

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
 Data File : VN049778.D
 Acq On : 12 Jul 2018 19:19
 Operator : MD\SY
 Sample : J3762-07 LOD/MDL 0.2ppb
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 1:35:17 PM

Quant Time: Jul 13 04:31:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1064522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1700358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1458559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	562332	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	670270	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	
35) Dibromofluoromethane	7.59	113	623211	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
50) Toluene-d8	10.09	98	1908933	43.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.02%	
62) 4-Bromofluorobenzene	12.40	95	580903	37.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.86	85	2907	Below Cal		77
3) Chloromethane	2.06	50	5378	Below Cal	#	88
4) Vinyl Chloride	2.18	62	3778	Below Cal		97
5) Bromomethane	2.57	94	6367	Below Cal		99
6) Chloroethane	2.71	64	2837	0.30	ug/l	98
7) Trichlorofluoromethane	3.02	101	4832	0.24	ug/l	91
8) Diethyl Ether	3.42	74	1478	0.20	ug/l	# 17
9) 1,1,2-Trichlorotrifluoroet	3.76	101	3428	0.26	ug/l	# 59
12) 1,1-Dichloroethene	3.73	96	3367	0.29	ug/l	# 67
14) Allyl chloride	4.34	41	5181m	0.28	ug/l	
15) Acrylonitrile	5.00	53	4436m	1.07	ug/l	
16) Acetone	3.83	43	7795	0.48	ug/l	98
18) Methyl Acetate	4.33	43	12496	0.48	ug/l	90
20) Methylene Chloride	4.55	84	6423	Below Cal	#	83
21) trans-1,2-Dichloroethene	5.05	96	3706	0.29	ug/l	94
23) Vinyl Acetate	5.91	43	19319	0.75	ug/l	95
24) 1,1-Dichloroethane	5.85	63	6170	0.25	ug/l	# 89
25) 2-Butanone	6.85	43	6784m	1.41	ug/l	
26) 2,2-Dichloropropane	6.84	77	4947	0.25	ug/l	# 69
27) cis-1,2-Dichloroethene	6.84	96	3489	0.24	ug/l	95
29) Tetrahydrofuran	7.23	42	4731m	1.56	ug/l	
30) Chloroform	7.38	83	5662	0.23	ug/l	97
31) Cyclohexane	7.66	56	21984	0.89	ug/l	# 1
32) 1,1,1-Trichloroethane	7.57	97	4772	0.22	ug/l	# 51
36) 1,1-Dichloropropene	7.80	75	4280	0.22	ug/l	# 69
38) Carbon Tetrachloride	7.78	117	5707	0.28	ug/l	# 82
40) Benzene	8.04	78	12819m	0.22	ug/l	
42) 1,2-Dichloroethane	8.13	62	4107	0.21	ug/l	86
44) Trichloroethene	8.84	130	3649	0.23	ug/l	94
45) 1,2-Dichloropropane	9.13	63	3175	0.20	ug/l	91
46) Dibromomethane	9.20	93	1959	0.21	ug/l	91
47) Bromodichloromethane	9.41	83	4578	0.22	ug/l	# 97
48) Methyl methacrylate	9.21	41	2350	0.23	ug/l	# 82
49) 1,4-Dioxane	9.21	88	544m	3.98	ug/l	

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Manual Integrations
 APPROVED

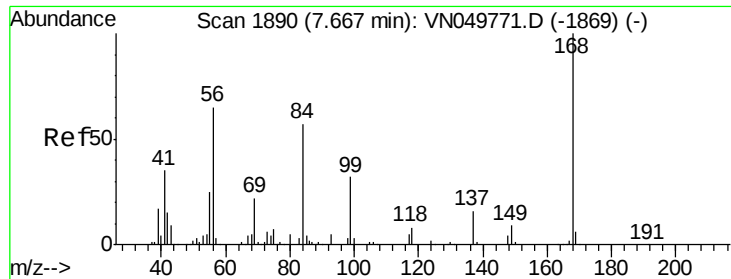
MMDadoda
 7/13/2018 1:35:17 PM

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

51) 4-Methyl-2-Pentanone	9.99	43	9231	0.82	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	4527	0.23	ug/l #	77
55) 1,1,2-Trichloroethane	10.56	97	5693	Below Cal	#	70
58) 2-Chloroethyl Vinyl ether	9.70	63	6103	0.80	ug/l	93
59) 2-Hexanone	10.76	43	6997	0.93	ug/l	99
61) 1,2-Dibromoethane	11.01	107	2554	0.20	ug/l	82
64) Tetrachloroethene	10.63	164	3028	0.23	ug/l #	87
65) Chlorobenzene	11.44	112	8967	0.24	ug/l	98
68) m/p-Xylenes	11.62	106	9051	0.39	ug/l	95
71) Bromoform	12.13	173	1977	0.20	ug/l #	28
73) Isopropylbenzene	12.25	105	9405	0.20	ug/l	99
74) N-amyl acetate	12.07	43	2780	0.23	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.50	83	3121	Below Cal		94
76) 1,2,3-Trichloropropane	12.55	75	2806m	0.28	ug/l	
77) Bromobenzene	12.53	156	3559	0.29	ug/l	95
78) n-propylbenzene	12.59	91	12407	0.24	ug/l	94
79) 2-Chlorotoluene	12.67	91	7108	0.22	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	7436	0.20	ug/l	97
82) 4-Chlorotoluene	12.78	91	8533	0.27	ug/l	96
83) tert-Butylbenzene	12.99	119	6673	0.20	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	5809	0.27	ug/l	94
88) 1,4-Dichlorobenzene	13.37	146	6471m	0.31	ug/l	
90) Hexachloroethane	13.88	117	1786	Below Cal		93
91) 1,2-Dichlorobenzene	13.66	146	5545	0.26	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	651	Below Cal	#	55
93) 1,2,4-Trichlorobenzene	14.91	180	2804	3.12	ug/l	88
94) Hexachlorobutadiene	15.01	225	1265m	Below Cal		
95) Naphthalene	15.14	128	5259	4.22	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.32	180	2756	0.27	ug/l	95

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



#1

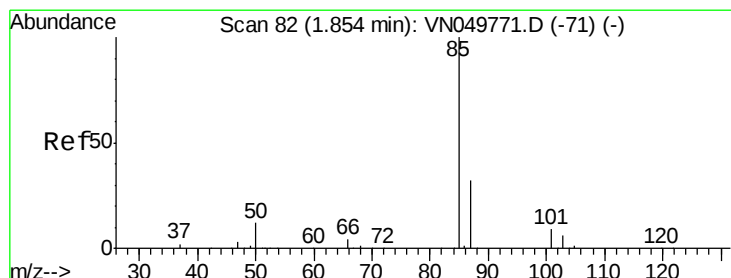
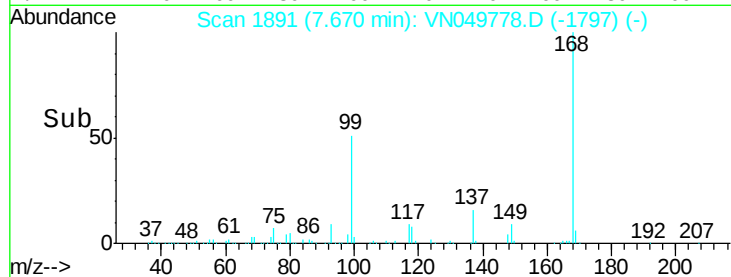
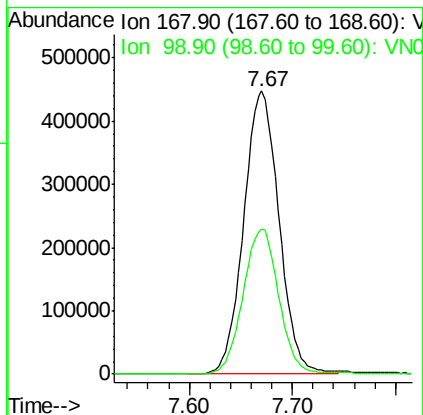
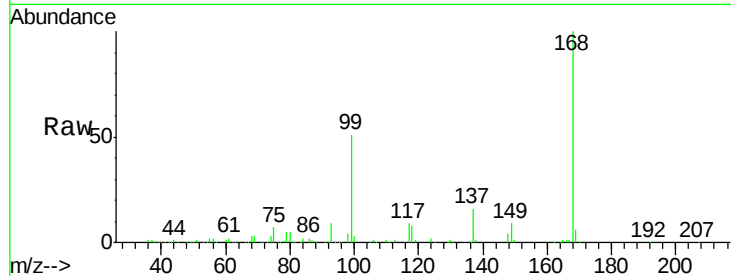
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN049778.D
 Acq: 12 Jul 2018 19:19

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Tot Ion:168 Resp: 1064522
 Ion Ratio Lower Upper
 168 100
 99 51.3 40.6 61.0

Manual Integrations
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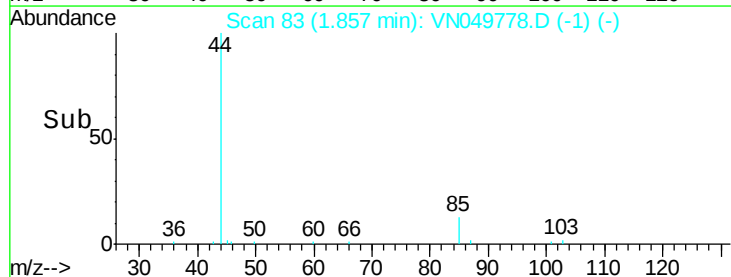
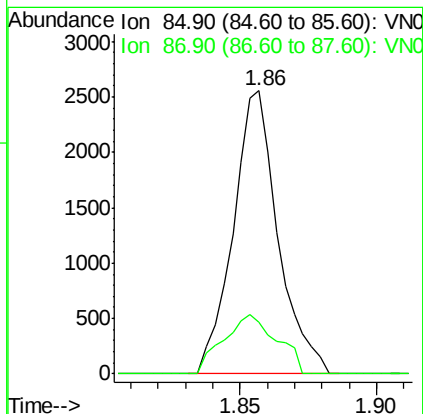
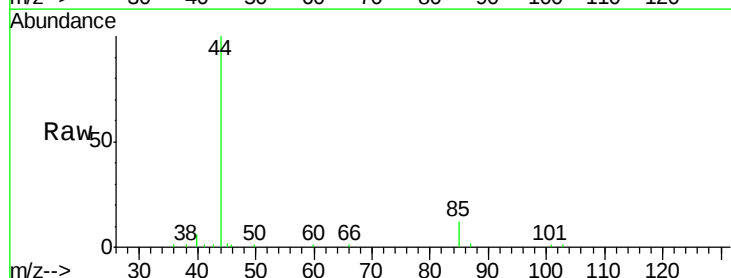
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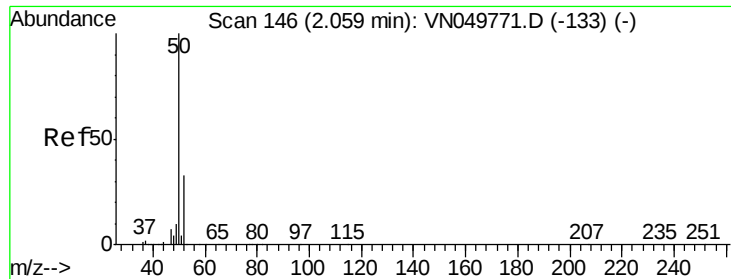


#2

Dichlorodifluoromethane
 Concen: Below Cal
 RT: 1.86 min Scan# 83
 Delta R.T. 0.00 min
 Lab File: VN049778.D
 Acq: 12 Jul 2018 19:19

Tgt Ion: 85 Resp: 2907
 Ion Ratio Lower Upper
 85 100
 87 18.3 15.4 46.1





#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 50 Resp: 5378

Ion Ratio Lower Upper

50 100

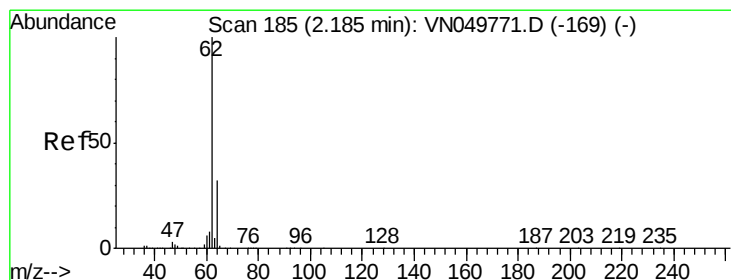
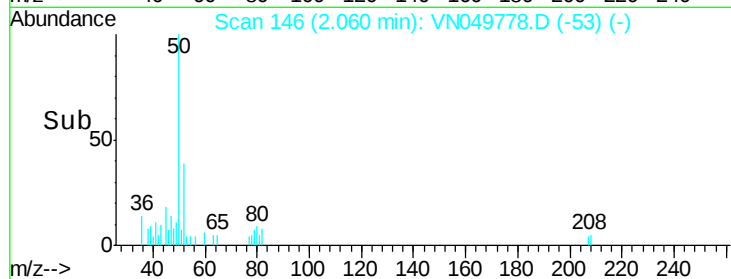
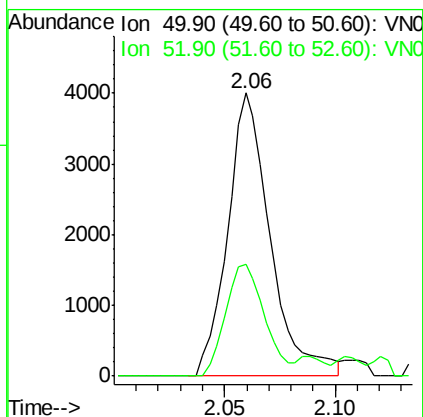
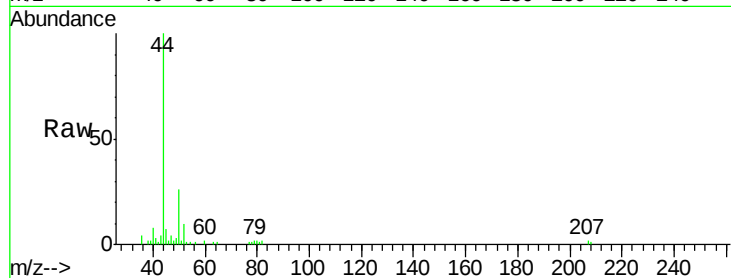
52 39.5 26.1 39.1#

Manual Integrations

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#4

Vinyl Chloride

Concen: Below Cal

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049778.D

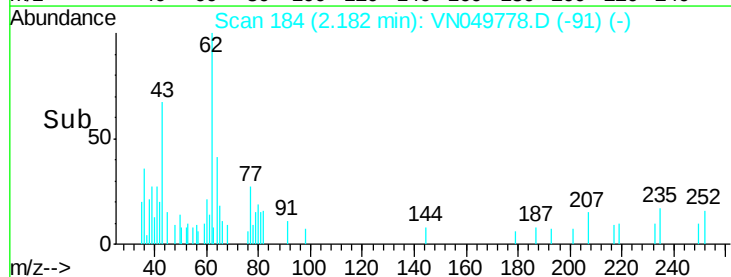
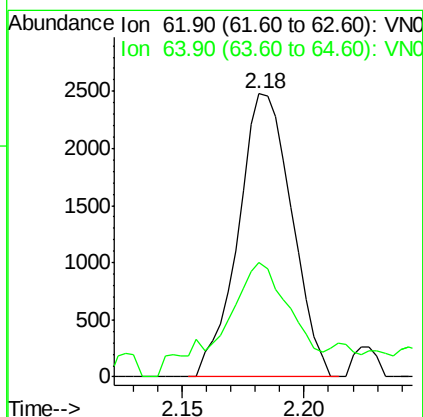
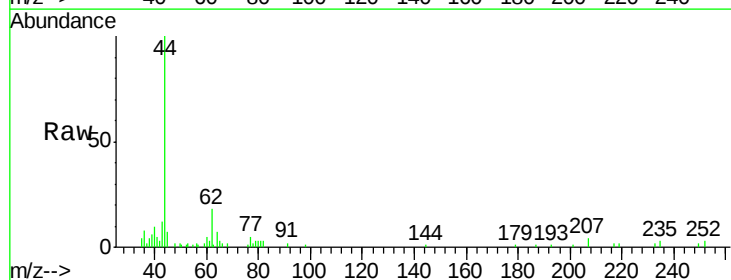
Acq: 12 Jul 2018 19:19

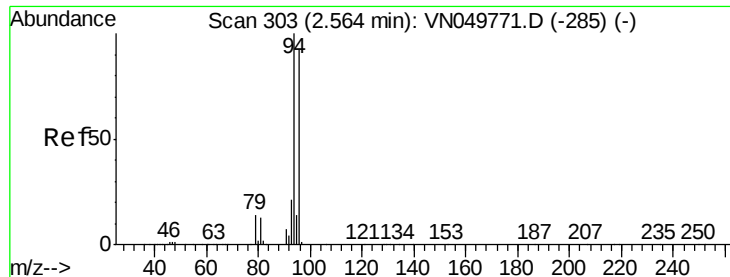
Tgt Ion: 62 Resp: 3778

Ion Ratio Lower Upper

62 100

64 33.2 25.4 38.0





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 94 Resp: 6367

Ion Ratio Lower Upper

94 100

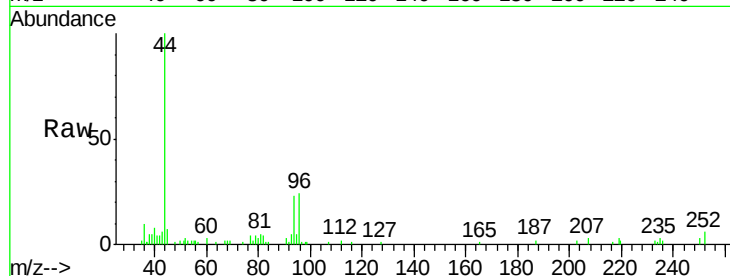
96 96.0 75.7 113.5

Manual Integrations

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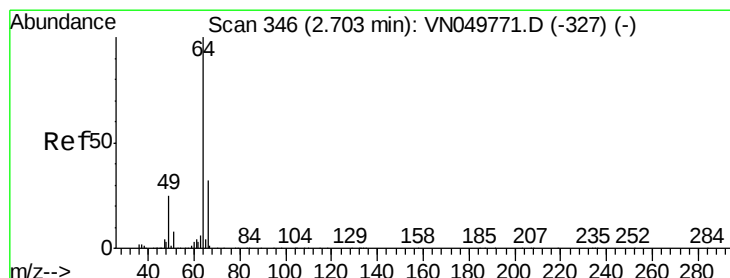
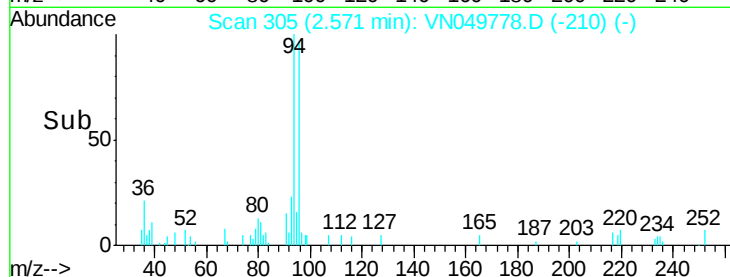
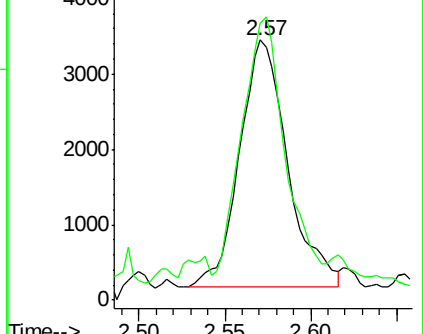
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.30 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049778.D

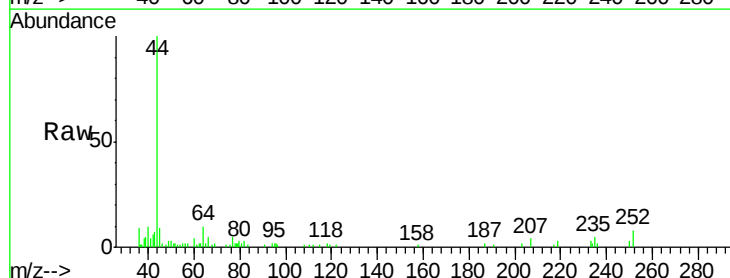
Acq: 12 Jul 2018 19:19

Tgt Ion: 64 Resp: 2837

Ion Ratio Lower Upper

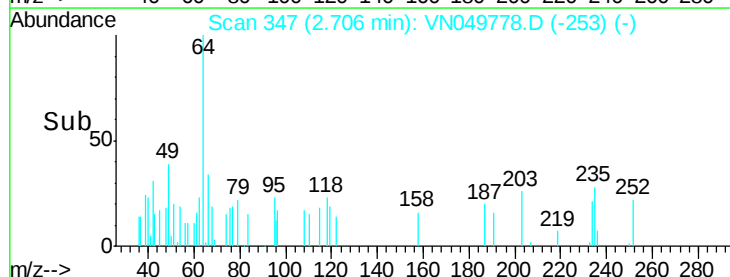
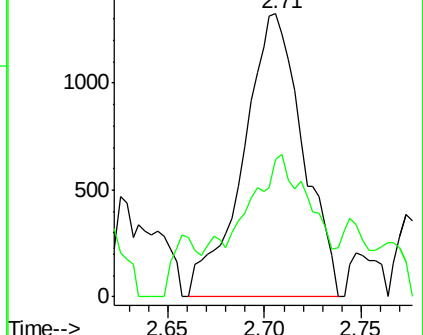
64 100

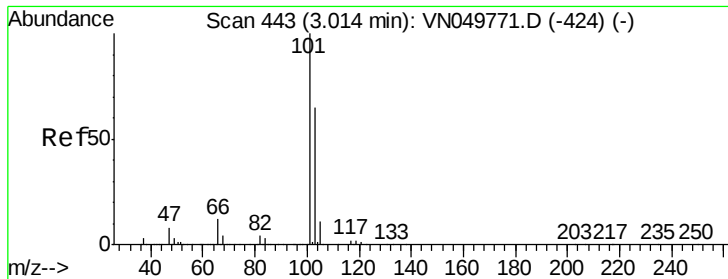
66 31.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 0.24 ug/l

RT: 3.02 min Scan# 444

Delta R.T. 0.00 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:101 Resp: 4832

Ion Ratio Lower Upper

101 100

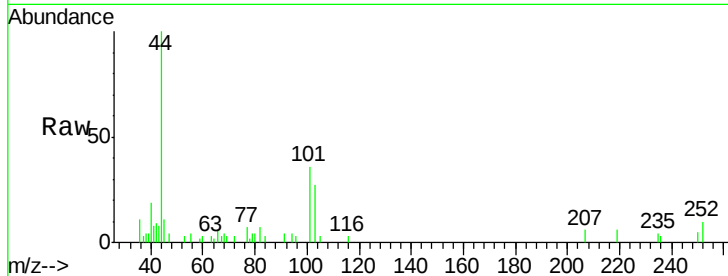
103 73.2 52.8 79.2

Manual Integrations

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7/13/2018 1:35:17 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.02

2500

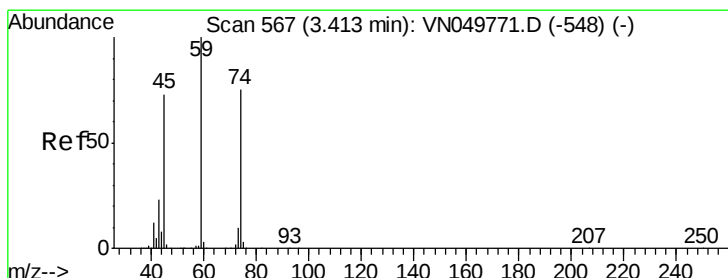
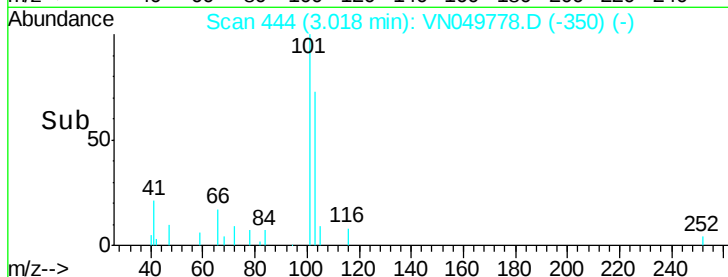
2000

1500

1000

500

Time-->



#8

Diethyl Ether

Concen: 0.20 ug/l

RT: 3.42 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN049778.D

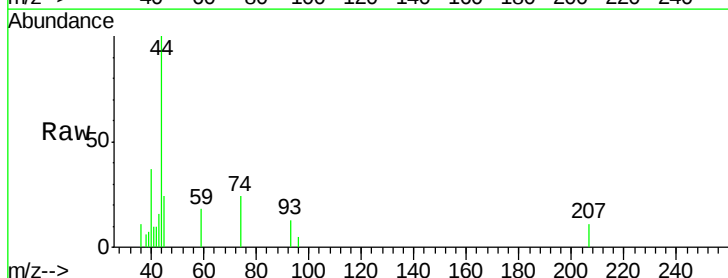
Acq: 12 Jul 2018 19:19

Tgt Ion: 74 Resp: 1478

Ion Ratio Lower Upper

74 100

45 177.9 48.4 145.2#



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

1200

1000

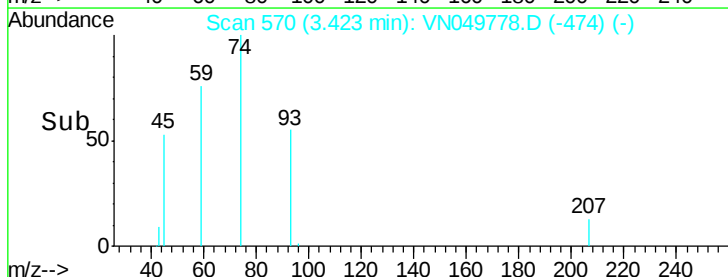
800

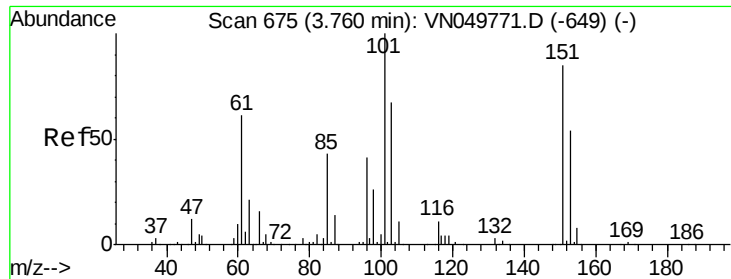
600

400

200

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.26 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Instrument :

MSVOA_N

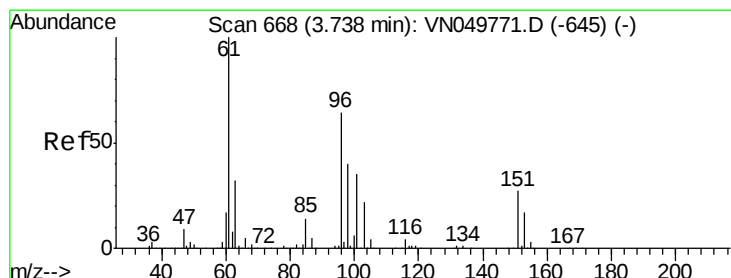
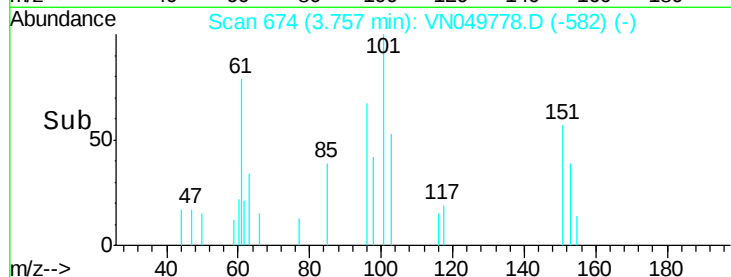
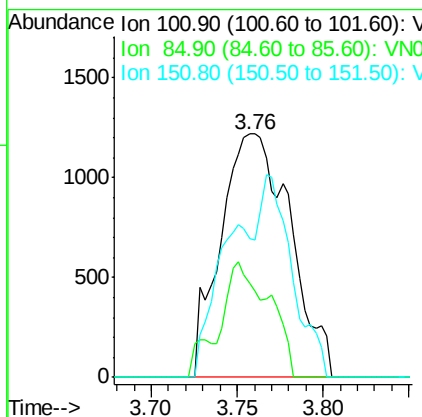
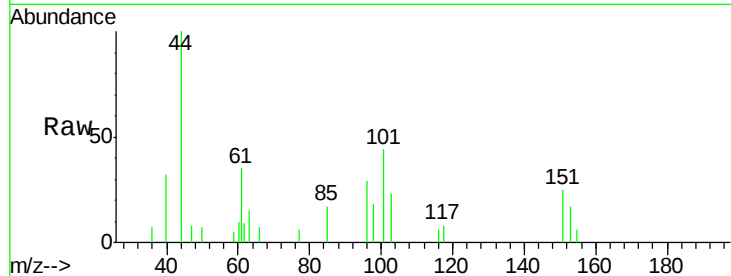
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	101	Resp:	3428
Ion Ratio	Lower	Upper	
101	100		
85	30.0	34.4	51.6#
151	36.0	66.2	99.4#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.29 ug/l

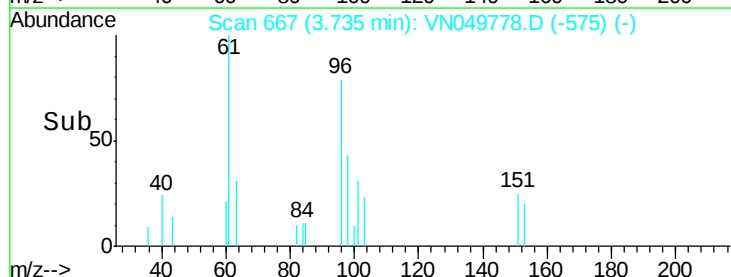
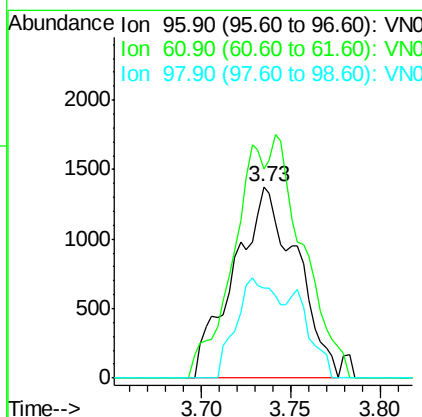
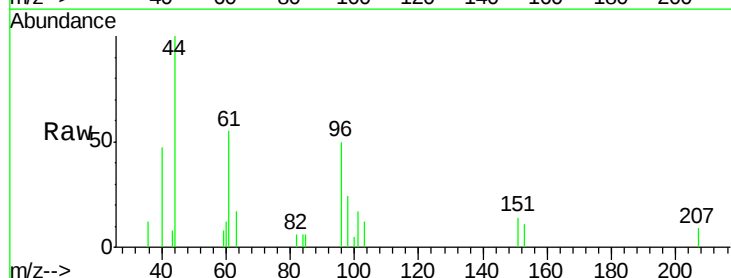
RT: 3.73 min Scan# 667

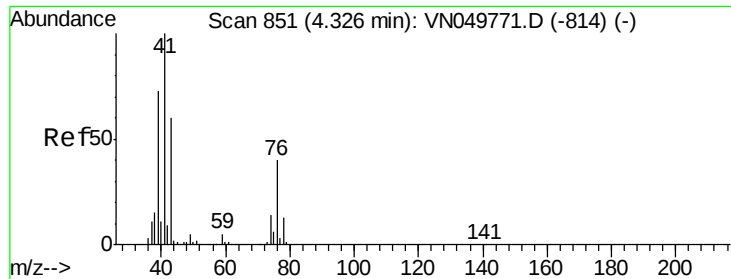
Delta R.T. -0.00 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Tgt Ion:	96	Resp:	3367
Ion Ratio	Lower	Upper	
96	100		
61	109.2	126.5	189.7#
98	47.4	51.0	76.6#





#14

Allvl chloride

Concen: 0.28 ug/l m

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Instrument :

MSVOA_N

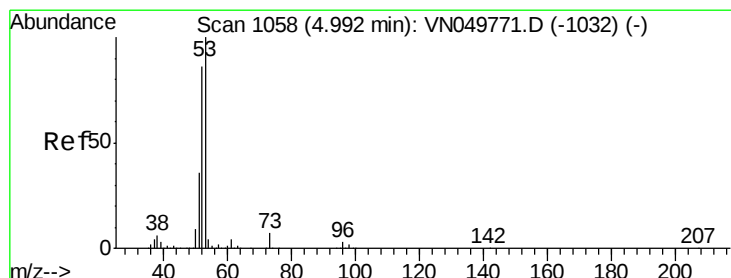
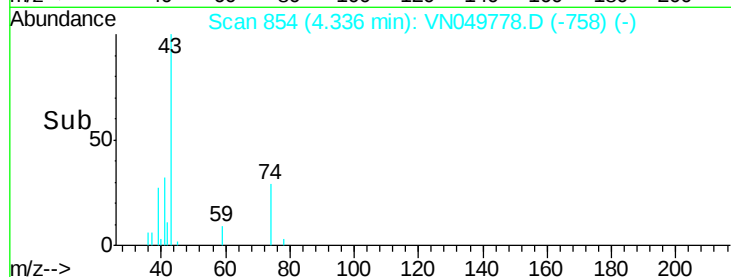
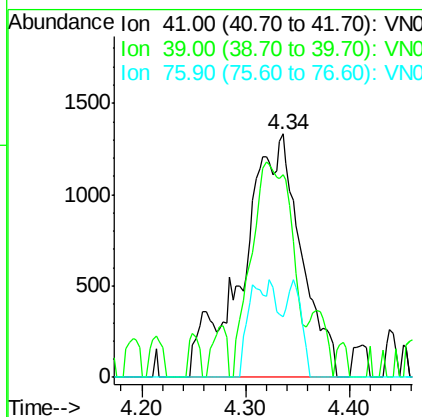
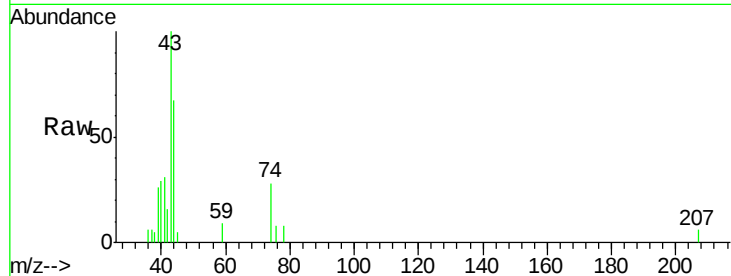
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	41	Resp:	5181
Ion Ratio	Lower	Upper	
41	100		
39	62.8	53.2	79.8
76	12.3	29.0	43.6#

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#15

Acrylonitrile

Concen: 1.07 ug/l m

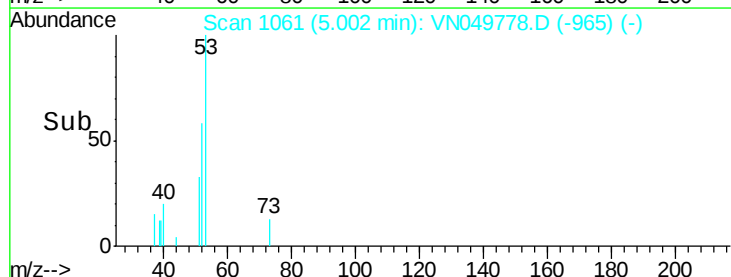
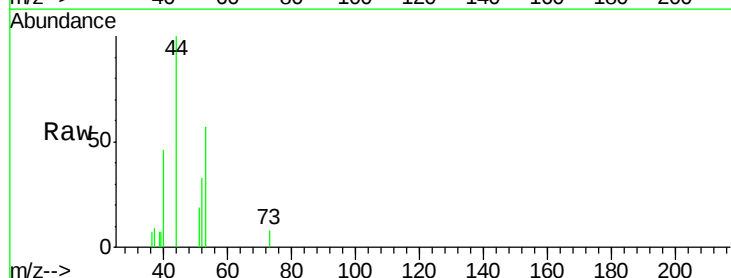
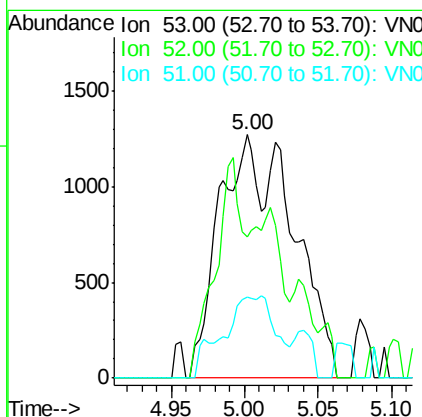
RT: 5.00 min Scan# 1061

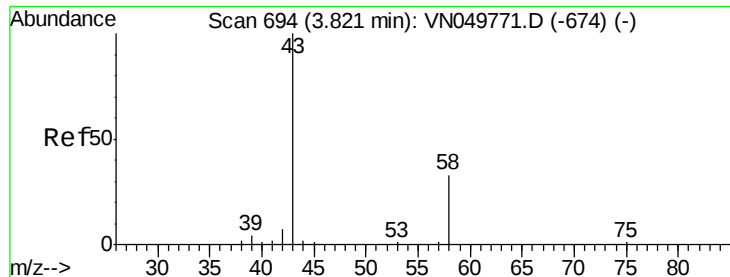
Delta R.T. 0.01 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Tgt Ion:	53	Resp:	4436
Ion Ratio	Lower	Upper	
53	100		
52	34.6	64.8	97.2#
51	2.4	28.9	43.3#





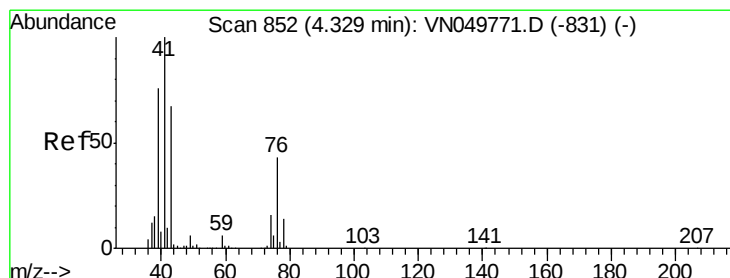
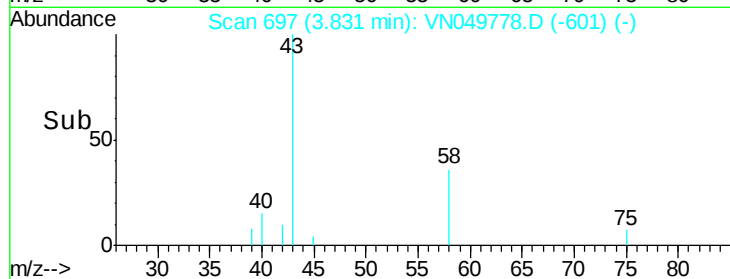
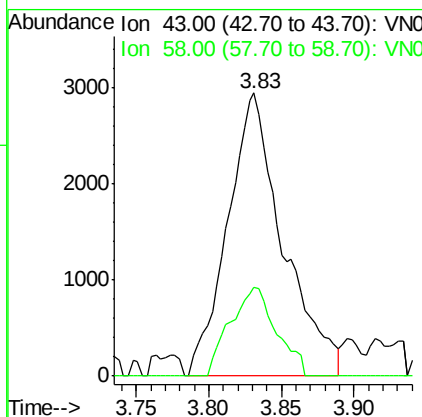
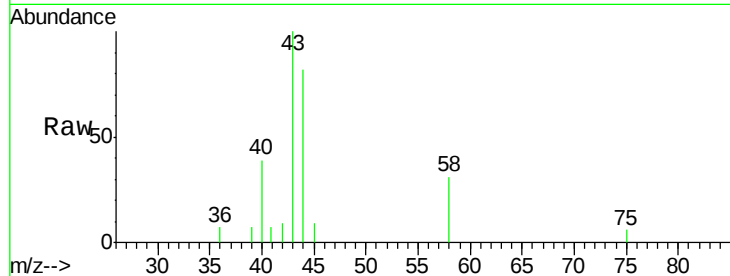
#16
Acetone
Concen: 0.48 ug/l
RT: 3.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VN049778.D
Acq: 12 Jul 2018 19:19

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 43 Resp: 7795
Ion Ratio Lower Upper
43 100
58 31.3 25.9 38.9

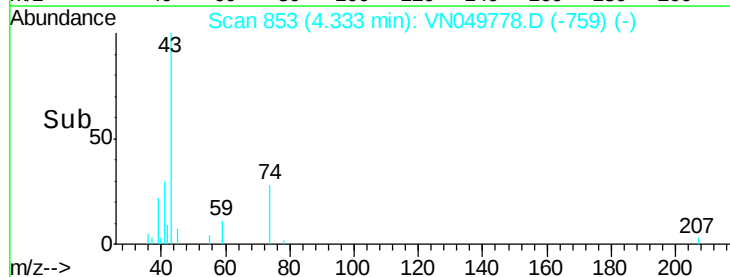
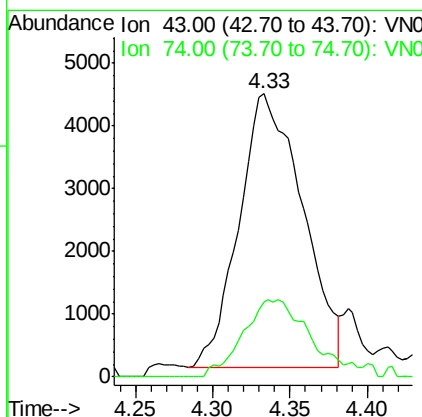
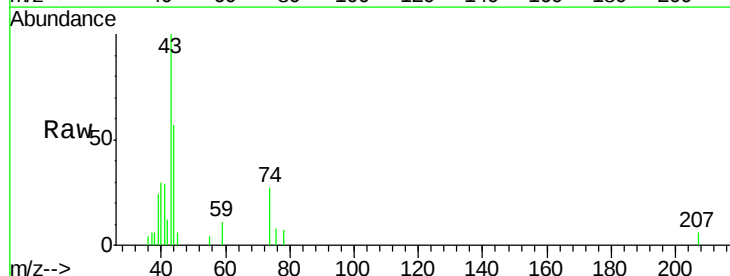
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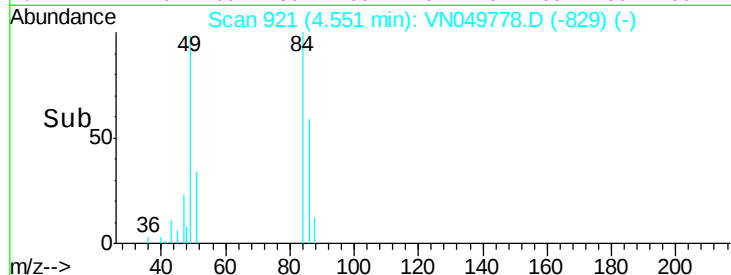
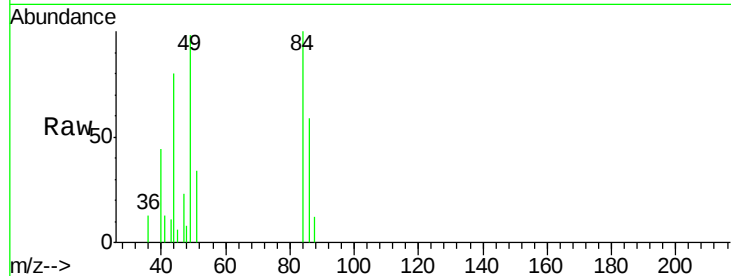
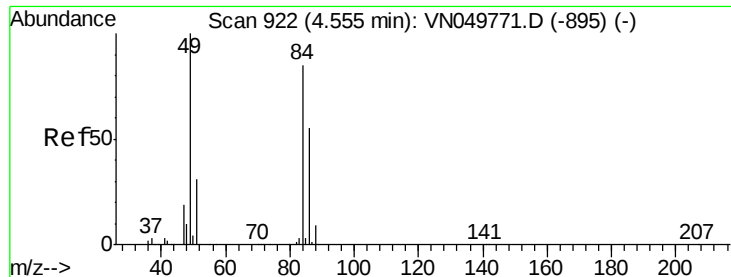
MMDadoda
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#18
Methyl Acetate
Concen: 0.48 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049778.D
Acq: 12 Jul 2018 19:19

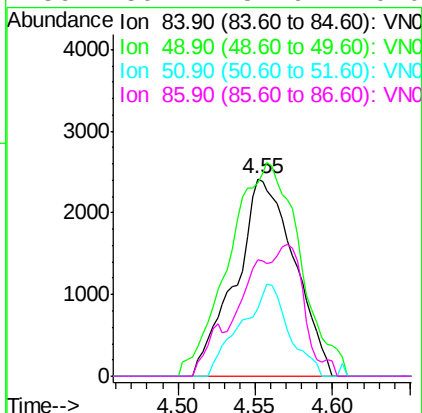
Tgt Ion: 43 Resp: 12496
Ion Ratio Lower Upper
43 100
74 29.7 19.8 29.8





#20
Methvlene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN049778.D
Acq: 12 Jul 2018 19:19

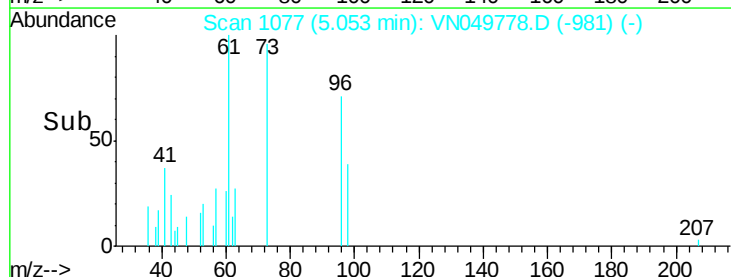
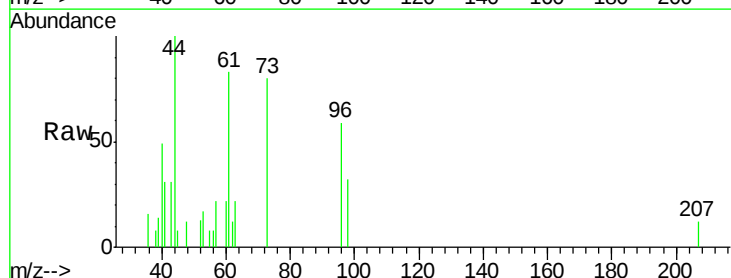
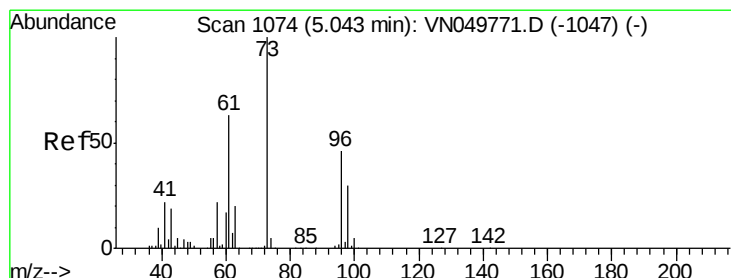
Tot Ion	Ratio	Lower	Upper
84	100		
49	89.9	95.4	143.2#
51	34.3	28.4	42.6
86	59.2	52.6	79.0



Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

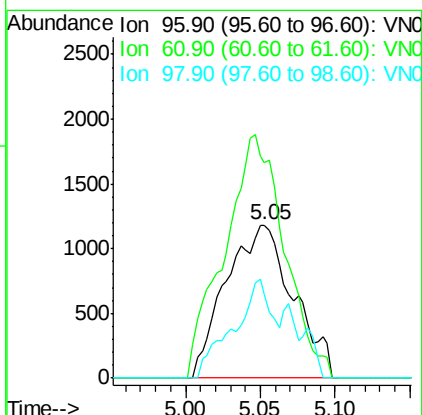
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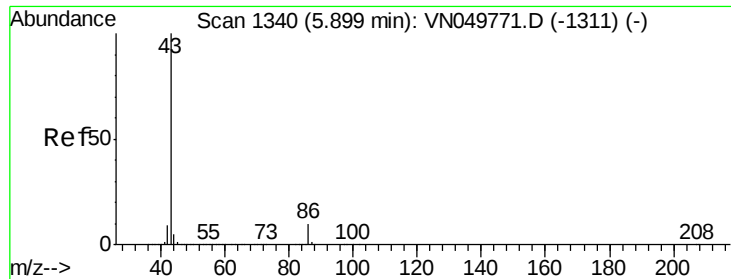
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#21
trans-1,2-Dichloroethene
Concen: 0.29 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VN049778.D
Acq: 12 Jul 2018 19:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.3	109.0	163.6
98	54.8	51.1	76.7





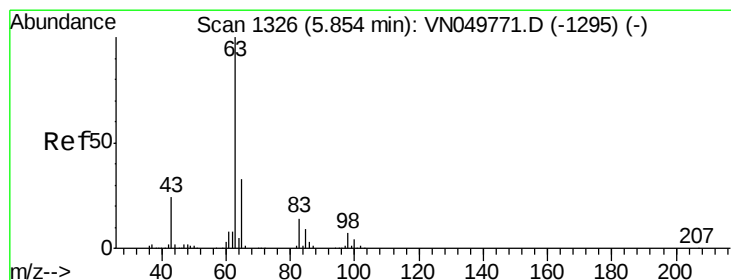
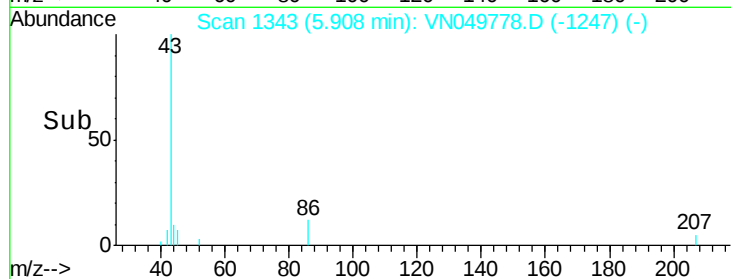
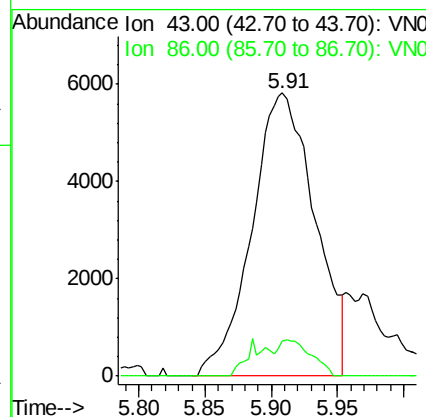
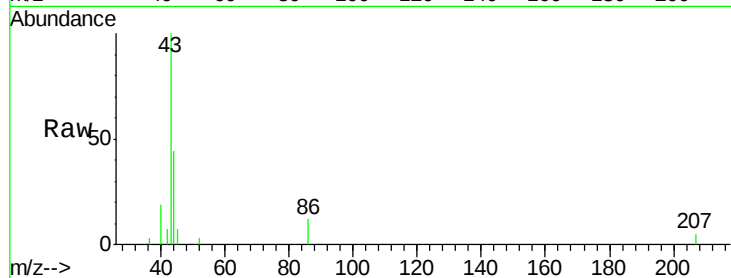
#23
 Vinyl Acetate
 Concen: 0.75 ug/l
 RT: 5.91 min Scan# 1343
 Delta R.T. 0.01 min
 Lab File: VN049778.D
 Acq: 12 Jul 2018 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
43	100		
86	12.2	8.4	12.6

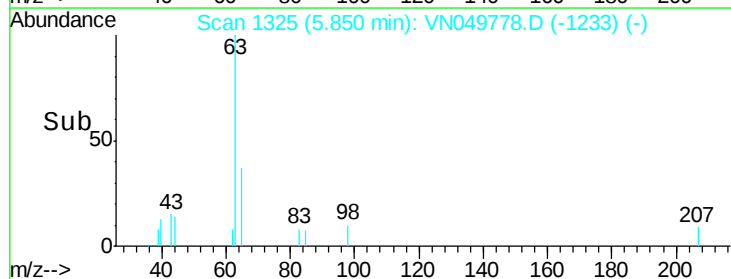
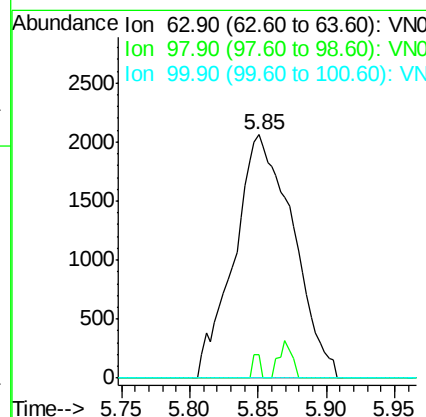
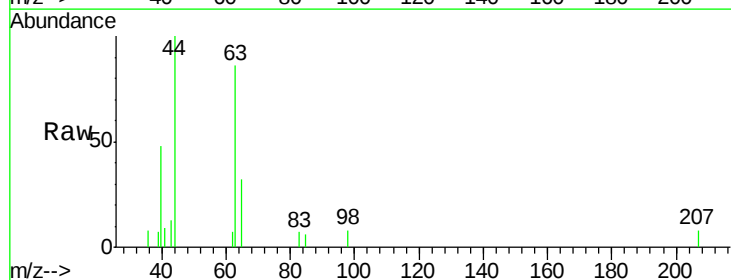
Manual Integrations
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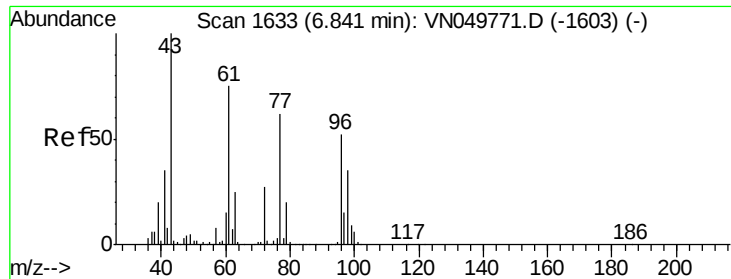
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#24
 1,1-Dichloroethane
 Concen: 0.25 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN049778.D
 Acq: 12 Jul 2018 19:19

Tgt Ion	Ratio	Lower	Upper
63	100		
98	9.8	3.4	10.2
100	0.0	2.2	6.6#





#25

2-Butanone

Concen: 1.41 ug/l m

RT: 6.85 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 43 Resp: 6784

Ion Ratio Lower Upper

43 100

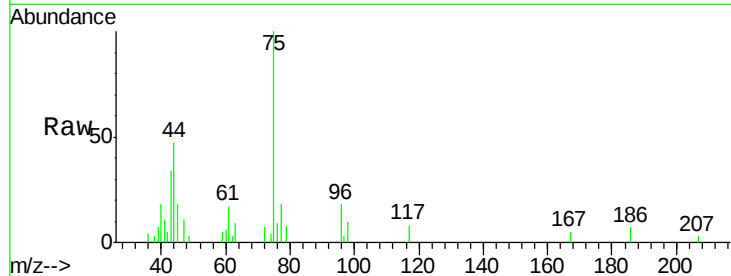
72 21.5 22.1 33.1#

Manual Integrations

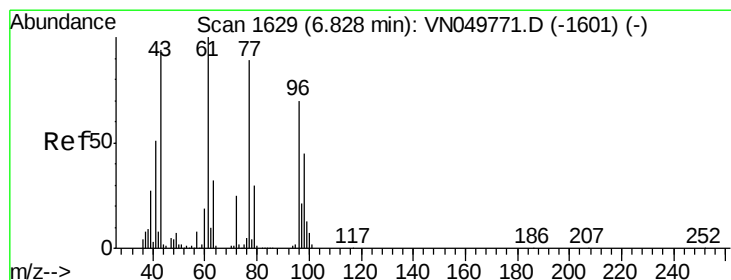
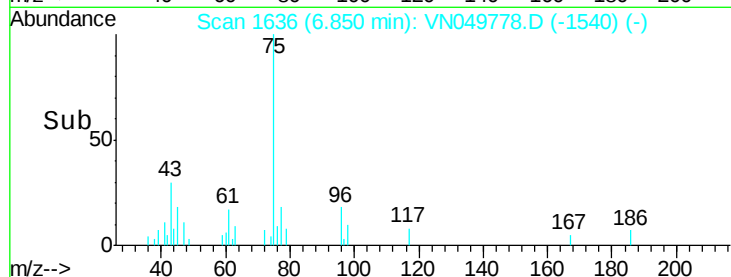
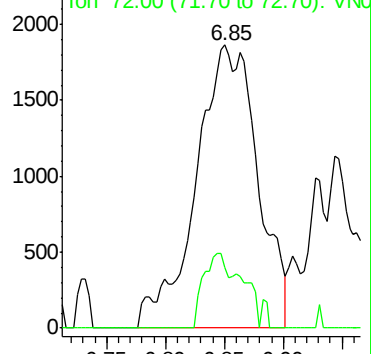
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Abundance Ion 43.00 (42.70 to 43.70): VN049778.D (-1540) (-)



#26

2,2-Dichloropropane

Concen: 0.25 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. 0.01 min

Lab File: VN049778.D

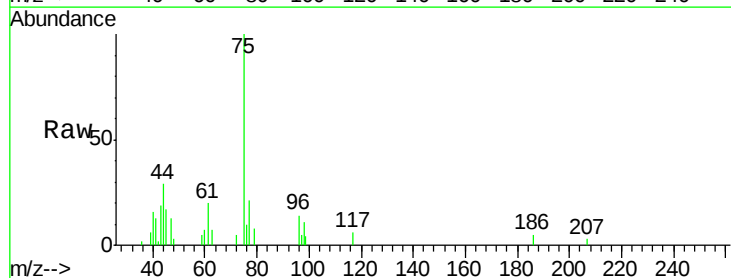
Acq: 12 Jul 2018 19:19

Tgt Ion: 77 Resp: 4947

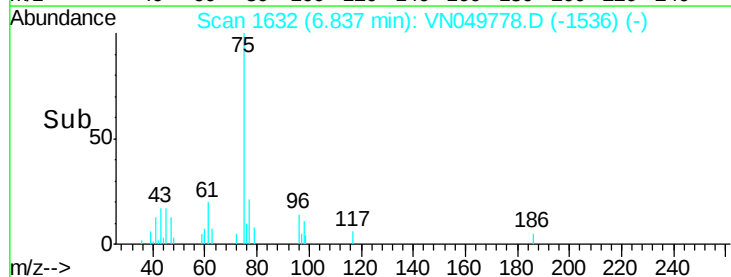
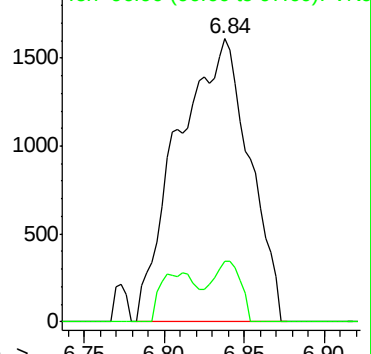
Ion Ratio Lower Upper

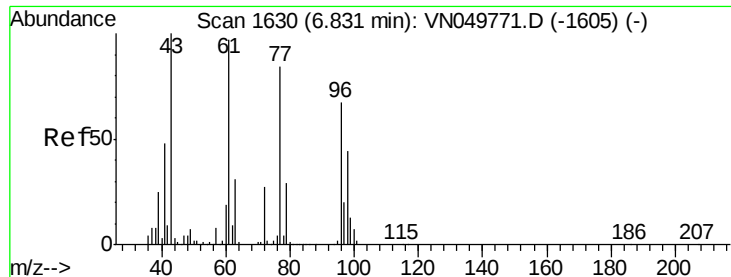
77 100

97 8.4 11.9 35.5#



Abundance Ion 76.90 (76.60 to 77.60): VN049778.D (-1536) (-)





#27

cis-1,2-Dichloroethene

Concen: 0.24 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. 0.01 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Instrument :

MSVOA_N

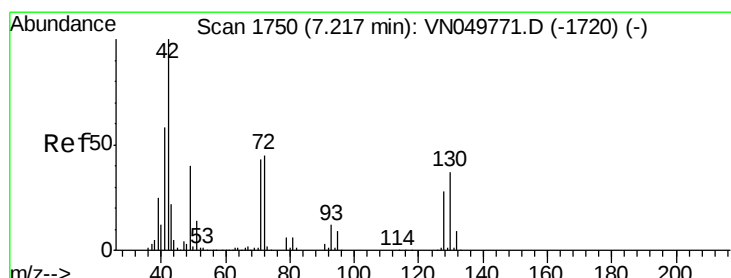
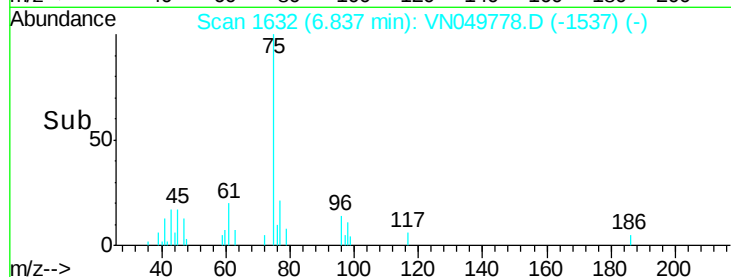
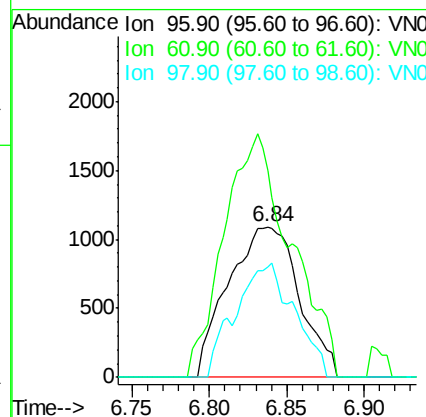
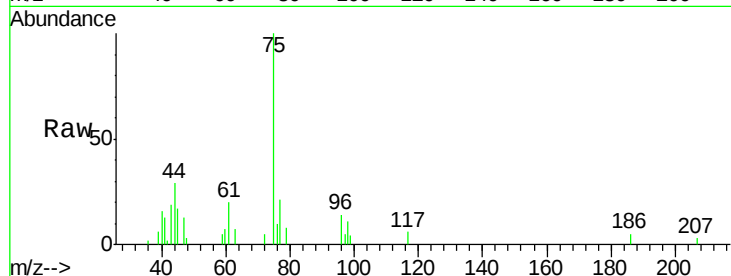
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	96	Resp:	3489
Ion	Ratio	Lower	Upper
96	100		
61	152.2	0.0	289.0
98	62.9	0.0	130.2

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#29

Tetrahydrofuran

Concen: 1.56 ug/l m

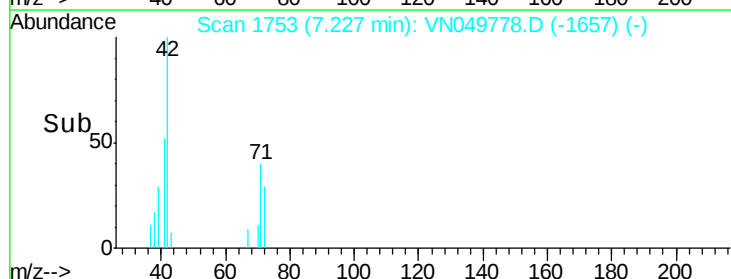
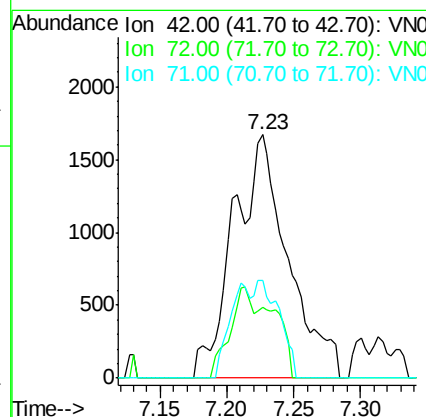
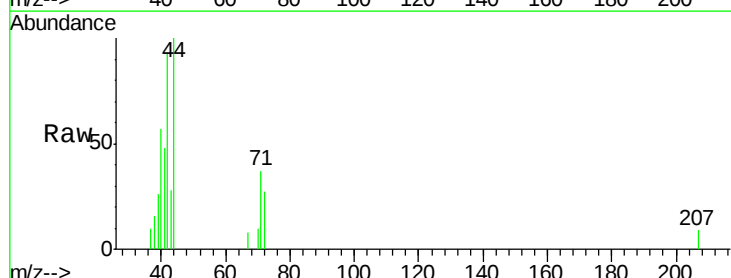
RT: 7.23 min Scan# 1753

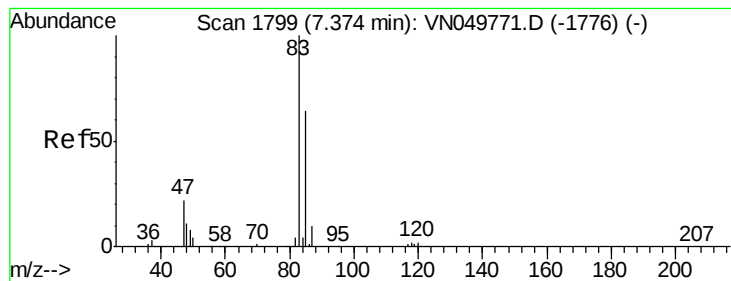
Delta R.T. 0.01 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Tgt Ion:	42	Resp:	4731
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.6	53.4#
71	0.0	34.0	51.0#





#30

Chloroform

Concen: 0.23 ug/l

RT: 7.38 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 83 Resp: 5662

Ion Ratio Lower Upper

83 100

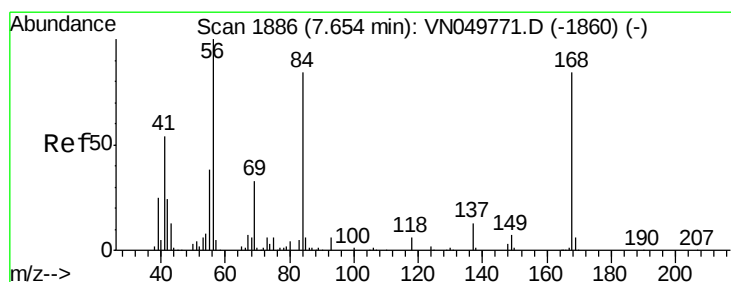
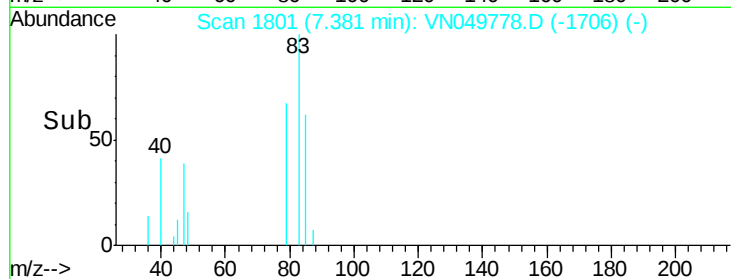
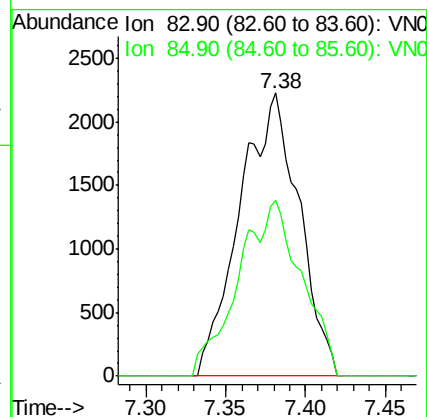
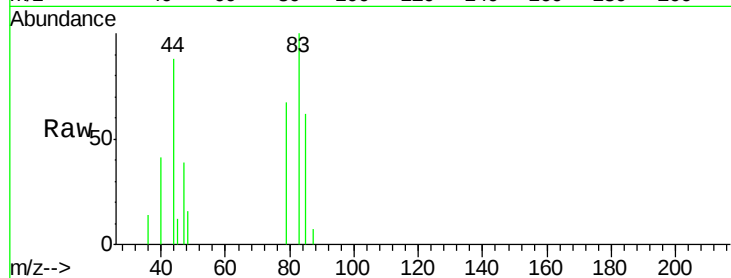
85 62.1 51.4 77.2

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#31

Cyclohexane

Concen: 0.89 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

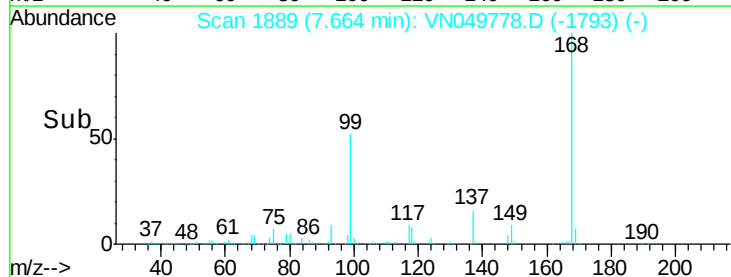
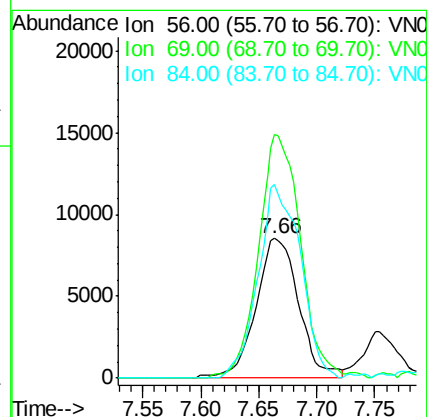
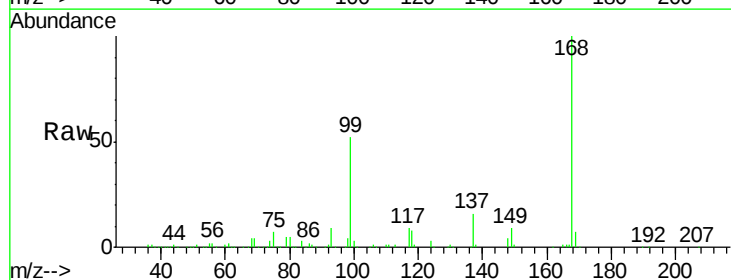
Tgt Ion: 56 Resp: 21984

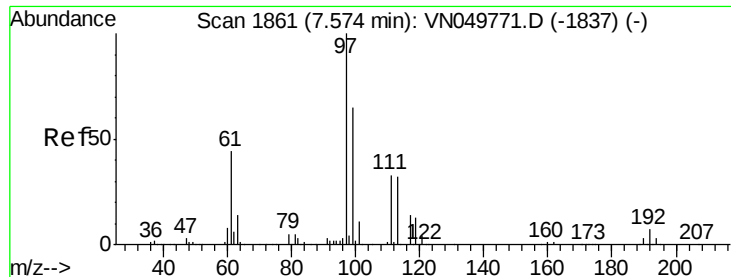
Ion Ratio Lower Upper

56 100

69 174.1 26.6 40.0#

84 138.8 69.0 103.6#





#32

1,1,1-Trichloroethane

Concen: 0.22 ug/l

RT: 7.57 min Scan# 1859

Delta R.T. -0.01 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Instrument :

MSVOA_N

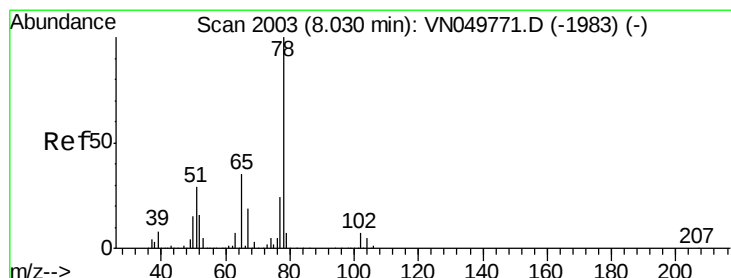
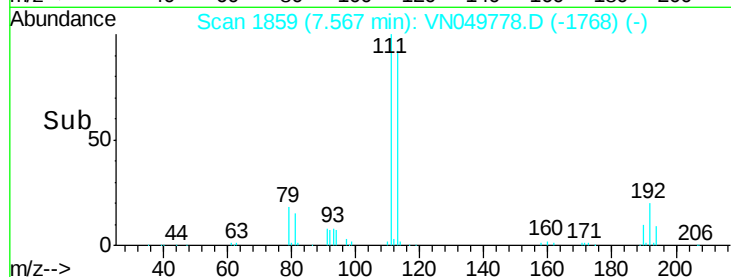
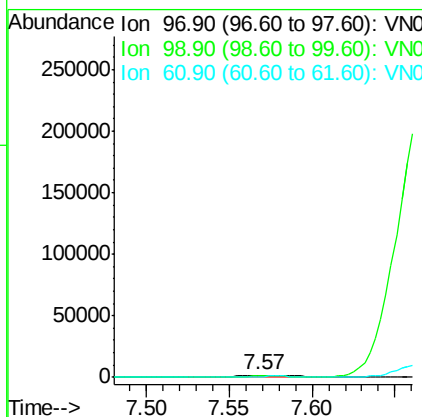
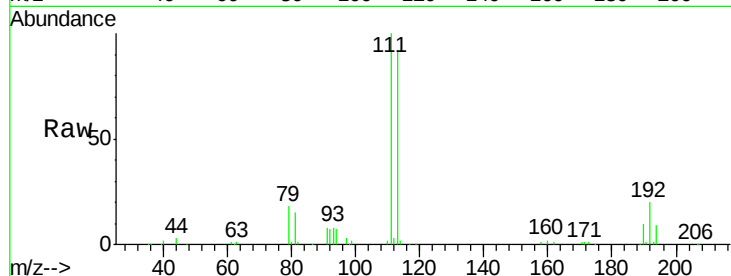
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	97	Resp:	4772
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.0	76.4#
61	45.9	35.5	53.3

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#33

1,2-Dichloroethane-d4

Concen: 54.13 ug/l

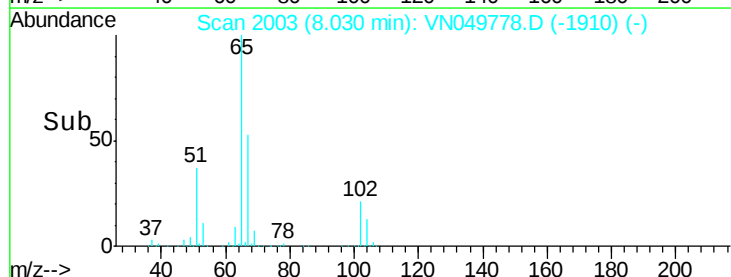
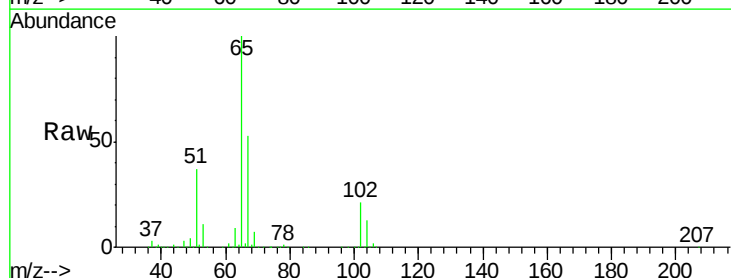
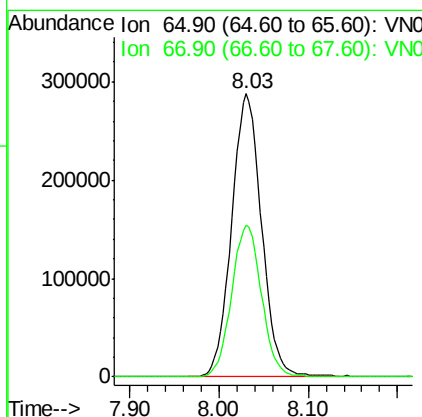
RT: 8.03 min Scan# 2003

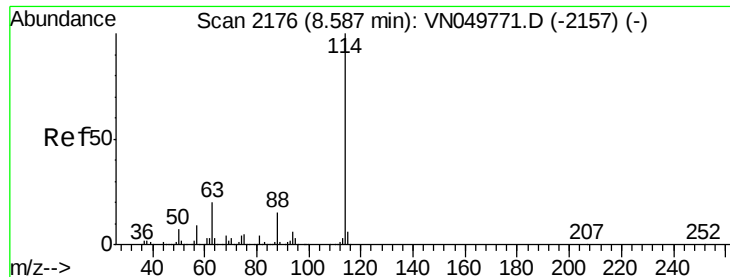
Delta R.T. 0.00 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Tgt Ion:	65	Resp:	670270
Ion Ratio	Lower	Upper	
65	100		
67	53.5	0.0	107.2





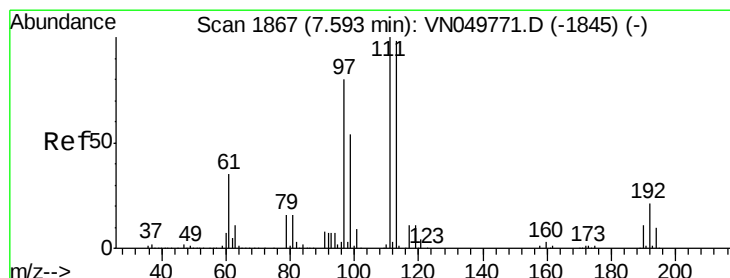
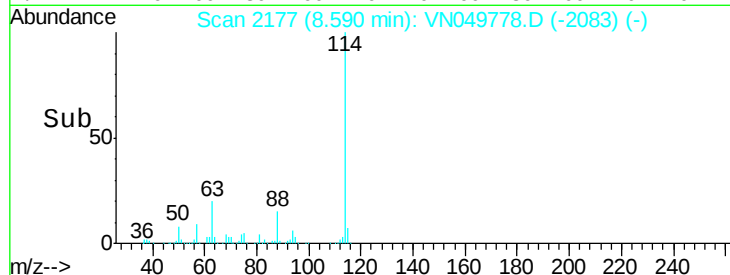
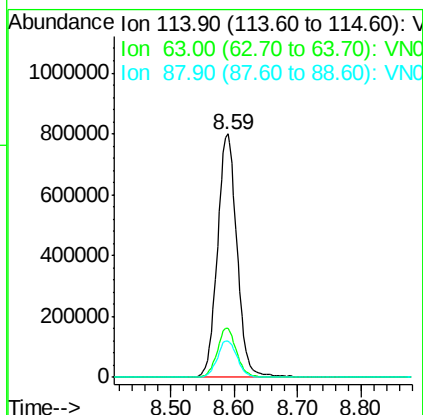
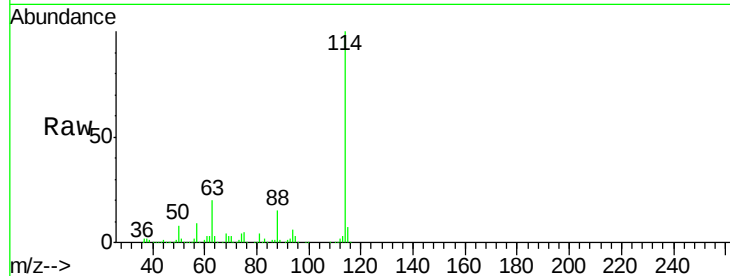
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049778.D
 Acq: 12 Jul 2018 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.8
88	15.0	0.0	30.6

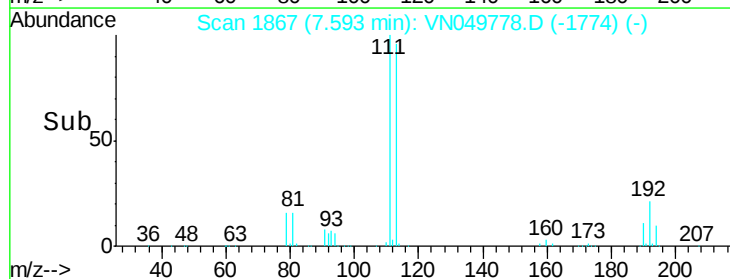
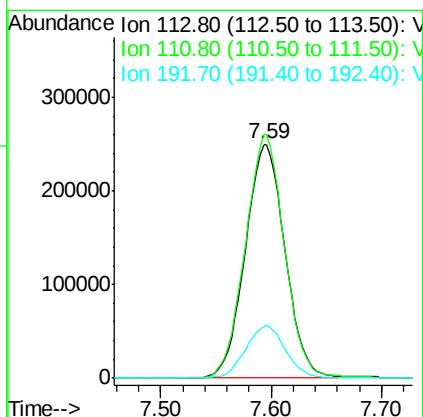
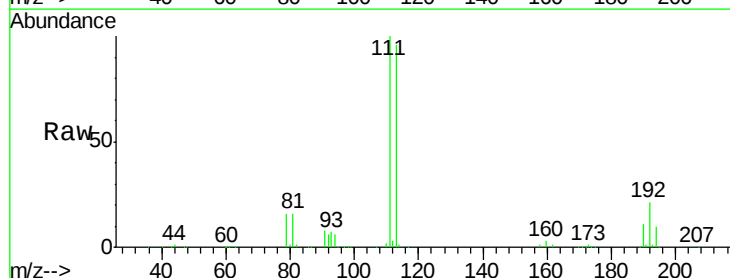
Manual Integrations
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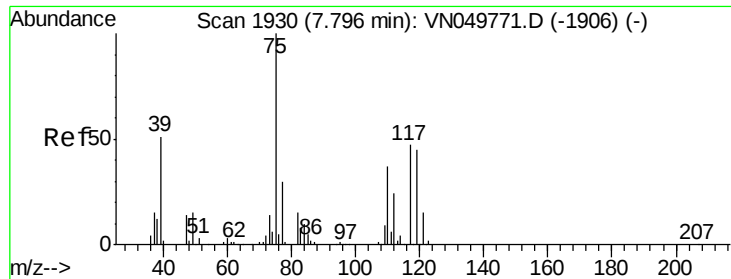
MMDadoda
 7/13/2018 1:35:17 PM



#35
 Dibromofluoromethane
 Concen: 48.62 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049778.D
 Acq: 12 Jul 2018 19:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.8	122.8
192	22.6	17.8	26.6





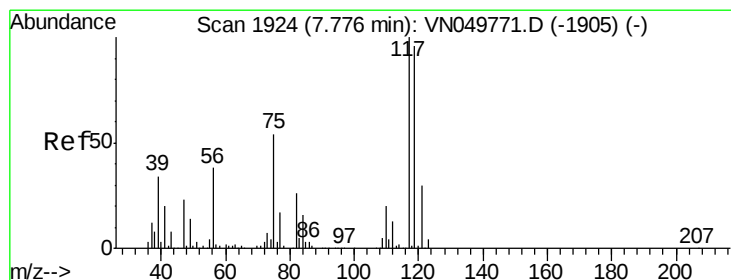
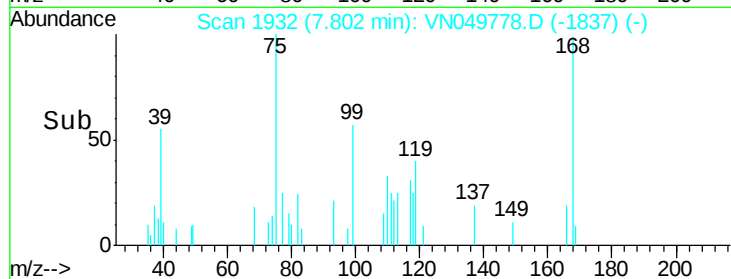
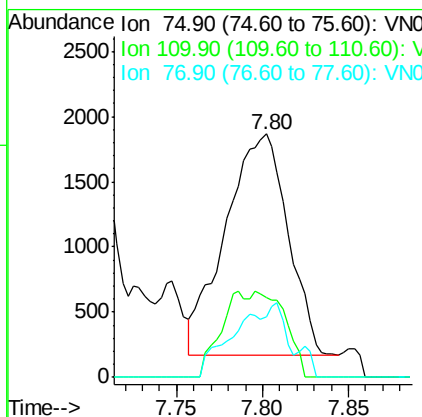
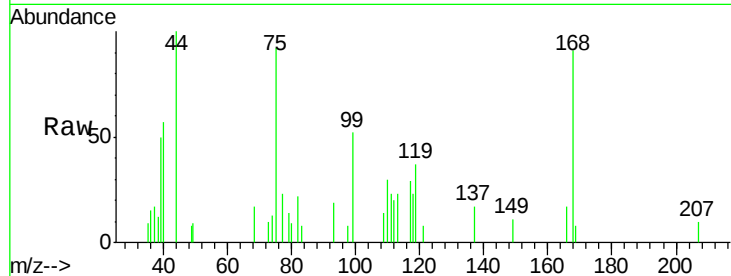
#36
 1,1-Dichloropropene
 Concen: 0.22 ug/l
 RT: 7.80 min Scan# 1932
 Delta R.T. 0.01 min
 Lab File: VN049778.D
 Acq: 12 Jul 2018 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
75	100		
110	15.6	18.1	54.4#
77	16.5	24.9	37.3#

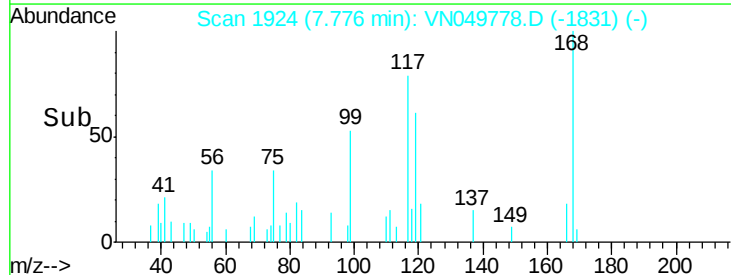
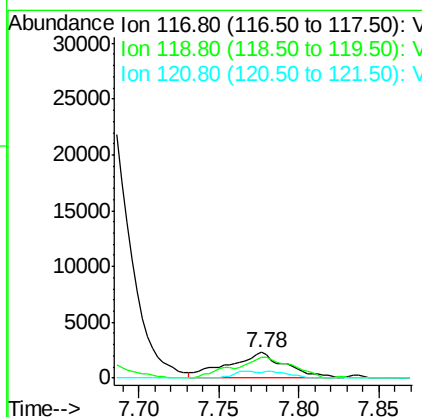
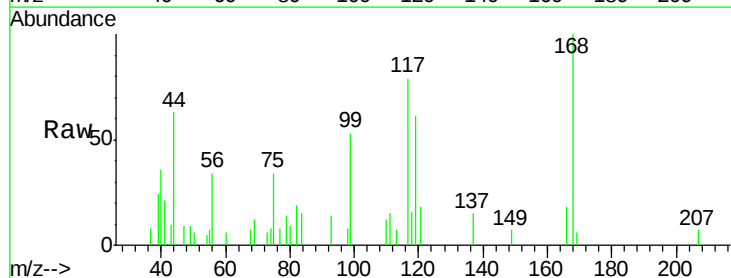
Manual Integrations
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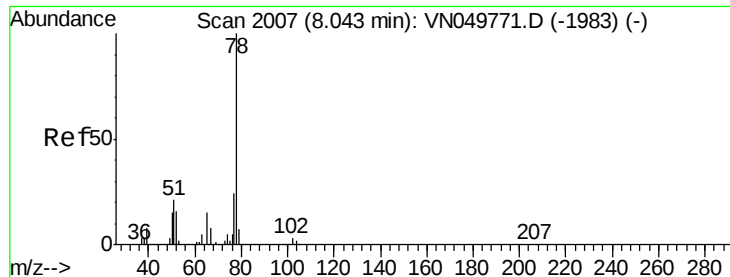
MMDadoda
 7/13/2018 1:35:17 PM



#38
 Carbon Tetrachloride
 Concen: 0.28 ug/l
 RT: 7.78 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VN049778.D
 Acq: 12 Jul 2018 19:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	78.3	77.2	115.8
121	22.8	25.0	37.6#





#40

Benzene

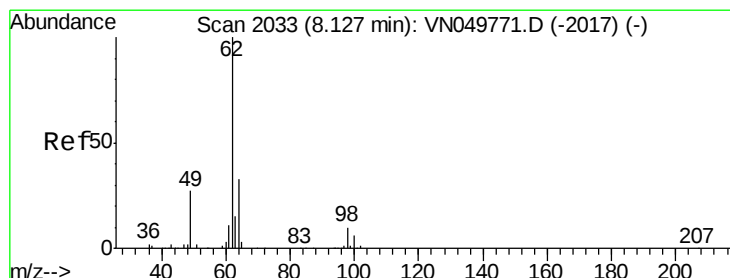
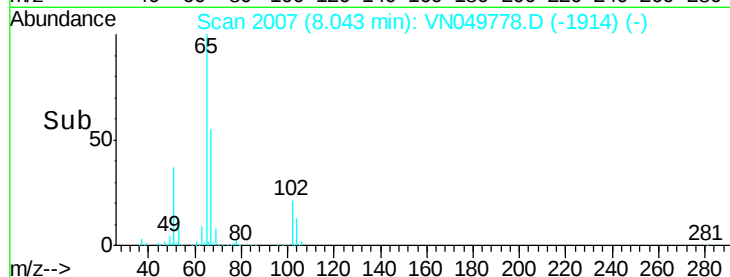
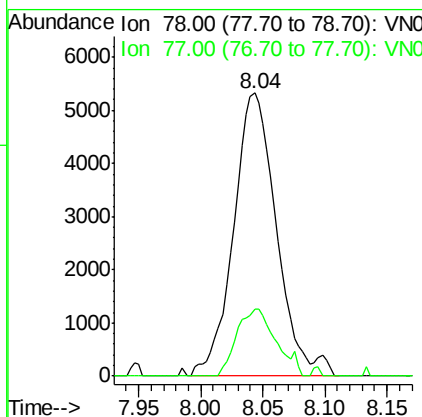
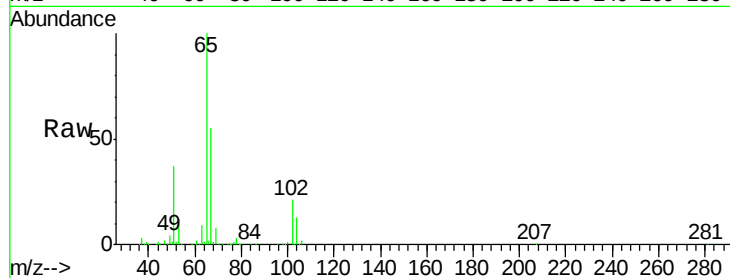
Concen: 0.22 ug/l m
 RT: 8.04 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: VN049778.D
 Acq: 12 Jul 2018 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4

Manual Integrations
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MMDadoda
 7/13/2018 1:35:17 PM

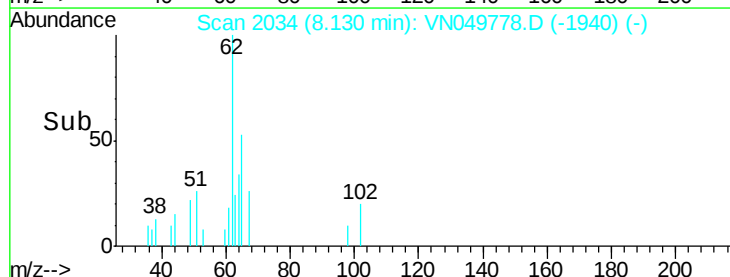
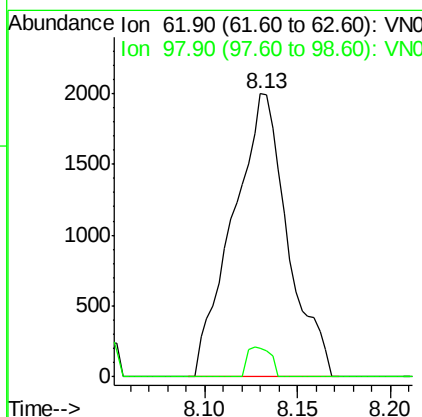
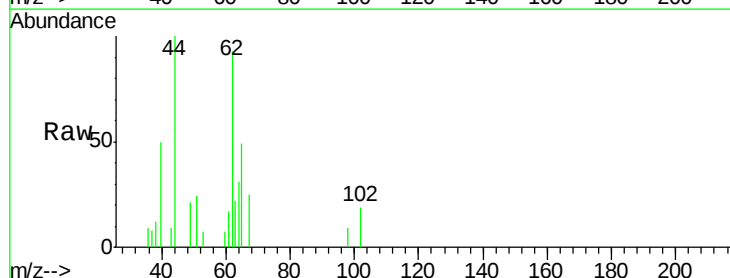


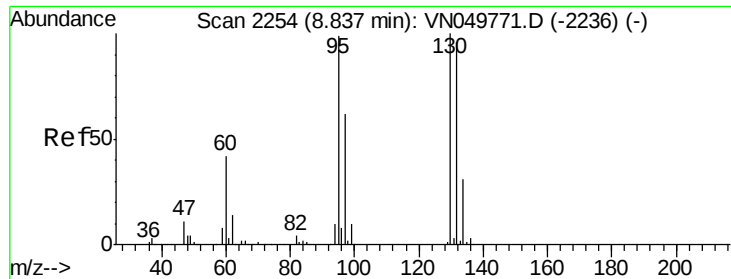
#42

1,2-Dichloroethane

Concen: 0.21 ug/l
 RT: 8.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VN049778.D
 Acq: 12 Jul 2018 19:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.5	0.0	19.0





#44

Trichloroethene

Concen: 0.23 ug/l

RT: 8.84 min Scan# 2255

Delta R.T. 0.00 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:130 Resp: 3649

Ion Ratio Lower Upper

130 100

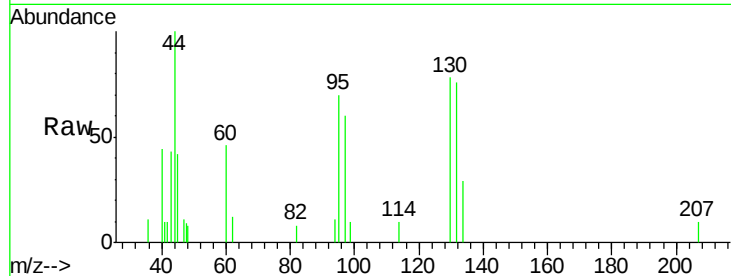
95 90.1 0.0 192.8

Manual Integrations

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

8.84

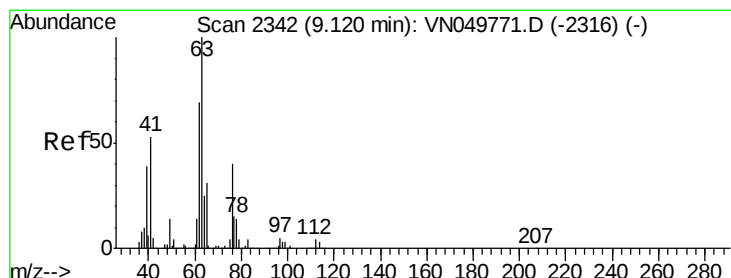
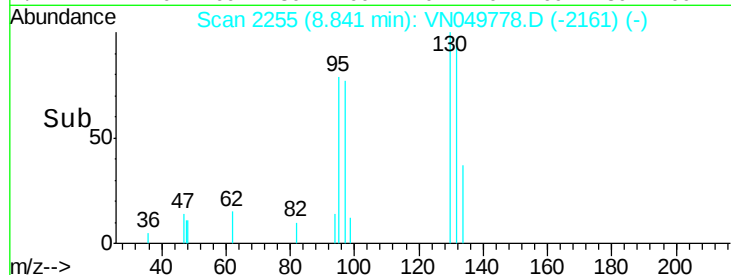
1500

1000

500

0

Time-->



#45

1,2-Dichloropropane

Concen: 0.20 ug/l

RT: 9.13 min Scan# 2344

Delta R.T. 0.01 min

Lab File: VN049778.D

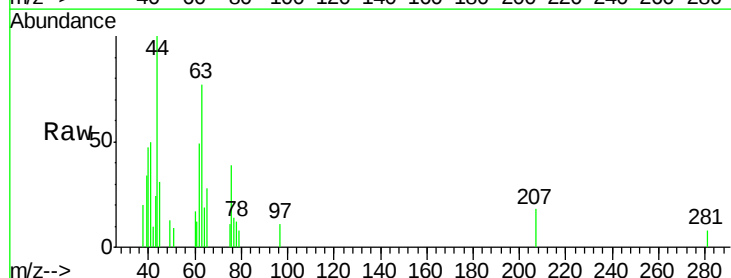
Acq: 12 Jul 2018 19:19

Tgt Ion: 63 Resp: 3175

Ion Ratio Lower Upper

63 100

65 35.8 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.13

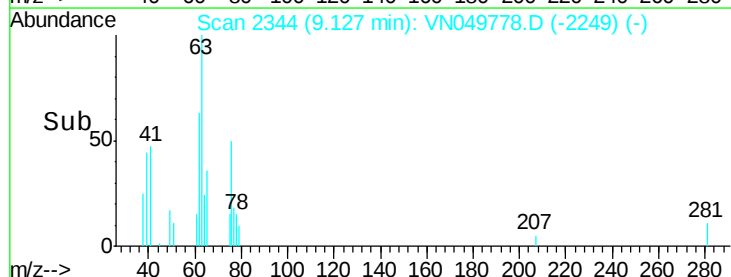
1500

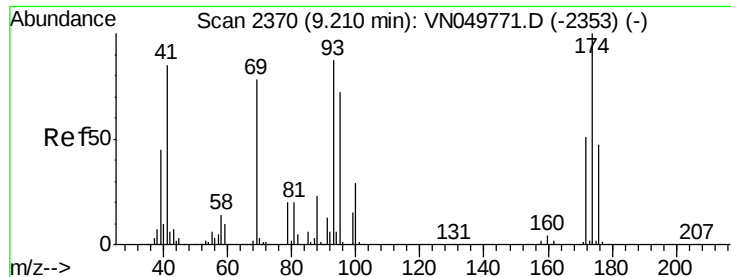
1000

500

0

Time-->





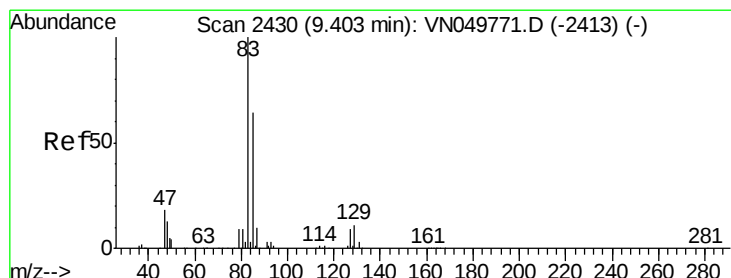
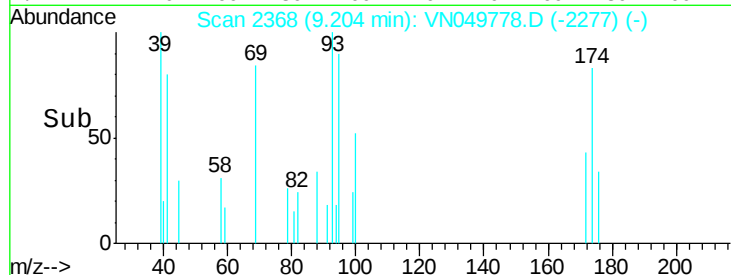
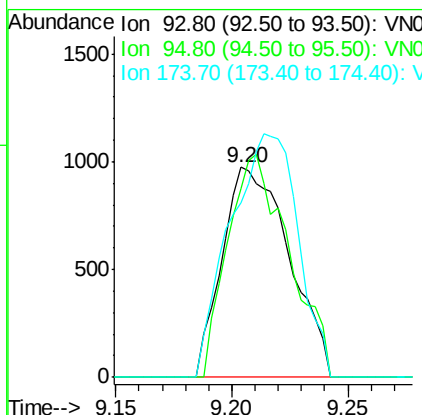
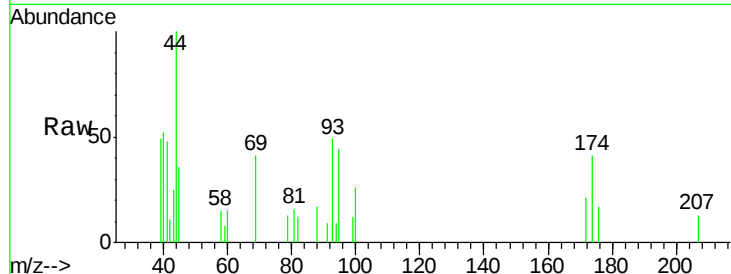
#46
Dibromomethane
Concen: 0.21 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. -0.01 min
Lab File: VN049778.D
Acq: 12 Jul 2018 19:19

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 93 Resp: 1959
Ion Ratio Lower Upper
93 100
95 96.9 67.9 101.9
174 117.6 89.4 134.0

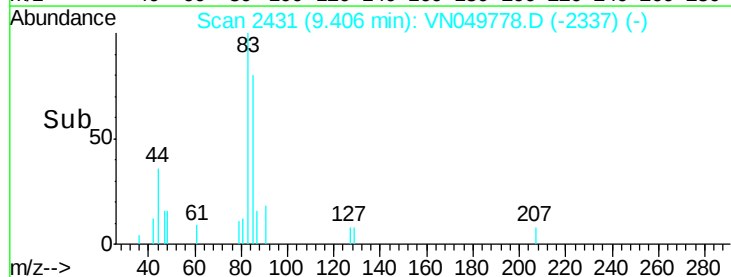
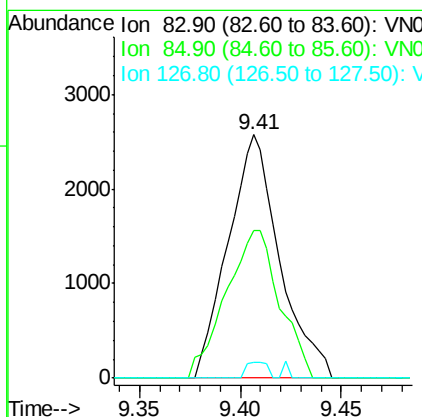
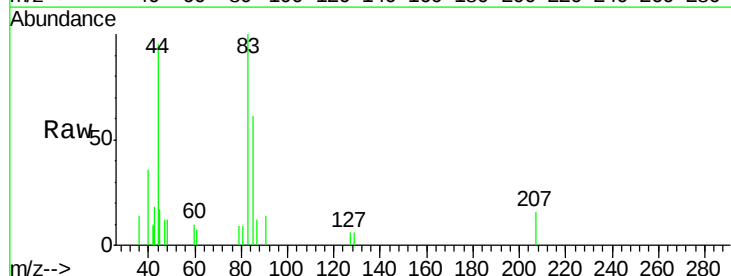
Manual Integrations
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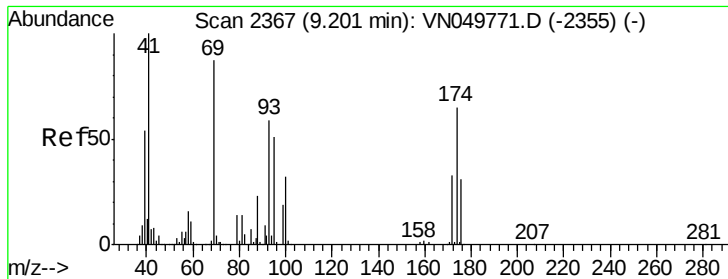
MMDadoda
7/13/2018 1:35:17 PM



#47
Bromodichloromethane
Concen: 0.22 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN049778.D
Acq: 12 Jul 2018 19:19

Tgt Ion: 83 Resp: 4578
Ion Ratio Lower Upper
83 100
85 60.7 50.5 75.7
127 6.4 6.8 10.2#





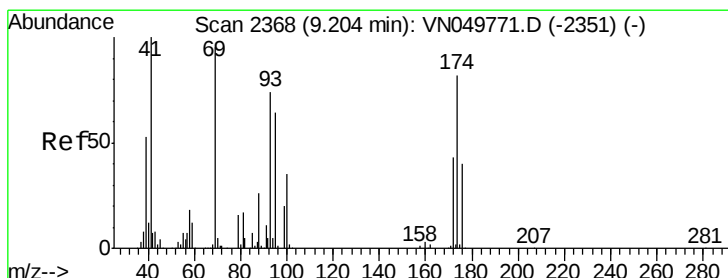
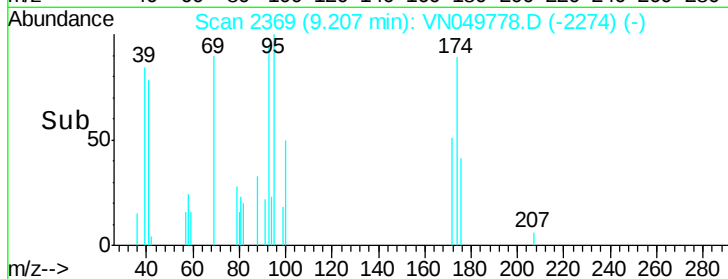
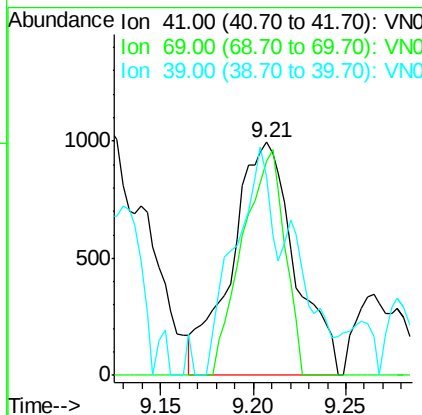
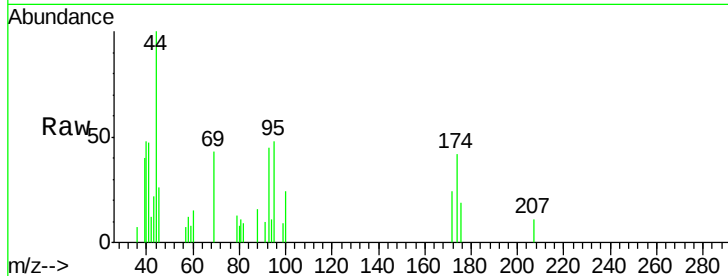
#48
Methvl methacrylate
Concen: 0.23 ug/l
RT: 9.21 min Scan# 2369
Delta R.T. 0.01 min
Lab File: VN049778.D
Acq: 12 Jul 2018 19:19

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
41	100		
69	64.8	71.5	107.3#
39	59.2	44.7	67.1

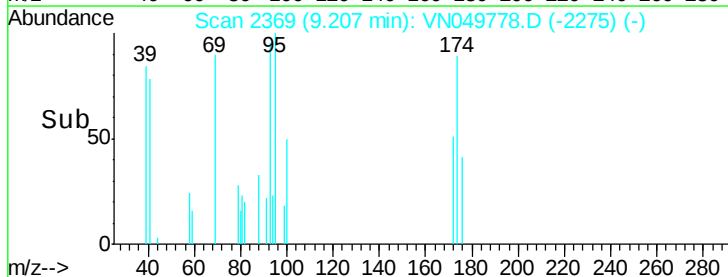
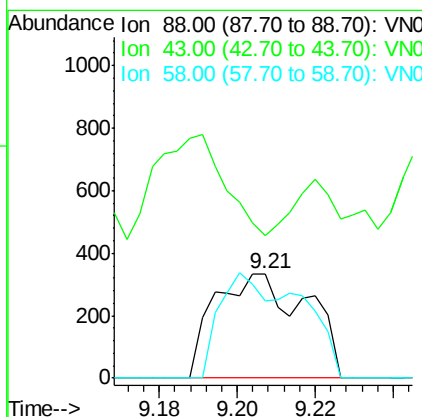
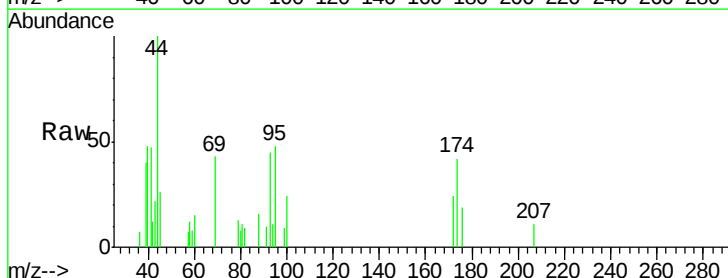
Manual Integrations
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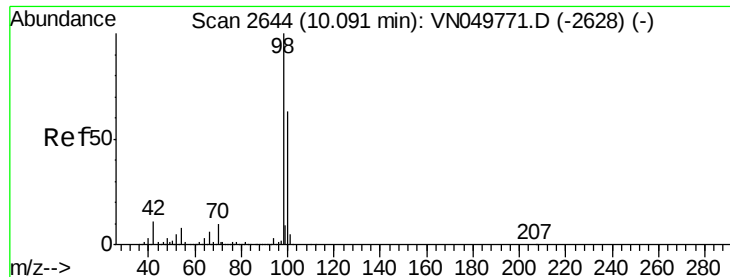
MMDadoda
7/13/2018 1:35:17 PM



#49
1,4-Dioxane
Concen: 3.98 ug/l m
RT: 9.21 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN049778.D
Acq: 12 Jul 2018 19:19

Tgt Ion	Ratio	Lower	Upper
88	100		
43	74.3	25.1	37.7#
58	57.4	52.5	78.7





#50

Toluene-d8

Concen: 43.51 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 98 Resp: 1908933

Ion Ratio Lower Upper

98 100

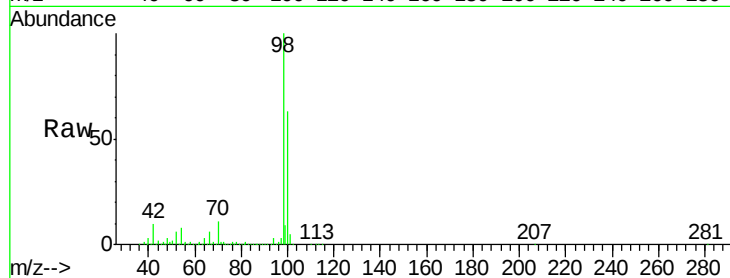
100 63.0 51.7 77.5

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

1200000

1000000

800000

600000

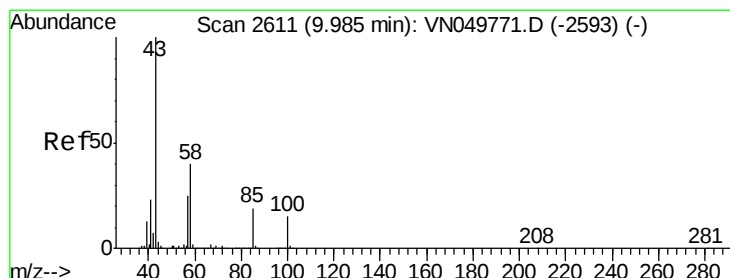
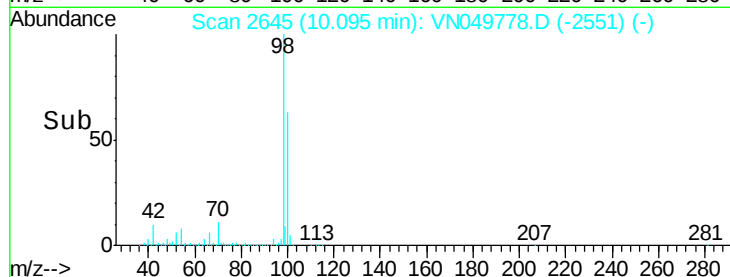
400000

200000

0

10.09

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.82 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049778.D

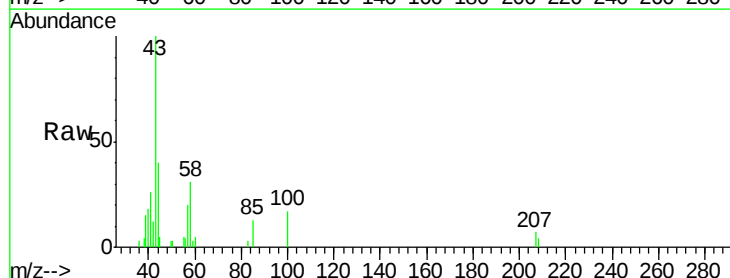
Acq: 12 Jul 2018 19:19

Tgt Ion: 43 Resp: 9231

Ion Ratio Lower Upper

43 100

58 39.2 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

6000

5000

4000

3000

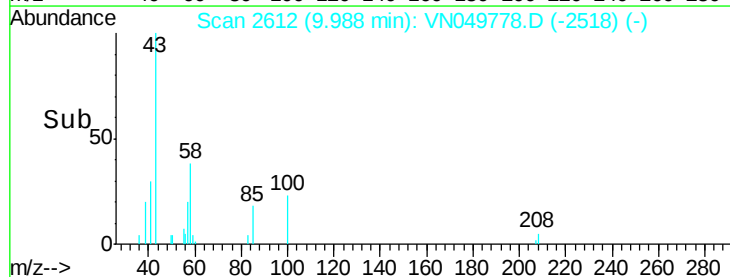
2000

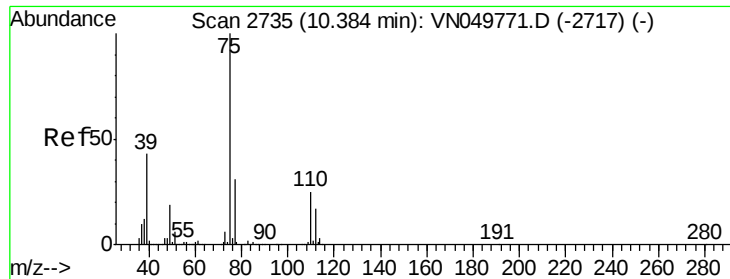
1000

0

9.99

Time-->





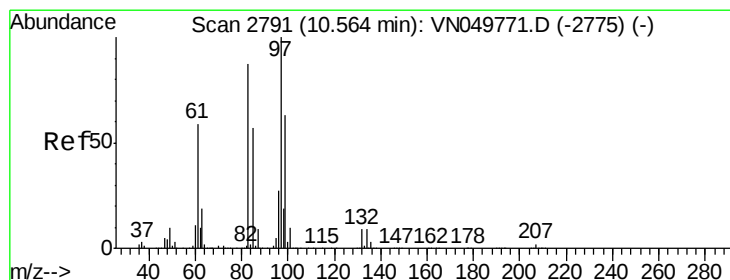
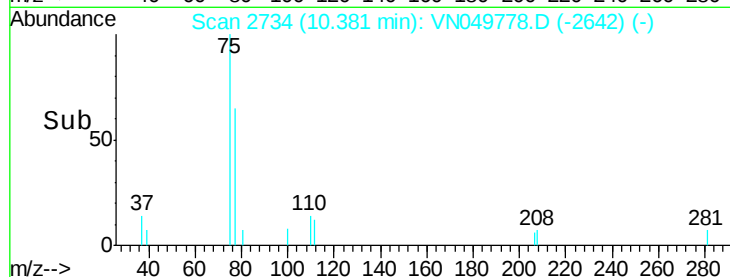
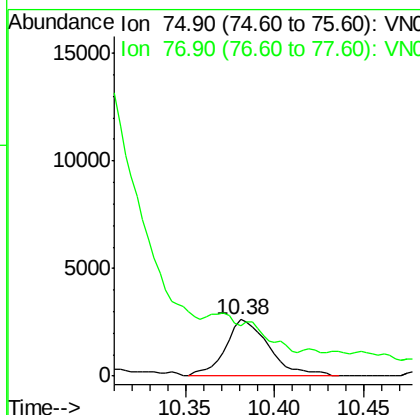
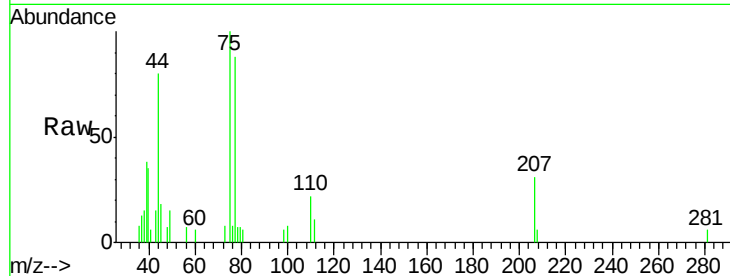
#53
t-1,3-Dichloropropene
Concen: 0.23 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN049778.D
Acq: 12 Jul 2018 19:19

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 75 Resp: 4527
Ion Ratio Lower Upper
75 100
77 44.0 25.2 37.8#

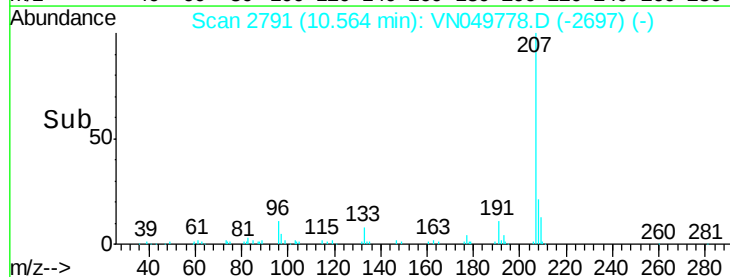
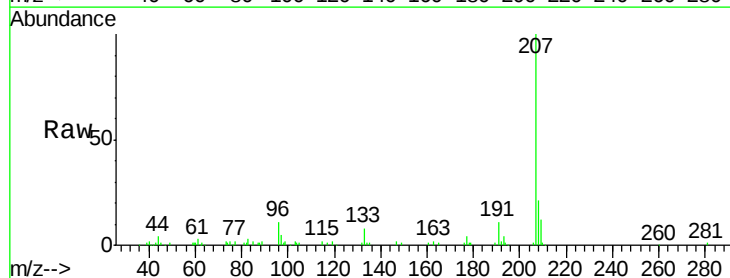
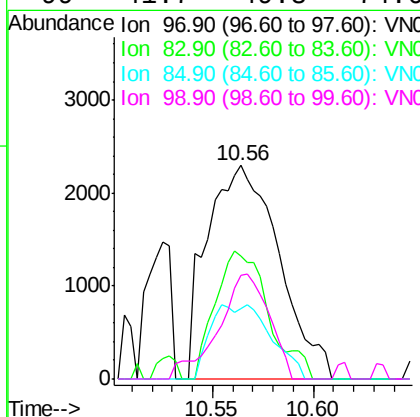
Manual Integrations
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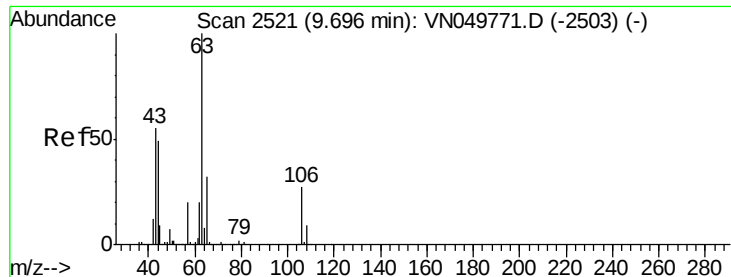
MMDadoda
7/13/2018 1:35:17 PM



#55
1,1,2-Trichloroethane
Concen: Below Cal
RT: 10.56 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN049778.D
Acq: 12 Jul 2018 19:19

Tgt Ion: 97 Resp: 5693
Ion Ratio Lower Upper
97 100
83 57.4 69.0 103.6#
85 33.0 44.9 67.3#
99 41.7 49.8 74.6#





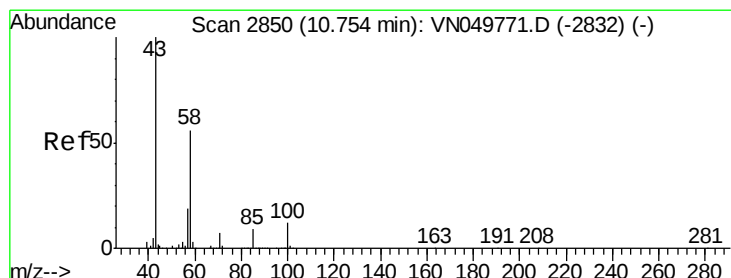
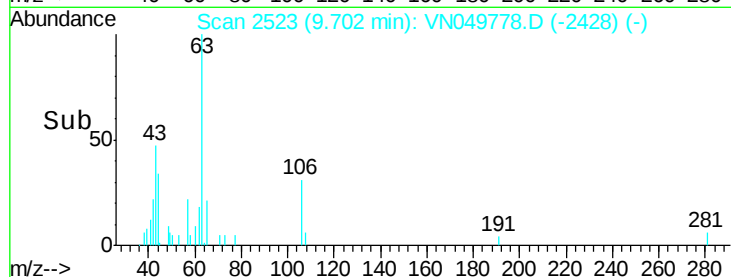
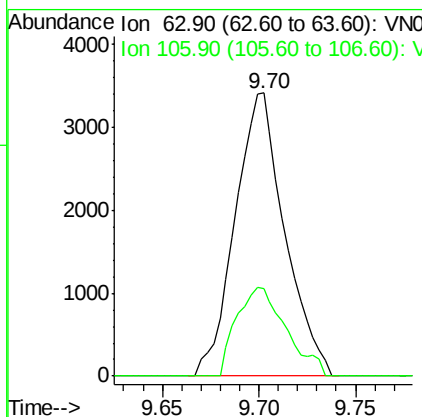
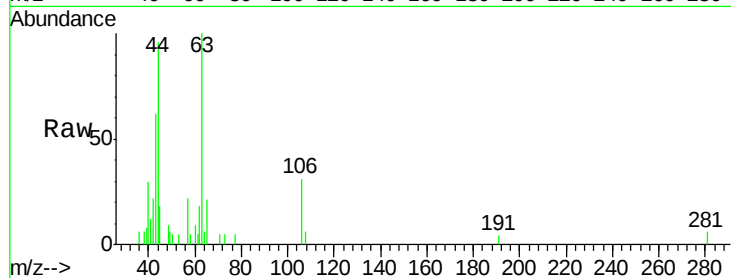
#58
2-Chloroethyl Vinyl ether
Concen: 0.80 ug/l
RT: 9.70 min Scan# 2523
Delta R.T. 0.01 min
Lab File: VN049778.D
Acq: 12 Jul 2018 19:19

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 63 Resp: 6103
Ion Ratio Lower Upper
63 100
106 31.2 21.8 32.8

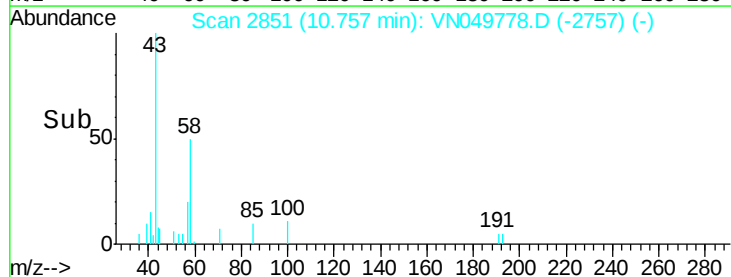
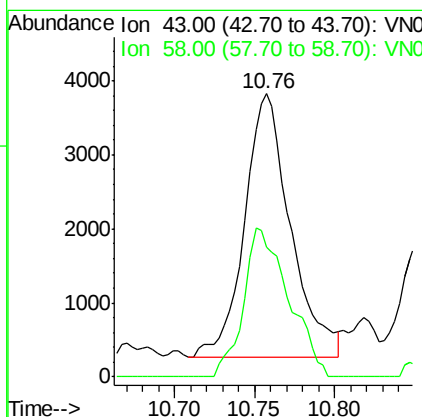
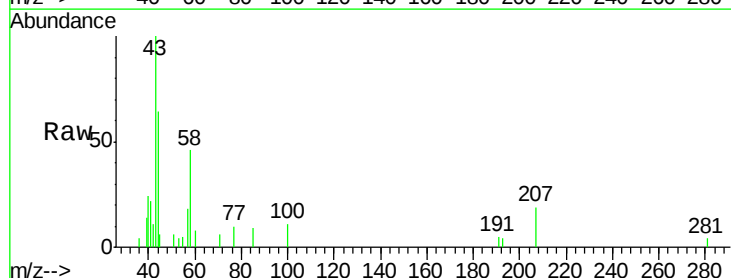
Manual Integrations
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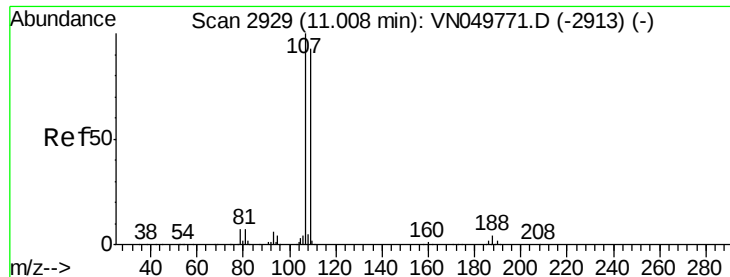
MMDadoda
7/13/2018 1:35:17 PM



#59
2-Hexanone
Concen: 0.93 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN049778.D
Acq: 12 Jul 2018 19:19

Tgt Ion: 43 Resp: 6997
Ion Ratio Lower Upper
43 100
58 55.2 27.8 83.4





#61

1,2-Dibromoethane

Concen: 0.20 ug/l

RT: 11.01 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:107 Resp: 2554

Ion Ratio Lower Upper

107 100

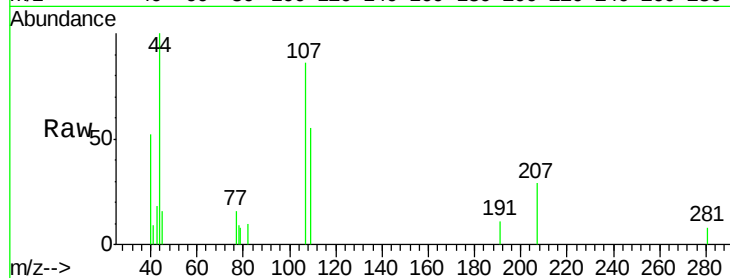
109 76.9 75.0 112.6

Manual Integrations

APPROVED

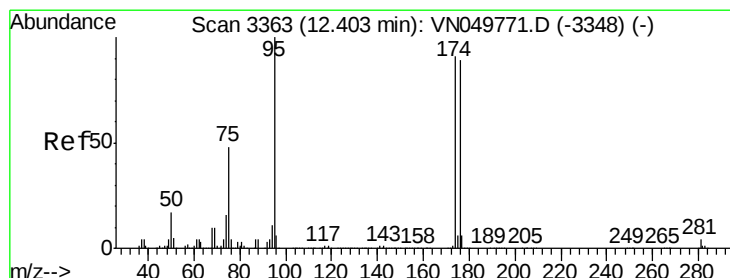
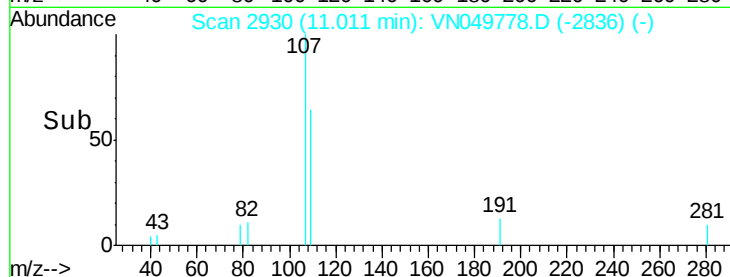
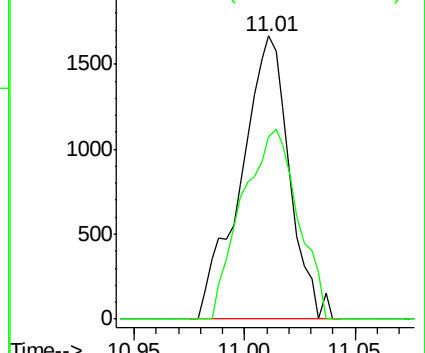
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 37.07 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

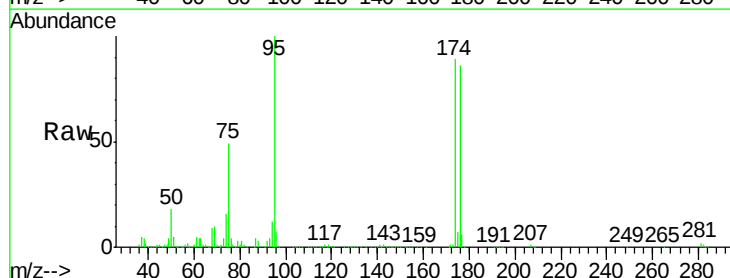
Tgt Ion: 95 Resp: 580903

Ion Ratio Lower Upper

95 100

174 90.9 0.0 179.6

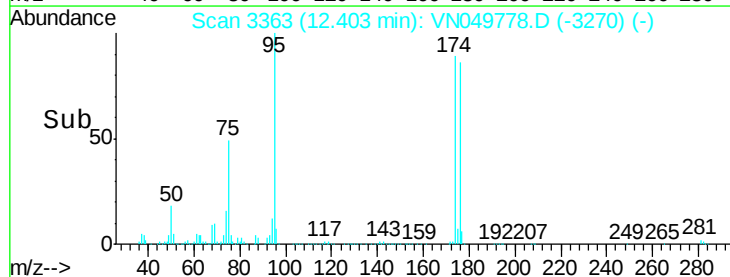
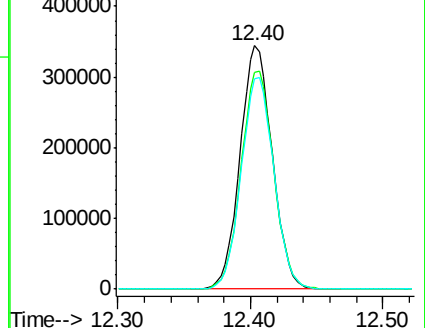
176 88.1 0.0 174.0

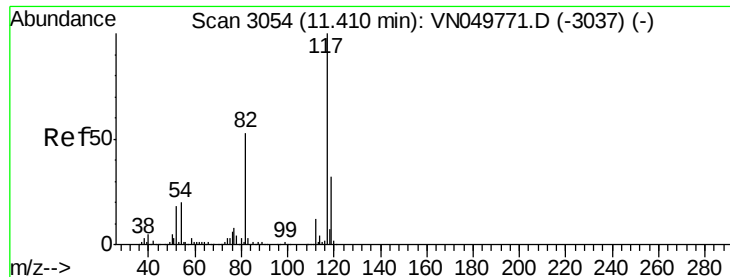


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





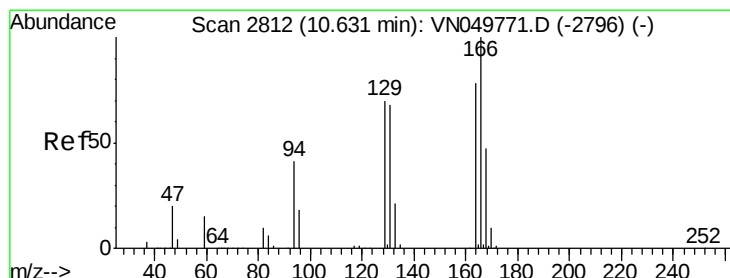
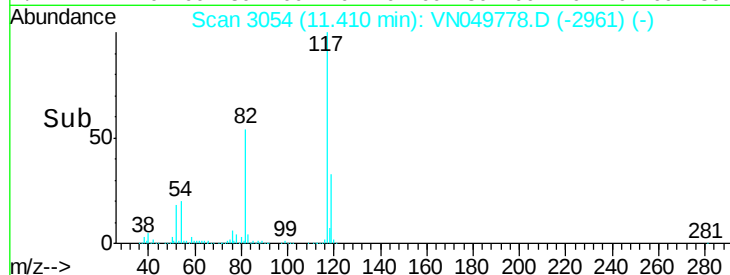
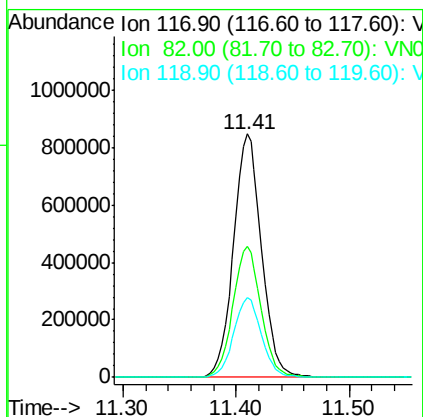
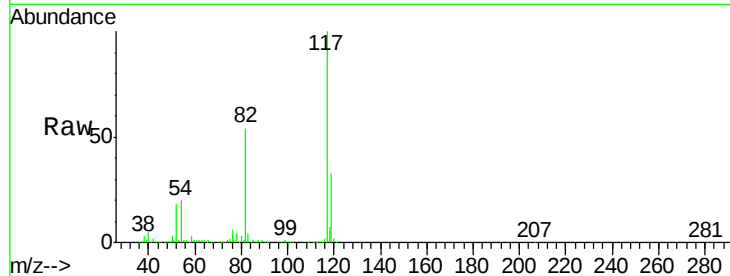
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049778.D
Acq: 12 Jul 2018 19:19

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion:117 Resp: 1458559
Ion Ratio Lower Upper
117 100
82 53.6 41.9 62.9
119 32.5 25.4 38.2

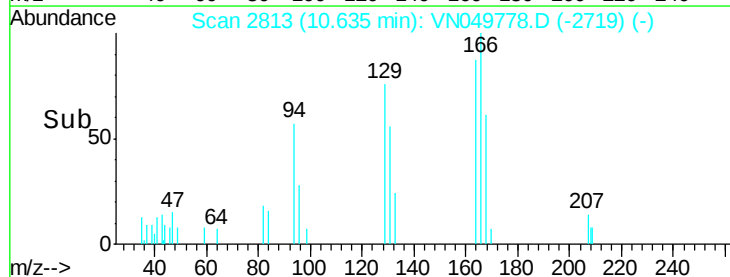
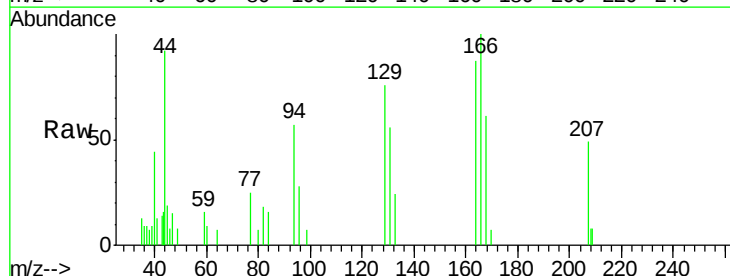
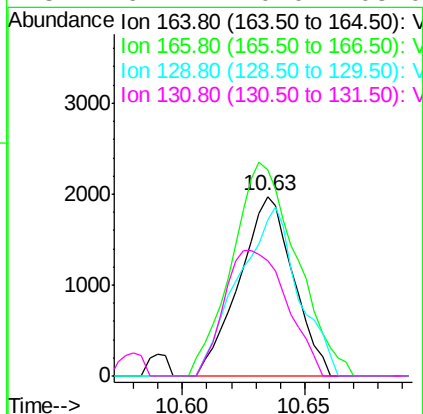
Manual Integrations
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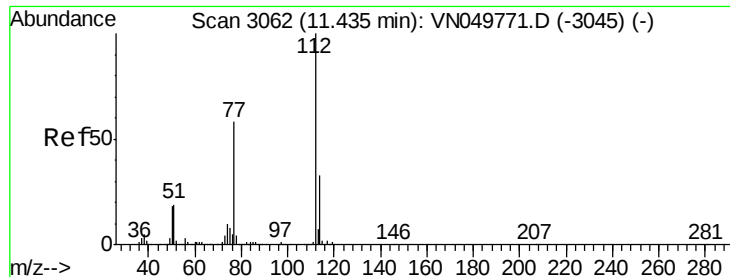
MMDadoda
7/13/2018 1:35:17 PM



#64
Tetrachloroethene
Concen: 0.23 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049778.D
Acq: 12 Jul 2018 19:19

Tgt Ion:164 Resp: 3028
Ion Ratio Lower Upper
164 100
166 114.5 101.8 152.6
129 87.3 72.8 109.2
131 64.4 70.0 105.0#





#65

Chlorobenzene

Concen: 0.24 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:112 Resp: 8967

Ion Ratio Lower Upper

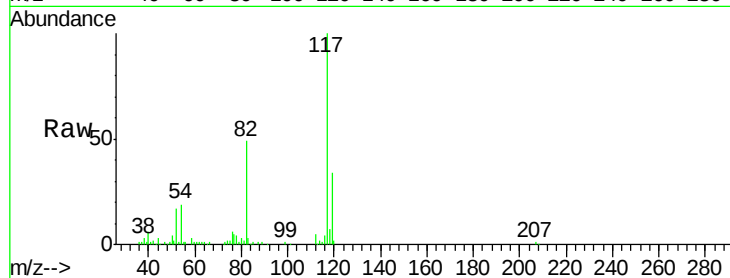
112 100

114 30.4 25.4 38.0

Manual Integrations
APPROVED

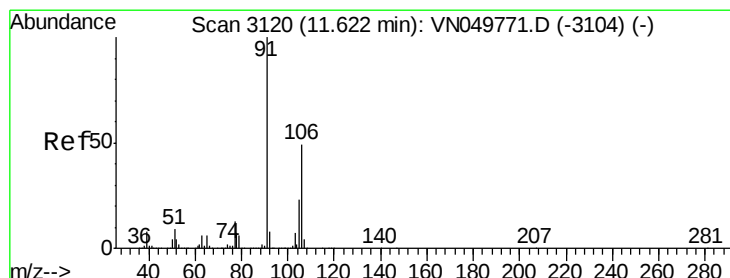
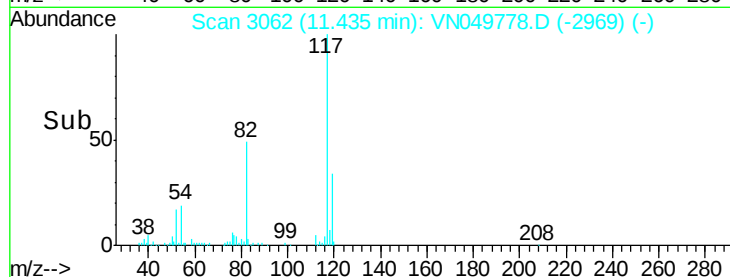
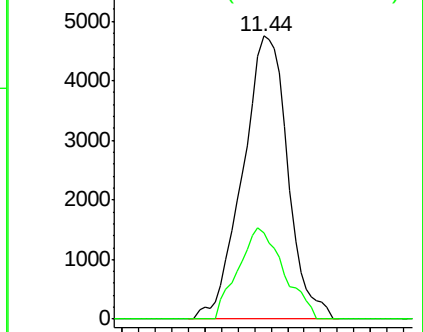
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#68

m/p-Xylenes

Concen: 0.39 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049778.D

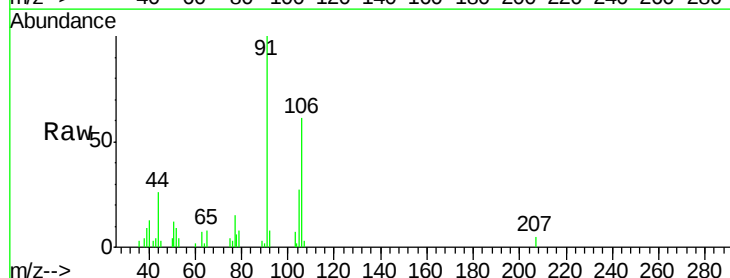
Acq: 12 Jul 2018 19:19

Tgt Ion:106 Resp: 9051

Ion Ratio Lower Upper

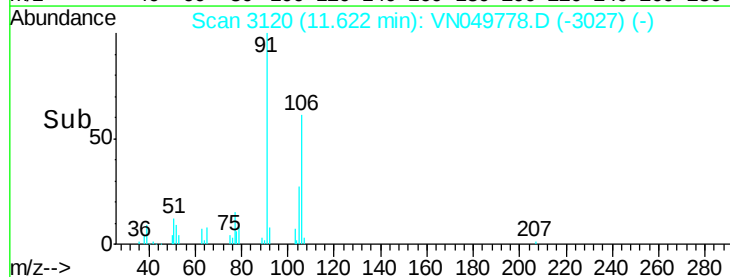
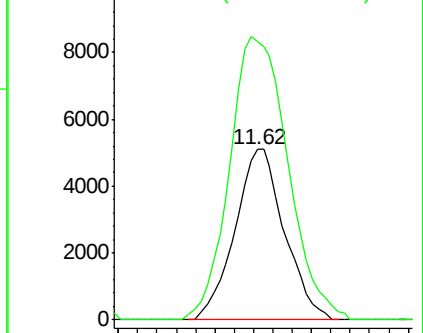
106 100

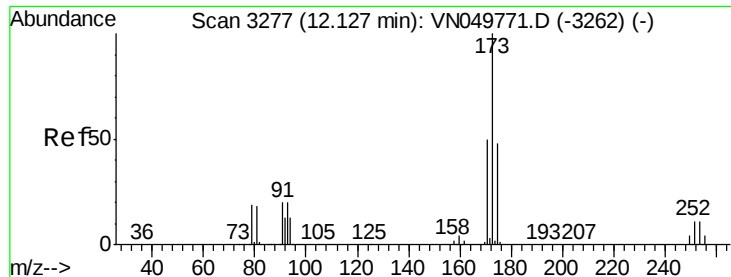
91 196.3 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





#71

Bromoform

Concen: 0.20 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Instrument :

MSVOA_N

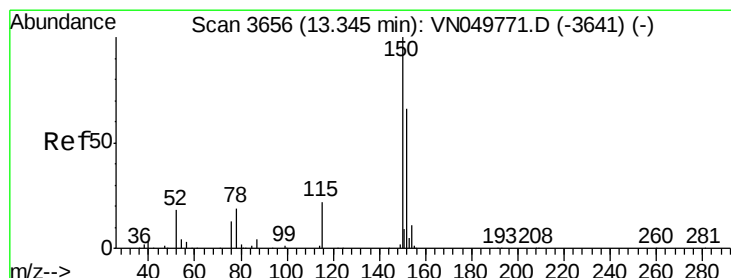
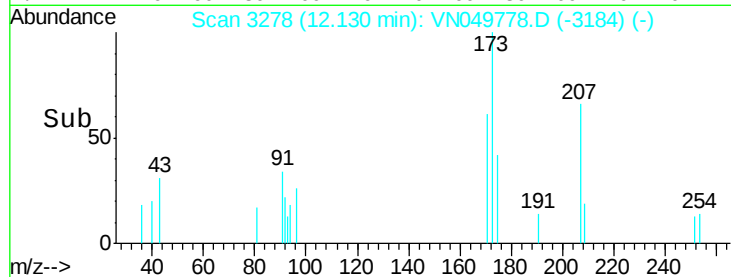
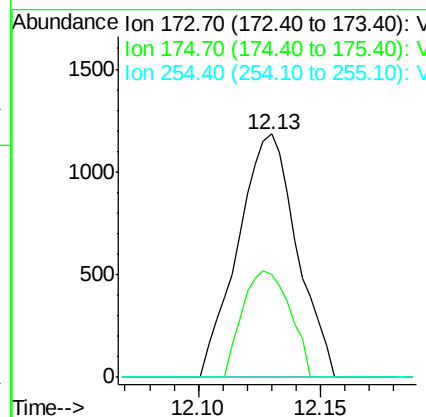
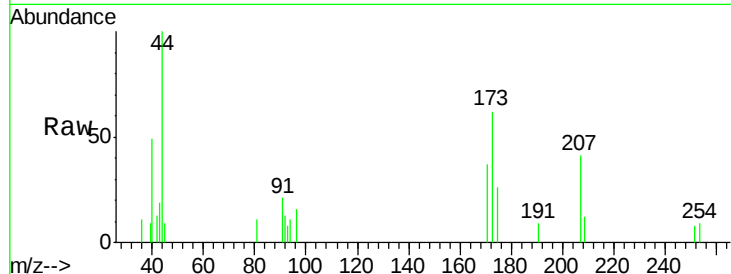
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	173	Resp:	1977
Ion Ratio	Lower	Upper	
173	100		
175	0.0	24.6	73.8#
254	0.0	0.2	0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

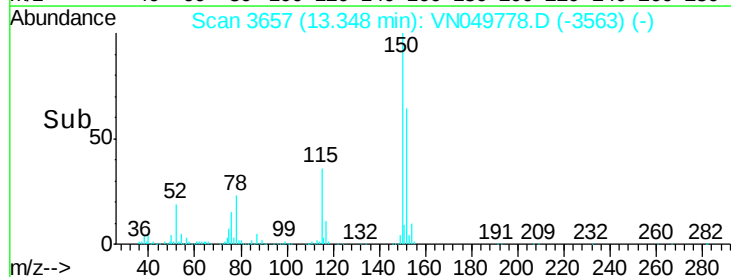
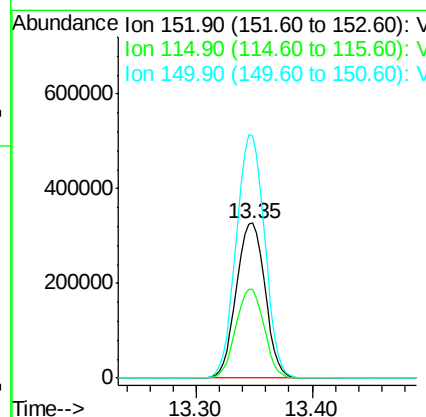
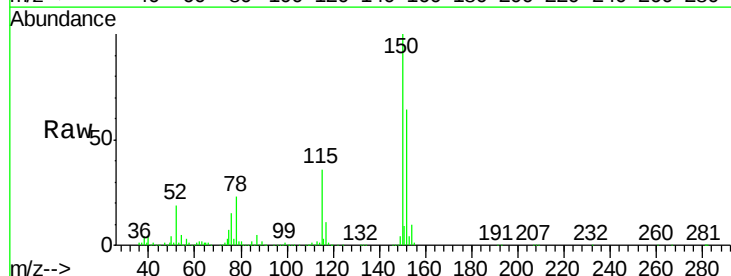
RT: 13.35 min Scan# 3657

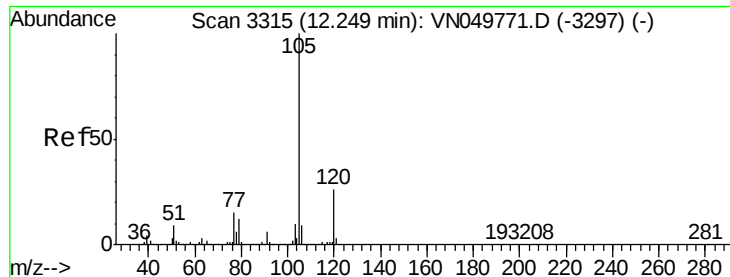
Delta R.T. 0.00 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Tgt Ion:	152	Resp:	562332
Ion Ratio	Lower	Upper	
152	100		
115	56.0	28.1	84.2
150	155.6	0.0	347.6





#73

Isopropylbenzene

Concen: 0.20 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:105 Resp: 9405

Ion Ratio Lower Upper

105 100

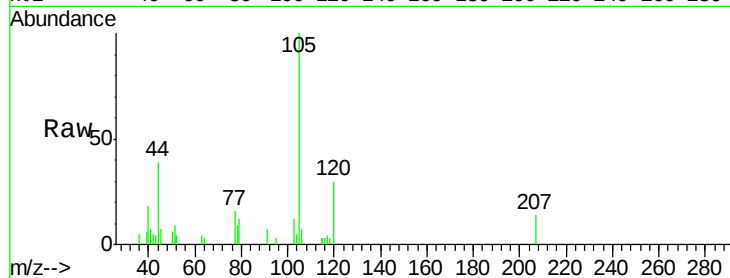
120 27.2 13.3 39.8

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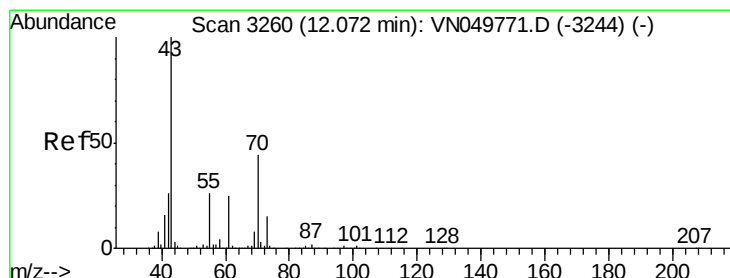
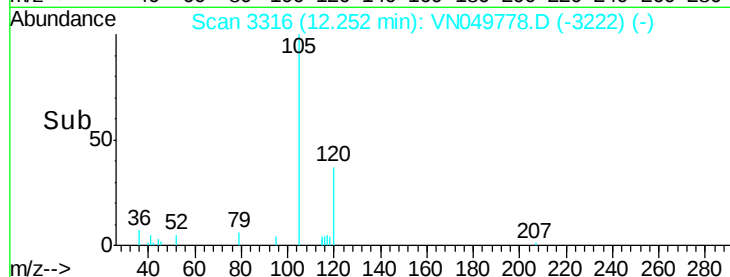
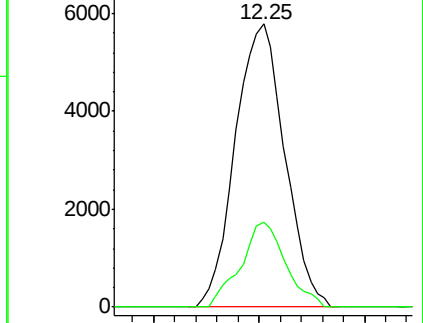
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.23 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Tgt Ion: 43 Resp: 2780

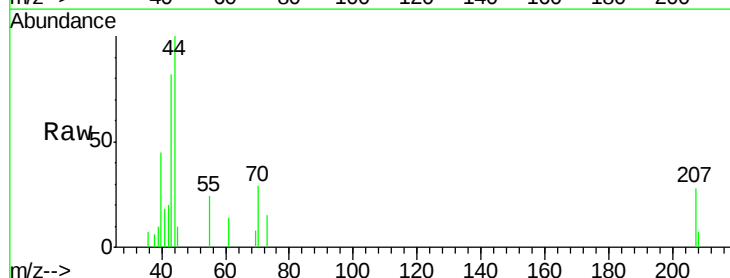
Ion Ratio Lower Upper

43 100

70 39.9 34.8 52.2

55 30.1 20.9 31.3

61 14.0 19.9 29.9#

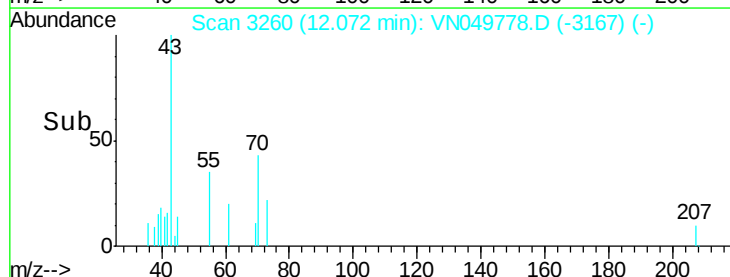
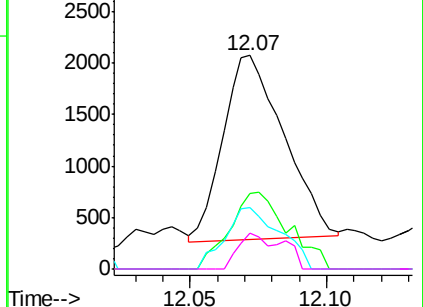


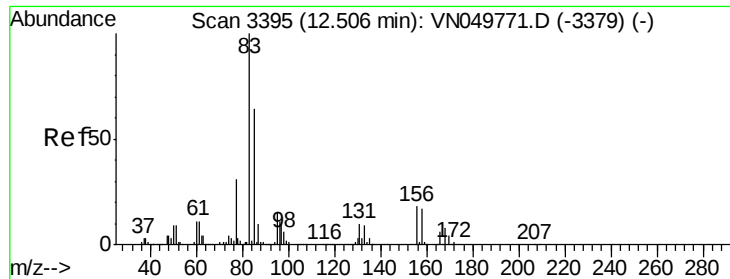
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Instrument :

MSVOA_N

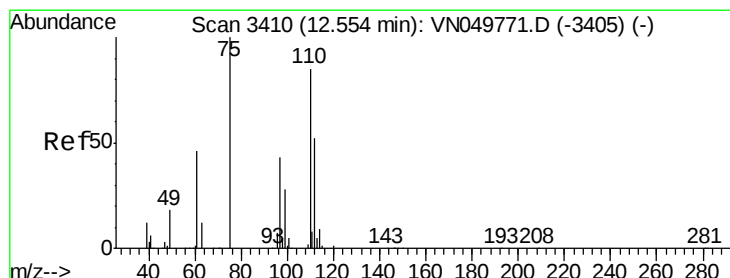
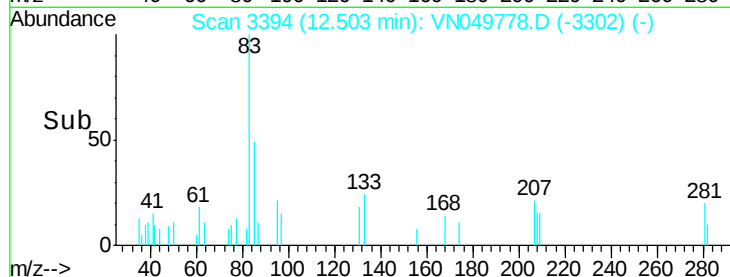
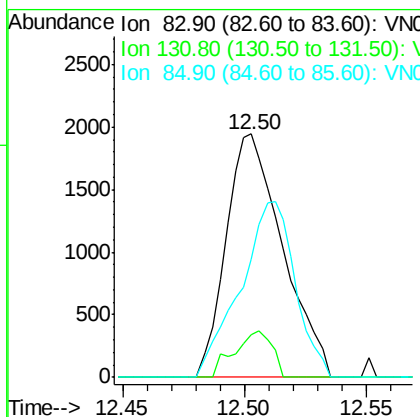
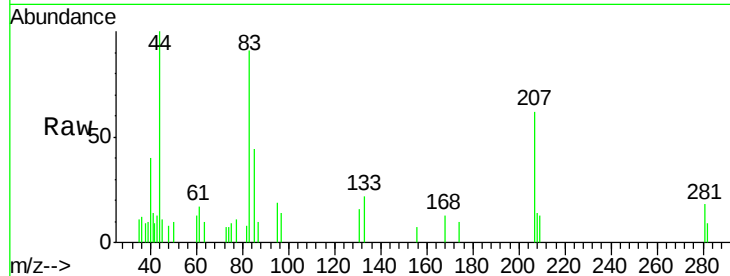
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	83	Resp:	3121
Ion Ratio	Lower	Upper	
83	100		
131	12.7	5.2	15.6
85	69.9	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 0.28 ug/l m

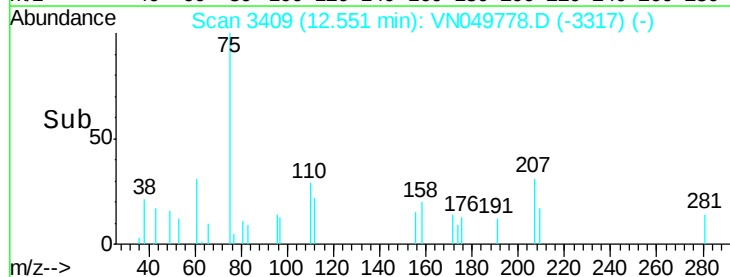
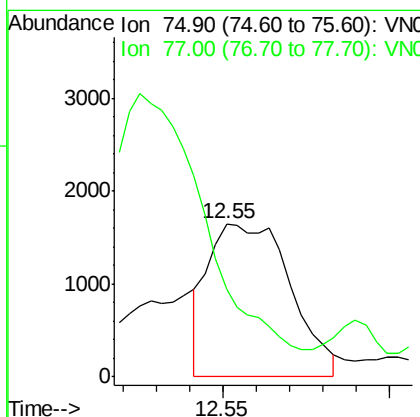
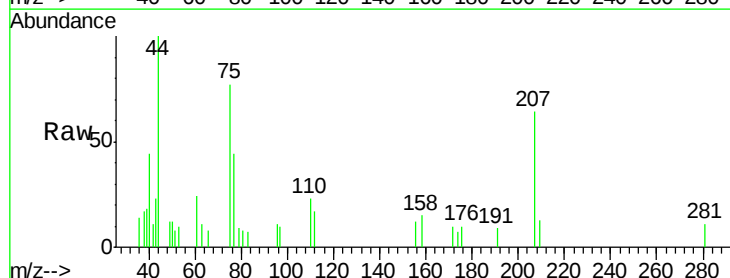
RT: 12.55 min Scan# 3409

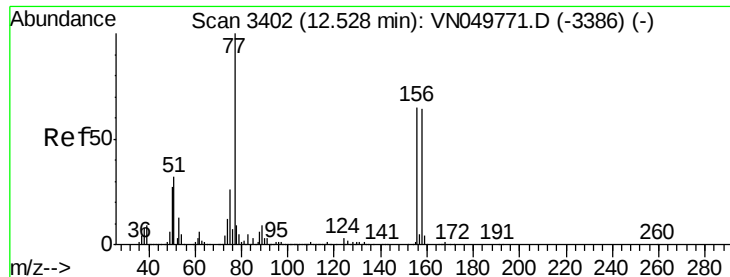
Delta R.T. -0.00 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Tgt Ion:	75	Resp:	2806
Ion Ratio	Lower	Upper	
75	100		
77	162.7	0.0	0.0#





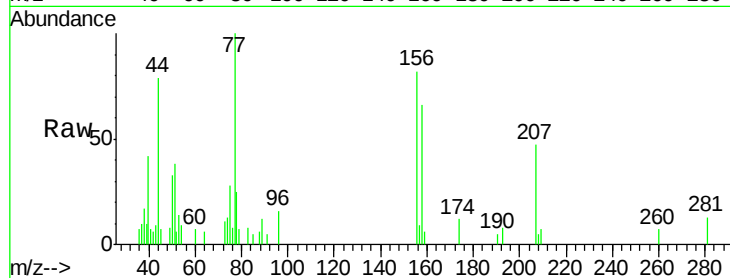
#77
Bromobenzene
Concen: 0.29 ug/l
RT: 12.53 min Scan# 3403
Delta R.T. 0.00 min
Lab File: VN049778.D
Acq: 12 Jul 2018 19:19

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

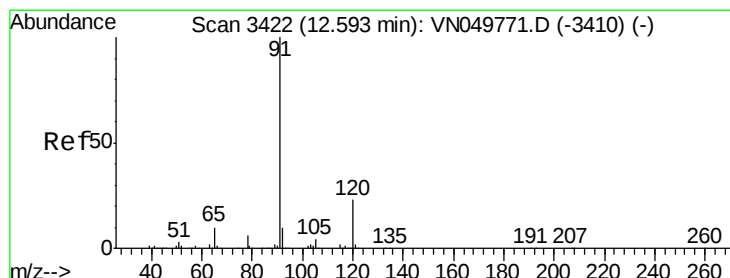
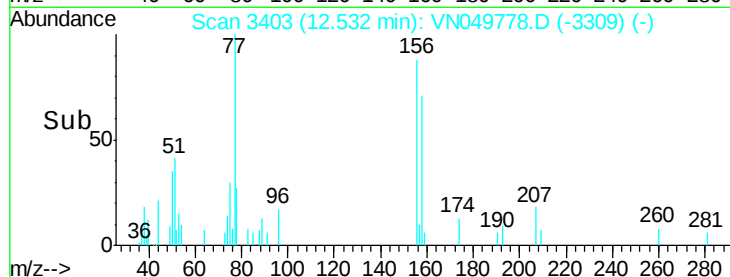
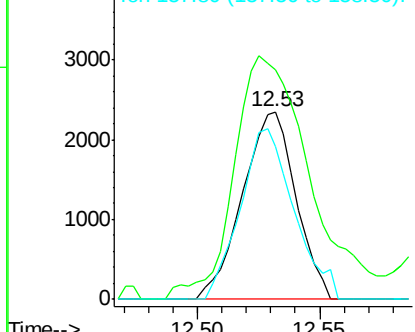
Tot Ion	Ratio	Lower	Upper
156	100		
77	185.9	90.2	270.6
158	91.6	49.1	147.3

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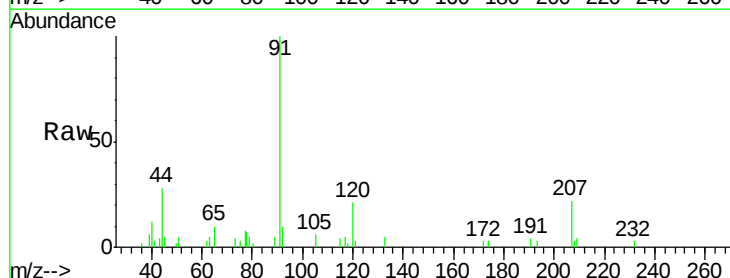


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

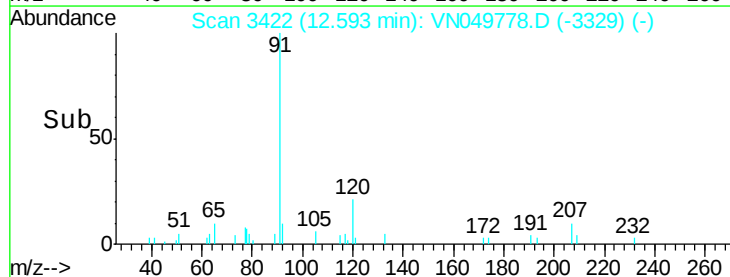
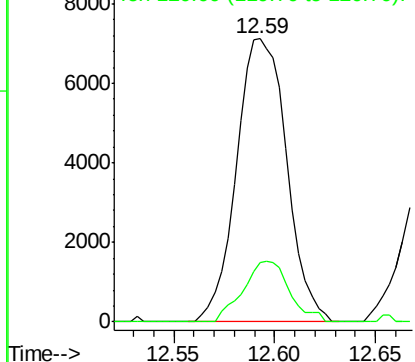


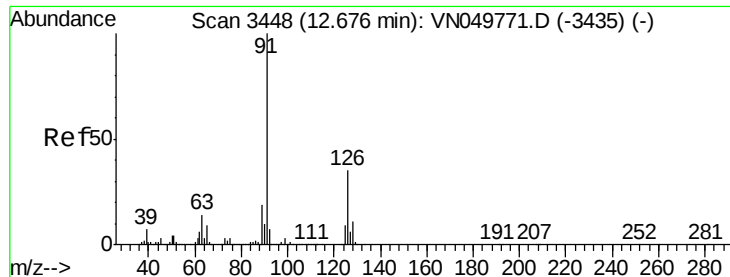
#78
n-propylbenzene
Concen: 0.24 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN049778.D
Acq: 12 Jul 2018 19:19

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.9	11.5	34.4



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.22 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 91 Resp: 7108

Ion Ratio Lower Upper

91 100

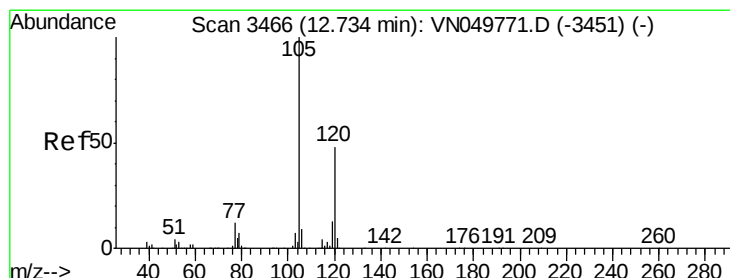
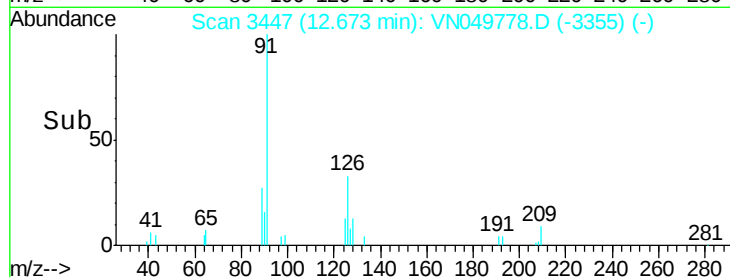
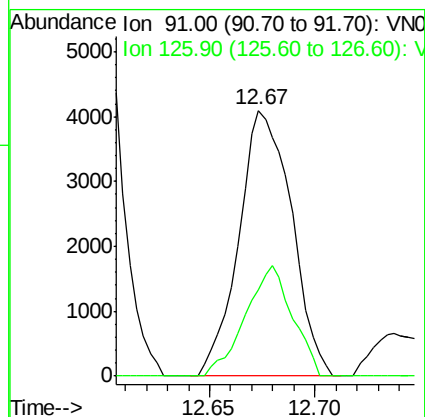
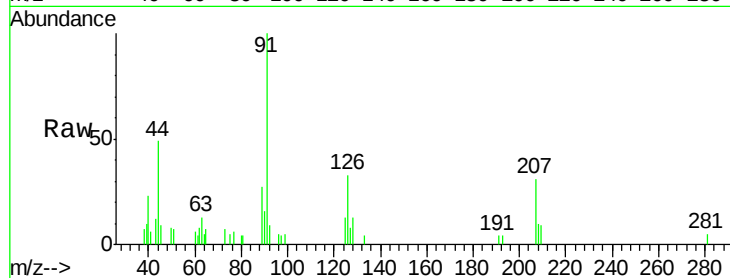
126 36.9 17.5 52.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 0.20 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049778.D

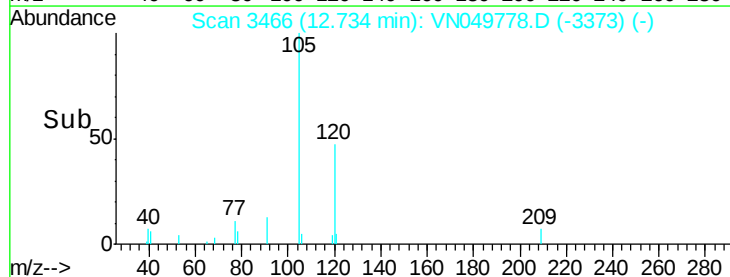
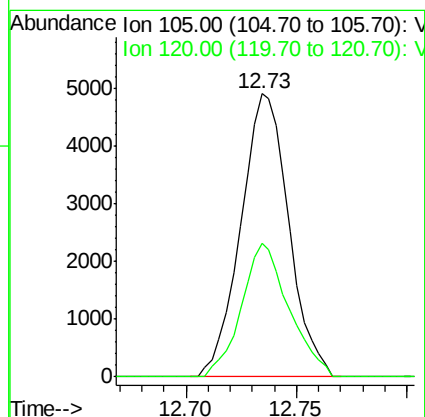
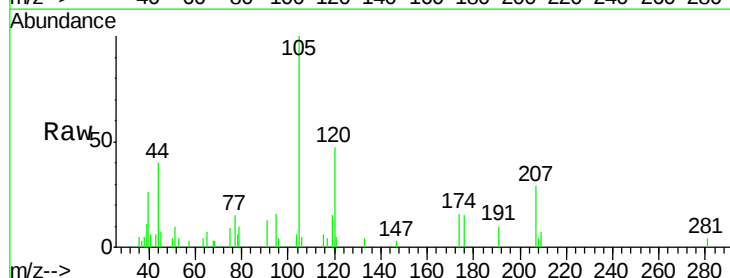
Acq: 12 Jul 2018 19:19

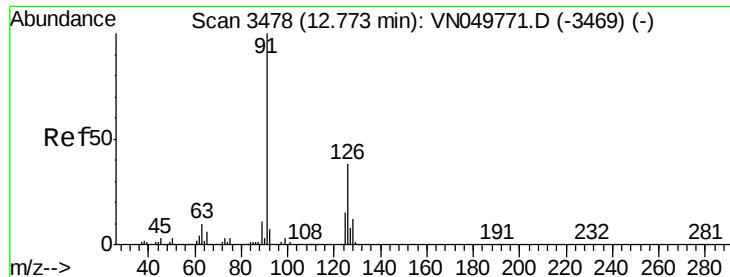
Tgt Ion: 105 Resp: 7436

Ion Ratio Lower Upper

105 100

120 46.6 24.3 72.8





#82

4-Chlorotoluene

Concen: 0.27 ug/l

RT: 12.78 min Scan# 3480

Delta R.T. 0.01 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 91 Resp: 8533

Ion Ratio Lower Upper

91 100

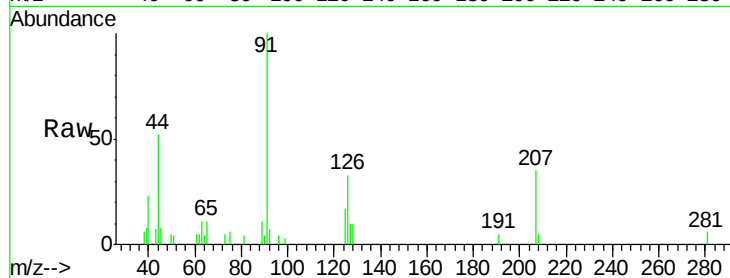
126 32.2 17.2 51.6

Manual Integrations

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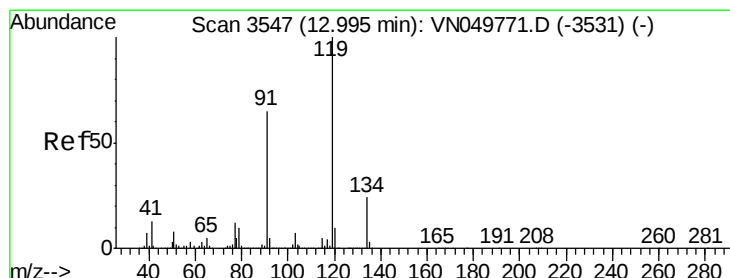
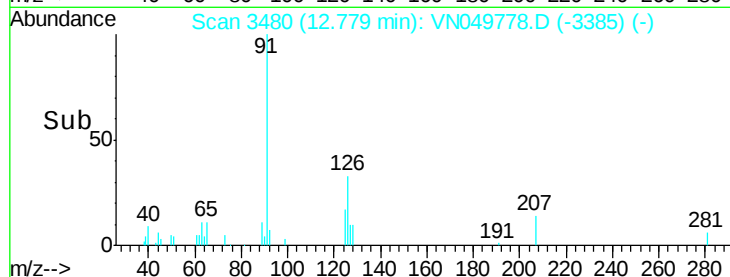


Abundance Ion 91.00 (90.70 to 91.70): VN049771.D (-3469) (-)

Ion 125.90 (125.60 to 126.60): VN049771.D (-3469) (-)

12.78

Time-->



#83

tert-Butylbenzene

Concen: 0.20 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

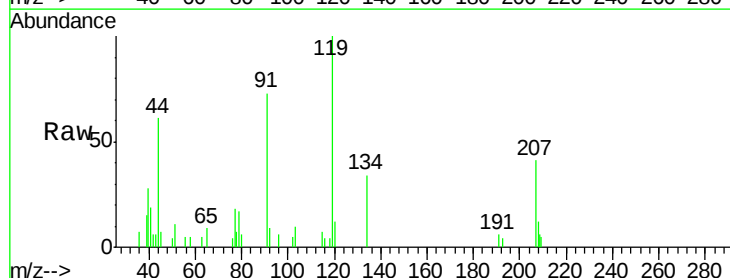
Tgt Ion: 119 Resp: 6673

Ion Ratio Lower Upper

119 100

91 62.9 32.0 96.2

134 25.3 12.8 38.4



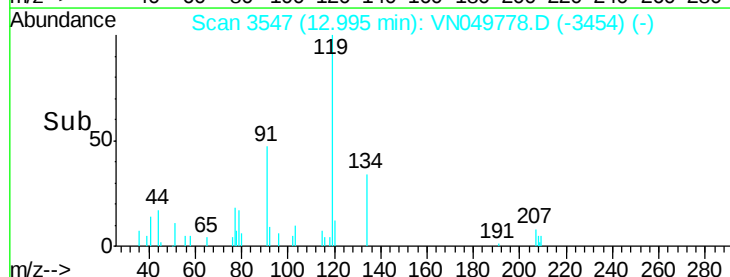
Abundance Ion 119.00 (118.70 to 119.70): VN049771.D (-3531) (-)

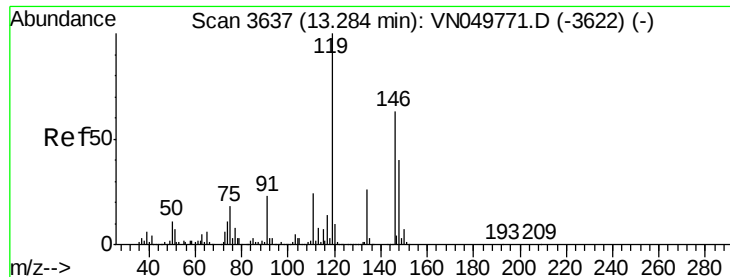
Ion 91.00 (90.70 to 91.70): VN049771.D (-3531) (-)

Ion 134.00 (133.70 to 134.70): VN049771.D (-3531) (-)

12.99

Time-->





#87

1,3-Dichlorobenzene

Concen: 0.27 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Instrument :

MSVOA_N

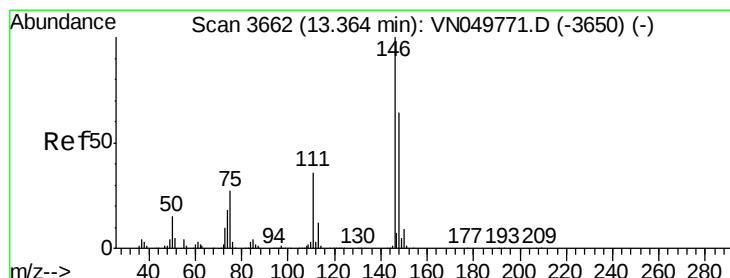
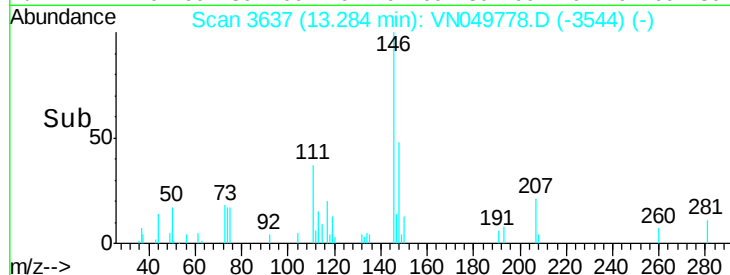
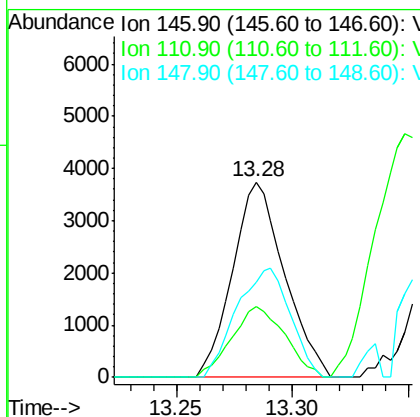
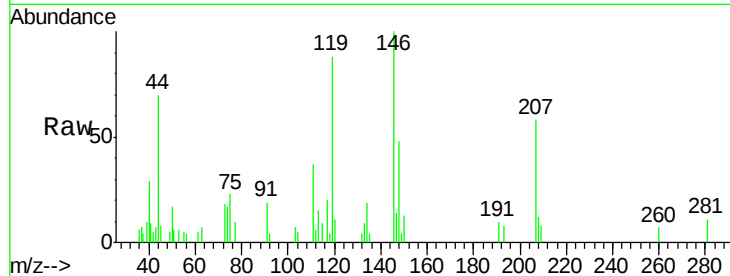
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.0	57.0
148	58.0	32.5	97.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 0.31 ug/l m

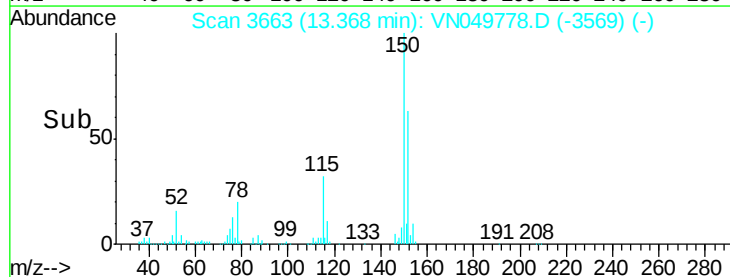
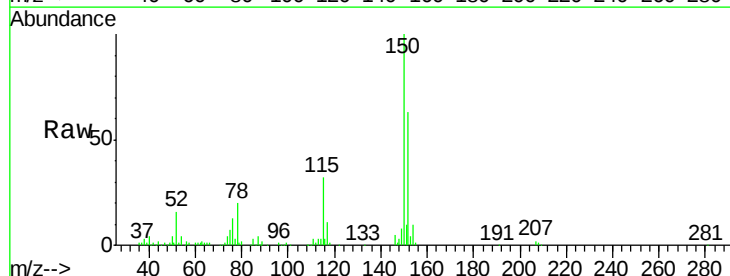
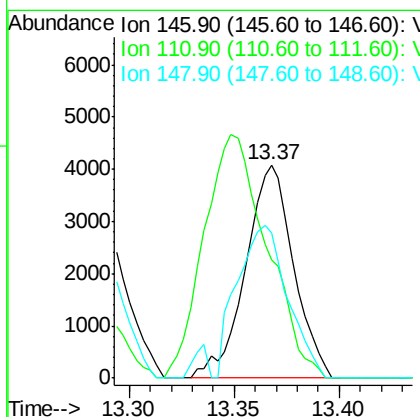
RT: 13.37 min Scan# 3663

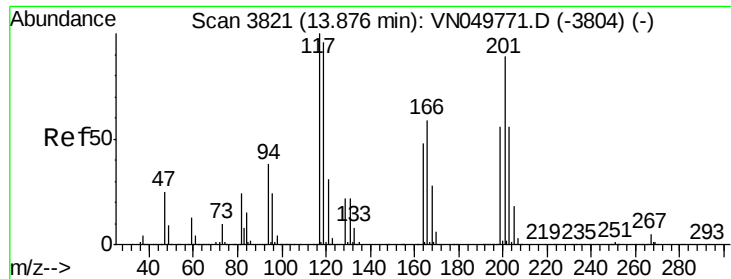
Delta R.T. 0.00 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.4	18.9	56.5
148	52.0	32.1	96.3





#90

Hexachloroethane

Concen: Below Cal

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:117 Resp: 1786

Ion Ratio Lower Upper

117 100

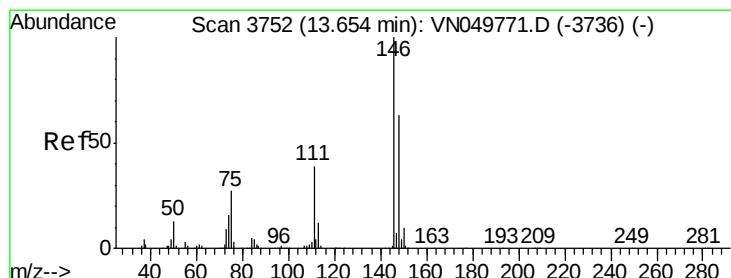
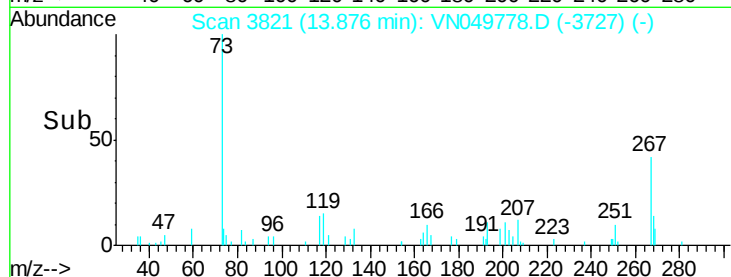
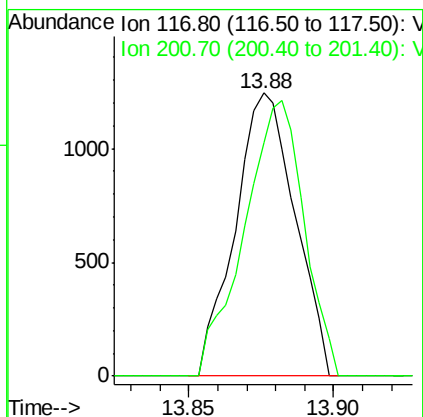
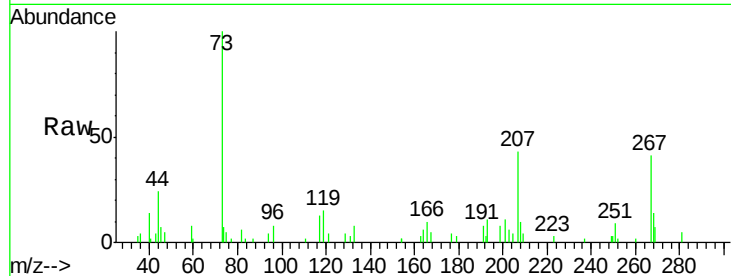
201 97.0 45.3 135.8

Manual Integrations

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#91

1,2-Dichlorobenzene

Concen: 0.26 ug/l

RT: 13.66 min Scan# 3754

Delta R.T. 0.01 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

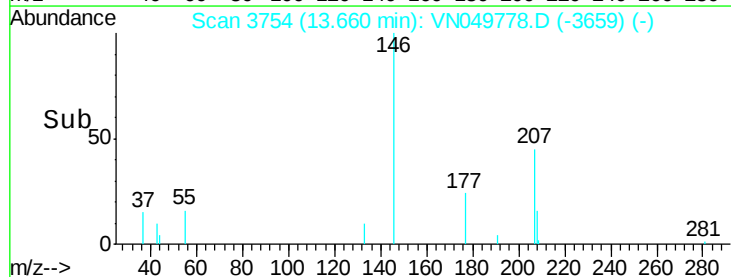
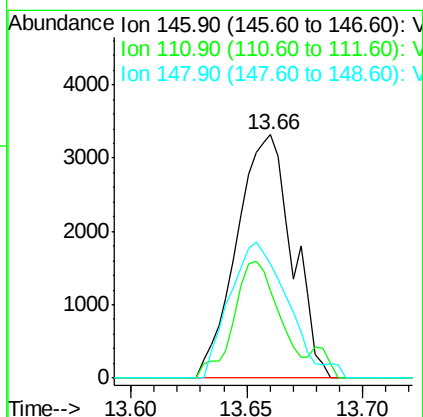
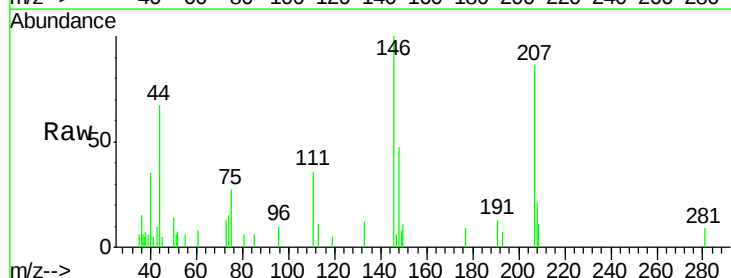
Tgt Ion:146 Resp: 5545

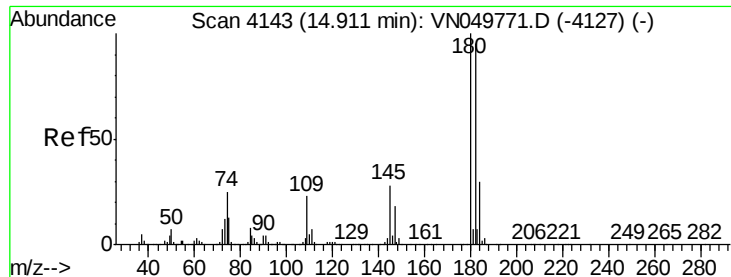
Ion Ratio Lower Upper

146 100

111 39.6 19.7 59.1

148 58.4 32.0 96.2





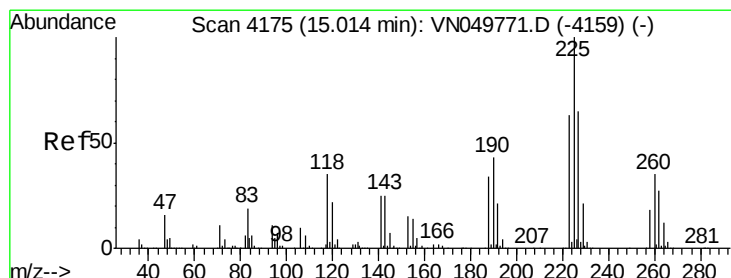
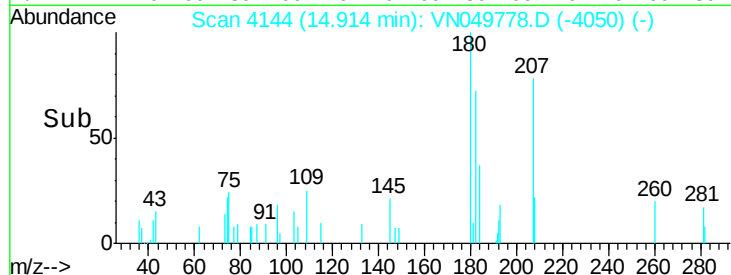
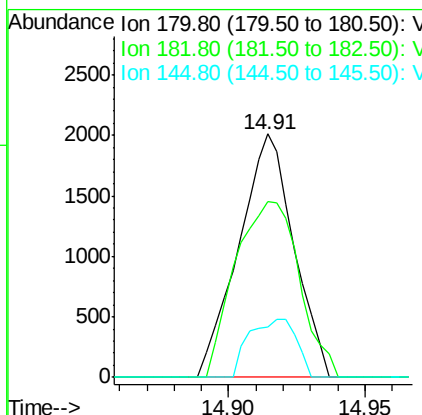
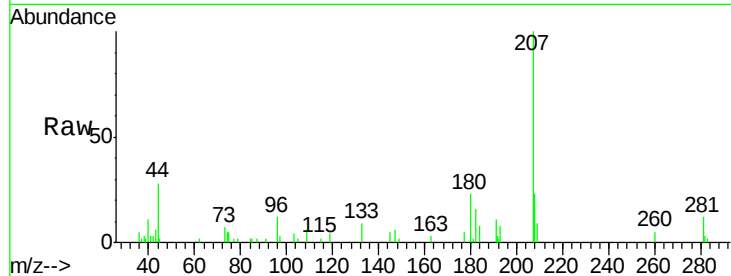
#93
 1,2,4-Trichlorobenzene
 Concen: 3.12 ua/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049778.D
 Acq: 12 Jul 2018 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
180	100		
182	84.6	47.3	141.9
145	20.5	14.4	43.0

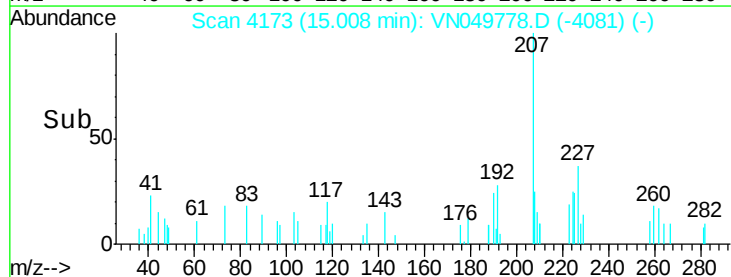
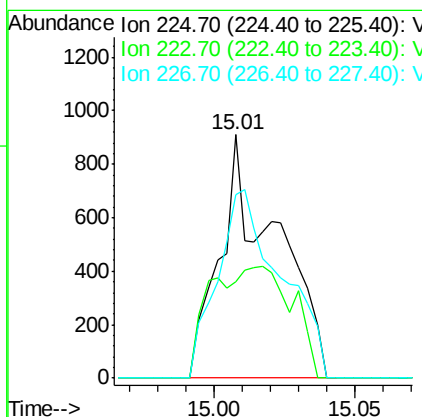
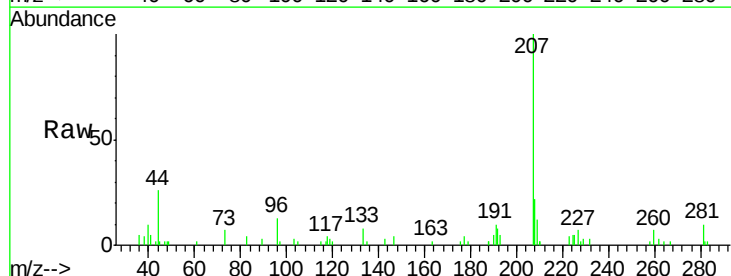
Manual Integrations
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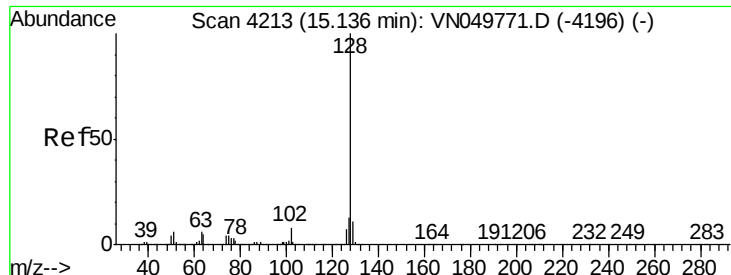
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 7/13/2018 1:35:17 PM



#94
 Hexachlorobutadiene
 Concen: Below Cal m
 RT: 15.01 min Scan# 4173
 Delta R.T. -0.01 min
 Lab File: VN049778.D
 Acq: 12 Jul 2018 19:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	20.2	30.9	92.7#
227	87.3	31.8	95.4





#95

Naphthalene

Concen: 4.22 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Instrument :

MSVOA_N

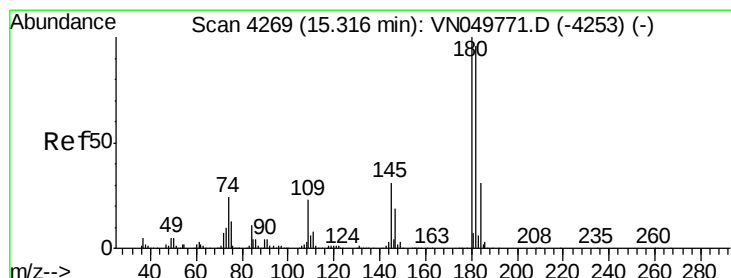
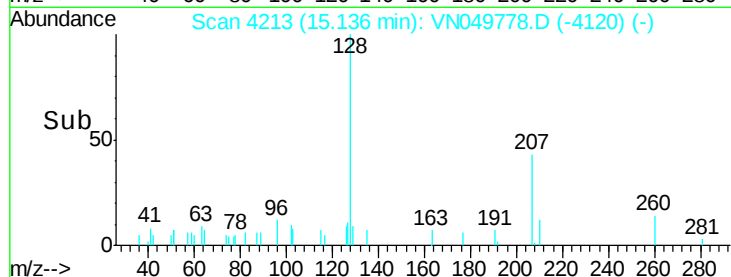
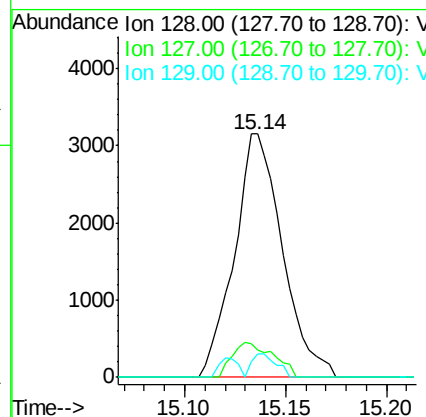
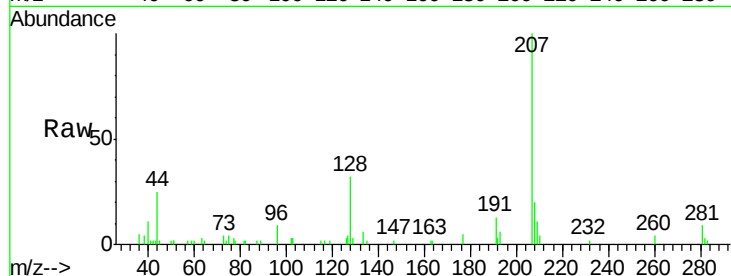
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	128	Resp:	5259
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.4	15.6
129	5.0	8.6	13.0#

Manual Integrations
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7/13/2018 1:35:17 PM



#96

1,2,3-Trichlorobenzene

Concen: 0.27 ug/l

RT: 15.32 min Scan# 4271

Delta R.T. 0.01 min

Lab File: VN049778.D

Acq: 12 Jul 2018 19:19

Tgt Ion:	180	Resp:	2756
Ion Ratio	Lower	Upper	
180	100		
182	90.4	47.4	142.2
145	27.5	15.2	45.6

