

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
 Data File : VN054024.D
 Acq On : 1 Mar 2019 12:51
 Operator : JC/SP
 Sample : K1560-07 LOD MDL 2.5ppb
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 10:23:39 AM

Quant Time: Mar 06 10:14:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 05 00:48:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	114544	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	612364	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	513168	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	244206	30.36	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.20%
60) 4-Bromofluorobenzene	12.40	95	208833	26.59	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.63%
63) Toluene-d8	10.09	98	751423	30.43	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.43%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	17404	2.687 ug/l	96
3) Chloromethane	2.06	50	23939	2.779 ug/l	92
4) Vinyl Chloride	2.19	62	23370	2.709 ug/l	96
5) Bromomethane	2.57	94	16411	3.092 ug/l	98
6) Chloroethane	2.71	64	14005	2.757 ug/l	97
7) Trichlorofluoromethane	3.02	101	29295	2.795 ug/l	92
8) Diethyl Ether	3.41	74	9876	2.505 ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.77	101	18399	2.730 ug/l	89
10) 1,1-Dichloroethene	3.74	96	15881	2.515 ug/l	91
11) Methyl Iodide	3.96	142	19646	2.098 ug/l	97
12) Methyl Acetate	4.33	43	15755	2.960 ug/l	91
13) Acrolein	3.61	56	8213	36.214 ug/l	94
14) Acrylonitrile	4.99	53	28584	11.174 ug/l	92
15) Acetone	3.82	58	9343	12.673 ug/l	99
16) Carbon Disulfide	4.06	76	54706	2.671 ug/l	99
17) Allyl chloride	4.33	41	25711	2.303 ug/l	97
18) Methylene Chloride	4.55	84	21582	2.960 ug/l	91
19) trans-1,2-Dichloroethene	5.05	96	18377	2.683 ug/l	86
20) Diisopropyl ether	5.96	45	50290	2.251 ug/l	94
21) 1,1-Dichloroethane	5.85	63	34706	2.631 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	19588	2.569 ug/l	98
23) tert-Butyl Alcohol	4.76	59	6079m	13.267 ug/l	
24) Methyl tert-Butyl Ether	5.04	73	40065	2.344 ug/l #	79
25) Chloroform	7.37	83	33850	2.659 ug/l	99
26) Cyclohexane	7.65	56	29161	2.429 ug/l #	97
29) 1,1-Dichloropropene	7.79	75	22616	2.358 ug/l	98
30) 2-Butanone	6.84	43	34532	11.402 ug/l #	81
31) 2,2-Dichloropropane	6.83	77	25085	2.652 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	27330	2.649 ug/l	99
33) Carbon Tetrachloride	7.77	117	23783	2.604 ug/l	98
34) Benzene	8.04	78	74124	2.600 ug/l #	23
35) Methacrylonitrile	7.18	41	6984m	2.062 ug/l	
36) 1,2-Dichloroethane	8.12	62	25837	2.823 ug/l	96
37) Trichloroethene	8.84	130	19895	2.674 ug/l	93
38) Methylcyclohexane	9.08	83	27461	2.426 ug/l	95
39) 1,2-Dichloropropane	9.12	63	19929	2.552 ug/l	97
40) Dibromomethane	9.21	93	11261	2.515 ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	24350	2.563	ug/l	100
42) Vinyl Acetate	5.90	43	173092	11.063	ug/l	100
43) Ethyl Acetate	6.94	43	16423m	2.589	ug/l	
44) Isopropyl Acetate	8.17	43	30688m	2.757	ug/l	
45) 1,4-Dioxane	9.20	88	2772	45.516	ug/l #	85
46) Methyl methacrylate	9.20	41	11305m	2.114	ug/l	
47) n-amyl Acetate	12.07	43	14275	1.746	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	21975	2.307	ug/l	96
49) cis-1,3-Dichloropropene	9.84	75	24969	2.233	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	15636	2.490	ug/l	96
51) Ethyl methacrylate	10.43	69	15551	2.057	ug/l	97
52) 1,3-Dichloropropane	10.71	76	28316	2.627	ug/l	96
53) Dibromochloromethane	10.90	129	16360	2.371	ug/l	94
54) 1,2-Dibromoethane	11.01	107	14199	2.374	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	31569	8.998	ug/l	99
56) Bromoform	12.13	173	10454	2.282	ug/l #	96
58) 4-Methyl-2-Pentanone	9.99	43	65074	11.254	ug/l	99
59) 2-Hexanone	10.75	43	40691	10.771	ug/l	97
61) Tetrachloroethene	10.63	164	18619	2.610	ug/l	96
62) Toluene	10.16	91	77237	2.693	ug/l	96
64) Chlorobenzene	11.44	112	44083	2.524	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	16801	2.620	ug/l	99
66) Ethyl Benzene	11.51	91	72525	2.419	ug/l	98
67) m/p-Xylenes	11.62	106	53065	4.702	ug/l	99
68) o-Xylene	11.95	106	25836	2.361	ug/l	99
69) Styrene	11.96	104	35976	2.077	ug/l	98
70) Isopropylbenzene	12.25	105	68569	2.388	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	18030	2.544	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	14940m	2.776	ug/l	
73) Bromobenzene	12.53	156	17382	2.401	ug/l	99
74) n-propylbenzene	12.59	91	76360	2.233	ug/l	99
75) 2-Chlorotoluene	12.67	91	49216	2.458	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	54157	2.226	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	3714	1.939	ug/l	94
78) 4-Chlorotoluene	12.77	91	43405	2.166	ug/l	98
79) tert-butylbenzene	12.99	119	51301	2.407	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	50075	2.068	ug/l	100
81) sec-Butylbenzene	13.17	105	64674	2.212	ug/l	100
82) p-Isopropyltoluene	13.29	119	52427	2.100	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	26192	2.051	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	25112	2.060	ug/l	96
85) n-Butylbenzene	13.62	91	37631	1.730	ug/l	95
86) Hexachloroethane	13.88	117	11965	2.564	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	26582	2.146	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	2282	2.225	ug/l #	76
89) 1,2,4-Trichlorobenzene	14.91	180	7031	1.117	ug/l	95
90) Hexachlorobutadiene	15.01	225	10827	2.368	ug/l	99
91) Naphthalene	15.13	128	14415	1.142	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	8931	1.437	ug/l	92

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LOD-MDL-WATER-01-QT1-2019

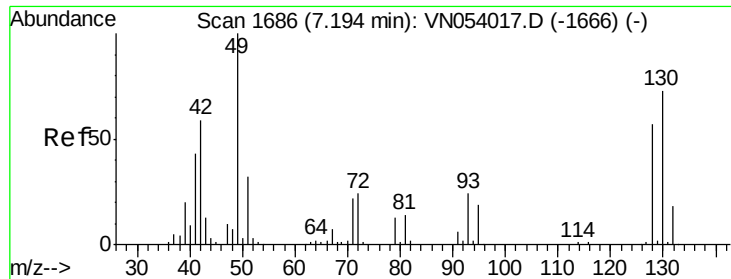
Manual Integrations
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3/6/2019 10:23:39 AM

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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



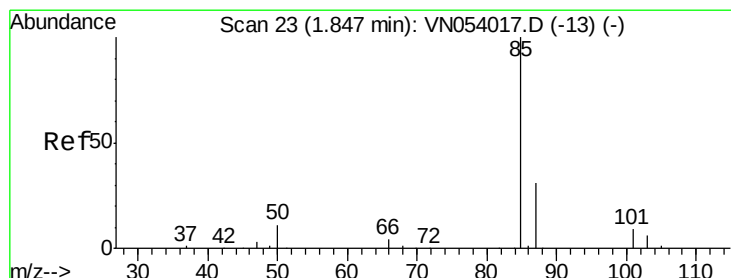
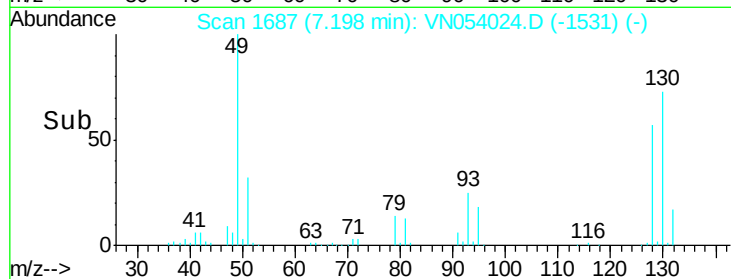
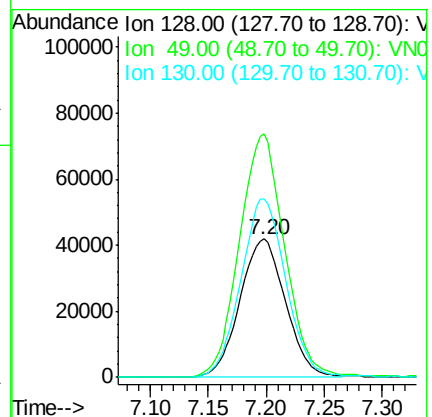
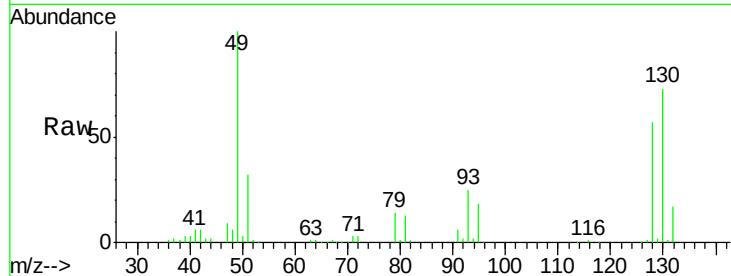
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

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

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
49	174.5	0.0	431.8	
130	127.5	0.0	317.0	

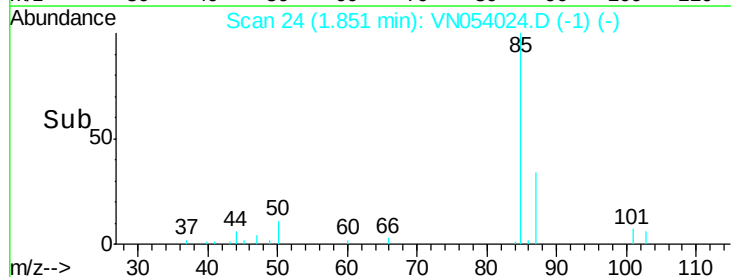
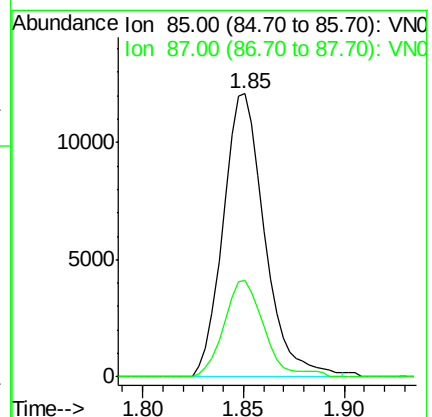
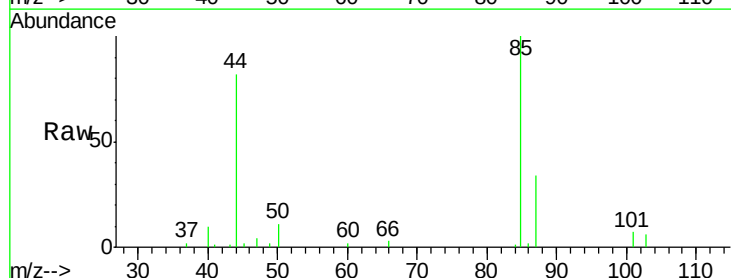
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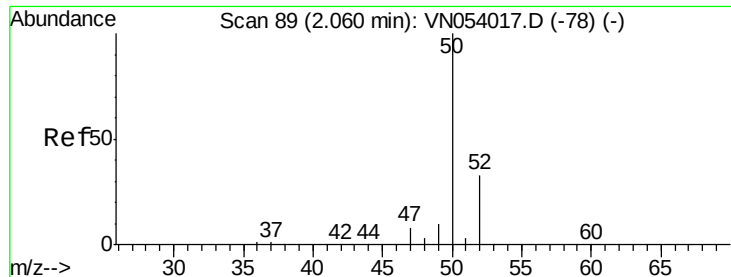
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#2
Dichlorodifluoromethane
Concen: 2.687 ug/l
RT: 1.85 min Scan# 24
Delta R.T. 0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
85	100			
87	34.2	16.1	48.3	





#3

Chloromethane

Concen: 2.779 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 50 Resp: 23939

Ion Ratio Lower Upper

50 100

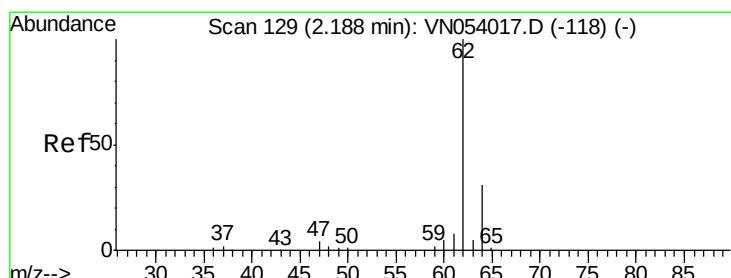
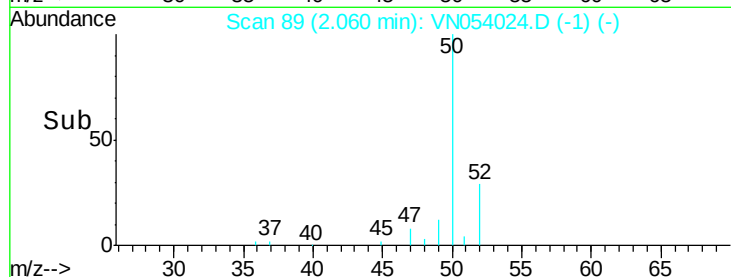
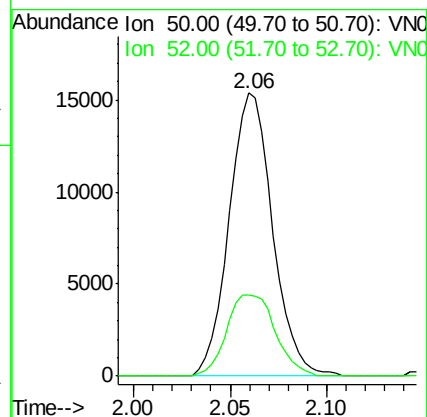
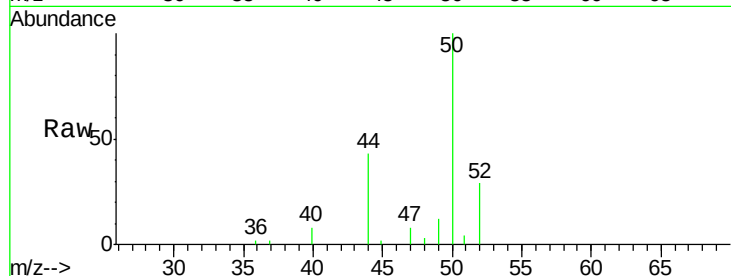
52 28.7 26.5 39.7

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#4

Vinyl Chloride

Concen: 2.709 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054024.D

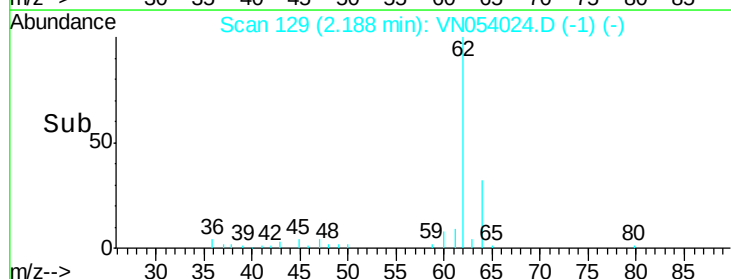
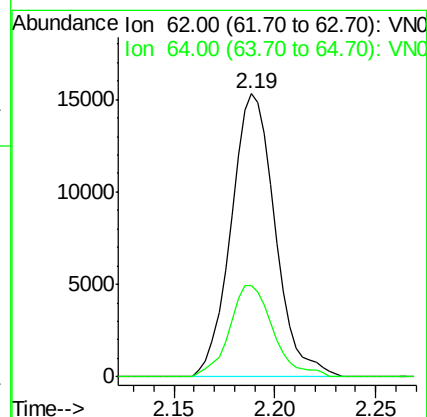
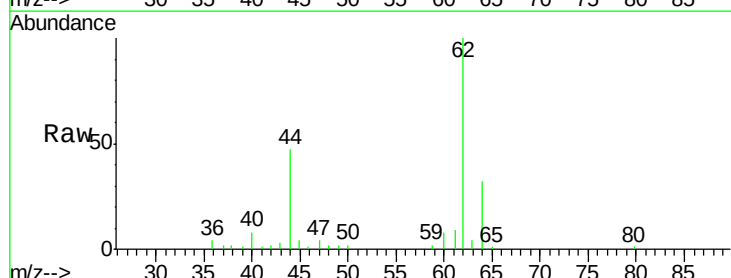
Acq: 1 Mar 2019 12:51

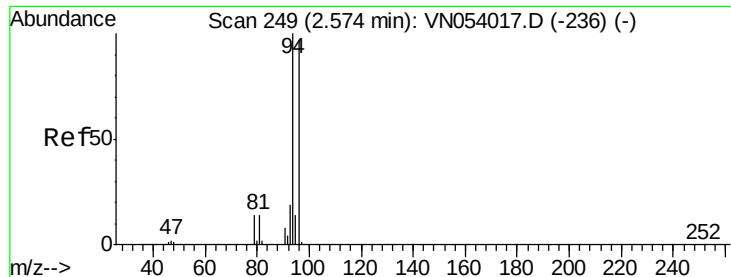
Tgt Ion: 62 Resp: 23370

Ion Ratio Lower Upper

62 100

64 32.4 24.2 36.4





#5

Bromomethane

Concen: 3.092 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 94 Resp: 16411

Ion Ratio Lower Upper

94 100

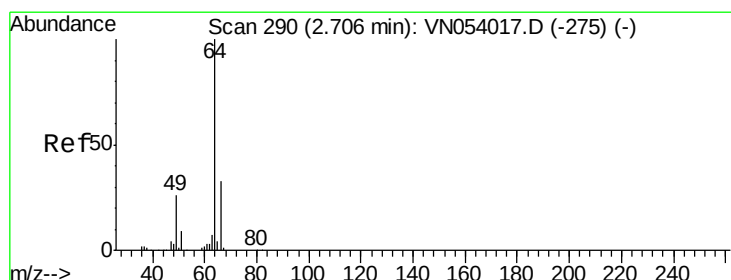
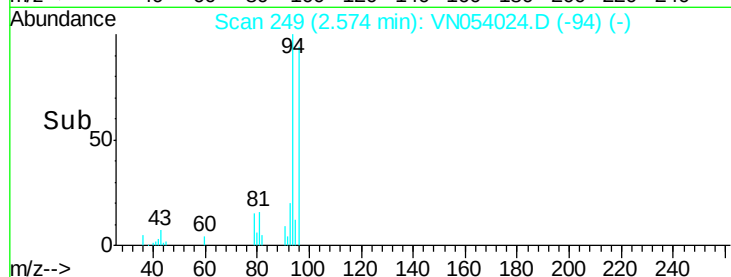
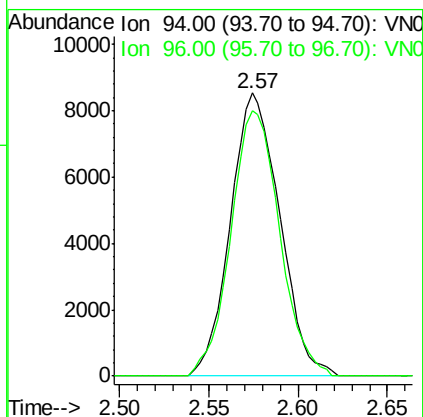
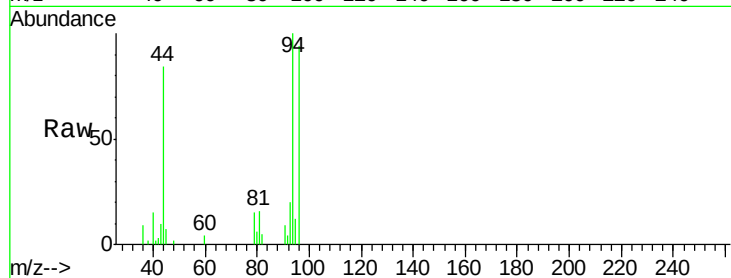
96 93.6 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 2.757 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054024.D

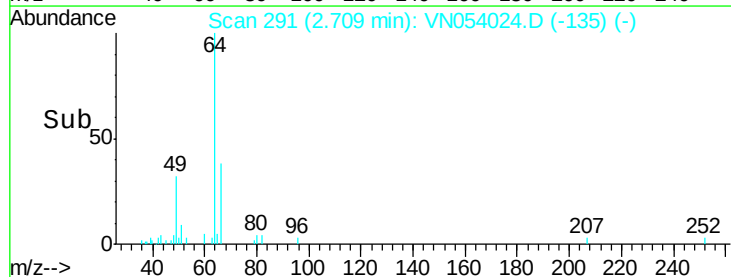
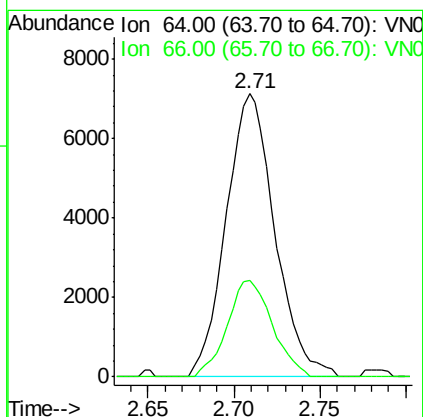
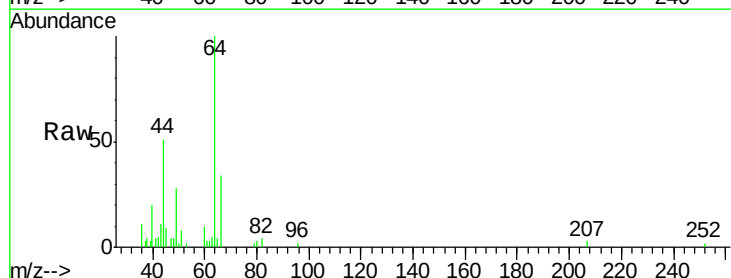
Acq: 1 Mar 2019 12:51

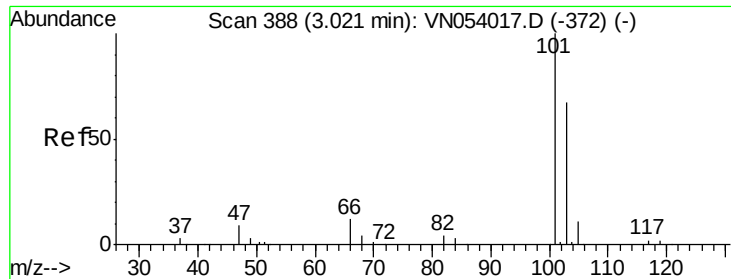
Tgt Ion: 64 Resp: 14005

Ion Ratio Lower Upper

64 100

66 33.9 25.6 38.4





#7

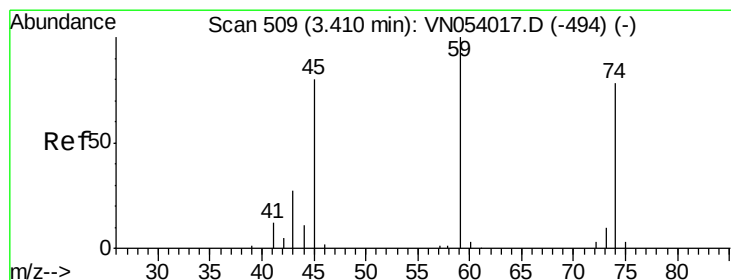
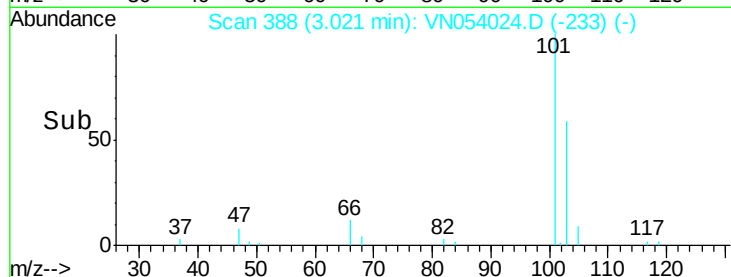
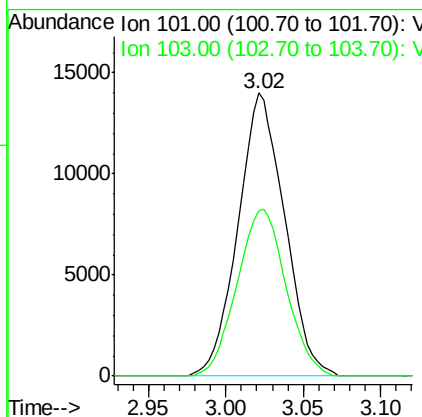
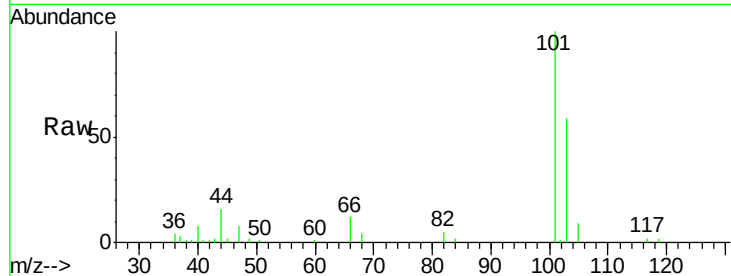
Trichlorofluoromethane
 Concen: 2.795 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054024.D
 Acq: 1 Mar 2019 12:51

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

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.6	52.1	78.1

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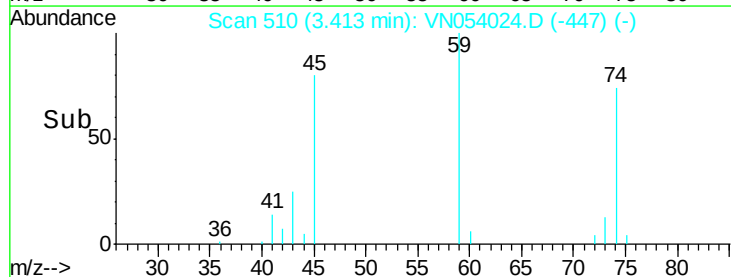
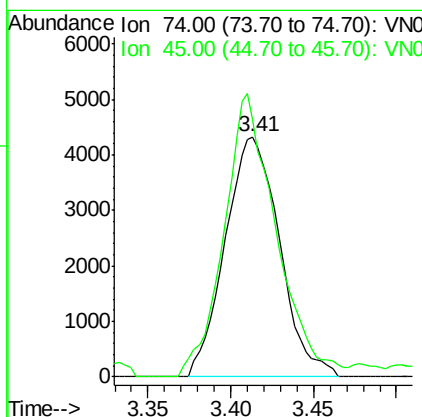
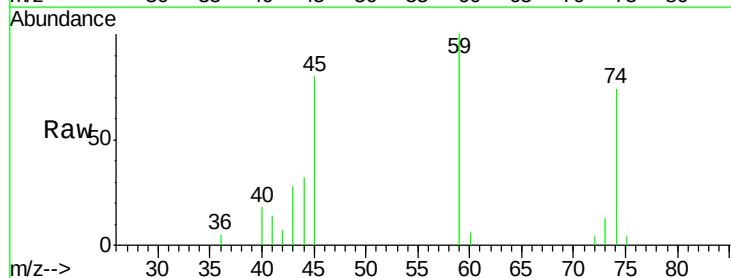
MMDadoda
 3/6/2019 10:23:39 AM

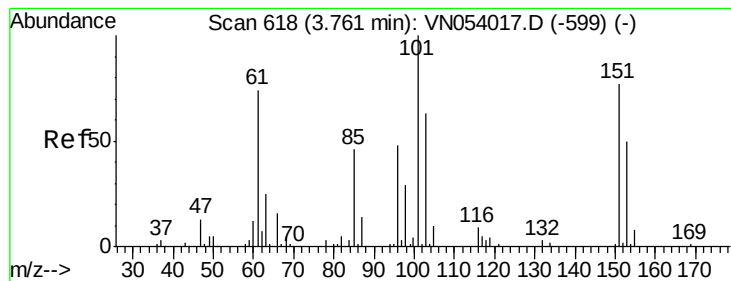


#8

Diethyl Ether
 Concen: 2.505 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054024.D
 Acq: 1 Mar 2019 12:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.9	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.730 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.01 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Instrument :

MSVOA_N

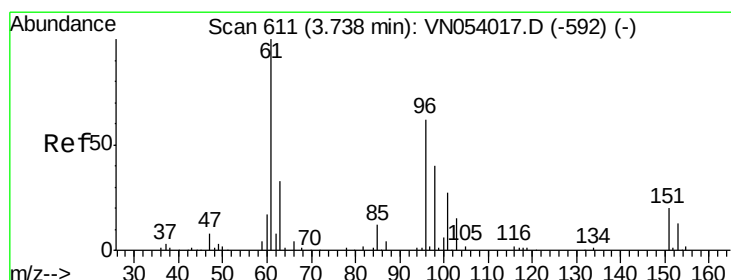
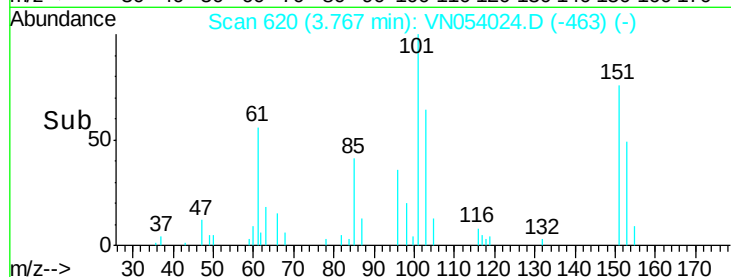
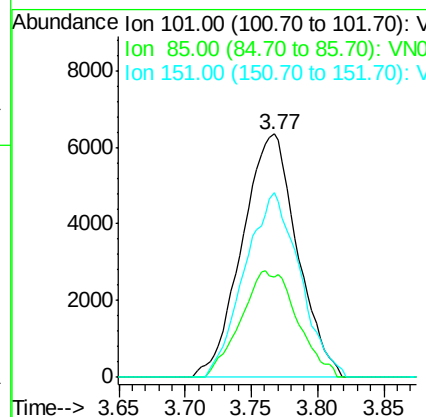
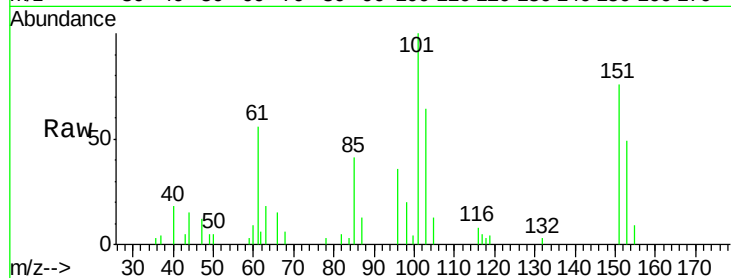
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	101	Resp:	18399
Ion Ratio	Lower	Upper	
101	100		
85	26.5	0.0	82.6
151	75.9	0.0	158.4

Manual Integrations
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3/6/2019 10:23:39 AM



#10

1,1-Dichloroethene

Concen: 2.515 ug/l

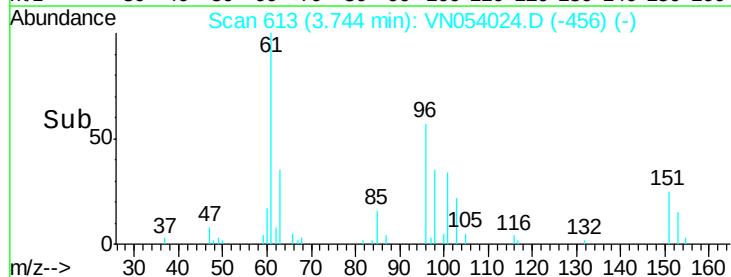
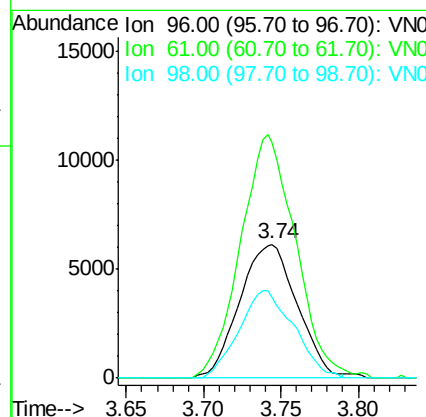
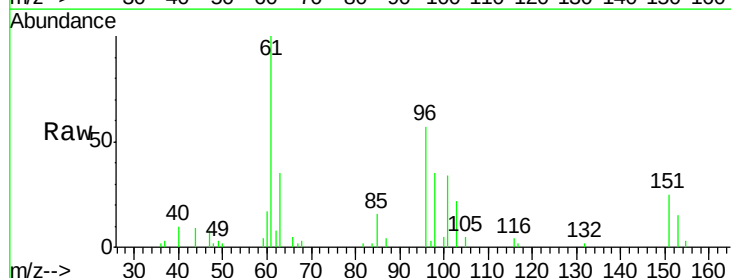
RT: 3.74 min Scan# 613

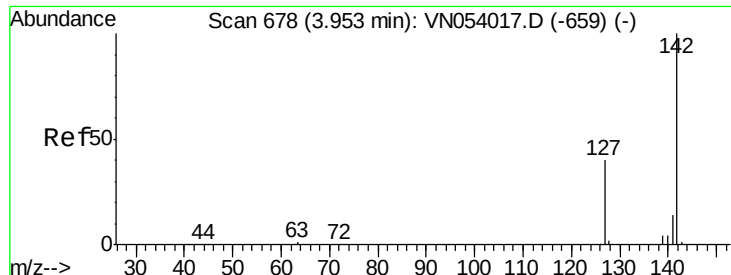
Delta R.T. 0.01 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Tgt Ion:	96	Resp:	15881
Ion Ratio	Lower	Upper	
96	100		
61	176.7	129.4	194.2
98	61.0	50.4	75.6





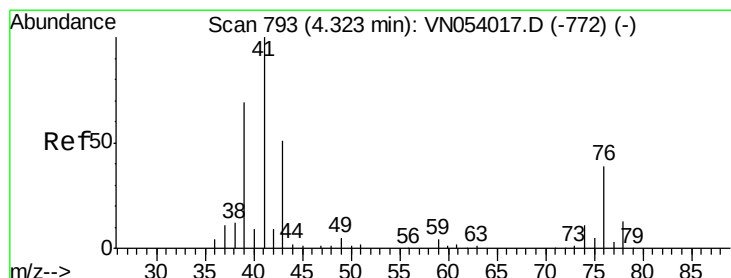
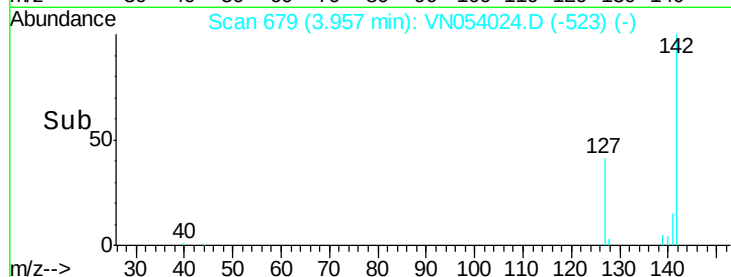
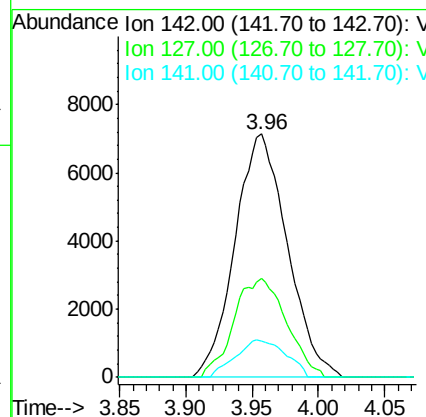
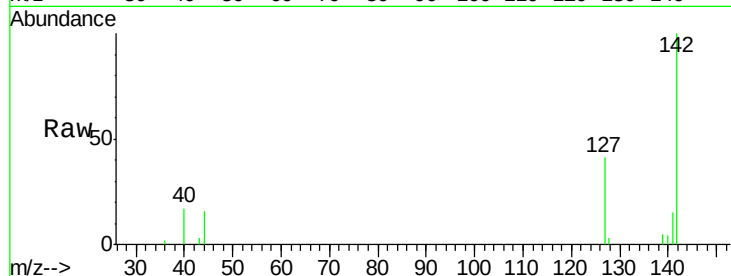
#11
Methyl Iodide
Concen: 2.098 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

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

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.7	19.4	58.1
141	15.0	7.2	21.6

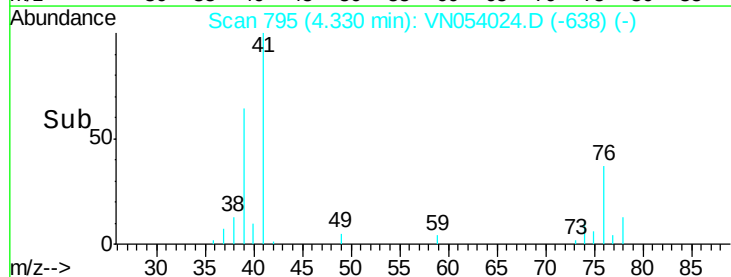
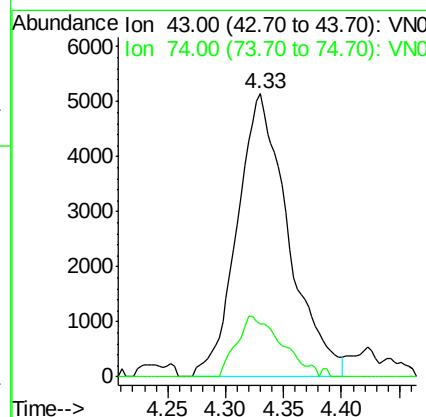
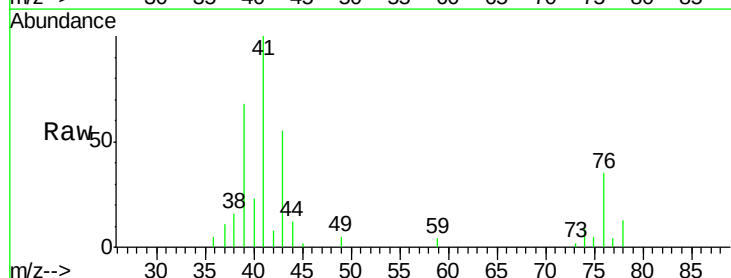
Manual Integrations
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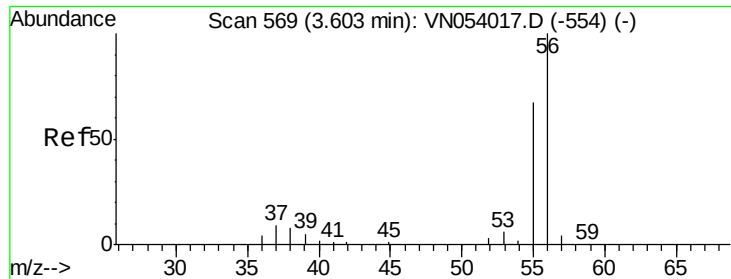
MMDadoda
3/6/2019 10:23:39 AM



#12
Methyl Acetate
Concen: 2.960 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.3	18.9	28.3





#13

Acrolein

Concen: 36.214 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 56 Resp: 8213

Ion Ratio Lower Upper

56 100

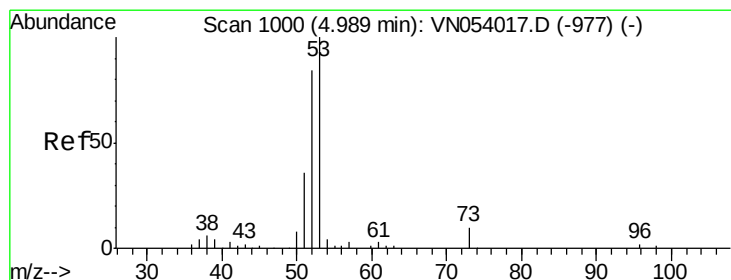
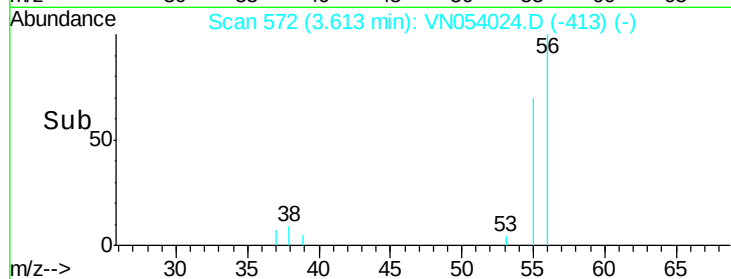
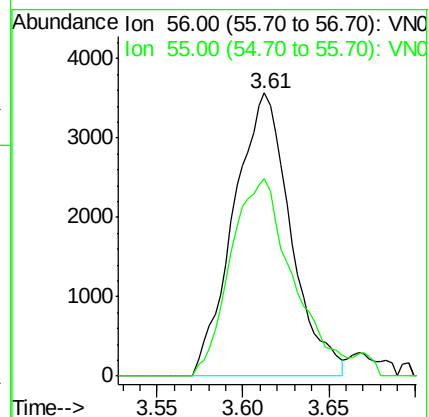
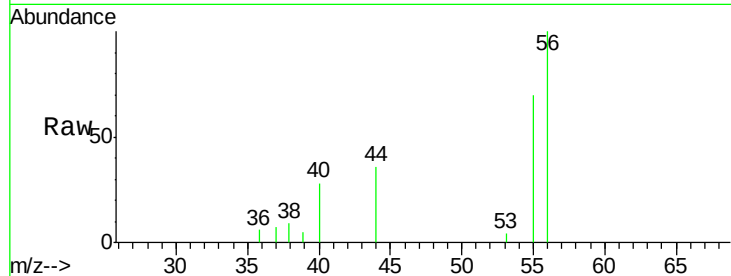
55 76.1 56.7 85.1

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3/6/2019 10:23:39 AM



#14

Acrylonitrile

Concen: 11.174 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

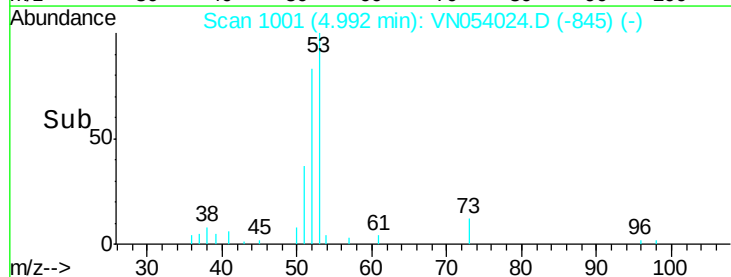
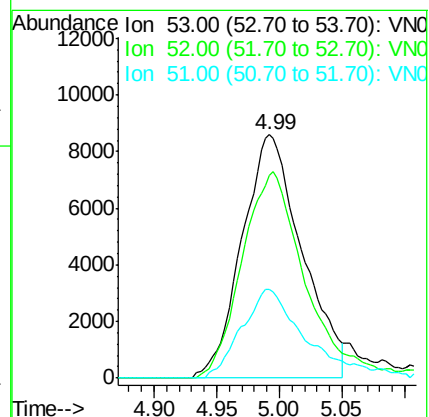
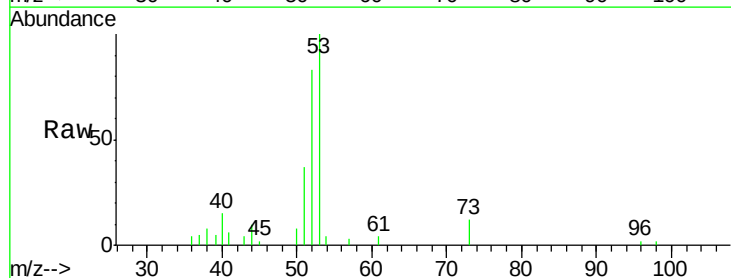
Tgt Ion: 53 Resp: 28584

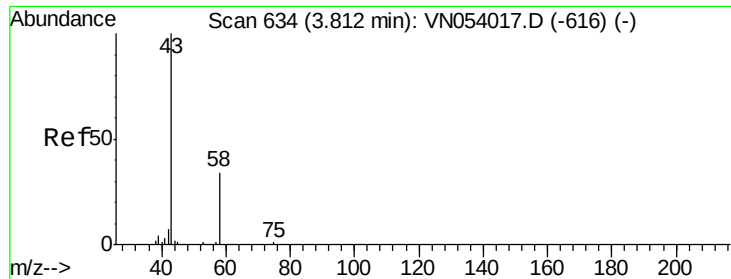
Ion Ratio Lower Upper

53 100

52 88.3 39.9 119.7

51 36.8 17.6 52.9





#15

Acetone

Concen: 12.673 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 58 Resp: 9343

Ion Ratio Lower Upper

58 100

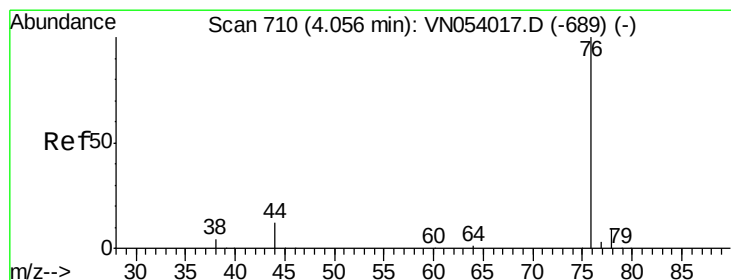
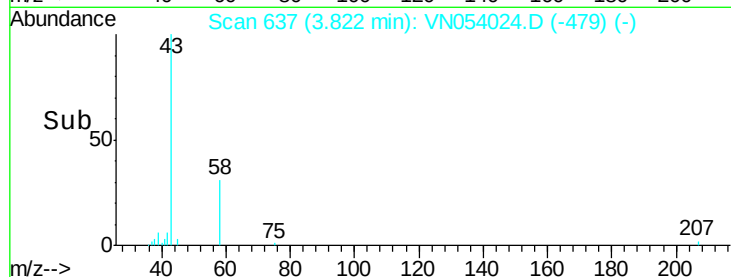
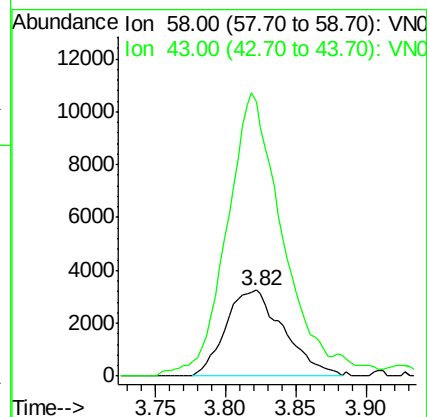
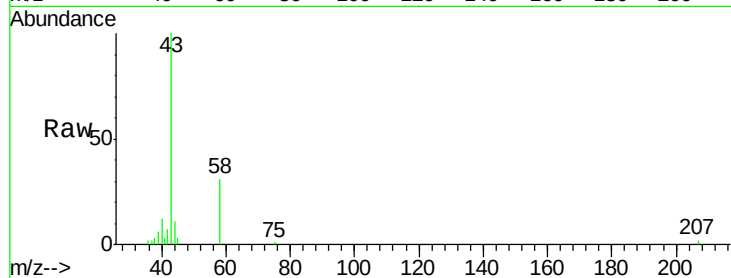
43 302.0 243.6 365.4

Manual Integrations

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#16

Carbon Disulfide

Concen: 2.671 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN054024.D

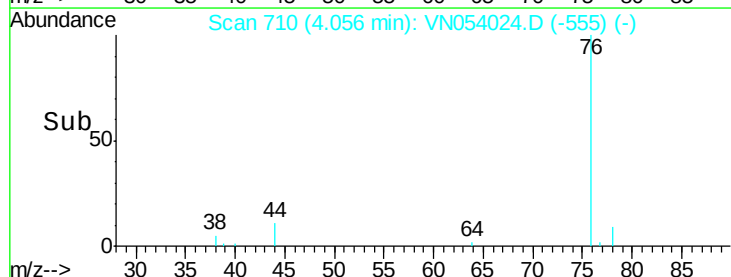
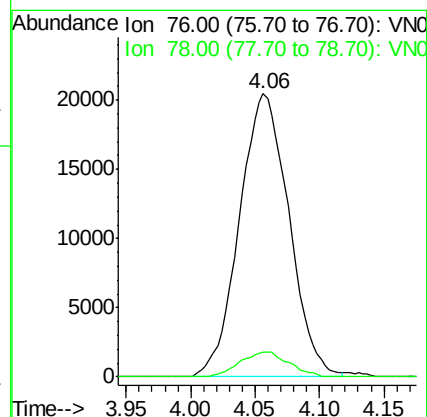
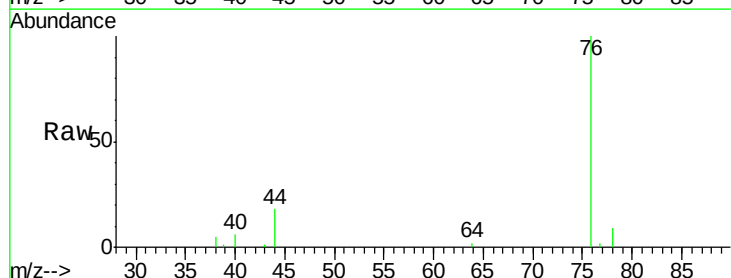
Acq: 1 Mar 2019 12:51

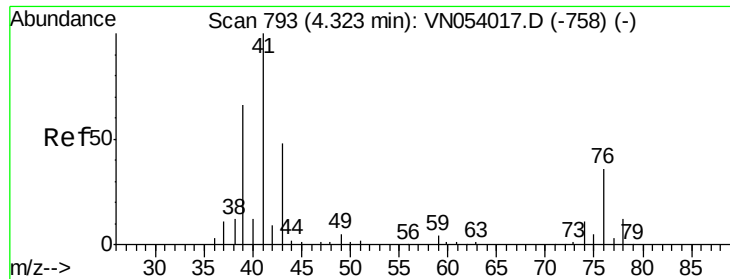
Tgt Ion: 76 Resp: 54706

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9





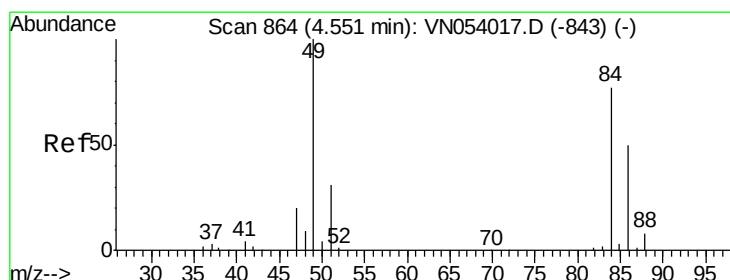
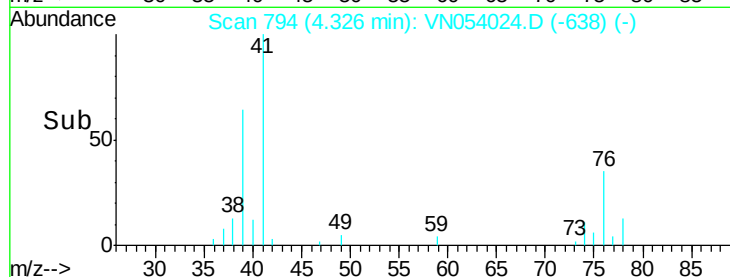
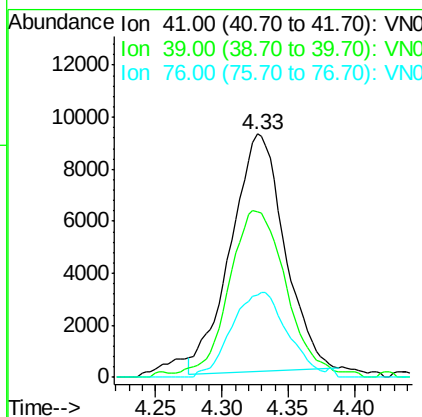
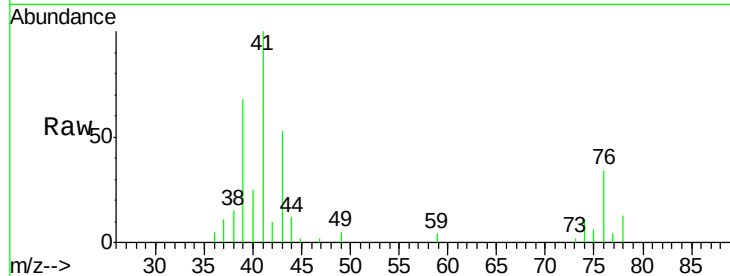
#17
Allvl chloride
Concen: 2.303 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

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

Tot Ion:	41	Resp:	25711
Ion Ratio	Lower	Upper	
41	100		
39	68.5	32.8	98.3
76	35.5	18.6	55.8

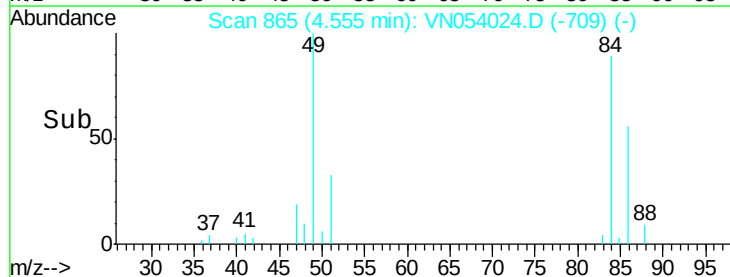
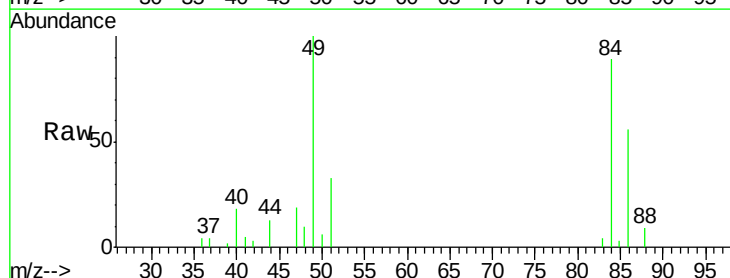
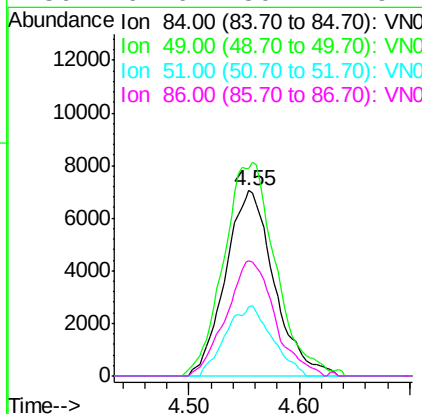
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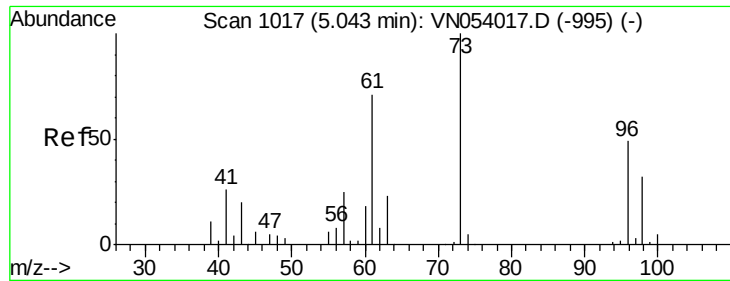
MMDadoda
3/6/2019 10:23:39 AM



#18
Methylene Chloride
Concen: 2.960 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

Tgt Ion:	84	Resp:	21582
Ion Ratio	Lower	Upper	
84	100		
49	109.2	101.4	152.0
51	37.5	31.7	47.5
86	62.6	50.1	75.1





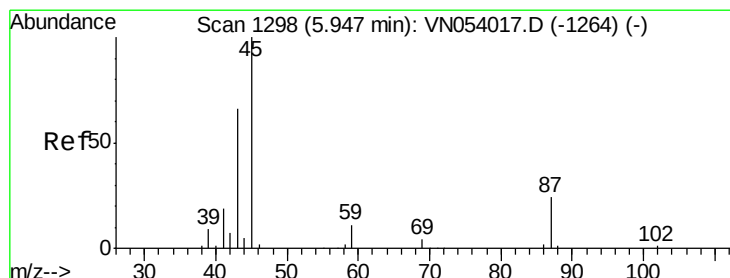
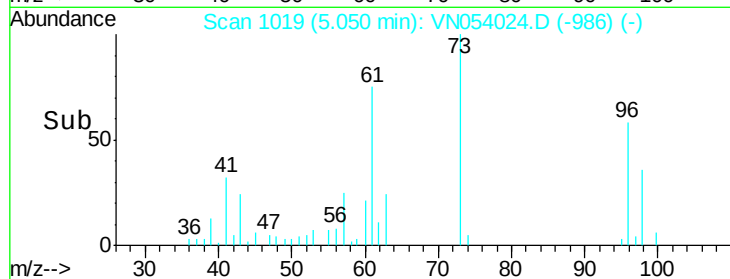
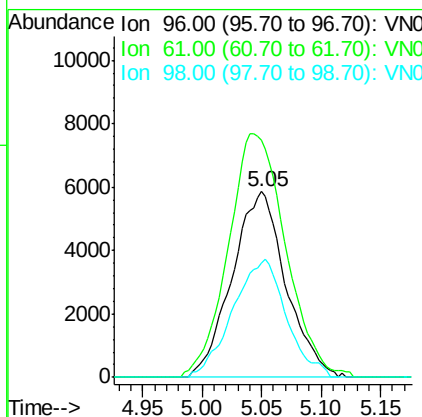
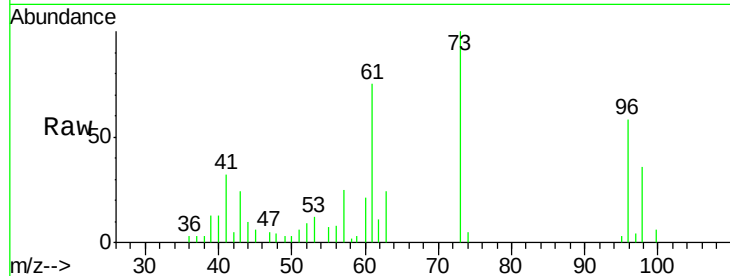
#19
trans-1,2-Dichloroethene
Concen: 2.683 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.3	118.2	177.4
98	61.5	51.4	77.2

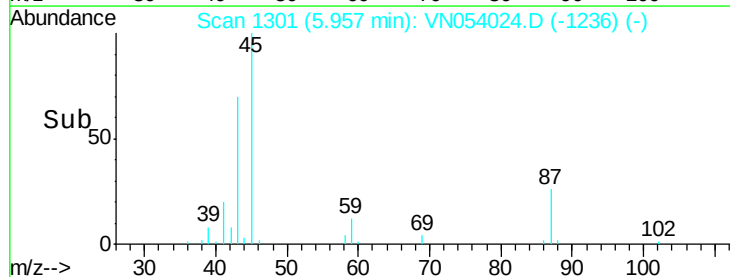
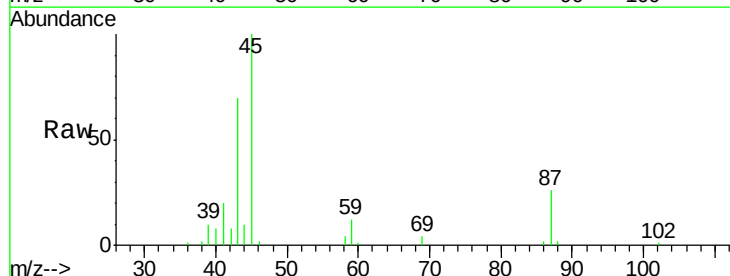
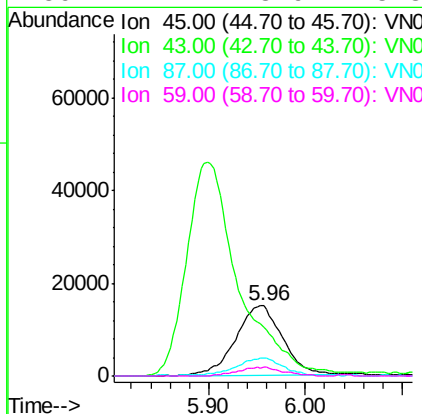
Manual Integrations
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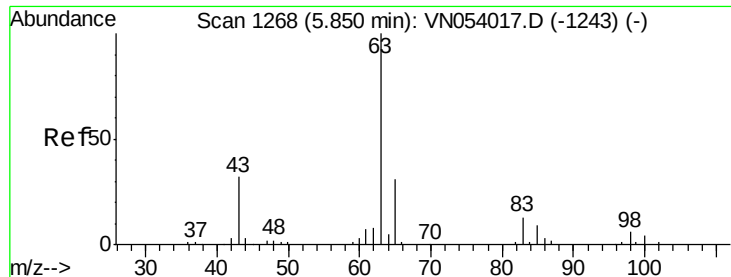
MMDadoda
3/6/2019 10:23:39 AM



#20
Diisopropyl ether
Concen: 2.251 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.8	47.8	71.8
87	25.5	21.3	31.9
59	12.4	8.9	13.3





#21

1,1-Dichloroethane

Concen: 2.631 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Instrument :

MSVOA_N

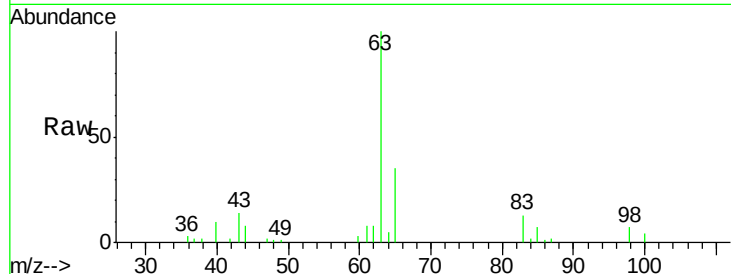
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	63	Resp:	34706
Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.0	9.2
100	3.9	1.8	5.5

Manual Integrations
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MMDadoda
3/6/2019 10:23:39 AM

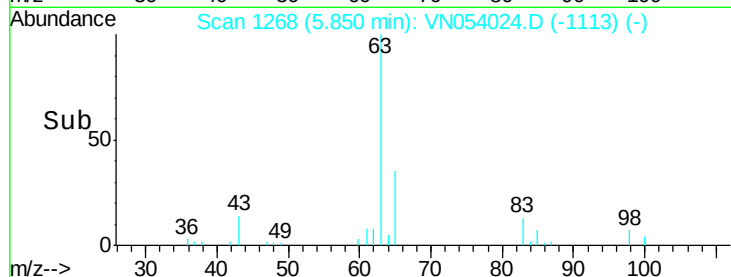


Abundance Ion 63.00 (62.70 to 63.70): VN054017.D (-1243) (-)

Ion 98.00 (97.70 to 98.70): VN054017.D (-1243) (-)

Ion 100.00 (99.70 to 100.70): VN054017.D (-1243) (-)

Time-->



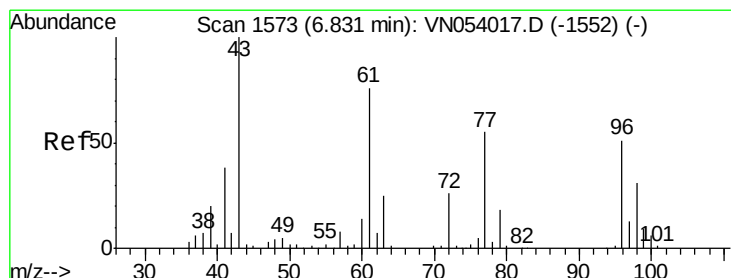
Abundance

Ion 63.00 (62.70 to 63.70): VN054024.D (-1113) (-)

Ion 98.00 (97.70 to 98.70): VN054024.D (-1113) (-)

Ion 100.00 (99.70 to 100.70): VN054024.D (-1113) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 2.569 ug/l

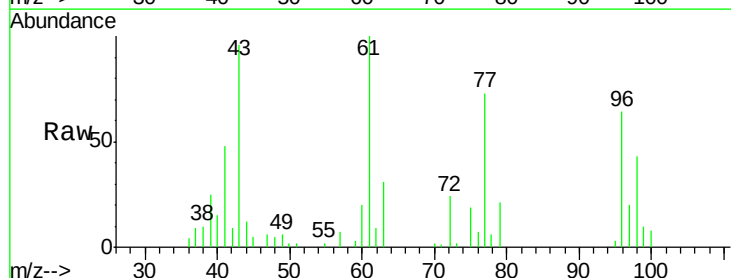
RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Tgt Ion:	96	Resp:	19588
Ion	Ratio	Lower	Upper
96	100		
61	149.8	116.7	175.1
98	63.4	50.8	76.2

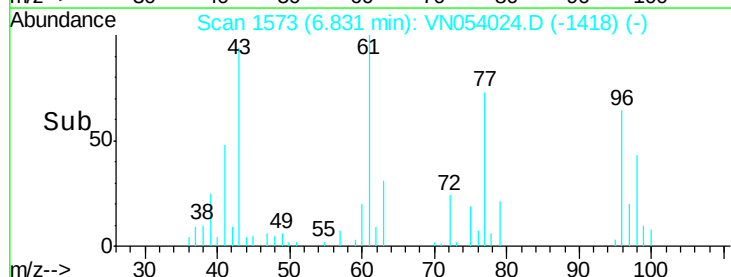


Abundance Ion 96.00 (95.70 to 96.70): VN054017.D (-1552) (-)

Ion 61.00 (60.70 to 61.70): VN054017.D (-1552) (-)

Ion 98.00 (97.70 to 98.70): VN054017.D (-1552) (-)

Time-->



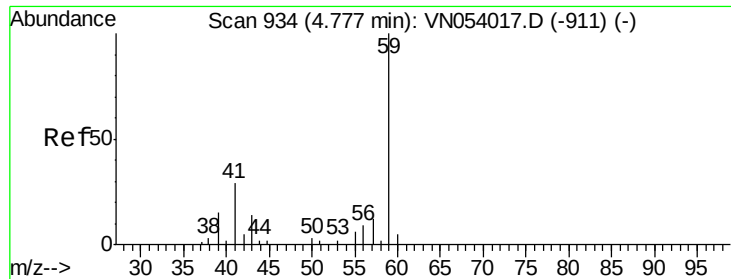
Abundance

Ion 96.00 (95.70 to 96.70): VN054024.D (-1418) (-)

Ion 61.00 (60.70 to 61.70): VN054024.D (-1418) (-)

Ion 98.00 (97.70 to 98.70): VN054024.D (-1418) (-)

Time-->



#23

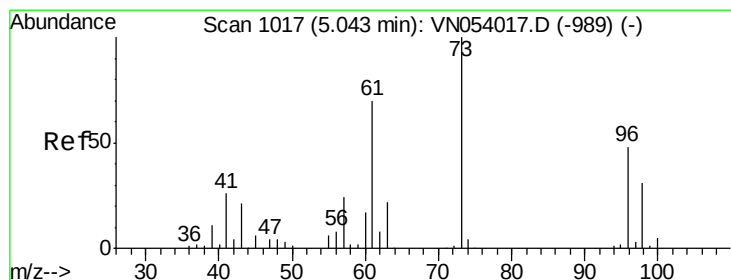
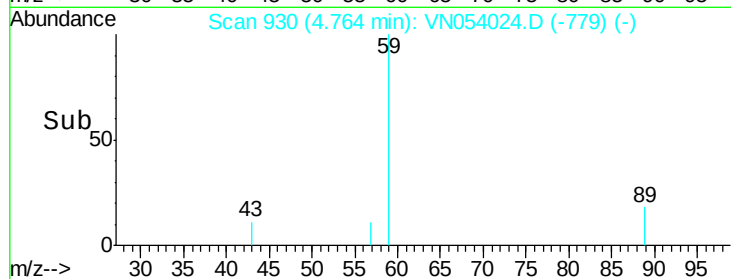
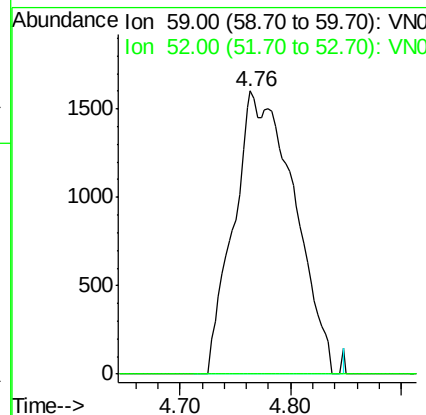
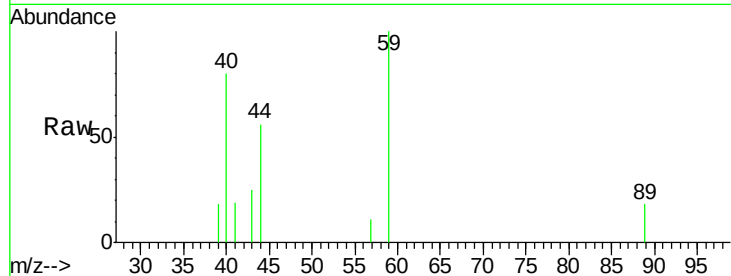
tert-Butyl Alcohol
 Concen: 13.267 ug/l m
 RT: 4.76 min Scan# 930
 Delta R.T. -0.01 min
 Lab File: VN054024.D
 Acq: 1 Mar 2019 12:51

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

Tot Ion: 59 Resp: 6079
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

Manual Integrations
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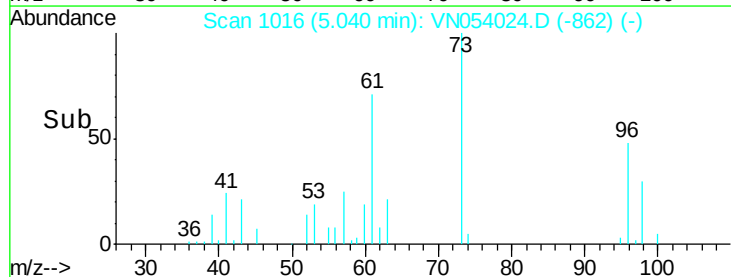
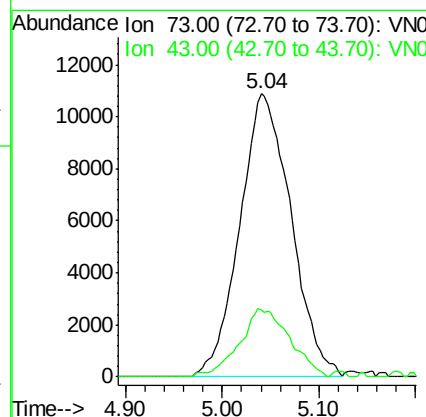
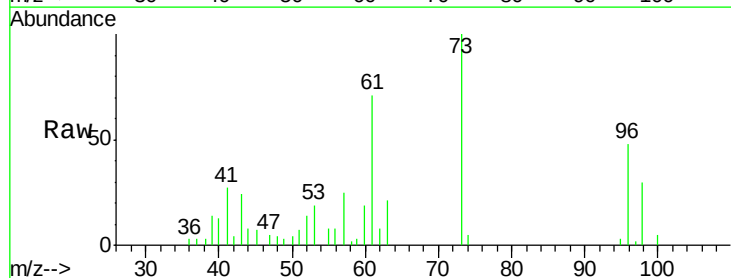
MMDadoda
 3/6/2019 10:23:39 AM

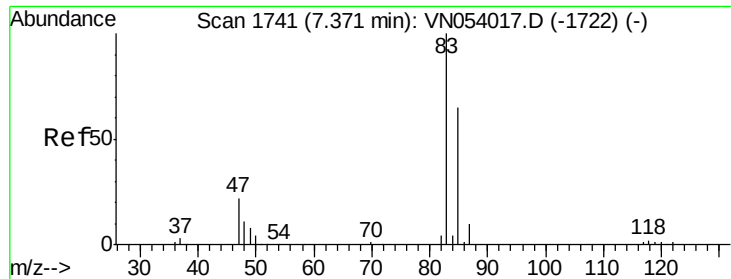


#24

Methyl tert-Butyl Ether
 Concen: 2.344 ug/l
 RT: 5.04 min Scan# 1016
 Delta R.T. -0.00 min
 Lab File: VN054024.D
 Acq: 1 Mar 2019 12:51

Tgt Ion: 73 Resp: 40065
 Ion Ratio Lower Upper
 73 100
 43 10.3 15.8 23.8#





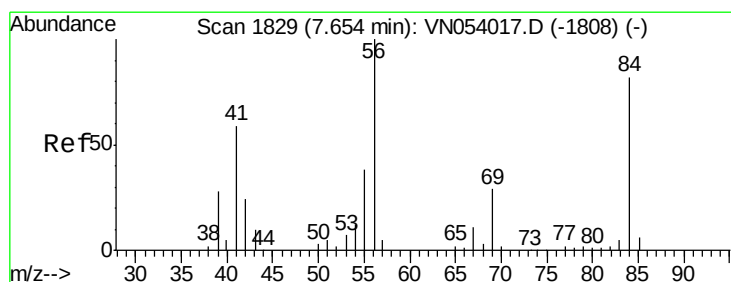
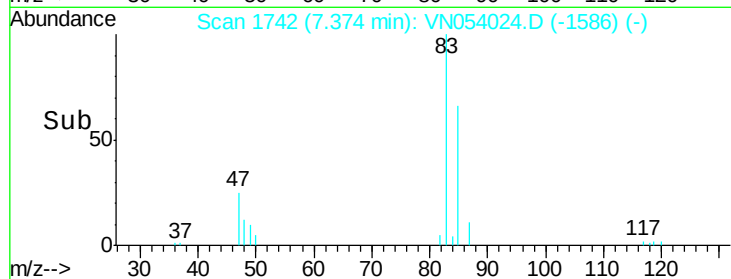
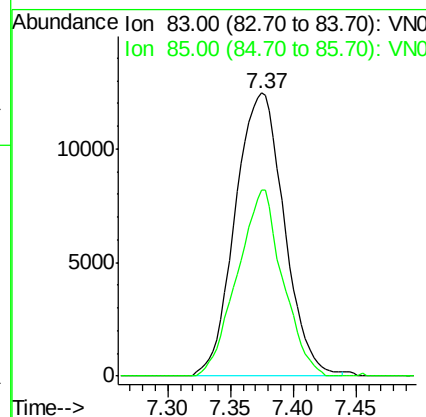
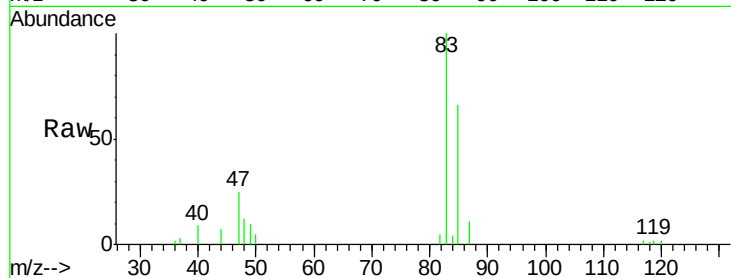
#25
Chloroform
Concen: 2.659 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

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

Tot Ion	83	Resp	33850
Ion Ratio	100	Lower	Upper
85	65.7	51.7	77.5

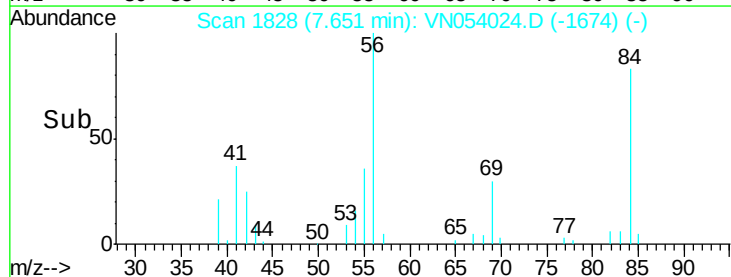
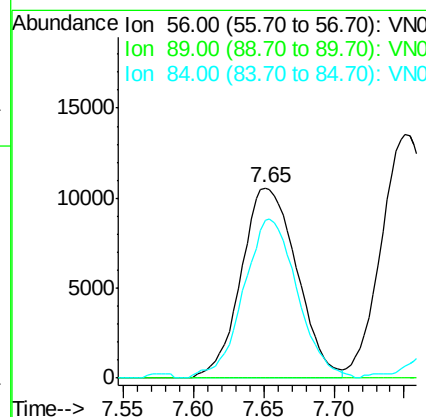
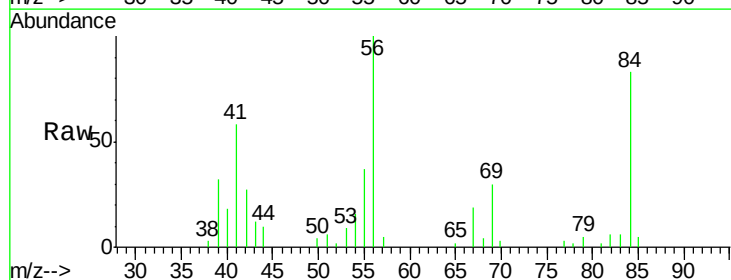
Manual Integrations
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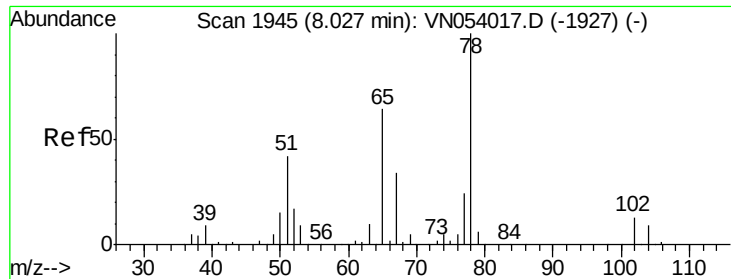
MMDadoda
3/6/2019 10:23:39 AM



#26
Cyclohexane
Concen: 2.429 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

Tgt Ion	56	Resp	29161
Ion Ratio	100	Lower	Upper
89	0.0	0.5	0.7#
84	79.8	66.2	99.2





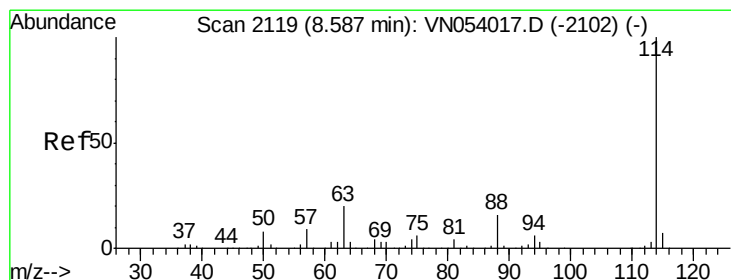
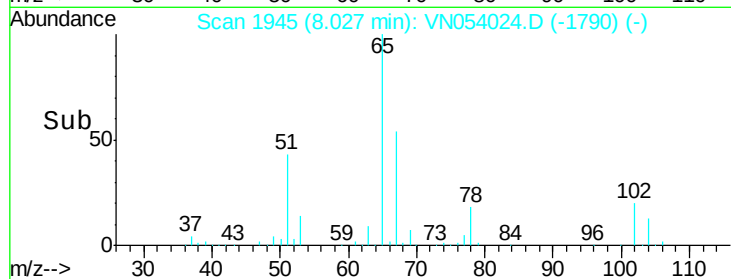
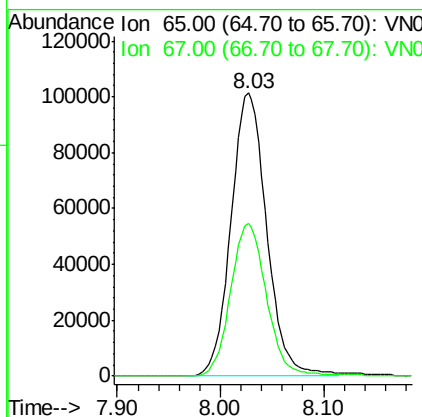
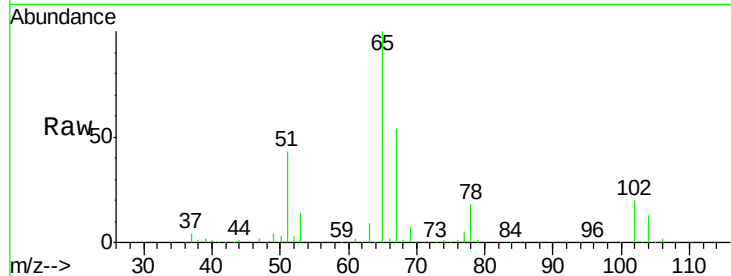
#27
 1,2-Dichloroethane-d4
 Concen: 2.429 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054024.D
 Acq: 1 Mar 2019 12:51

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

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	44.6	66.8

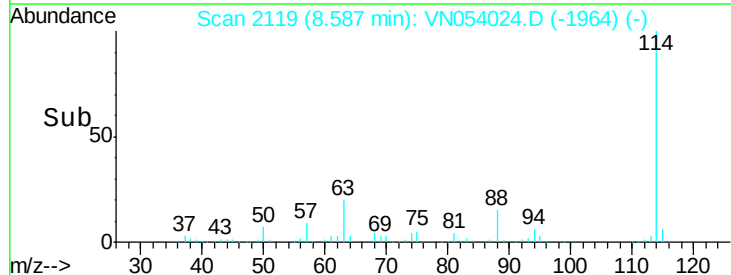
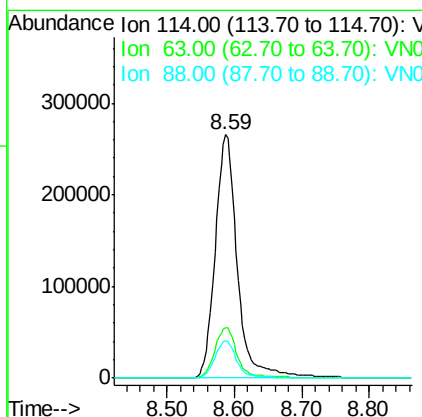
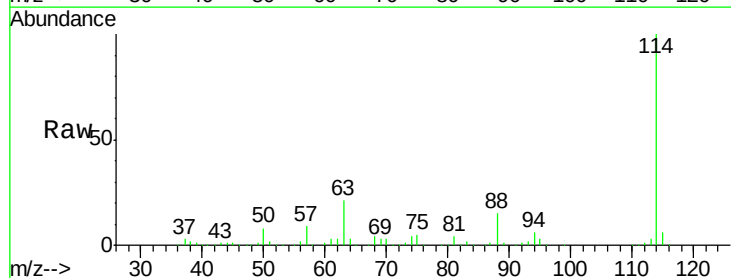
Manual Integrations
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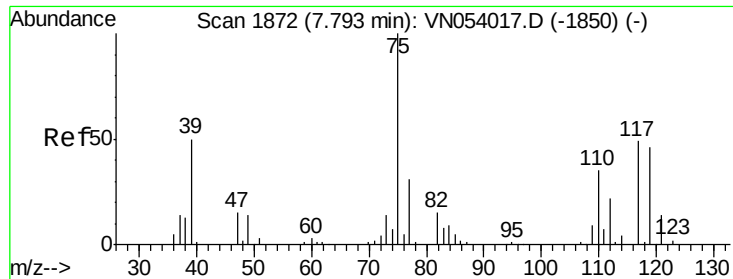
MMDadoda
 3/6/2019 10:23:39 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054024.D
 Acq: 1 Mar 2019 12:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	16.9	25.3
88	15.1	12.8	19.2





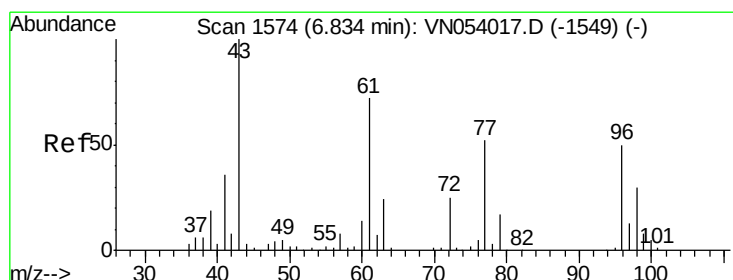
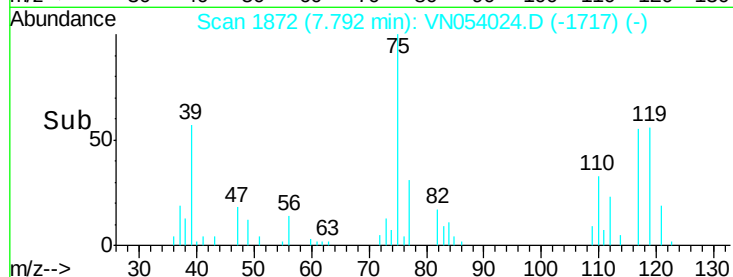
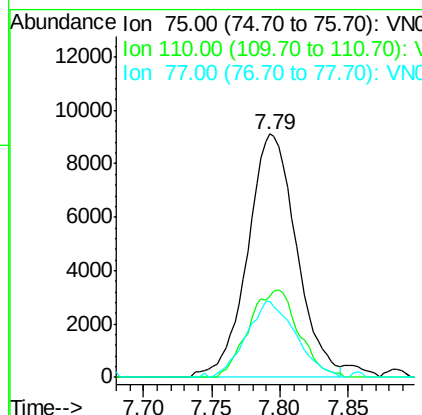
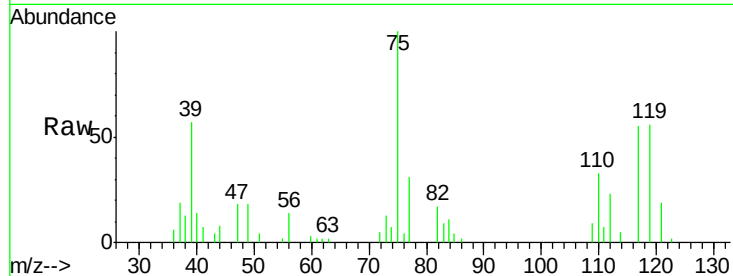
#29
 1,1-Dichloropropene
 Concen: 2.358 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN054024.D
 Acq: 1 Mar 2019 12:51

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

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.8	0.0	70.2
77	31.8	0.0	62.6

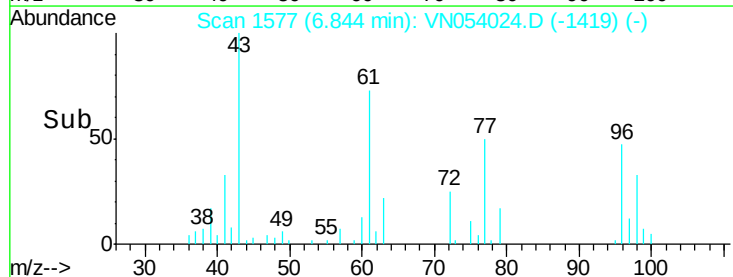
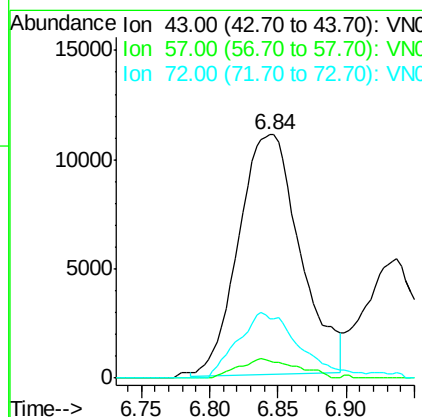
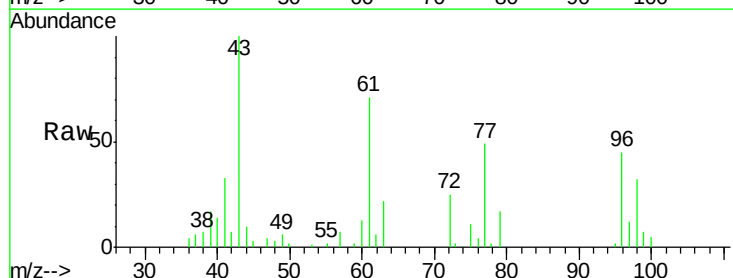
Manual Integrations
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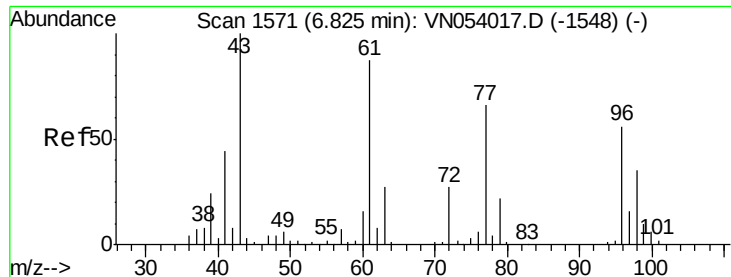
MMDadoda
 3/6/2019 10:23:39 AM



#30
 2-Butanone
 Concen: 11.402 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VN054024.D
 Acq: 1 Mar 2019 12:51

Tgt Ion	Ratio	Lower	Upper
43	100		
57	6.9	6.2	9.4
72	14.3	21.0	31.6





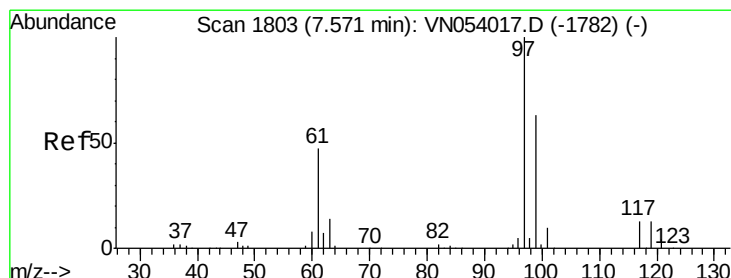
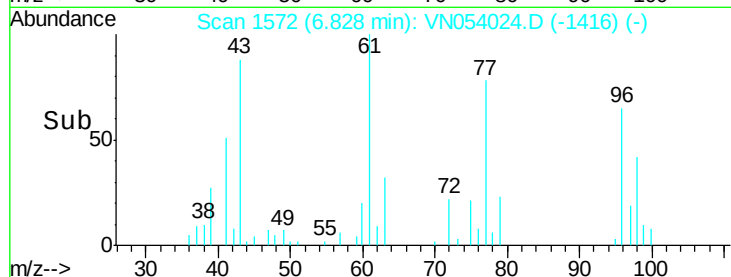
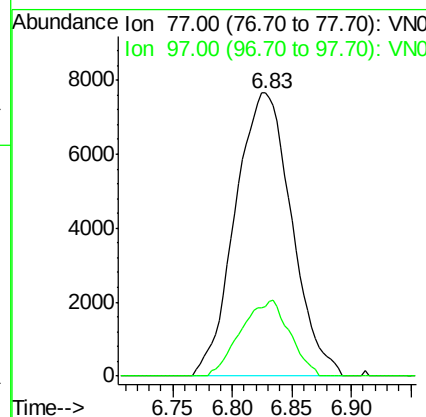
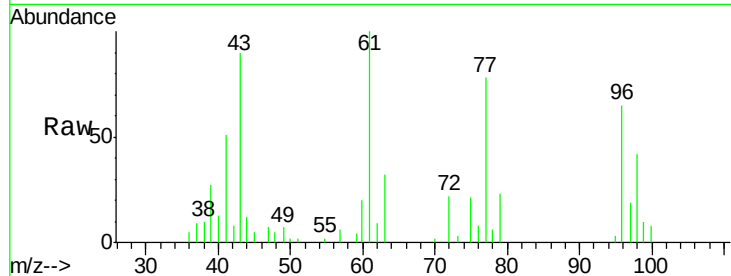
#31
 2,2-Dichloropropane
 Concen: 2.652 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN054024.D
 Acq: 1 Mar 2019 12:51

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

Tot Ion: 77 Resp: 25085
 Ion Ratio Lower Upper
 77 100
 97 23.2 18.7 28.1

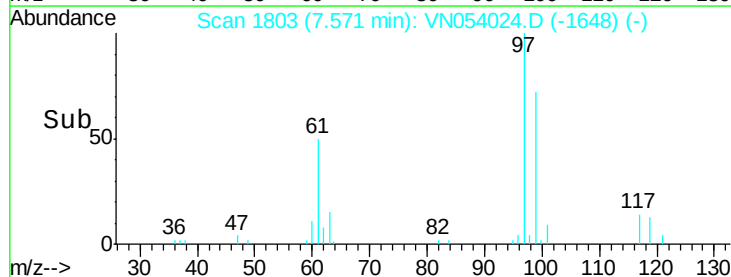
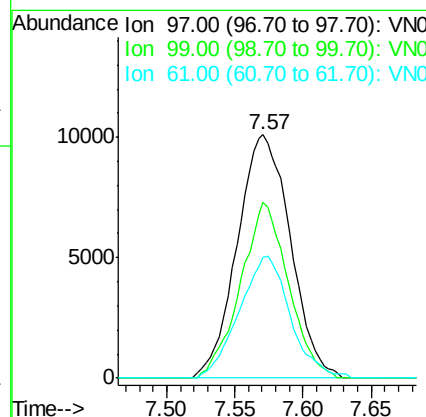
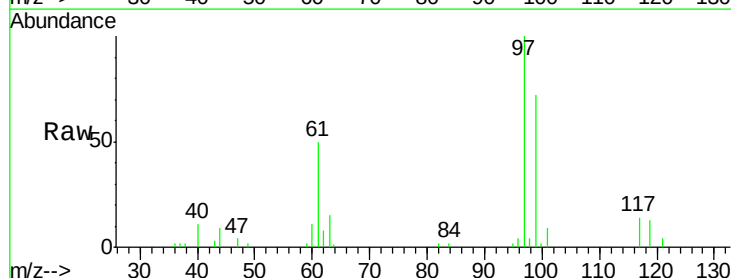
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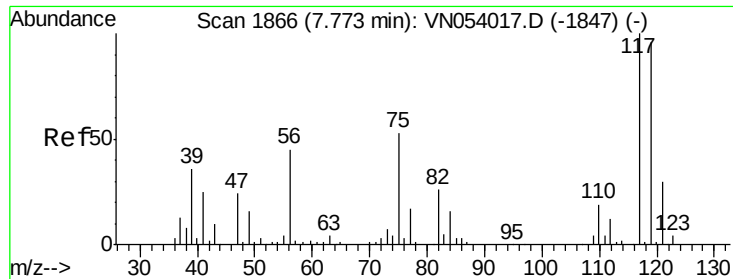
MMDadoda
 3/6/2019 10:23:39 AM



#32
 1,1,1-Trichloroethane
 Concen: 2.649 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN054024.D
 Acq: 1 Mar 2019 12:51

Tgt Ion: 97 Resp: 27330
 Ion Ratio Lower Upper
 97 100
 99 65.1 50.9 76.3
 61 47.9 38.1 57.1





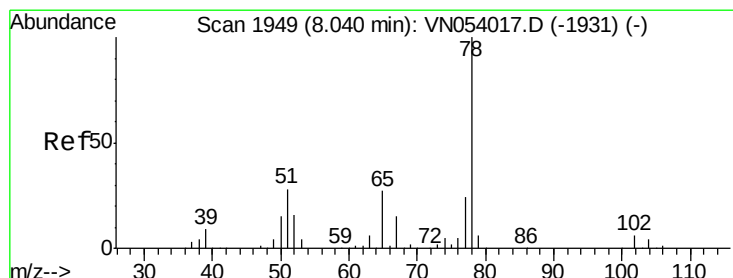
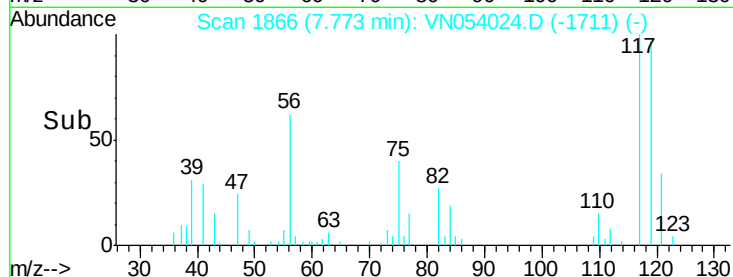
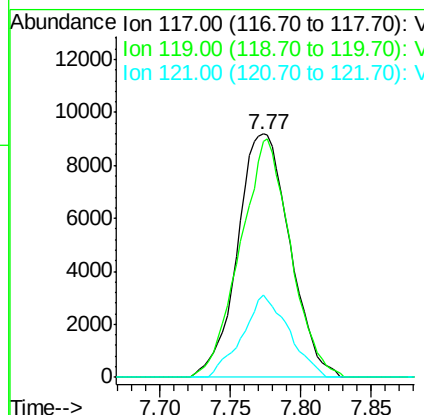
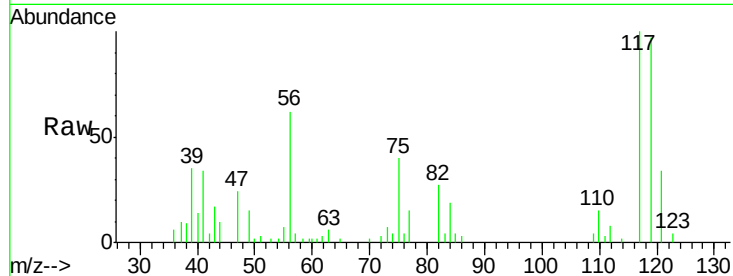
#33
Carbon Tetrachloride
Concen: 2.604 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

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

Tot Ion:117 Resp: 23783
Ion Ratio Lower Upper
117 100
119 97.1 77.3 115.9
121 33.8 24.9 37.3

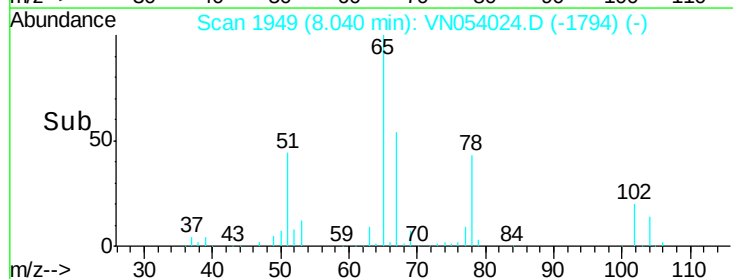
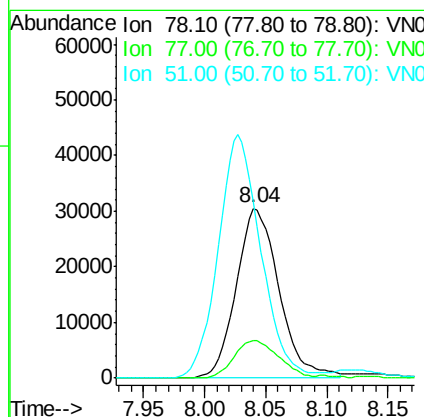
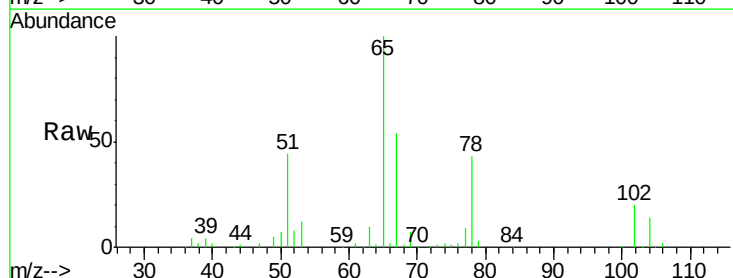
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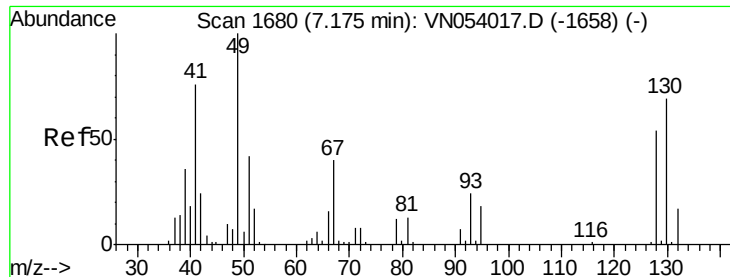
MMDadoda
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#34
Benzene
Concen: 2.600 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

Tgt Ion: 78 Resp: 74124
Ion Ratio Lower Upper
78 100
77 22.3 19.0 28.6
51 99.6 20.5 30.7#





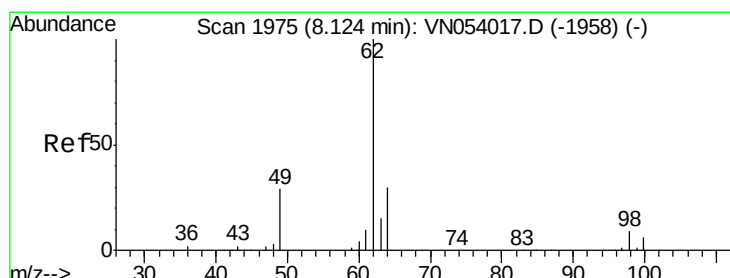
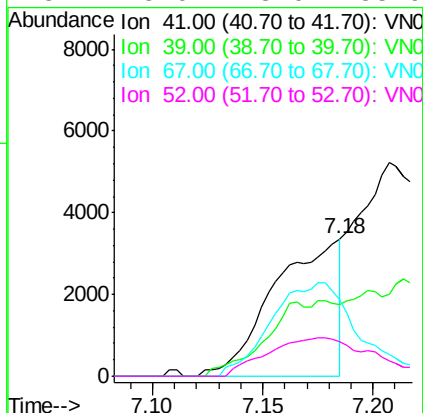
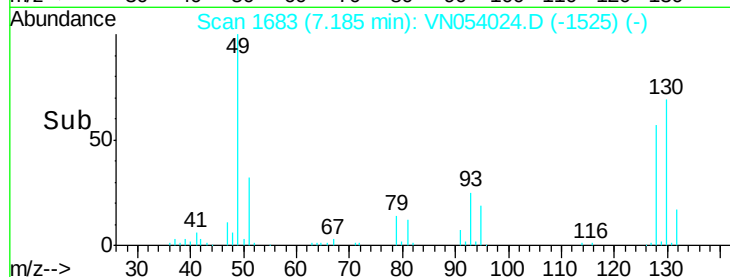
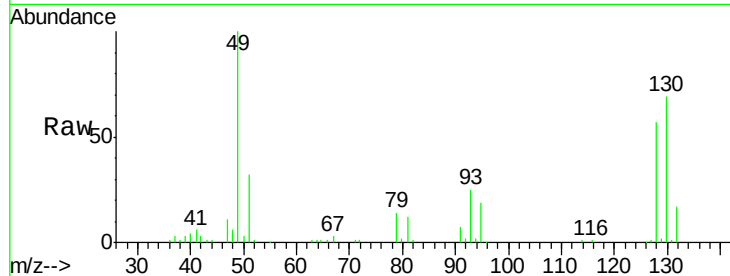
#35
Methacrylonitrile
Concen: 2.062 ug/l m
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		6984		
39	52.7	26.6	79.7		
67	55.8	32.3	96.9		
52	25.0	13.0	38.9		

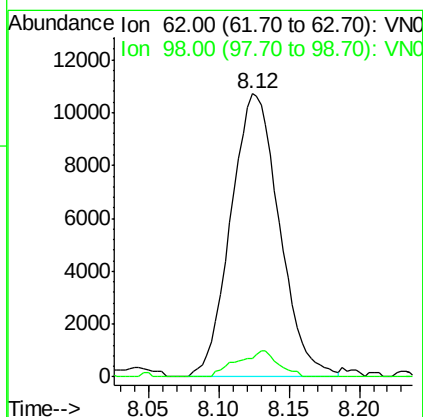
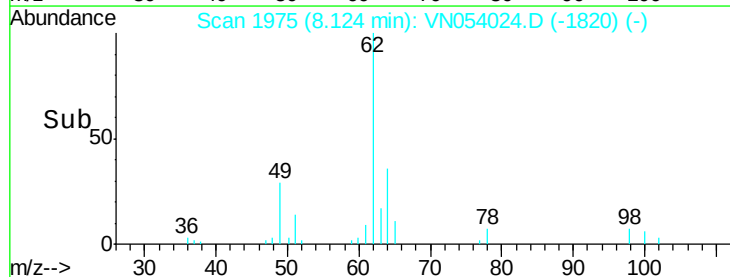
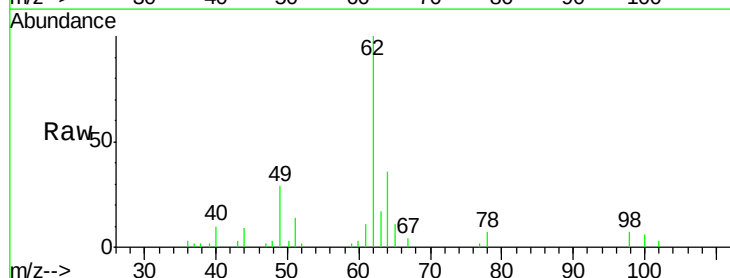
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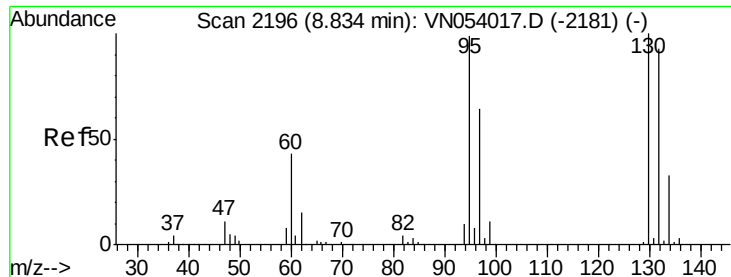
MMDadoda
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#36
1,2-Dichloroethane
Concen: 2.823 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		25837		
98	7.8	7.4	11.2		





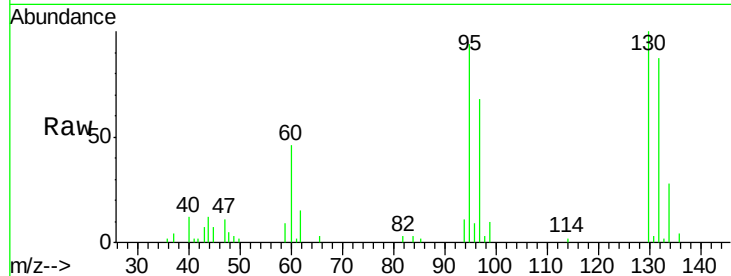
#37
 Trichloroethene
 Concen: 2.674 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN054024.D
 Acq: 1 Mar 2019 12:51

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

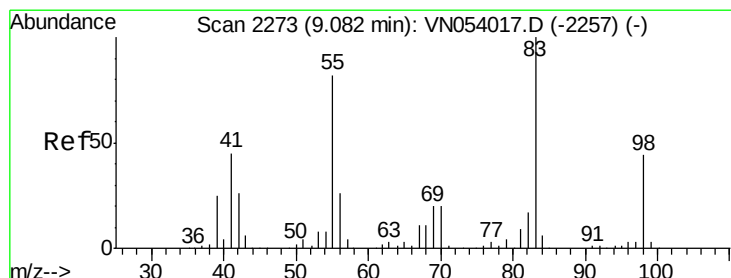
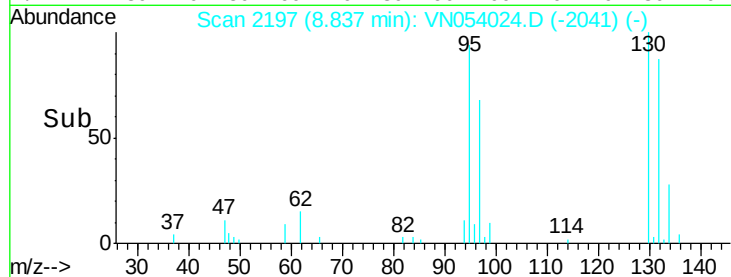
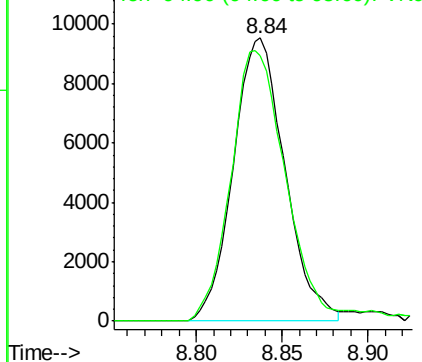
Tot Ion:130 Resp: 19895
 Ion Ratio Lower Upper
 130 100
 95 93.7 81.0 121.4

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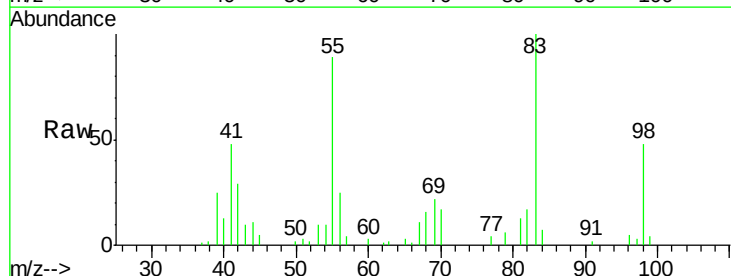


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

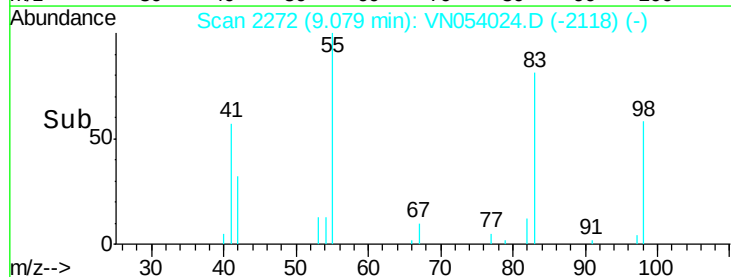
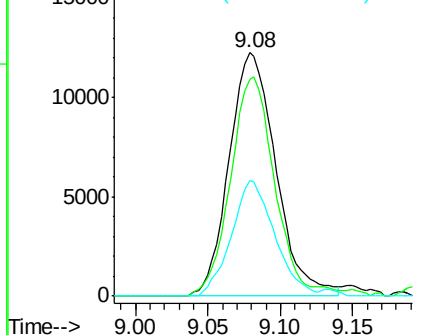


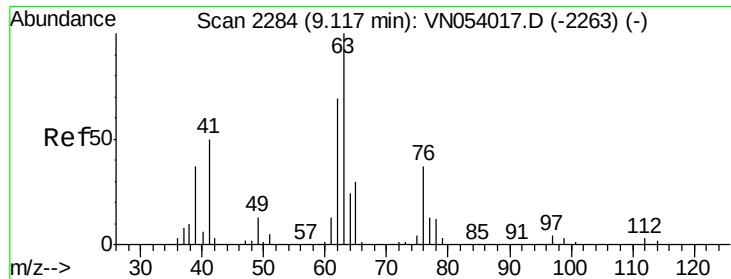
#38
 Methylcyclohexane
 Concen: 2.426 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN054024.D
 Acq: 1 Mar 2019 12:51

Tgt Ion: 83 Resp: 27461
 Ion Ratio Lower Upper
 83 100
 55 85.2 39.8 119.4
 98 43.7 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO





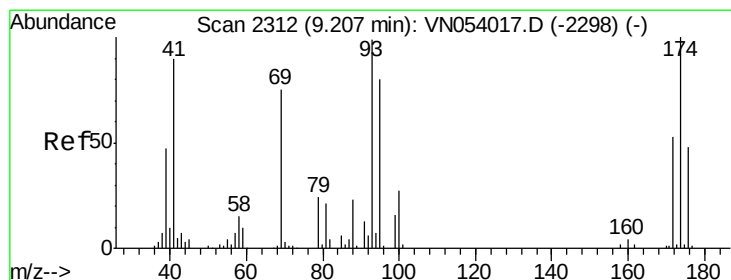
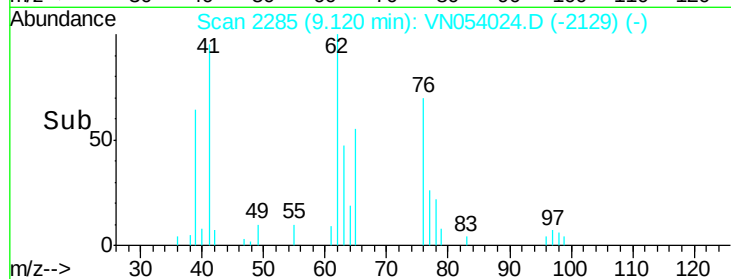
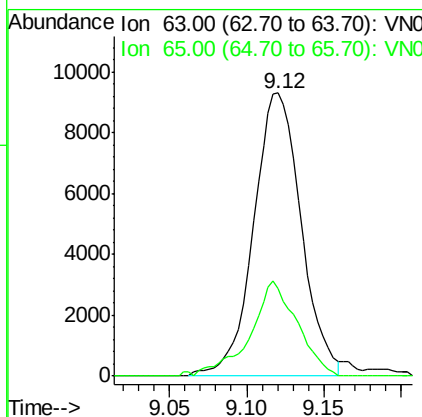
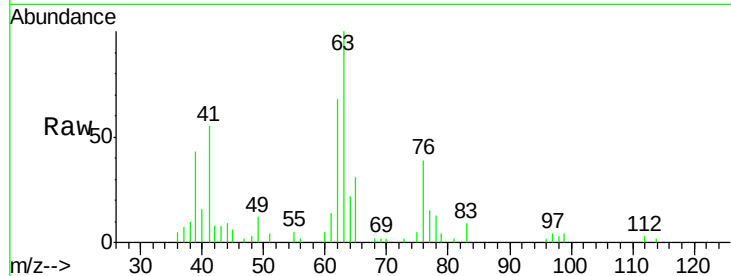
#39
 1,2-Dichloropropane
 Concen: 2.552 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054024.D
 Acq: 1 Mar 2019 12:51

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

Tot Ion: 63 Resp: 19929
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.6 35.4

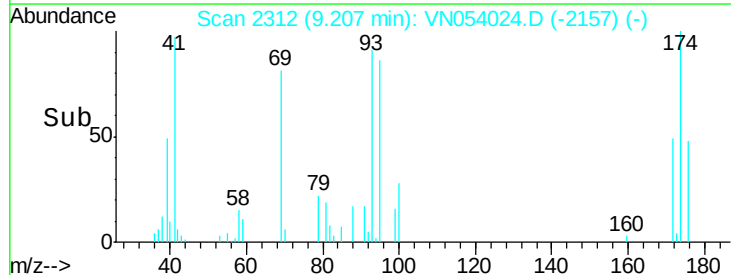
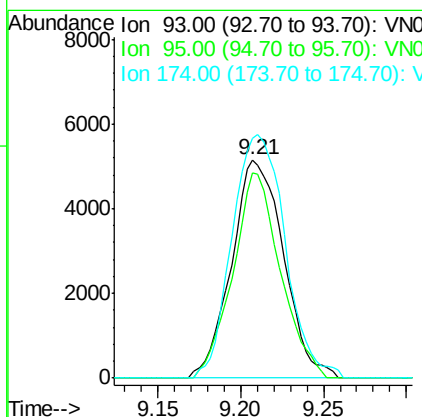
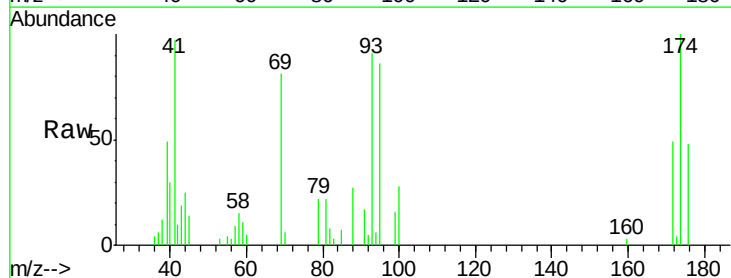
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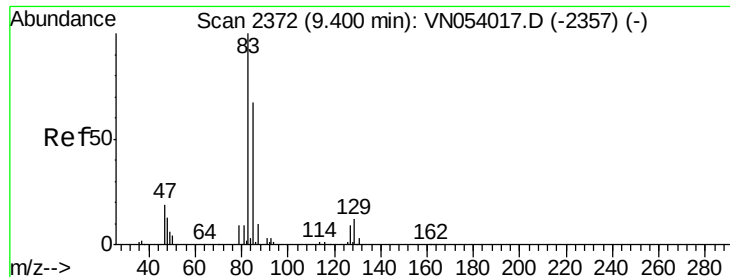
MMDadoda
 3/6/2019 10:23:39 AM



#40
 Dibromomethane
 Concen: 2.515 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054024.D
 Acq: 1 Mar 2019 12:51

Tgt Ion: 93 Resp: 11261
 Ion Ratio Lower Upper
 93 100
 95 85.7 0.0 168.4
 174 113.9 0.0 210.0





#41

Bromodichloromethane

Concen: 2.563 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Instrument :

MSVOA_N

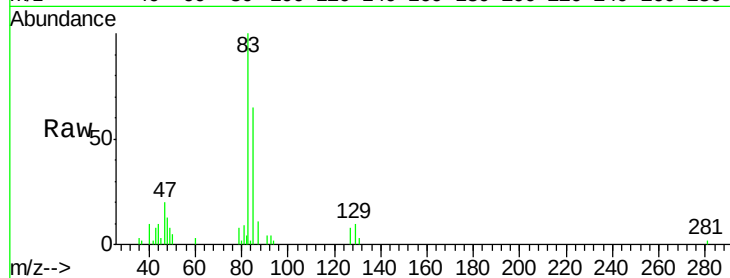
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	83	Resp:	24350
Ion Ratio	Lower	Upper	
83	100		
85	65.3	52.4	78.6
127	8.1	6.6	9.8

Manual Integrations
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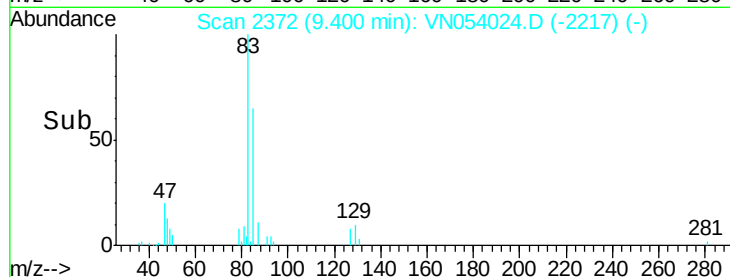


Abundance Ion 83.00 (82.70 to 83.70): VN054017.D (-2357) (-)

Ion 85.00 (84.70 to 85.70): VN054017.D (-2357) (-)

Ion 127.00 (126.70 to 127.70): VN054017.D (-2357) (-)

Time-->

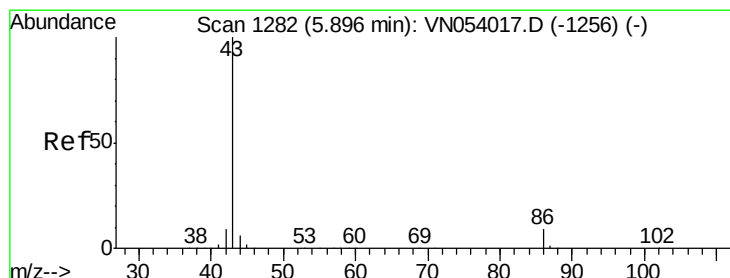


Abundance Ion 83.00 (82.70 to 83.70): VN054024.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN054024.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN054024.D (-2217) (-)

Time-->



#42

Vinyl Acetate

Concen: 11.063 ug/l

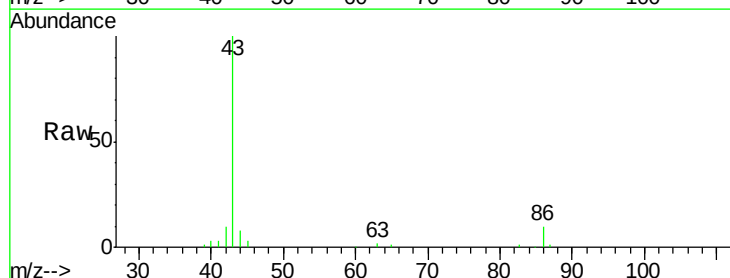
RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

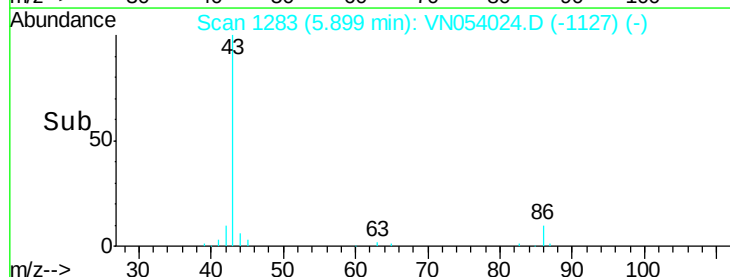
Tgt Ion:	43	Resp:	173092
Ion Ratio	Lower	Upper	
43	100		
86	8.0	6.5	9.7



Abundance Ion 43.00 (42.70 to 43.70): VN054017.D (-1256) (-)

Ion 86.00 (85.70 to 86.70): VN054017.D (-1256) (-)

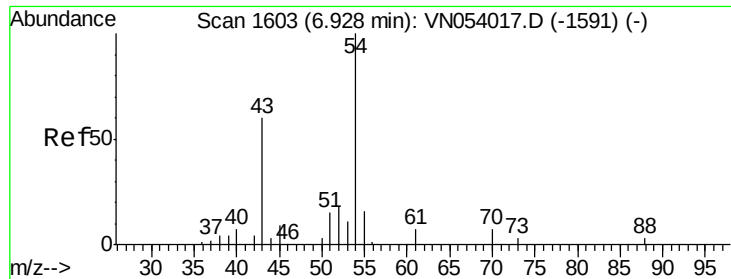
Time-->



Abundance Ion 43.00 (42.70 to 43.70): VN054024.D (-1127) (-)

Ion 86.00 (85.70 to 86.70): VN054024.D (-1127) (-)

Time-->



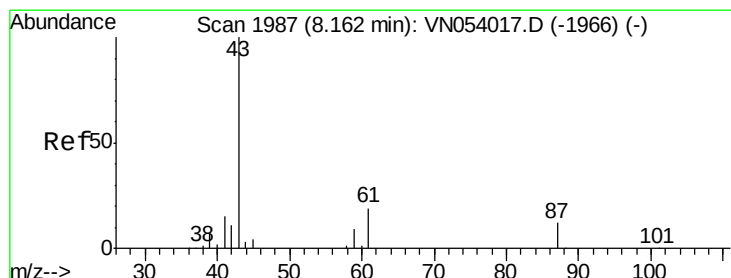
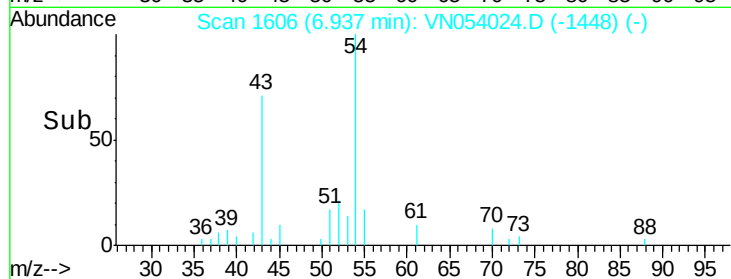
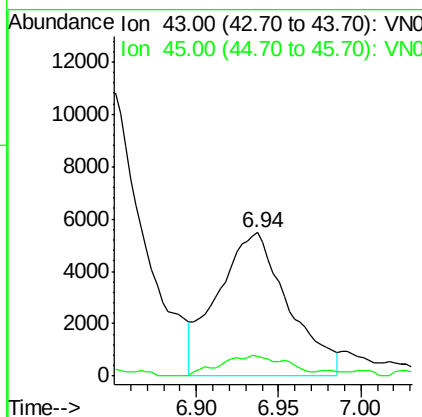
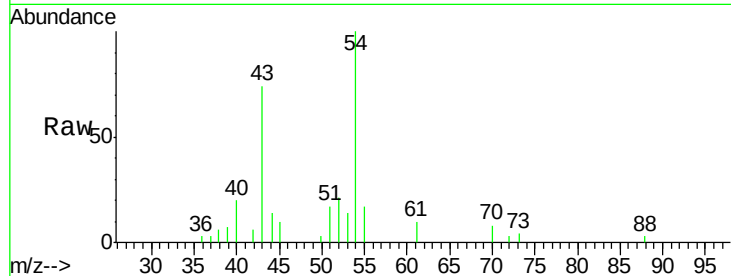
#43
Ethyl Acetate
Concen: 2.589 ug/l m
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

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

Tot Ion: 43 Resp: 16423
Ion Ratio Lower Upper
43 100
45 1.9 1.0 1.6#

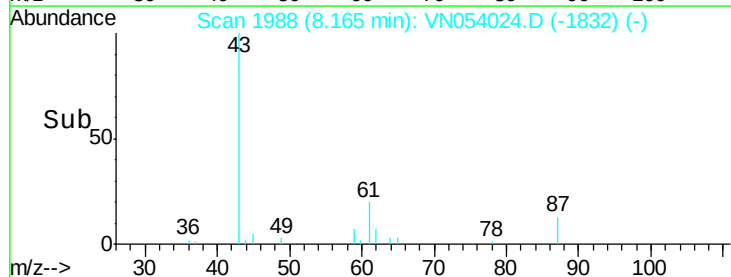
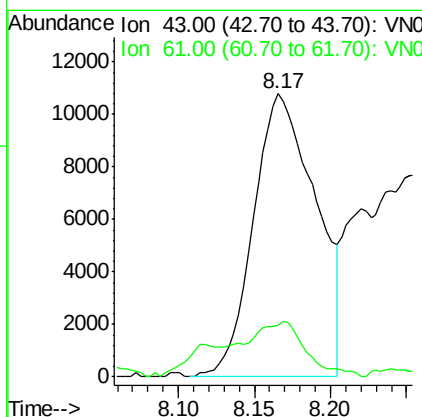
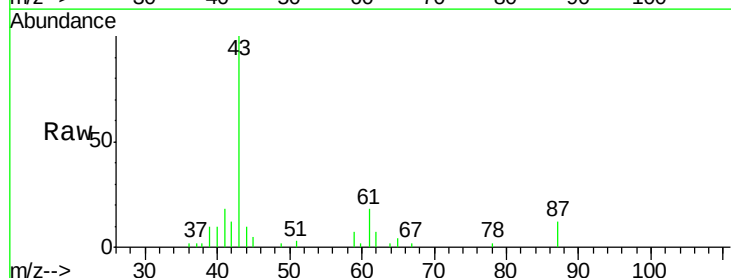
Manual Integrations
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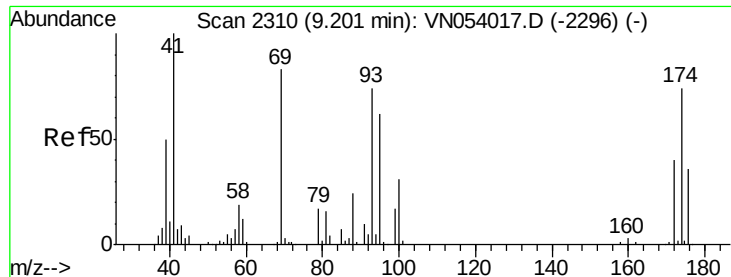
MMDadoda
3/6/2019 10:23:39 AM



#44
Isopropyl Acetate
Concen: 2.757 ug/l m
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

Tgt Ion: 43 Resp: 30688
Ion Ratio Lower Upper
43 100
61 0.2 16.0 24.0#





#45

1,4-Dioxane

Concen: 45.516 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 88 Resp: 2772

Ion Ratio Lower Upper

88 100

43 15.7 29.5 44.3#

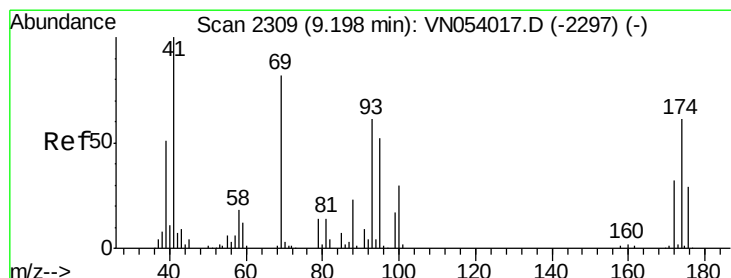
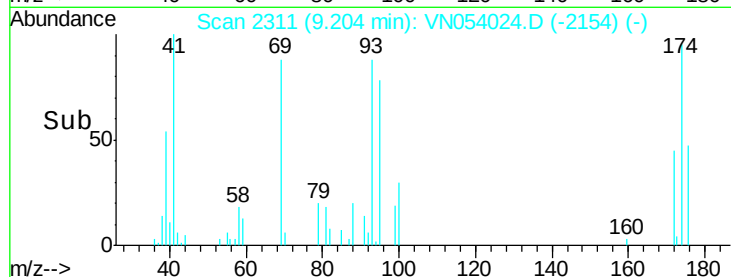
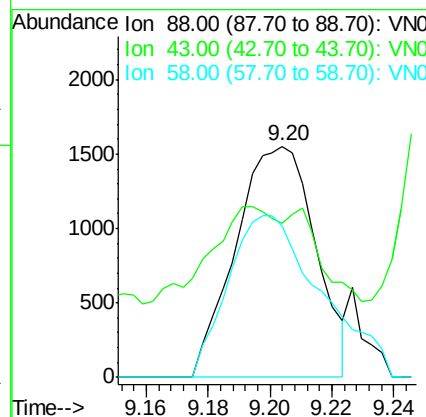
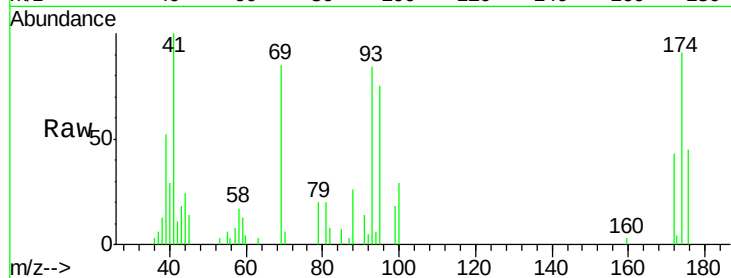
58 81.9 61.5 92.3

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#46

Methyl methacrylate

Concen: 2.114 ug/l m

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

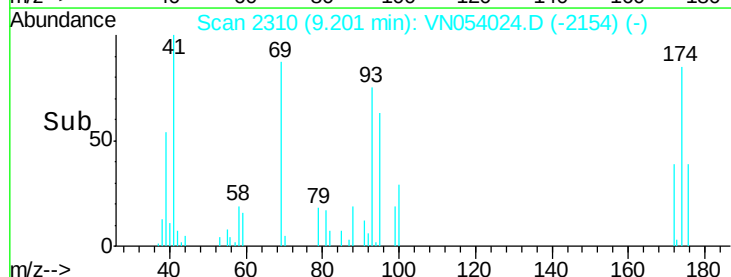
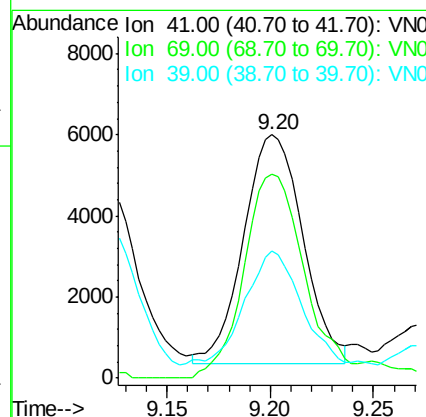
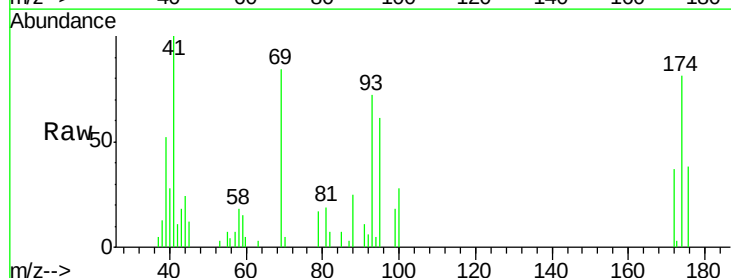
Tgt Ion: 41 Resp: 11305

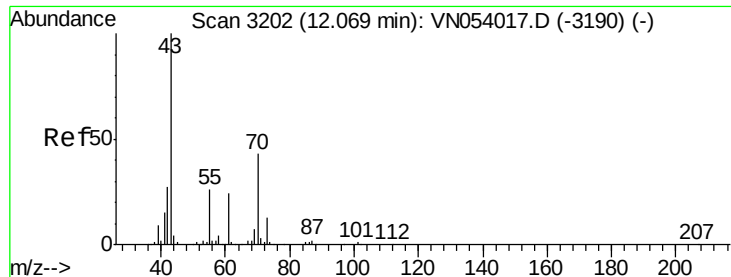
Ion Ratio Lower Upper

41 100

69 83.9 42.5 127.6

39 52.4 26.3 78.9





#47

n-amvl Acetate

Concen: 1.746 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 43 Resp: 14275

Ion Ratio Lower Upper

43 100

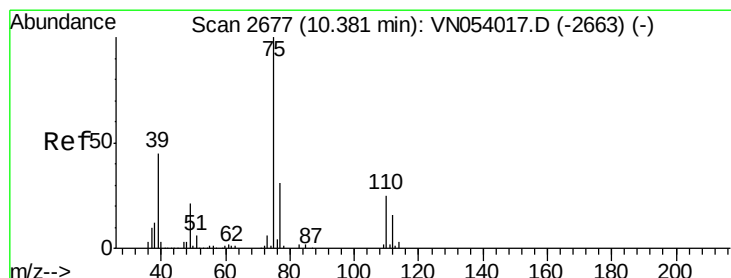
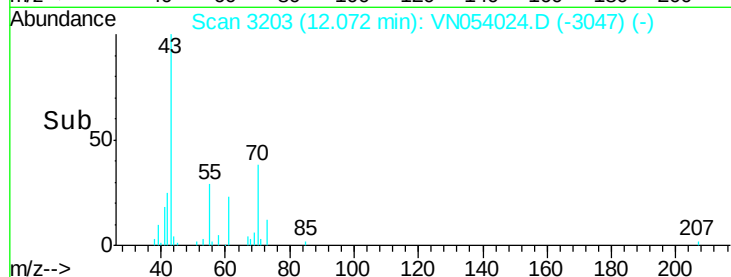
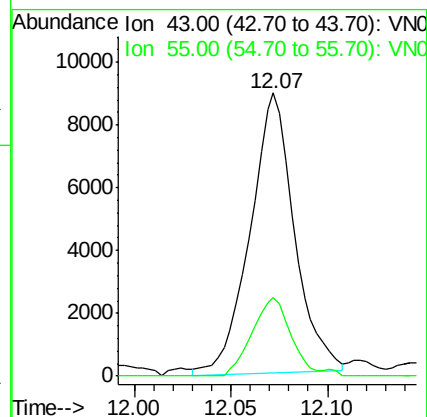
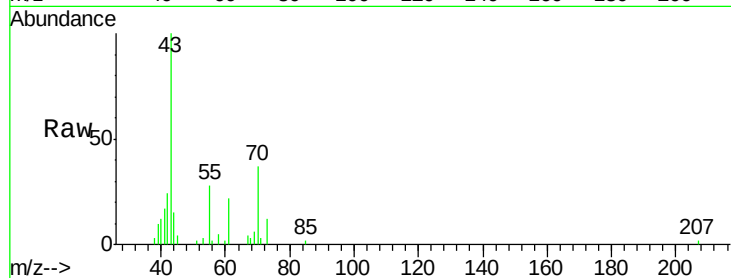
55 24.6 21.1 31.7

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#48

t-1,3-Dichloropropene

Concen: 2.307 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054024.D

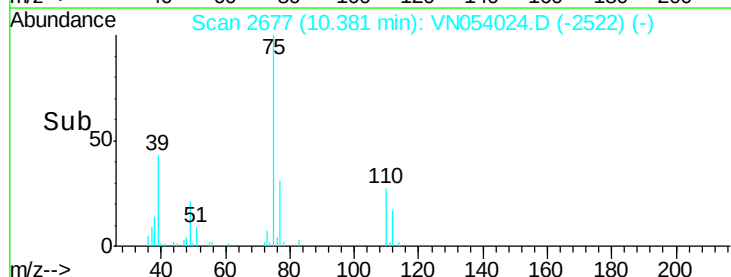
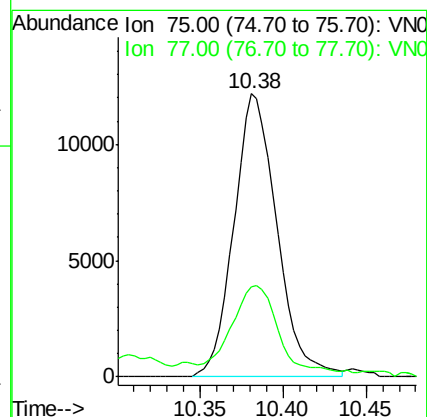
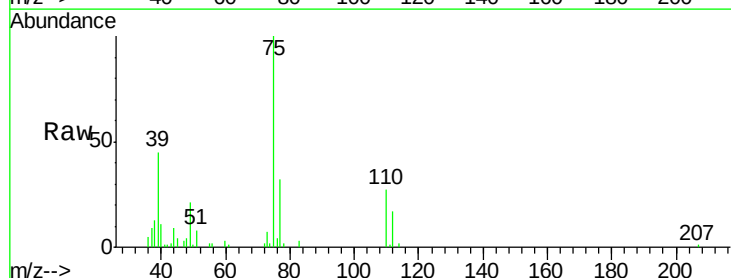
Acq: 1 Mar 2019 12:51

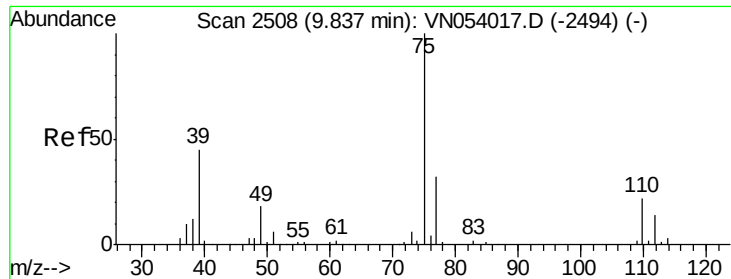
Tgt Ion: 75 Resp: 21975

Ion Ratio Lower Upper

75 100

77 29.6 25.6 38.4





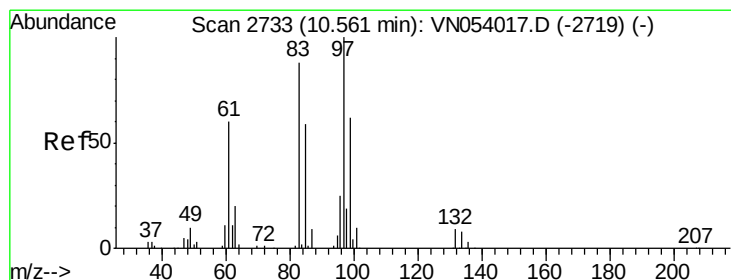
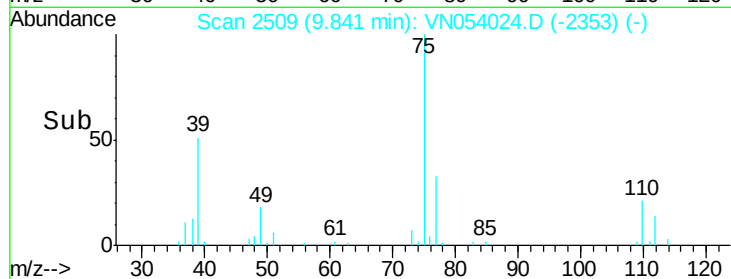
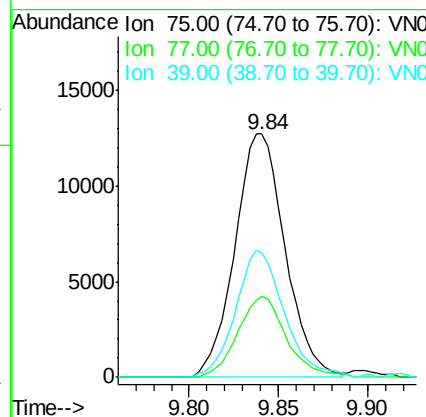
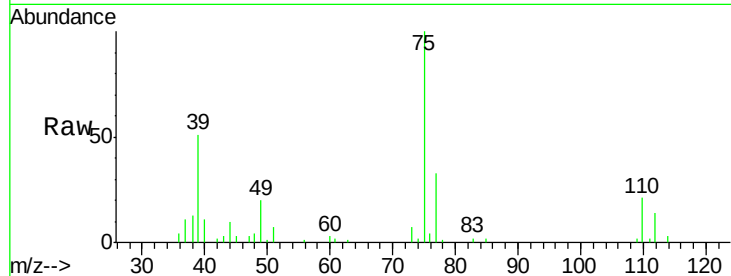
#49
 cis-1,3-Dichloropropene
 Concen: 2.233 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054024.D
 Acq: 1 Mar 2019 12:51

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.2	25.4	38.0
39	51.0	37.3	55.9

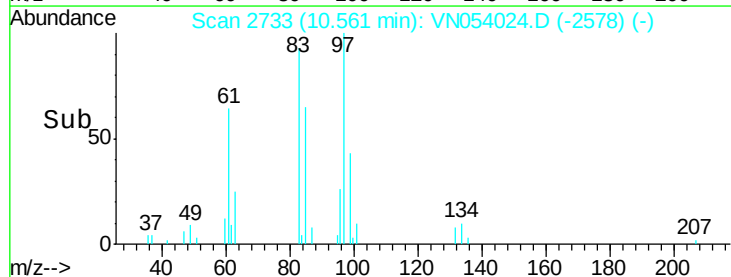
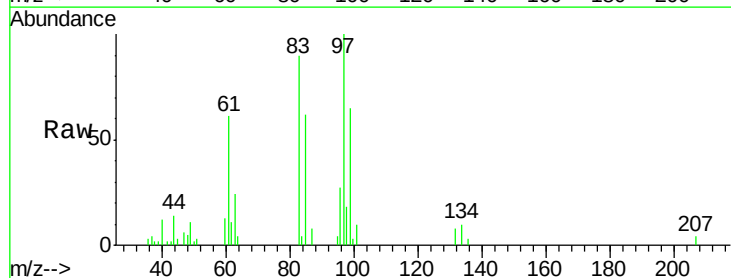
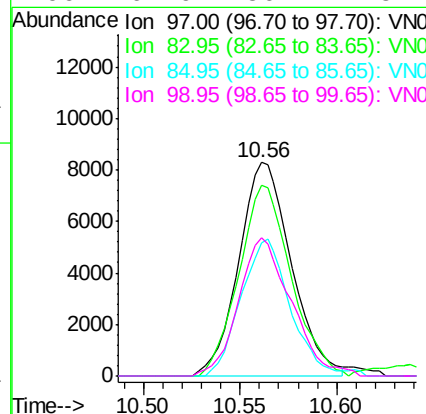
Manual Integrations
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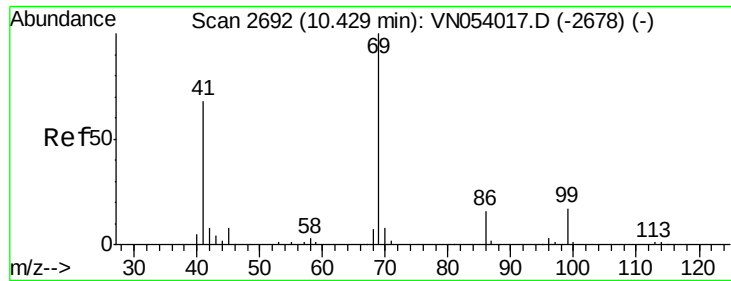
MMDadoda
 3/6/2019 10:23:39 AM



#50
 1,1,2-Trichloroethane
 Concen: 2.490 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054024.D
 Acq: 1 Mar 2019 12:51

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.6	70.4	105.6
85	62.4	45.0	67.6
99	64.9	50.2	75.2





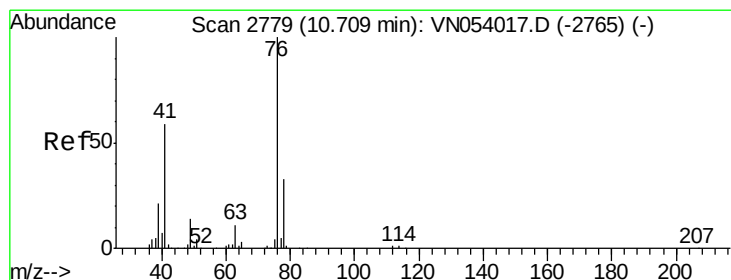
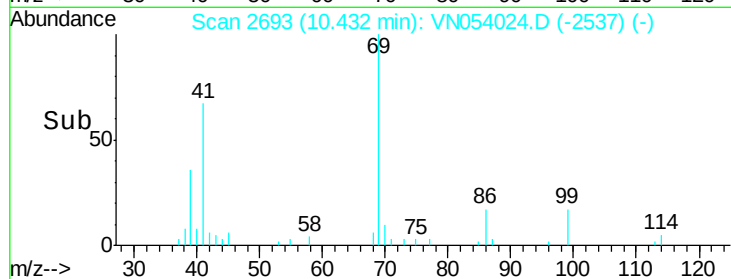
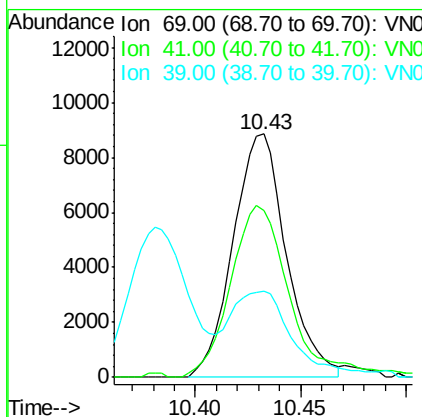
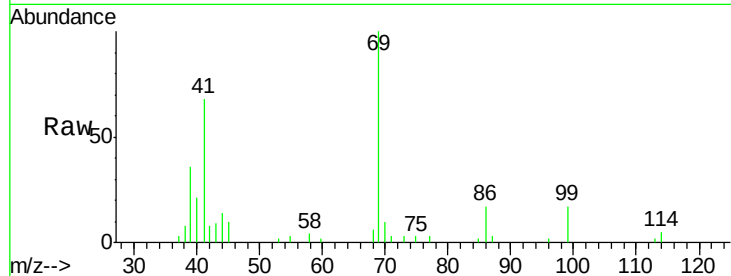
#51
Ethyl methacrylate
Concen: 2.057 ug/l
RT: 10.43 min Scan# 2693
Delta R.T. 0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

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

Tot Ion	Ratio	Lower	Upper
69	100		
41	66.6	34.4	103.3
39	31.6	16.4	49.2

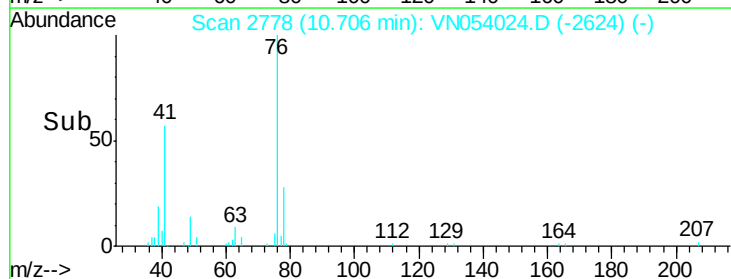
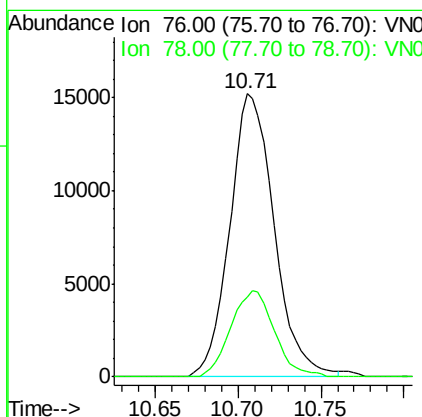
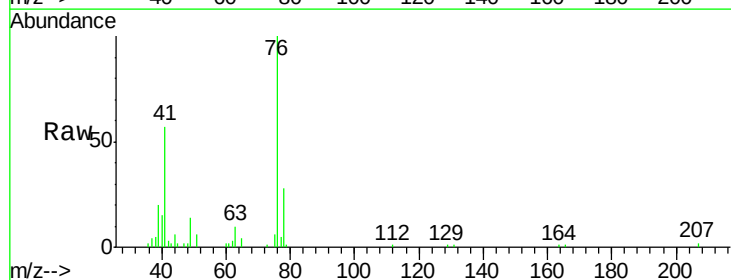
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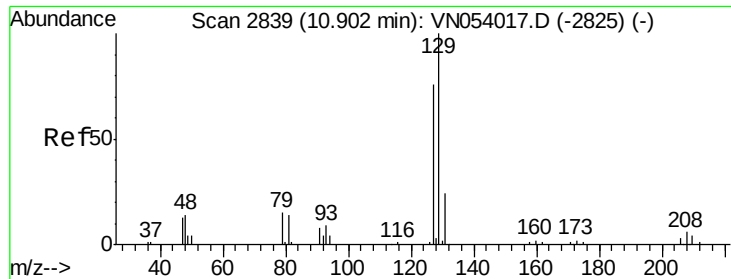
MMDadoda
3/6/2019 10:23:39 AM



#52
1,3-Dichloropropane
Concen: 2.627 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. -0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

Tgt Ion	Ratio	Lower	Upper
76	100		
78	29.9	0.0	64.8





#53

Dibromochloromethane

Concen: 2.371 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:129 Resp: 16360

Ion Ratio Lower Upper

129 100

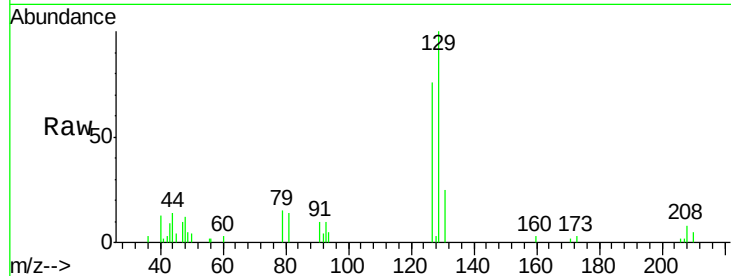
127 80.7 37.6 112.8

Manual Integrations

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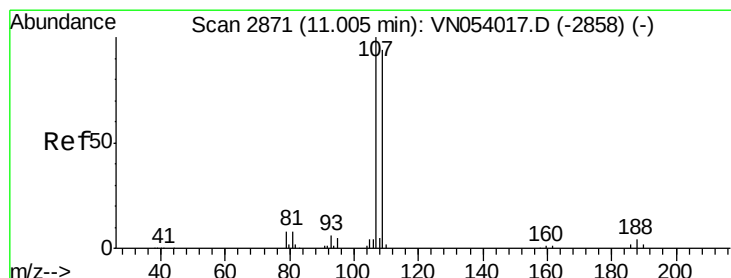
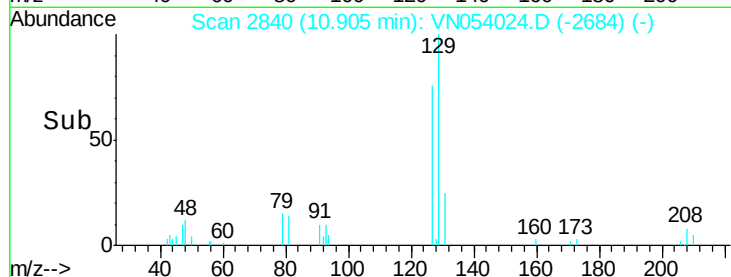
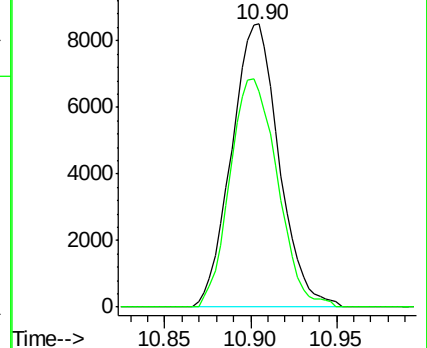
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 2.374 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054024.D

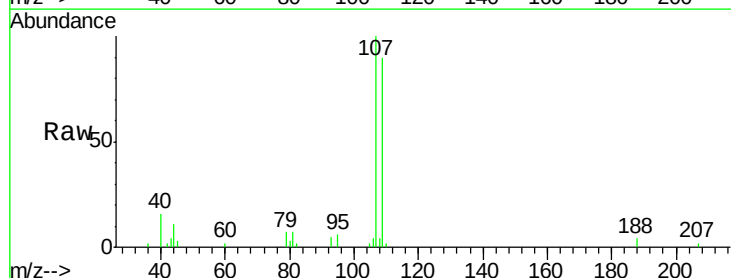
Acq: 1 Mar 2019 12:51

Tgt Ion:107 Resp: 14199

Ion Ratio Lower Upper

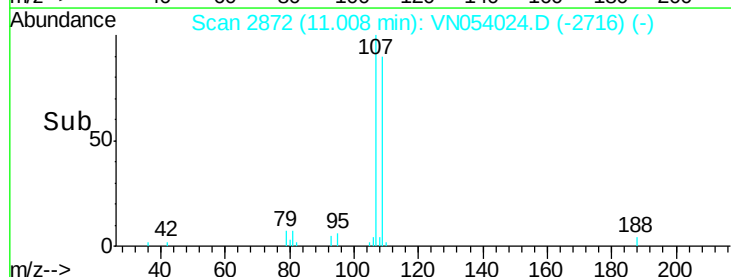
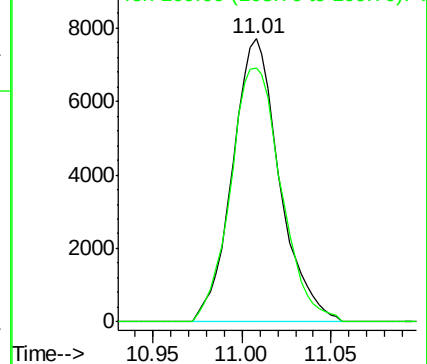
107 100

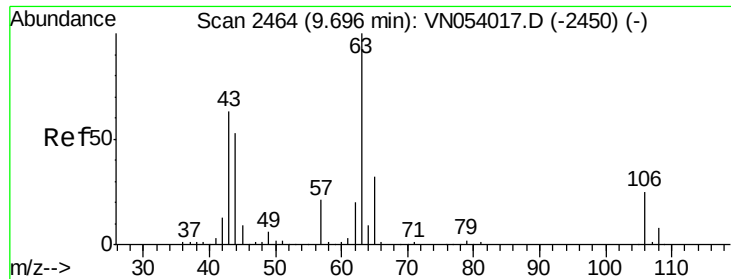
109 96.1 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





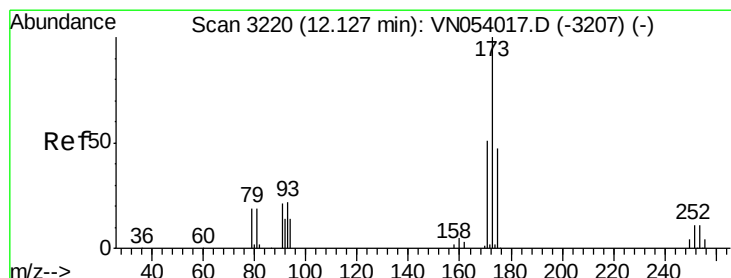
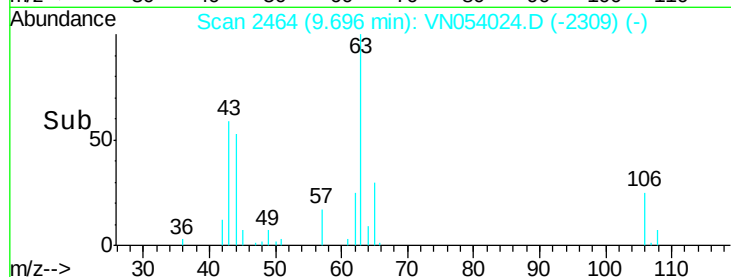
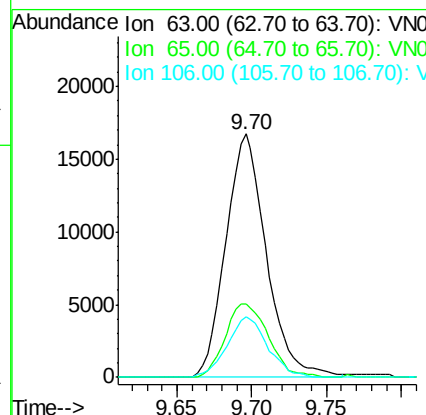
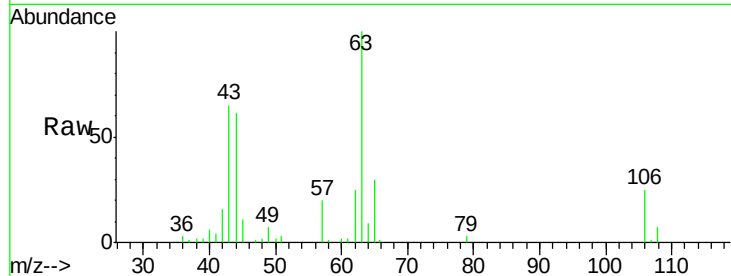
#55
2-Chloroethyl vinyl ether
Concen: 8.998 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

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

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.4	38.2
106	24.8	20.4	30.6

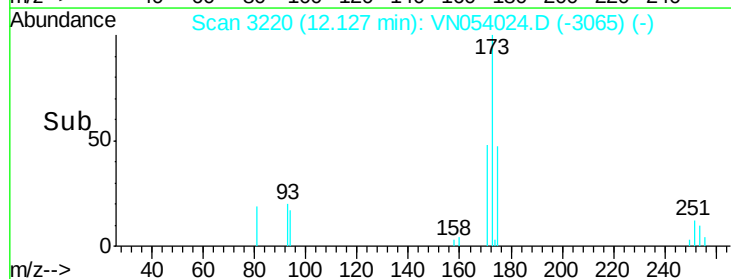
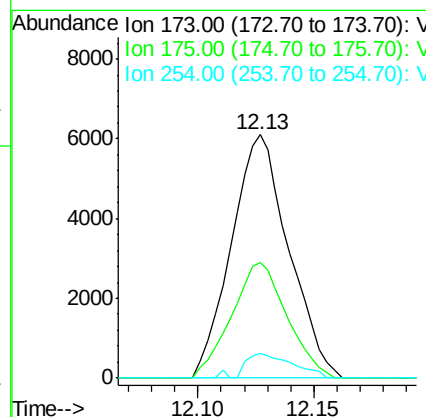
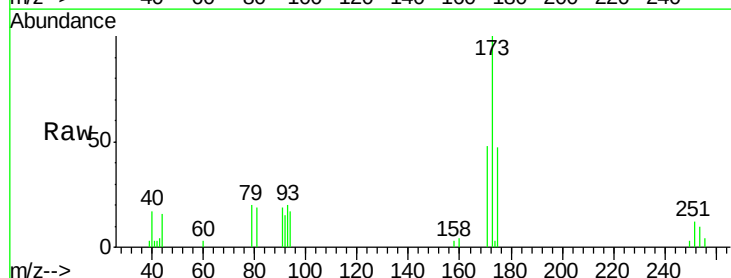
Manual Integrations
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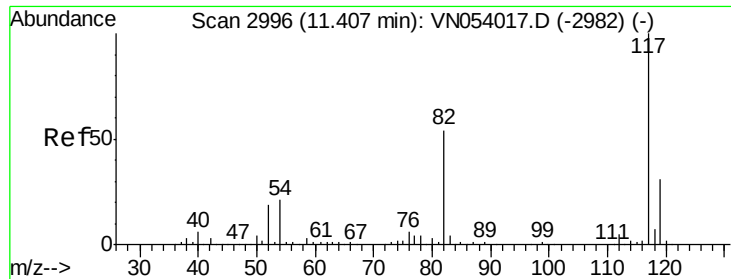
MMDadoda
3/6/2019 10:23:39 AM



#56
Bromoform
Concen: 2.282 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.0	38.7	58.1
254	8.1	8.4	12.6





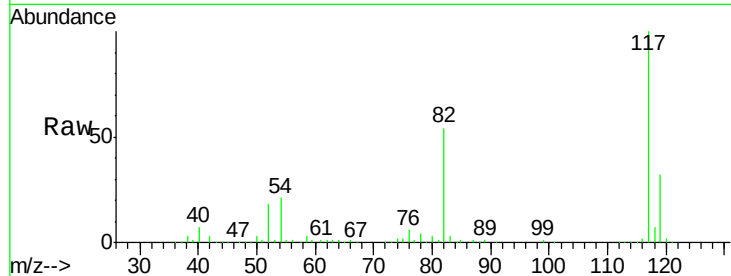
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

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

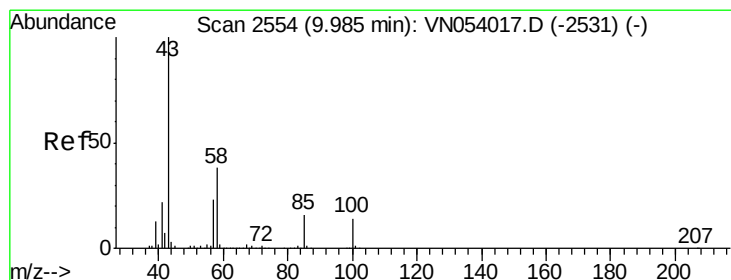
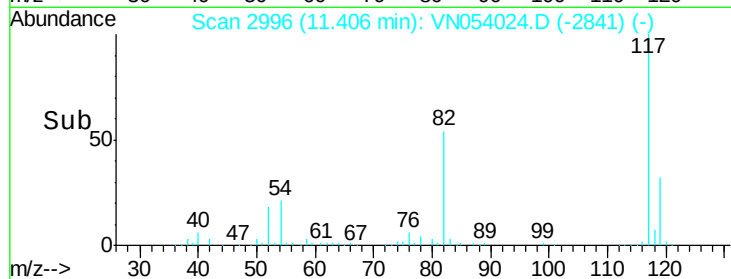
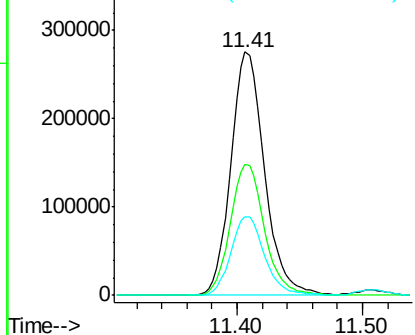
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.2	66.2
119	32.3	25.4	38.2

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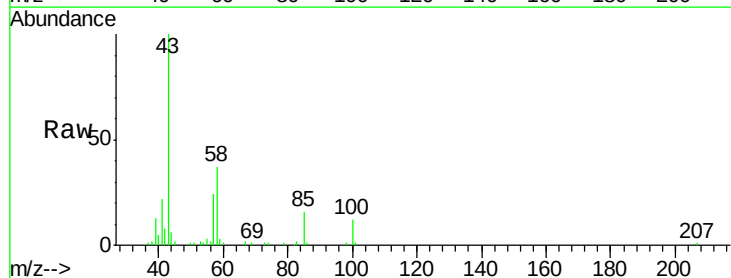


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

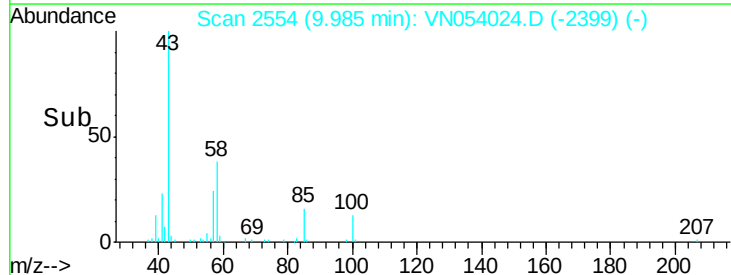
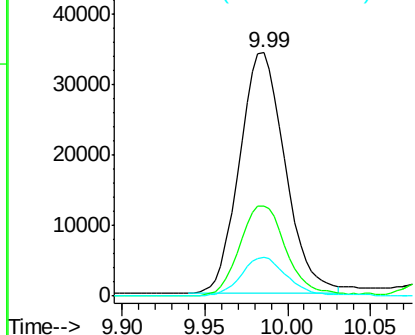


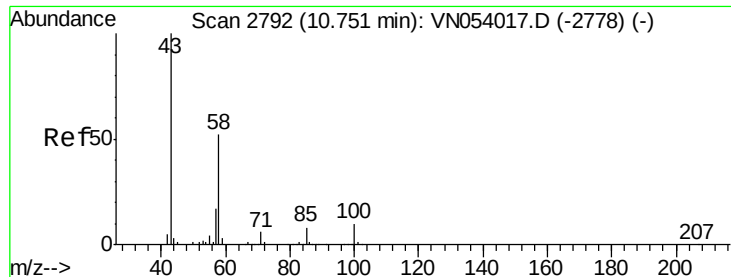
#58
4-Methyl-2-Pentanone
Concen: 11.254 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.8	31.6	47.4
85	16.4	13.3	19.9



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN





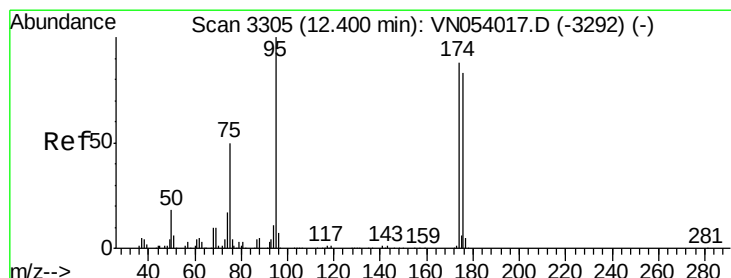
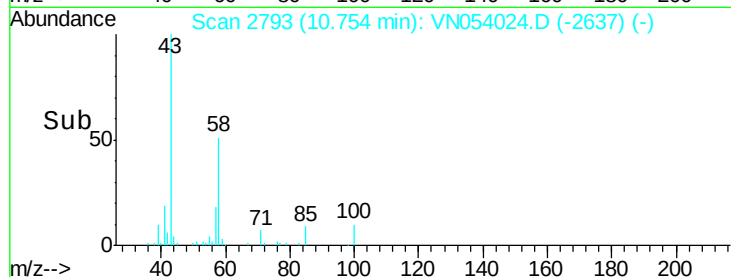
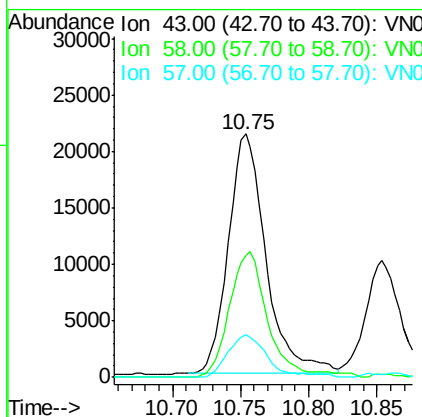
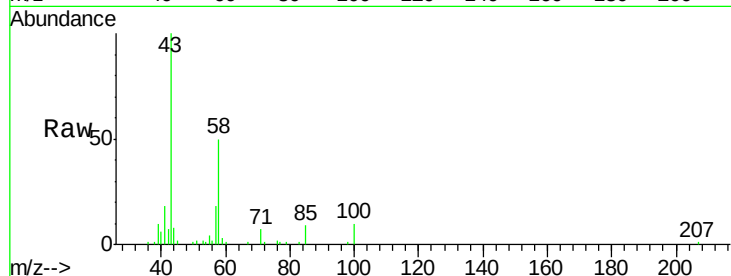
#59
2-Hexanone
Concen: 10.771 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.7	43.2	64.8
57	17.7	14.9	22.3

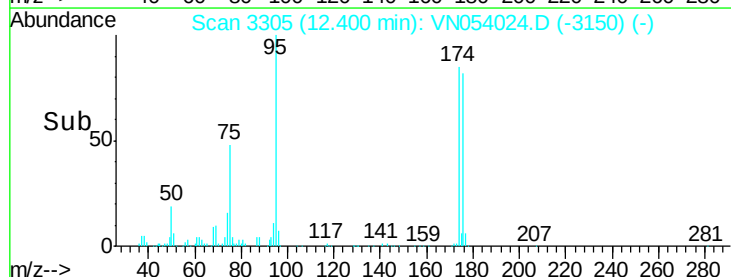
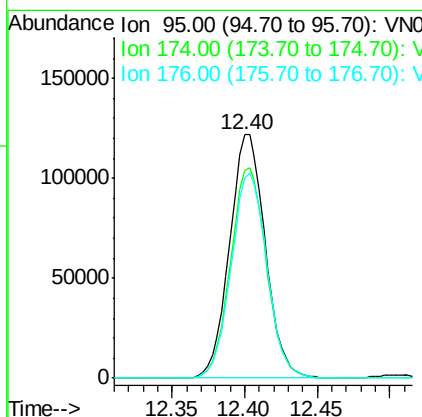
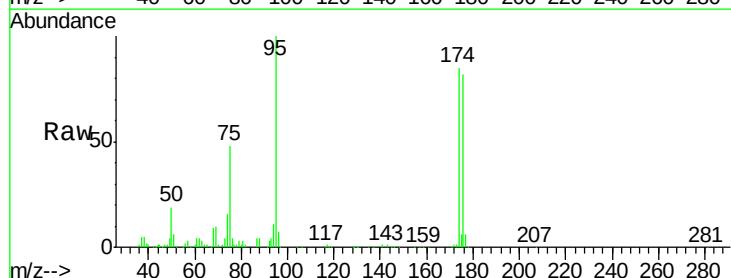
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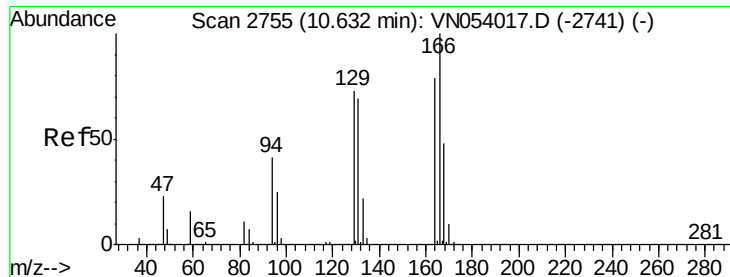
MMDadoda
3/6/2019 10:23:39 AM



#60
4-Bromofluorobenzene
Concen: 10.771 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.6	67.9	101.9
176	84.3	66.4	99.6





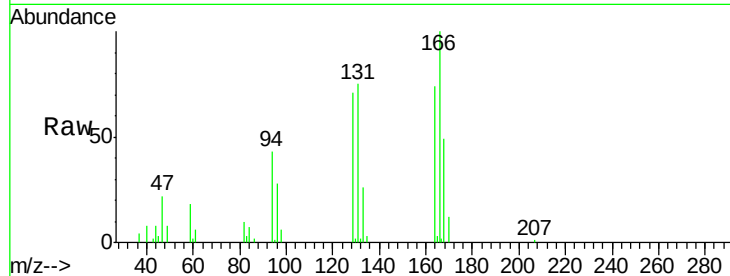
#61
Tetrachloroethene
Concen: 2.610 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

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

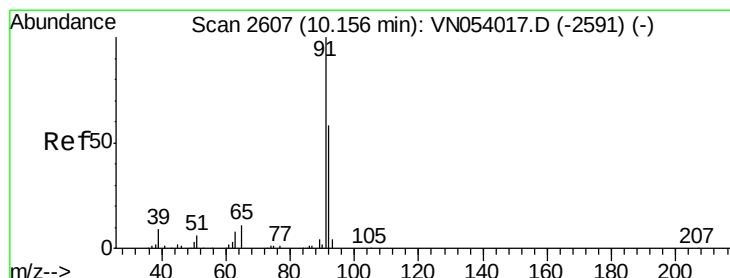
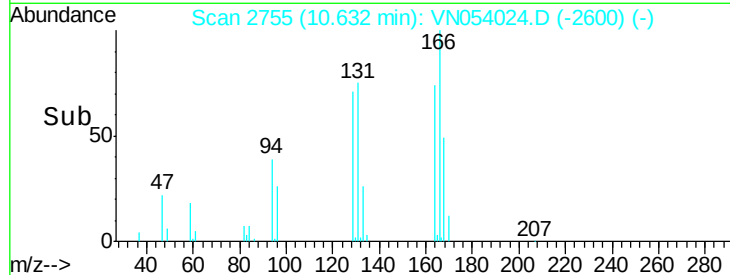
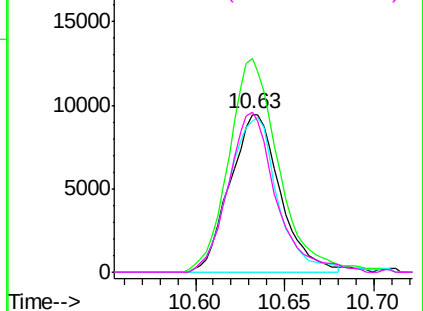
Tot Ion	Ratio	Lower	Upper
164	100		
166	133.3	104.6	157.0
129	95.8	75.3	112.9
131	101.6	74.3	111.5

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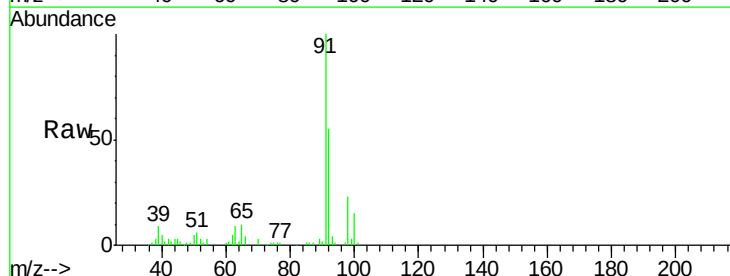


Abundance Ion 163.85 (163.55 to 164.55): V
20000
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

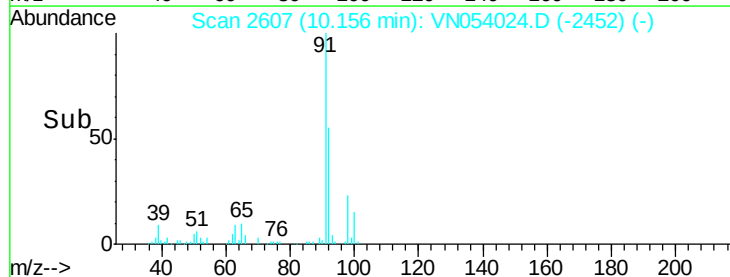
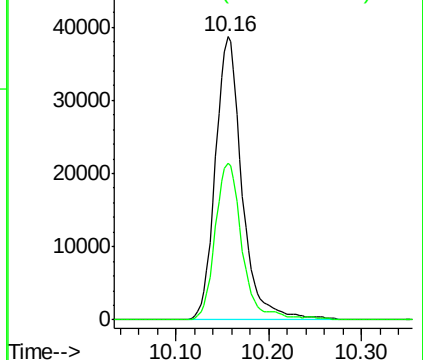


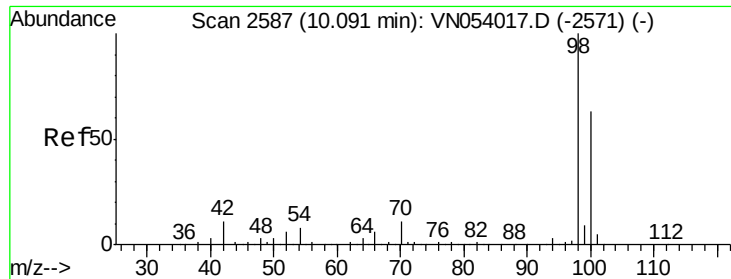
#62
Toluene
Concen: 2.693 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.9	45.4	68.2



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





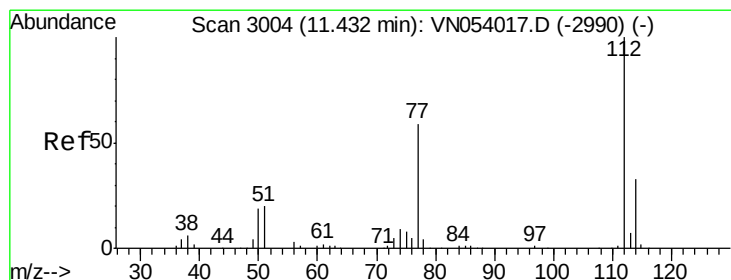
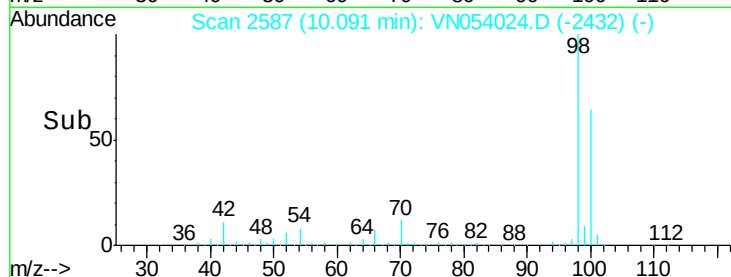
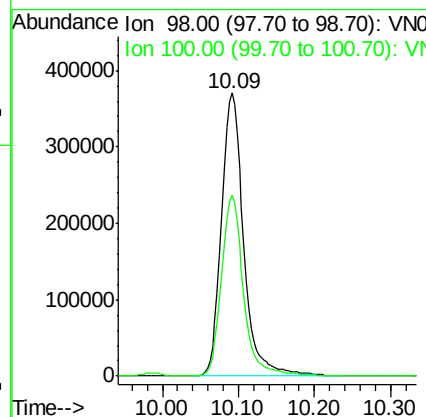
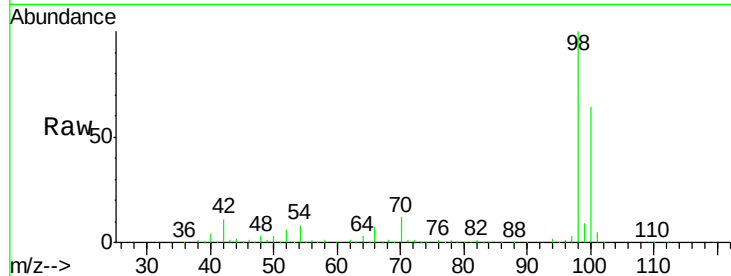
#63
Toluene-d8
Concen: 2.693 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

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

Tot Ion: 98 Resp: 751423
Ion Ratio Lower Upper
98 100
100 62.5 51.1 76.7

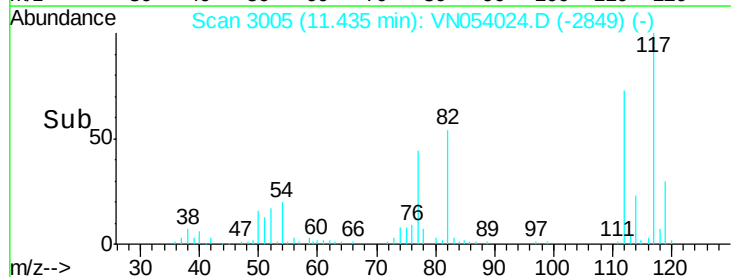
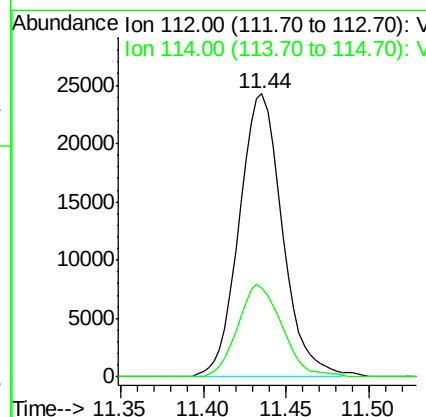
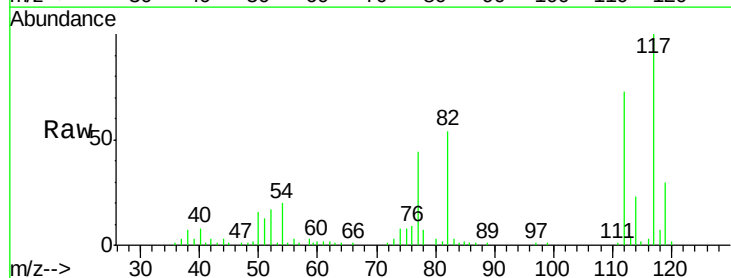
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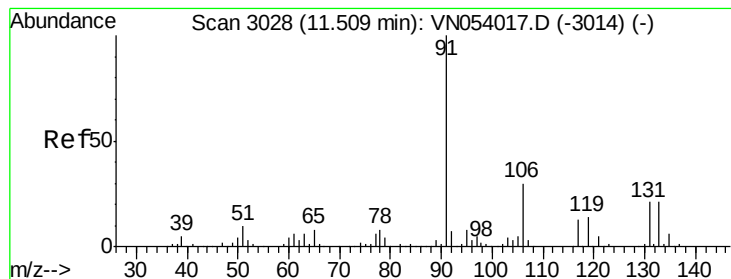
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#64
Chlorobenzene
Concen: 2.524 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

Tgt Ion: 112 Resp: 44083
Ion Ratio Lower Upper
112 100
114 31.4 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 2.620 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Instrument :

MSVOA_N

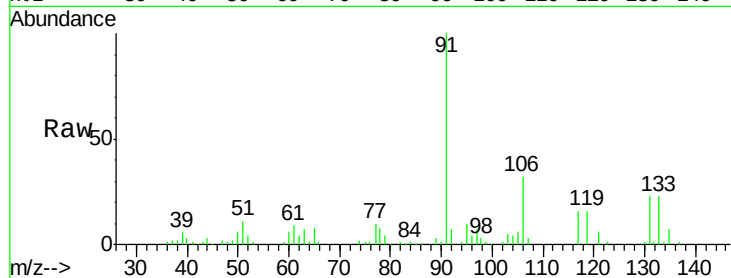
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Resp	Lower	Upper
131	100	16801		
133	95.6	0.0	193.4	
119	65.9	0.0	133.0	

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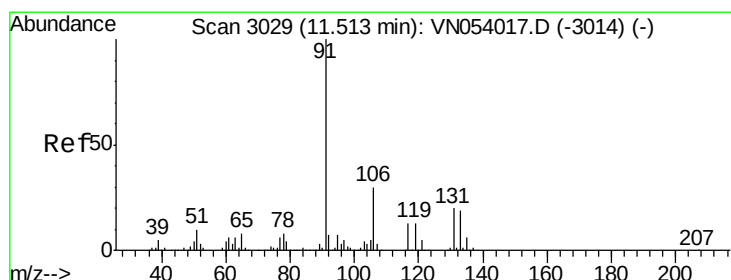
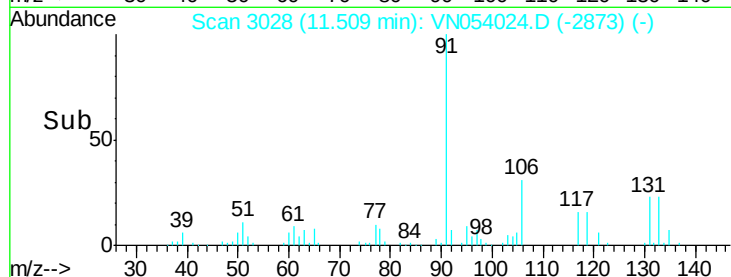
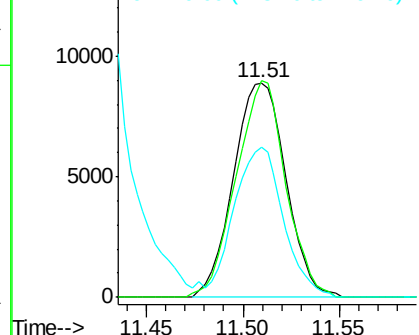
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Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 2.419 ug/l

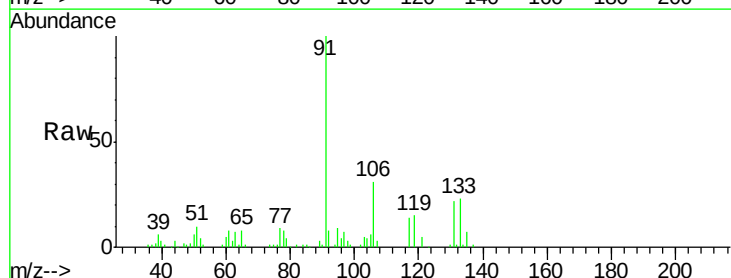
RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN054024.D

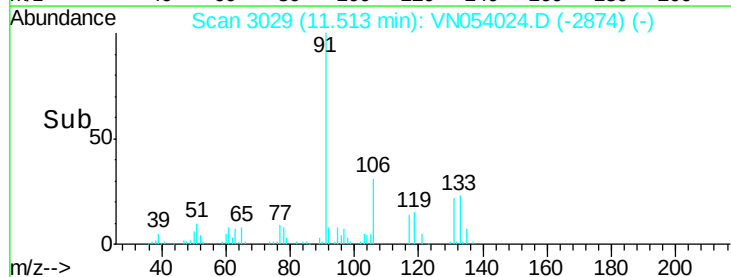
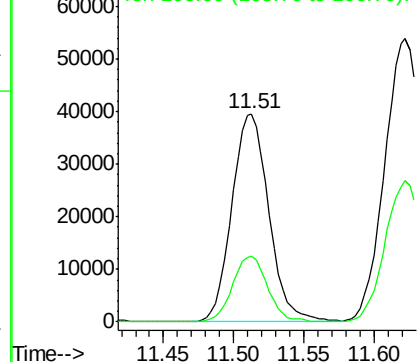
Acq: 1 Mar 2019 12:51

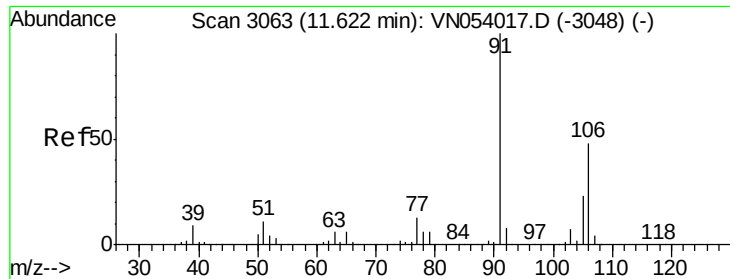
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	72525		
106	31.5	24.3	36.5	



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 4.702 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:106 Resp: 53065

Ion Ratio Lower Upper

106 100

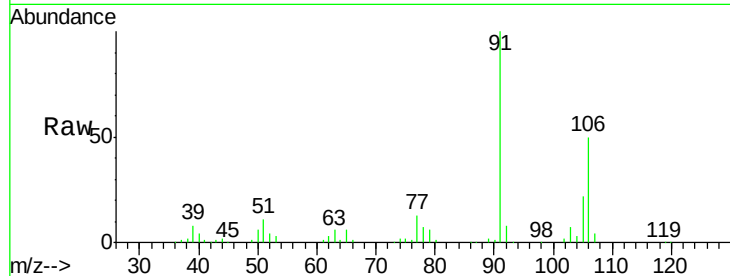
91 203.6 163.9 245.9

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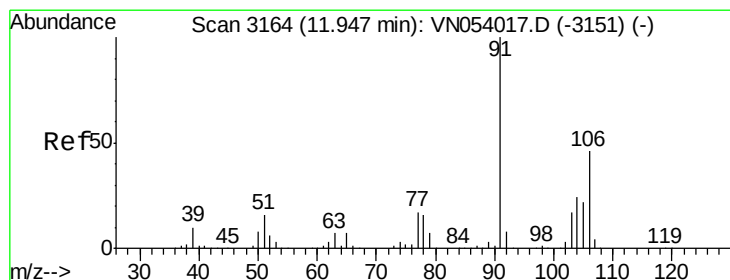
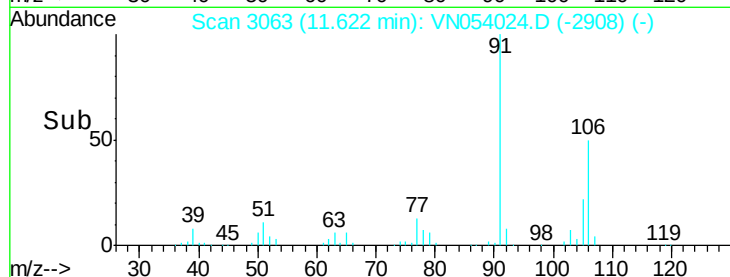
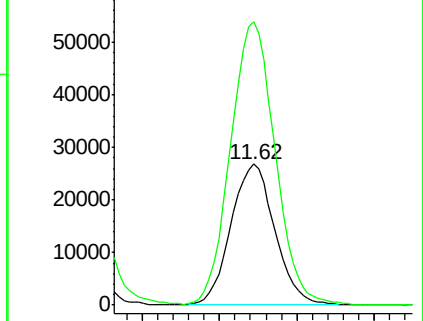
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 2.361 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN054024.D

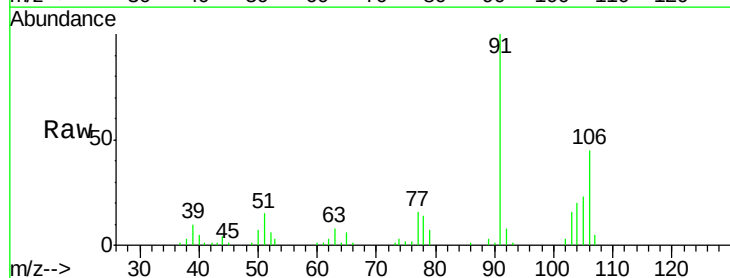
Acq: 1 Mar 2019 12:51

Tgt Ion:106 Resp: 25836

Ion Ratio Lower Upper

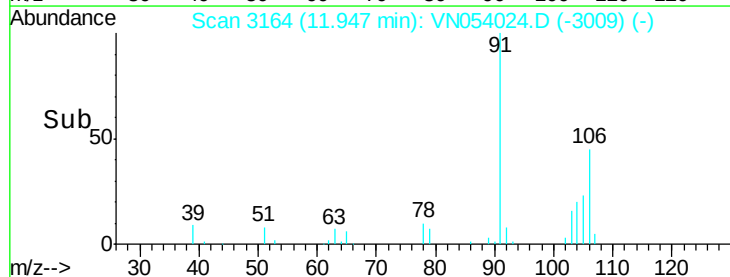
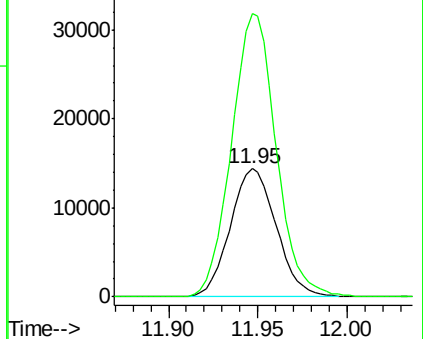
106 100

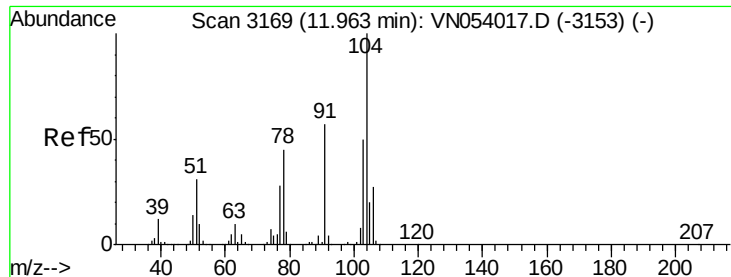
91 214.6 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





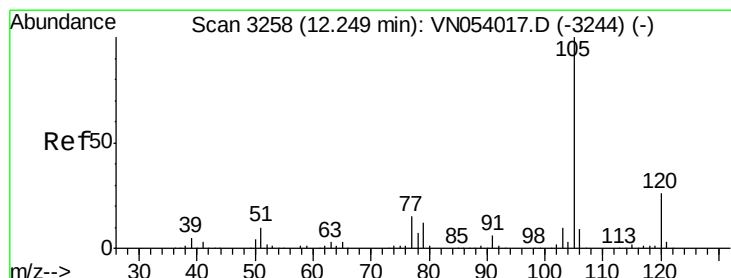
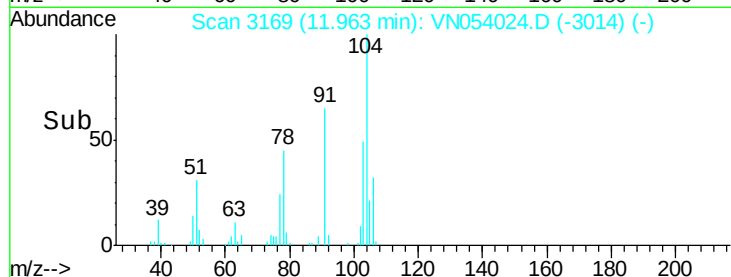
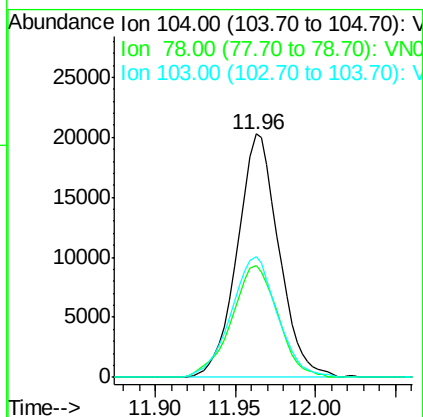
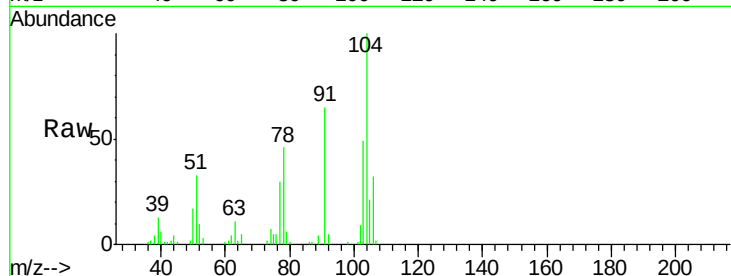
#69
Stvrene
Concen: 2.077 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

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

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.1	39.3	58.9
103	55.0	44.6	66.8

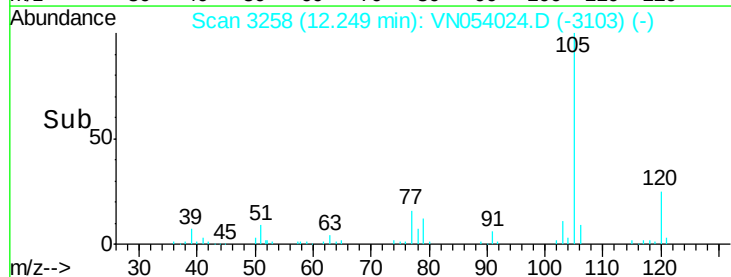
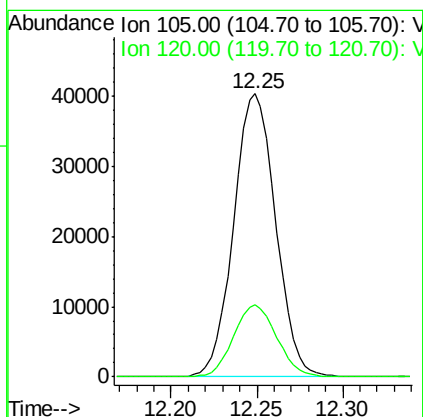
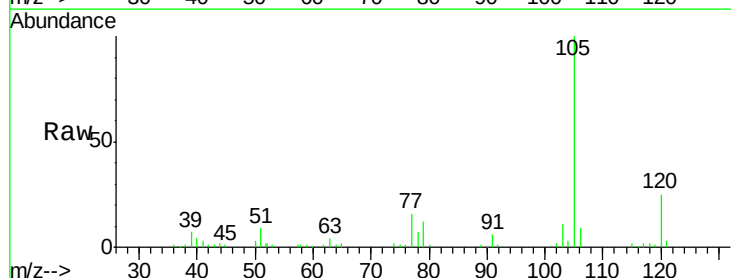
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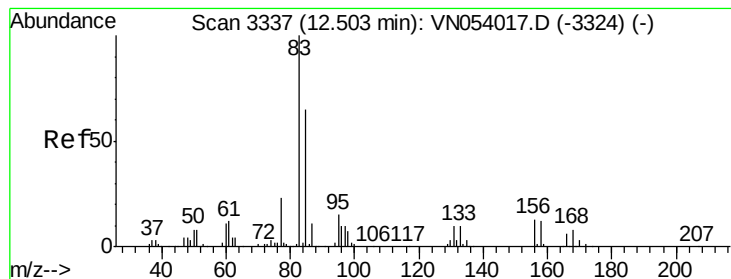
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#70
Isopropylbenzene
Concen: 2.388 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	18.6	34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 2.544 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Instrument :

MSVOA_N

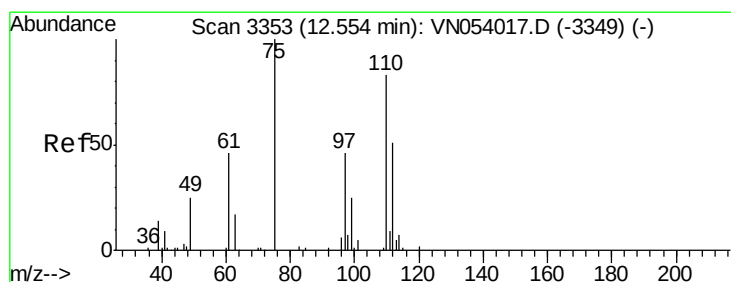
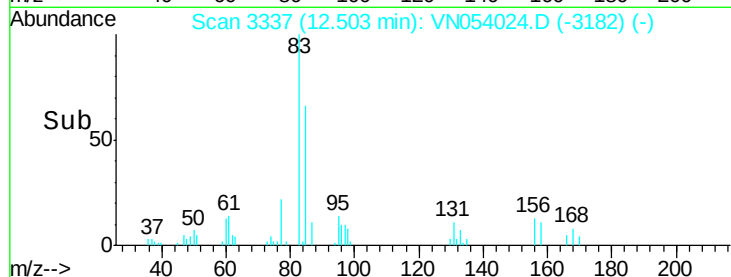
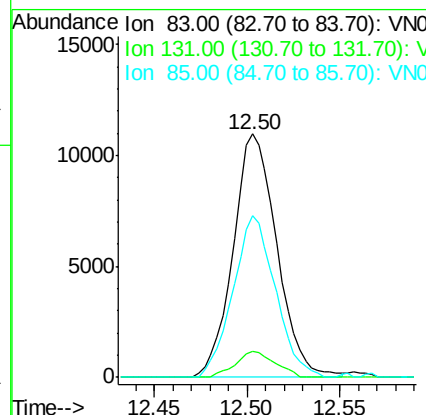
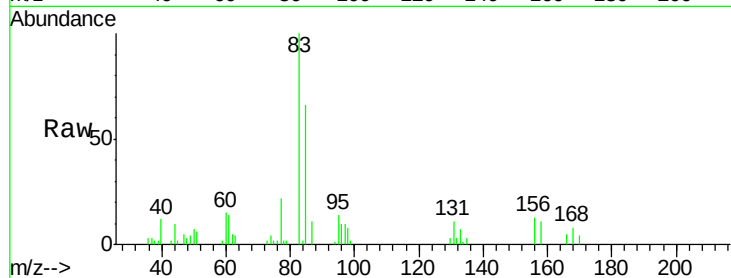
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	83	Resp:	18030
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.6
85	64.1	32.2	96.6

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#72

1,2,3-Trichloropropane

Concen: 2.776 ug/l m

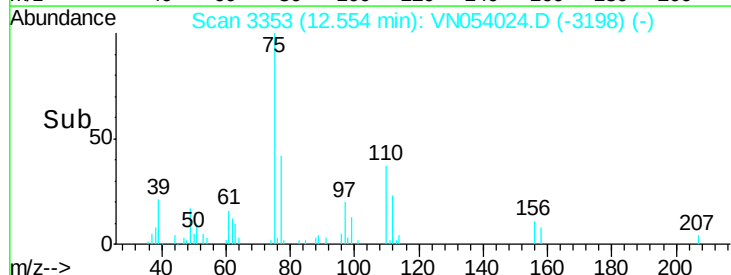
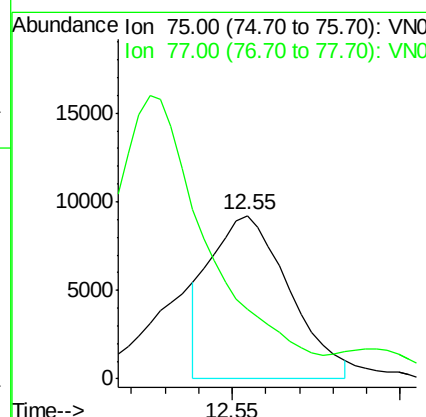
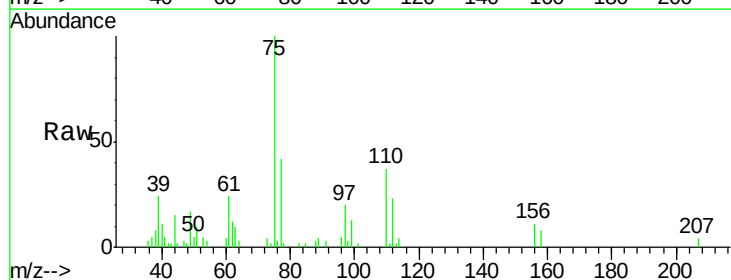
RT: 12.55 min Scan# 3353

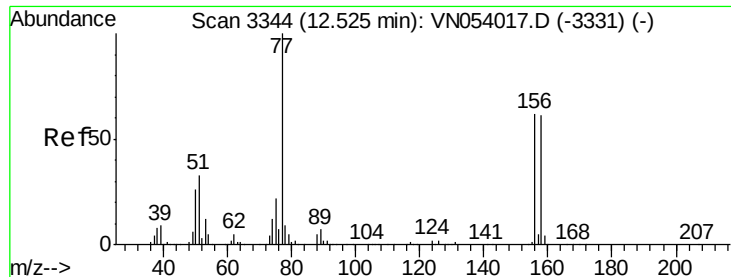
Delta R.T. -0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Tgt Ion:	75	Resp:	14940
Ion Ratio	Lower	Upper	
75	100		
77	221.8	0.0	514.8





#73

Bromobenzene

Concen: 2.401 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Instrument :

MSVOA_N

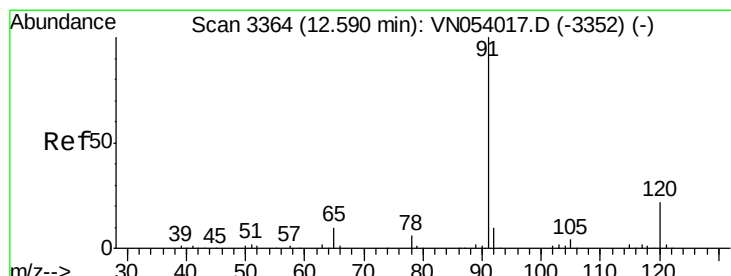
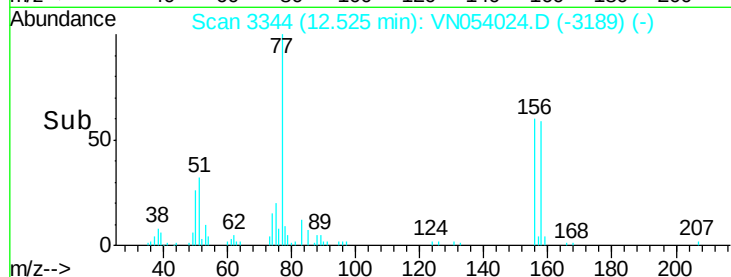
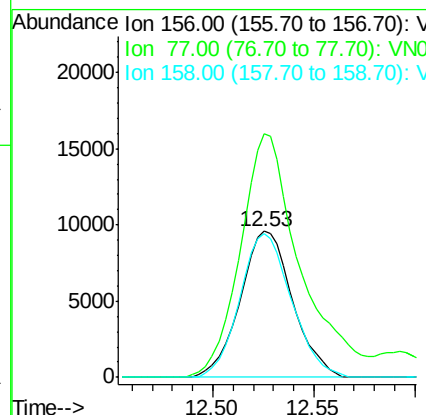
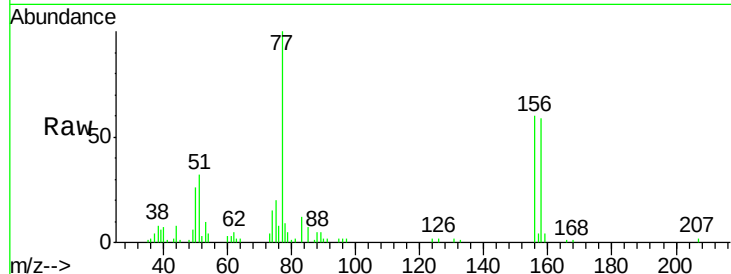
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		17382		
77	190.6	0.0	382.6		
158	97.2	0.0	196.8		

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#74

n-propylbenzene

Concen: 2.233 ug/l

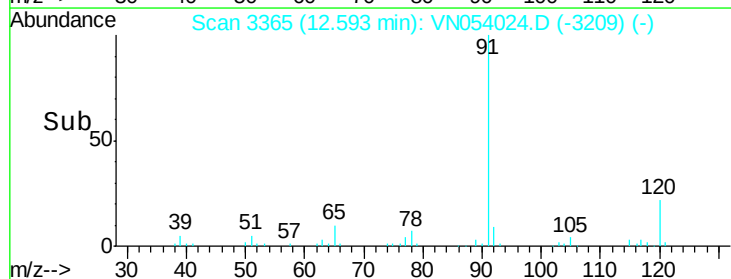
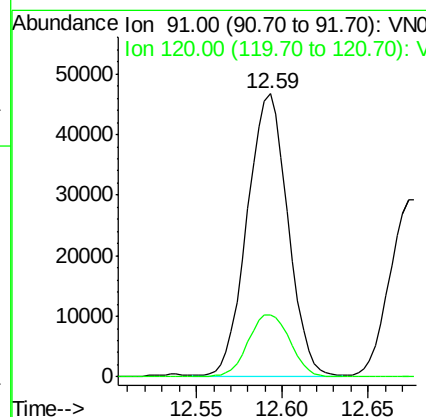
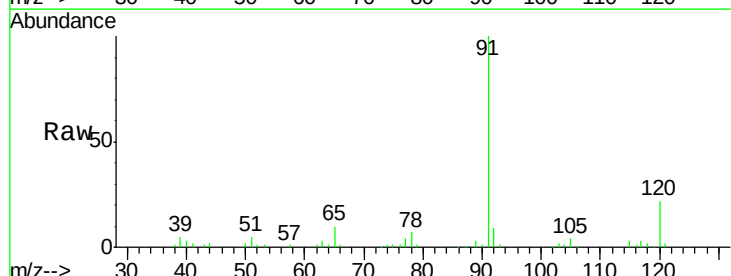
RT: 12.59 min Scan# 3365

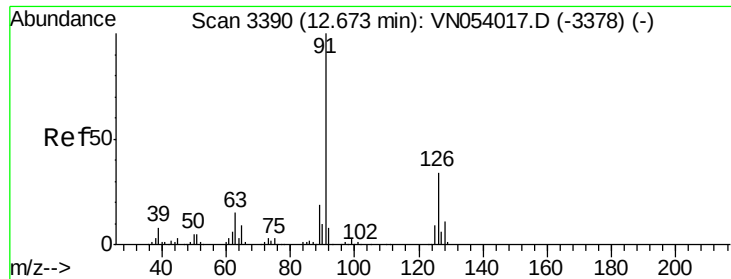
Delta R.T. 0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		76360		
120	22.8	0.0	44.6		





#75

2-Chlorotoluene

Concen: 2.458 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Instrument :

MSVOA_N

ClientSampled :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 91 Resp: 49216

Ion Ratio Lower Upper

91 100

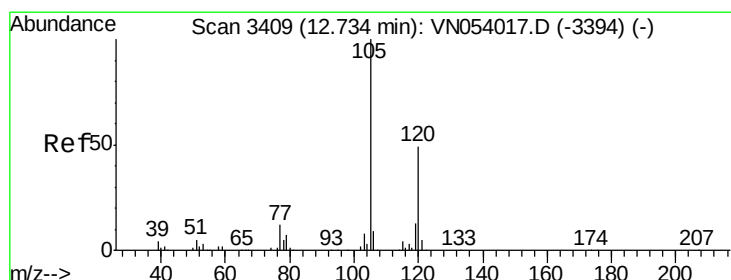
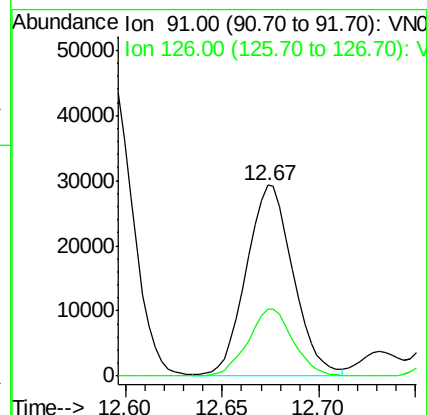
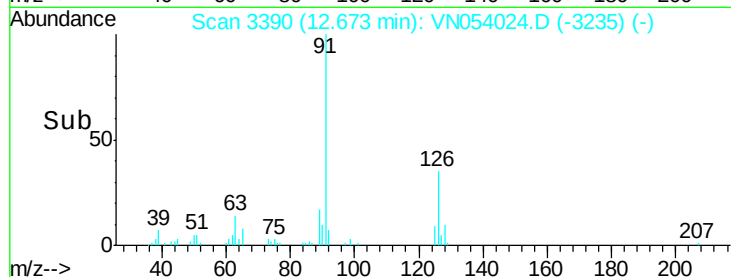
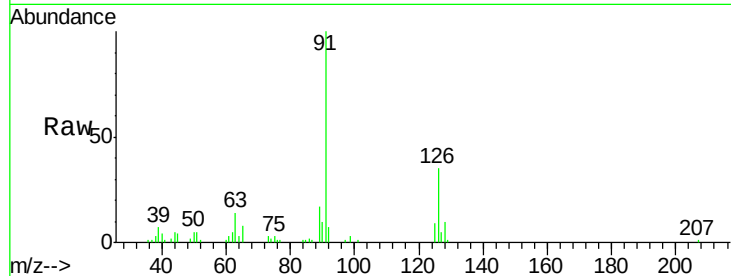
126 34.0 0.0 68.4

Manual Integrations

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3/6/2019 10:23:39 AM



#76

1,3,5-Trimethylbenzene

Concen: 2.226 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054024.D

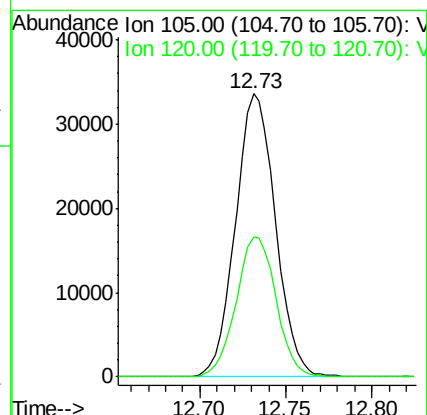
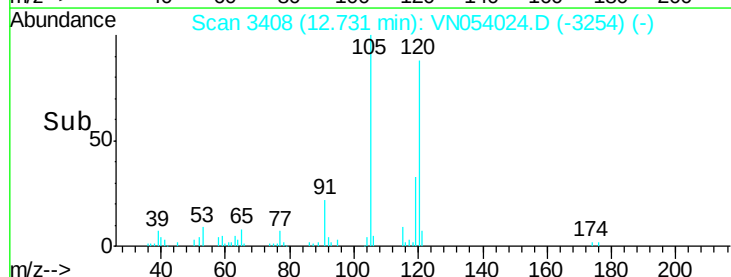
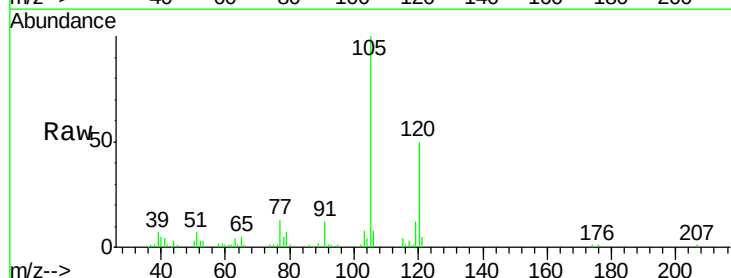
Acq: 1 Mar 2019 12:51

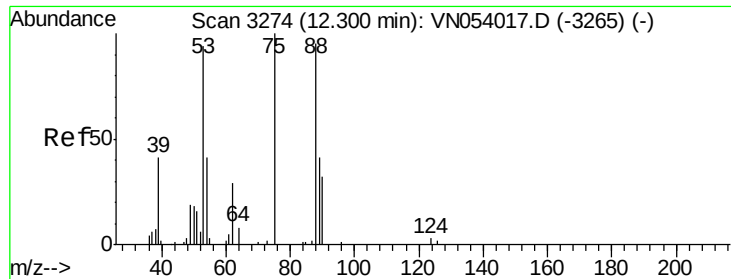
Tgt Ion: 105 Resp: 54157

Ion Ratio Lower Upper

105 100

120 49.4 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 1.939 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Instrument :

MSVOA_N

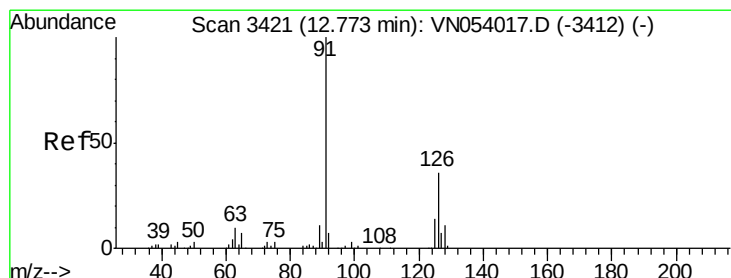
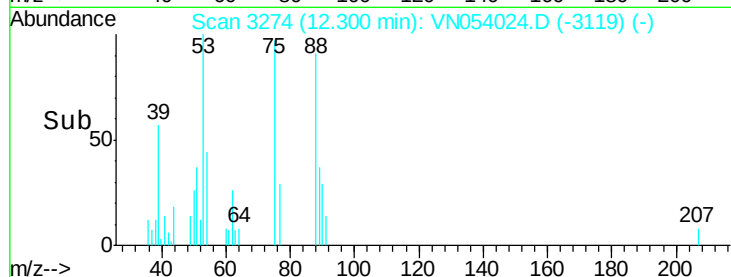
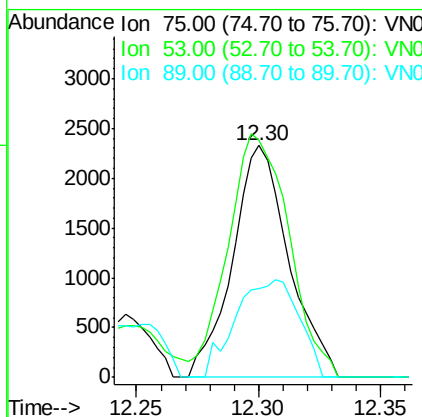
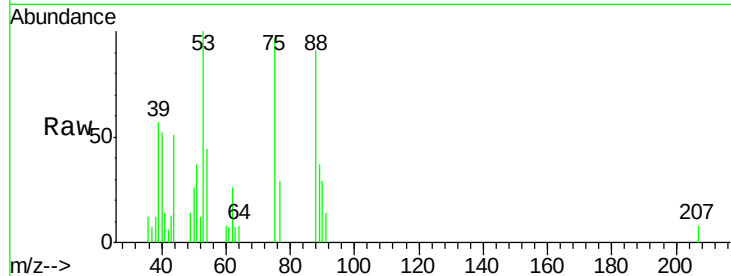
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	75	Resp:	3714
Ion	Ratio	Lower	Upper
75	100		
53	102.7	48.5	145.6
89	38.4	21.7	65.1

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#78

4-Chlorotoluene

Concen: 2.166 ug/l

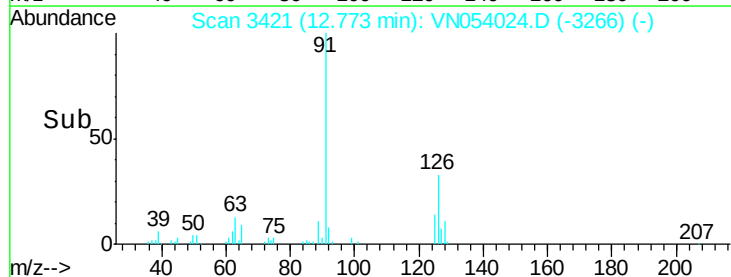
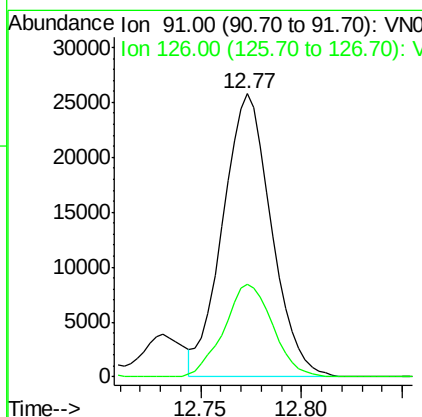
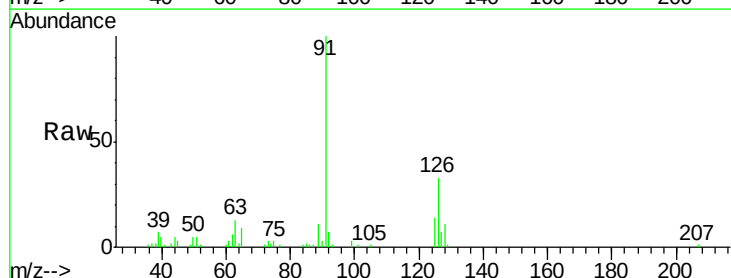
RT: 12.77 min Scan# 3421

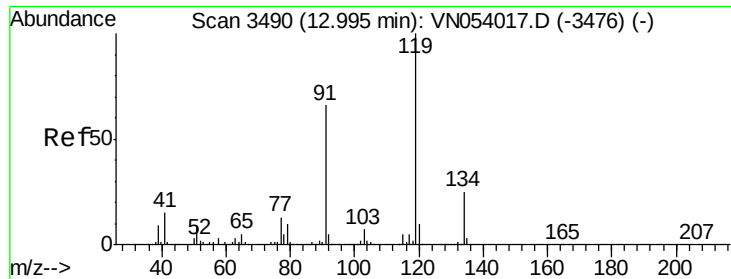
Delta R.T. -0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Tgt Ion:	91	Resp:	43405
Ion	Ratio	Lower	Upper
91	100		
126	32.9	0.0	68.2





#79

tert-butylbenzene

Concen: 2.407 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Instrument :

MSVOA_N

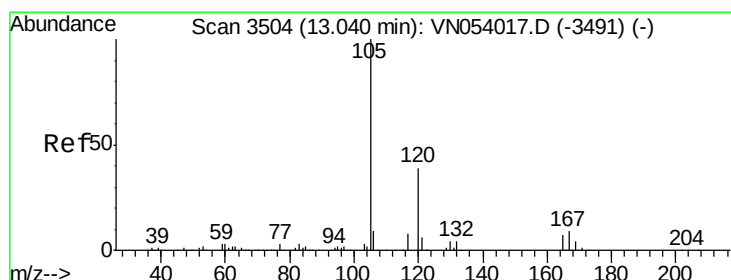
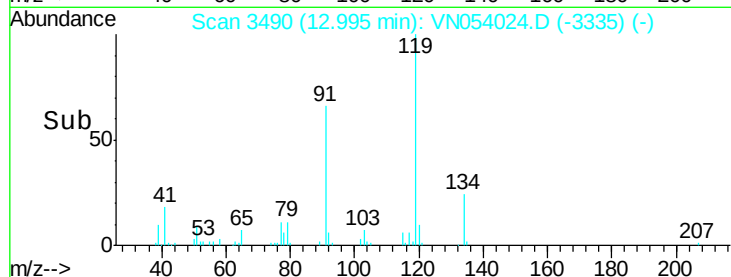
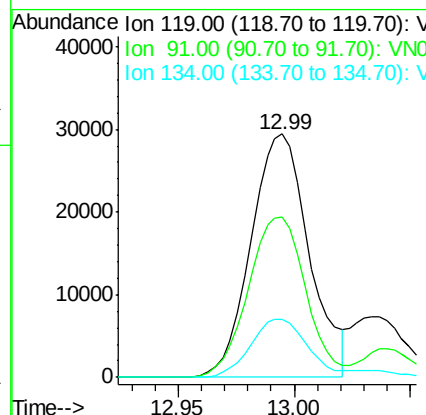
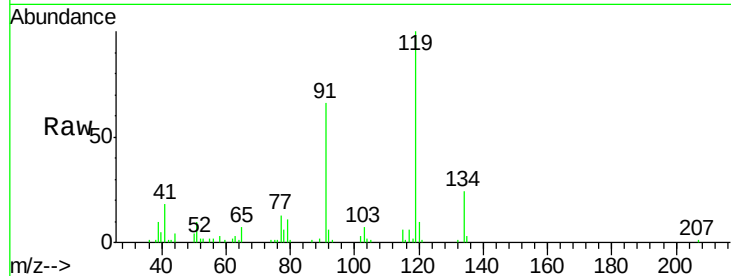
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	119	Resp:	51301
Ion	Ratio	Lower	Upper
119	100		
91	65.5	0.0	129.8
134	23.2	0.0	52.2

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3/6/2019 10:23:39 AM



#80

1,2,4-Trimethylbenzene

Concen: 2.068 ug/l

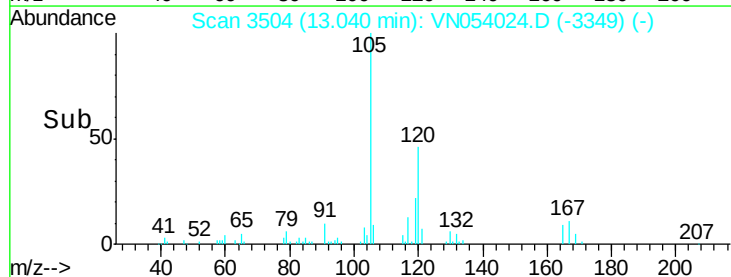
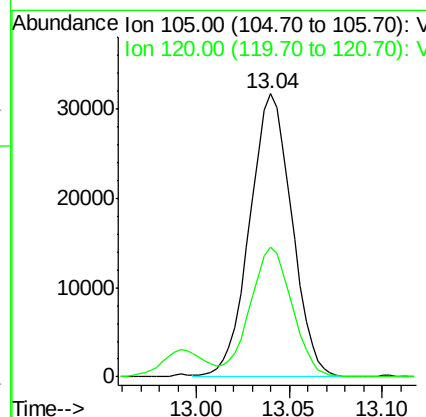
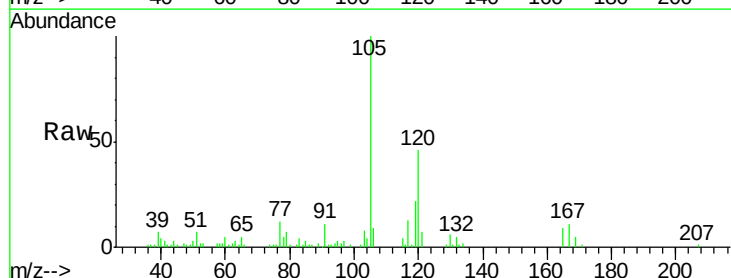
RT: 13.04 min Scan# 3504

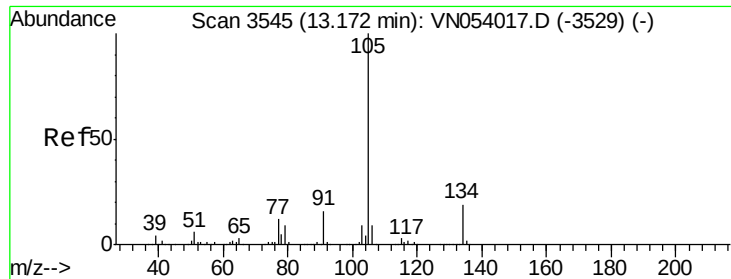
Delta R.T. -0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Tgt Ion:	105	Resp:	50075
Ion	Ratio	Lower	Upper
105	100		
120	45.7	0.0	91.0





#81

sec-Butylbenzene

Concen: 2.212 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:105 Resp: 64674

Ion Ratio Lower Upper

105 100

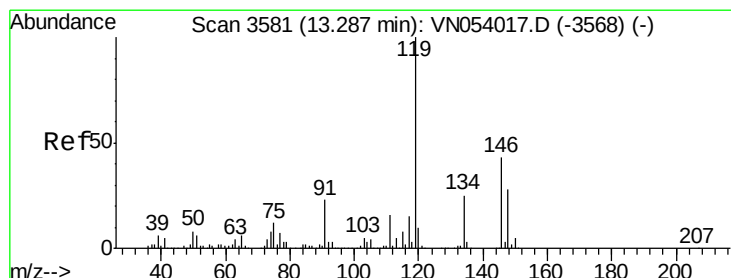
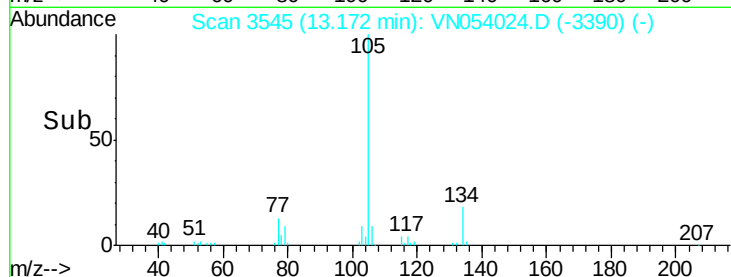
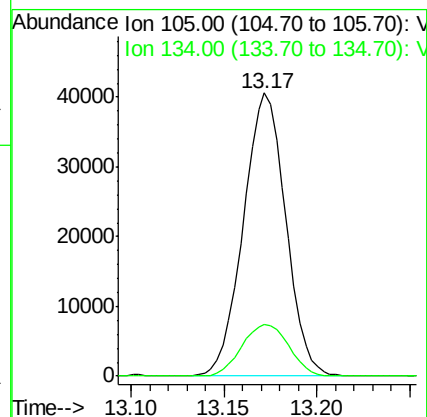
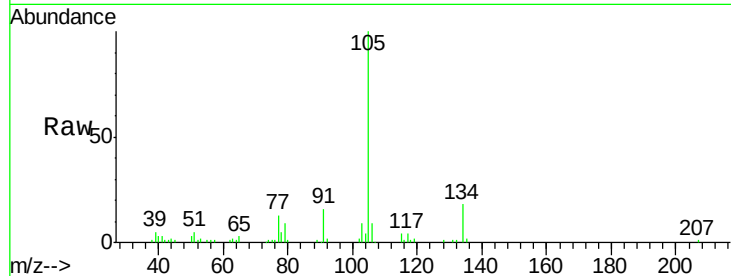
134 20.2 0.0 40.4

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 2.100 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

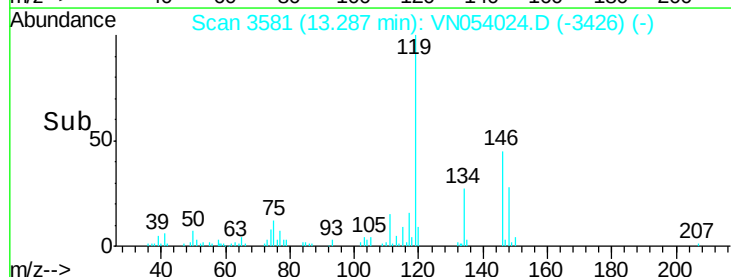
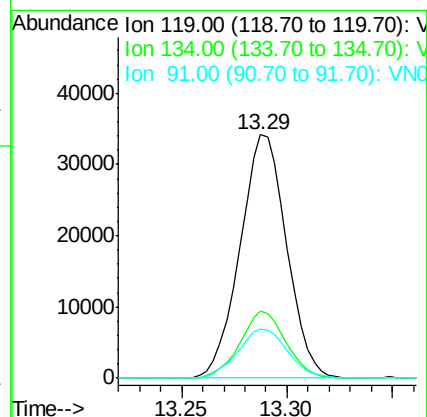
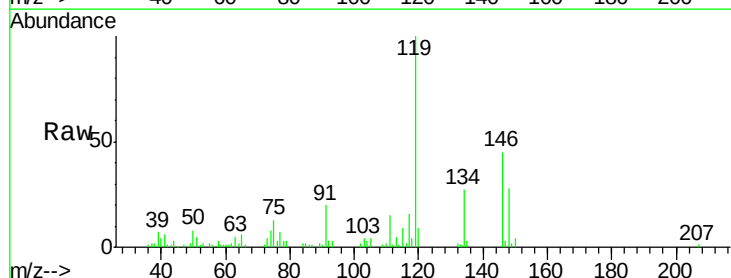
Tgt Ion:119 Resp: 52427

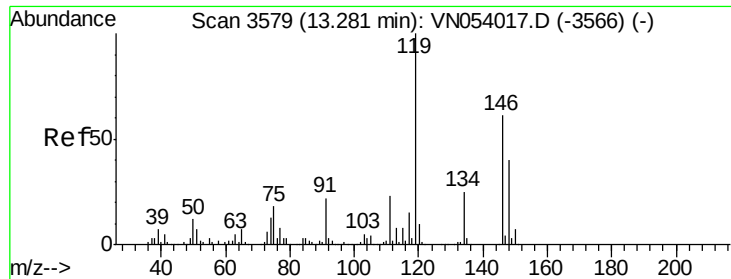
Ion Ratio Lower Upper

119 100

134 26.9 0.0 52.6

91 21.3 0.0 46.2





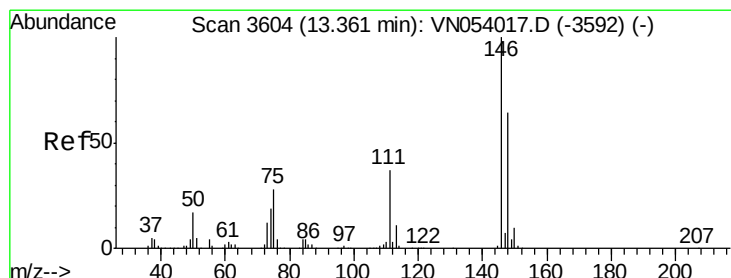
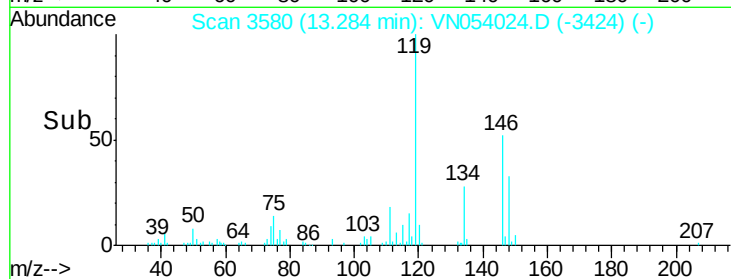
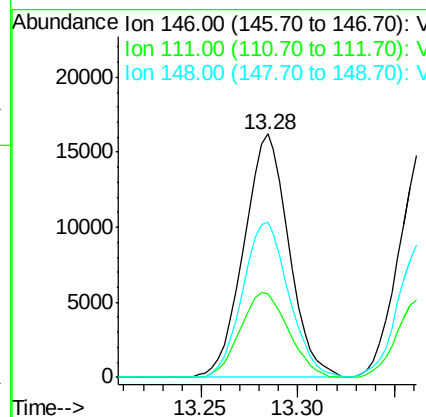
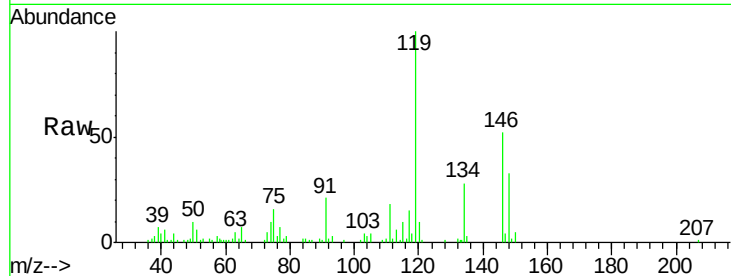
#83
 1,3-Dichlorobenzene
 Concen: 2.051 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054024.D
 Acq: 1 Mar 2019 12:51

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.7	59.0
148	65.6	32.3	96.8

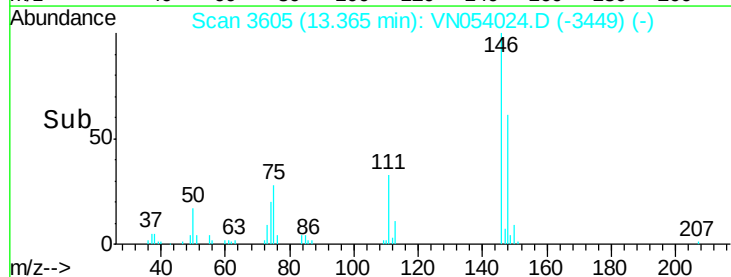
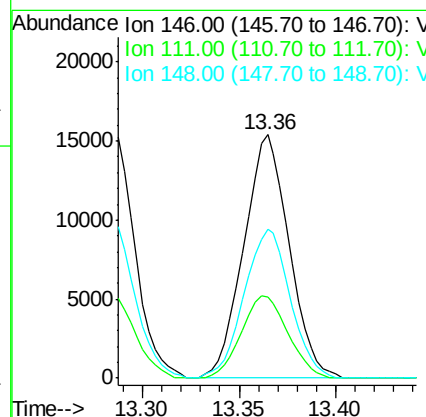
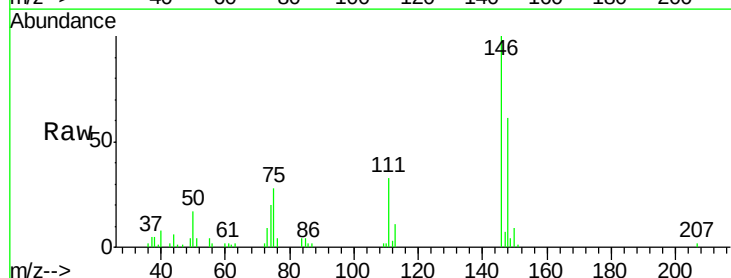
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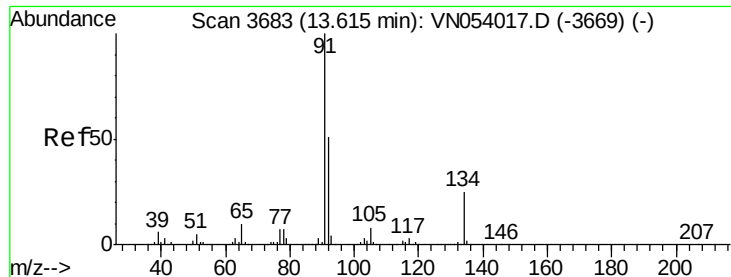
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#84
 1,4-Dichlorobenzene
 Concen: 2.060 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054024.D
 Acq: 1 Mar 2019 12:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.5	18.8	56.3
148	62.1	32.5	97.4





#85

n-Butylbenzene

Concen: 1.730 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Instrument :

MSVOA_N

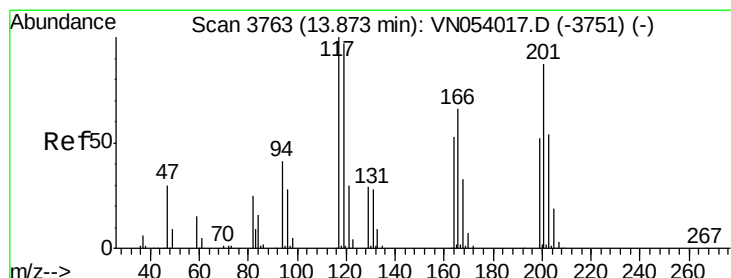
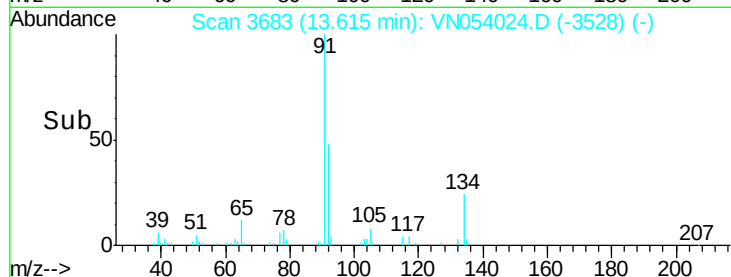
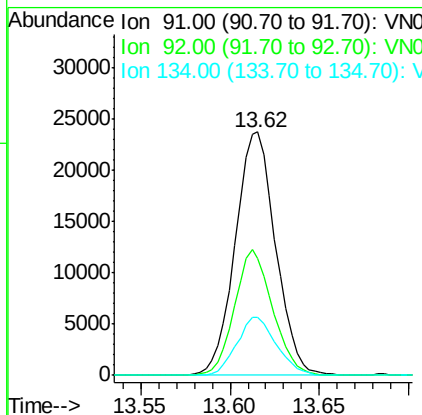
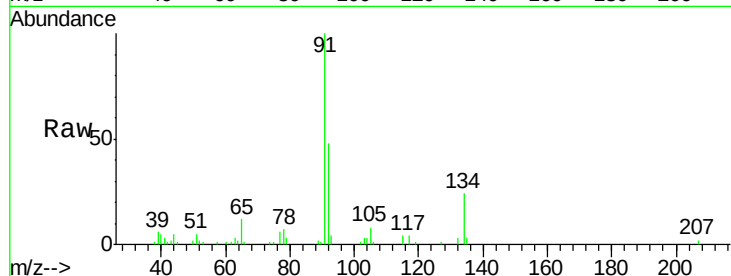
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	91	Resp:	37631
Ion	Ratio	Lower	Upper
91	100		
92	48.5	0.0	104.2
134	23.3	0.0	50.6

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#86

Hexachloroethane

Concen: 2.564 ug/l

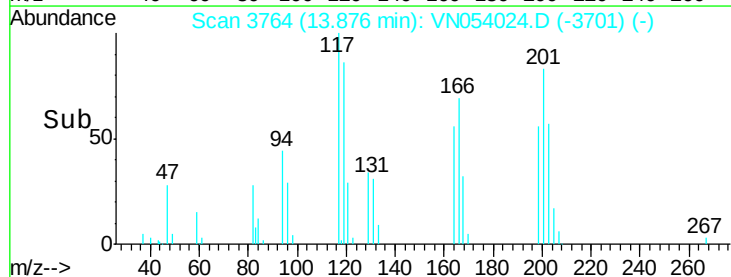
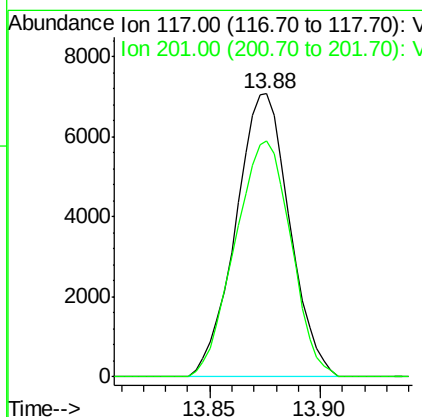
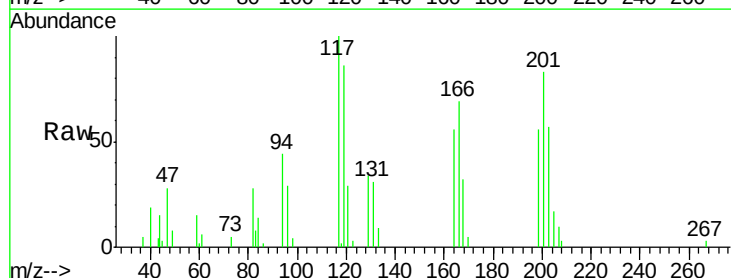
RT: 13.88 min Scan# 3764

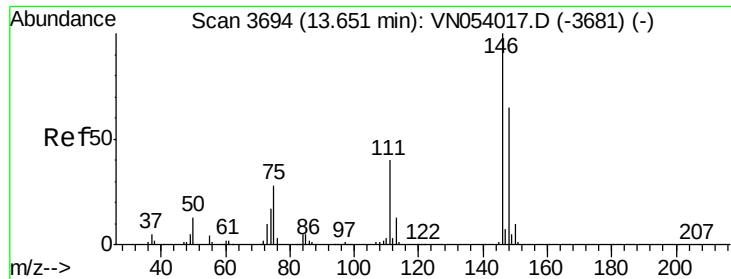
Delta R.T. 0.00 min

Lab File: VN054024.D

Acq: 1 Mar 2019 12:51

Tgt Ion:	117	Resp:	11965
Ion	Ratio	Lower	Upper
117	100		
201	86.5	43.8	131.3





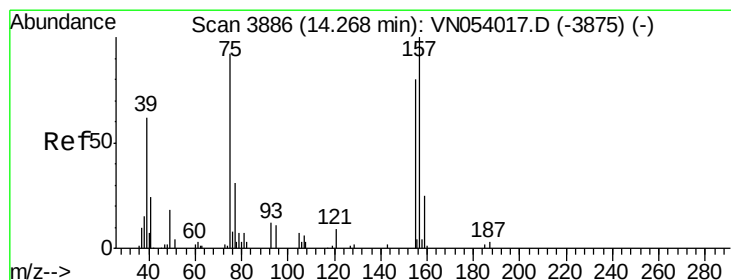
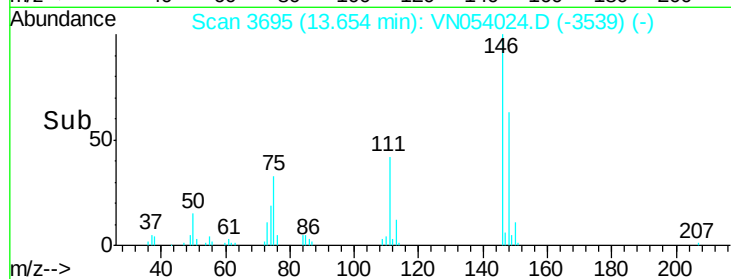
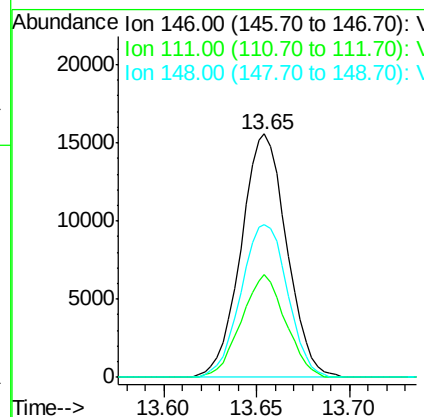
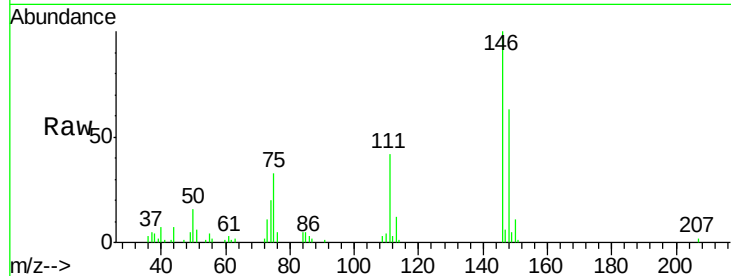
#87
 1,2-Dichlorobenzene
 Concen: 2.146 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054024.D
 Acq: 1 Mar 2019 12:51

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	64.1	32.1	96.5

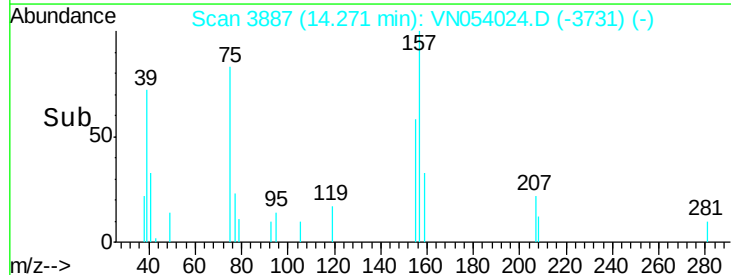
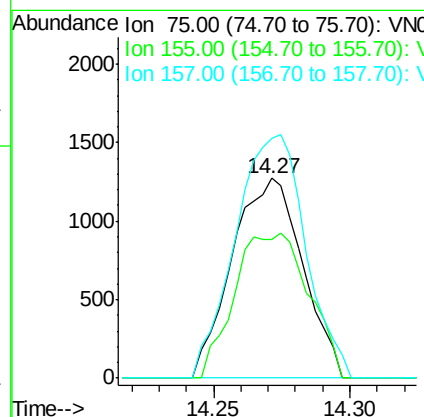
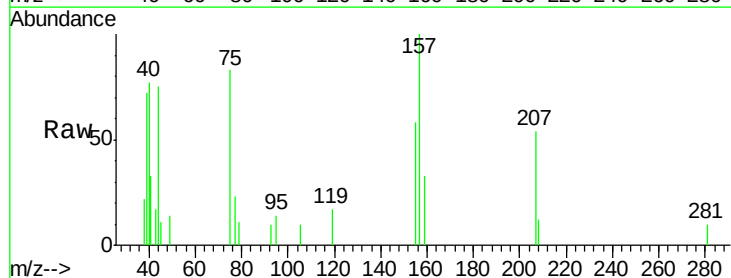
Manual Integrations
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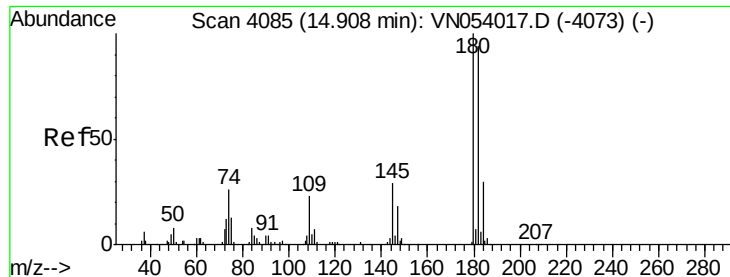
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 2.225 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054024.D
 Acq: 1 Mar 2019 12:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	41.7	72.2	108.2#
157	121.5	94.2	141.2





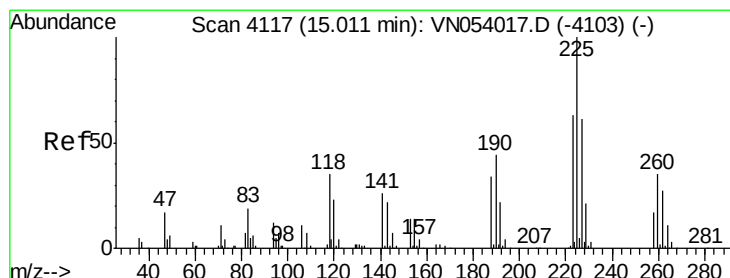
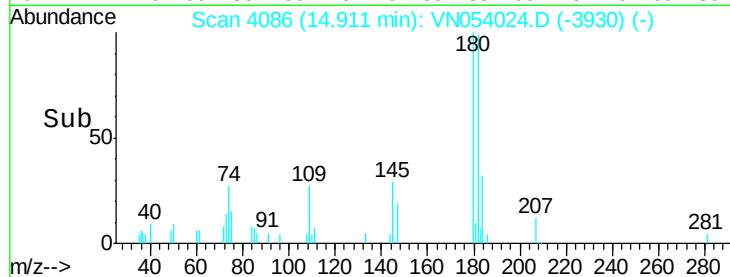
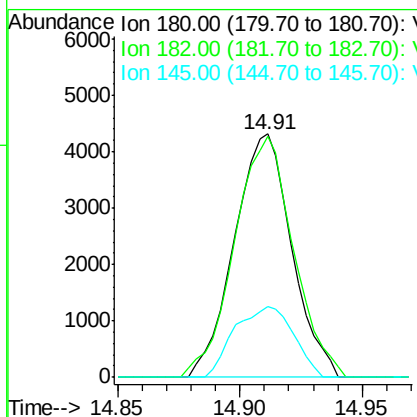
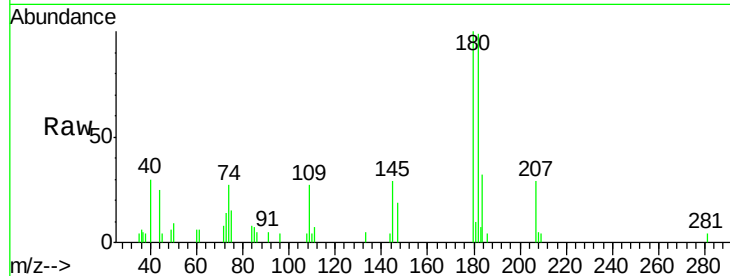
#89
 1,2,4-Trichlorobenzene
 Concen: 1.117 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054024.D
 Acq: 1 Mar 2019 12:51

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.9	76.6	114.8
145	30.0	23.6	35.4

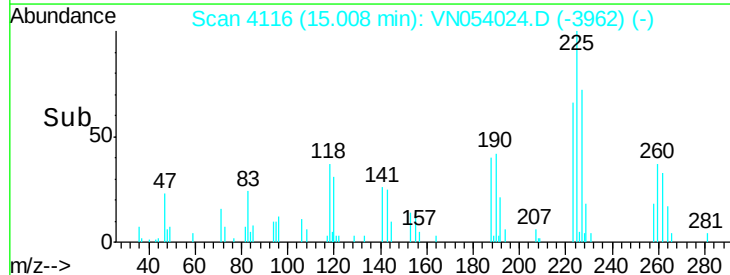
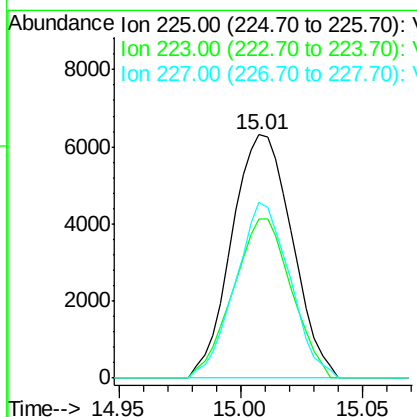
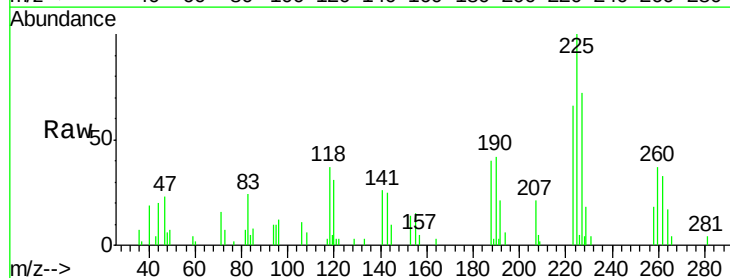
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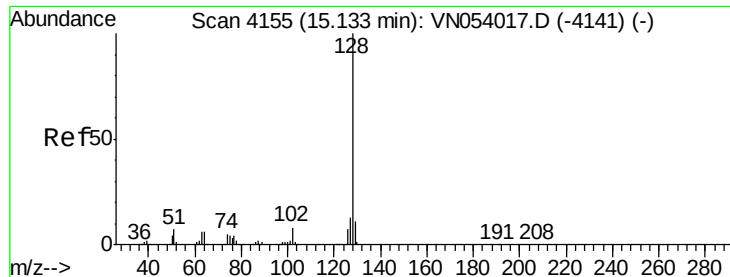
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 3/6/2019 10:23:39 AM



#90
 Hexachlorobutadiene
 Concen: 2.368 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054024.D
 Acq: 1 Mar 2019 12:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	0.0	125.6
227	64.9	0.0	127.8





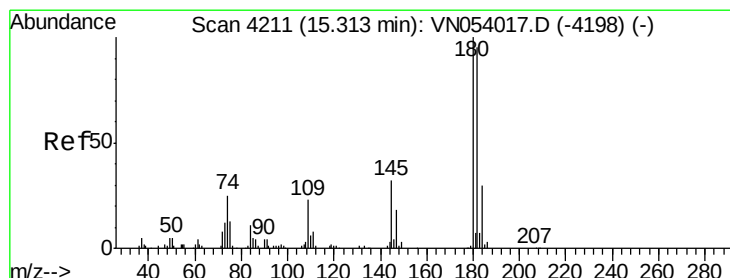
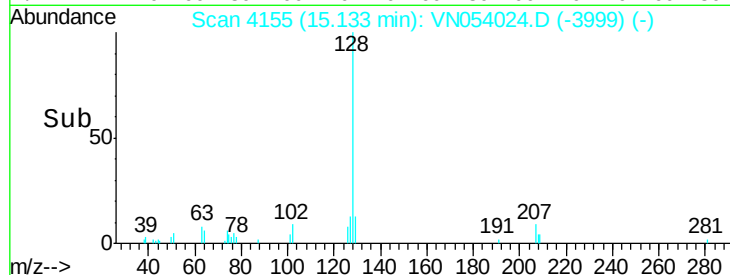
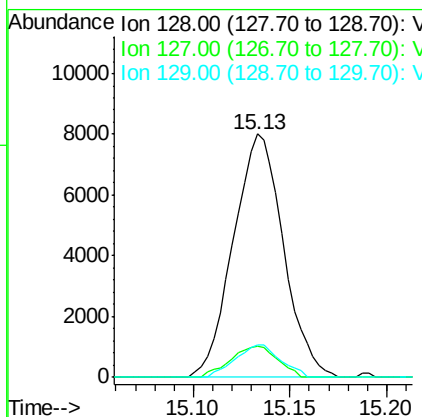
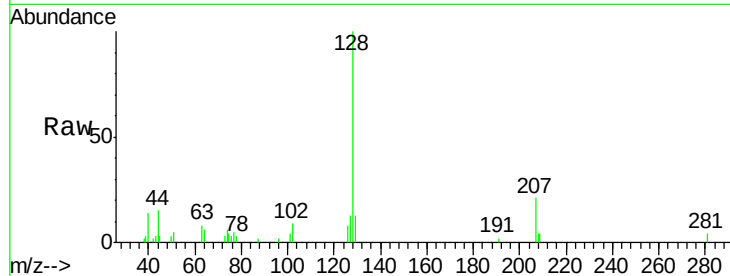
#91
Naphthalene
Concen: 1.142 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

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

Tot Ion:	128	Resp:	14415
Ion Ratio	Lower	Upper	
128	100		
127	11.9	9.9	14.9
129	11.8	8.5	12.7

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 1.437 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN054024.D
Acq: 1 Mar 2019 12:51

Tgt Ion:	180	Resp:	8931
Ion Ratio	Lower	Upper	
180	100		
182	90.1	0.0	196.2
145	34.5	0.0	62.2

