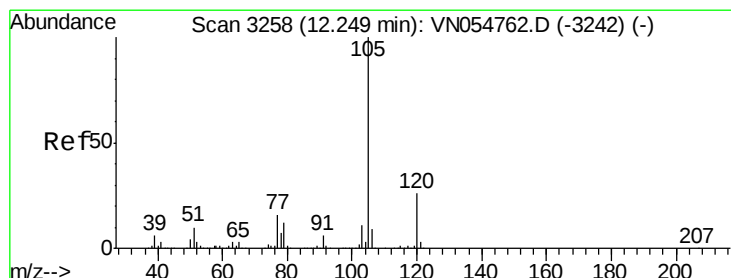
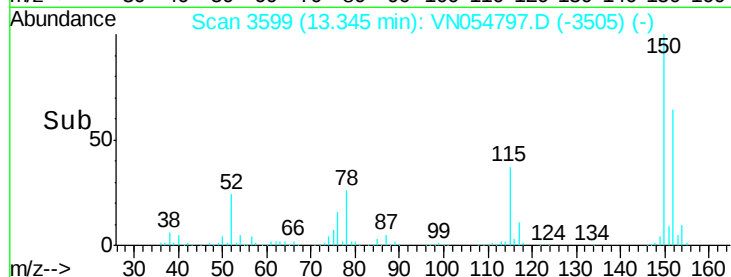
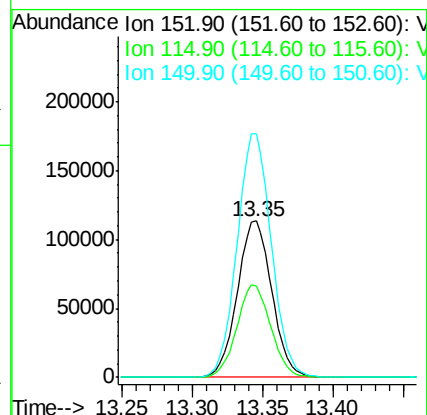
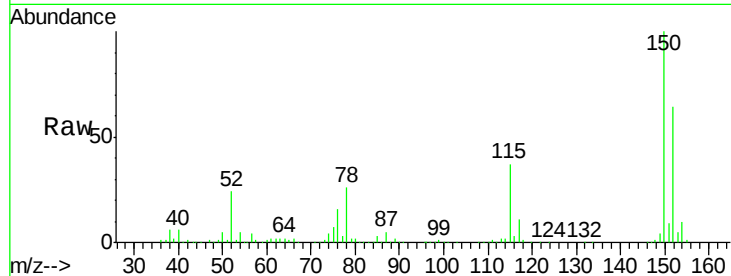
152 100

115 58.5 27.2 81.6

150 154.9 0.0 349.2

Manual Integrations
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#73

Isopropylbenzene

Concen: 1.018 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054797.D

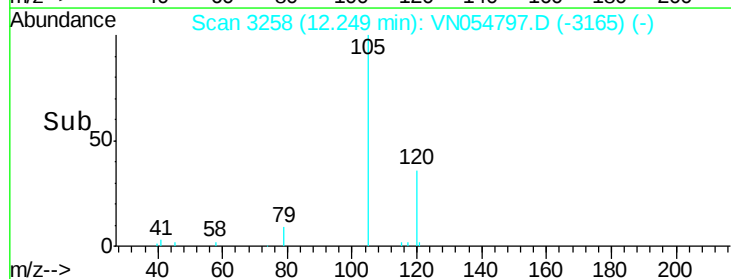
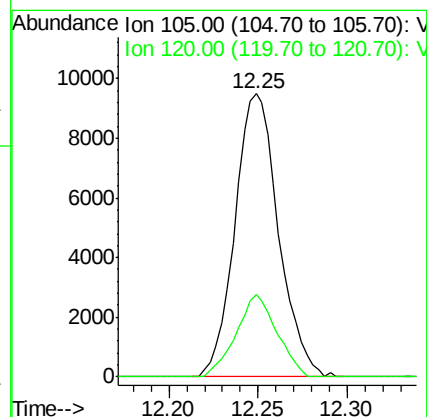
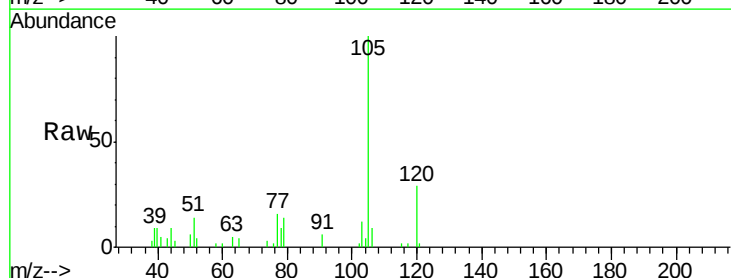
Acq: 30 Mar 2019 12:53

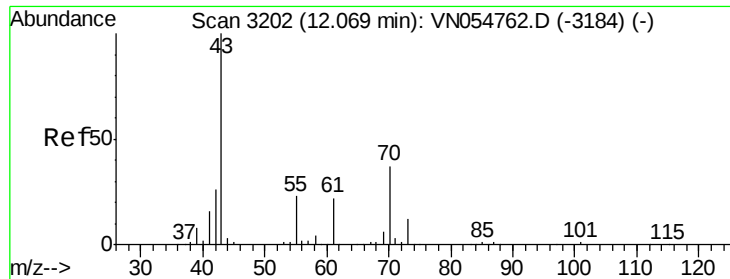
Tgt Ion:105 Resp: 16141

Ion Ratio Lower Upper

105 100

120 27.1 13.8 41.3





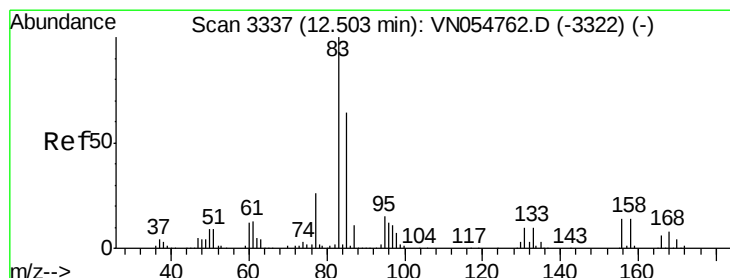
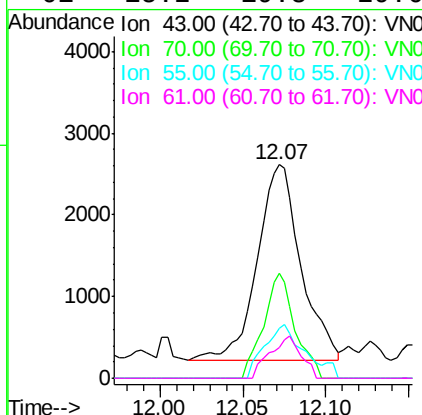
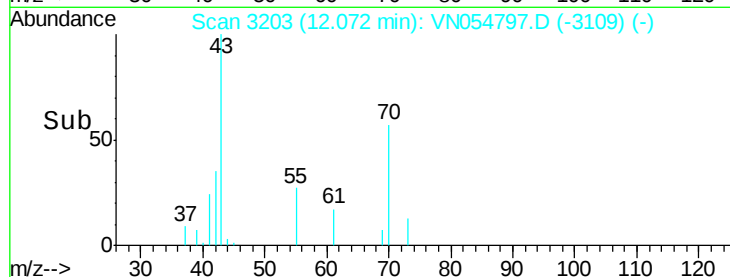
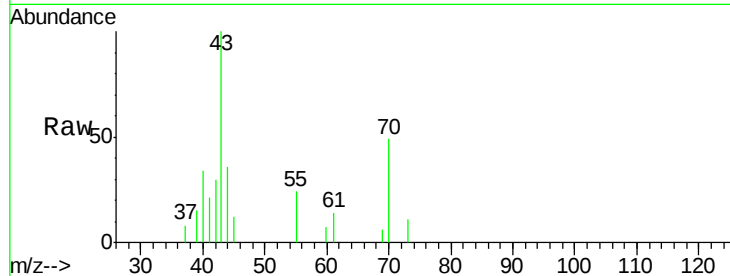
#74
N-amvl acetate
Concen: 0.894 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
43	100		
70	38.7	35.4	53.0
55	25.1	19.8	29.6
61	15.2	19.8	29.6

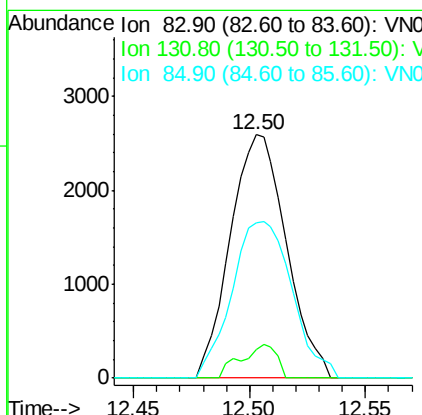
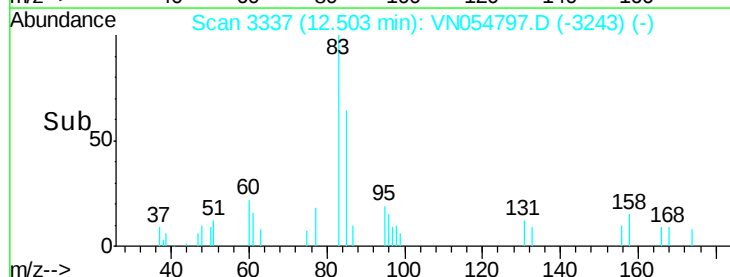
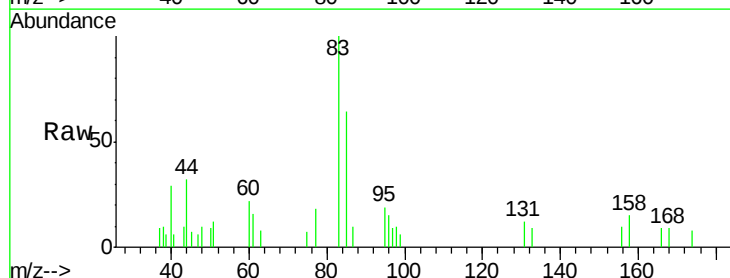
Manual Integrations
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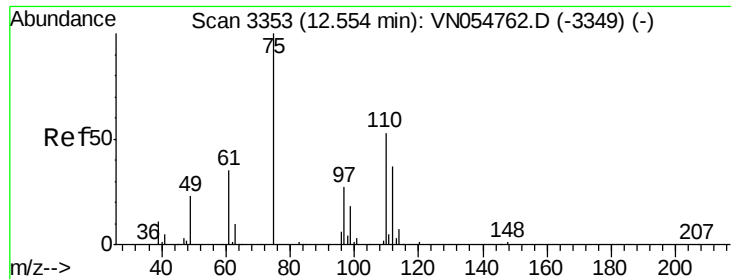
MMDadoda
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#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.50 min Scan# 3337
Delta R.T. 0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
83	100		
131	8.8	5.8	17.4
85	69.2	32.2	96.6





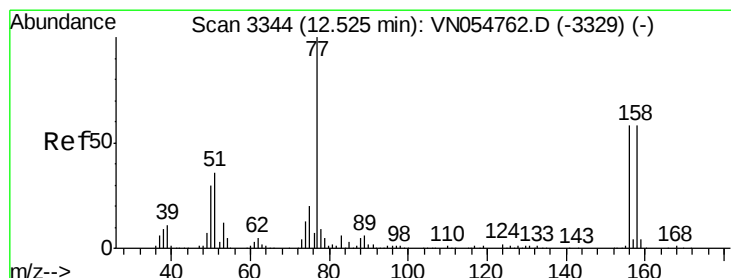
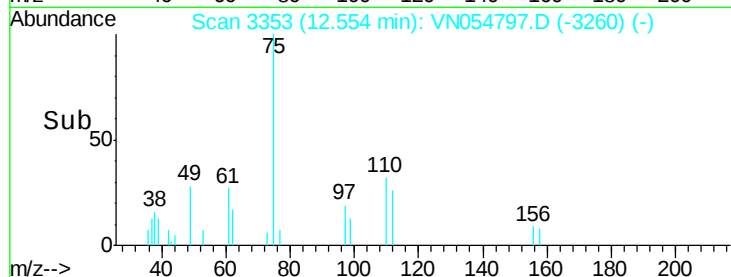
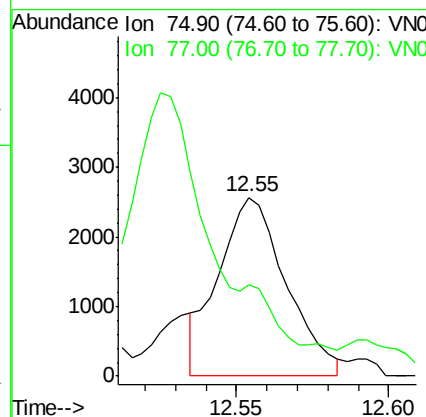
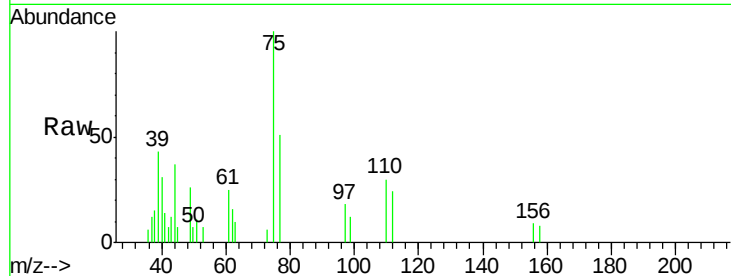
#76
 1,2,3-Trichloropropane
 Concen: 1.171 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tot Ion: 75 Resp: 3947
 Ion Ratio Lower Upper
 75 100
 77 40.8 0.0 0.0#

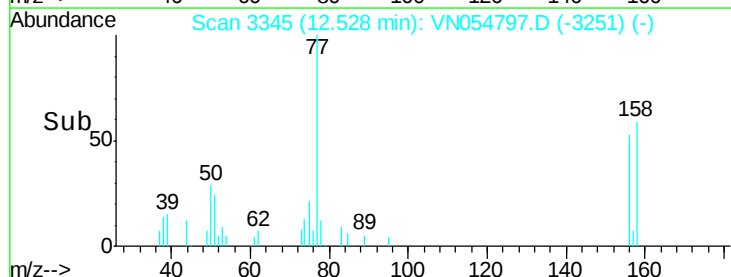
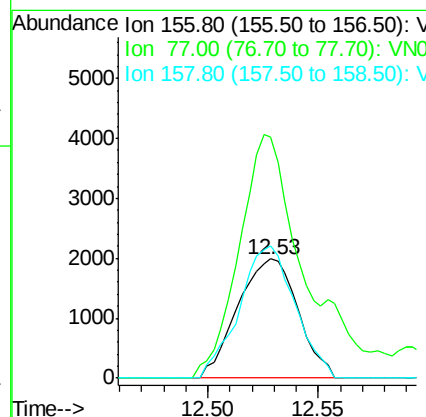
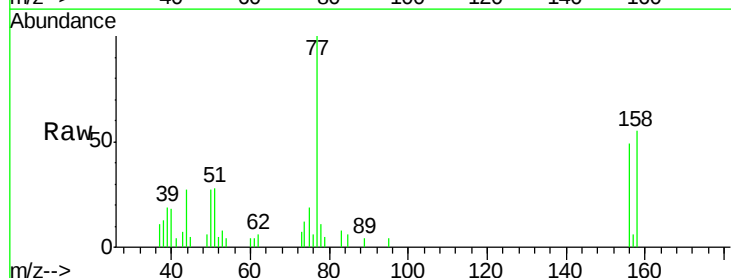
Manual Integrations
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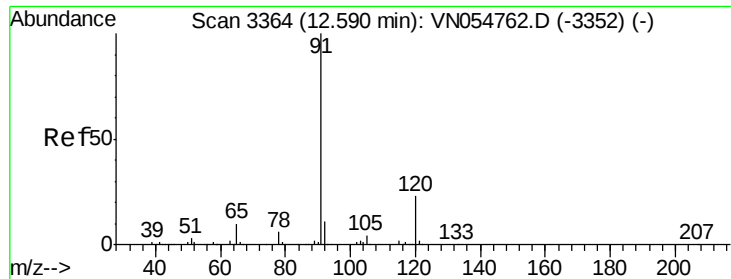
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 4/1/2019 1:32:48 PM



#77
 Bromobenzene
 Concen: 0.981 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

Tgt Ion: 156 Resp: 3753
 Ion Ratio Lower Upper
 156 100
 77 226.9 81.5 244.4
 158 103.1 49.0 147.2





#78

n-propylbenzene

Concen: 1.019 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 91 Resp: 17752

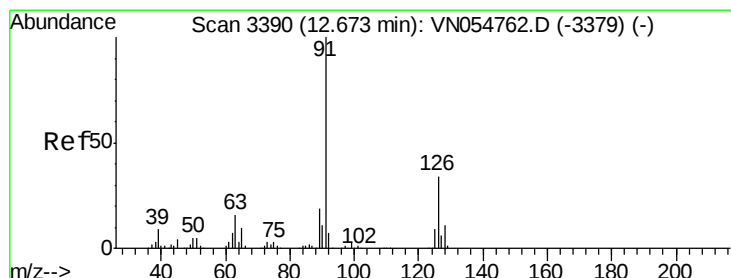
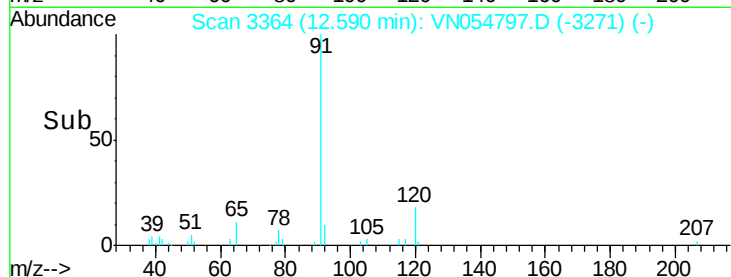
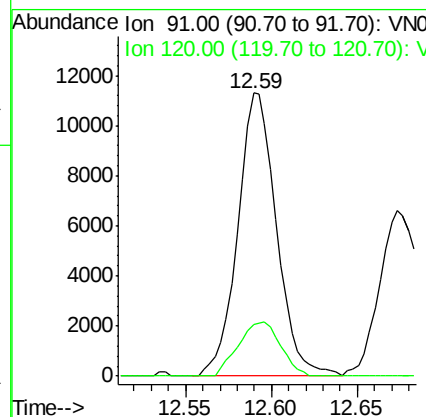
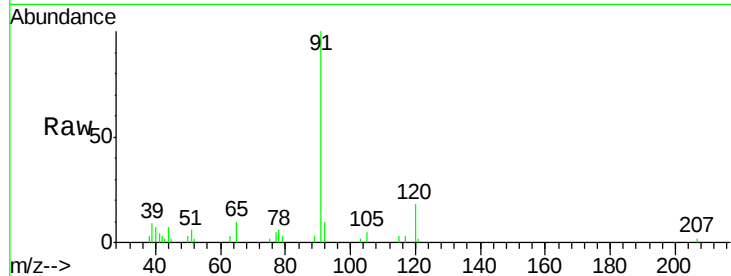
Ion Ratio Lower Upper

91 100

120 20.7 12.3 36.9

Manual Integrations
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4/1/2019 1:32:48 PM



#79

2-Chlorotoluene

Concen: 1.038 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054797.D

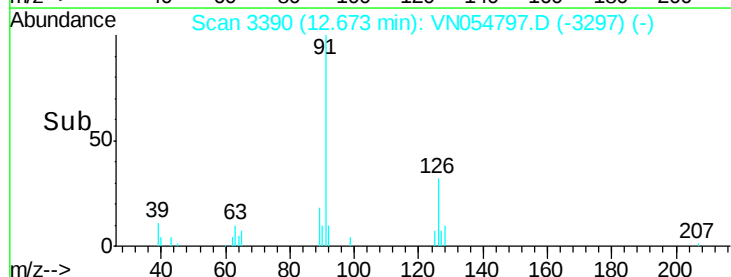
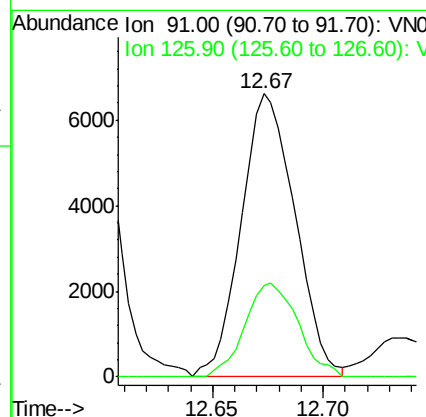
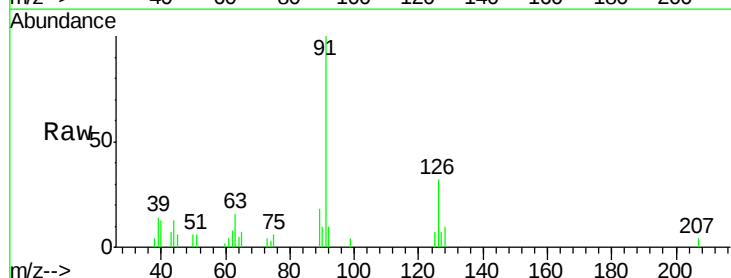
Acq: 30 Mar 2019 12:53

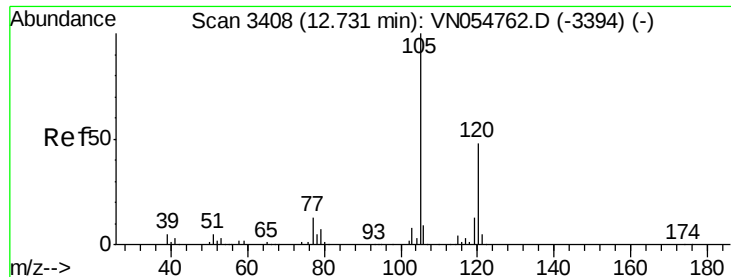
Tgt Ion: 91 Resp: 11196

Ion Ratio Lower Upper

91 100

126 32.7 18.7 56.1





#80

1,3,5-Trimethylbenzene

Concen: 0.963 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:105 Resp: 12525

Ion Ratio Lower Upper

105 100

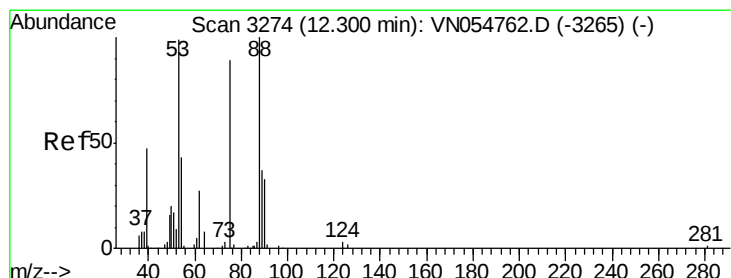
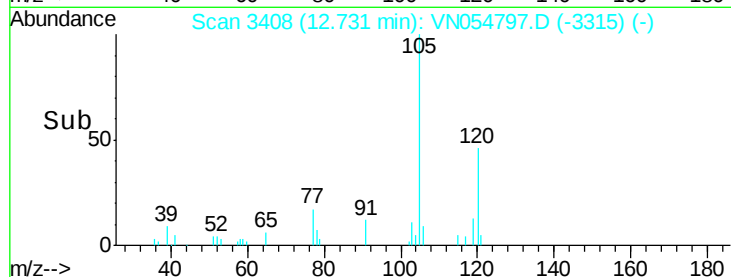
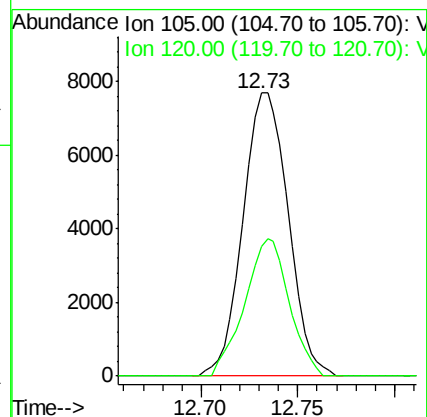
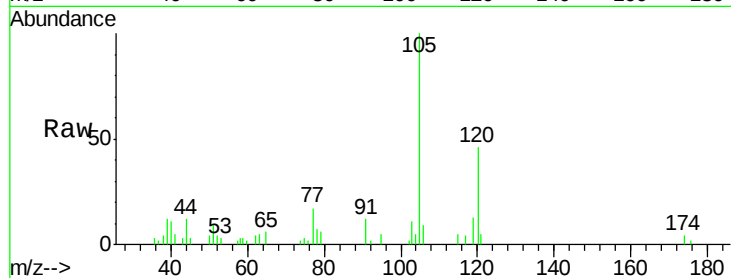
120 47.7 25.0 75.0

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#81

trans-1,4-Dichloro-2-butene

Concen: 0.668 ug/l m

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

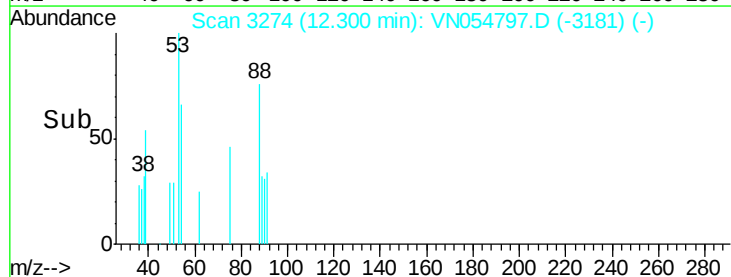
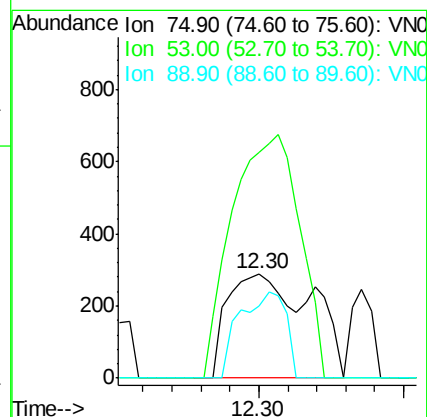
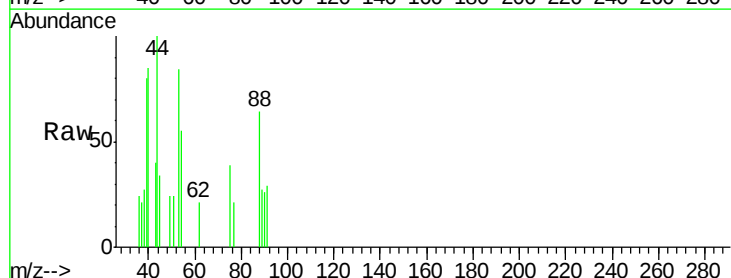
Tgt Ion: 75 Resp: 579

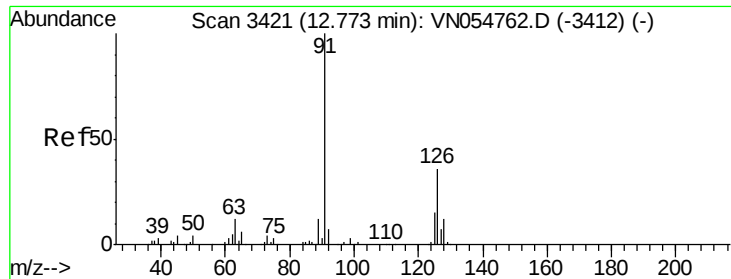
Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#





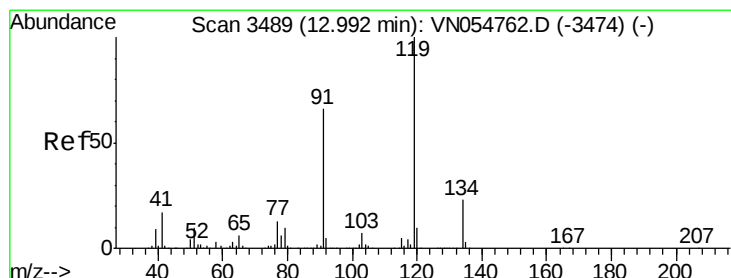
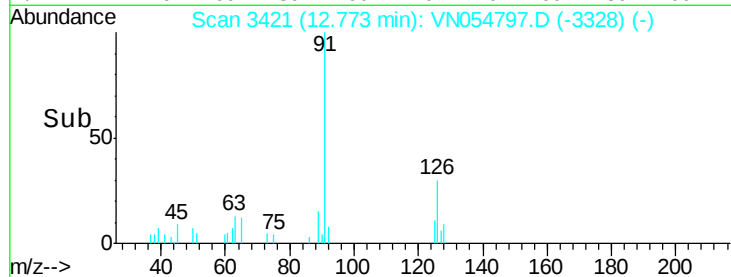
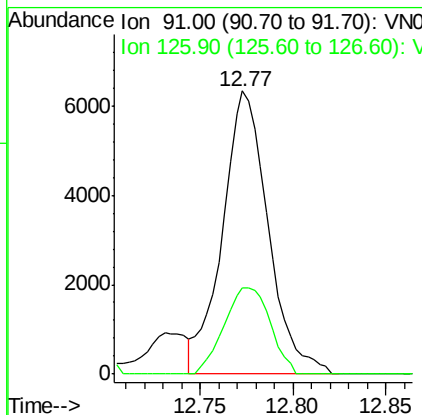
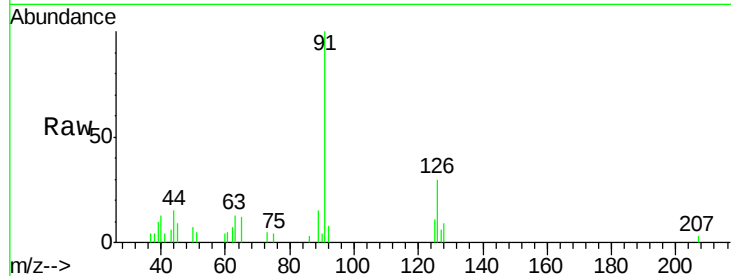
#82
4-Chlorotoluene
Concen: 1.036 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 91 Resp: 10848
Ion Ratio Lower Upper
91 100
126 30.7 18.1 54.1

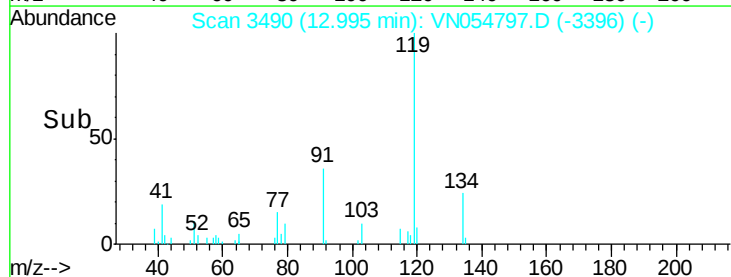
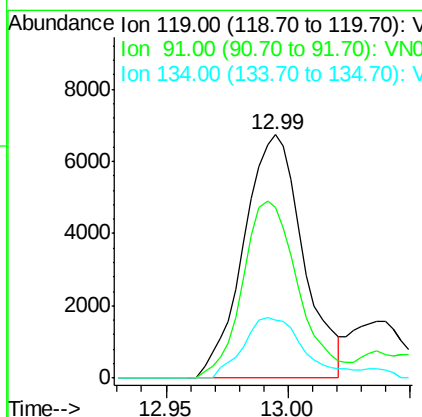
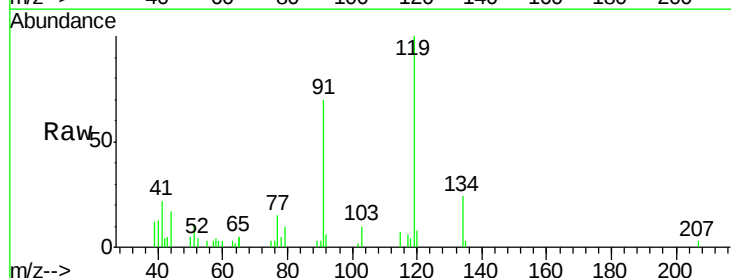
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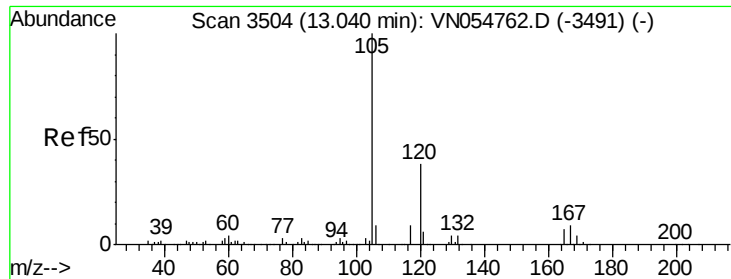
MMDadoda
4/1/2019 1:32:48 PM



#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tgt Ion: 119 Resp: 11391
Ion Ratio Lower Upper
119 100
91 68.2 30.9 92.8
134 25.2 13.2 39.6





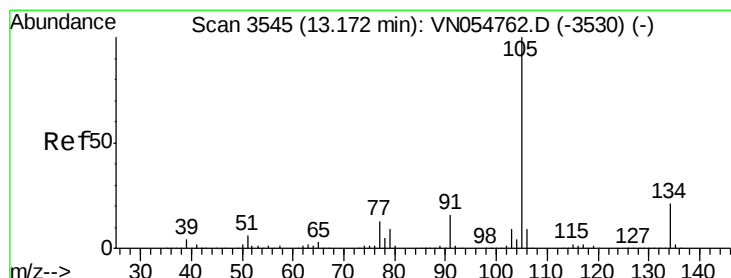
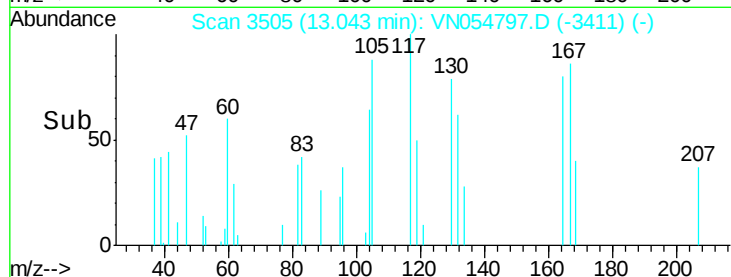
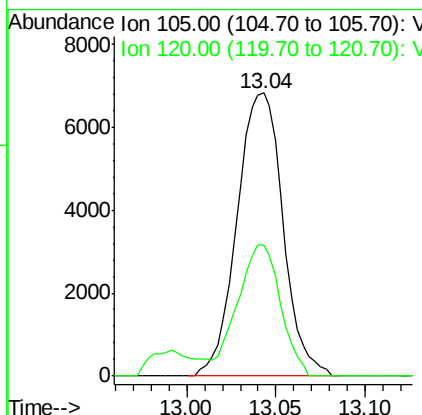
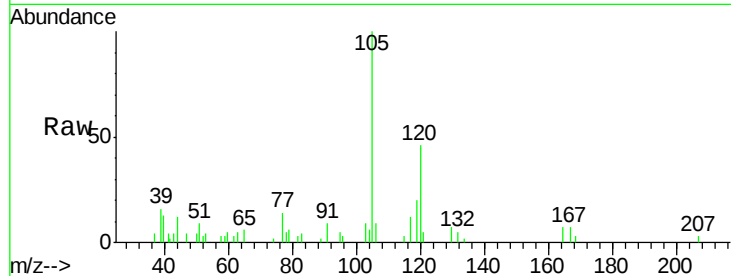
#84
1,2,4-Trimethylbenzene
Concen: 0.987 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion:105 Resp: 12238
Ion Ratio Lower Upper
105 100
120 43.3 23.4 70.3

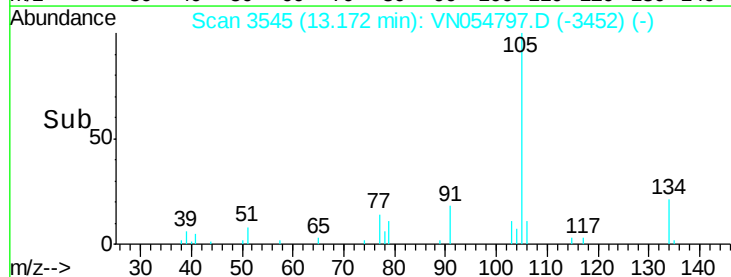
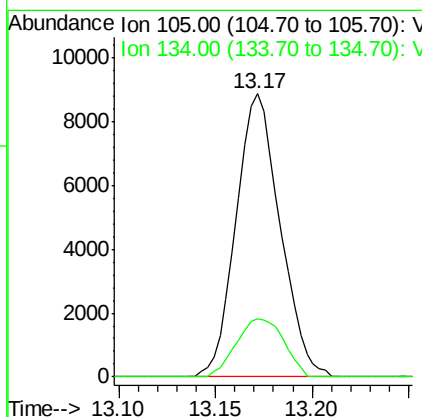
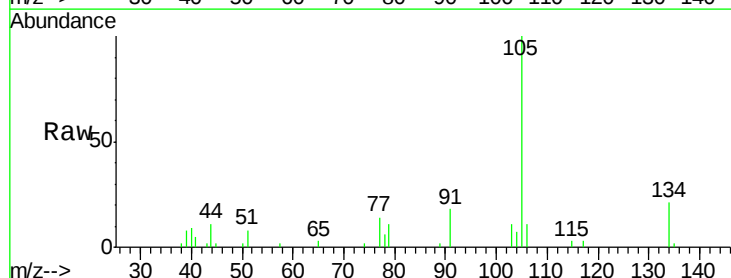
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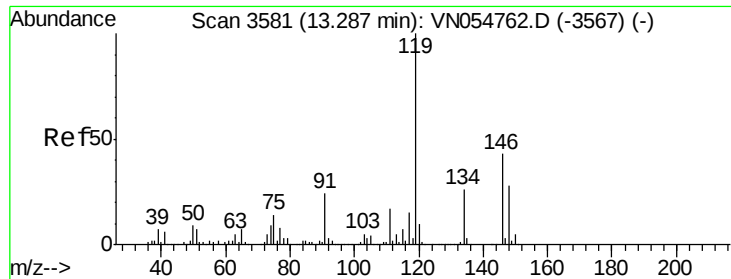
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4/1/2019 1:32:48 PM



#85
sec-Butylbenzene
Concen: 0.995 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. -0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tgt Ion:105 Resp: 14067
Ion Ratio Lower Upper
105 100
134 22.2 10.7 32.1





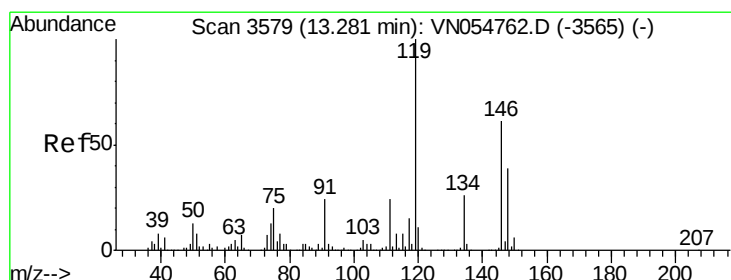
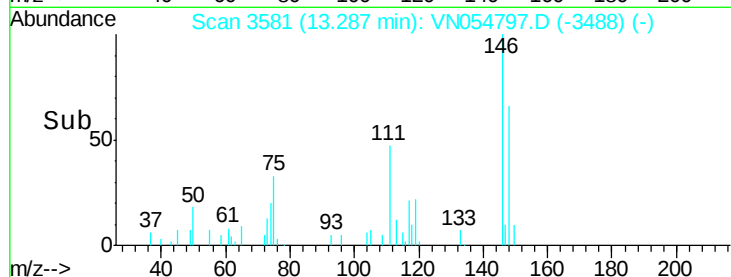
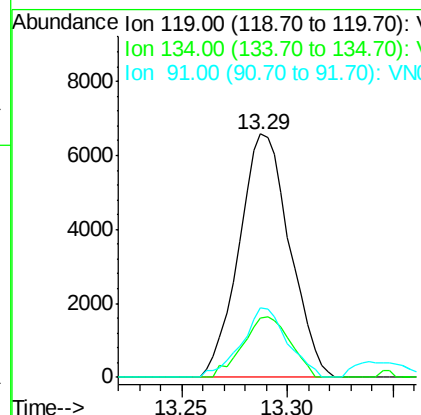
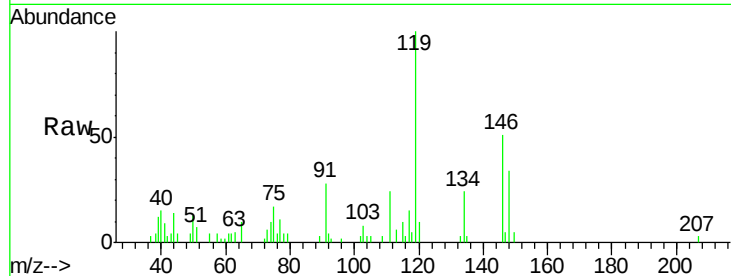
#86
 p-Isopropyltoluene
 Concen: 0.880 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Resp	Lower	Upper
119	100	10966		
134	23.2		13.6	40.8
91	26.0		11.1	33.3

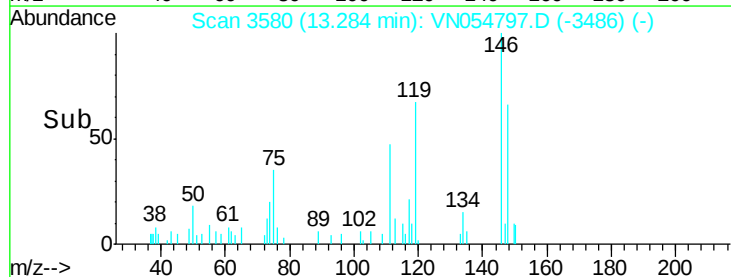
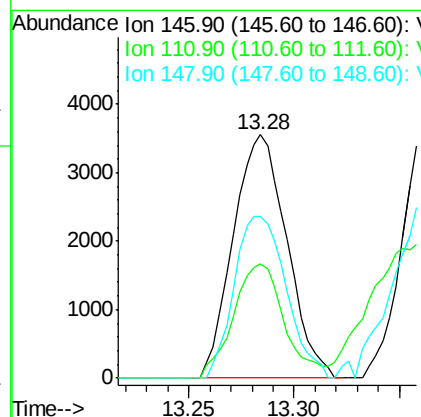
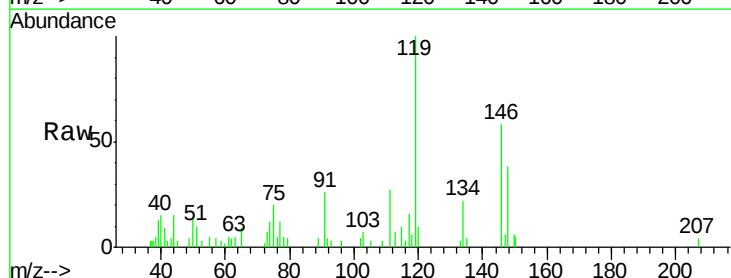
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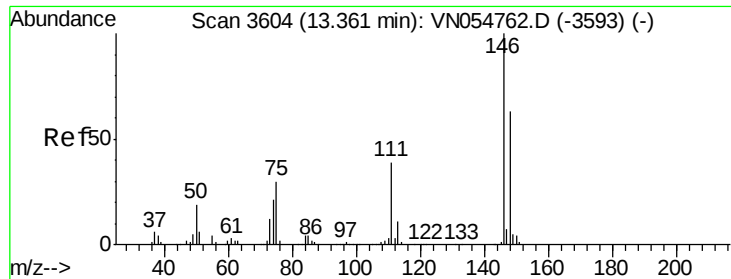
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#87
 1,3-Dichlorobenzene
 Concen: 0.977 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	6260		
111	44.2		18.8	56.3
148	64.4		32.2	96.6





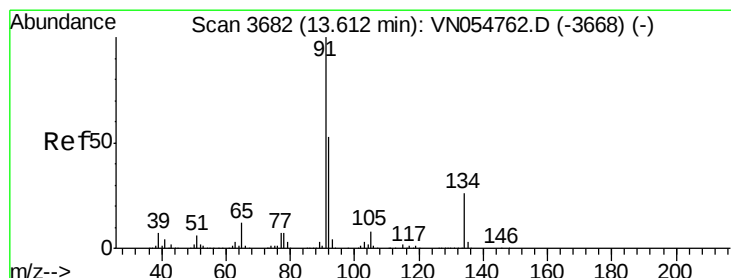
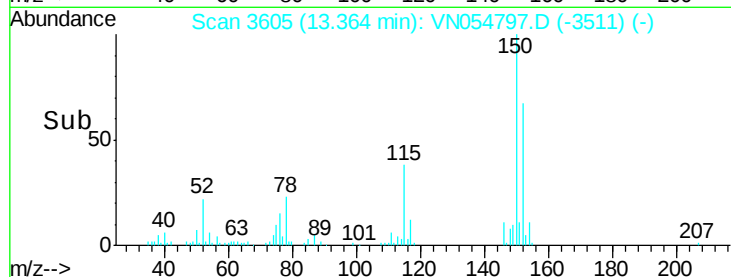
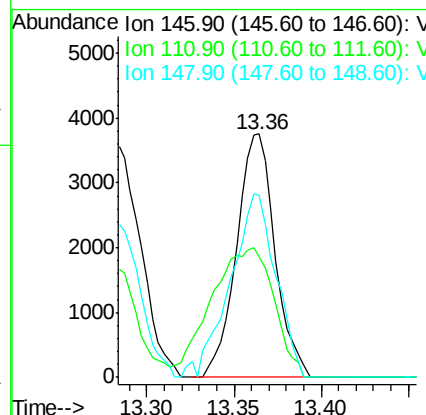
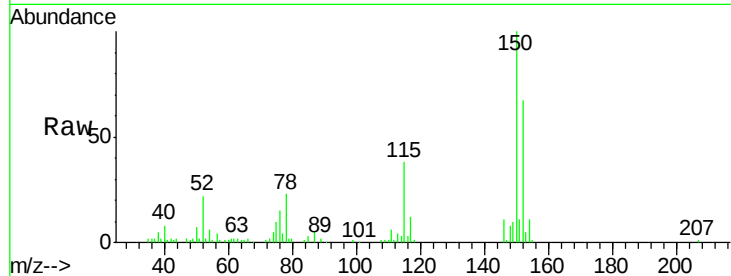
#88
 1,4-Dichlorobenzene
 Concen: 0.912 ug/l m
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.3	18.1	54.1
148	70.4	32.0	96.0

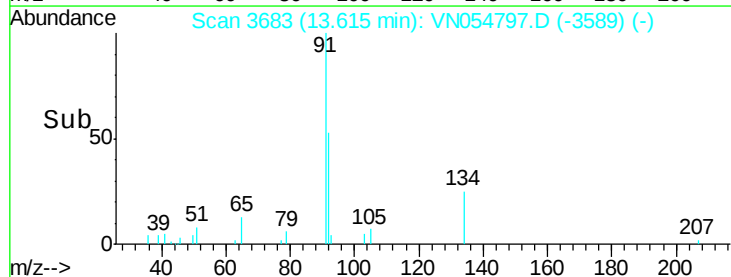
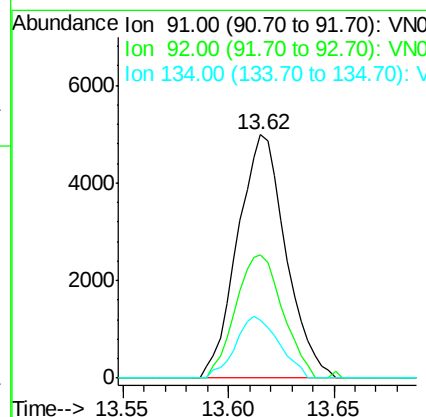
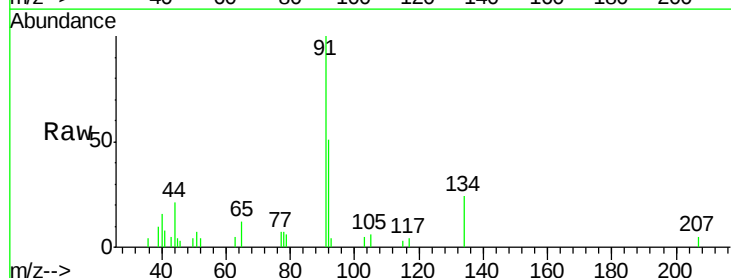
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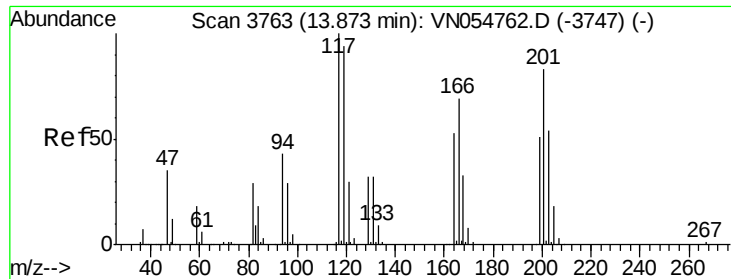
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#89
 n-Butylbenzene
 Concen: 0.781 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.2	26.2	78.6
134	22.8	14.3	42.9





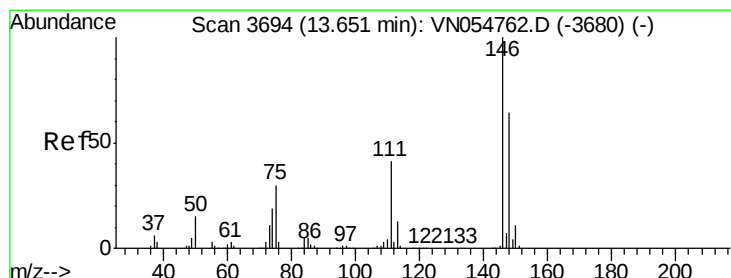
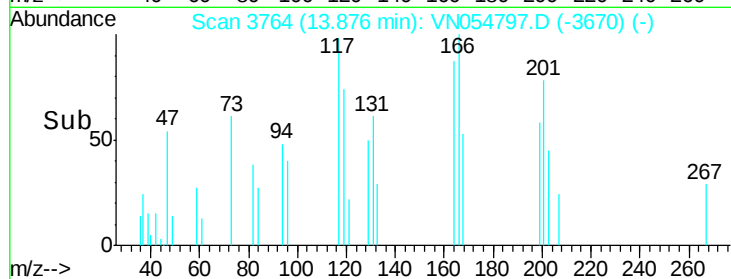
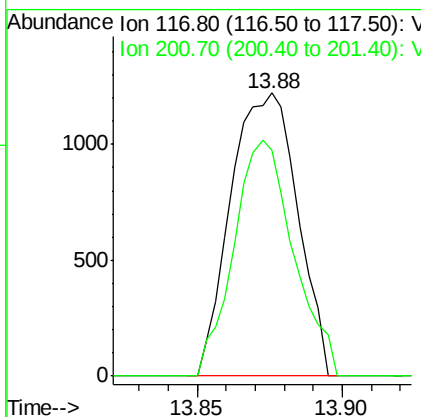
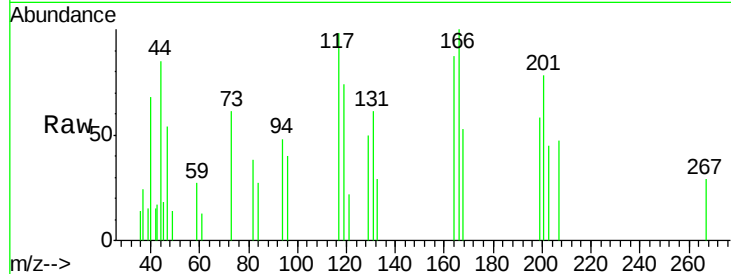
#90
Hexachloroethane
Concen: 0.922 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion:117 Resp: 1951
Ion Ratio Lower Upper
117 100
201 74.9 48.1 144.4

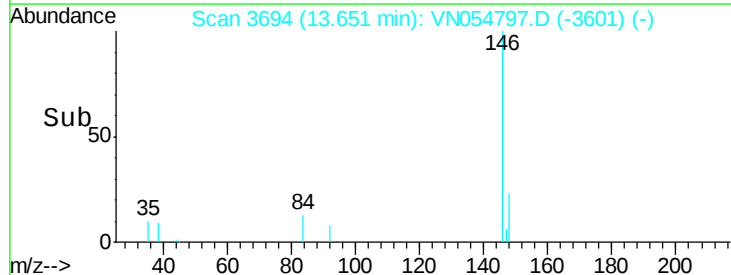
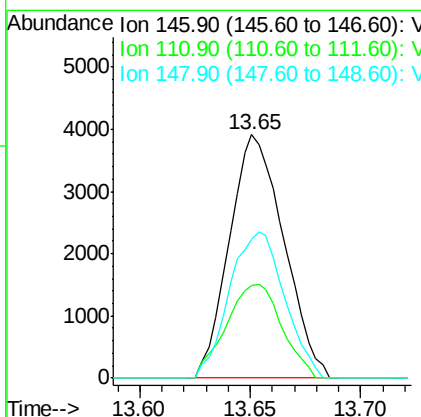
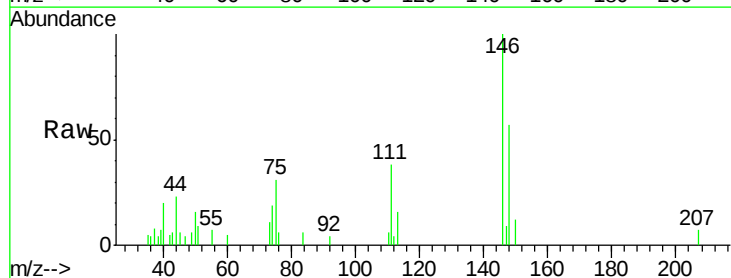
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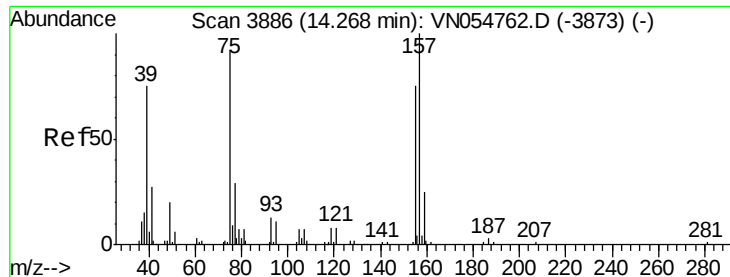
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#91
1,2-Dichlorobenzene
Concen: 1.034 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. -0.00 min
Lab File: VN054797.D
Acq: 30 Mar 2019 12:53

Tgt Ion:146 Resp: 6683
Ion Ratio Lower Upper
146 100
111 39.3 19.1 57.3
148 60.8 32.4 97.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.769 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.01 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

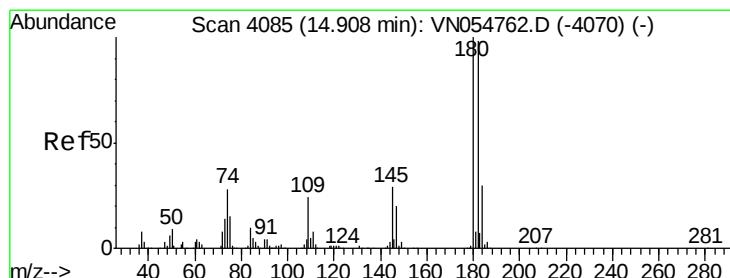
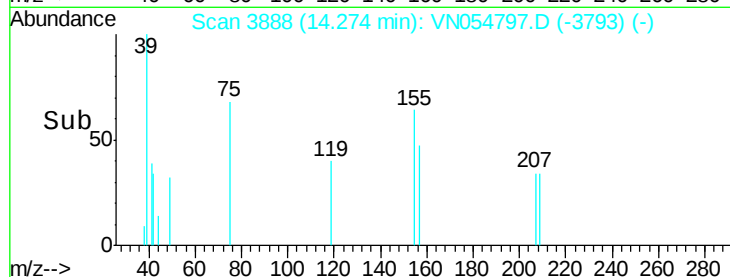
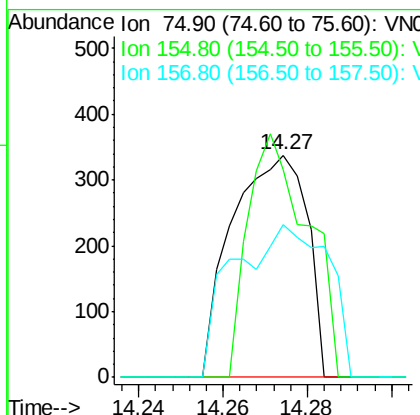
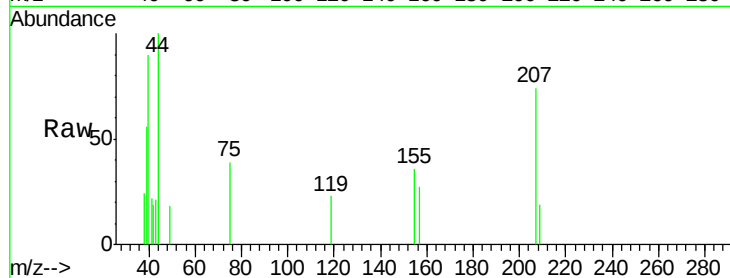
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	75	Resp:	417
Ion	Ratio	Lower	Upper
75	100		
155	87.3	50.1	150.3
157	86.8	63.1	189.3

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#93

1,2,4-Trichlorobenzene

Concen: 0.752 ug/l

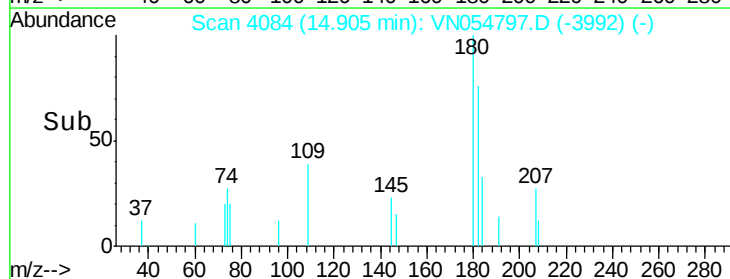
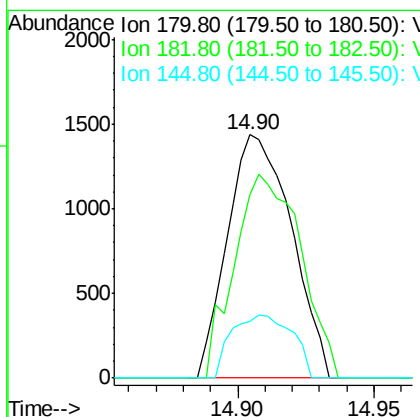
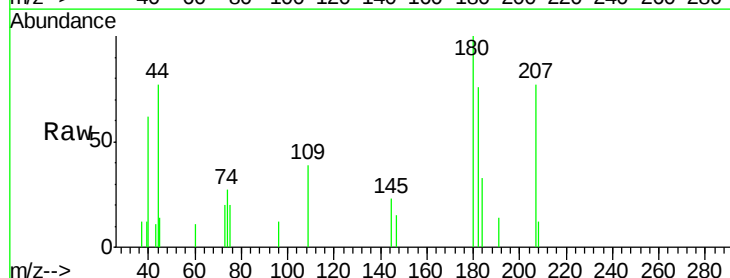
RT: 14.90 min Scan# 4084

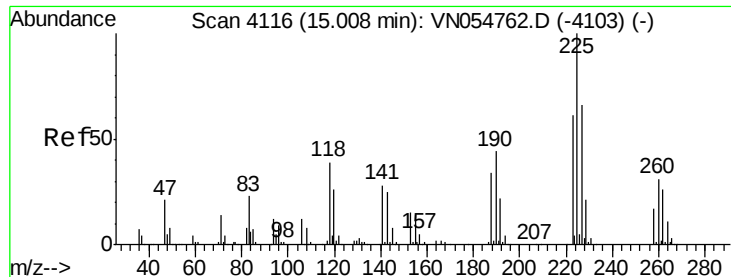
Delta R.T. -0.00 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Tgt Ion:	180	Resp:	2343
Ion	Ratio	Lower	Upper
180	100		
182	86.8	48.0	144.2
145	24.6	14.2	42.8





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4118

Delta R.T. 0.01 min

Lab File: VN054797.D

Acq: 30 Mar 2019 12:53

Instrument :

MSVOA_N

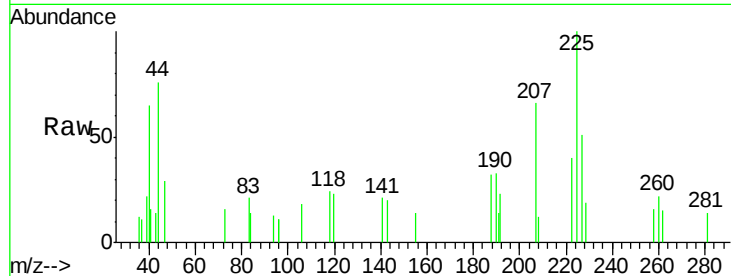
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

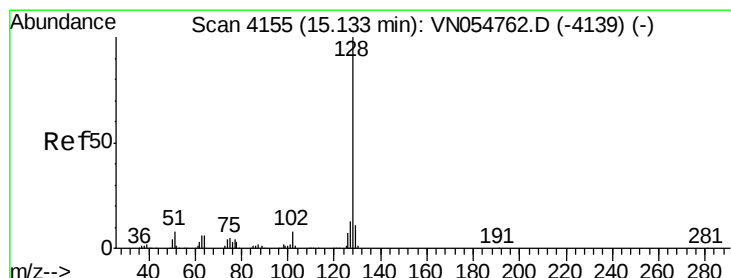
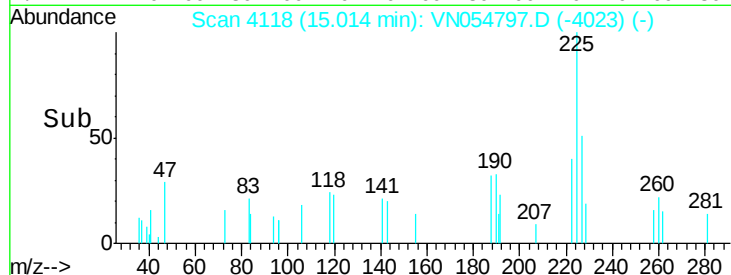
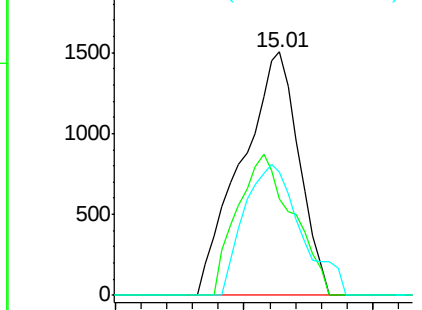
Tot Ion:	225	Resp:	2337
Ion Ratio	Lower	Upper	
225	100		
223	56.1	31.1	93.5
227	53.4	31.9	95.9

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



#95

Naphthalene

Concen: 0.838 ug/l

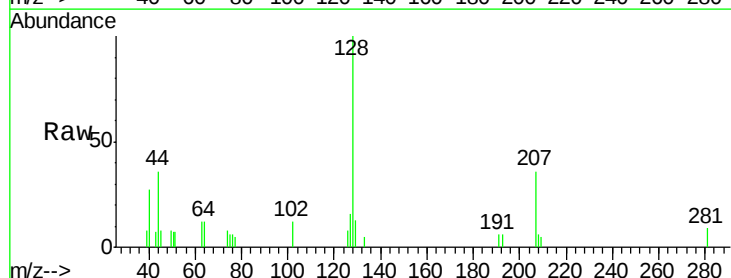
RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

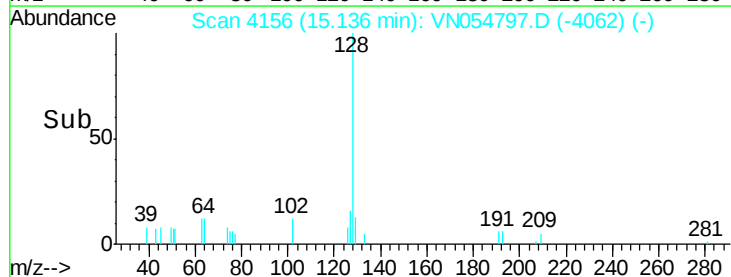
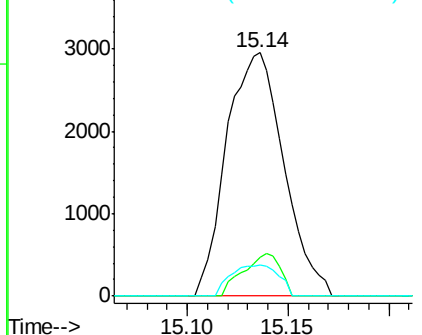
Lab File: VN054797.D

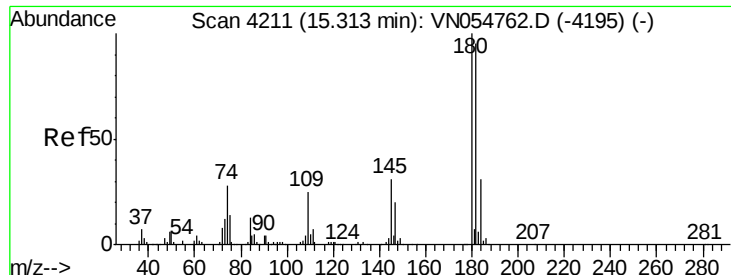
Acq: 30 Mar 2019 12:53

Tgt Ion:	128	Resp:	5862
Ion Ratio	Lower	Upper	
128	100		
127	11.4	10.1	15.1
129	10.6	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





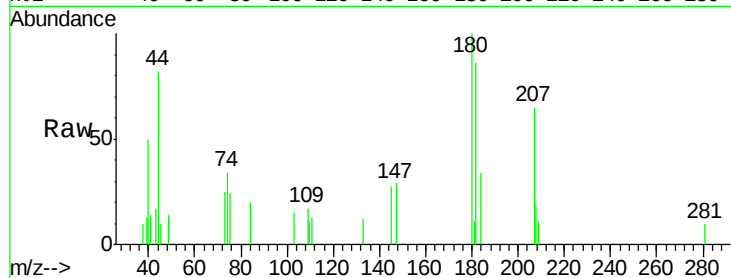
#96
 1,2,3-Trichlorobenzene
 Concen: 0.830 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN054797.D
 Acq: 30 Mar 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tot Ion:	180	Resp:	2612
Ion Ratio	Lower	Upper	
180	100		
182	90.4	47.5	142.6
145	37.4	14.8	44.3

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 1:32:48 PM



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

