

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055489.D
 Acq On : 9 May 2019 11:53
 Operator : JC/SP
 Sample : K2241-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 12:43:29 PM

Quant Time: May 10 12:39:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:38:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	677084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1209792	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1015690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	286466	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	527723	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
35) Dibromofluoromethane	7.59	113	394970	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	10.09	98	1465622	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
62) 4-Bromofluorobenzene	12.40	95	435595	42.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.96%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	6538	0.948 ug/l	100
3) Chloromethane	2.06	50	10750	0.960 ug/l	99
4) Vinyl Chloride	2.19	62	8971	0.849 ug/l	89
6) Chloroethane	2.70	64	6279	1.020 ug/l	99
7) Trichlorofluoromethane	3.02	101	10814	0.932 ug/l	93
8) Diethyl Ether	3.42	74	4876	0.936 ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	6810	0.923 ug/l #	89
12) 1,1-Dichloroethene	3.73	96	6949	0.939 ug/l	89
14) Allyl chloride	4.32	41	13409	0.885 ug/l	94
15) Acrylonitrile	5.00	53	17910	3.843 ug/l	99
16) Acetone	3.83	43	20636	4.372 ug/l	92
17) Carbon Disulfide	4.05	76	18370	0.910 ug/l	96
18) Methyl Acetate	4.33	43	16069m	1.376 ug/l	
19) Methyl tert-butyl Ether	5.05	73	20202	0.822 ug/l	95
20) Methylene Chloride	4.55	84	8707	0.902 ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	6589	0.821 ug/l	96
22) Diisopropyl ether	5.96	45	25012	0.812 ug/l #	71
23) Vinyl Acetate	5.91	43	89495	3.757 ug/l	100
24) 1,1-Dichloroethane	5.84	63	14472m	0.870 ug/l	
25) 2-Butanone	6.85	43	21803	3.344 ug/l	94
26) 2,2-Dichloropropane	6.82	77	9212	0.889 ug/l	89
27) cis-1,2-Dichloroethene	6.83	96	7994	0.862 ug/l	84
28) Bromochloromethane	7.20	49	7238	0.838 ug/l #	94
29) Tetrahydrofuran	7.22	42	18461	4.283 ug/l	95
30) Chloroform	7.37	83	13626	0.886 ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	11050	0.944 ug/l #	50
36) 1,1-Dichloropropene	7.79	75	10635	0.892 ug/l	95
37) Ethyl Acetate	6.95	43	10508m	0.808 ug/l	
38) Carbon Tetrachloride	7.77	117	10104	1.007 ug/l #	80
39) Methylcyclohexane	9.07	83	11572	0.796 ug/l	96
40) Benzene	8.04	78	30153	0.815 ug/l	95
41) Methacrylonitrile	7.18	41	4313	0.715 ug/l #	82
42) 1,2-Dichloroethane	8.13	62	12058	0.928 ug/l	97
43) Isopropyl Acetate	8.17	43	15377	0.779 ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.83	130	7928	0.901	ug/l	77
45) 1,2-Dichloropropane	9.12	63	8499	0.803	ug/l	96
46) Dibromomethane	9.21	93	4994	0.814	ug/l	97
47) Bromodichloromethane	9.40	83	9568	0.815	ug/l	93
48) Methyl methacrylate	9.21	41	8126	0.854	ug/l	89
49) 1,4-Dioxane	9.20	88	2345	12.643	ug/l #	79
51) 4-Methyl-2-Pentanone	9.99	43	45020	3.466	ug/l	98
52) Toluene	10.16	92	17528	0.829	ug/l	94
53) t-1,3-Dichloropropene	10.38	75	8646	0.767	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	10013	0.743	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	7012	0.818	ug/l	91
56) Ethyl methacrylate	10.43	69	8566	0.672	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	11887	0.781	ug/l	95
59) 2-Hexanone	10.75	43	30614	3.360	ug/l	96
60) Dibromochloromethane	10.90	129	6280	0.806	ug/l	99
61) 1,2-Dibromoethane	11.01	107	6023	0.732	ug/l	93
64) Tetrachloroethene	10.63	164	6541	0.786	ug/l #	88
65) Chlorobenzene	11.43	112	17137	0.820	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	5724	0.796	ug/l #	56
67) Ethyl Benzene	11.51	91	29769	0.759	ug/l	99
68) m/p-Xylenes	11.62	106	20621	1.464	ug/l	96
69) o-Xylene	11.95	106	9739	0.704	ug/l	98
70) Styrene	11.96	104	14913	0.672	ug/l	96
71) Bromoform	12.13	173	3416	0.704	ug/l #	100
73) Isopropylbenzene	12.25	105	27045	0.963	ug/l	98
74) N-amyl acetate	12.07	43	7943	0.730	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	9527	1.037	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	9771m	1.253	ug/l	
77) Bromobenzene	12.53	156	6754	1.070	ug/l	96
78) n-propylbenzene	12.59	91	27297	0.888	ug/l	98
79) 2-Chlorotoluene	12.67	91	19270	1.006	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	21056	0.919	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	2478m	1.172	ug/l	
82) 4-Chlorotoluene	12.77	91	15566	0.860	ug/l	96
83) tert-Butylbenzene	12.99	119	18027	0.918	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	17360	0.826	ug/l	95
85) sec-Butylbenzene	13.17	105	22779	0.873	ug/l	100
86) p-Isopropyltoluene	13.29	119	16518	0.778	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	8372	0.858	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	8238m	0.856	ug/l	
89) n-Butylbenzene	13.61	91	11640	0.707	ug/l	97
90) Hexachloroethane	13.88	117	3661	1.057	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	7812	0.801	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1218	0.925	ug/l	76
93) 1,2,4-Trichlorobenzene	14.91	180	2930	0.880	ug/l	97
94) Hexachlorobutadiene	15.01	225	3450	0.984	ug/l	94
95) Naphthalene	15.14	128	7485	0.758	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	2957	0.752	ug/l	96

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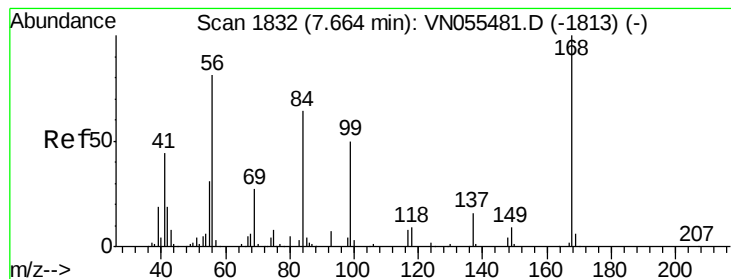
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

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Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:168 Resp: 677084

Ion Ratio Lower Upper

168 100

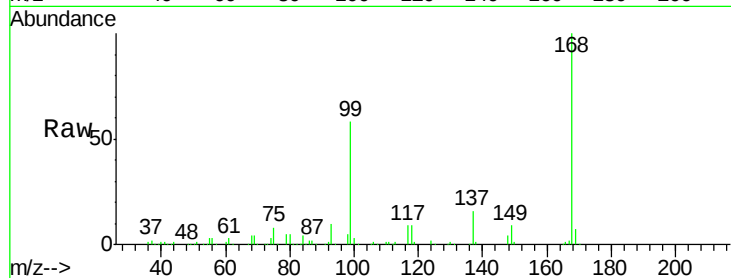
99 58.1 47.0 70.4

Manual Integrations

APPROVED

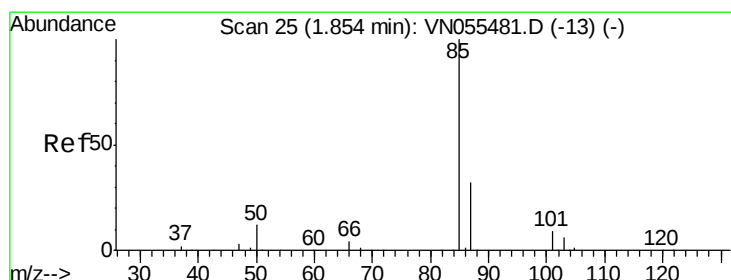
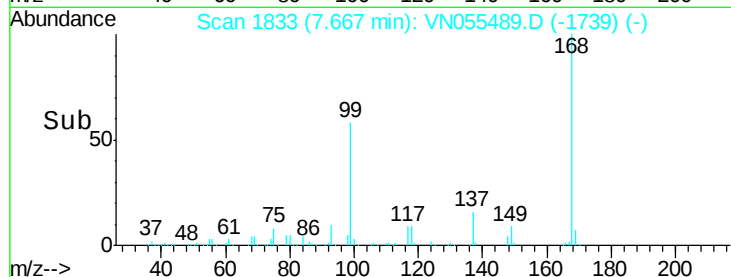
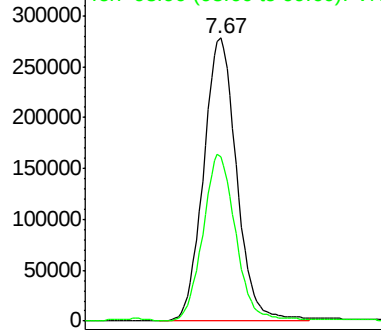
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 0.948 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055489.D

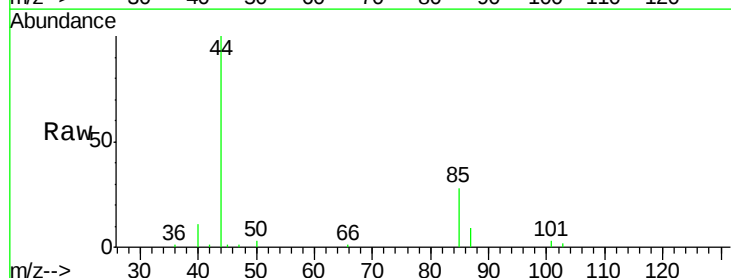
Acq: 9 May 2019 11:53

Tgt Ion: 85 Resp: 6538

Ion Ratio Lower Upper

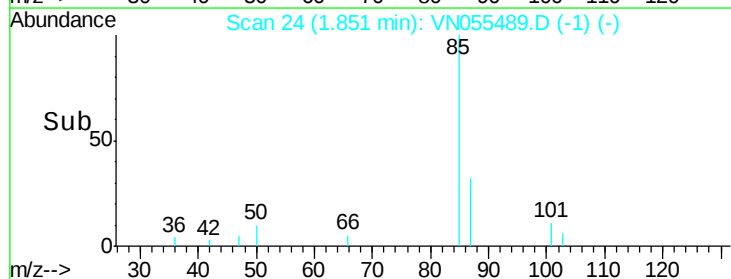
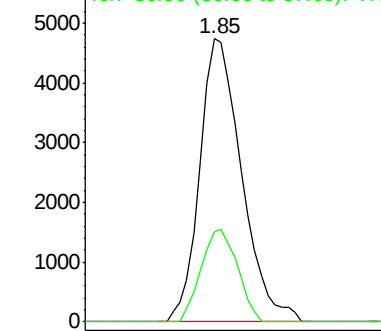
85 100

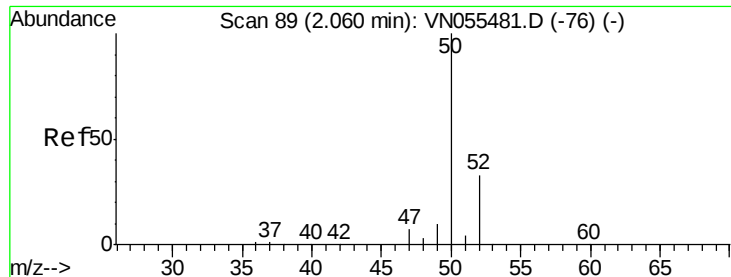
87 31.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 0.960 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

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Tot Ion: 50 Resp: 10750

Ion Ratio Lower Upper

50 100

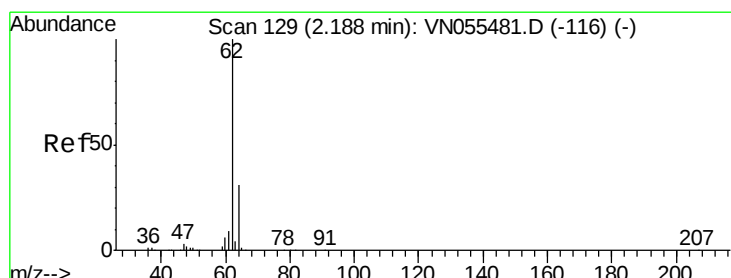
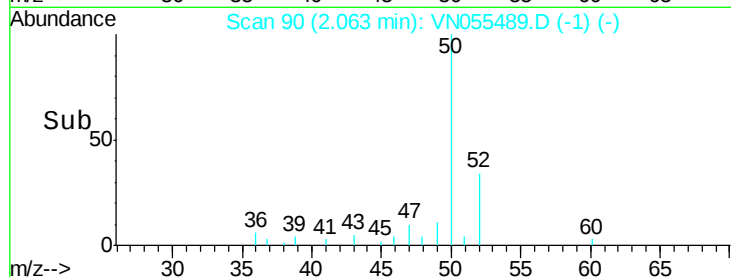
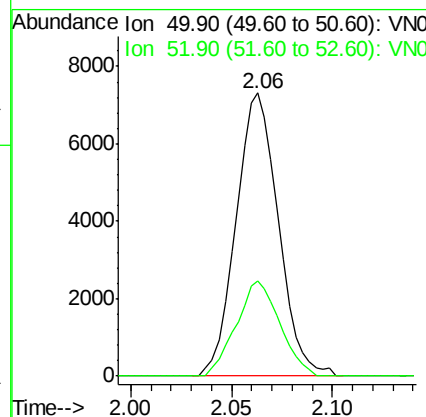
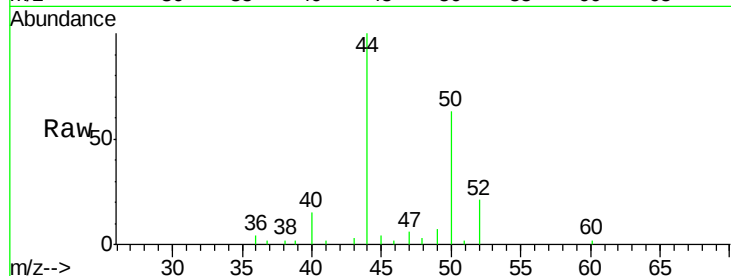
52 33.6 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.849 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055489.D

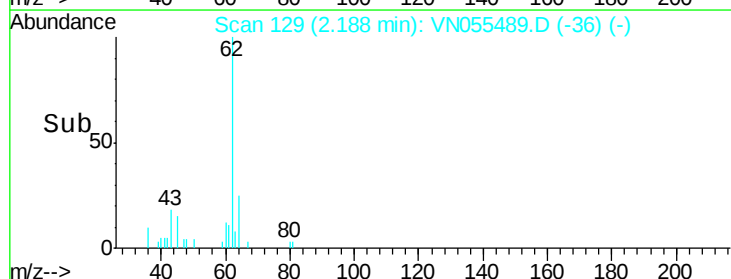
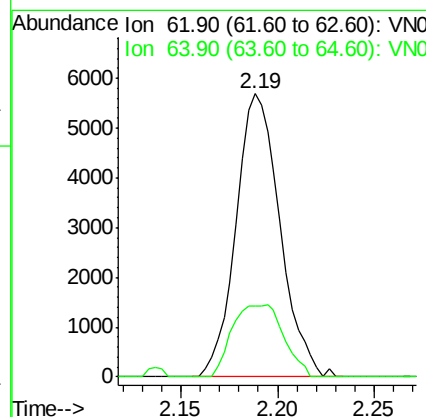
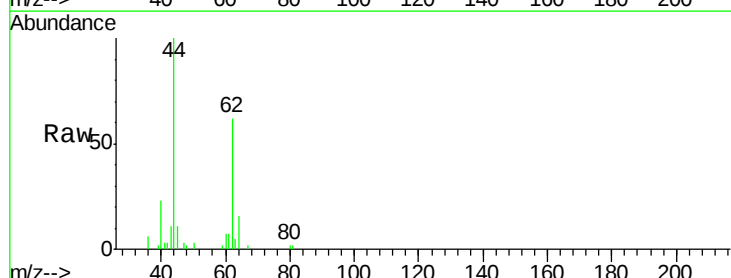
Acq: 9 May 2019 11:53

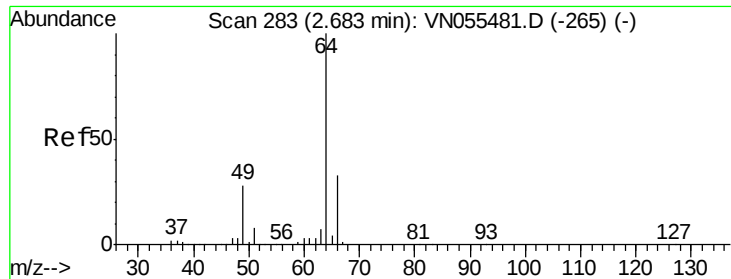
Tgt Ion: 62 Resp: 8971

Ion Ratio Lower Upper

62 100

64 25.1 25.0 37.6





#6

Chloroethane

Concen: 1.020 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.02 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

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Tot Ion: 64 Resp: 6279

Ion Ratio Lower Upper

64 100

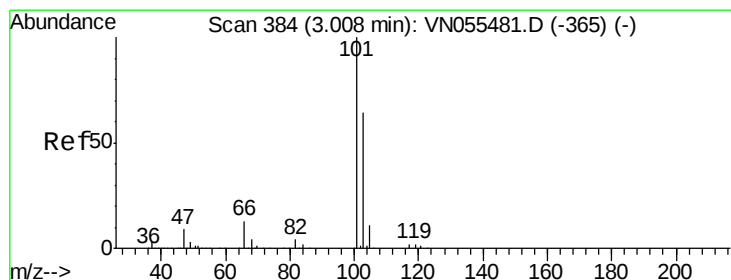
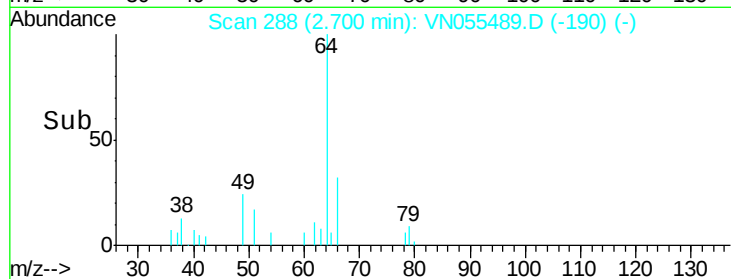
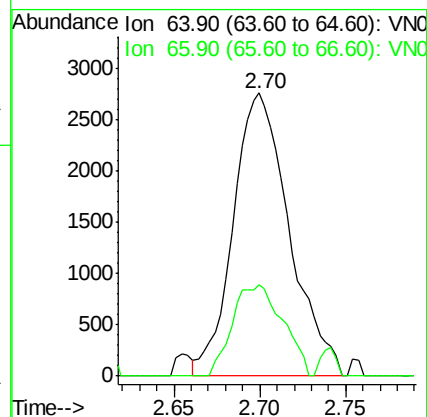
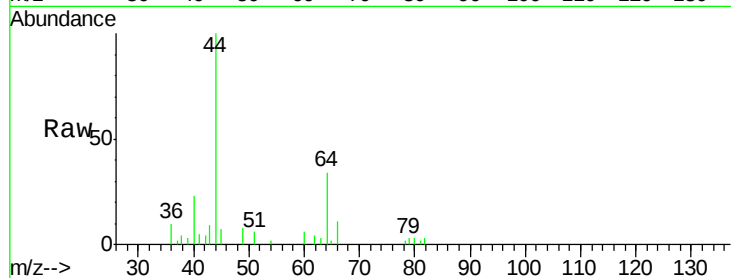
66 32.2 26.2 39.2

Manual Integrations

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#7

Trichlorofluoromethane

Concen: 0.932 ug/l

RT: 3.02 min Scan# 388

Delta R.T. 0.01 min

Lab File: VN055489.D

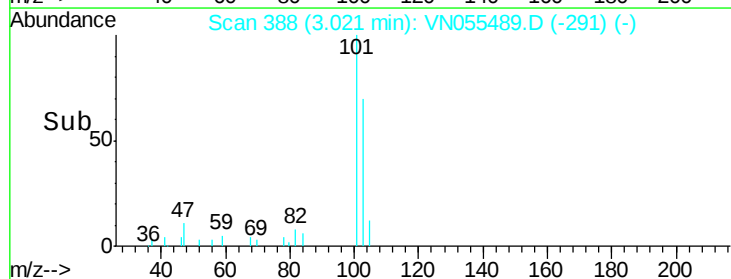
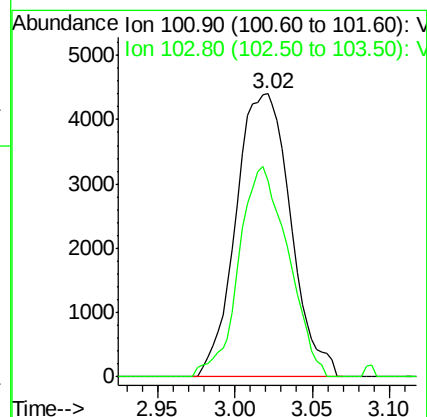
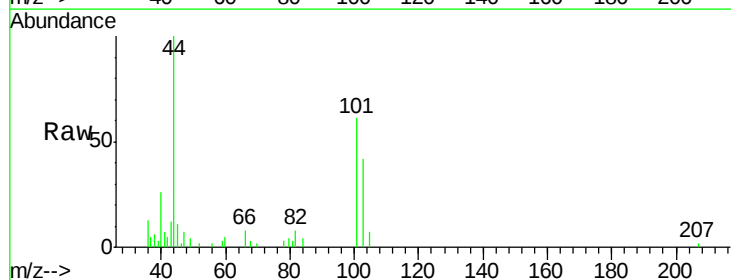
Acq: 9 May 2019 11:53

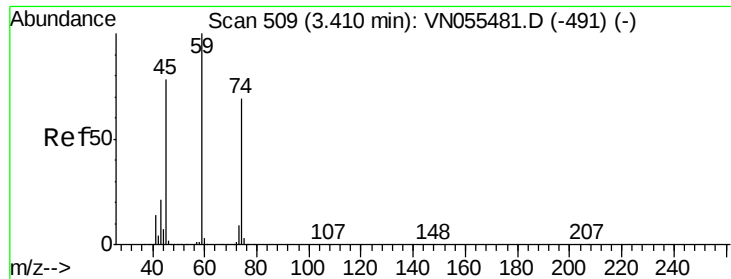
Tgt Ion: 101 Resp: 10814

Ion Ratio Lower Upper

101 100

103 69.6 51.2 76.8





#8

Diethyl Ether

Concen: 0.936 ug/l

RT: 3.42 min Scan# 511

Delta R.T. 0.01 min

Lab File: VN055489.D

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Tot Ion: 74 Resp: 4876

Ion Ratio Lower Upper

74 100

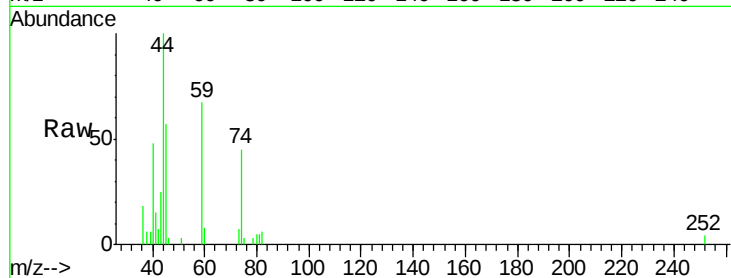
45 124.6 58.1 174.3

Manual Integrations

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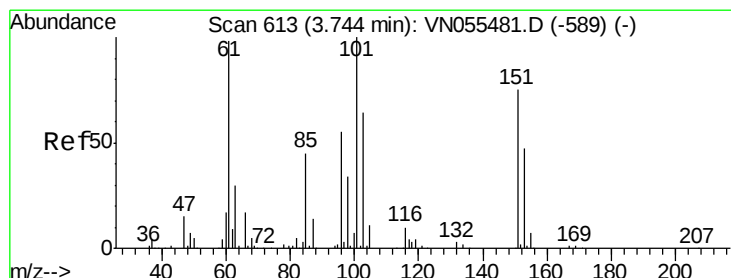
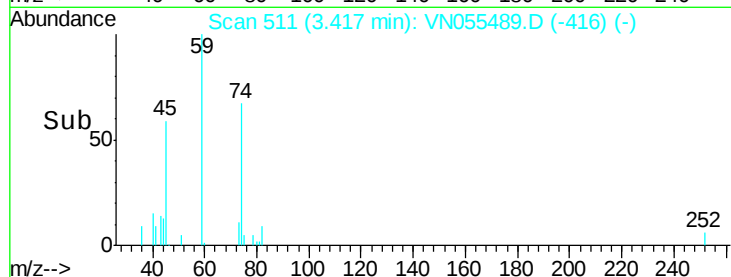


Abundance Ion 74.00 (73.70 to 74.70): VN055481.D (-491) (-)

Ion 45.00 (44.70 to 45.70): VN055481.D (-491) (-)

3.42

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.923 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

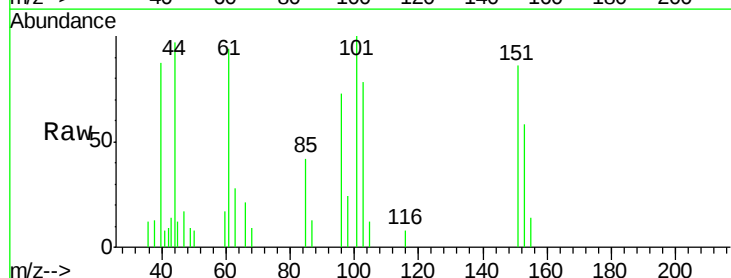
Tgt Ion: 101 Resp: 6810

Ion Ratio Lower Upper

101 100

85 27.9 35.5 53.3#

151 72.4 59.2 88.8



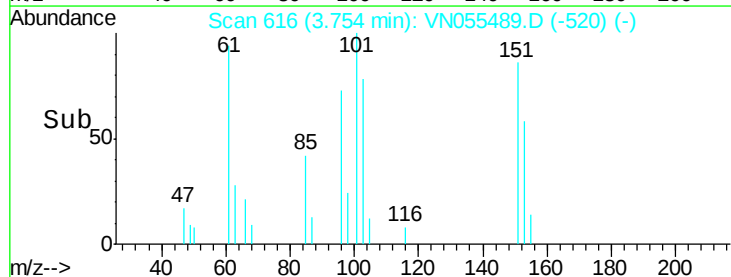
Abundance Ion 100.90 (100.60 to 101.60): VN055481.D (-589) (-)

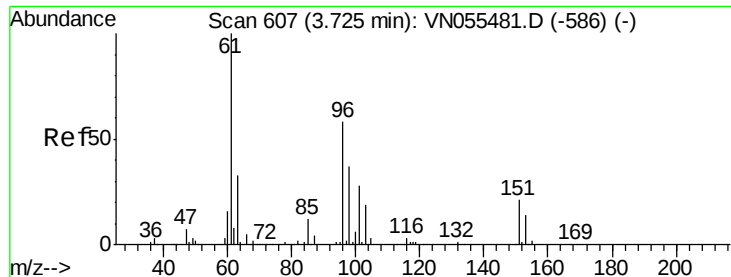
Ion 84.90 (84.60 to 85.60): VN055481.D (-589) (-)

Ion 150.80 (150.50 to 151.50): VN055481.D (-589) (-)

3.75

Time-->





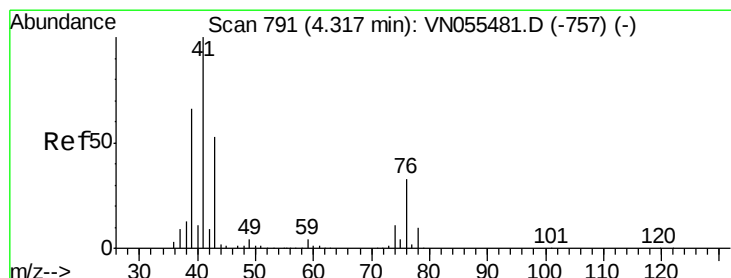
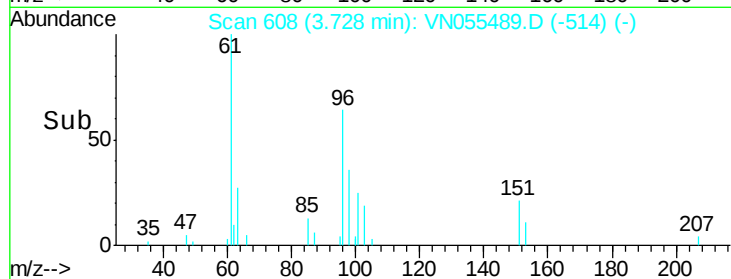
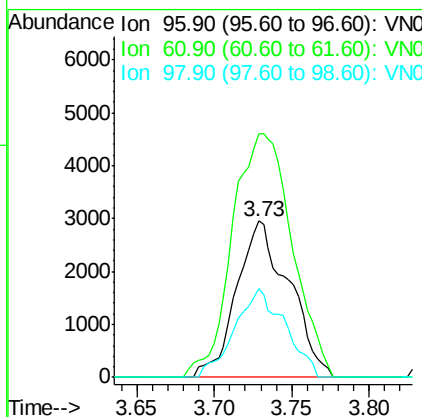
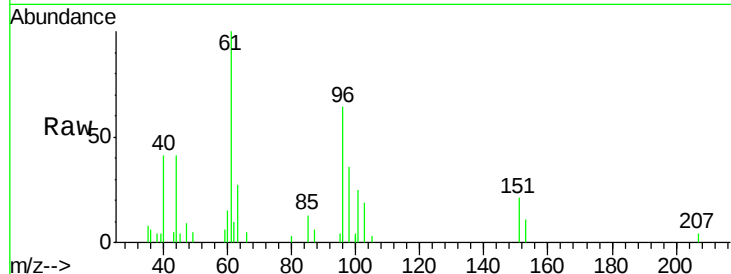
#12
 1,1-Dichloroethene
 Concen: 0.939 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN055489.D
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Tot Ion	Ratio	Lower	Upper
96	100		
61	156.1	138.7	208.1
98	56.5	50.6	76.0

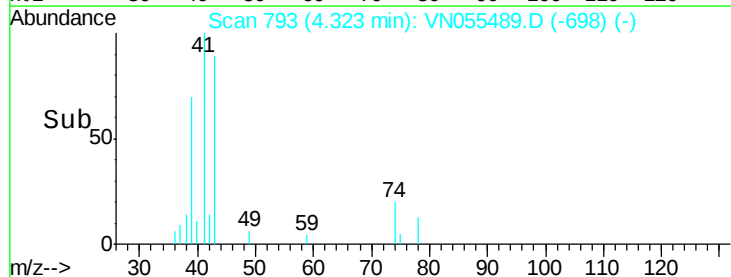
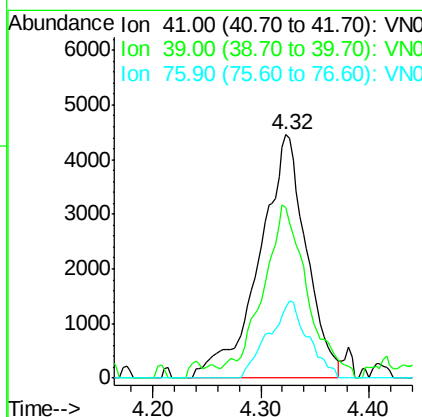
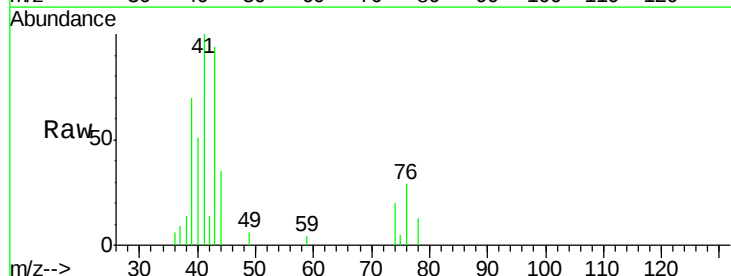
Manual Integrations
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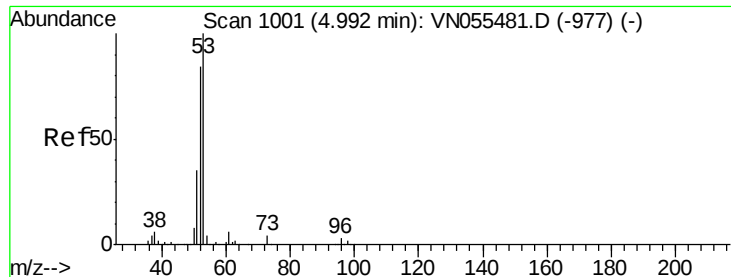
MMDadoda
 5/10/2019 12:43:29 PM



#14
 Allyl chloride
 Concen: 0.885 ug/l
 RT: 4.32 min Scan# 793
 Delta R.T. 0.01 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.9	49.8	74.8
76	26.8	23.5	35.3





#15

Acrylonitrile

Concen: 3.843 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

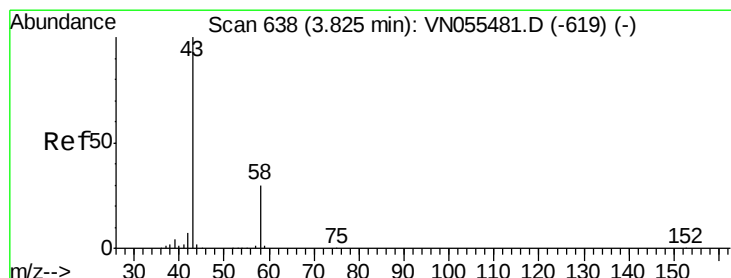
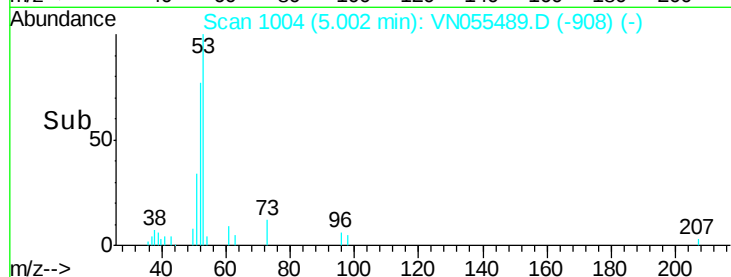
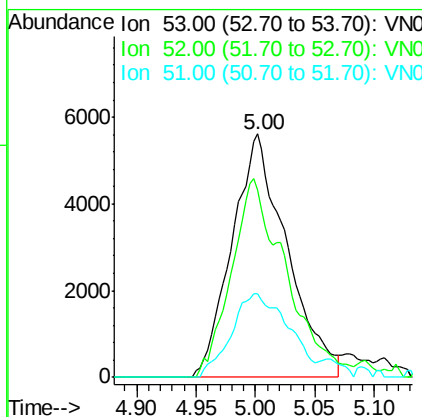
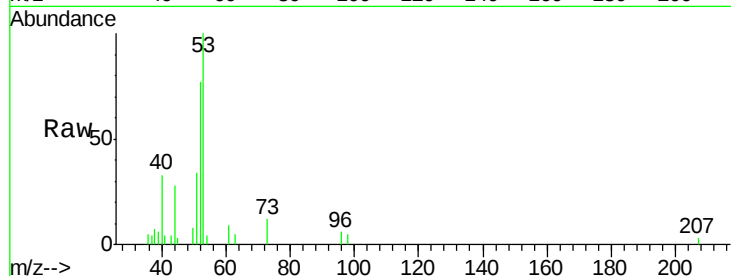
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	53	Resp:	17910
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.1	99.1
51	35.6	28.3	42.5

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#16

Acetone

Concen: 4.372 ug/l

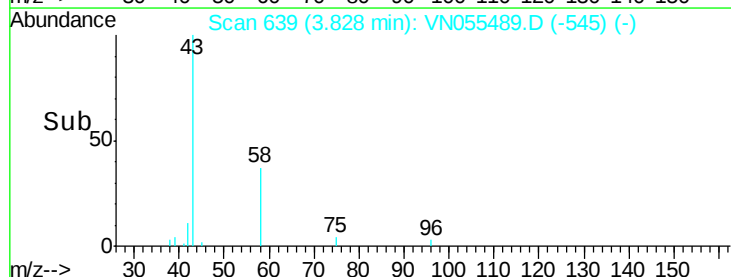
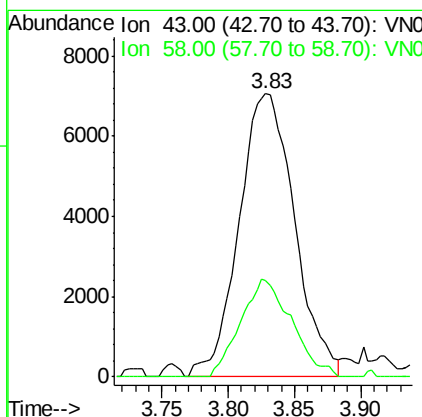
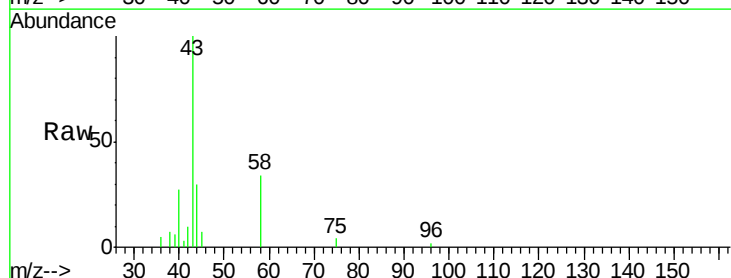
RT: 3.83 min Scan# 639

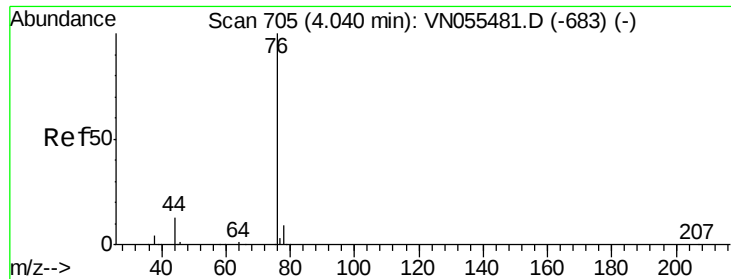
Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Tgt Ion:	43	Resp:	20636
Ion Ratio	Lower	Upper	
43	100		
58	34.3	24.2	36.2





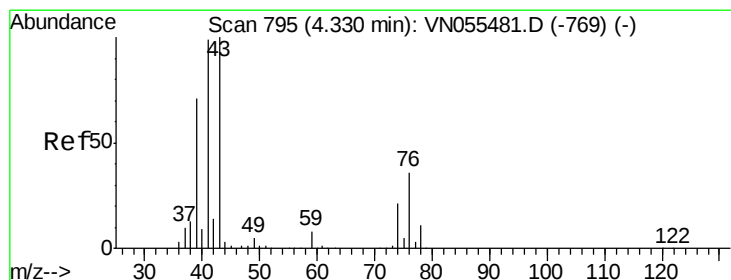
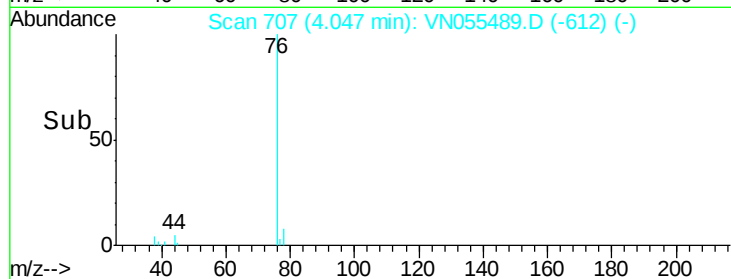
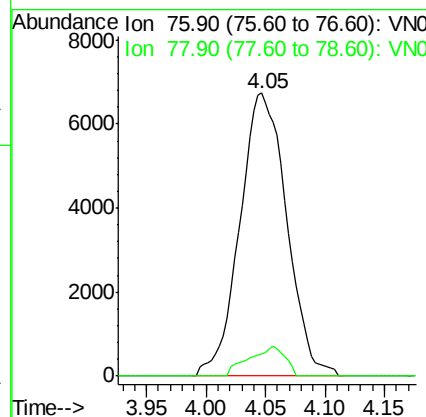
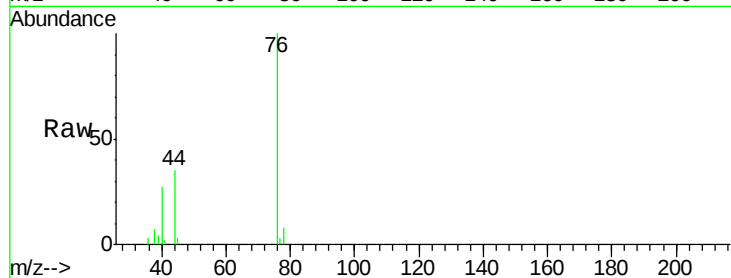
#17
Carbon Disulfide
Concen: 0.910 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.01 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.8	7.4	11.0

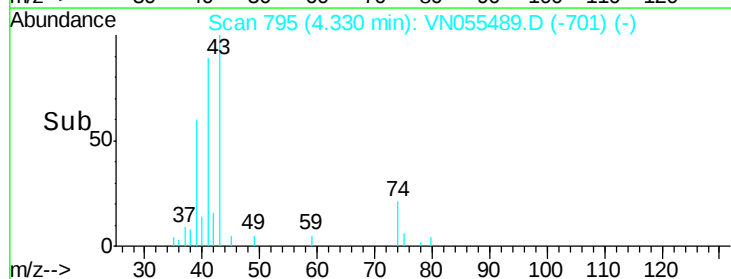
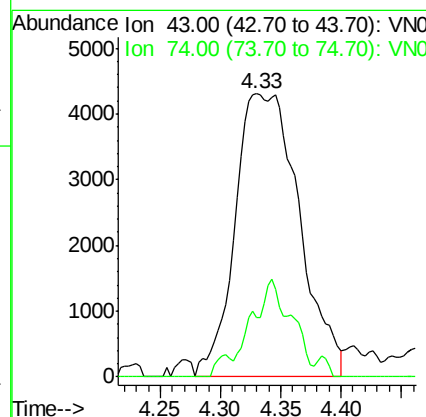
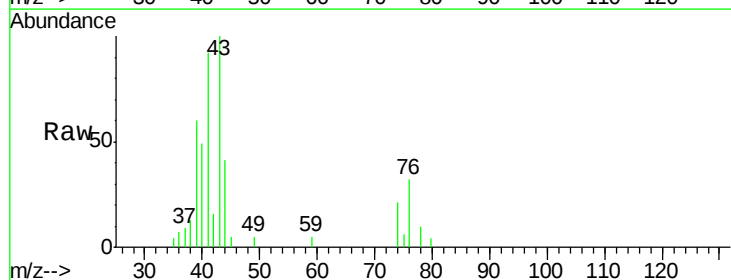
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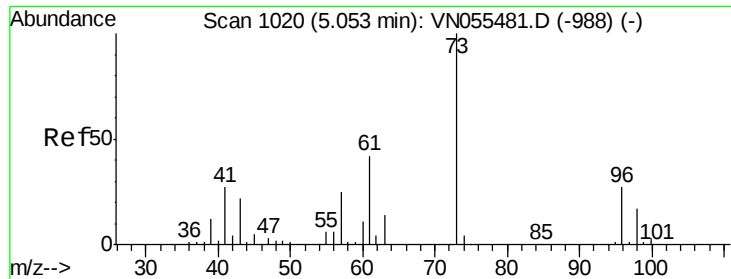
MMDadoda
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#18
Methyl Acetate
Concen: 1.376 ug/l m
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	6.2	16.3	24.5#





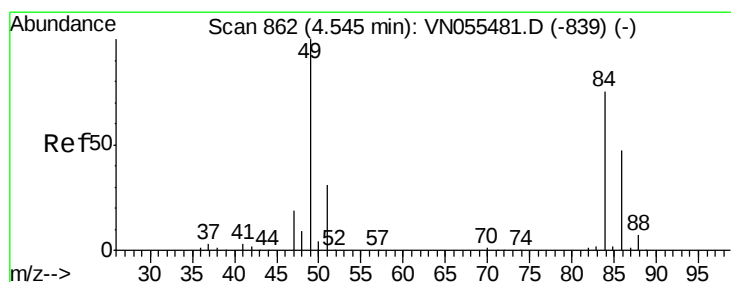
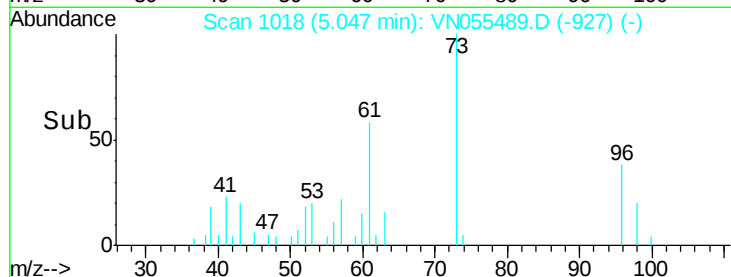
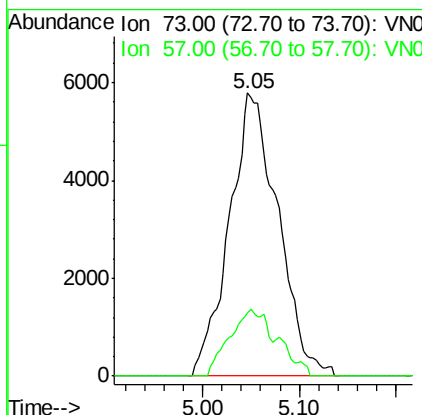
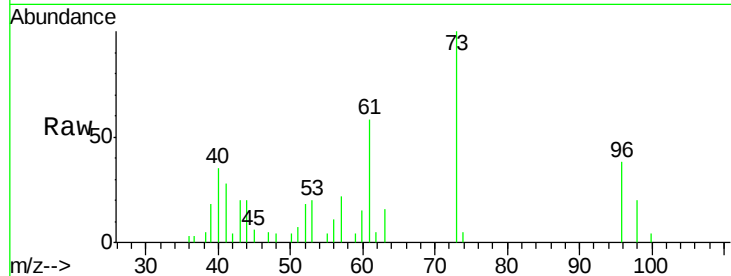
#19
Methvl tert-butvl Ether
Concen: 0.822 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

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

Tot Ion: 73 Resp: 20202
Ion Ratio Lower Upper
73 100
57 22.3 20.0 30.0

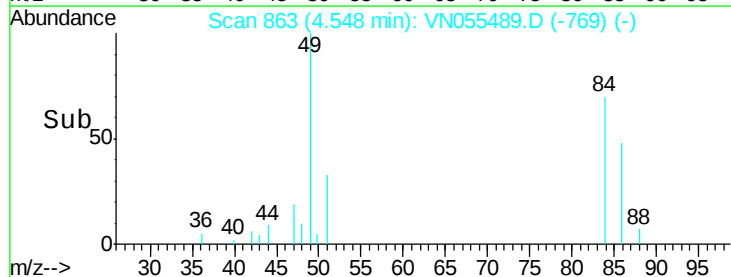
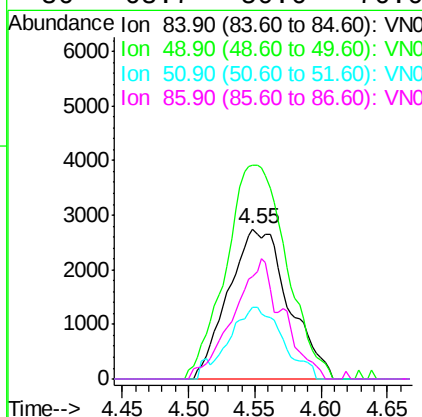
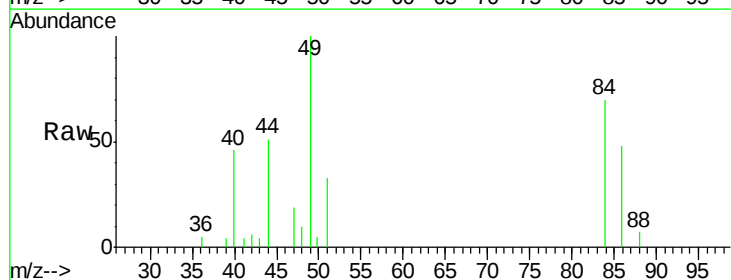
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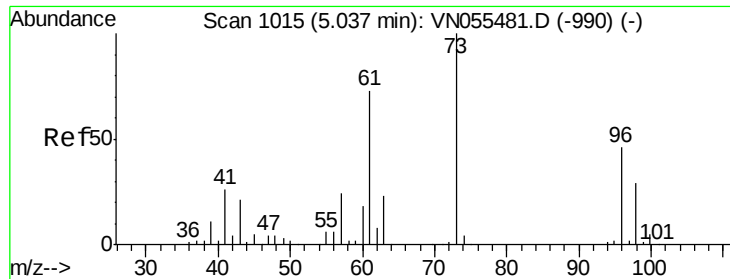
MMDadoda
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#20
Methylene Chloride
Concen: 0.902 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion: 84 Resp: 8707
Ion Ratio Lower Upper
84 100
49 142.5 107.0 160.6
51 47.5 33.0 49.4
86 68.7 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 0.821 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

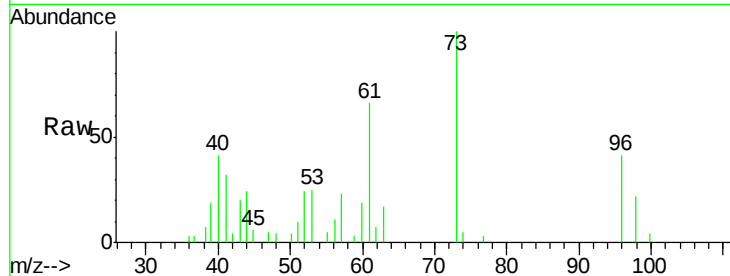
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	96	Resp:	6589
Ion	Ratio	Lower	Upper
96	100		
61	161.8	127.4	191.0
98	57.1	51.6	77.4

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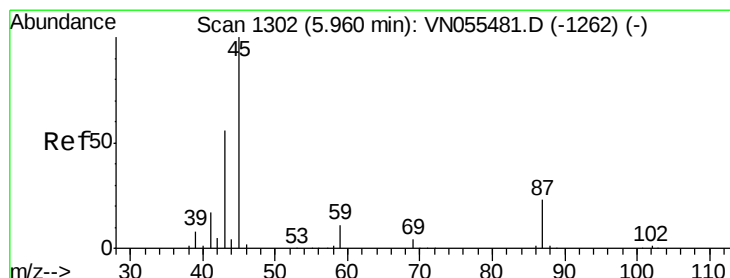
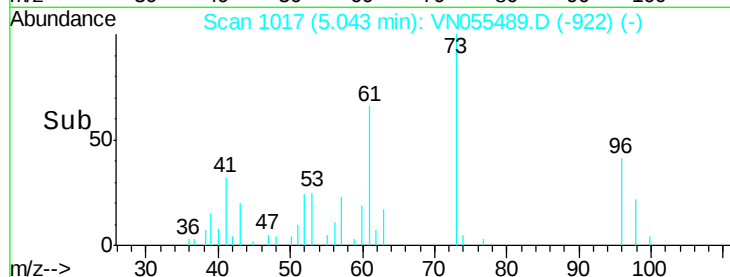
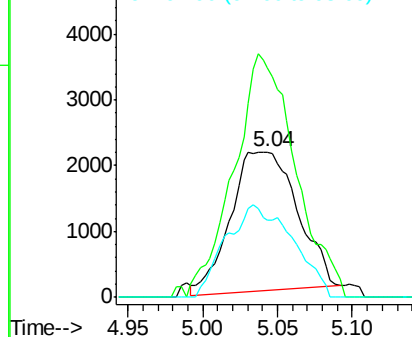


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 0.812 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Tgt Ion:	45	Resp:	25012
Ion	Ratio	Lower	Upper
45	100		
43	82.1	44.6	66.8#
87	34.1	18.6	28.0#
59	10.1	8.6	12.8

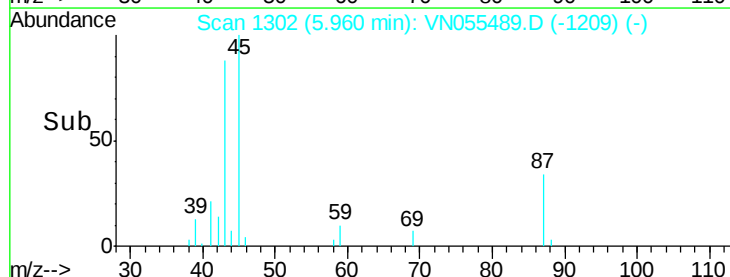
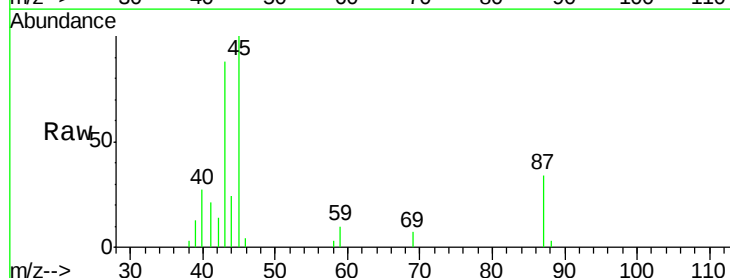
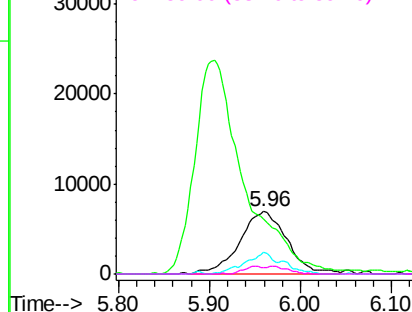
Abundance

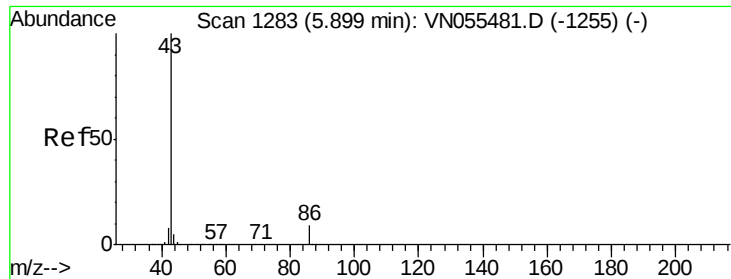
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 3.757 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 43 Resp: 89495

Ion Ratio Lower Upper

43 100

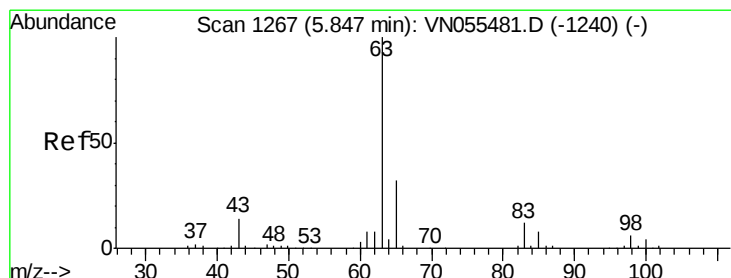
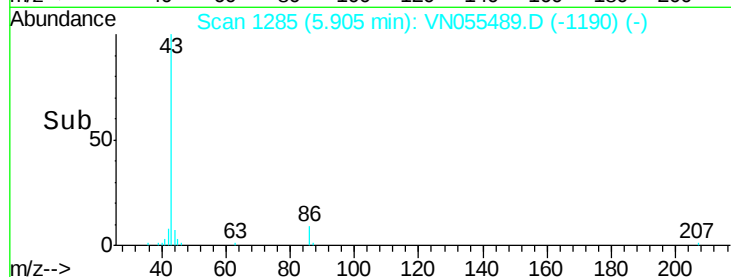
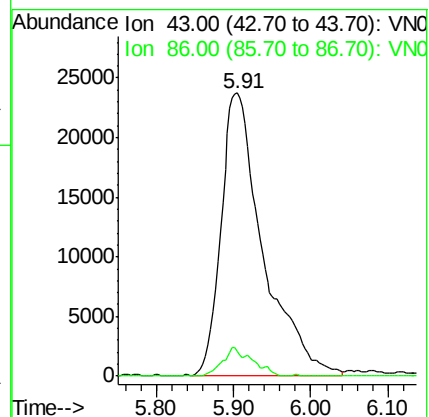
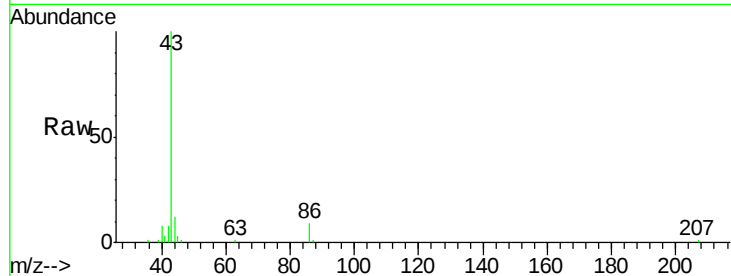
86 8.8 7.1 10.7

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#24

1,1-Dichloroethane

Concen: 0.870 ug/l m

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

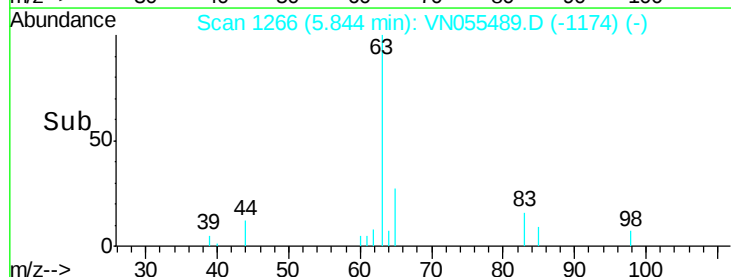
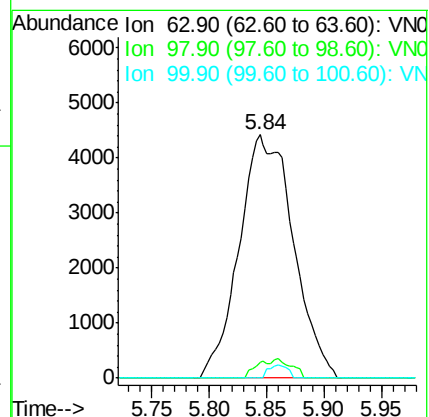
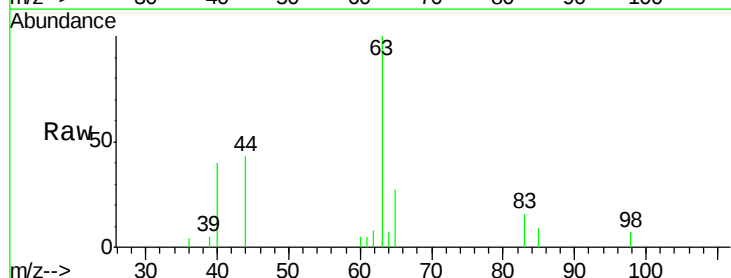
Tgt Ion: 63 Resp: 14472

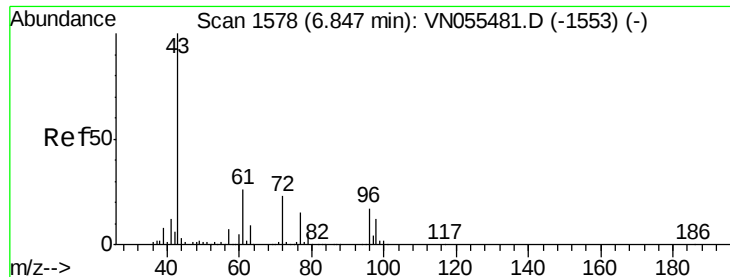
Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.0

100 0.0 1.9 5.7#





#25

2-Butanone

Concen: 3.344 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 43 Resp: 21803

Ion Ratio Lower Upper

43 100

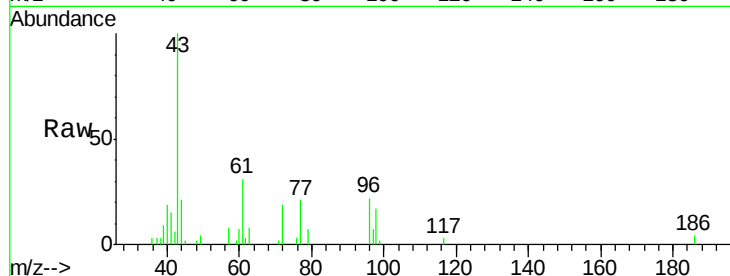
72 20.3 18.6 27.8

Manual Integrations

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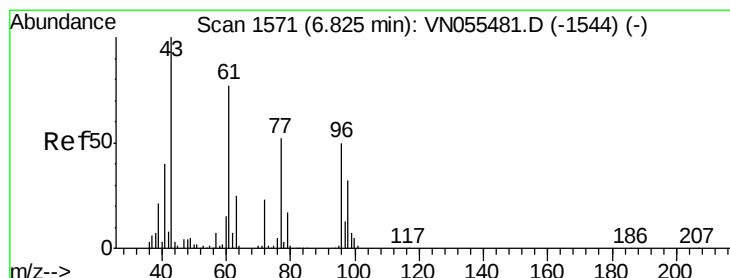
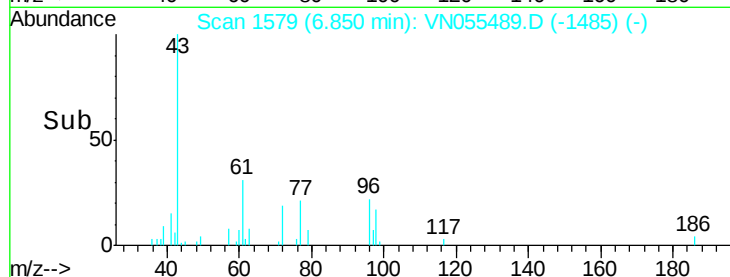
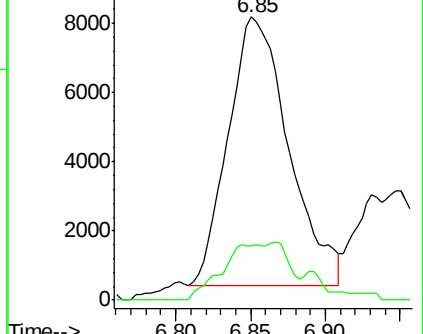
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 0.889 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055489.D

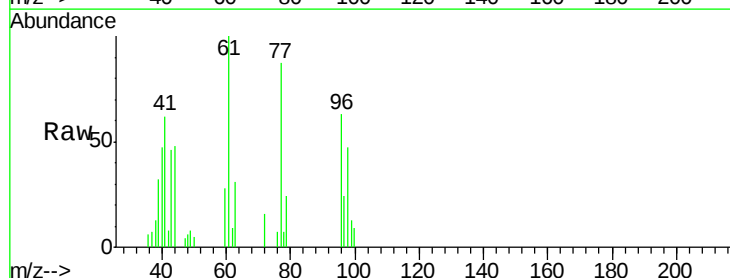
Acq: 9 May 2019 11:53

Tgt Ion: 77 Resp: 9212

Ion Ratio Lower Upper

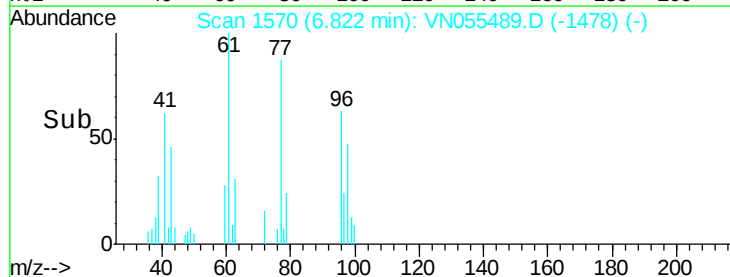
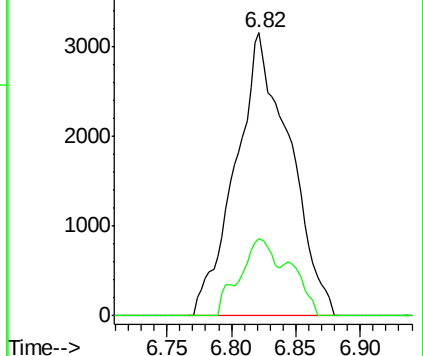
77 100

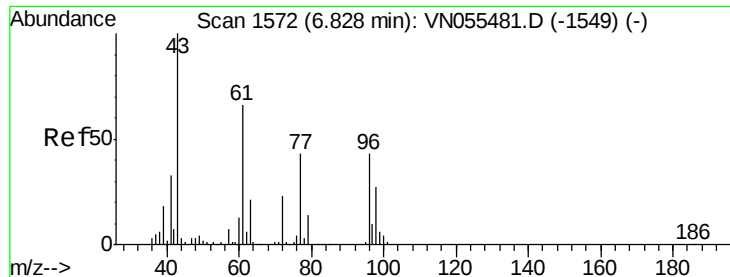
97 17.9 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 0.862 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055489.D

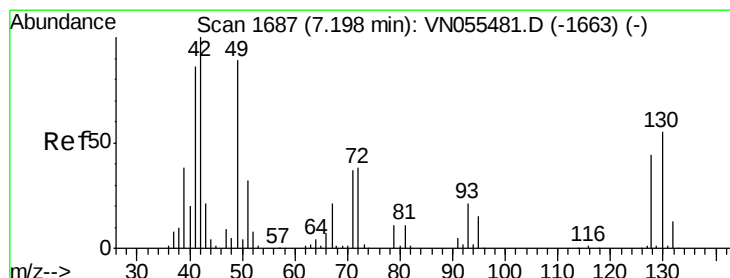
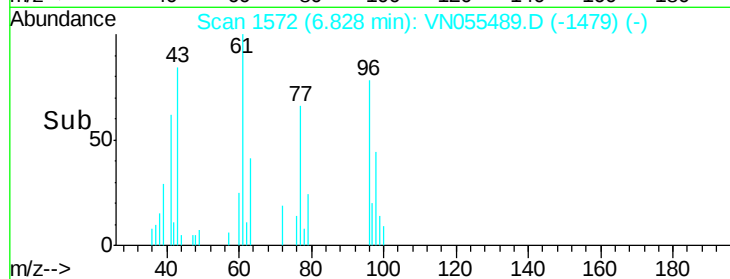
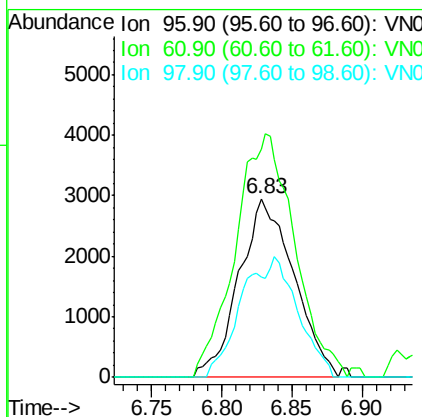
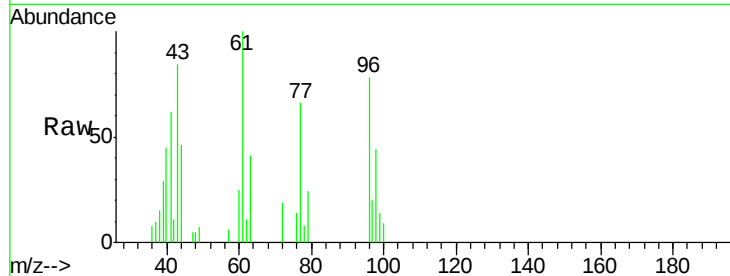
Acq: 9 May 2019 11:53

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	310.8
98	33.2	0.0	129.4

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#28

Bromochloromethane

Concen: 0.838 ug/l

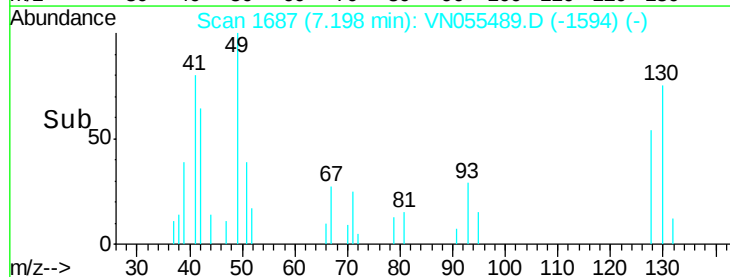
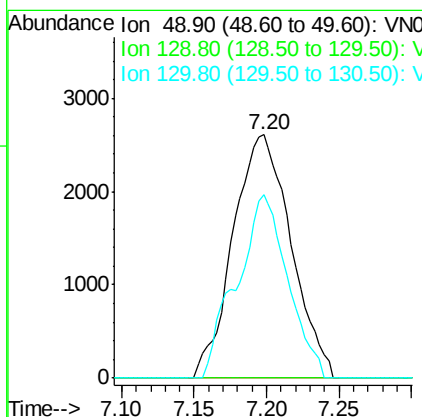
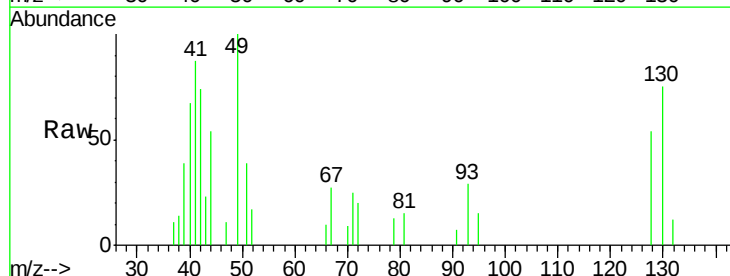
RT: 7.20 min Scan# 1687

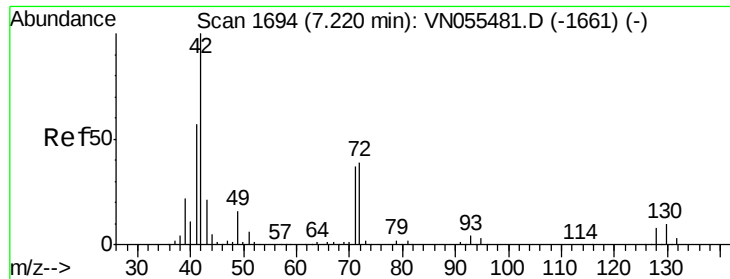
Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	66.4	49.5	74.3





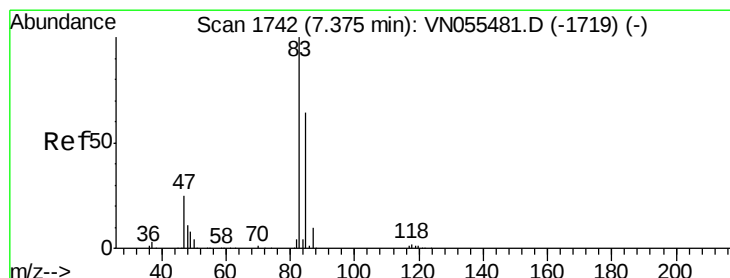
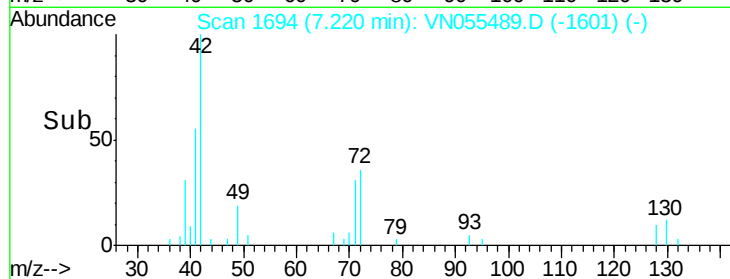
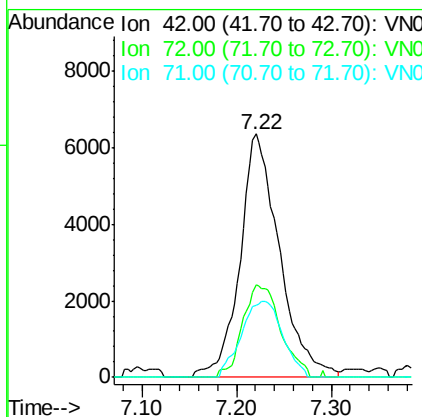
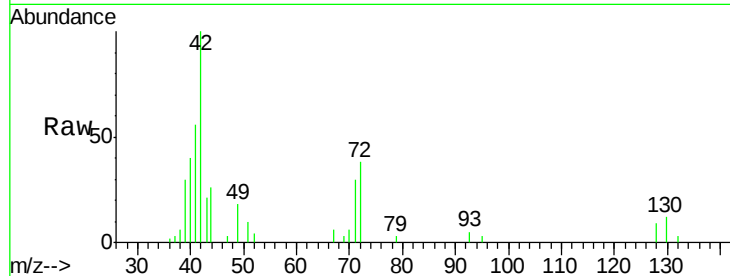
#29
Tetrahydrofuran
Concen: 4.283 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	31.0	46.6
71	32.5	29.4	44.2

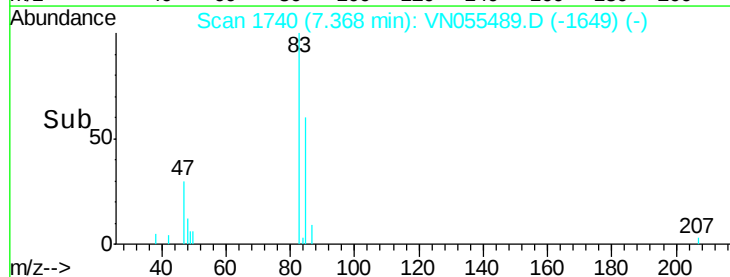
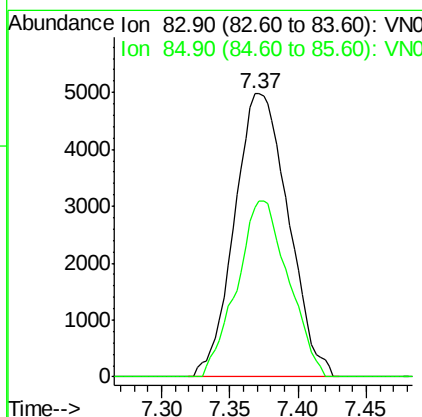
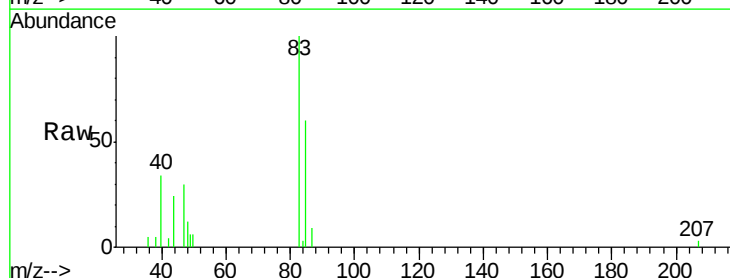
Manual Integrations
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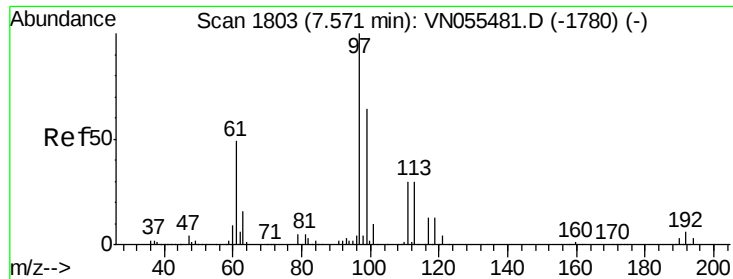
MMDadoda
5/10/2019 12:43:29 PM



#30
Chloroform
Concen: 0.886 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.0	51.3	76.9





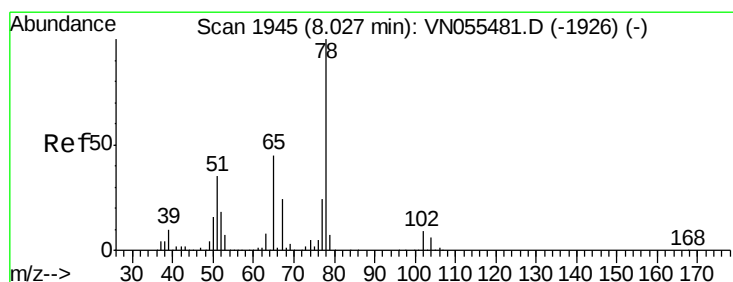
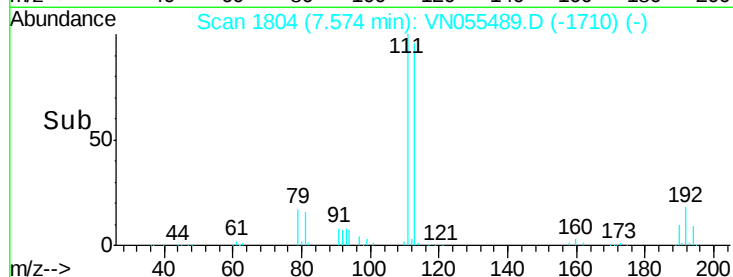
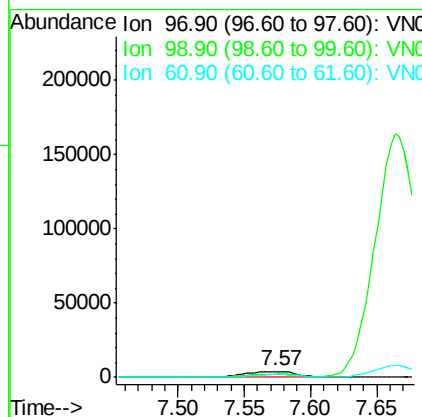
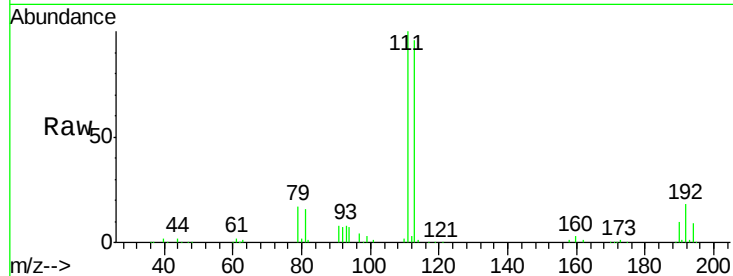
#32
 1,1,1-Trichloroethane
 Concen: 0.944 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

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

Tot Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.2	76.8#
61	43.0	39.2	58.8

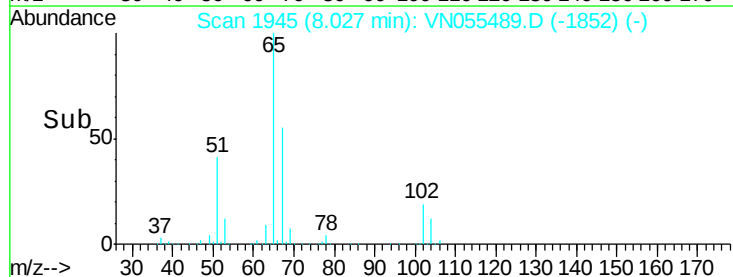
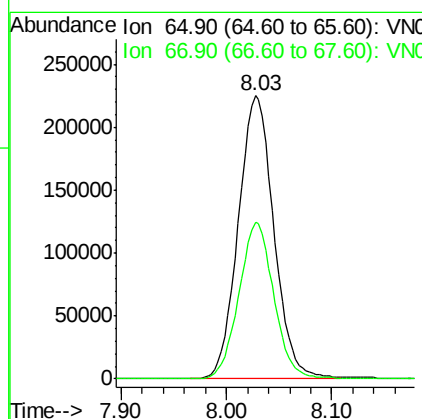
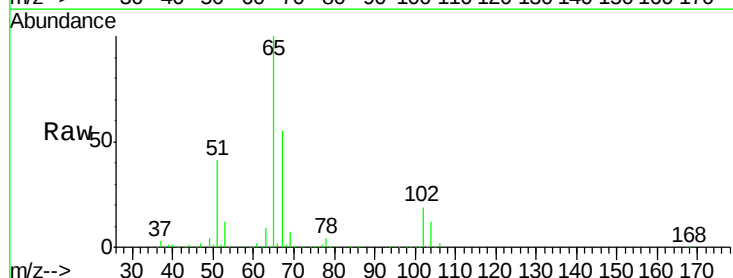
Manual Integrations
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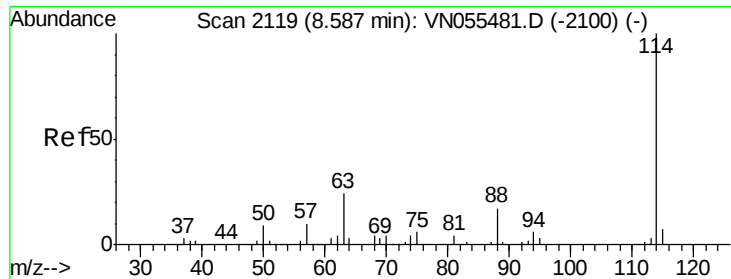
MMDadoda
 5/10/2019 12:43:29 PM



#33
 1,2-Dichloroethane-d4
 Concen: 51.765 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	109.6





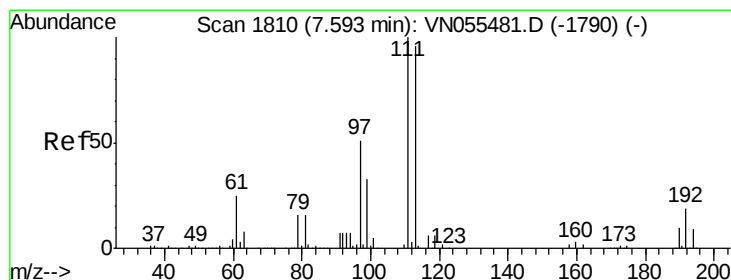
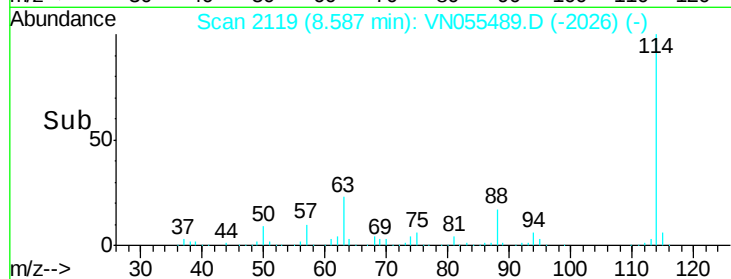
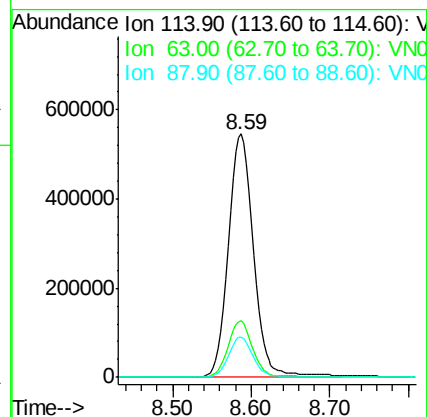
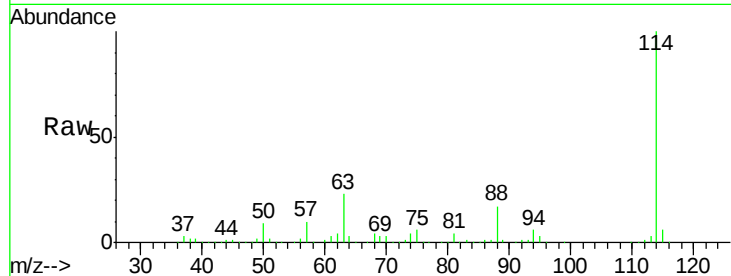
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	47.4
88	16.5	0.0	34.0

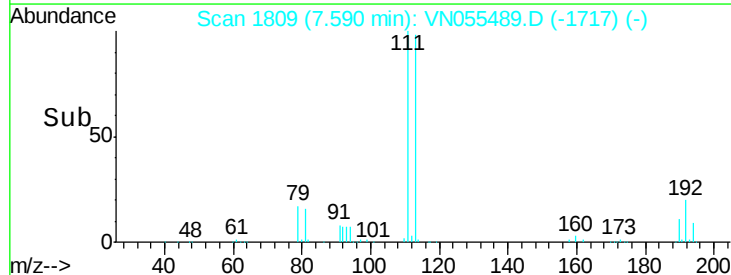
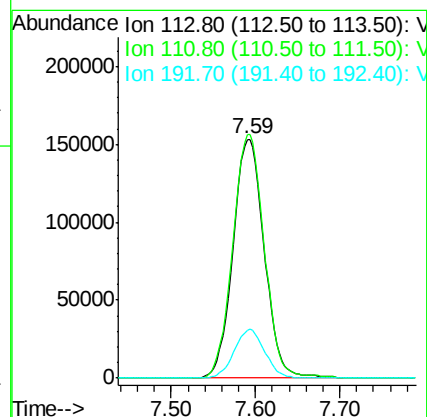
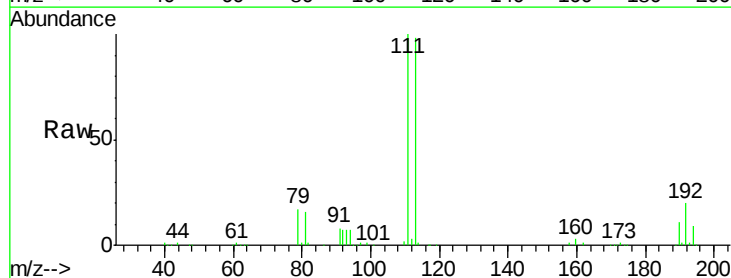
Manual Integrations
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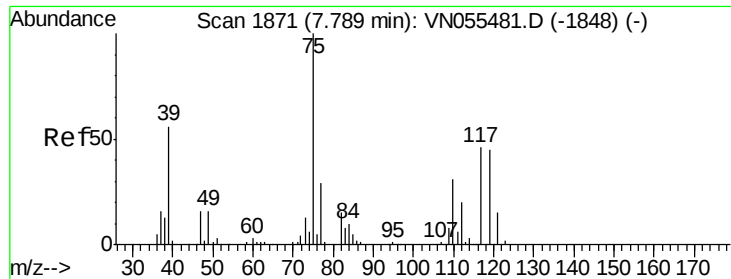
MMDadoda
 5/10/2019 12:43:29 PM



#35
 Dibromofluoromethane
 Concen: 50.610 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	19.9	15.6	23.4





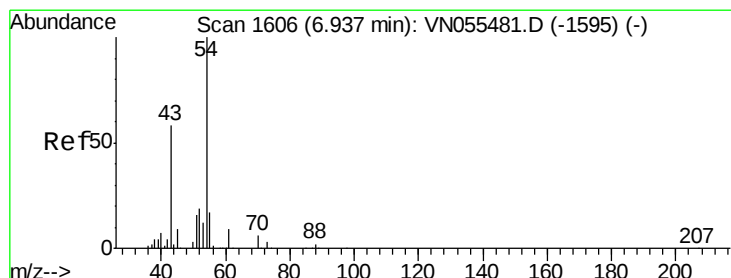
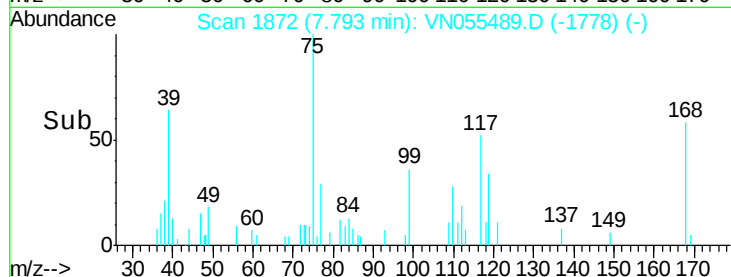
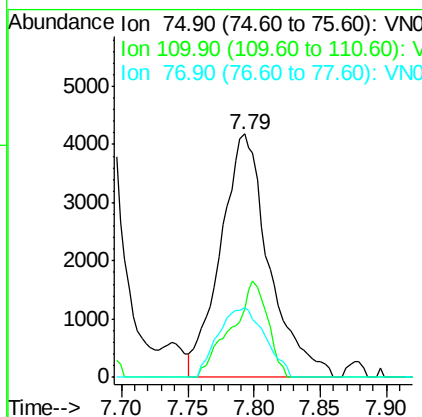
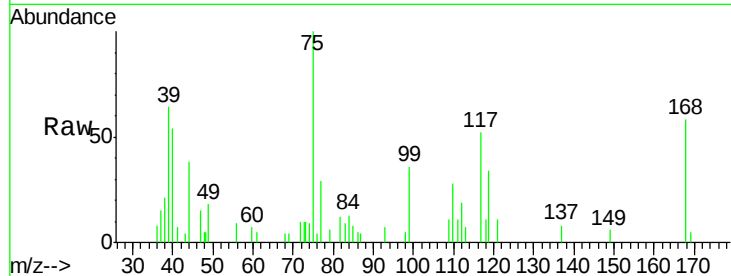
#36
 1,1-Dichloropropene
 Concen: 0.892 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

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

Tot Ion	Ratio	Lower	Upper
75	100		
110	29.5	16.1	48.3
77	27.6	24.6	37.0

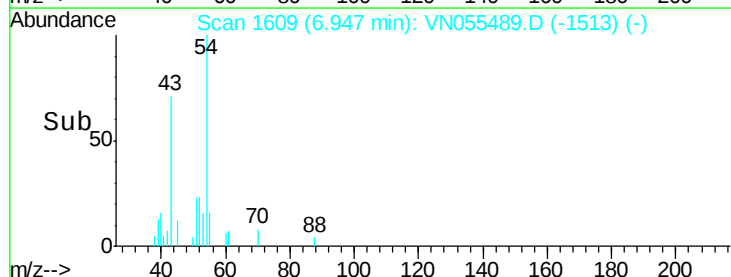
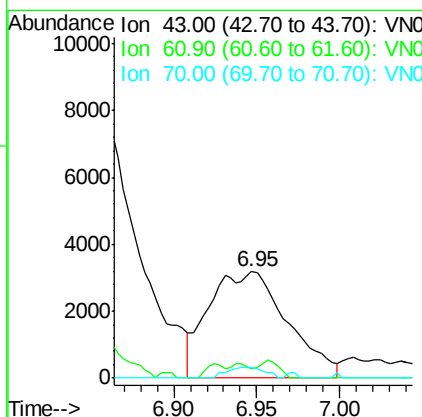
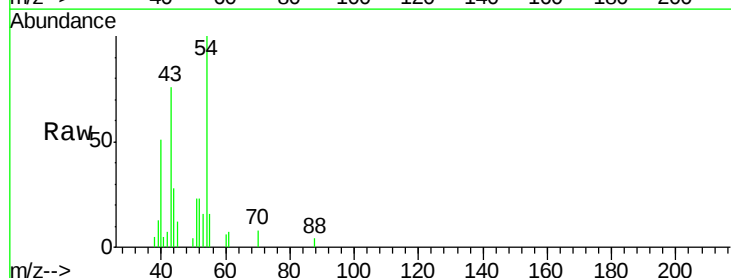
Manual Integrations
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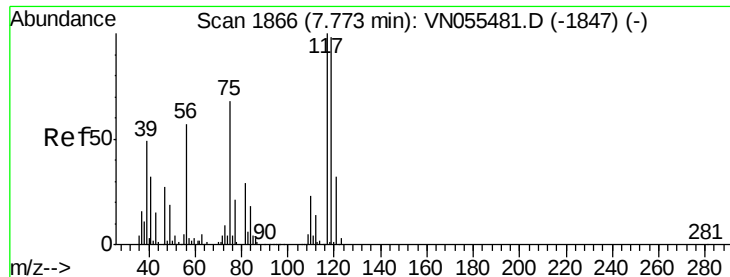
MMDadoda
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#37
 Ethyl Acetate
 Concen: 0.808 ug/l m
 RT: 6.95 min Scan# 1609
 Delta R.T. 0.01 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	7.0	10.6#





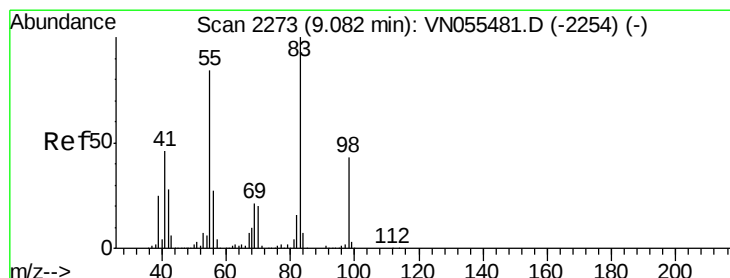
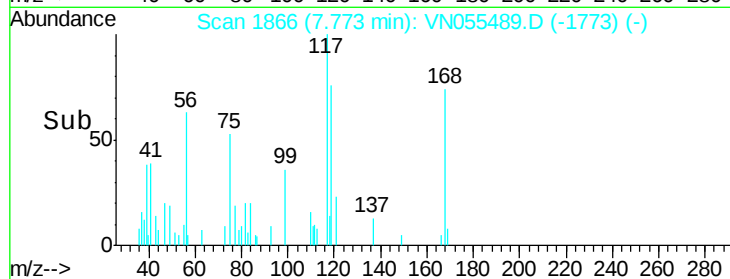
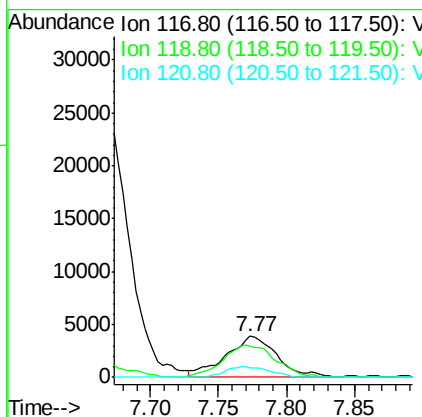
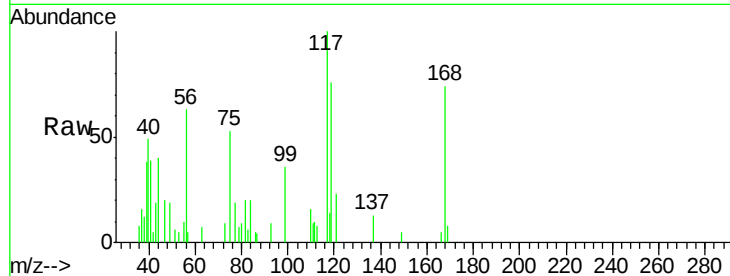
#38
Carbon Tetrachloride
Concen: 1.007 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

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

Tot Ion	Ratio	Lower	Upper
117	100		
119	76.0	77.8	116.6#
121	23.2	25.2	37.8#

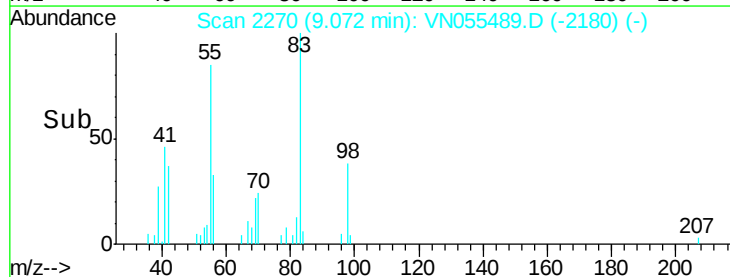
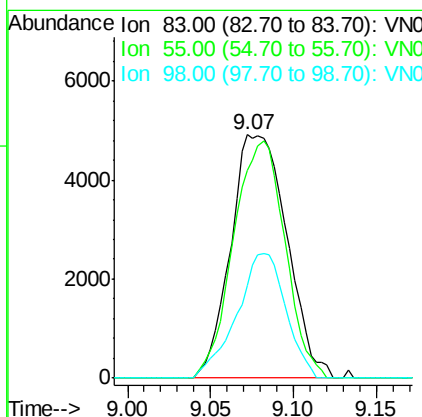
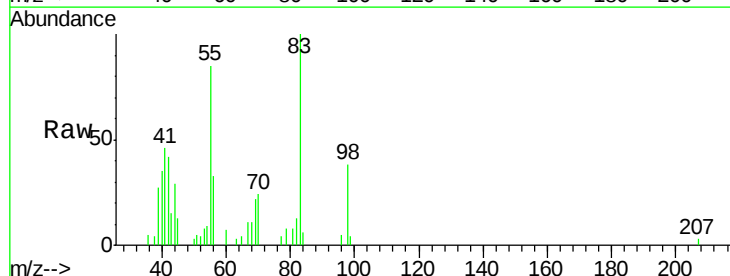
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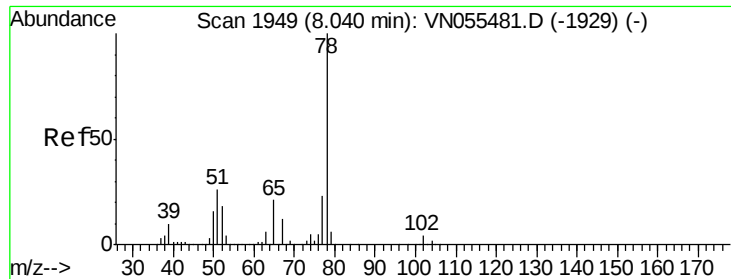
MMDadoda
5/10/2019 12:43:29 PM



#39
Methylcyclohexane
Concen: 0.796 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.01 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.2	67.0	100.4
98	37.9	34.2	51.4





#40

Benzene

Concen: 0.815 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 78 Resp: 30153

Ion Ratio Lower Upper

78 100

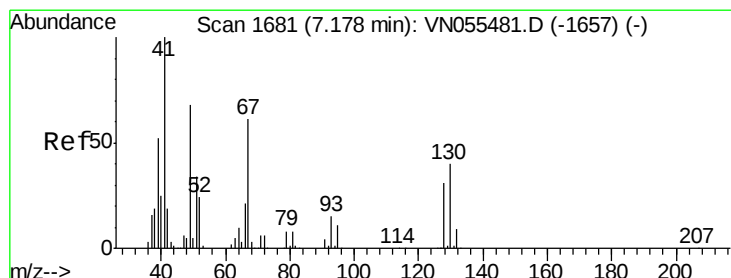
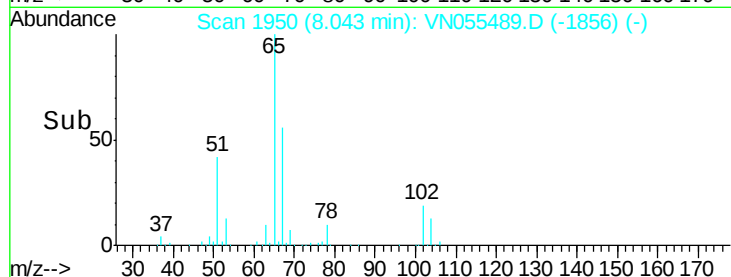
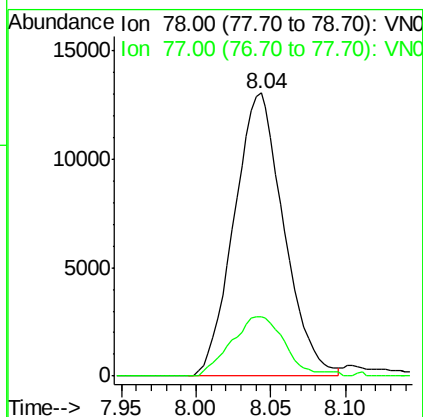
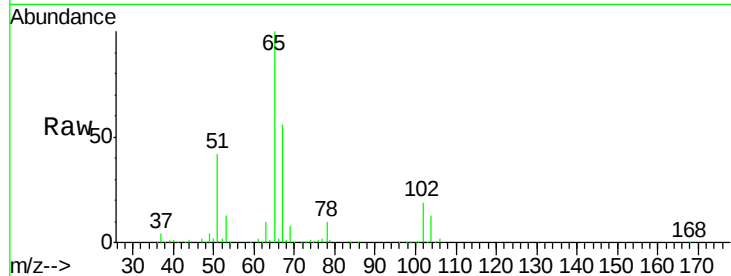
77 21.0 18.6 27.8

Manual Integrations

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MMDadoda

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#41

Methacrylonitrile

Concen: 0.715 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Tgt Ion: 41 Resp: 4313

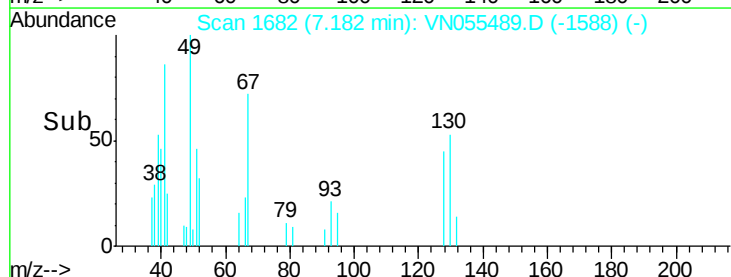
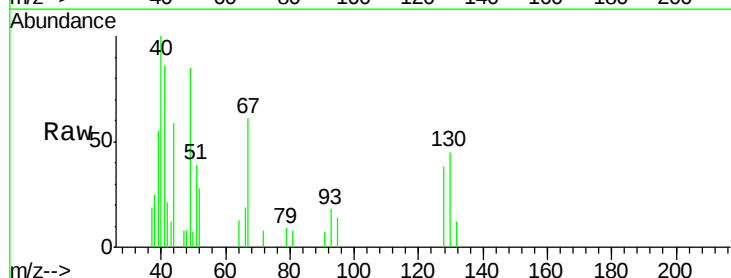
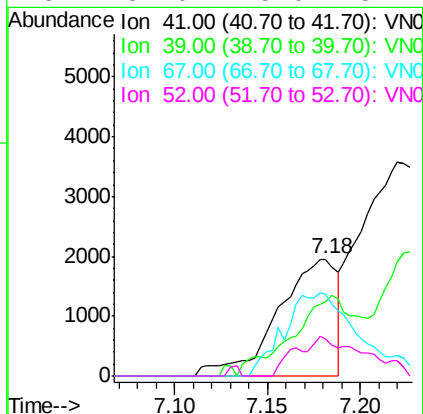
Ion Ratio Lower Upper

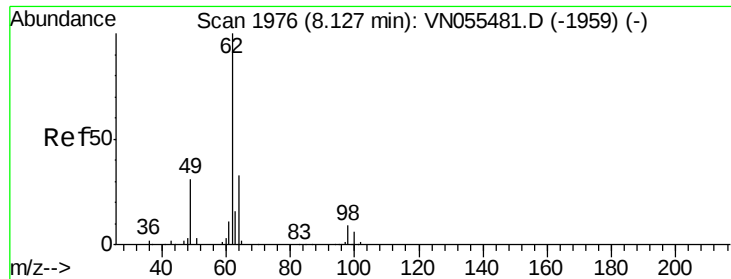
41 100

39 77.1 44.7 67.1#

67 91.5 61.4 92.0

52 31.0 25.0 37.4





#42

1,2-Dichloroethane

Concen: 0.928 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 62 Resp: 12058

Ion Ratio Lower Upper

62 100

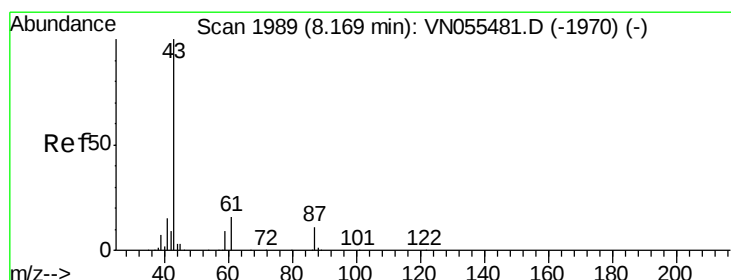
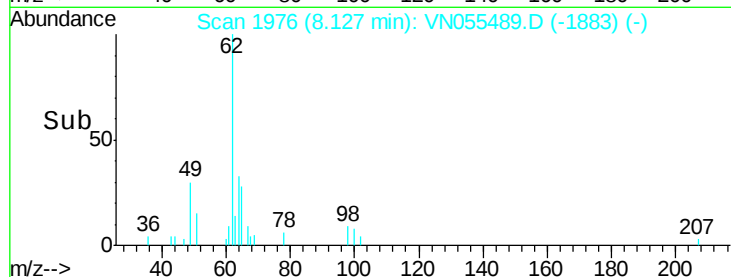
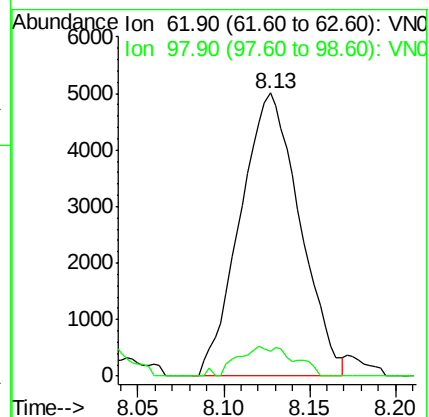
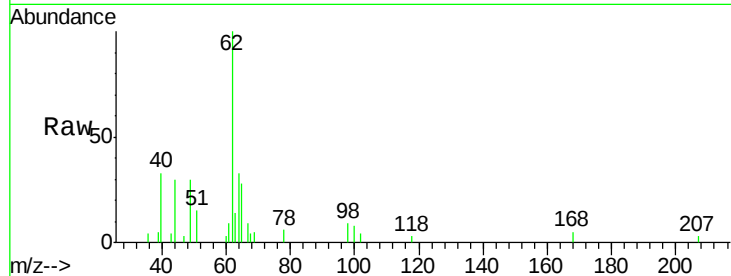
98 9.6 0.0 17.4

Manual Integrations

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#43

Isopropyl Acetate

Concen: 0.779 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

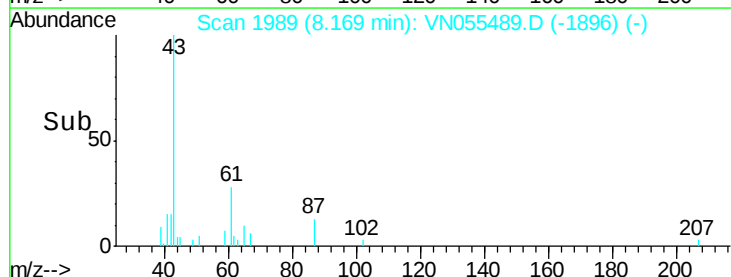
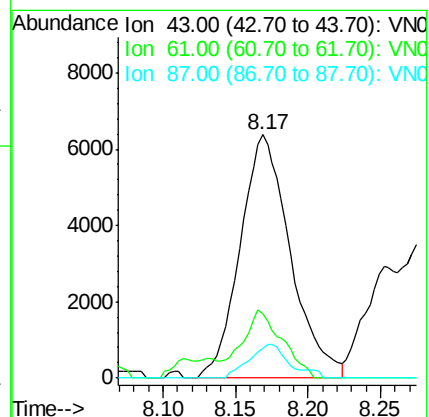
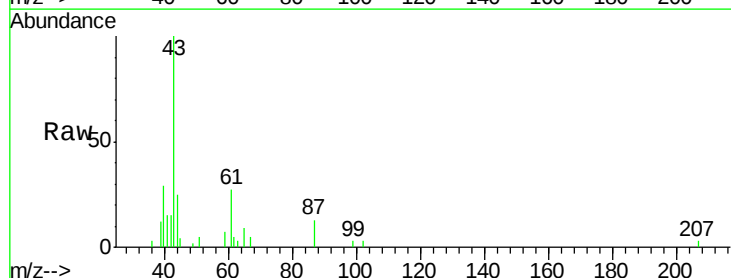
Tgt Ion: 43 Resp: 15377

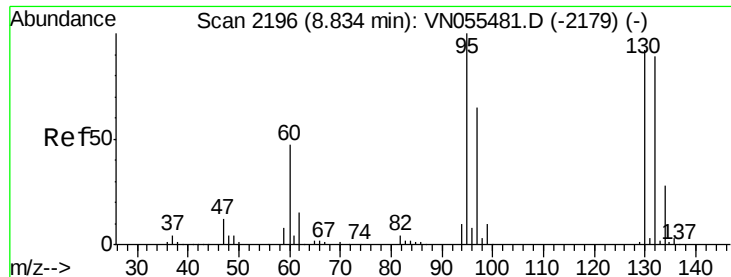
Ion Ratio Lower Upper

43 100

61 22.3 15.1 22.7

87 11.1 9.0 13.6





#44

Trichloroethene

Concen: 0.901 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:130 Resp: 7928

Ion Ratio Lower Upper

130 100

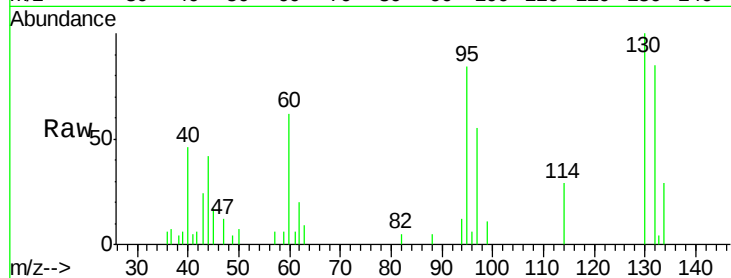
95 83.9 0.0 216.8

Manual Integrations

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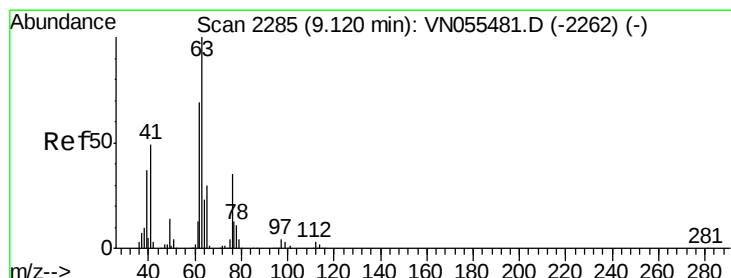
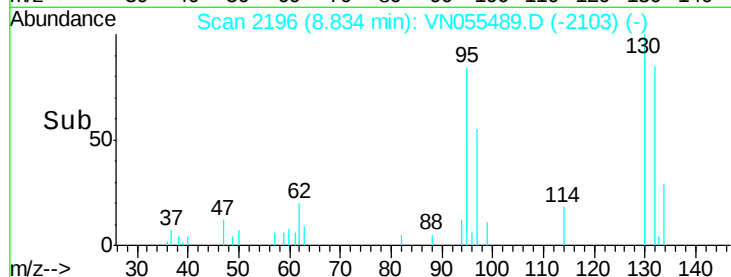
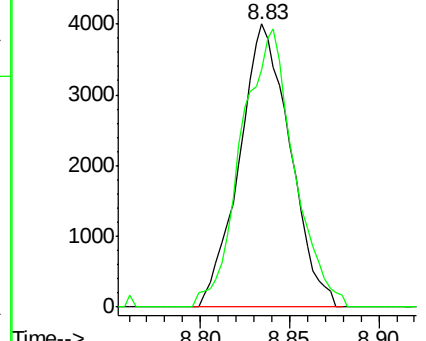
MMDadoda

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#45

1,2-Dichloropropane

Concen: 0.803 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055489.D

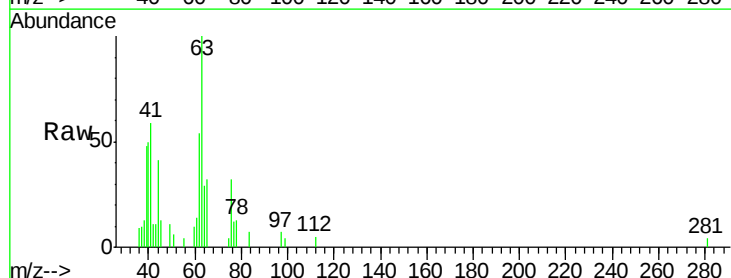
Acq: 9 May 2019 11:53

Tgt Ion: 63 Resp: 8499

Ion Ratio Lower Upper

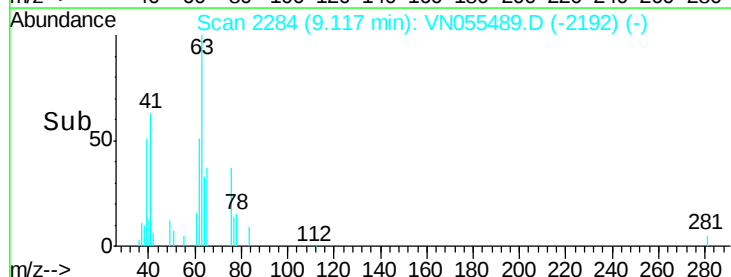
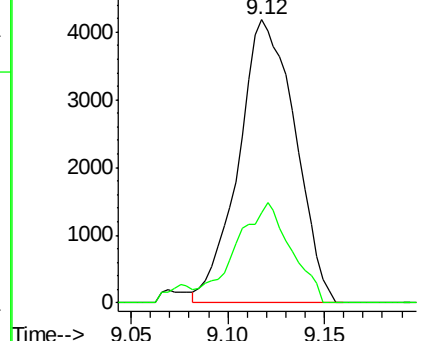
63 100

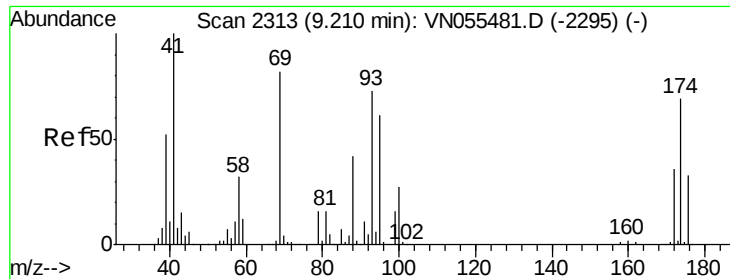
65 32.0 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





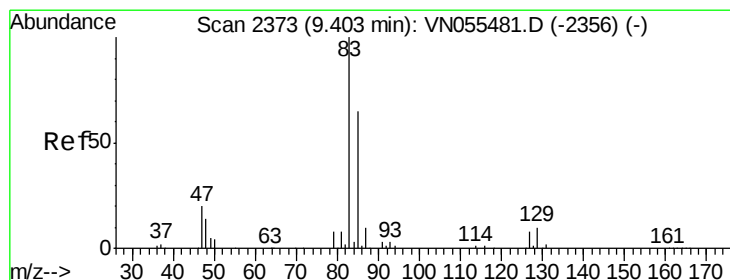
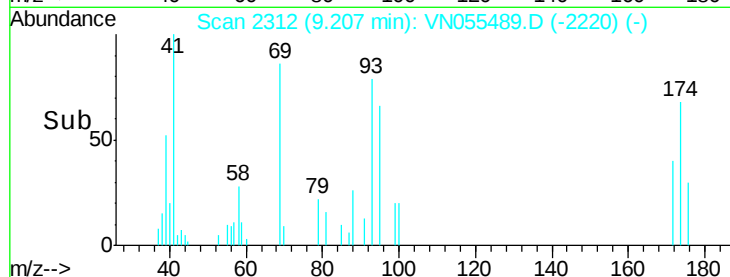
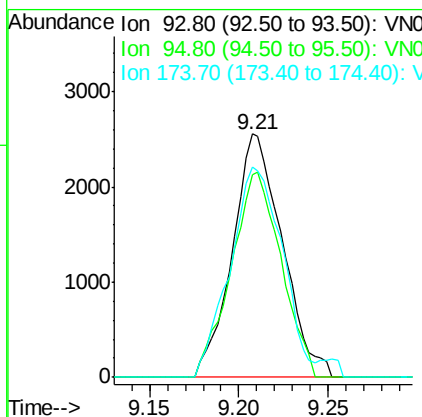
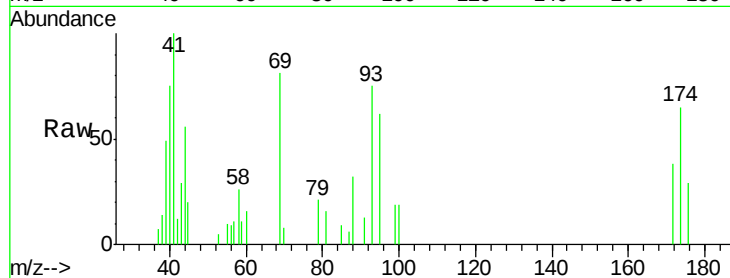
#46
Dibromomethane
Concen: 0.814 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. -0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

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

Tot Ion: 93 Resp: 4994
Ion Ratio Lower Upper
93 100
95 84.0 64.8 97.2
174 90.6 75.0 112.6

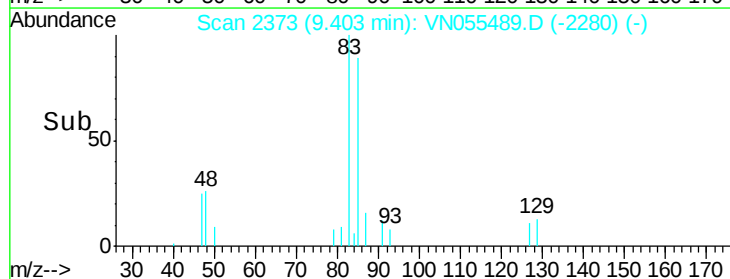
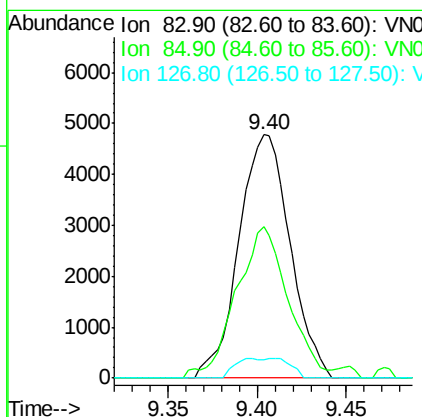
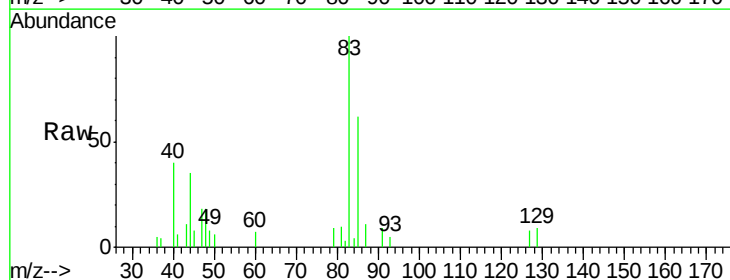
Manual Integrations
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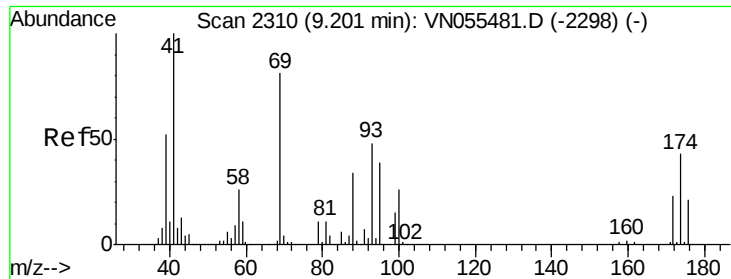
MMDadoda
5/10/2019 12:43:29 PM



#47
Bromodichloromethane
Concen: 0.815 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion: 83 Resp: 9568
Ion Ratio Lower Upper
83 100
85 59.1 52.2 78.2
127 7.8 6.5 9.7





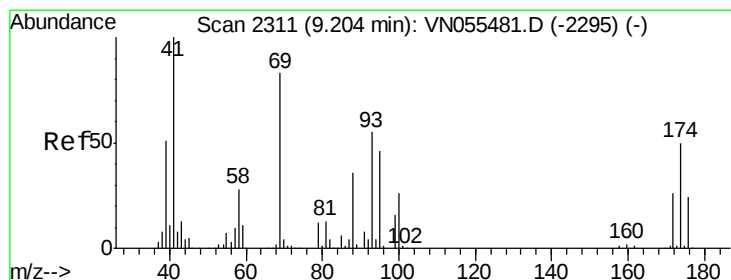
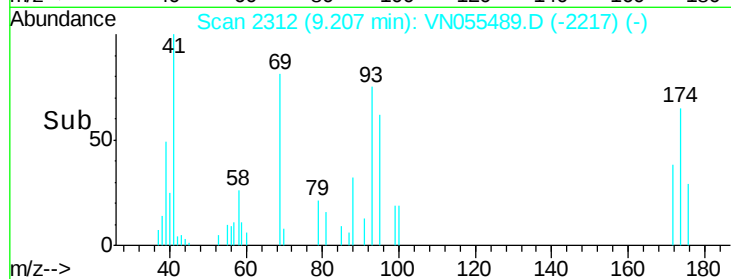
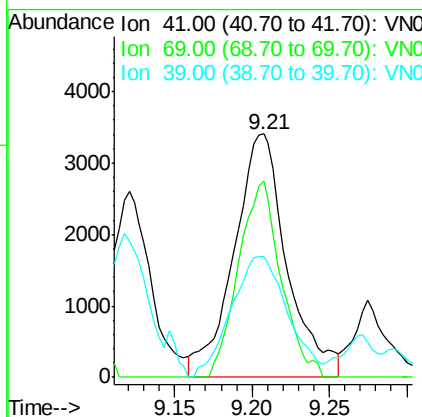
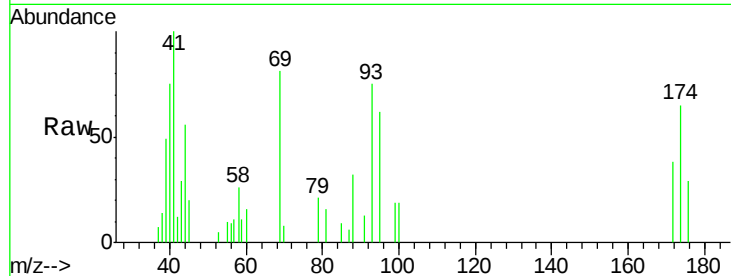
#48
Methyl methacrylate
Concen: 0.854 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

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

Tot Ion	Ratio	Resp	Lower	Upper
41	100	8126		
69	64.6		64.2	96.2
39	53.1		41.6	62.4

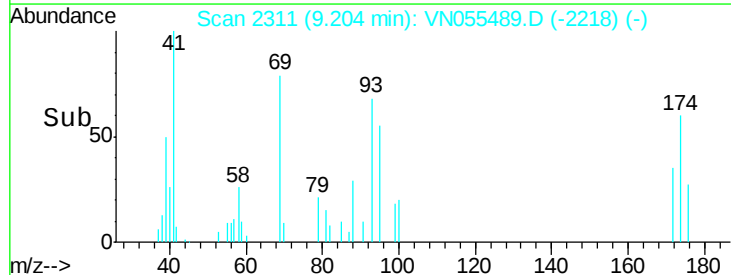
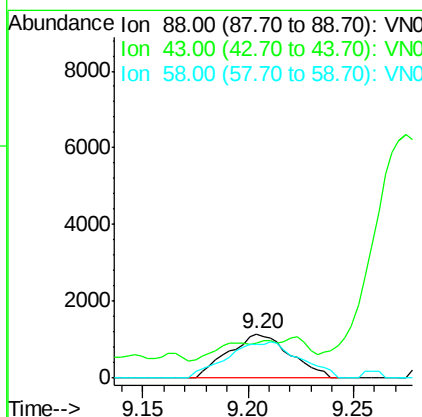
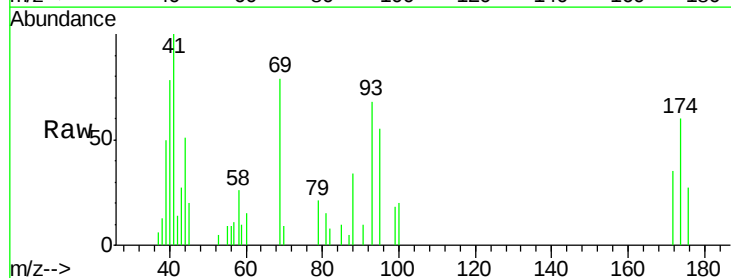
Manual Integrations
APPROVED

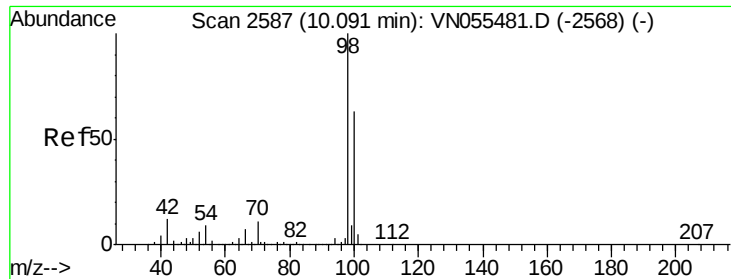
MMDadoda
5/10/2019 12:43:29 PM



#49
1,4-Dioxane
Concen: 12.643 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	2345		
43	23.4		27.8	41.8#
58	95.9		61.8	92.6#





#50

Toluene-d8

Concen: 48.192 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 98 Resp: 1465622

Ion Ratio Lower Upper

98 100

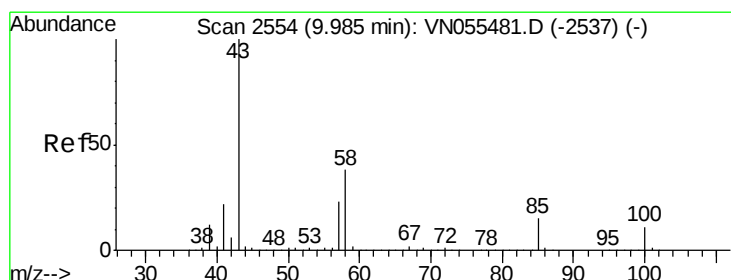
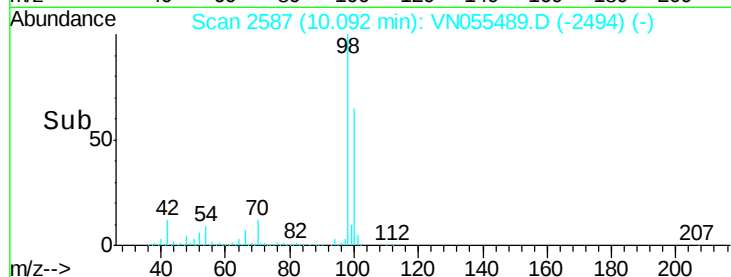
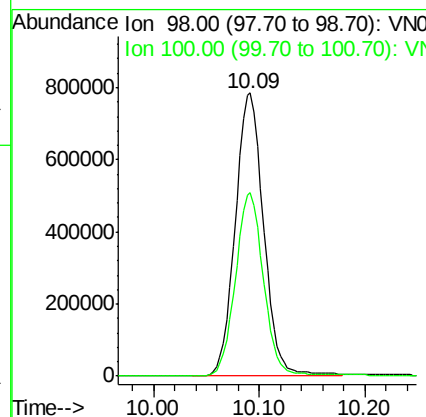
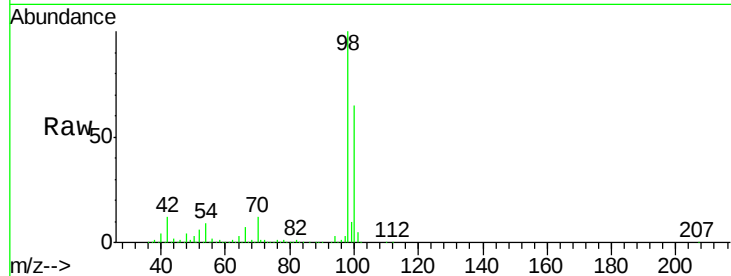
100 63.8 50.4 75.6

Manual Integrations

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#51

4-Methyl-2-Pentanone

Concen: 3.466 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055489.D

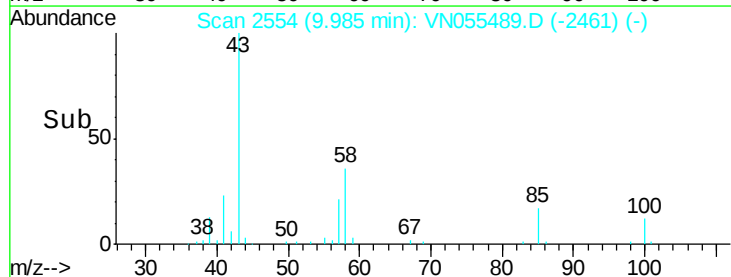
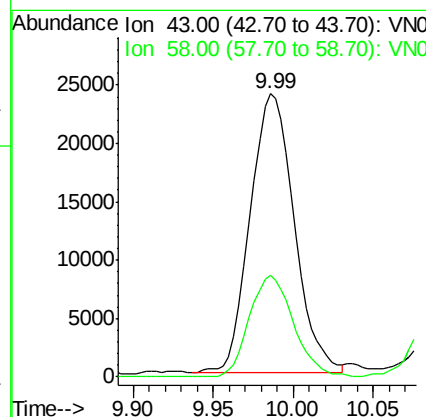
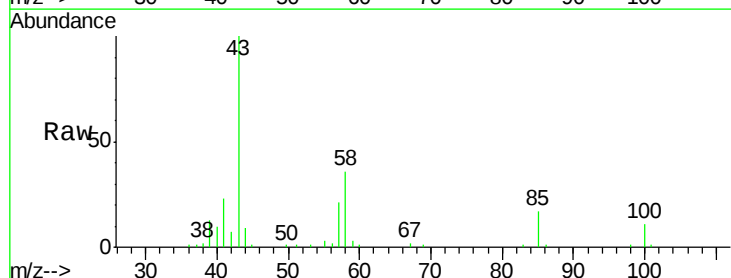
Acq: 9 May 2019 11:53

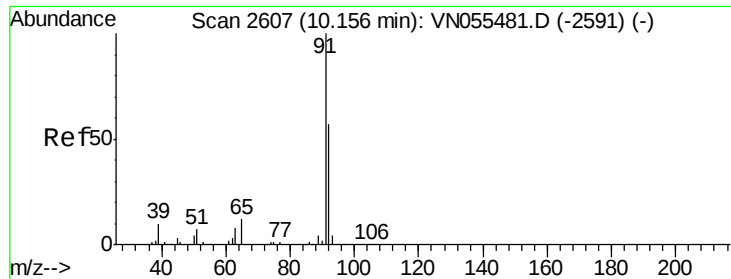
Tgt Ion: 43 Resp: 45020

Ion Ratio Lower Upper

43 100

58 36.4 29.9 44.9





#52

Toluene

Concen: 0.829 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 92 Resp: 17528

Ion Ratio Lower Upper

92 100

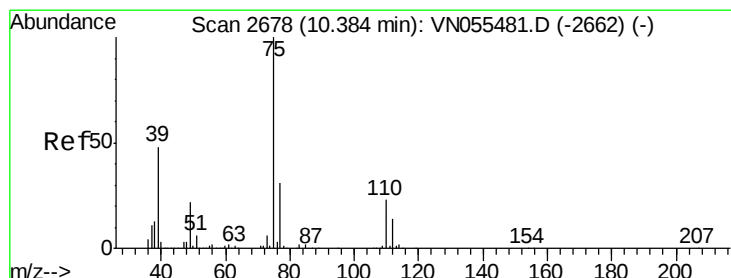
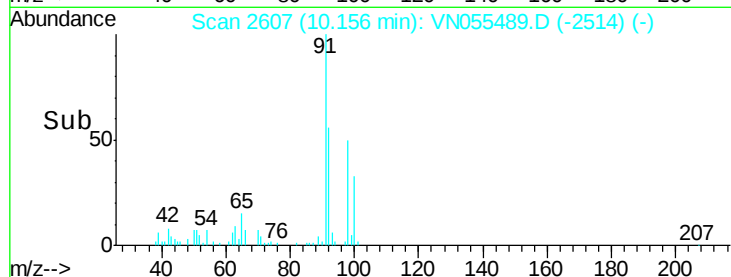
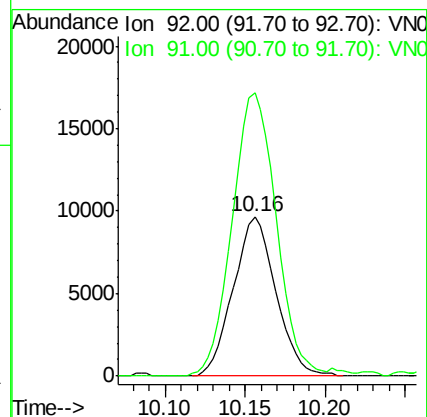
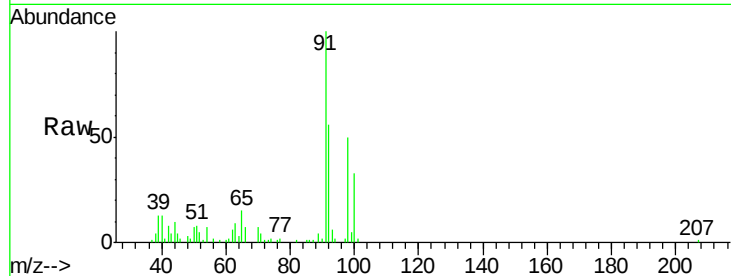
91 183.5 140.5 210.7

Manual Integrations

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#53

t-1,3-Dichloropropene

Concen: 0.767 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055489.D

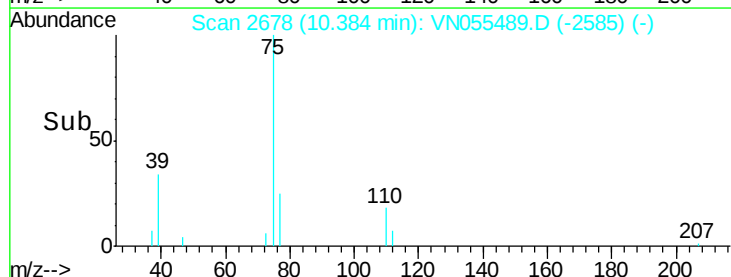
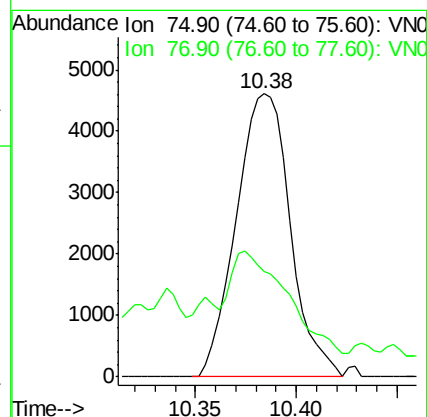
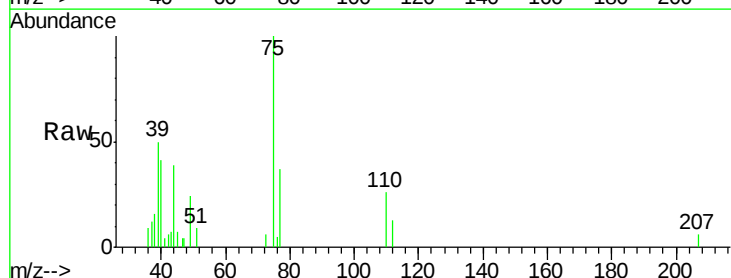
Acq: 9 May 2019 11:53

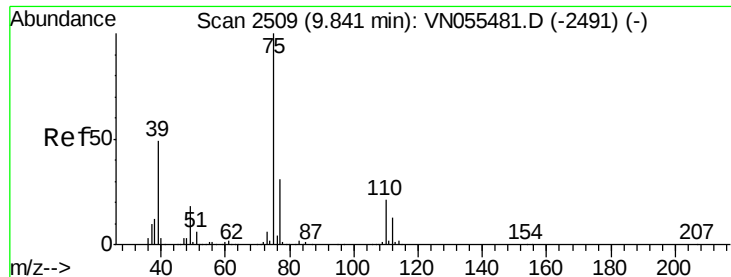
Tgt Ion: 75 Resp: 8646

Ion Ratio Lower Upper

75 100

77 29.2 25.1 37.7





#54

cis-1,3-Dichloropropene

Concen: 0.743 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

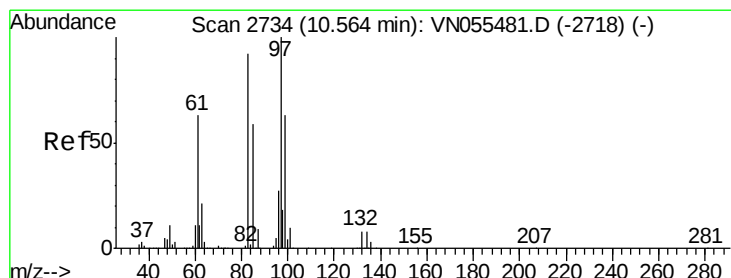
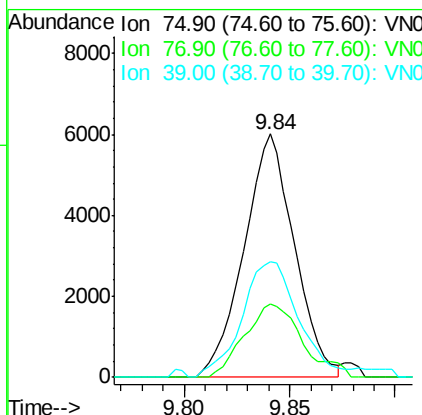
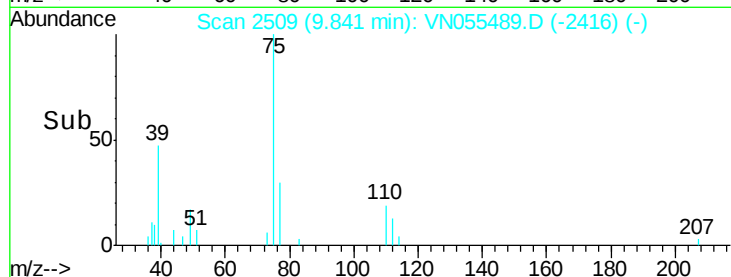
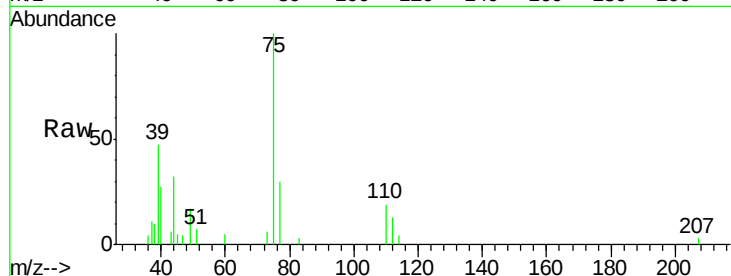
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	75	Resp:	10013
Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.4	36.6
39	47.4	39.5	59.3

Manual Integrations
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#55

1,1,2-Trichloroethane

Concen: 0.818 ug/l

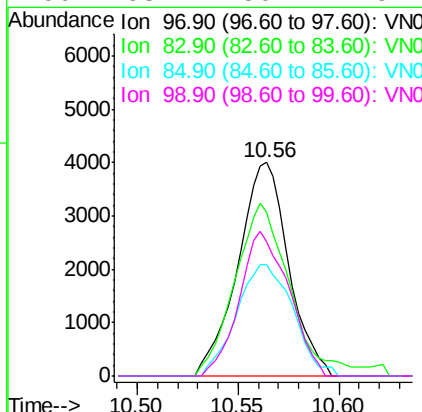
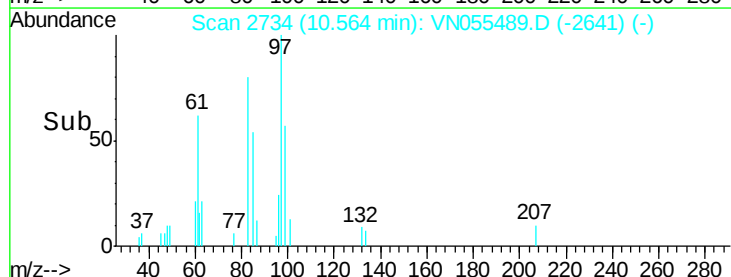
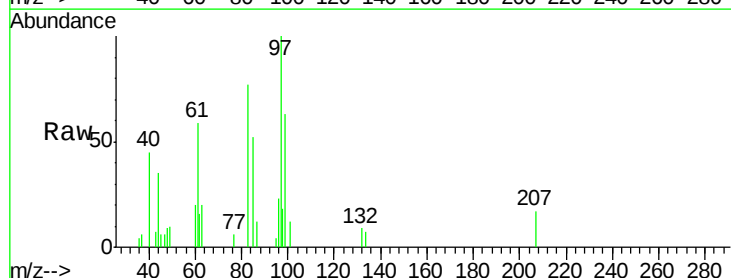
RT: 10.56 min Scan# 2734

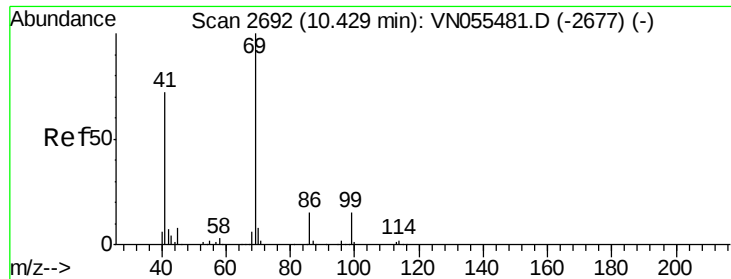
Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Tgt Ion:	97	Resp:	7012
Ion	Ratio	Lower	Upper
97	100		
83	76.7	73.2	109.8
85	52.2	47.5	71.3
99	63.2	50.2	75.2





#56

Ethyl methacrylate

Concen: 0.672 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

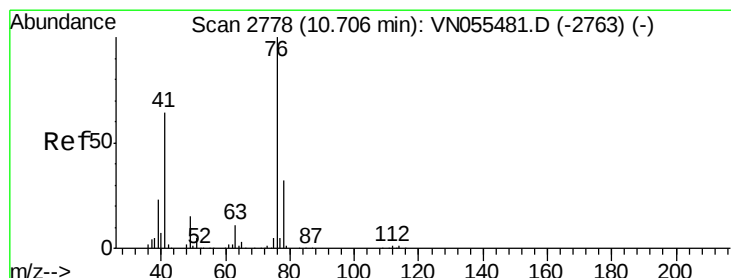
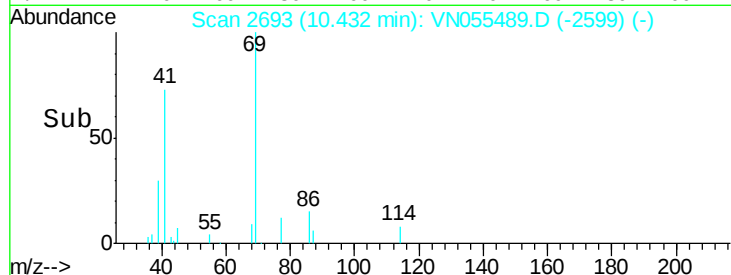
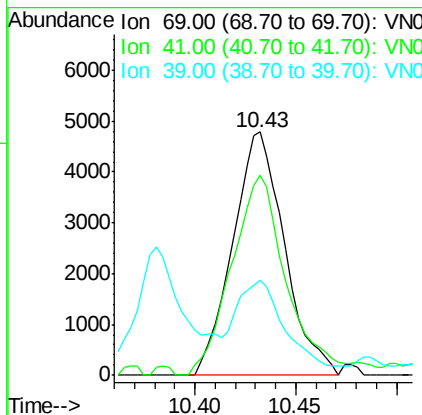
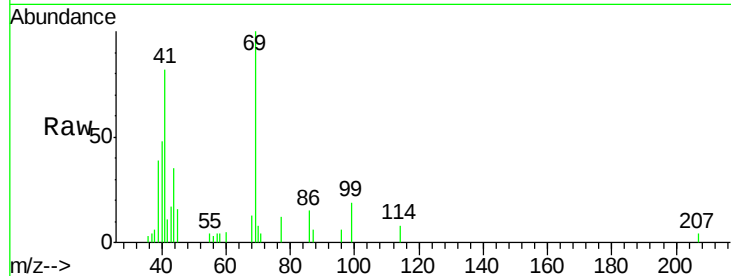
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	69	Resp:	8566
Ion	Ratio	Lower	Upper
69	100		
41	89.2	56.2	84.2#
39	34.3	27.8	41.6

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#57

1,3-Dichloropropane

Concen: 0.781 ug/l

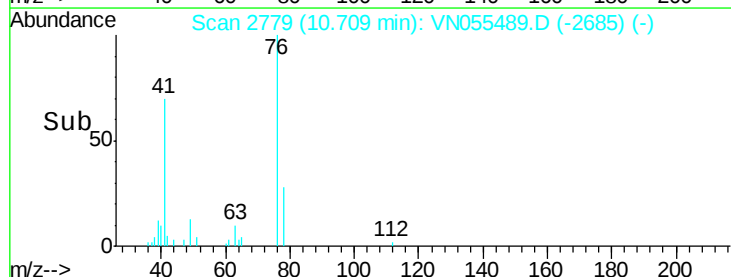
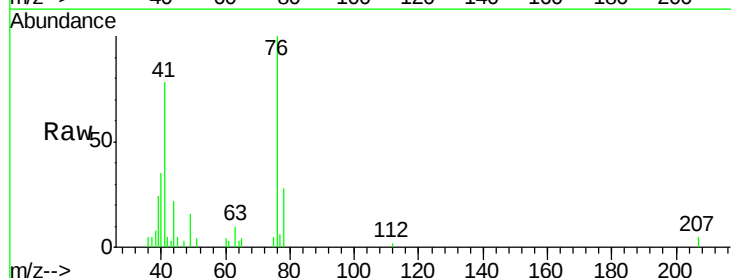
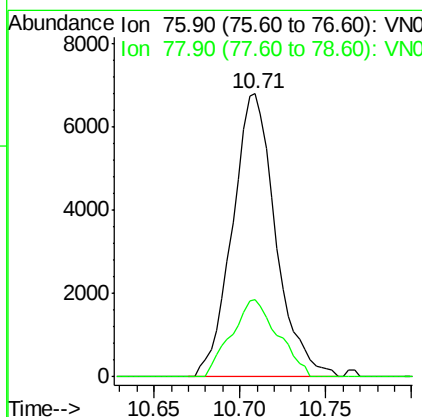
RT: 10.71 min Scan# 2779

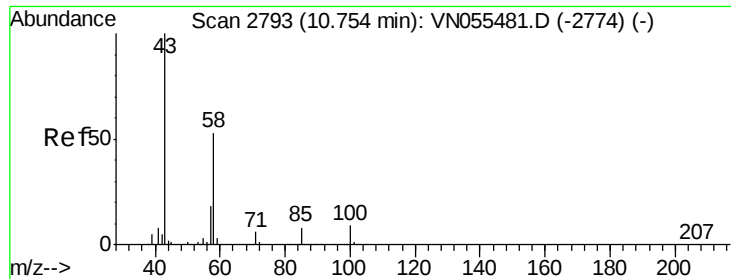
Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Tgt Ion:	76	Resp:	11887
Ion	Ratio	Lower	Upper
76	100		
78	29.3	25.8	38.6





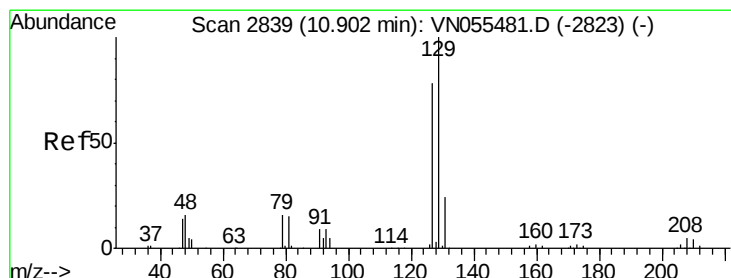
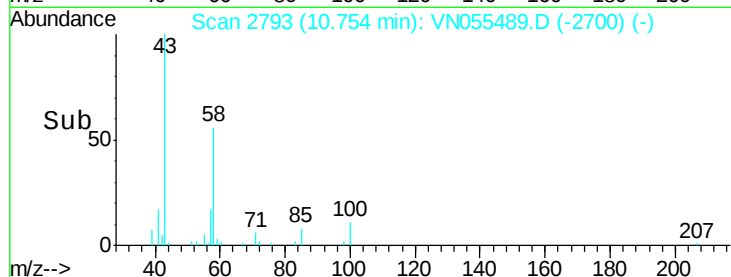
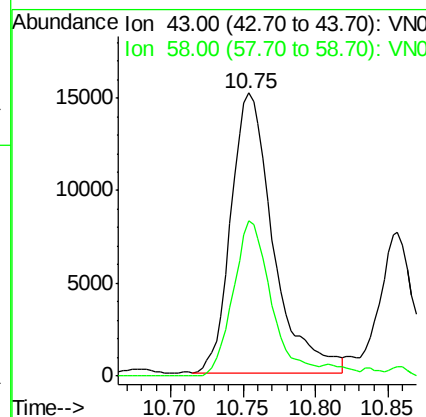
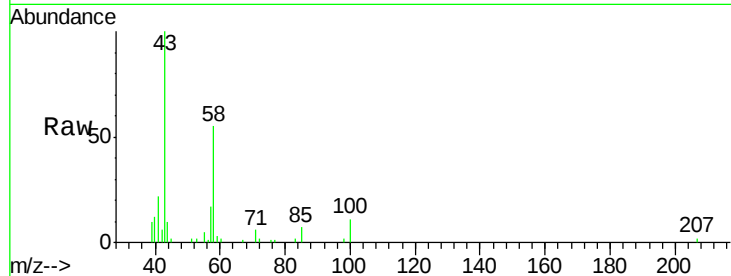
#59
2-Hexanone
Concen: 3.360 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

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

Tot Ion: 43 Resp: 30614
Ion Ratio Lower Upper
43 100
58 49.8 26.4 79.0

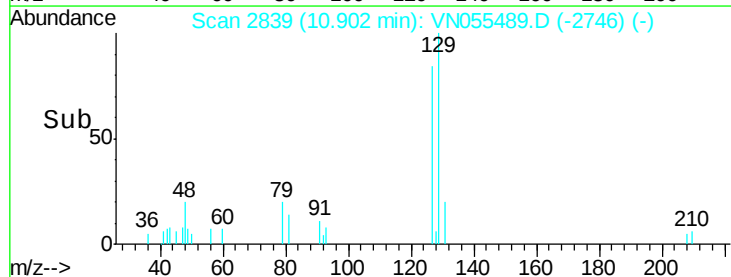
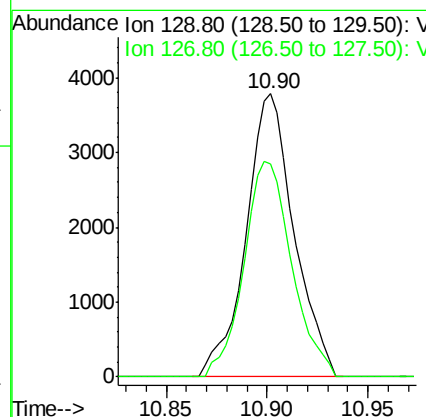
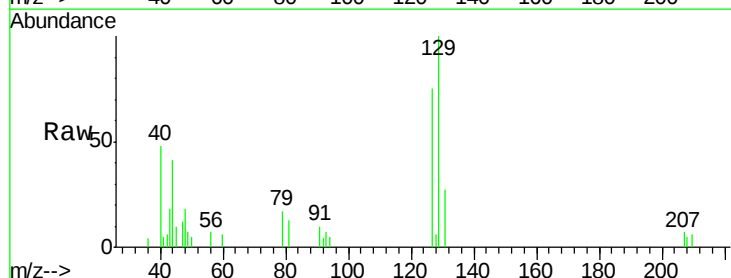
Manual Integrations
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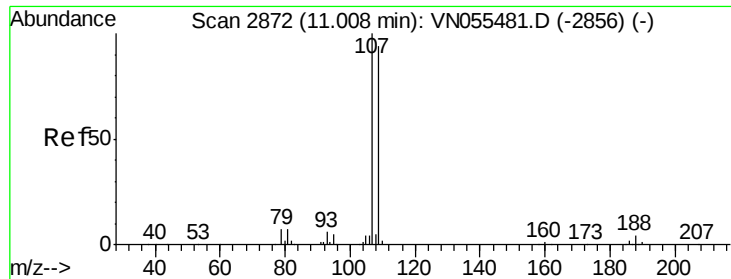
MMDadoda
5/10/2019 12:43:29 PM



#60
Dibromochloromethane
Concen: 0.806 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion: 129 Resp: 6280
Ion Ratio Lower Upper
129 100
127 76.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 0.732 ug/l

RT: 11.01 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 107 Resp: 6023

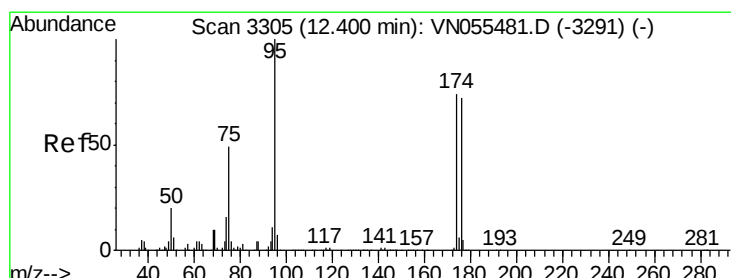
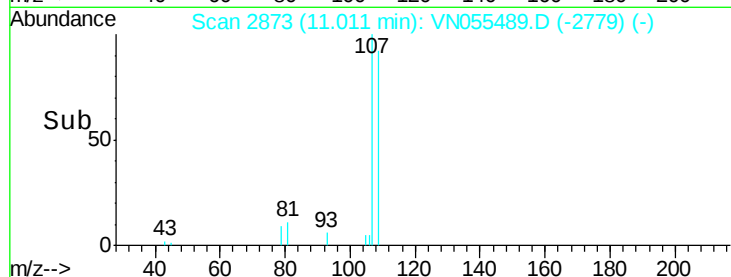
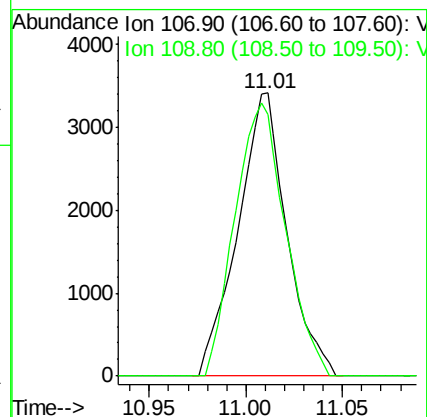
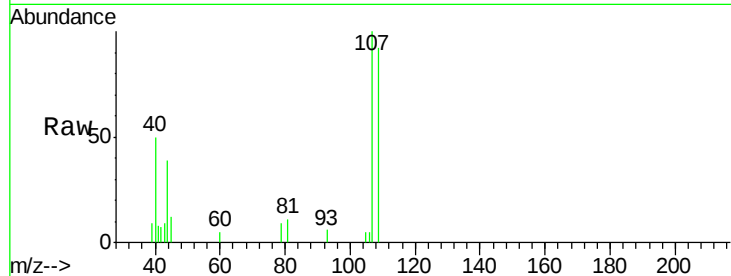
Ion Ratio Lower Upper

107 100

109 99.6 74.2 111.4

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 42.479 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

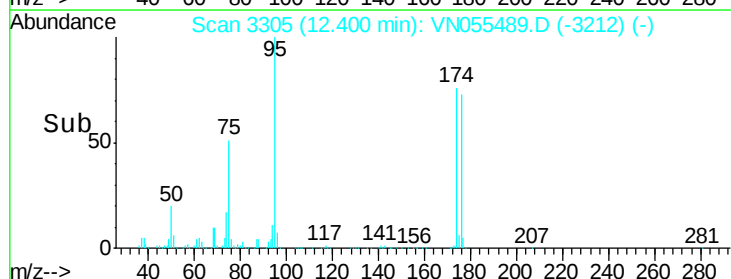
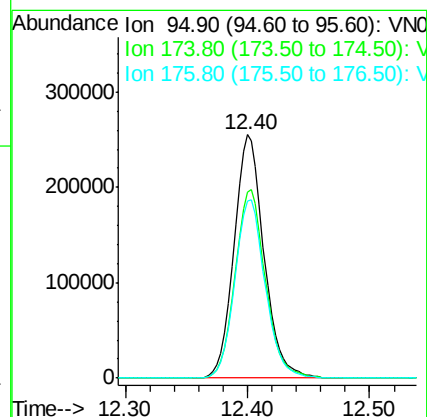
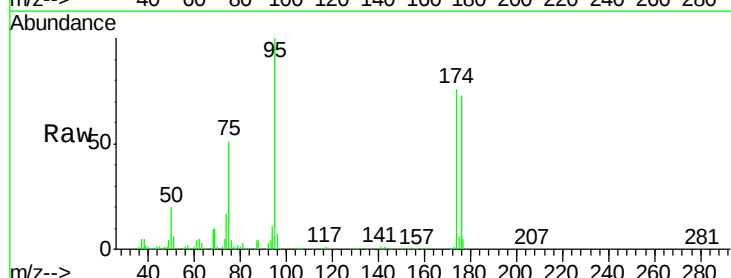
Tgt Ion: 95 Resp: 435595

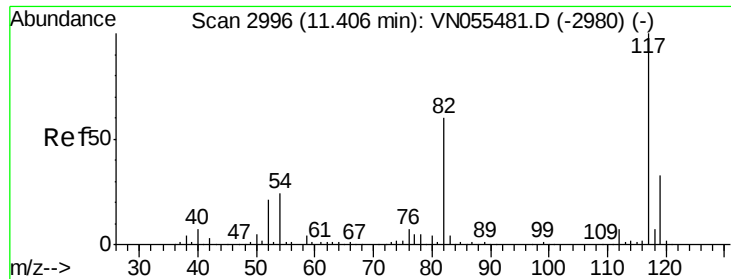
Ion Ratio Lower Upper

95 100

174 78.5 0.0 152.2

176 74.5 0.0 147.8





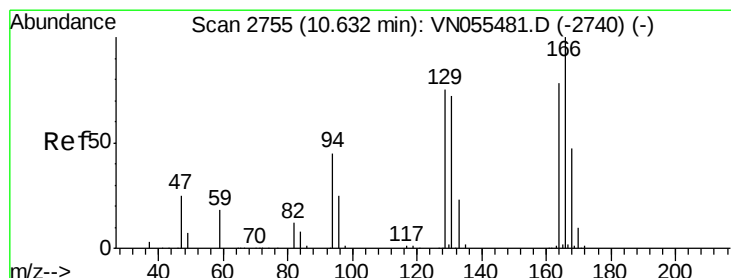
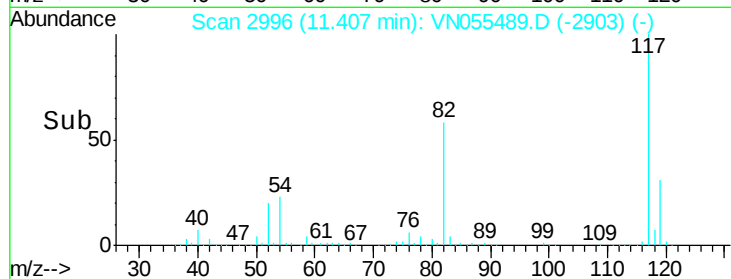
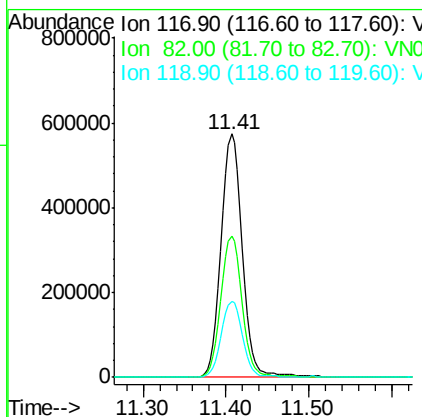
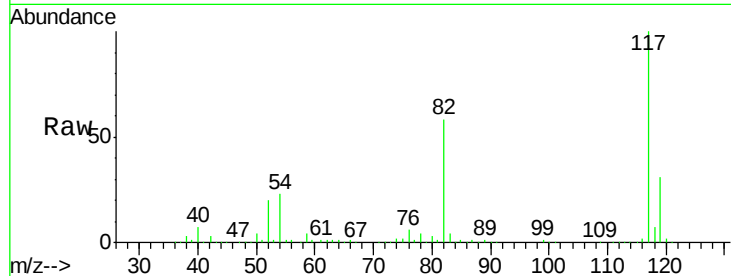
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

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

Tot Ion:117 Resp: 1015690
Ion Ratio Lower Upper
117 100
82 58.1 48.0 72.0
119 31.4 26.0 39.0

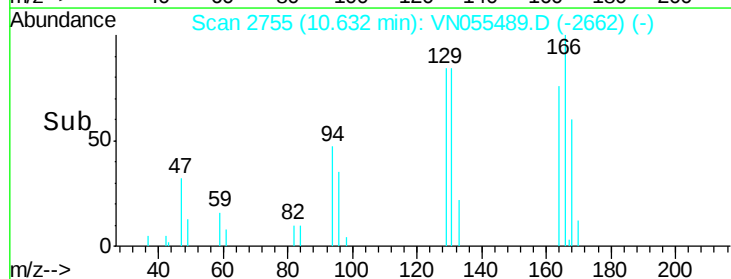
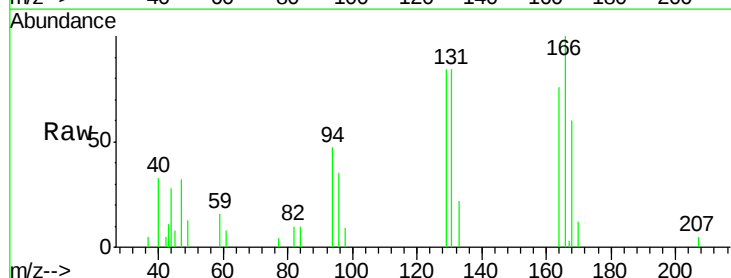
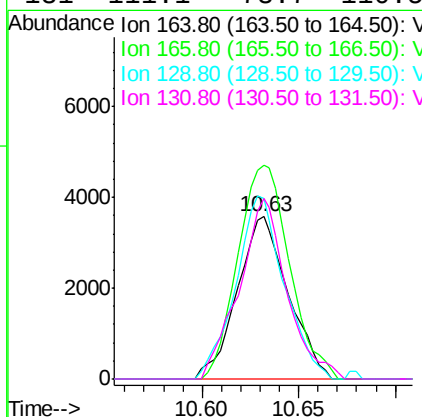
Manual Integrations
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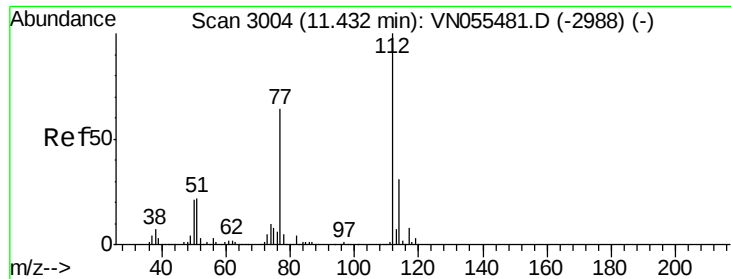
MMDadoda
5/10/2019 12:43:29 PM



#64
Tetrachloroethene
Concen: 0.786 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion:164 Resp: 6541
Ion Ratio Lower Upper
164 100
166 131.6 102.6 153.8
129 110.9 77.0 115.6
131 111.1 73.7 110.5#





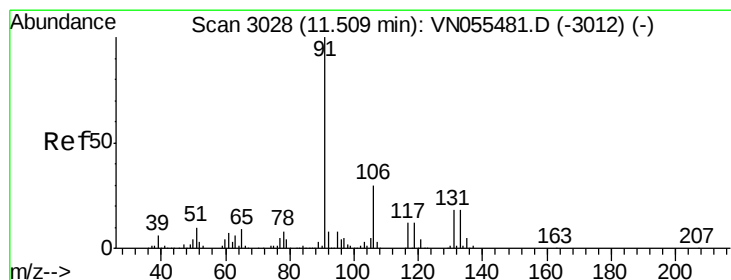
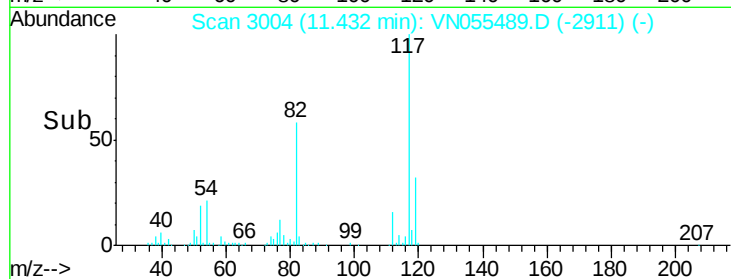
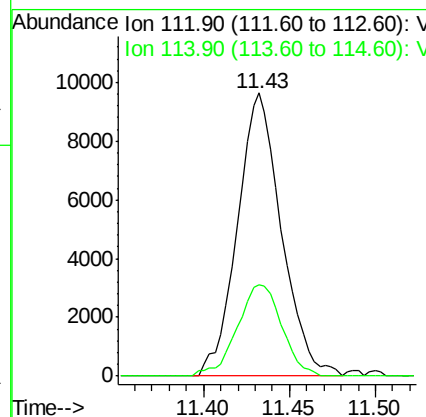
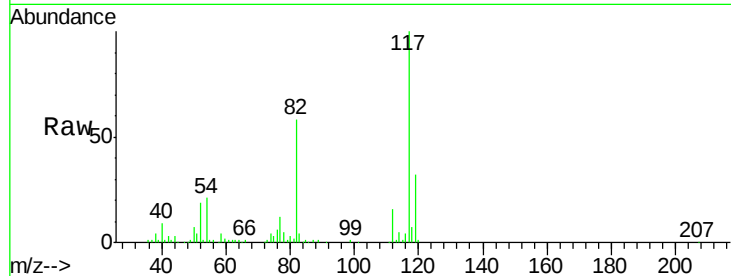
#65
Chlorobenzene
Concen: 0.820 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

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

Tot Ion:112 Resp: 17137
Ion Ratio Lower Upper
112 100
114 32.4 25.0 37.4

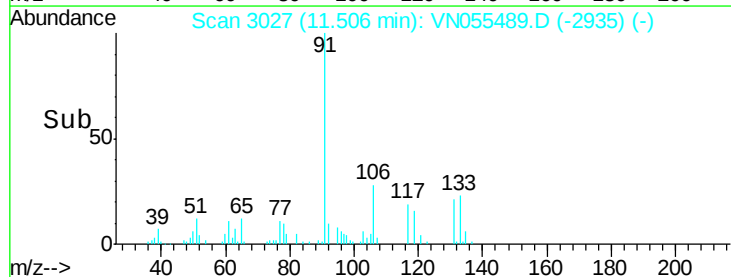
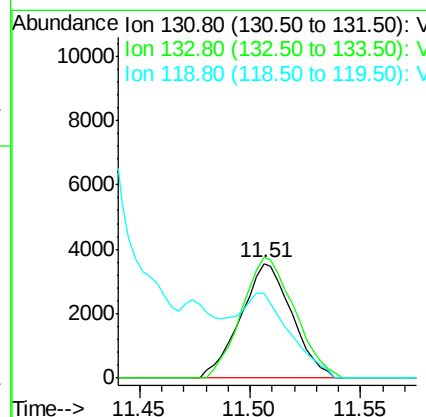
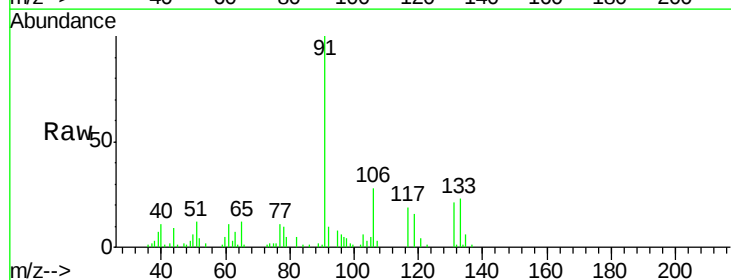
Manual Integrations
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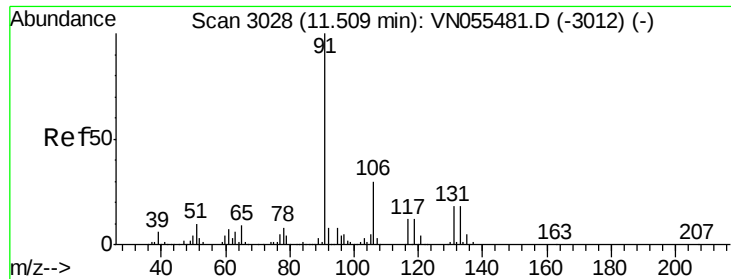
MMDadoda
5/10/2019 12:43:29 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 0.796 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion:131 Resp: 5724
Ion Ratio Lower Upper
131 100
133 108.8 47.4 142.2
119 0.0 34.1 102.2#





#67

Ethyl Benzene

Concen: 0.759 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 91 Resp: 29769

Ion Ratio Lower Upper

91 100

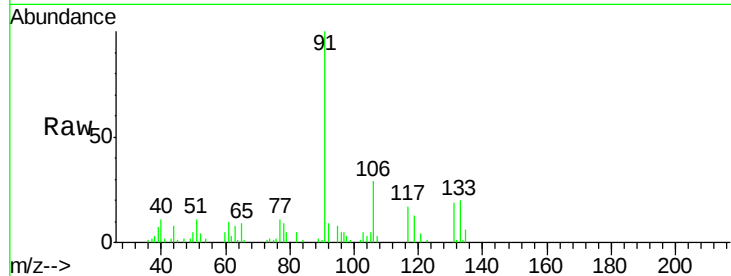
106 29.2 23.8 35.6

Manual Integrations

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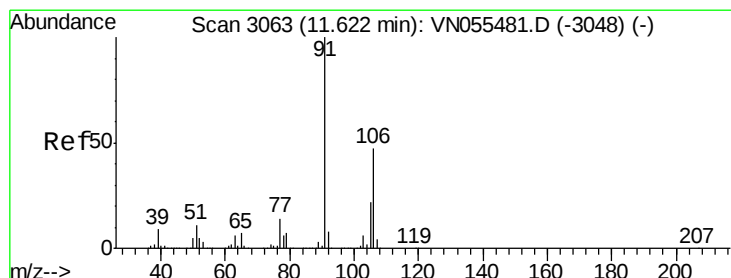
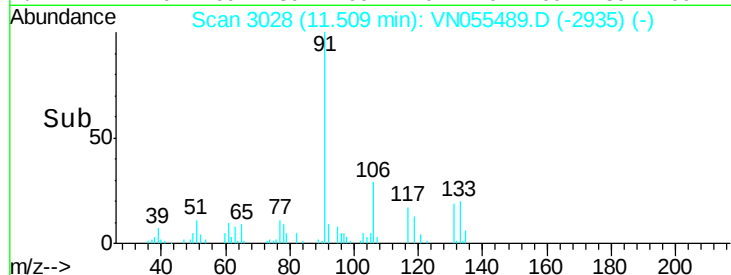
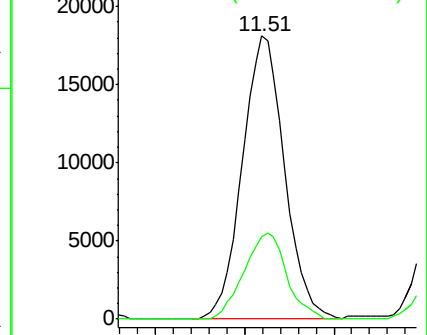
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 1.464 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN055489.D

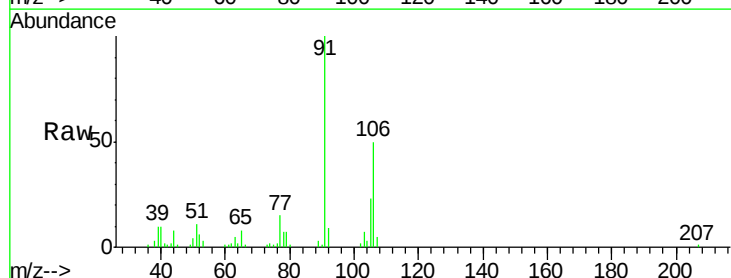
Acq: 9 May 2019 11:53

Tgt Ion: 106 Resp: 20621

Ion Ratio Lower Upper

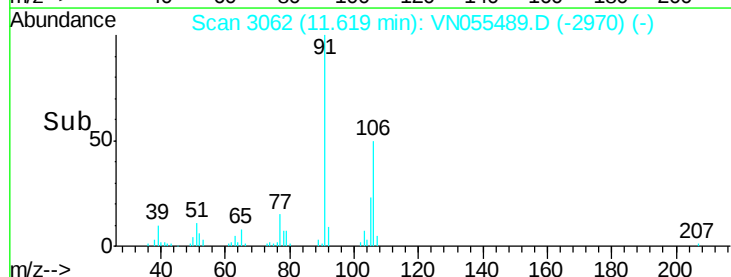
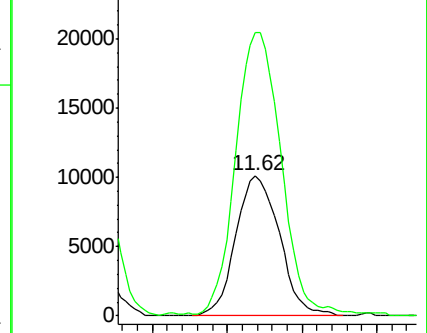
106 100

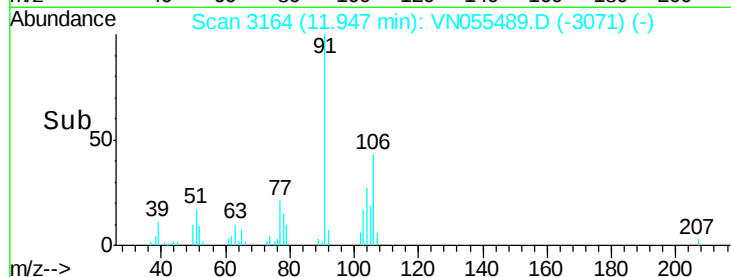
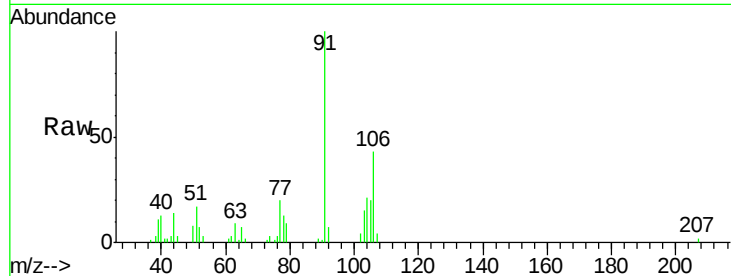
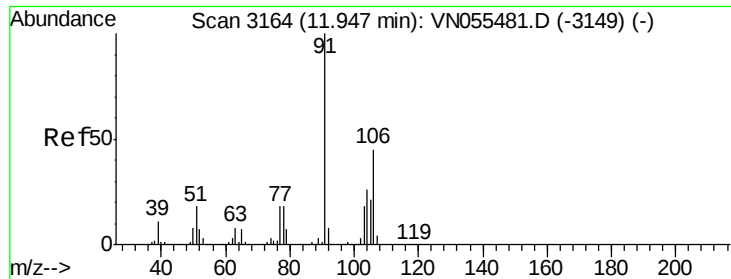
91 205.5 169.2 253.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





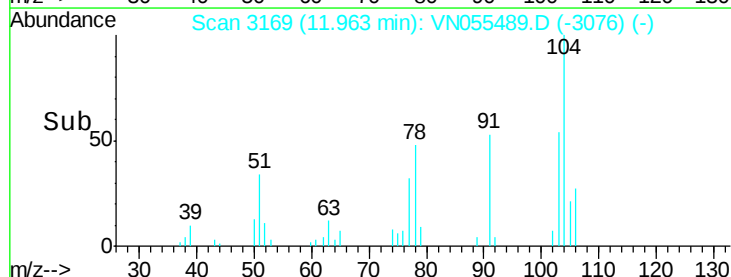
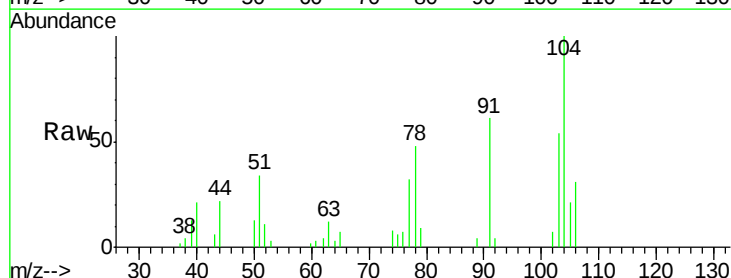
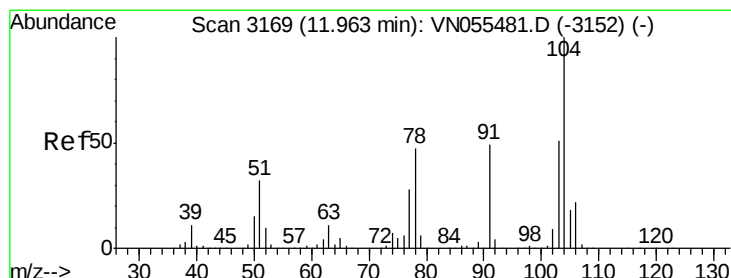
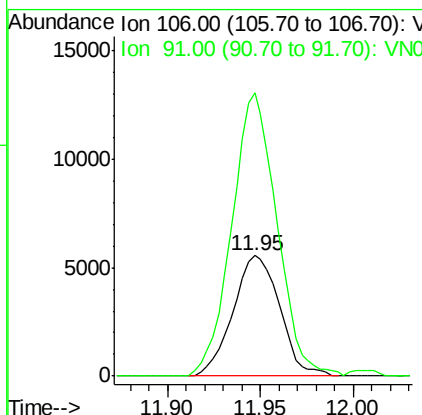
#69
o-Xylene
Concen: 0.704 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tot Ion: 106 Resp: 9739
Ion Ratio Lower Upper
106 100
91 226.0 111.3 333.8

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

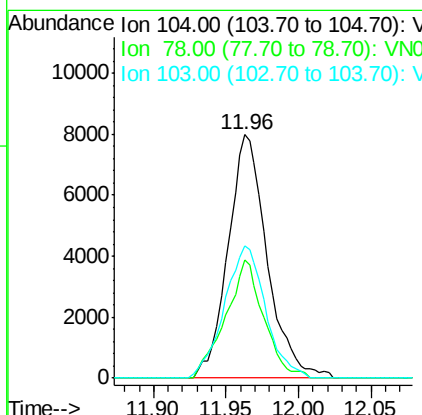
Manual Integrations
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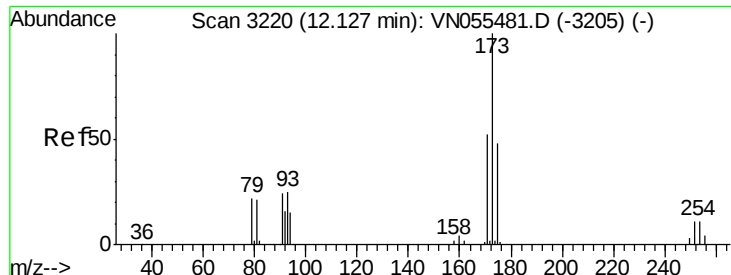
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#70
Styrene
Concen: 0.672 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion: 104 Resp: 14913
Ion Ratio Lower Upper
104 100
78 47.5 41.6 62.4
103 57.0 44.4 66.6





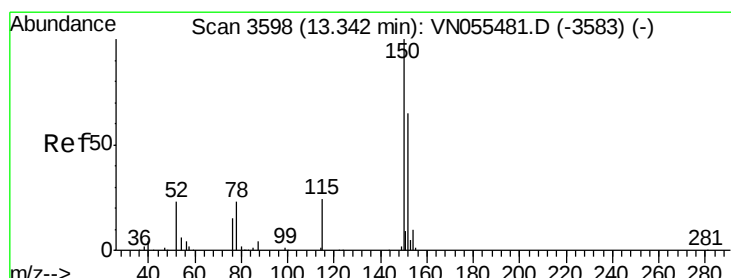
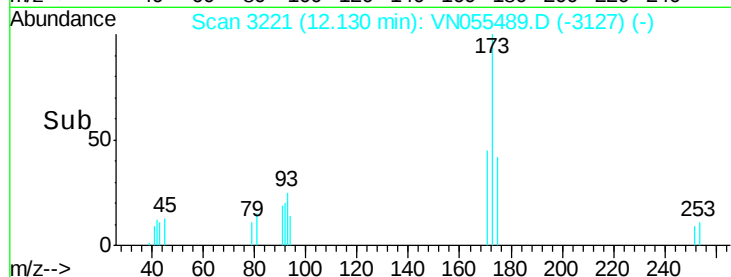
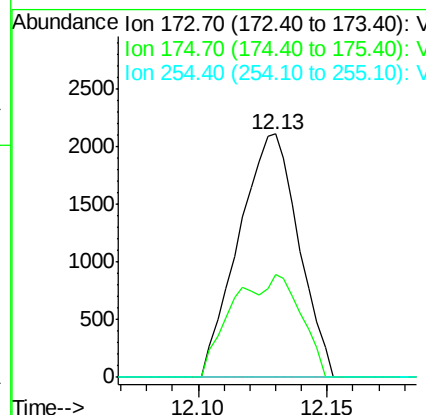
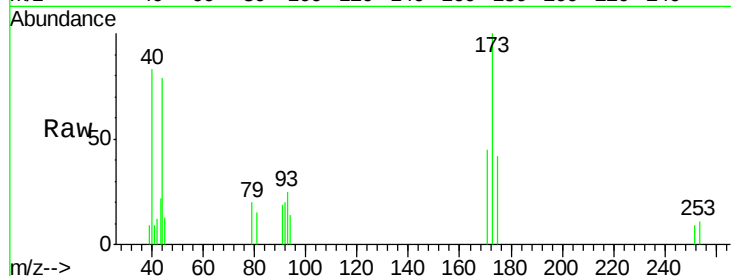
#71
Bromoform
Concen: 0.704 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

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

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.1	72.4
254	0.0	0.1	0.1#

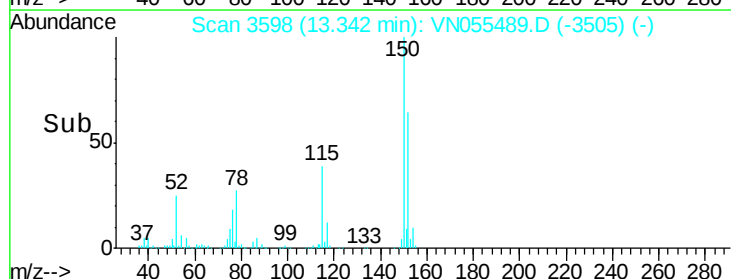
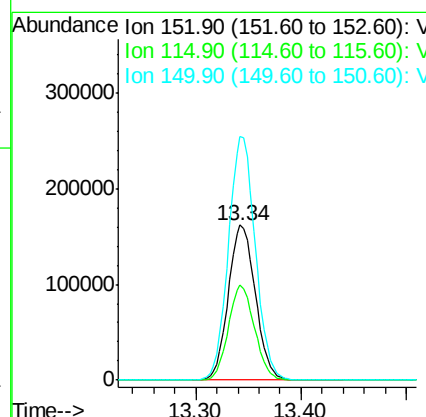
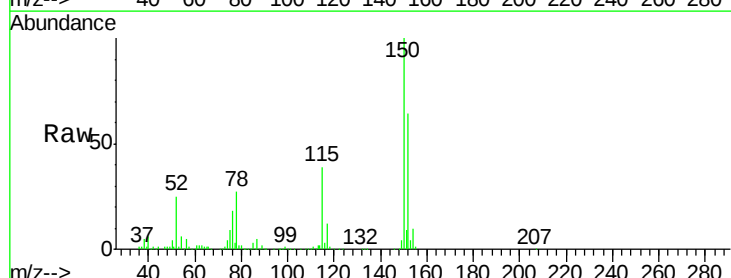
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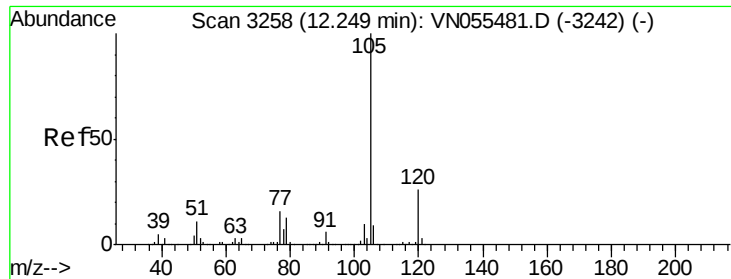
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	30.1	90.5
150	156.1	0.0	355.0





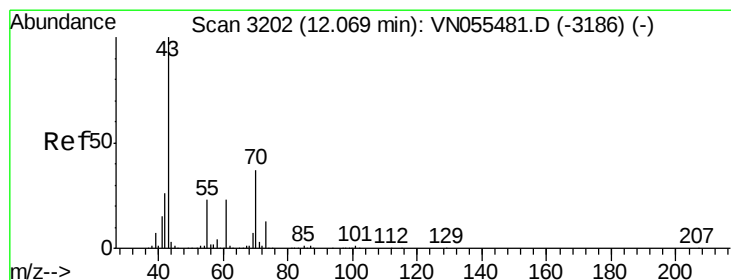
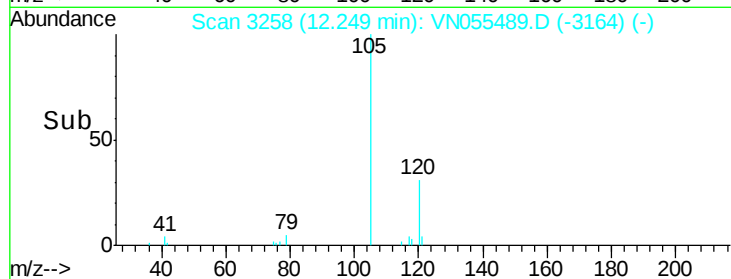
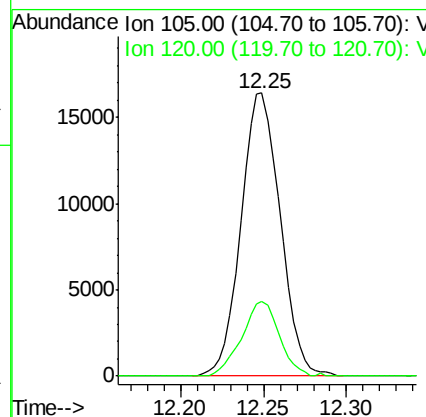
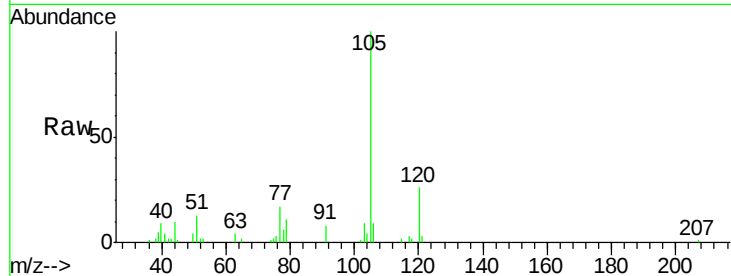
#73
Isopropylbenzene
Concen: 0.963 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

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

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.1	13.0	39.0

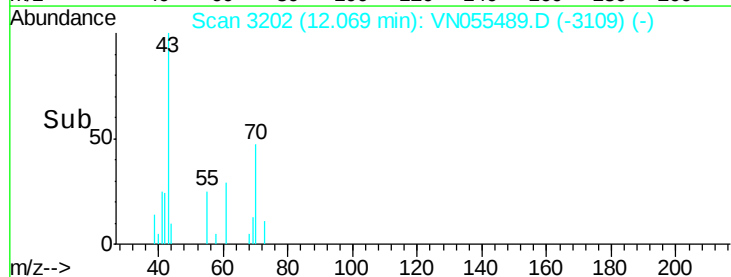
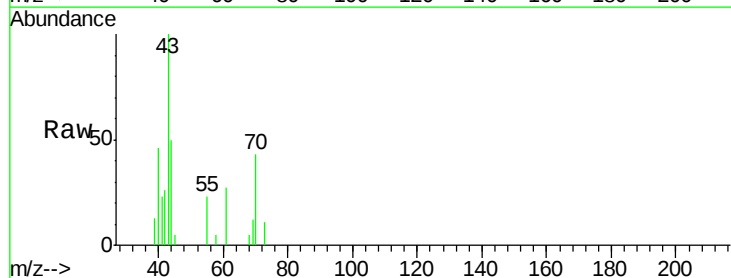
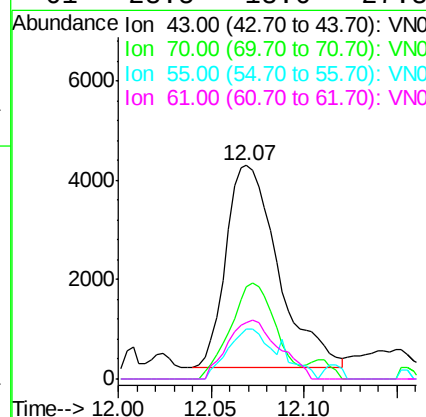
Manual Integrations
APPROVED

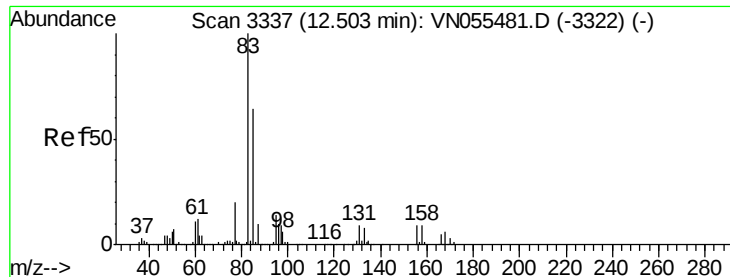
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#74
N-ethyl acetate
Concen: 0.730 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.9	30.7	46.1
55	24.5	19.3	28.9
61	28.5	18.6	27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 1.037 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

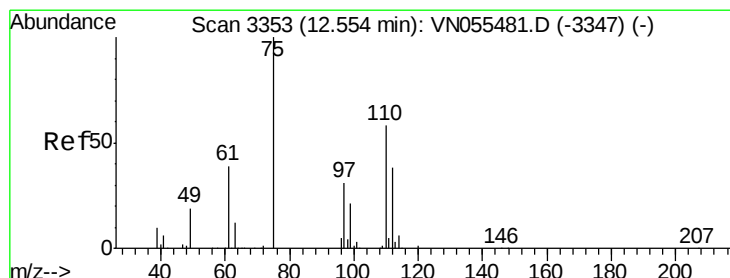
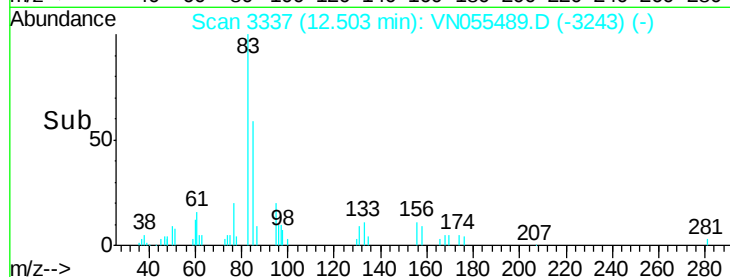
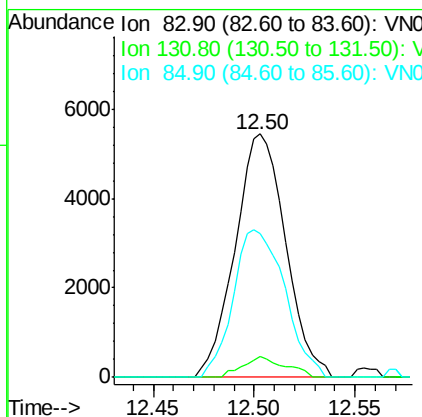
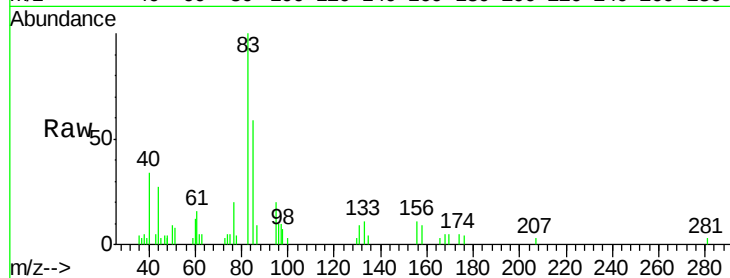
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	83	Resp:	9527
Ion Ratio	Lower	Upper	
83	100		
131	7.3	4.5	13.5
85	61.9	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 1.253 ug/l m

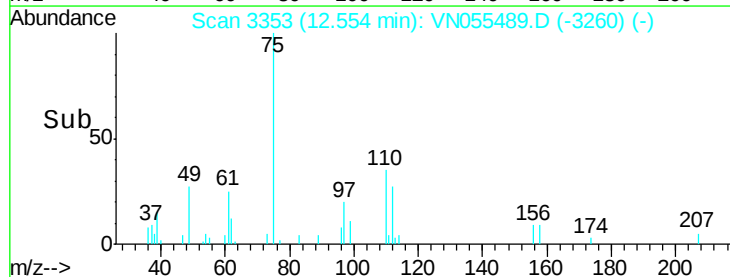
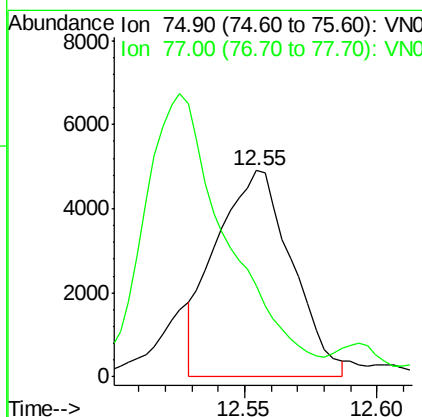
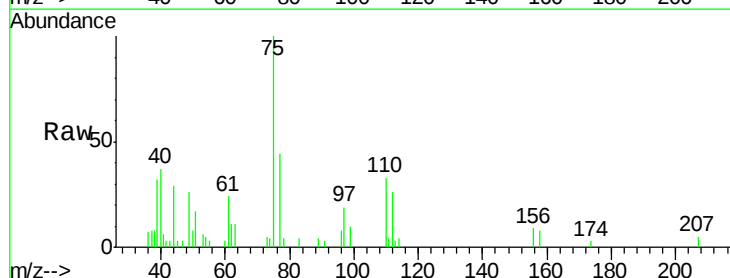
RT: 12.55 min Scan# 3353

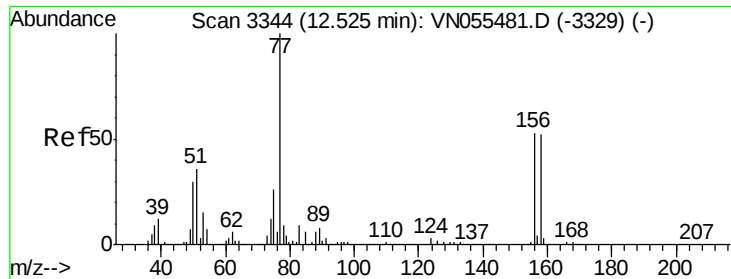
Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Tgt Ion:	75	Resp:	9771
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 1.070 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

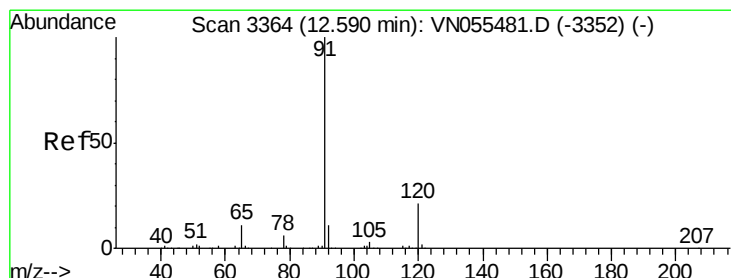
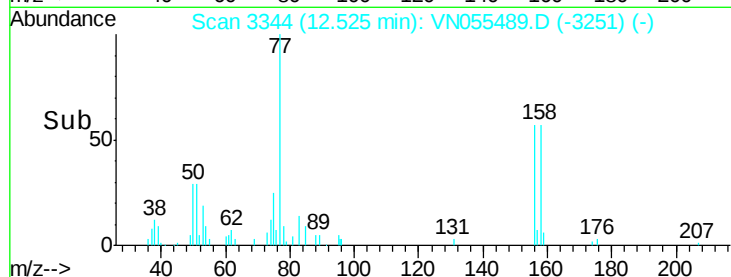
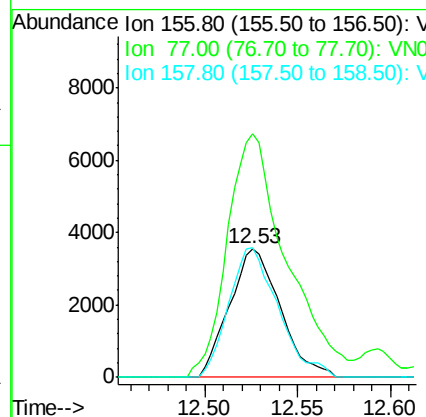
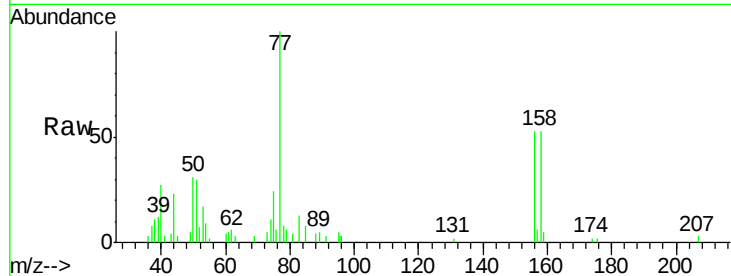
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
156	100		
77	222.0	115.4	346.2
158	98.5	48.7	146.1

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#78

n-propylbenzene

Concen: 0.888 ug/l

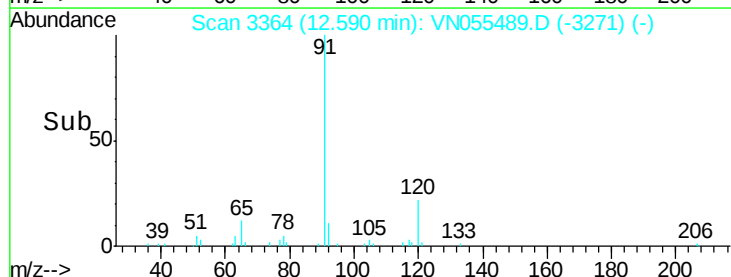
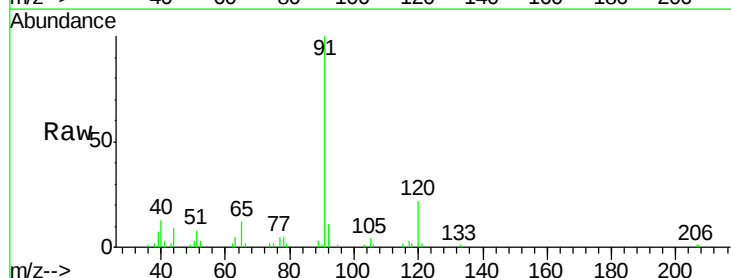
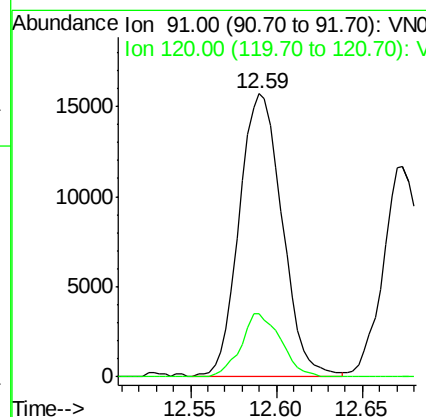
RT: 12.59 min Scan# 3364

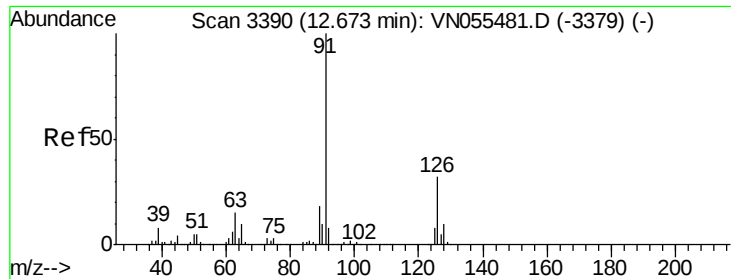
Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.5	10.8	32.3





#79

2-Chlorotoluene

Concen: 1.006 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 91 Resp: 19270

Ion Ratio Lower Upper

91 100

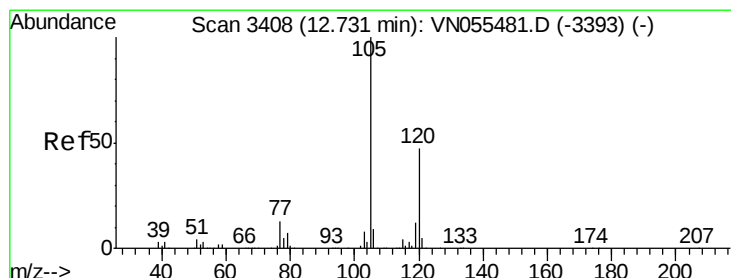
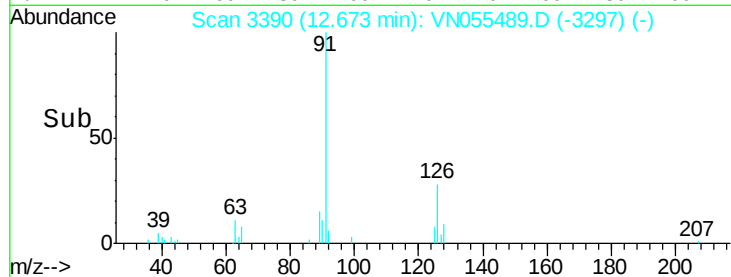
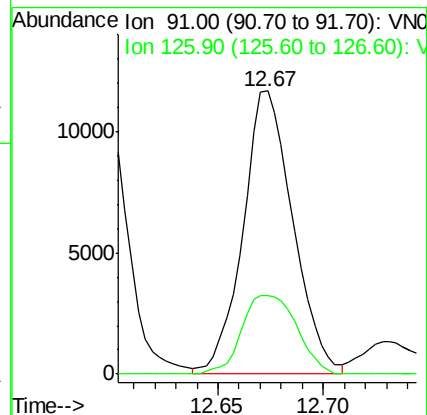
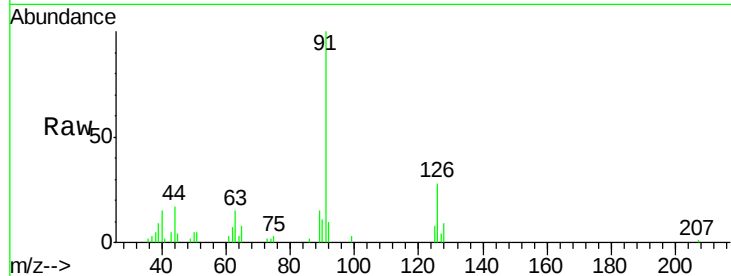
126 30.7 16.0 47.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 0.919 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055489.D

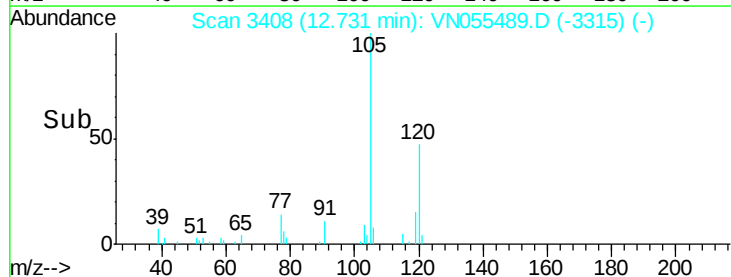
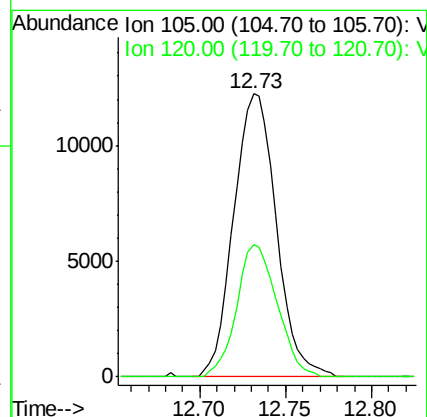
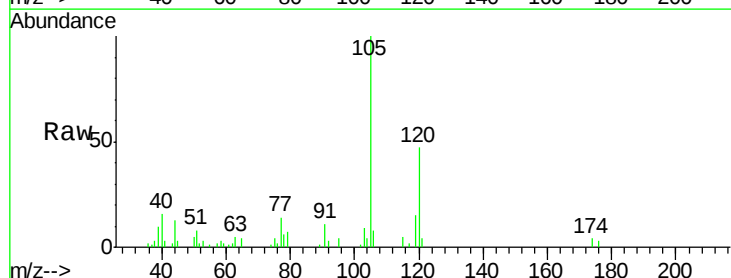
Acq: 9 May 2019 11:53

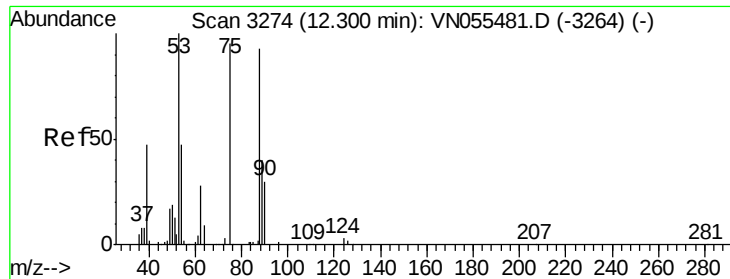
Tgt Ion: 105 Resp: 21056

Ion Ratio Lower Upper

105 100

120 44.4 23.4 70.0





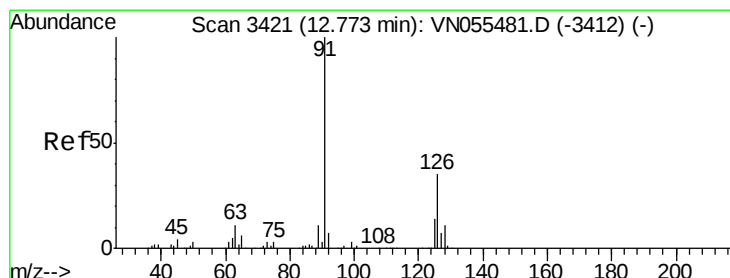
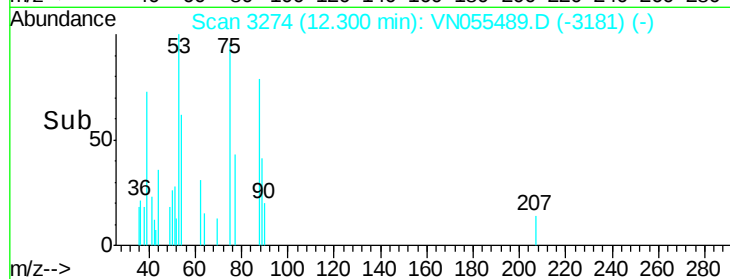
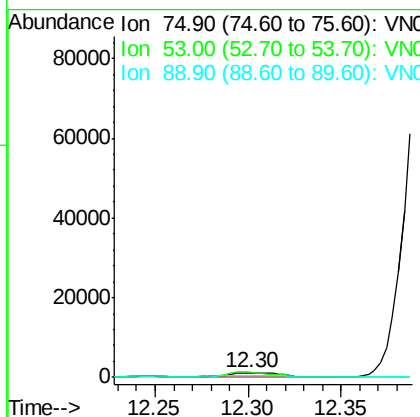
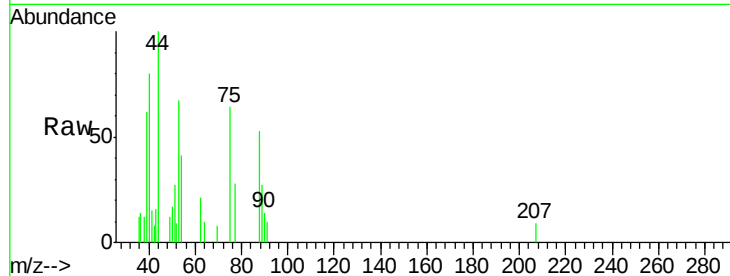
#81
trans-1,4-Dichloro-2-butene
Concen: 1.172 ug/l m
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

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

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	86.5	129.7#
89	0.0	35.7	53.5#

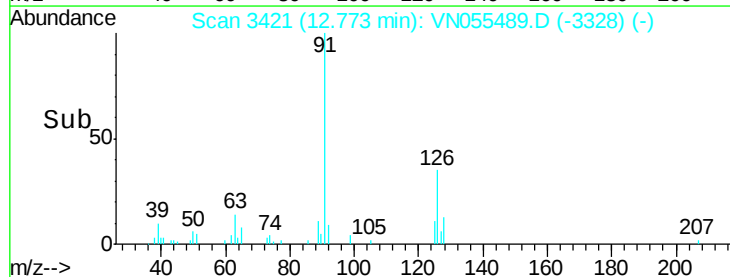
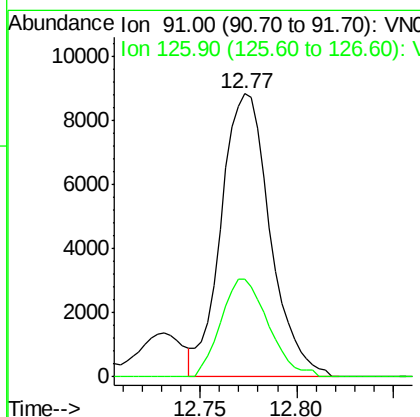
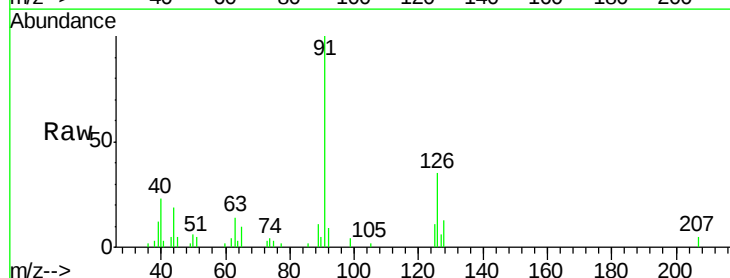
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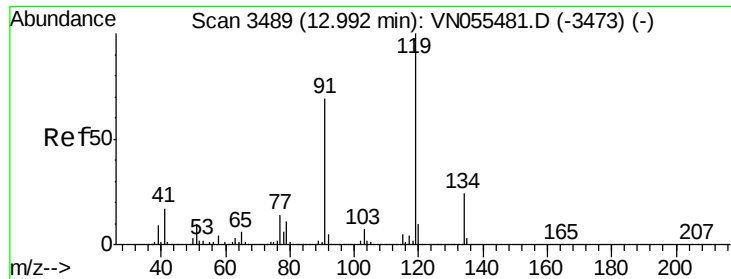
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#82
4-Chlorotoluene
Concen: 0.860 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	15.7	47.0





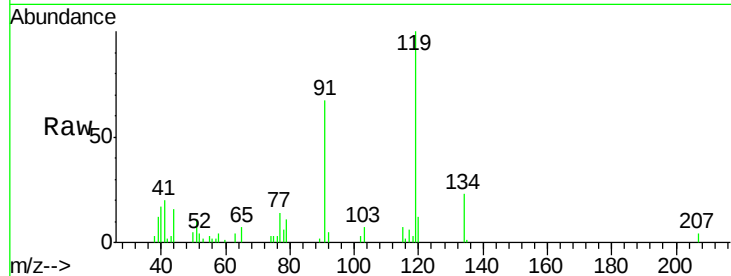
#83
 tert-Butylbenzene
 Concen: 0.918 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

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

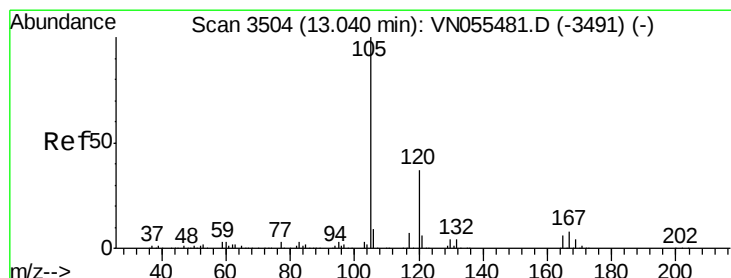
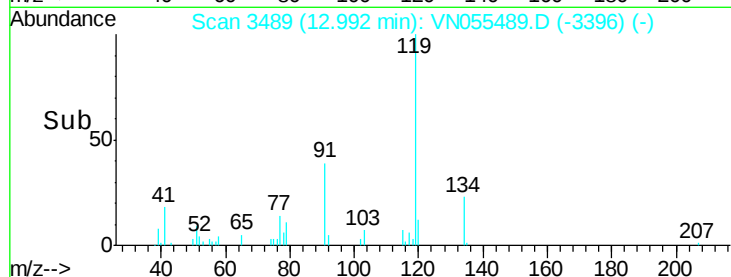
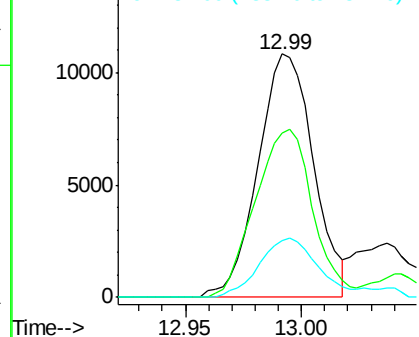
Tot Ion	Ratio	Resp	Lower	Upper
119	100	18027		
91	71.6		33.8	101.3
134	25.7		12.5	37.5

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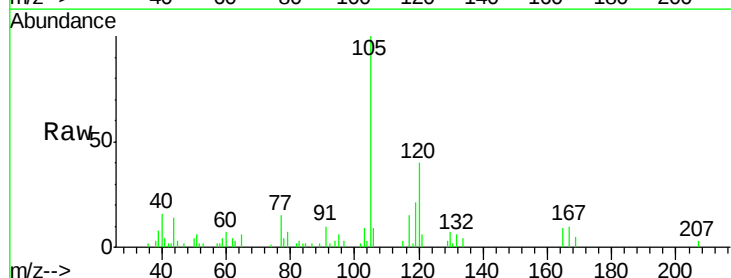


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

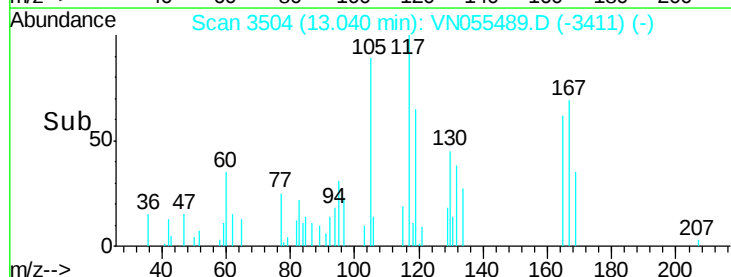
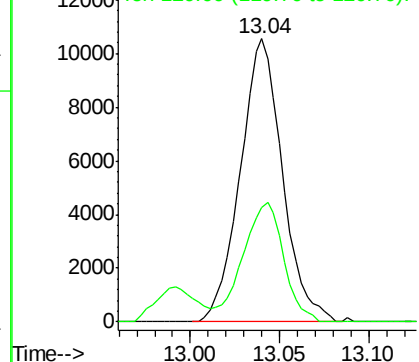


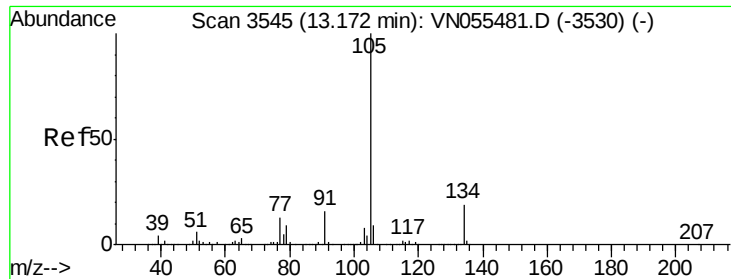
#84
 1,2,4-Trimethylbenzene
 Concen: 0.826 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	17360		
120	40.9		22.1	66.5



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





#85

sec-Butylbenzene

Concen: 0.873 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:105 Resp: 22779

Ion Ratio Lower Upper

105 100

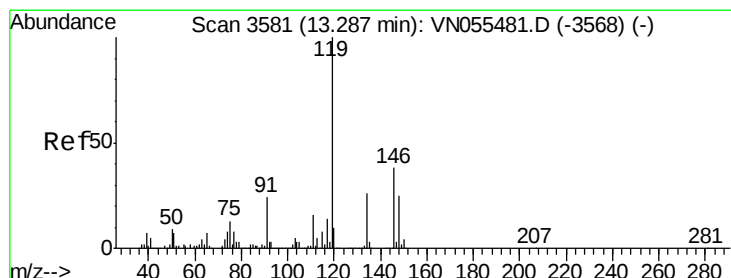
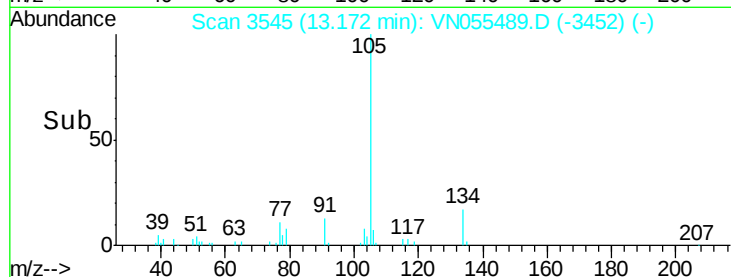
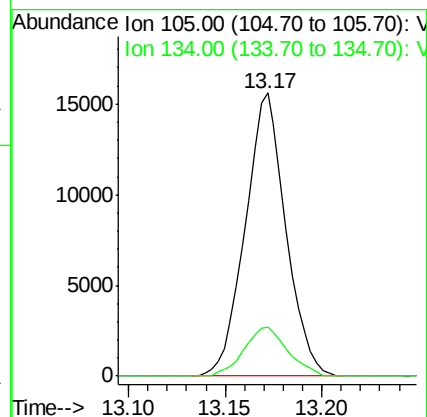
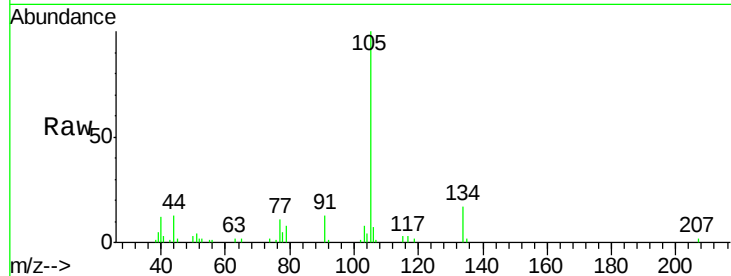
134 18.7 9.3 28.0

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#86

p-Isopropyltoluene

Concen: 0.778 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

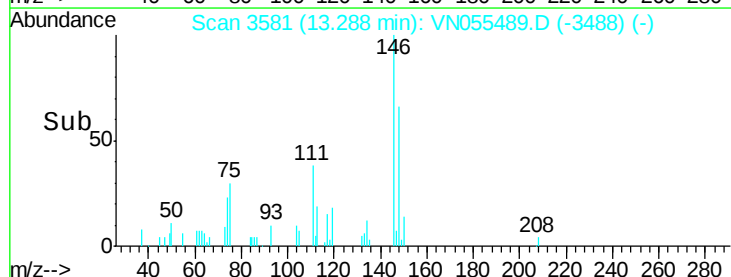
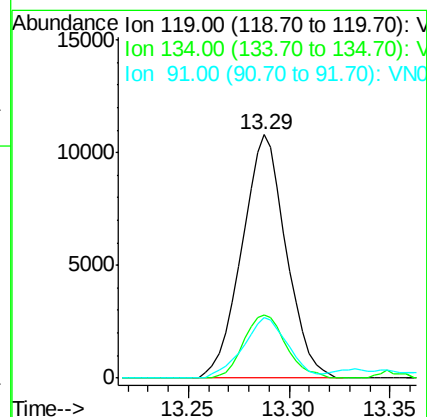
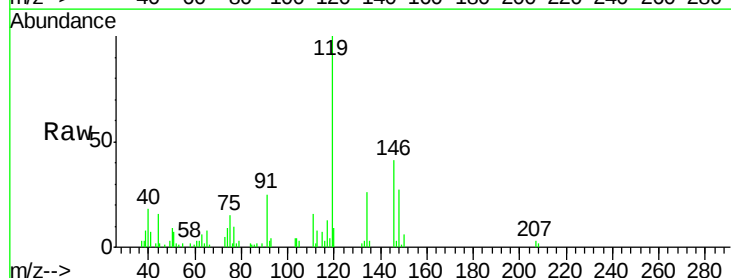
Tgt Ion:119 Resp: 16518

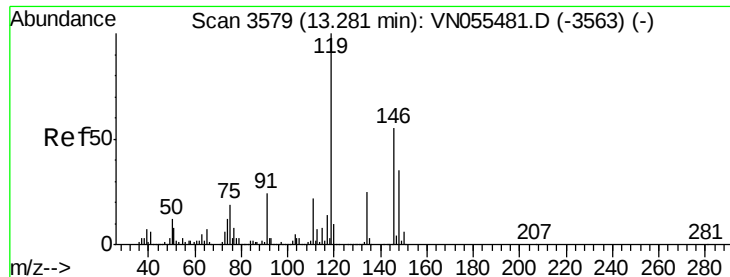
Ion Ratio Lower Upper

119 100

134 25.1 12.8 38.4

91 25.3 12.0 36.0





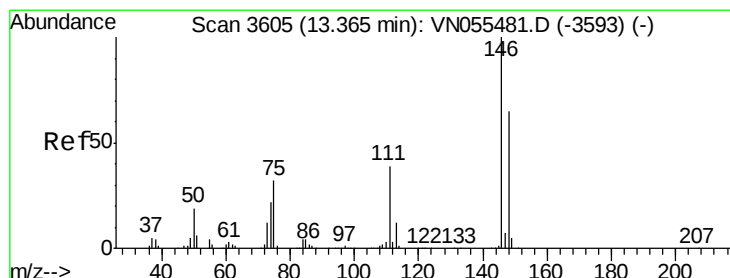
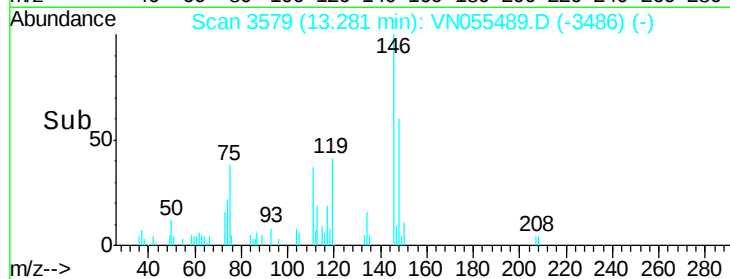
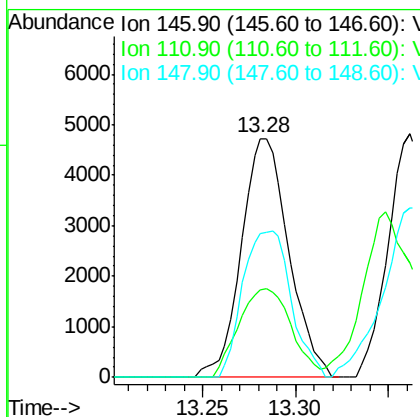
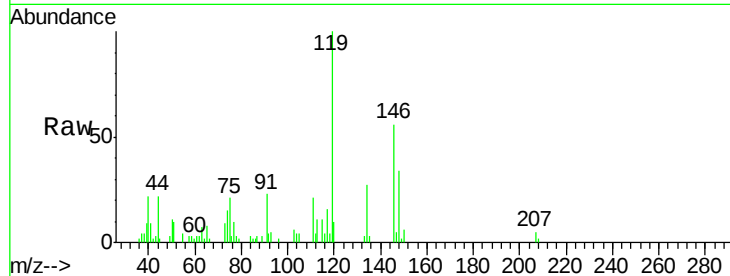
#87
 1,3-Dichlorobenzene
 Concen: 0.858 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.4	61.3
148	62.3	32.1	96.5

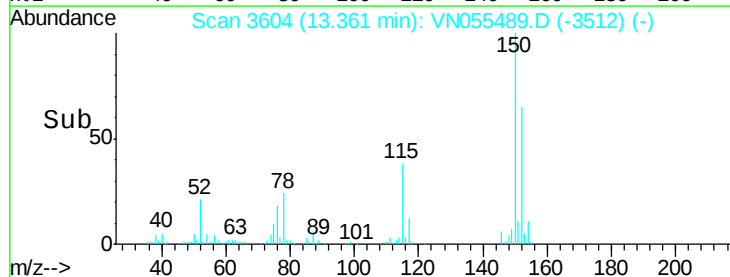
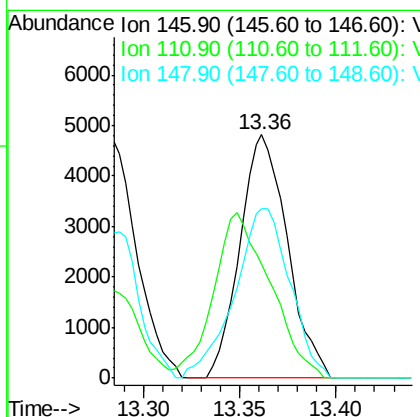
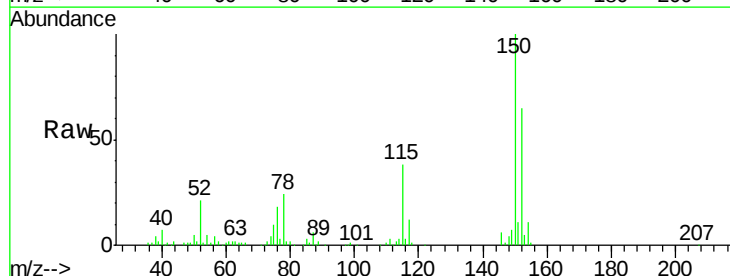
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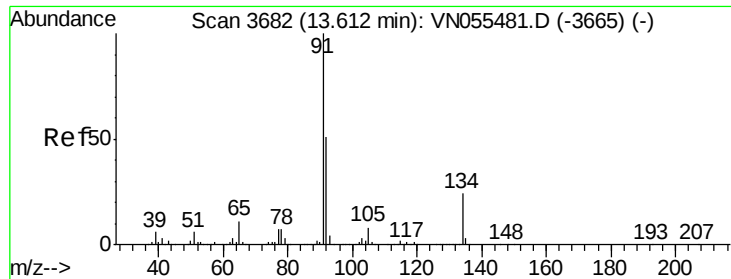
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#88
 1,4-Dichlorobenzene
 Concen: 0.856 ug/l m
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	19.6	58.8
148	63.3	32.5	97.4





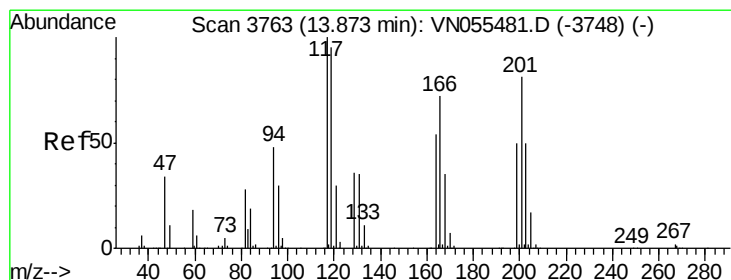
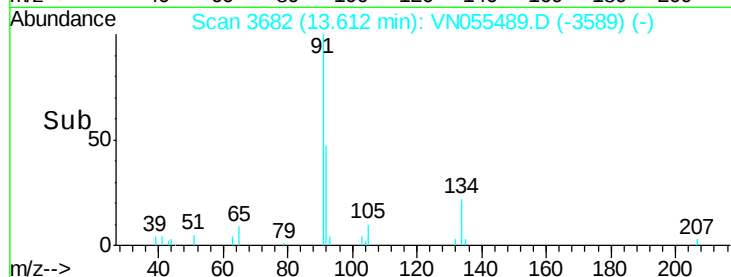
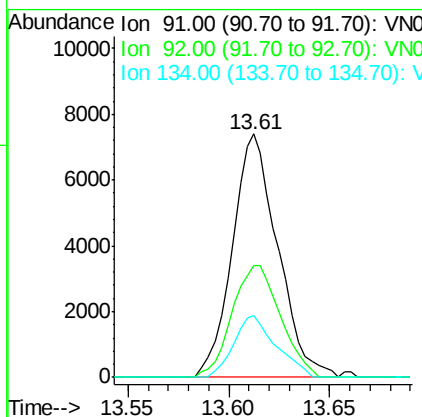
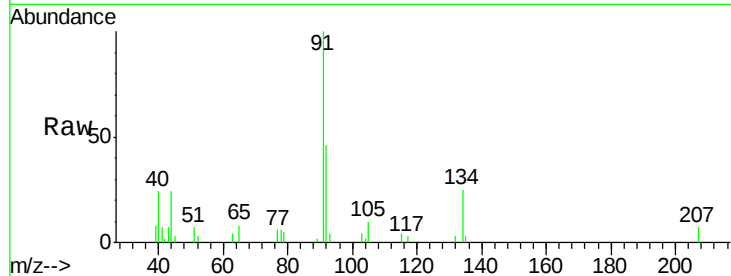
#89
n-Butylbenzene
Concen: 0.707 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.8	25.9	77.7
134	23.5	11.8	35.4

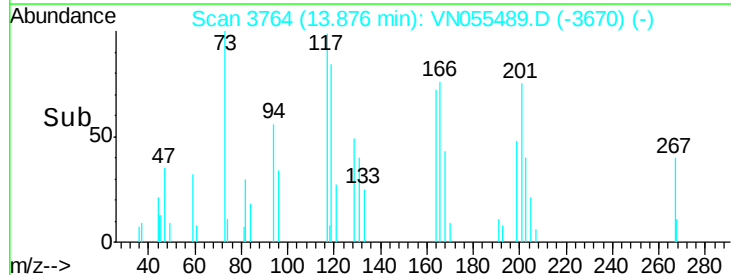
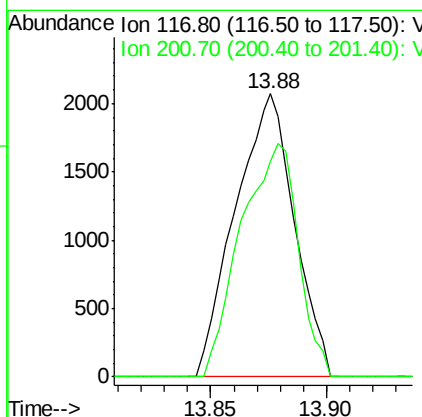
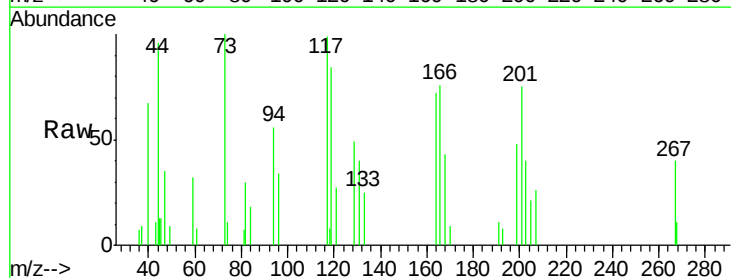
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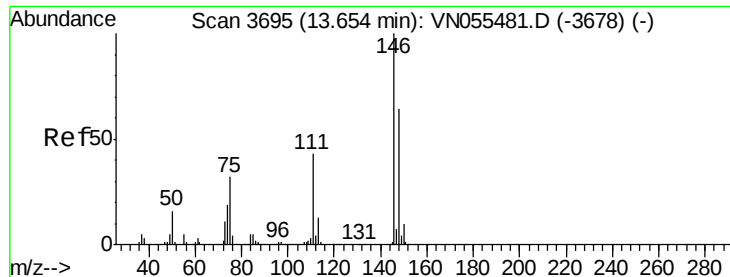
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#90
Hexachloroethane
Concen: 1.057 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.7	40.1	120.2





#91

1,2-Dichlorobenzene

Concen: 0.801 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

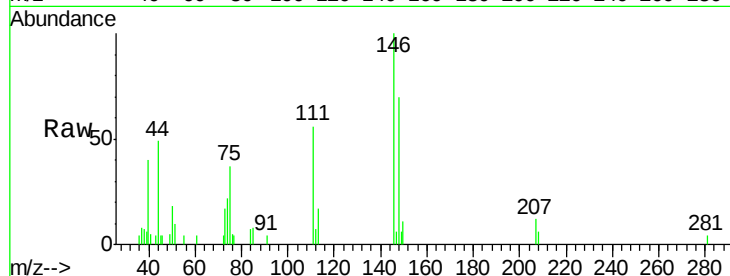
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

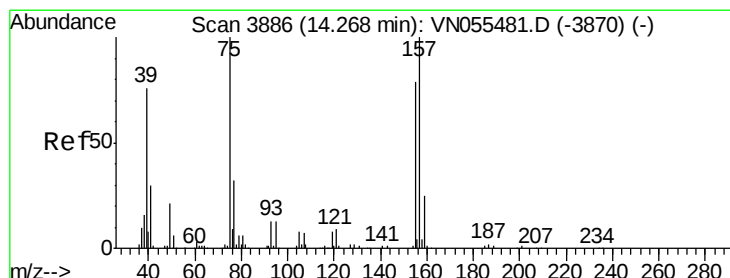
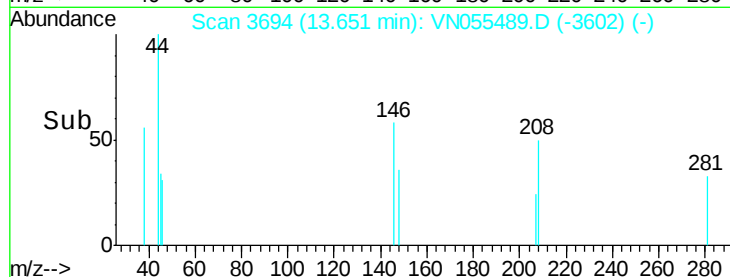
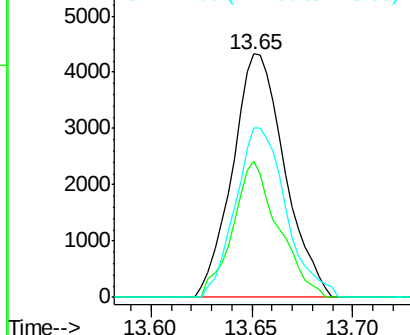
Tot Ion:	146	Resp:	7812
Ion Ratio	Lower	Upper	
146	100		
111	48.6	21.3	63.7
148	67.6	31.9	95.9

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.925 ug/l

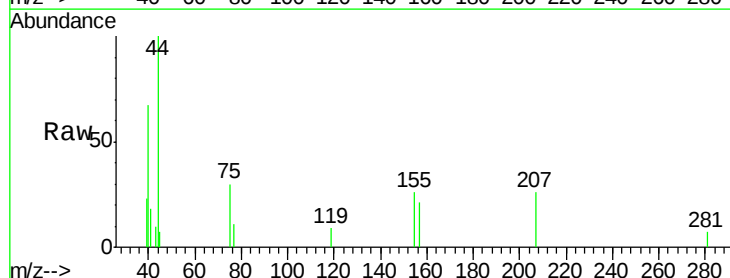
RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

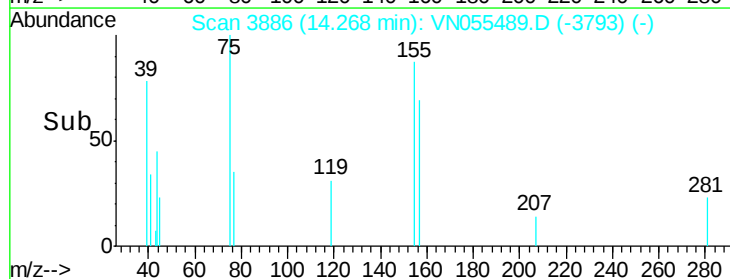
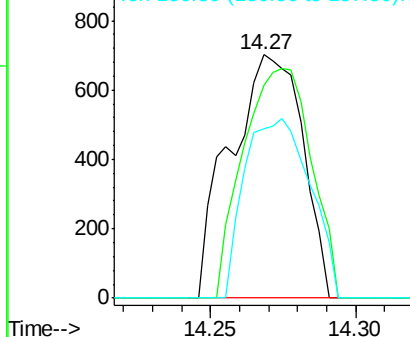
Lab File: VN055489.D

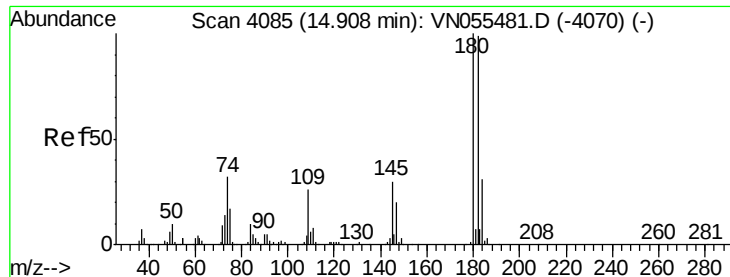
Acq: 9 May 2019 11:53

Tgt Ion:	75	Resp:	1218
Ion Ratio	Lower	Upper	
75	100		
155	88.5	39.3	117.8
157	66.7	50.6	151.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





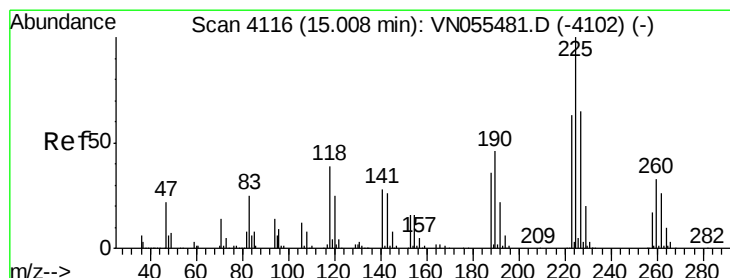
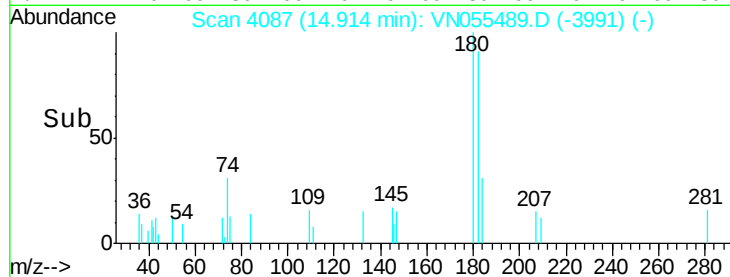
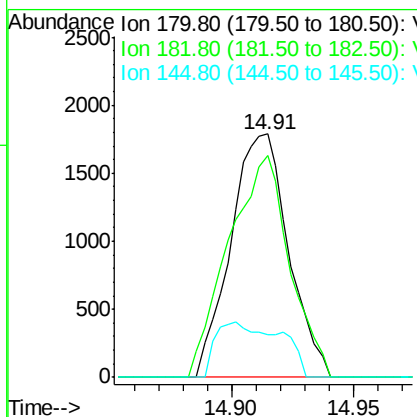
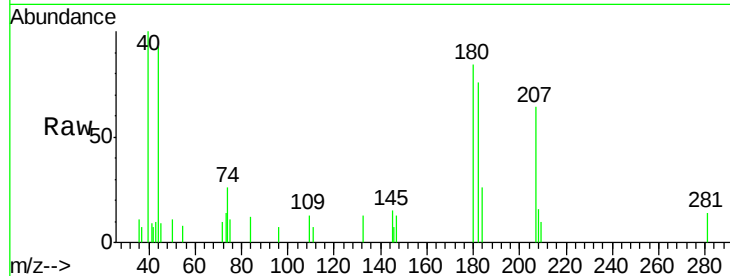
#93
 1,2,4-Trichlorobenzene
 Concen: 0.880 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.7	146.1
145	25.6	15.3	45.9

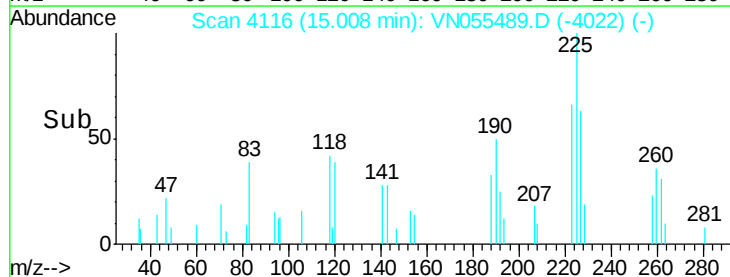
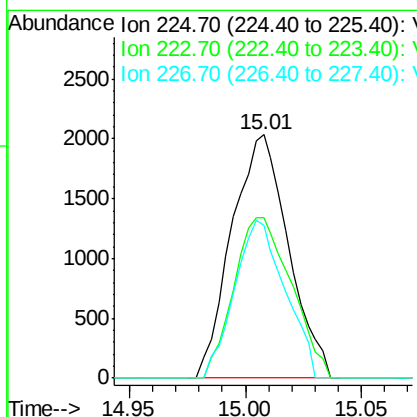
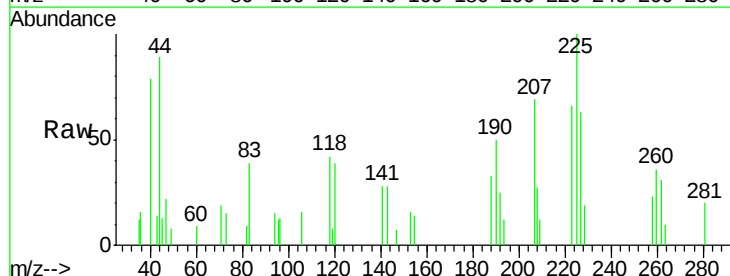
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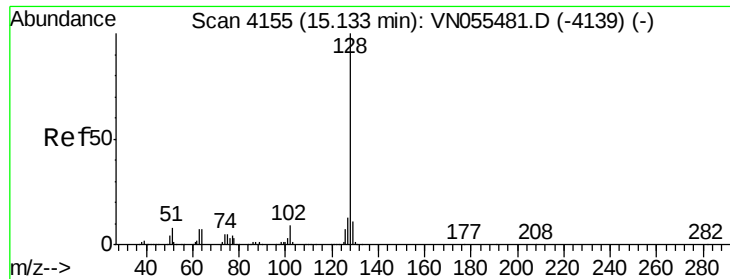
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#94
 Hexachlorobutadiene
 Concen: 0.984 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.7	31.4	94.3
227	57.7	32.0	96.0





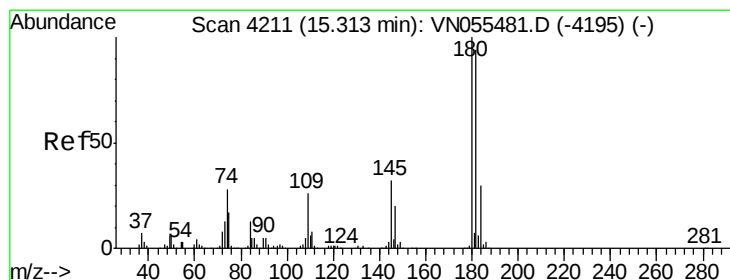
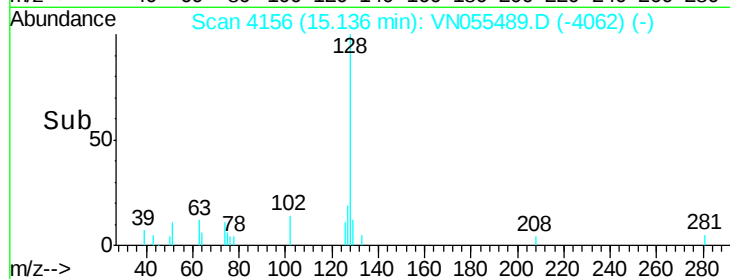
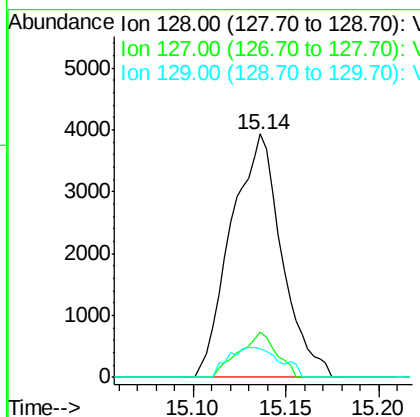
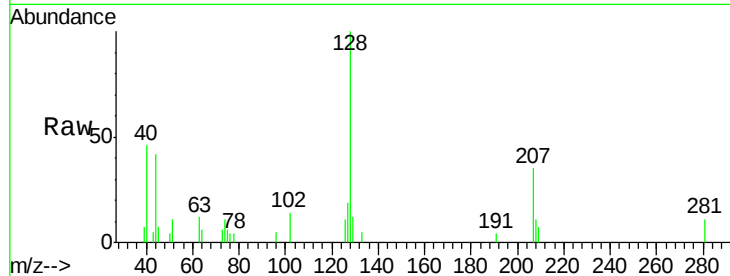
#95
Naphthalene
Concen: 0.758 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.0	15.0
129	12.4	8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 0.752 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.0	47.1	141.3
145	29.7	15.8	47.4

