

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056930.D
 Acq On : 25 Jul 2019 19:41
 Operator : JC/SP
 Sample : K3591-07 0.75PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/26/2019 3:37:35 PM

Quant Time: Jul 26 05:27:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 05:13:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	420849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	652946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	541269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152869	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	250743	57.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.16%	
35) Dibromofluoromethane	7.58	113	222144	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
50) Toluene-d8	10.08	98	824219	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
62) 4-Bromofluorobenzene	12.39	95	216611	41.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	2716	0.599	ug/l	97
3) Chloromethane	2.05	50	4754	0.876	ug/l	97
4) Vinyl Chloride	2.17	62	3951	0.774	ug/l	92
5) Bromomethane	2.55	94	4645	1.504	ug/l	99
6) Chloroethane	2.69	64	2451	0.865	ug/l	92
7) Trichlorofluoromethane	3.00	101	5412	0.813	ug/l	91
8) Diethyl Ether	3.39	74	2085	0.836	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	3560	0.870	ug/l	96
10) Methyl Iodide	3.93	142	4008	0.667	ug/l #	82
11) Tert butyl alcohol	4.74	59	7788	12.397	ug/l #	74
12) 1,1-Dichloroethene	3.71	96	3284	0.832	ug/l	83
13) Acrolein	3.60	56	1461	4.150	ug/l #	48
14) Allyl chloride	4.30	41	5033	0.785	ug/l #	89
15) Acrylonitrile	4.98	53	7322m	4.050	ug/l	
16) Acetone	3.81	43	6515	4.381	ug/l #	85
17) Carbon Disulfide	4.03	76	9011	0.847	ug/l	96
18) Methyl Acetate	4.31	43	5416	1.040	ug/l #	72
19) Methyl tert-butyl Ether	5.03	73	10053	0.866	ug/l #	88
20) Methylene Chloride	4.53	84	4536	0.963	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	3517m	0.832	ug/l	
22) Diisopropyl ether	5.93	45	10528	0.807	ug/l #	76
23) Vinyl Acetate	5.88	43	33453	3.721	ug/l	98
24) 1,1-Dichloroethane	5.83	63	6722	0.877	ug/l #	83
25) 2-Butanone	6.82	43	8437	3.686	ug/l	94
26) 2,2-Dichloropropane	6.81	77	4263	0.758	ug/l #	64
27) cis-1,2-Dichloroethene	6.81	96	3603	0.747	ug/l	73
28) Bromochloromethane	7.18	49	3358	0.949	ug/l #	90
29) Tetrahydrofuran	7.21	42	5923	3.949	ug/l #	67
30) Chloroform	7.36	83	7460	0.945	ug/l	100
31) Cyclohexane	7.64	56	11645	1.561	ug/l #	30
32) 1,1,1-Trichloroethane	7.55	97	5126	0.811	ug/l #	49
36) 1,1-Dichloropropene	7.78	75	5210	0.873	ug/l #	89
37) Ethyl Acetate	6.92	43	4122	0.852	ug/l #	85
38) Carbon Tetrachloride	7.76	117	4690	0.826	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 05:13:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	5365	0.737	ug/l #	81
40) Benzene	8.03	78	14490	0.778	ug/l #	88
41) Methacrylonitrile	7.16	41	1368	0.643	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	5137	0.893	ug/l	92
43) Isopropyl Acetate	8.15	43	5718	0.718	ug/l #	82
44) Trichloroethene	8.82	130	4200	0.827	ug/l	94
45) 1,2-Dichloropropane	9.11	63	4049	0.809	ug/l	97
46) Dibromomethane	9.20	93	2357	0.782	ug/l	97
47) Bromodichloromethane	9.39	83	4573	0.776	ug/l	97
48) Methyl methacrylate	9.19	41	3005	0.787	ug/l	90
49) 1,4-Dioxane	9.19	88	1064	13.301	ug/l #	89
51) 4-Methyl-2-Pentanone	9.98	43	18593	3.929	ug/l	94
52) Toluene	10.15	92	9701	0.869	ug/l	86
53) t-1,3-Dichloropropene	10.37	75	4134	0.696	ug/l #	87
54) cis-1,3-Dichloropropene	9.83	75	4473	0.640	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	3202	0.716	ug/l	91
56) Ethyl methacrylate	10.42	69	4283	0.712	ug/l	93
57) 1,3-Dichloropropane	10.70	76	6054	0.827	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.69	63	7248	3.057	ug/l	97
59) 2-Hexanone	10.74	43	11378	3.507	ug/l	98
60) Dibromochloromethane	10.90	129	3069	0.675	ug/l	99
61) 1,2-Dibromoethane	11.00	107	3448	0.776	ug/l	91
64) Tetrachloroethene	10.63	164	4338	0.877	ug/l	92
65) Chlorobenzene	11.43	112	9371	0.827	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.50	131	3301	0.784	ug/l #	63
67) Ethyl Benzene	11.51	91	15376	0.789	ug/l	96
68) m/p-Xylenes	11.61	106	10802	1.486	ug/l	99
69) o-Xylene	11.94	106	5388	0.757	ug/l	99
70) Styrene	11.96	104	7227	0.641	ug/l	98
71) Bromoform	12.12	173	2047	0.700	ug/l #	82
73) Isopropylbenzene	12.24	105	13786	0.991	ug/l	96
74) N-amyl acetate	12.07	43	3949	0.967	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	4066	1.014	ug/l	91
76) 1,2,3-Trichloropropane	12.55	75	4132m	1.350	ug/l	
77) Bromobenzene	12.52	156	3561	1.002	ug/l	94
78) n-propylbenzene	12.58	91	13606	0.926	ug/l	98
79) 2-Chlorotoluene	12.67	91	8539	0.933	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	10226	0.890	ug/l	88
81) trans-1,4-Dichloro-2-buten	12.29	75	747m	0.770	ug/l	
82) 4-Chlorotoluene	12.77	91	7368	0.877	ug/l	95
83) tert-Butylbenzene	12.99	119	10943	1.081	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	9674	0.889	ug/l	97
85) sec-Butylbenzene	13.17	105	11972	0.935	ug/l	97
86) p-Isopropyltoluene	13.28	119	9716	0.859	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	4562	0.858	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	4631m	0.909	ug/l	
89) n-Butylbenzene	13.61	91	6876	0.787	ug/l	95
90) Hexachloroethane	13.87	117	1477	0.738	ug/l	82
91) 1,2-Dichlorobenzene	13.65	146	4589	0.852	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.26	75	512	0.936	ug/l #	54

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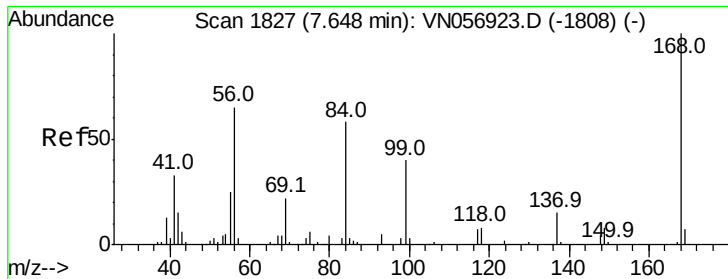
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	1452	0.652	ug/l	91
94) Hexachlorobutadiene	15.00	225	2144	0.986	ug/l	97
95) Naphthalene	15.12	128	4208	0.748	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.30	180	1983	0.820	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:168 Resp: 420849

Ion Ratio Lower Upper

168 100

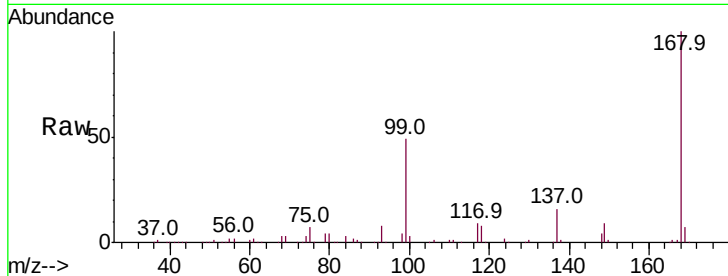
99 49.0 38.6 58.0

Manual Integrations

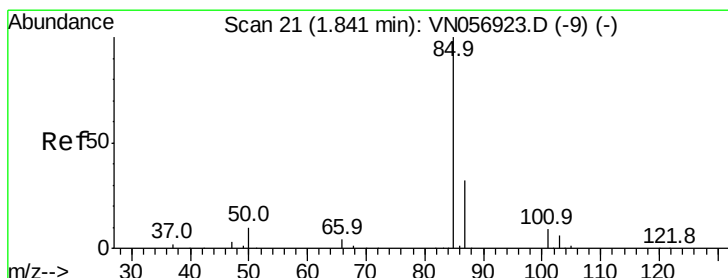
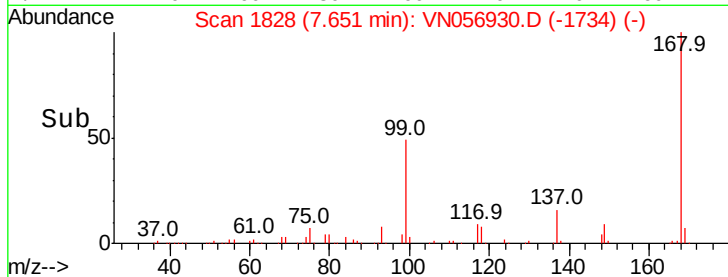
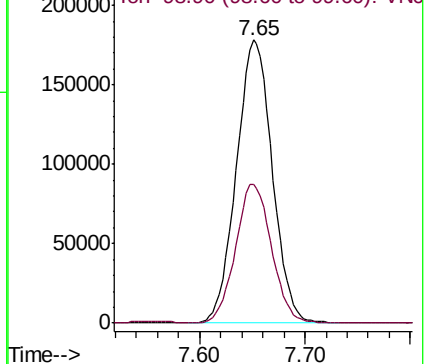
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Abundance Ion 167.90 (167.60 to 168.60): VN056930.D (-1734) (-)



#2

Dichlorodifluoromethane

Concen: 0.599 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN056930.D

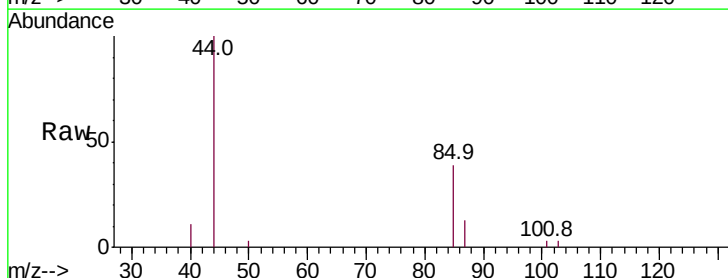
Acq: 25 Jul 2019 19:41

Tgt Ion: 85 Resp: 2716

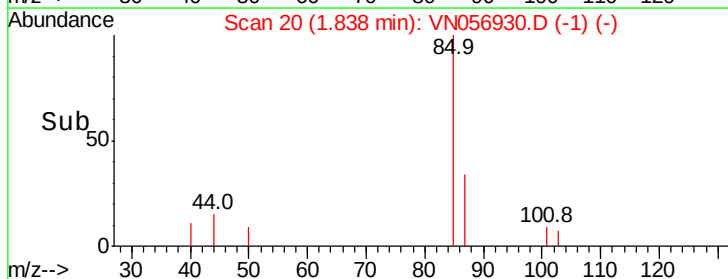
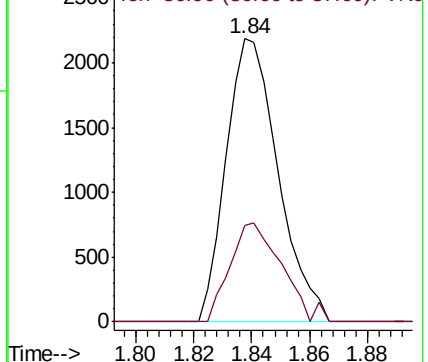
Ion Ratio Lower Upper

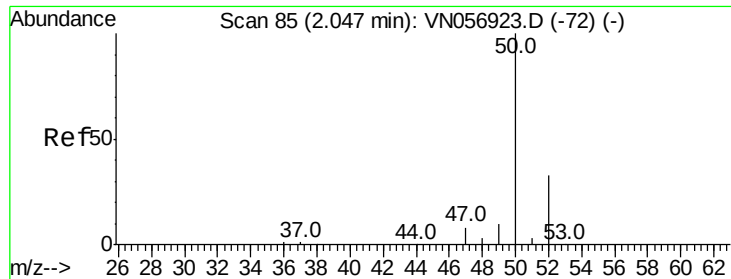
85 100

87 33.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN056930.D (-1) (-)





#3

Chloromethane

Concen: 0.876 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 50 Resp: 4754

Ion Ratio Lower Upper

50 100

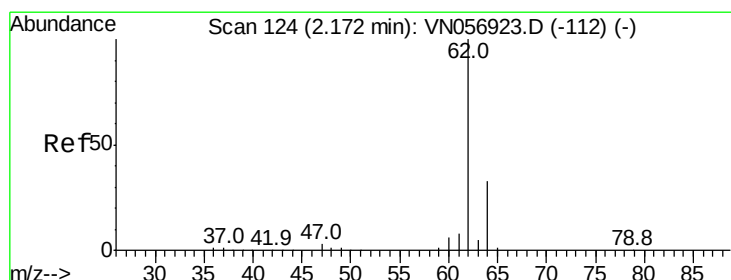
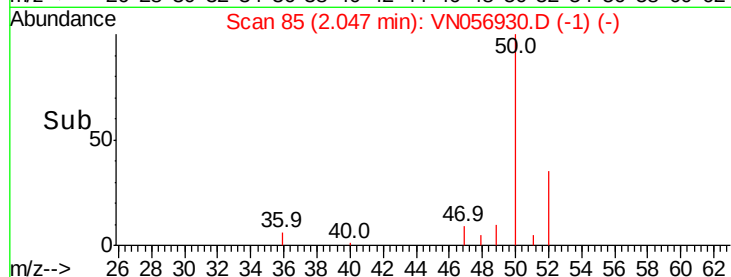
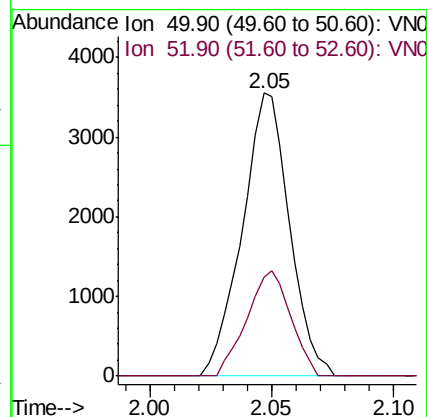
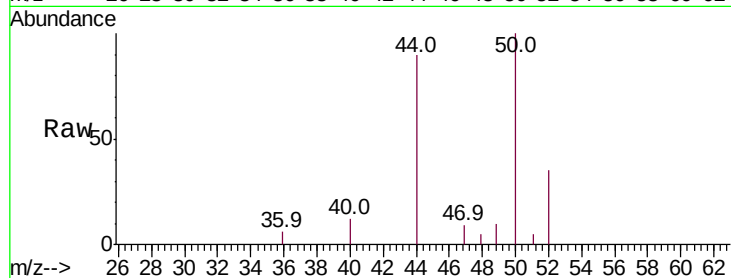
52 35.1 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.774 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN056930.D

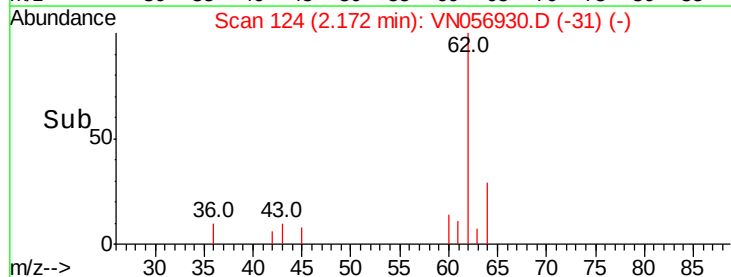
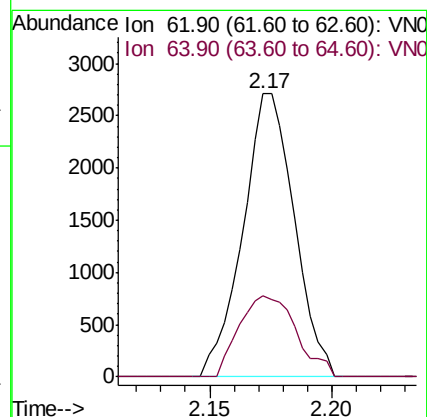
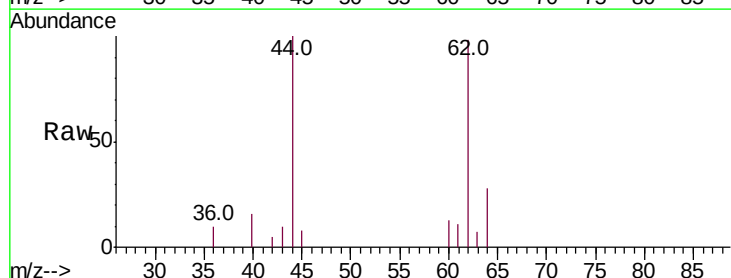
Acq: 25 Jul 2019 19:41

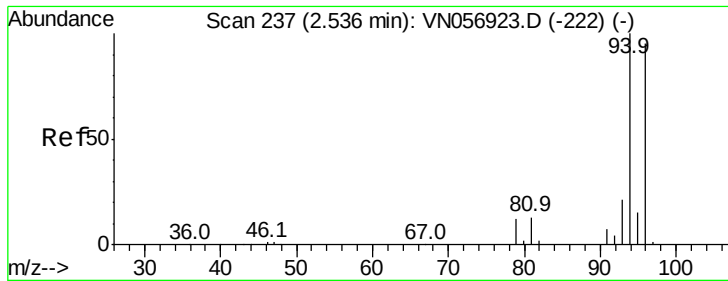
Tgt Ion: 62 Resp: 3951

Ion Ratio Lower Upper

62 100

64 28.5 26.4 39.6





#5

Bromomethane

Concen: 1.504 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 94 Resp: 4645

Ion Ratio Lower Upper

94 100

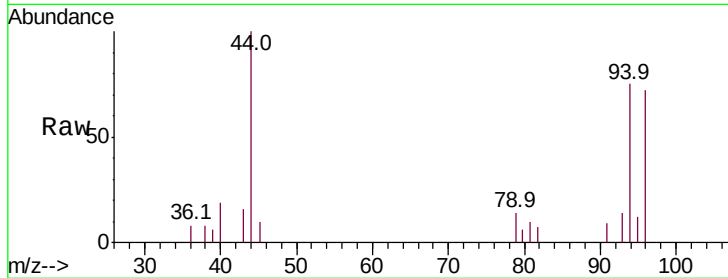
96 95.6 75.7 113.5

Manual Integrations

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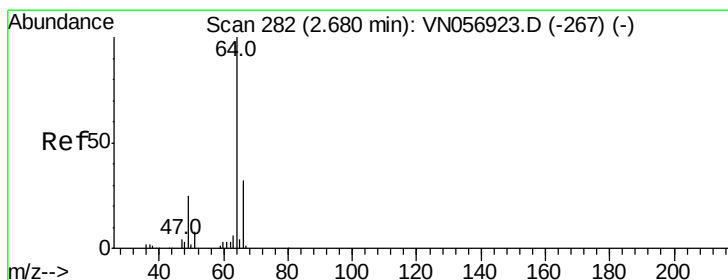
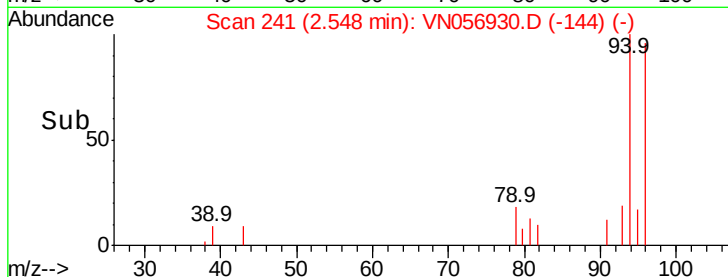
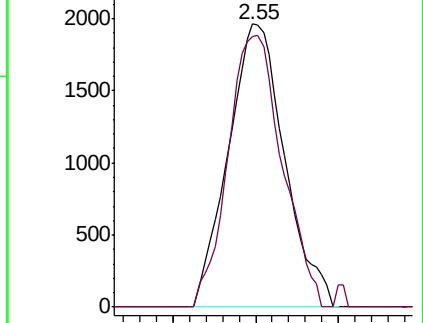
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.865 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN056930.D

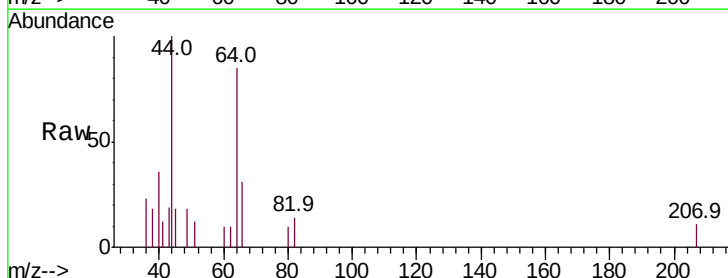
Acq: 25 Jul 2019 19:41

Tgt Ion: 64 Resp: 2451

Ion Ratio Lower Upper

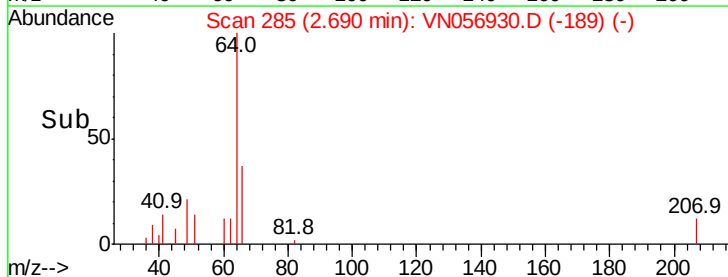
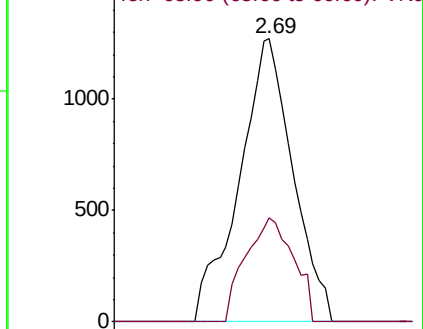
64 100

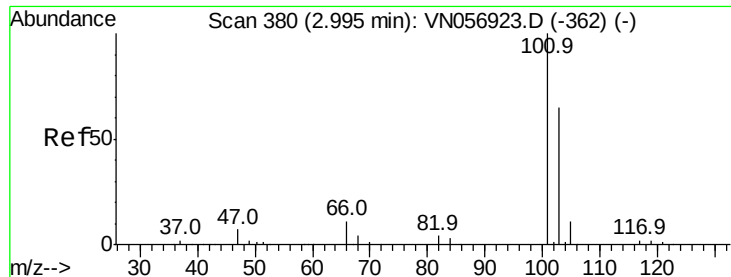
66 36.7 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

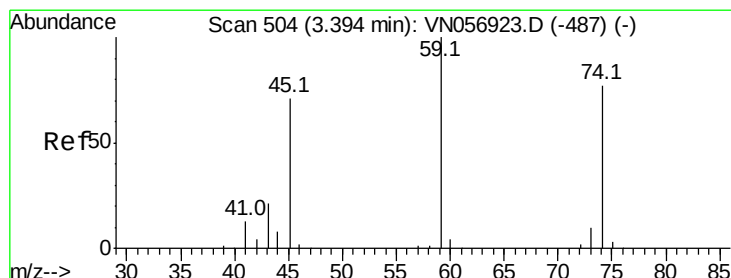
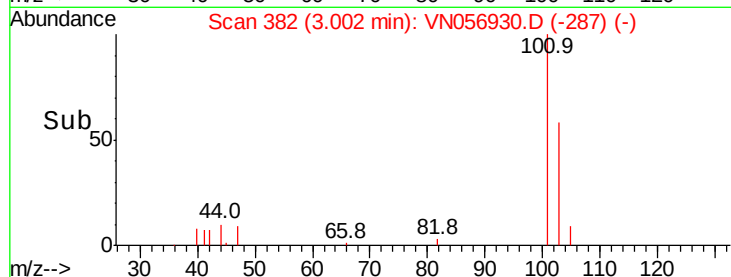
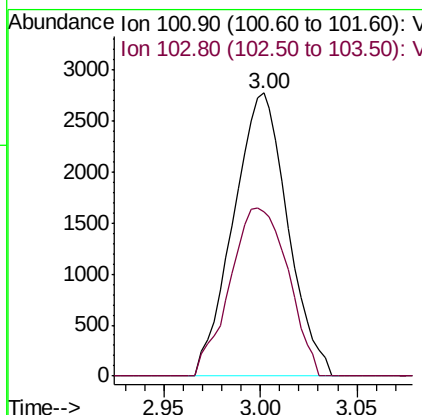
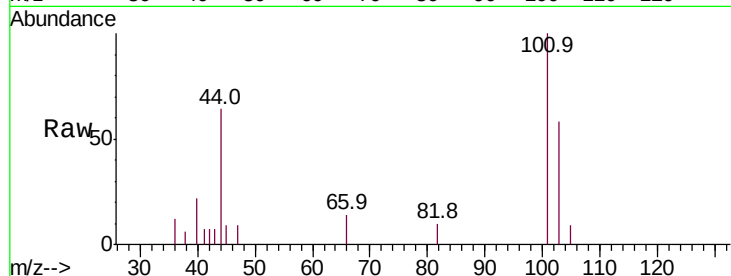
Trichlorofluoromethane
Concen: 0.813 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.01 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Instrument :
MSVOA_N
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LOD-MDL-WATER-01-QT3-2019

Tot Ion:101 Resp: 5412
Ion Ratio Lower Upper
101 100
103 58.0 52.0 78.0

Manual Integrations
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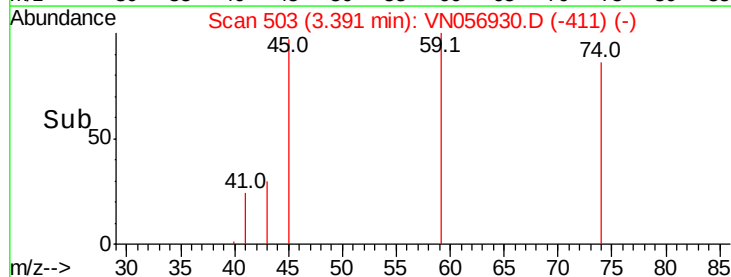
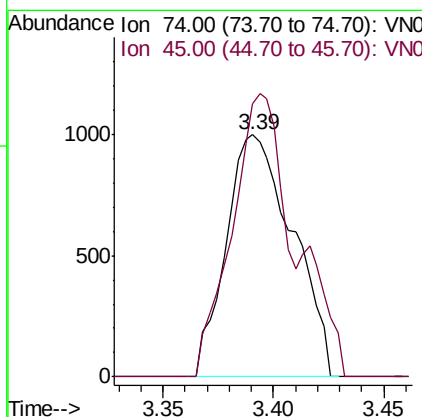
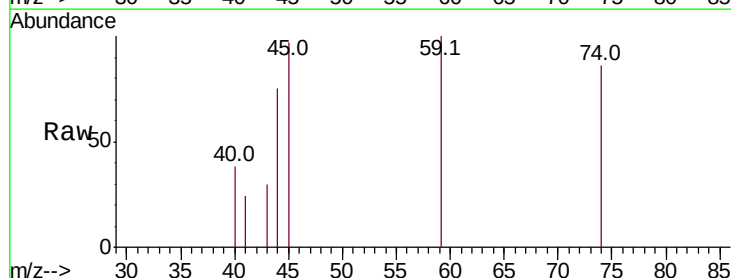
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7/26/2019 3:37:35 PM

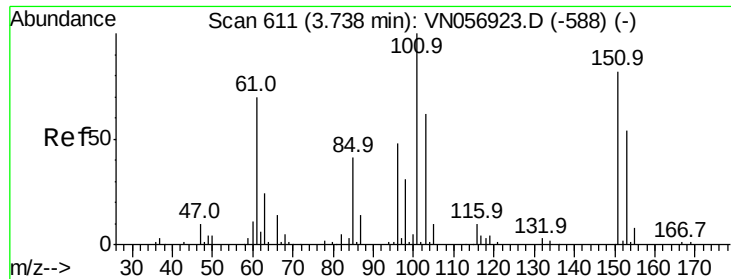


#8

Diethyl Ether
Concen: 0.836 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Tgt Ion: 74 Resp: 2085
Ion Ratio Lower Upper
74 100
45 90.2 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.870 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

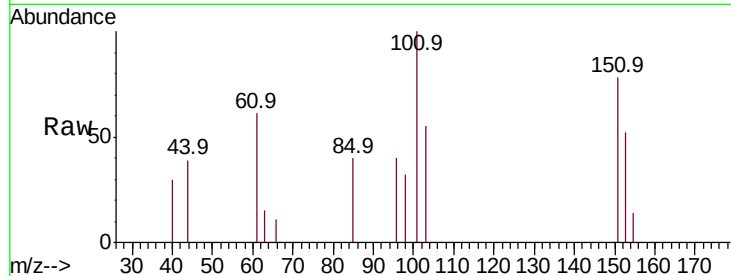
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

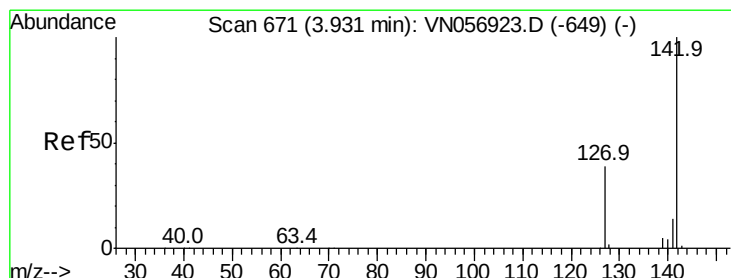
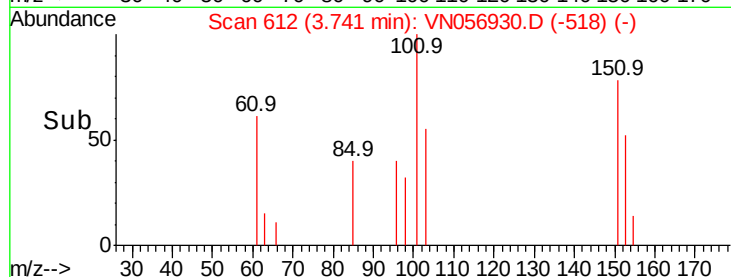
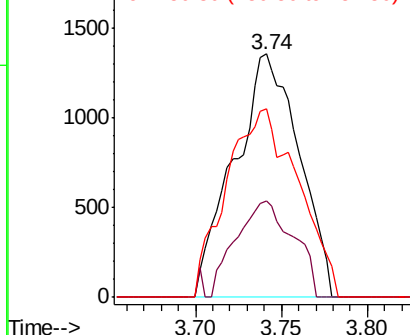
Tot Ion:	101	Resp:	3560
Ion Ratio	Lower	Upper	
101	100		
85	35.0	32.7	49.1
151	85.5	67.4	101.0

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



#10

Methyl Iodide

Concen: 0.667 ug/l

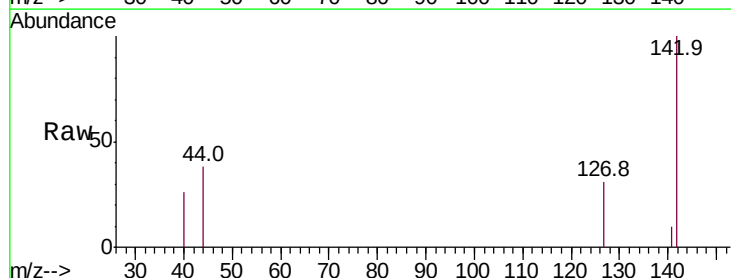
RT: 3.93 min Scan# 672

Delta R.T. 0.00 min

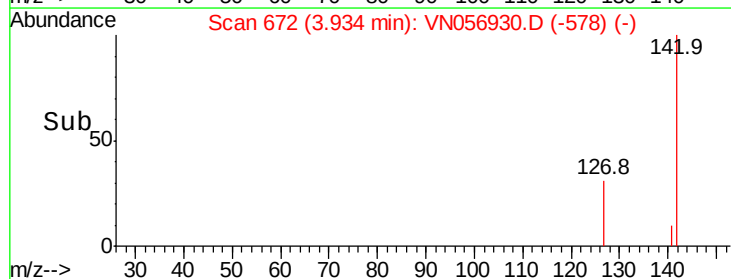
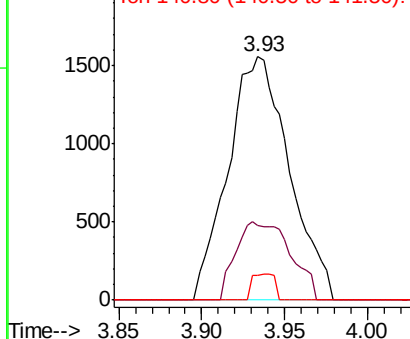
Lab File: VN056930.D

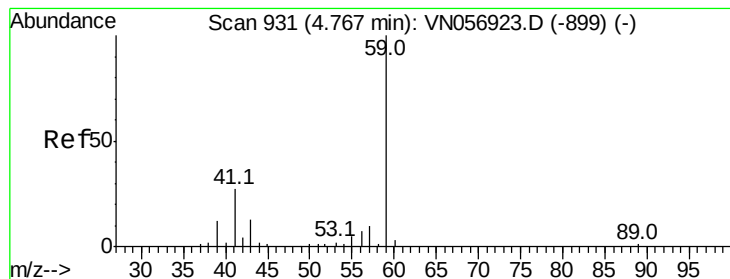
Acq: 25 Jul 2019 19:41

Tgt Ion:	142	Resp:	4008
Ion Ratio	Lower	Upper	
142	100		
127	28.6	30.5	45.7#
141	3.9	11.1	16.7#



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





#11

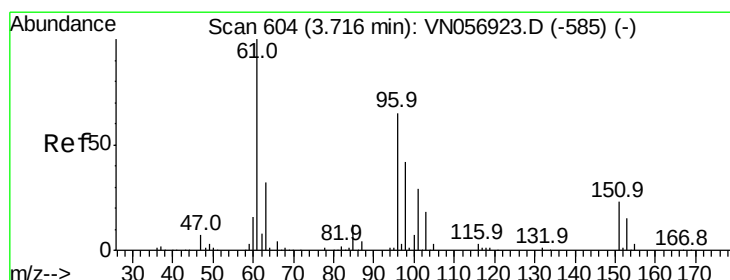
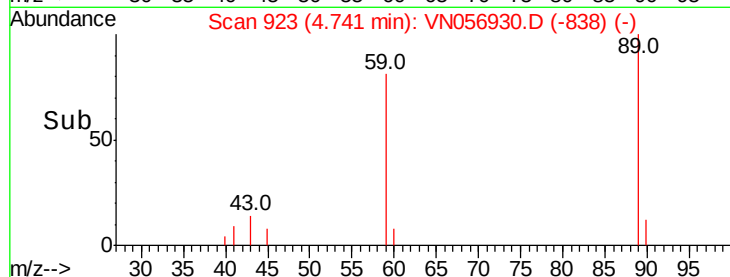
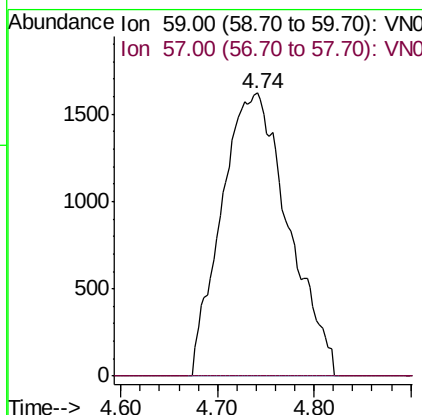
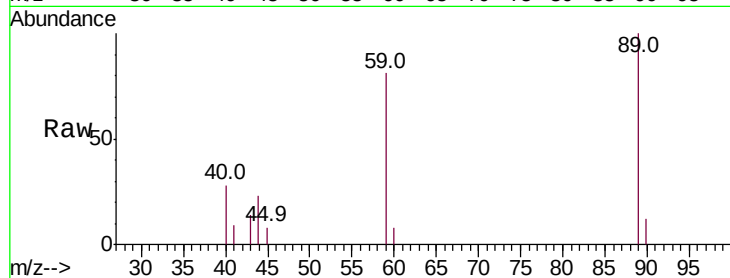
Tert butyl alcohol
Concen: 12.397 ug/l
RT: 4.74 min Scan# 923
Delta R.T. -0.03 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 59 Resp: 7788
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#

Manual Integrations
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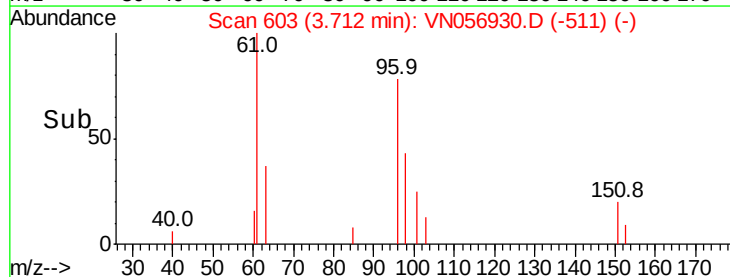
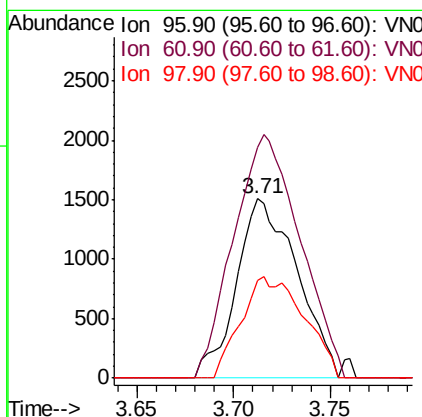
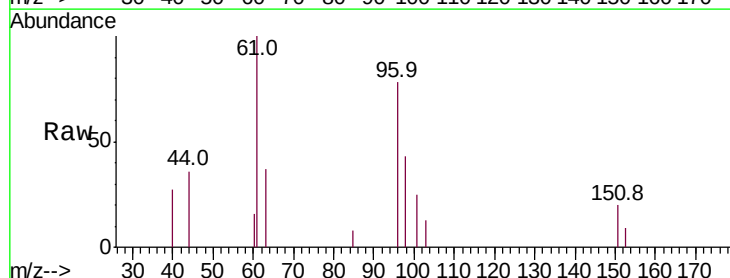
MMDadoda
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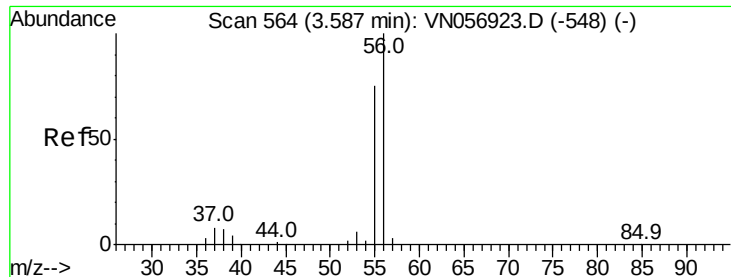


#12

1,1-Dichloroethene
Concen: 0.832 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Tgt Ion: 96 Resp: 3284
Ion Ratio Lower Upper
96 100
61 128.7 122.4 183.6
98 54.7 51.3 76.9





#13

Acrolein

Concen: 4.150 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.01 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 56 Resp: 1461

Ion Ratio Lower Upper

56 100

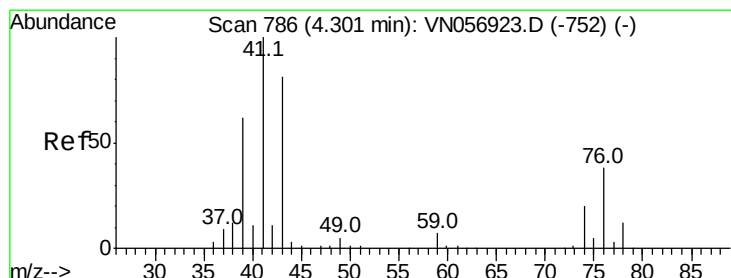
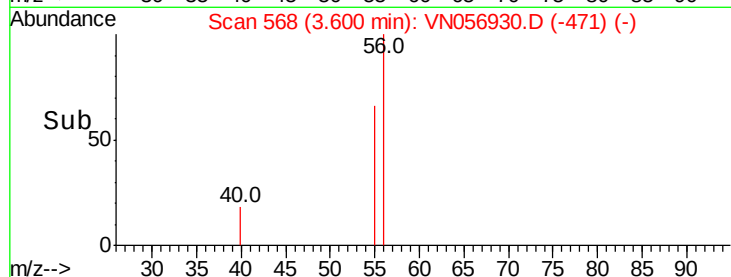
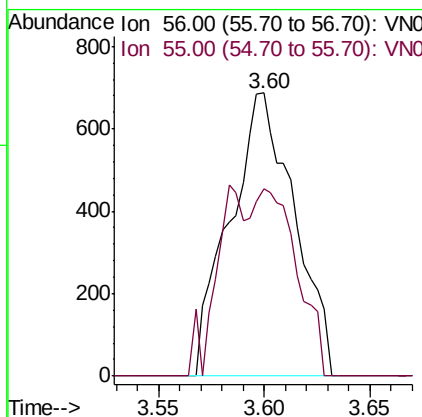
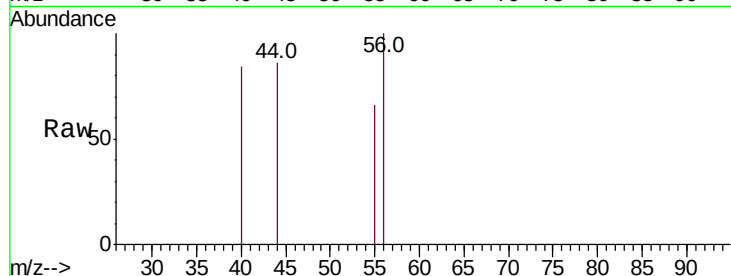
55 29.0 57.5 86.3#

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 0.785 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

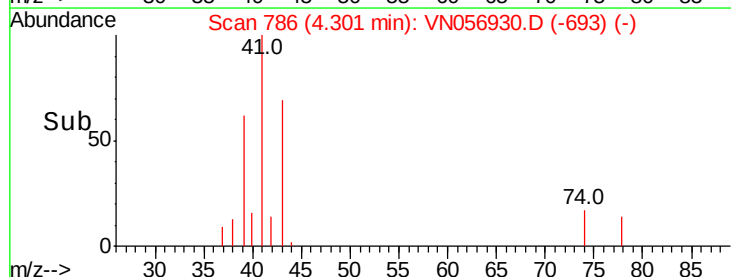
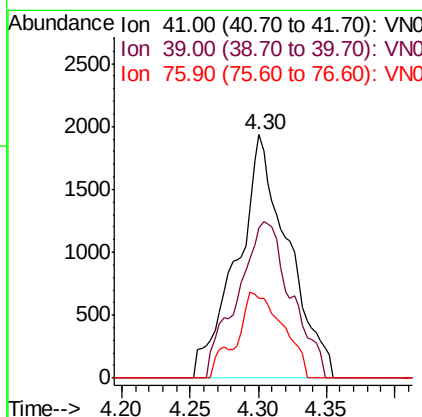
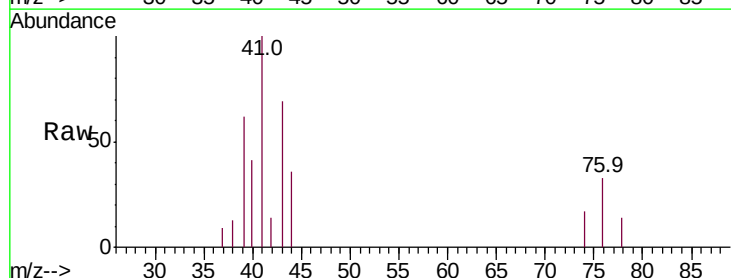
Tgt Ion: 41 Resp: 5033

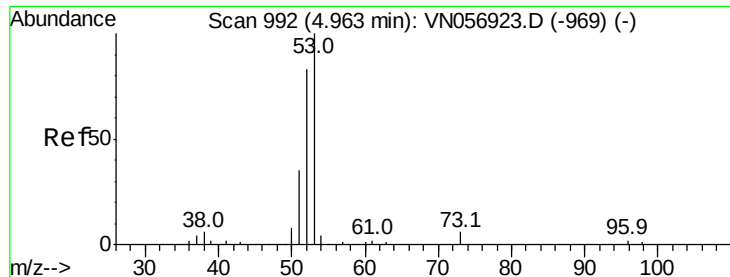
Ion Ratio Lower Upper

41 100

39 67.3 47.5 71.3

76 27.8 28.0 42.0#





#15

Acrylonitrile

Concen: 4.050 ug/l m

RT: 4.98 min Scan# 998

Delta R.T. 0.02 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

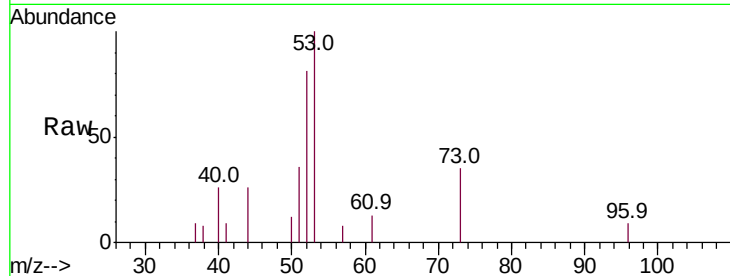
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
53	100		
52	74.6	65.5	98.3
51	16.5	28.1	42.1#

Manual Integrations
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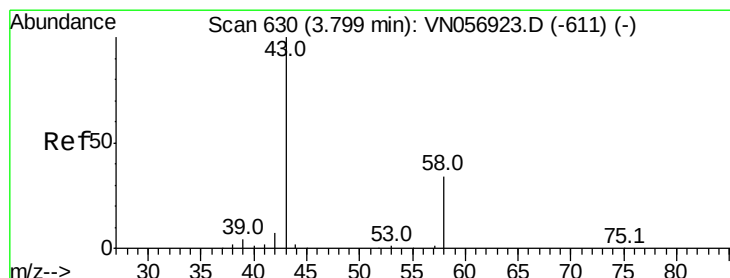
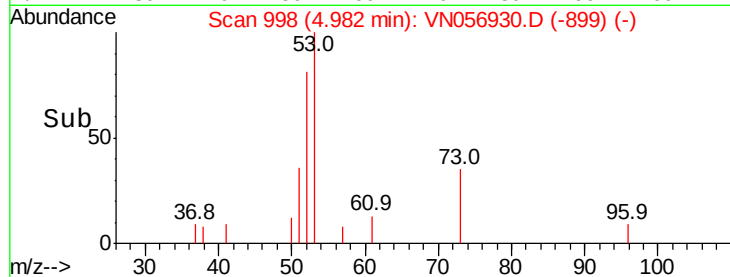
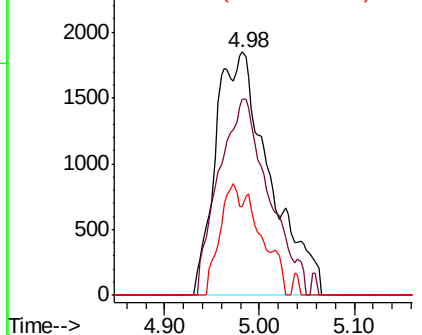
MMDadoda
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Abundance Ion 53.00 (52.70 to 53.70): VN056930.D (-999) (-)

Ion 52.00 (51.70 to 52.70): VN056930.D (-999) (-)

Ion 51.00 (50.70 to 51.70): VN056930.D (-999) (-)



#16

Acetone

Concen: 4.381 ug/l

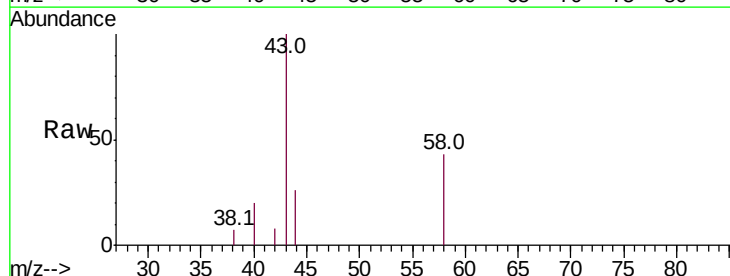
RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN056930.D

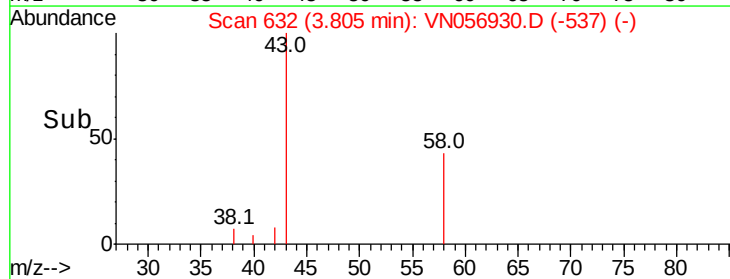
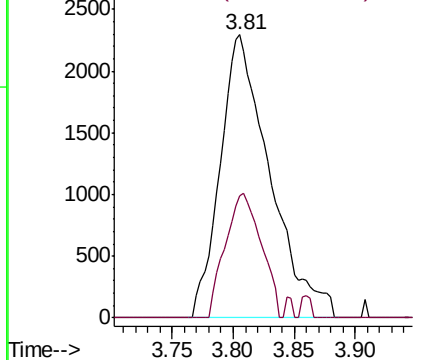
Acq: 25 Jul 2019 19:41

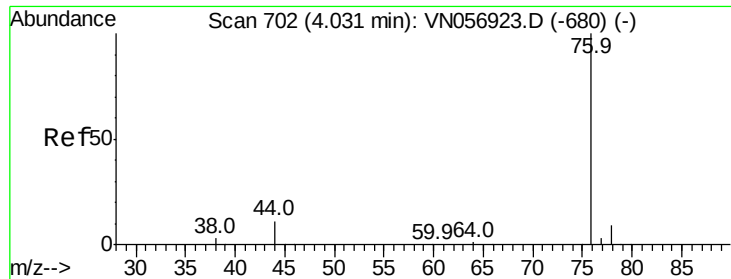
Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.0	27.3	40.9#



Abundance Ion 43.00 (42.70 to 43.70): VN056930.D (-537) (-)

Ion 58.00 (57.70 to 58.70): VN056930.D (-537) (-)





#17

Carbon Disulfide

Concen: 0.847 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 76 Resp: 9011

Ion Ratio Lower Upper

76 100

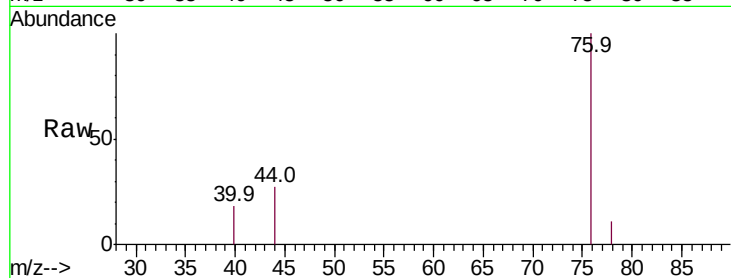
78 10.6 7.3 10.9

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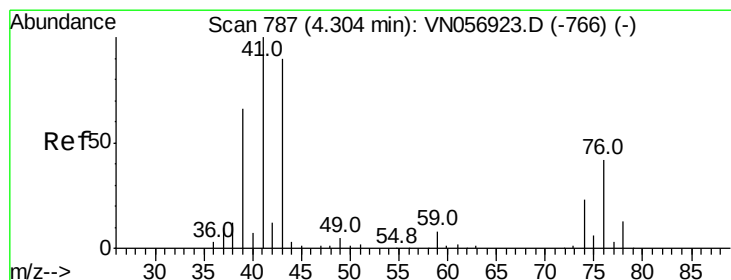
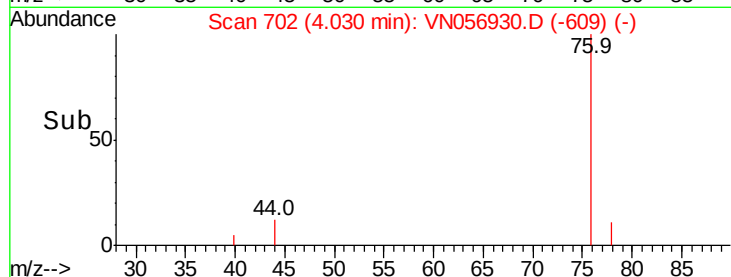
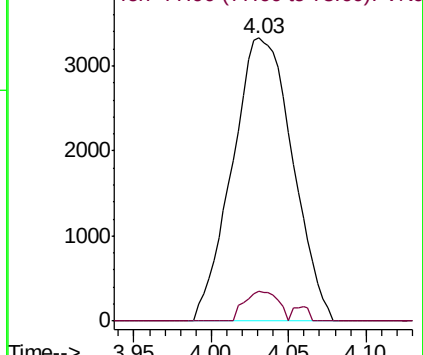
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 1.040 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.01 min

Lab File: VN056930.D

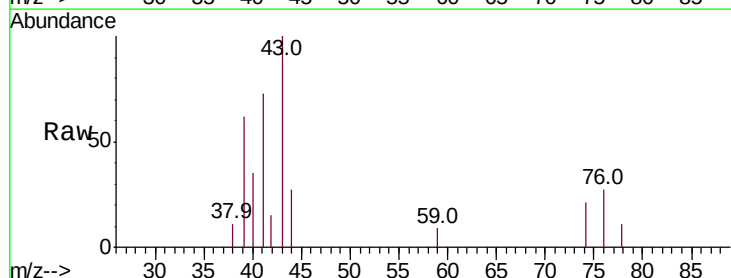
Acq: 25 Jul 2019 19:41

Tgt Ion: 43 Resp: 5416

Ion Ratio Lower Upper

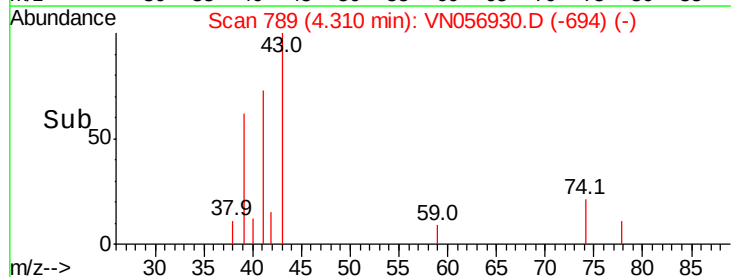
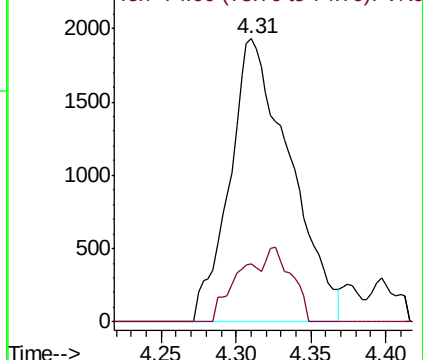
43 100

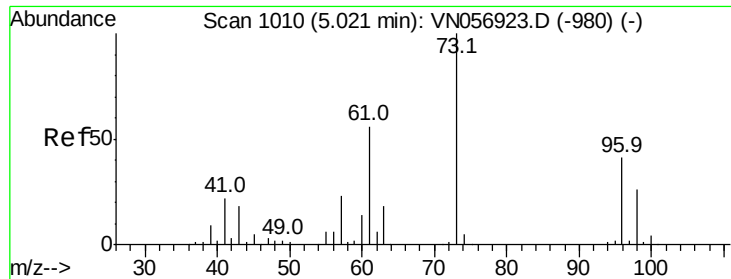
74 10.6 19.4 29.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





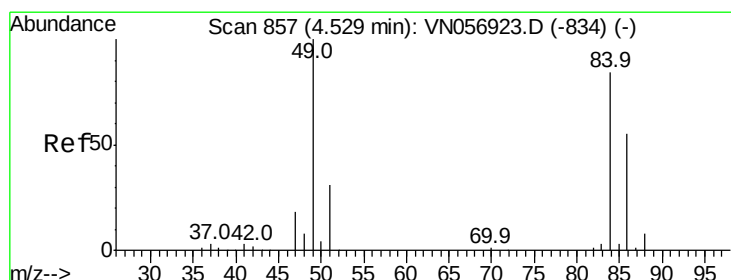
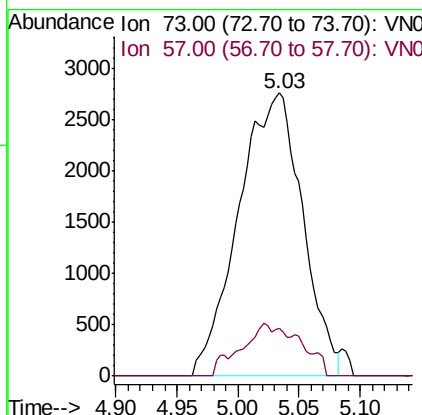
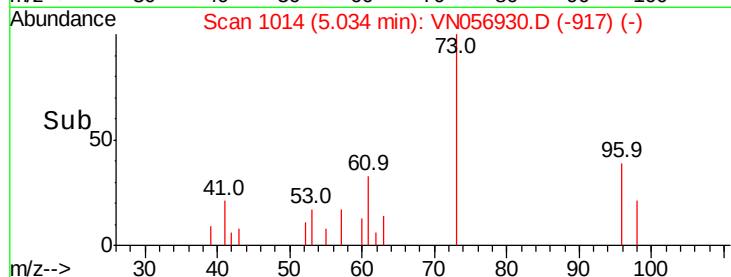
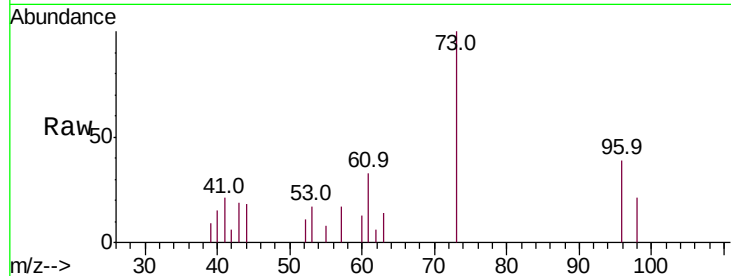
#19
Methyl tert-butyl Ether
Concen: 0.866 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 73 Resp: 10053
Ion Ratio Lower Upper
73 100
57 16.9 18.2 27.4#

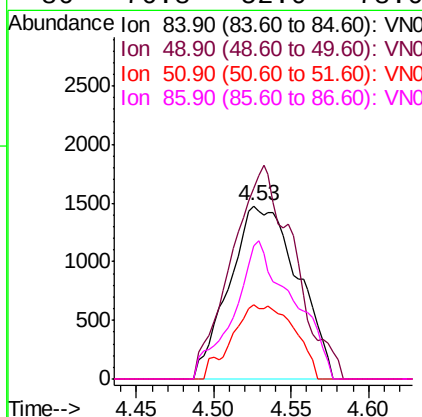
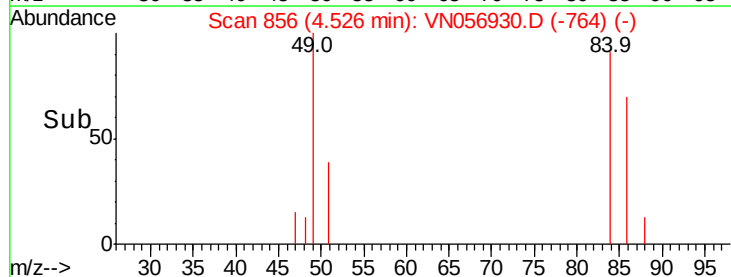
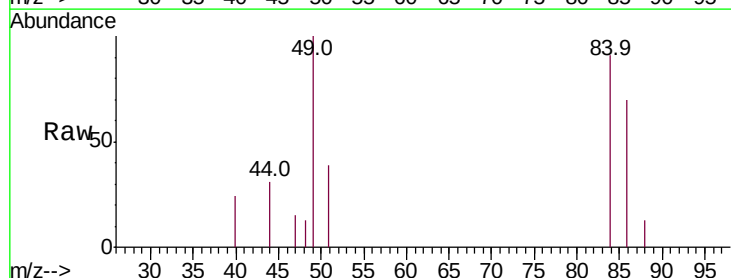
Manual Integrations
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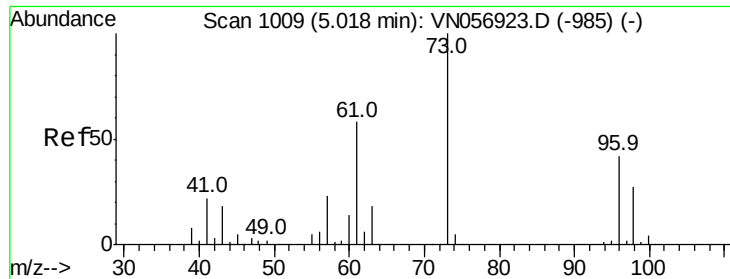
MMDadoda
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#20
Methylene Chloride
Concen: 0.963 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Tgt Ion: 84 Resp: 4536
Ion Ratio Lower Upper
84 100
49 110.0 95.0 142.6
51 42.6 29.8 44.8
86 76.8 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 0.832 ug/l m

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 96 Resp: 3517

Ion Ratio Lower Upper

96 100

61 127.6 109.9 164.9

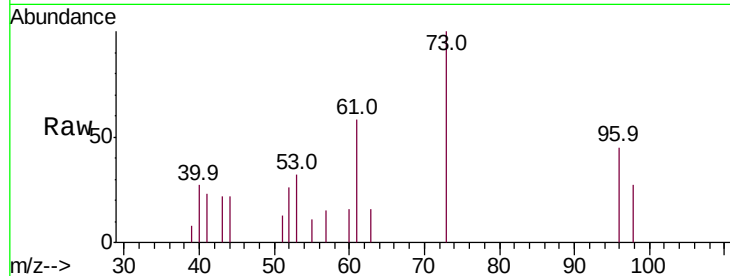
98 59.8 51.0 76.4

Manual Integrations

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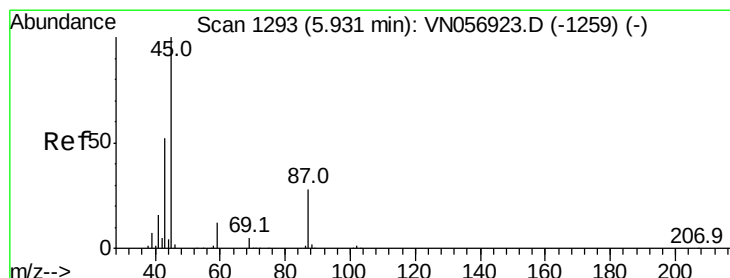
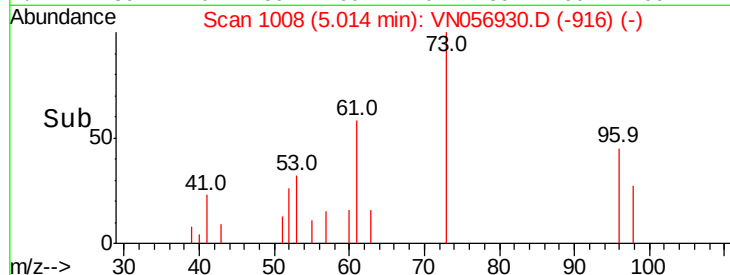
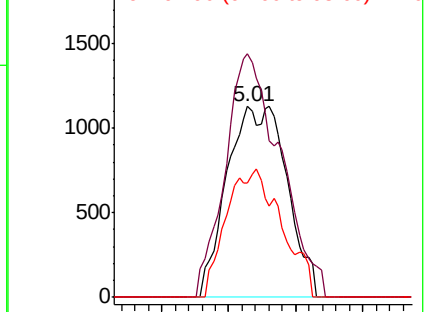


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 0.807 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Tgt Ion: 45 Resp: 10528

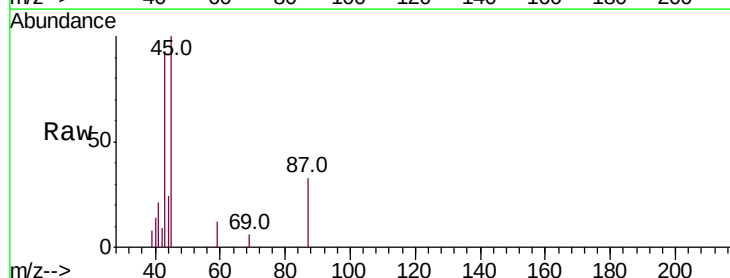
Ion Ratio Lower Upper

45 100

43 83.0 44.7 67.1#

87 33.2 23.1 34.7

59 12.5 9.7 14.5



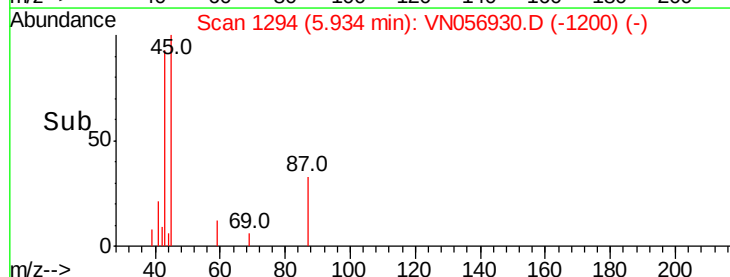
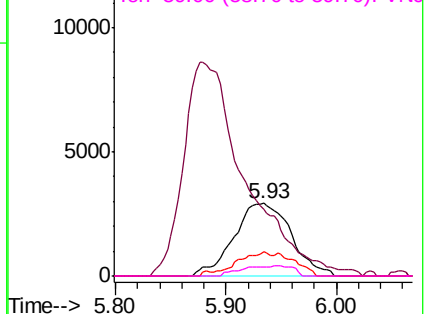
Abundance

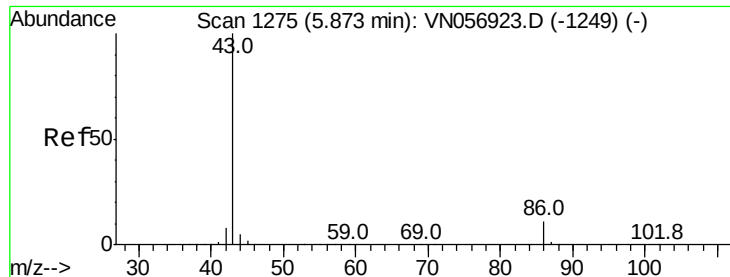
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 3.721 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 33453

Ion Ratio Lower Upper

43 100

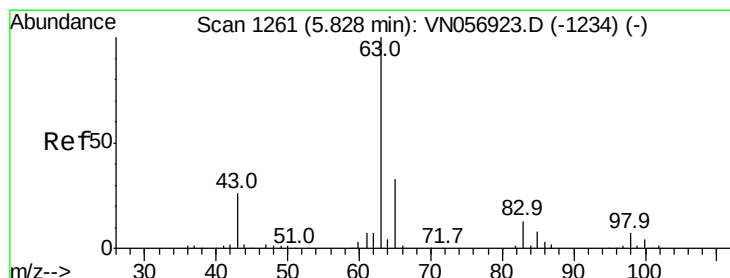
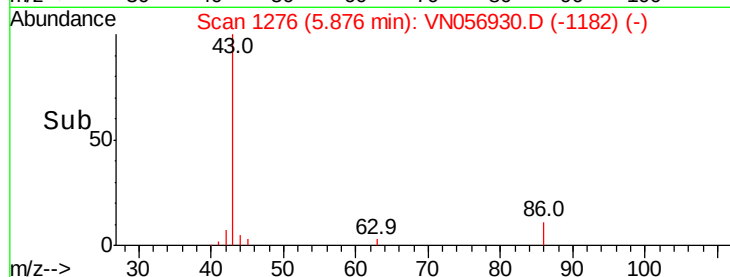
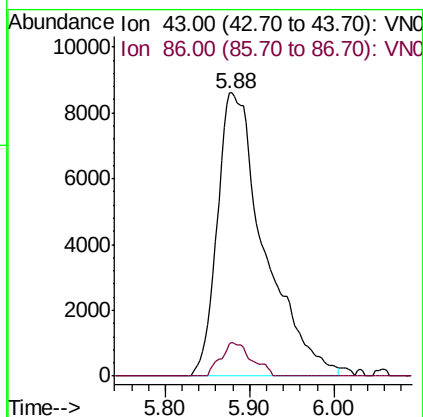
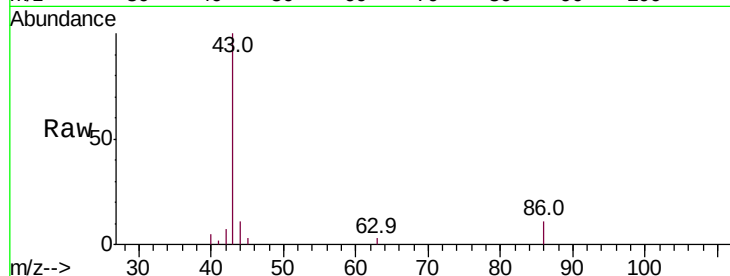
86 11.5 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 0.877 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

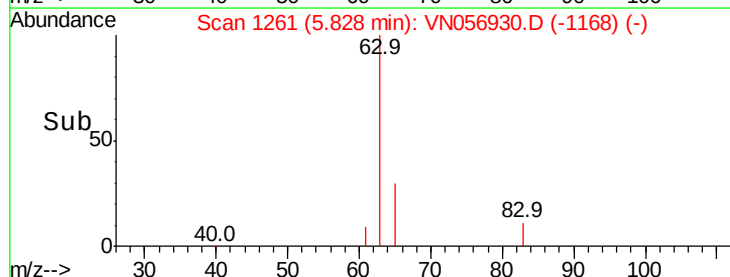
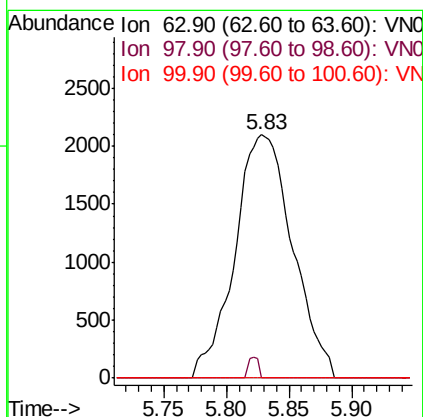
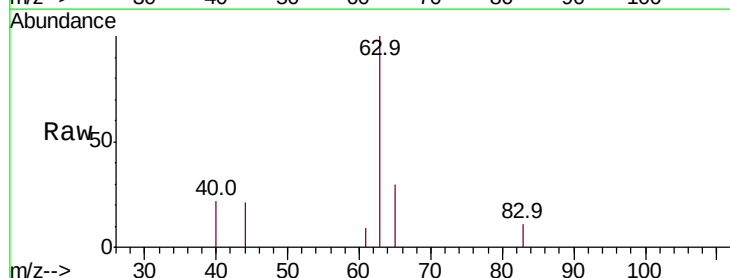
Tgt Ion: 63 Resp: 6722

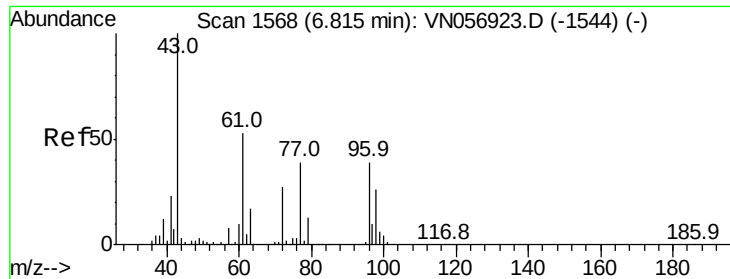
Ion Ratio Lower Upper

63 100

98 0.0 3.4 10.1#

100 0.0 2.1 6.3#





#25

2-Butanone

Concen: 3.686 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 8437

Ion Ratio Lower Upper

43 100

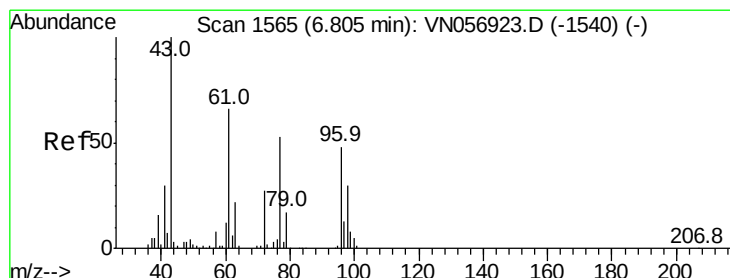
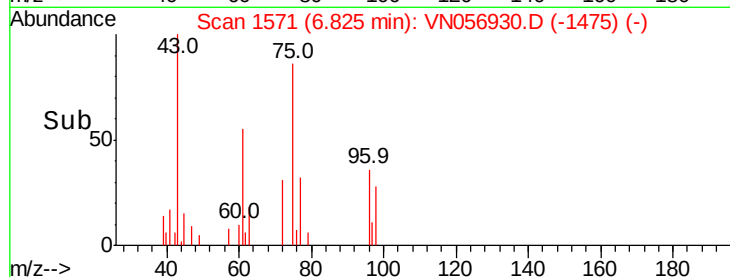
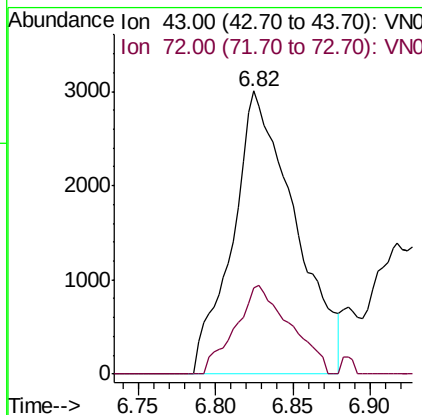
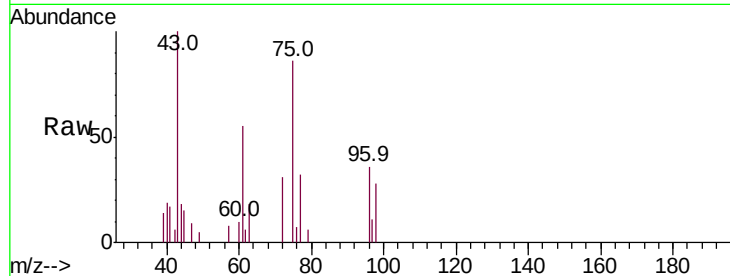
72 30.6 21.9 32.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 0.758 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN056930.D

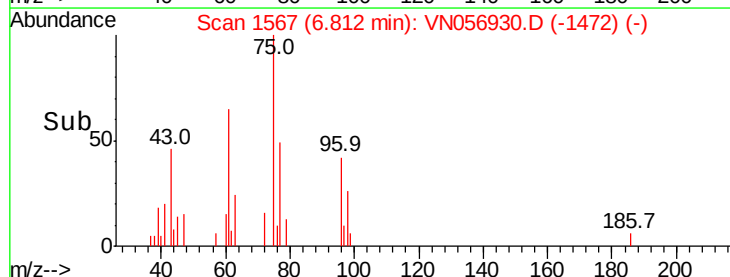
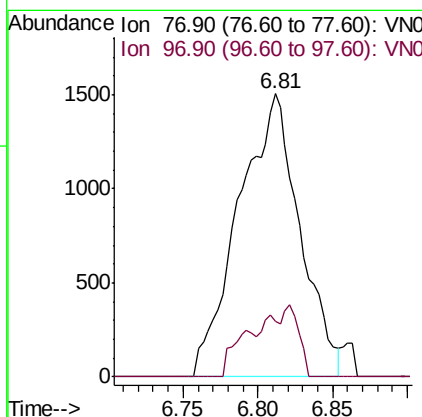
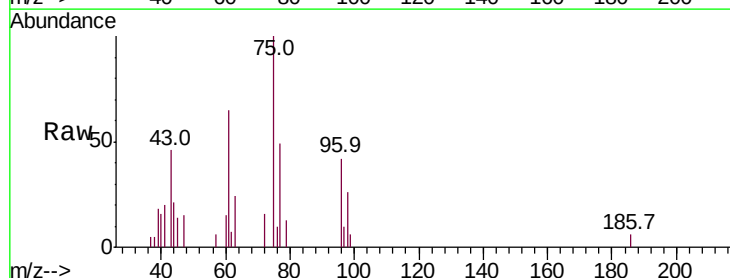
Acq: 25 Jul 2019 19:41

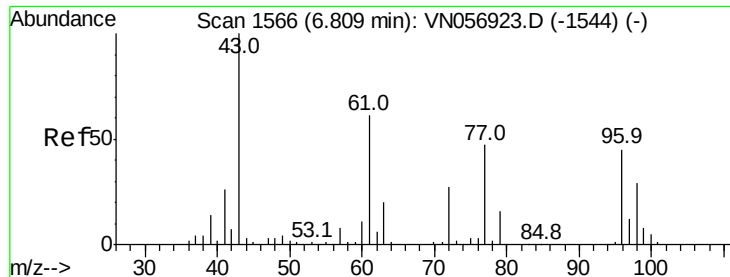
Tgt Ion: 77 Resp: 4263

Ion Ratio Lower Upper

77 100

97 6.5 12.3 36.8#





#27

cis-1,2-Dichloroethene

Concen: 0.747 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

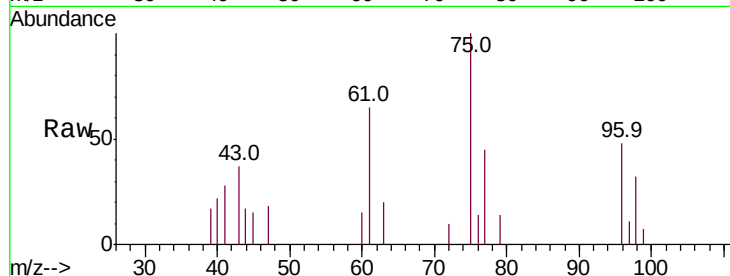
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	96	Resp:	3603
Ion	Ratio	Lower	Upper
96	100		
61	161.7	0.0	278.8
98	29.9	0.0	130.0

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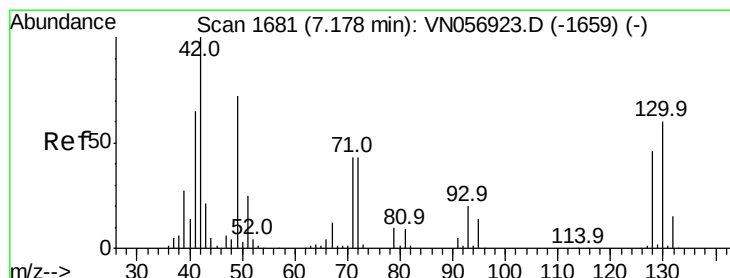
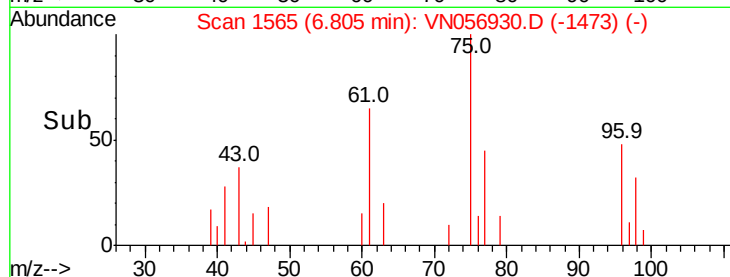
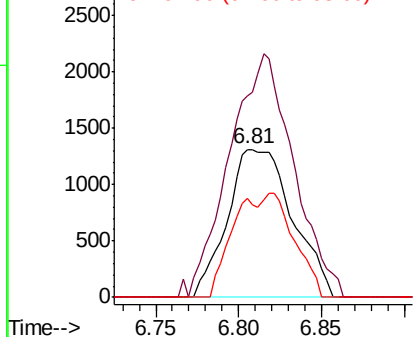


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 0.949 ug/l

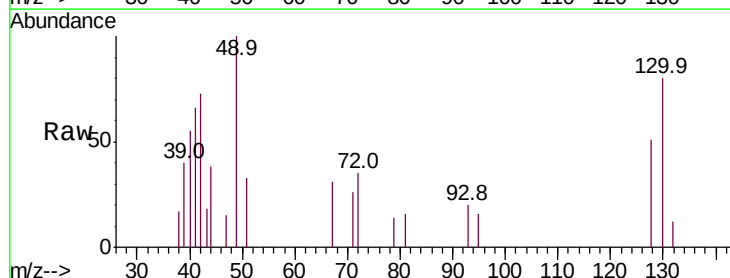
RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Tgt Ion:	49	Resp:	3358
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	74.7	67.3	100.9

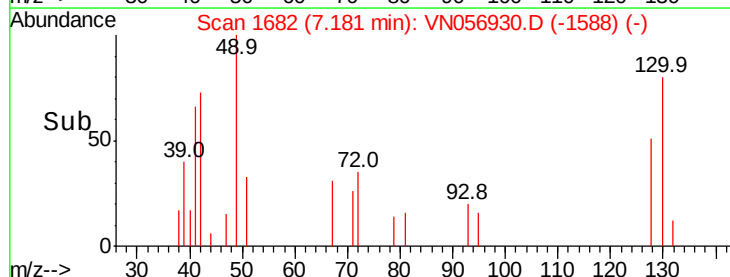
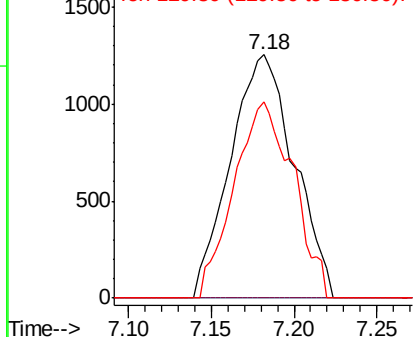


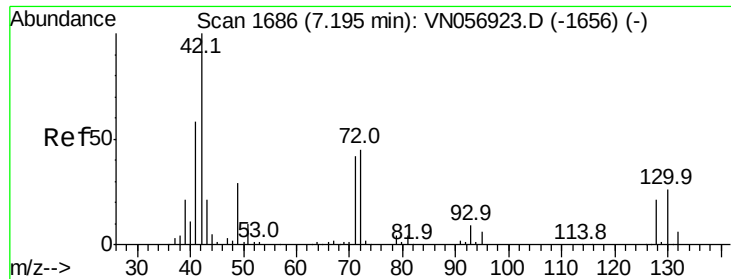
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





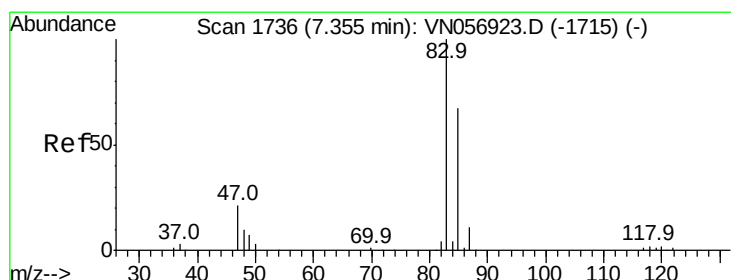
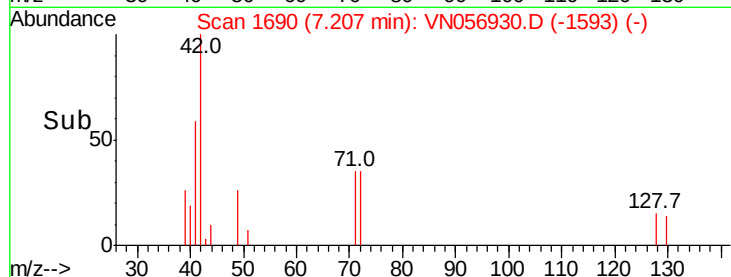
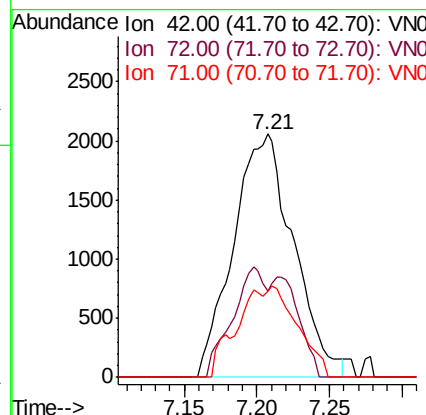
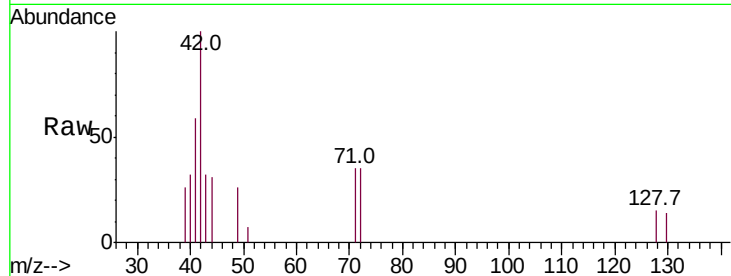
#29
Tetrahydrofuran
Concen: 3.949 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
42	100		
72	25.4	35.5	53.3#
71	17.5	33.0	49.6#

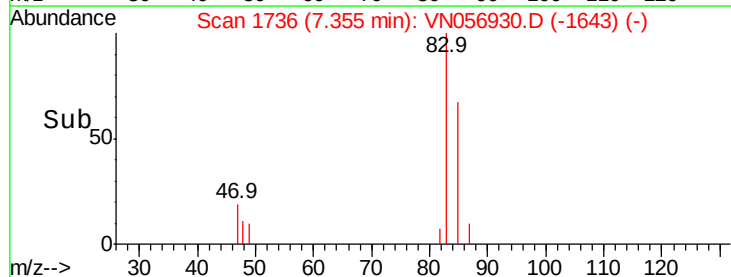
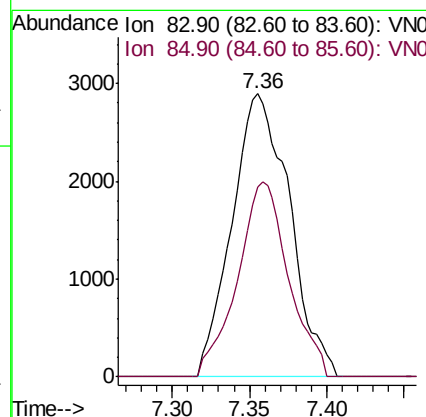
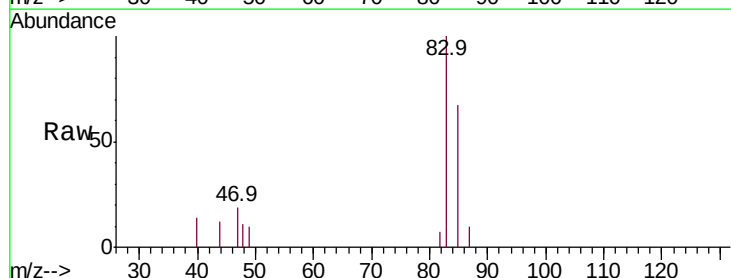
Manual Integrations
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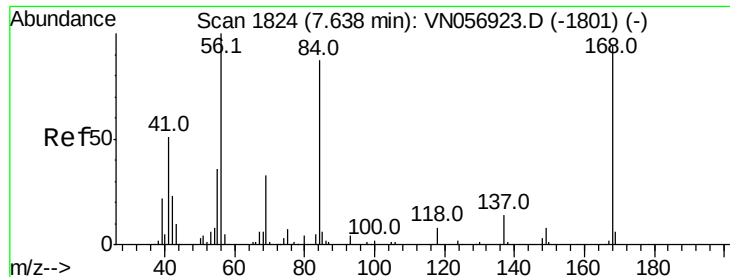
MMDadoda
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#30
Chloroform
Concen: 0.945 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	53.5	80.3





#31

Cyclohexane

Concen: 1.561 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

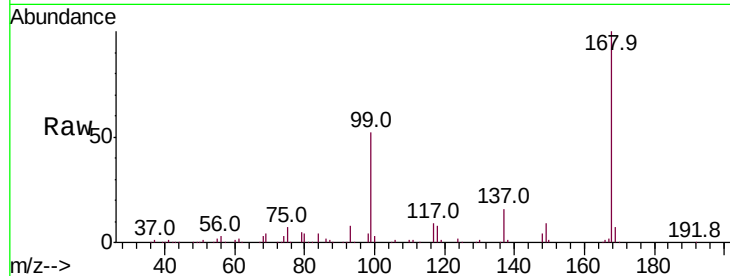
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	56	Resp:	11645
Ion	Ratio	Lower	Upper
56	100		
69	118.3	26.3	39.5#
84	123.0	69.6	104.4#

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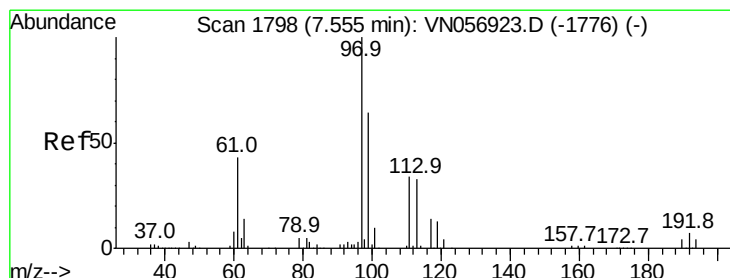
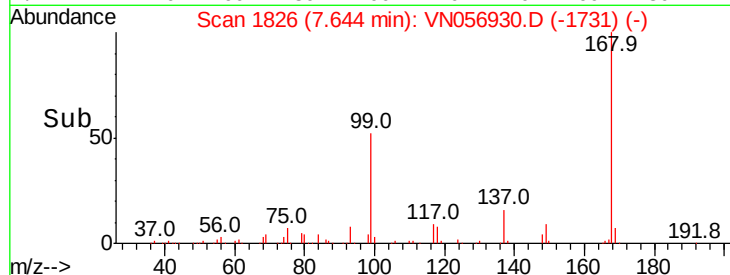
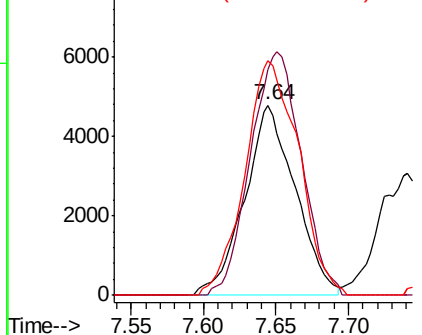


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 0.811 ug/l

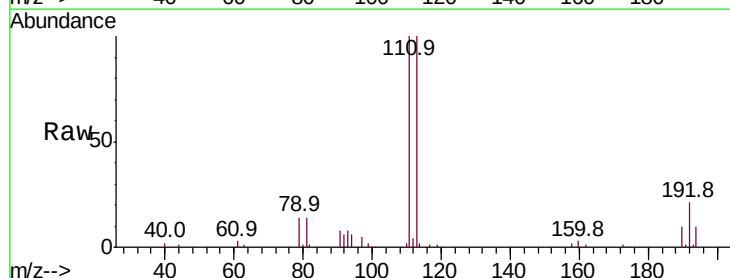
RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Tgt Ion:	97	Resp:	5126
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	44.3	33.8	50.6

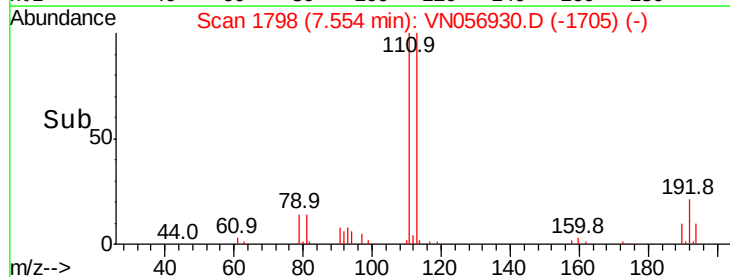
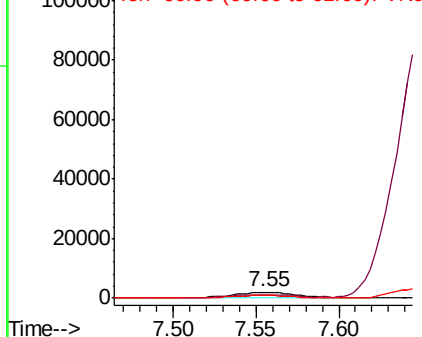


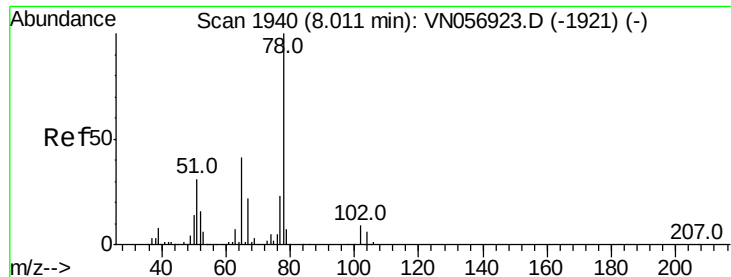
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





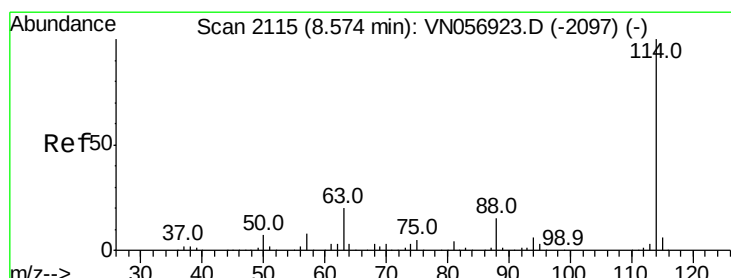
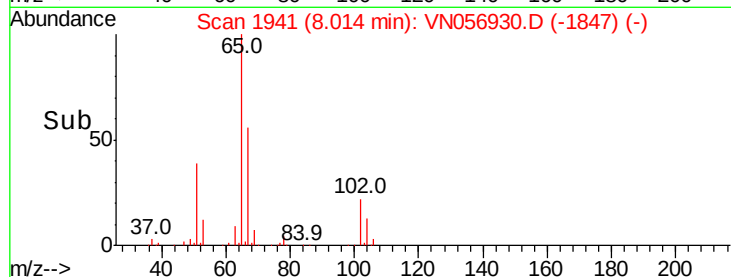
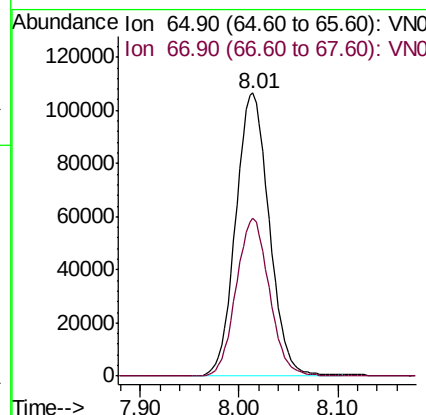
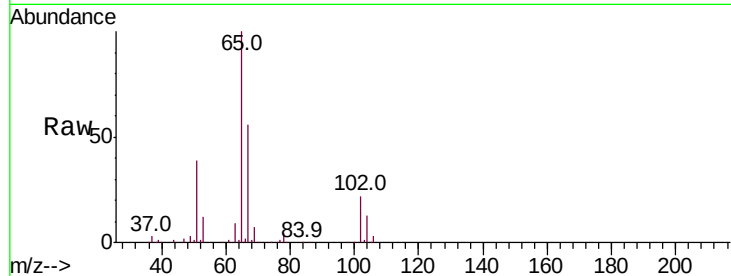
#33
 1,2-Dichloroethane-d4
 Concen: 57.578 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN056930.D
 Acq: 25 Jul 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.2	0.0	109.2

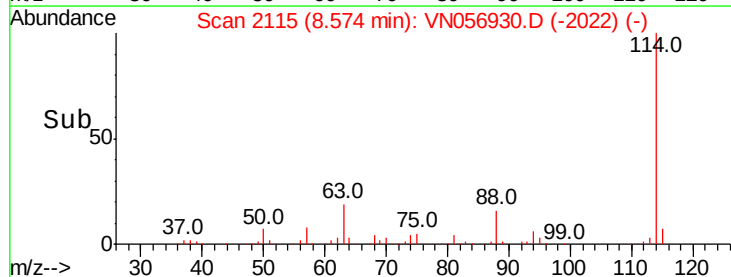
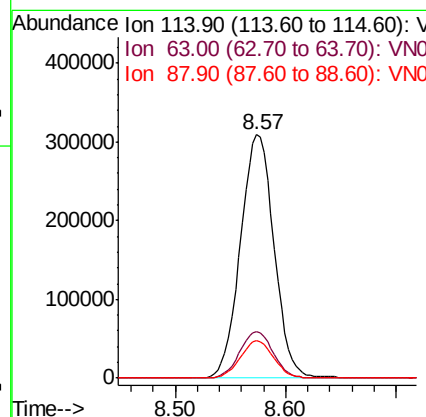
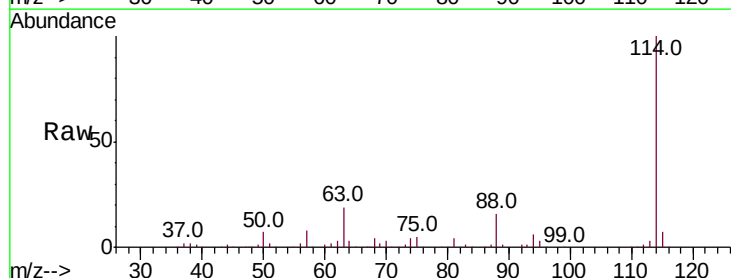
Manual Integrations
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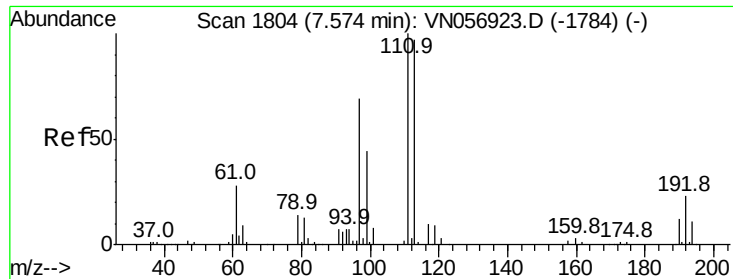
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN056930.D
 Acq: 25 Jul 2019 19:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.4
88	15.6	0.0	30.4





#35

Dibromofluoromethane

Concen: 53.323 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

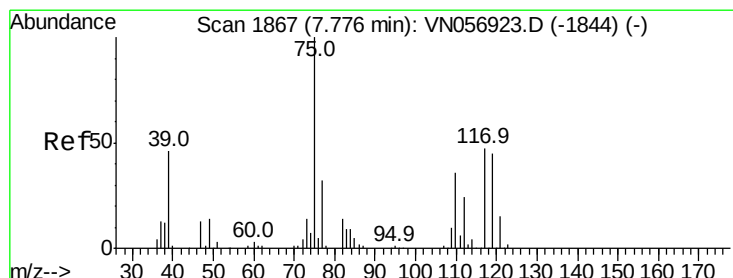
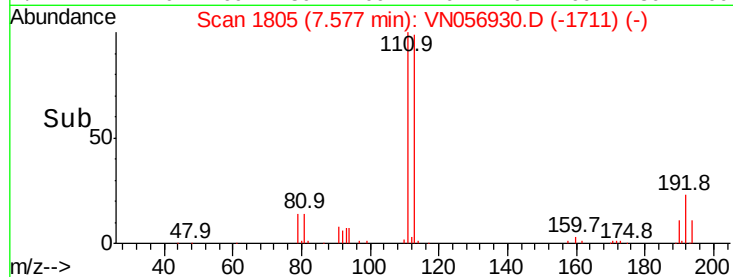
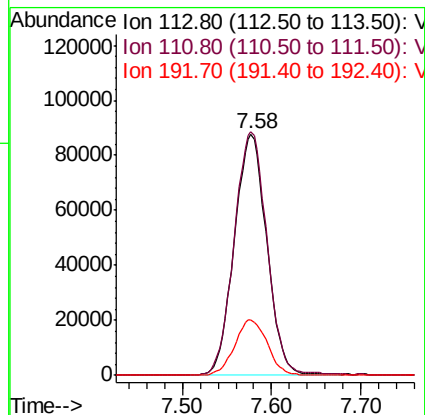
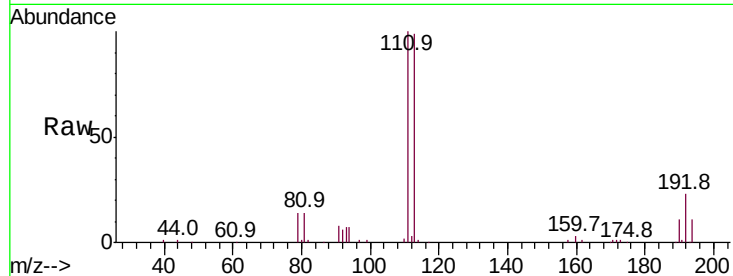
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	113	Resp:	222144
Ion Ratio	Lower	Upper	
113	100		
111	101.5	82.2	123.2
192	23.0	18.3	27.5

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#36

1,1-Dichloropropene

Concen: 0.873 ug/l

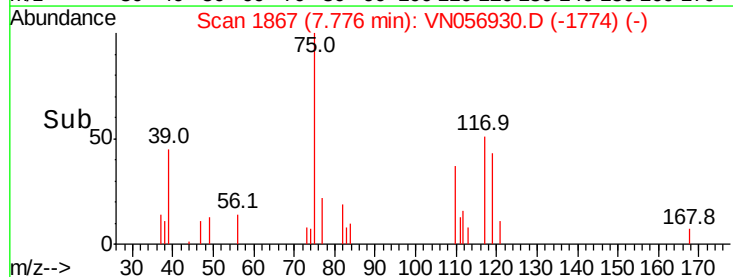
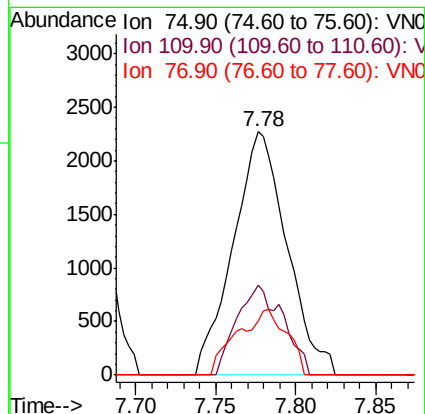
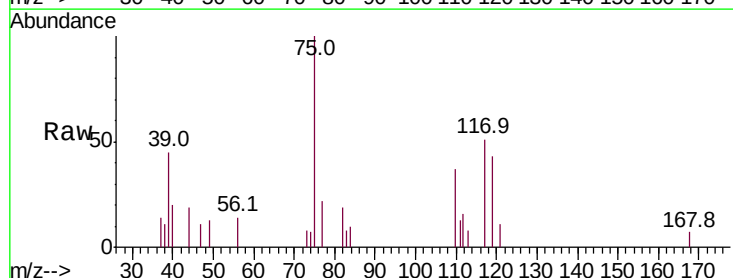
RT: 7.78 min Scan# 1867

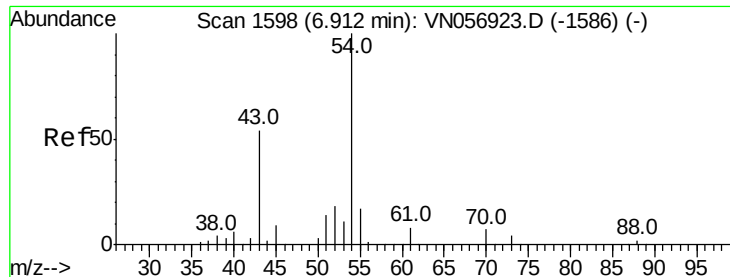
Delta R.T. -0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Tgt Ion:	75	Resp:	5210
Ion Ratio	Lower	Upper	
75	100		
110	31.8	18.9	56.9
77	25.0	25.4	38.0#





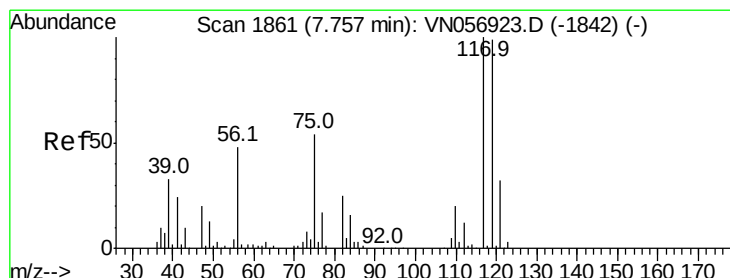
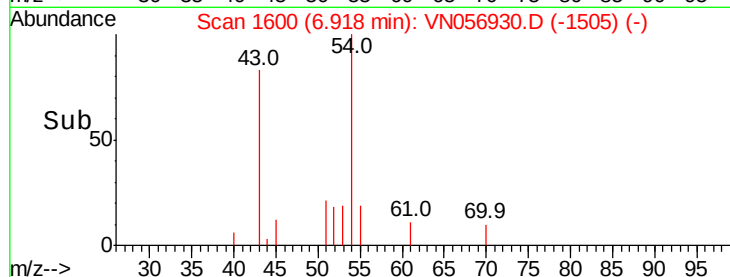
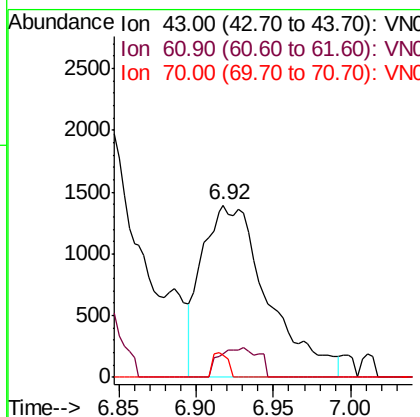
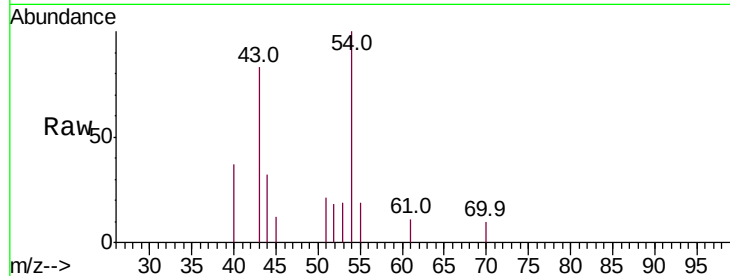
#37
Ethyl Acetate
Concen: 0.852 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	43	61	70
Ratio	100	10.3	3.4
Lower		11.9	8.8
Upper		17.9#	13.2#

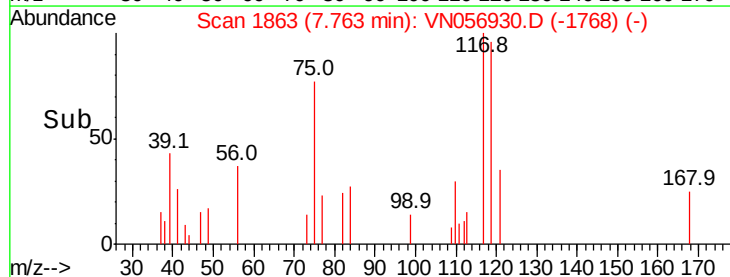
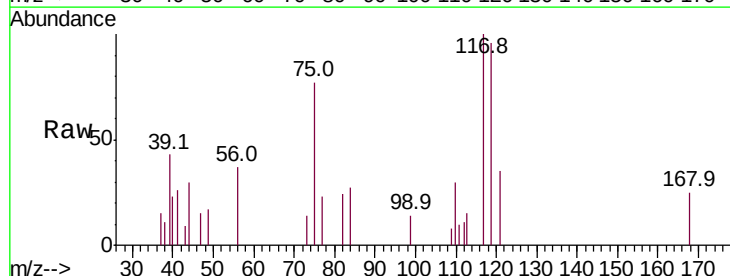
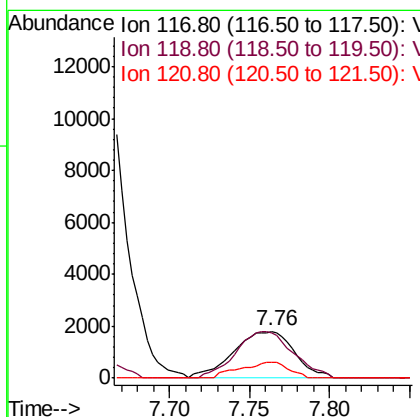
Manual Integrations
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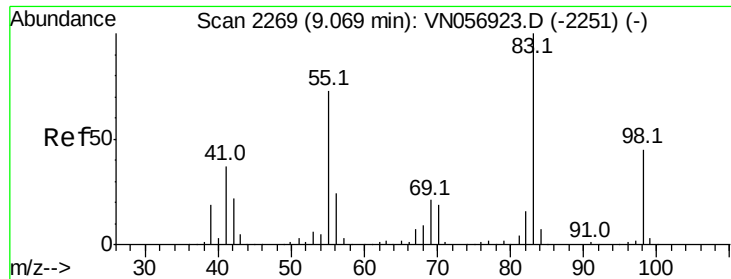
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#38
Carbon Tetrachloride
Concen: 0.826 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Tgt Ion	117	119	121
Ratio	100	96.3	34.6
Lower		79.0	25.1
Upper		118.6	37.7





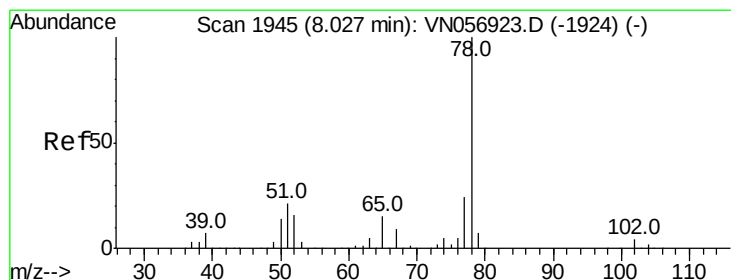
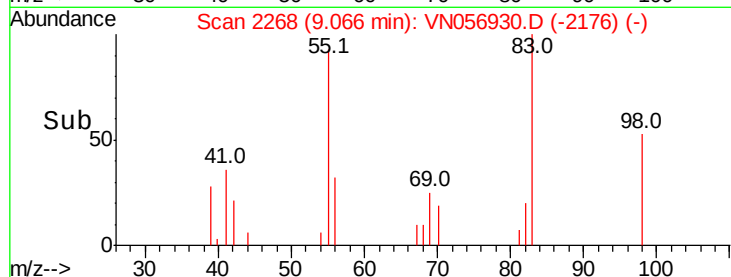
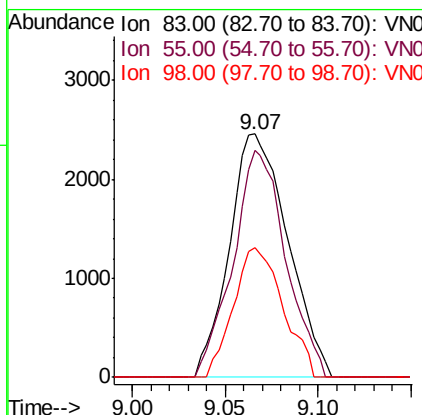
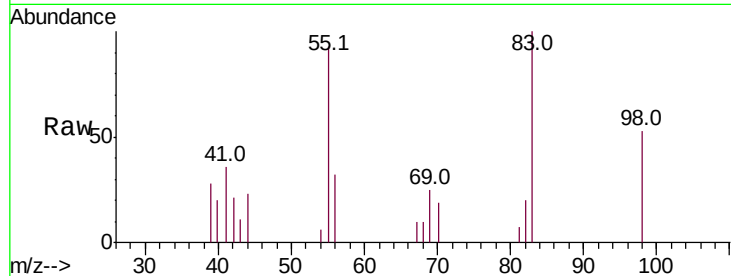
#39
Methylvlcyclohexane
Concen: 0.737 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 83 Resp: 5365
Ion Ratio Lower Upper
83 100
55 93.3 58.8 88.2#
98 53.0 35.8 53.6

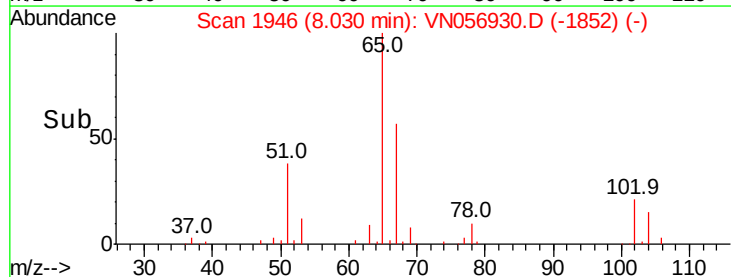
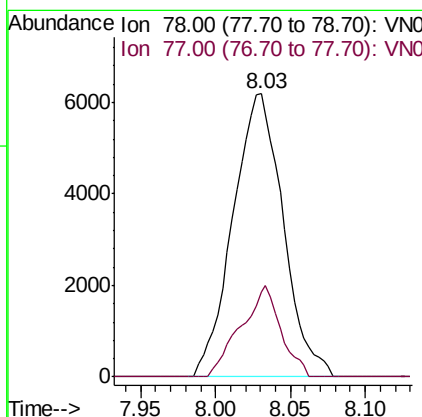
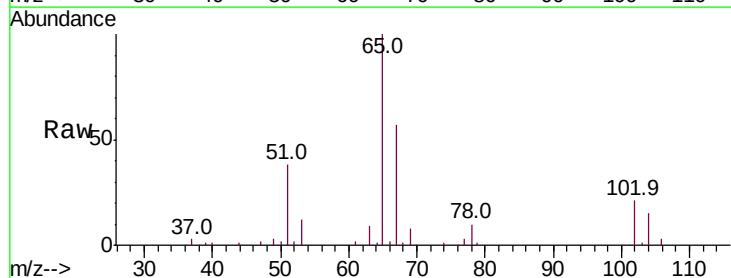
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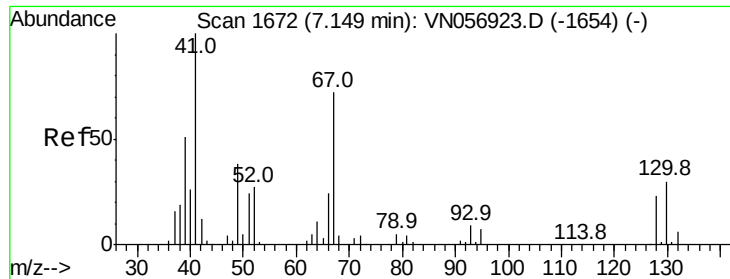
MMDadoda
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#40
Benzene
Concen: 0.778 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Tgt Ion: 78 Resp: 14490
Ion Ratio Lower Upper
78 100
77 30.2 19.5 29.3#





#41

Methacrylonitrile

Concen: 0.643 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 41 Resp: 1368

Ion Ratio Lower Upper

41 100

39 49.9 0.0 0.0#

67 91.8 0.0 0.0#

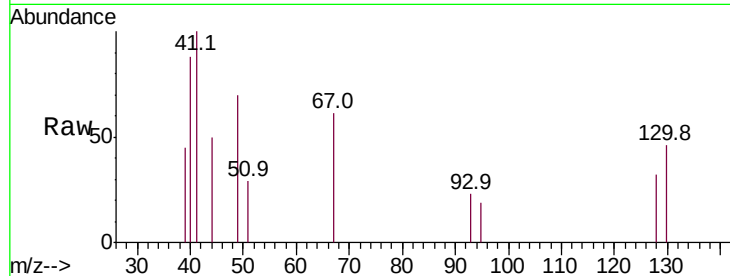
52 17.0 0.0 0.0#

Manual Integrations

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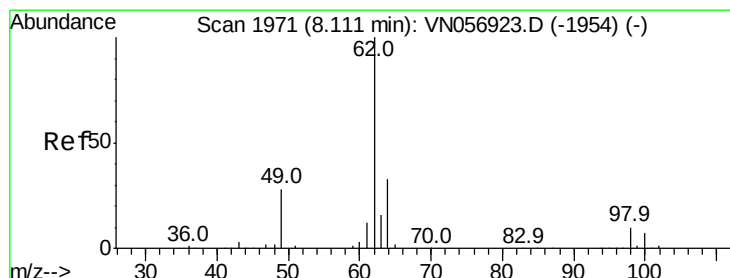
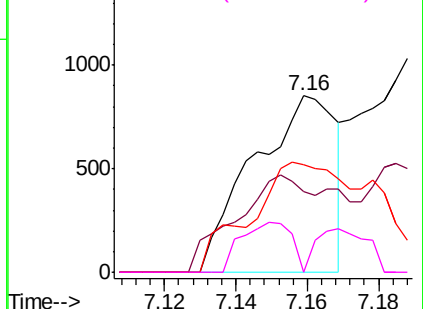
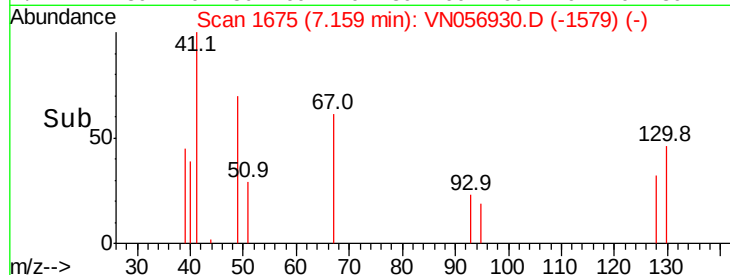


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 0.893 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN056930.D

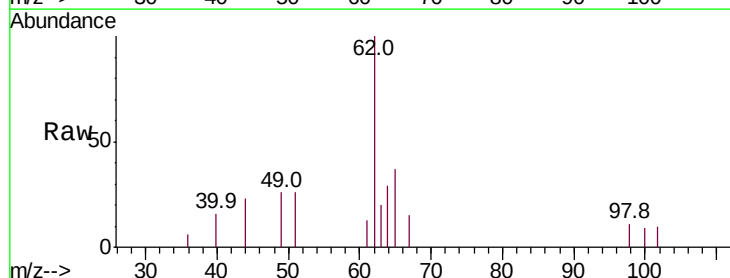
Acq: 25 Jul 2019 19:41

Tgt Ion: 62 Resp: 5137

Ion Ratio Lower Upper

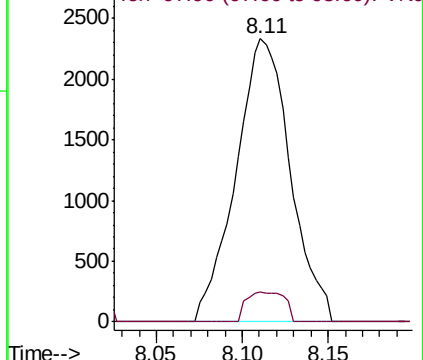
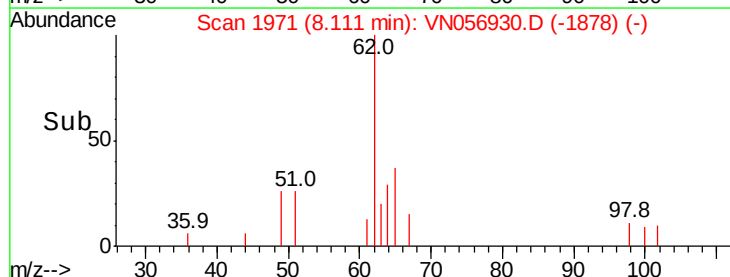
62 100

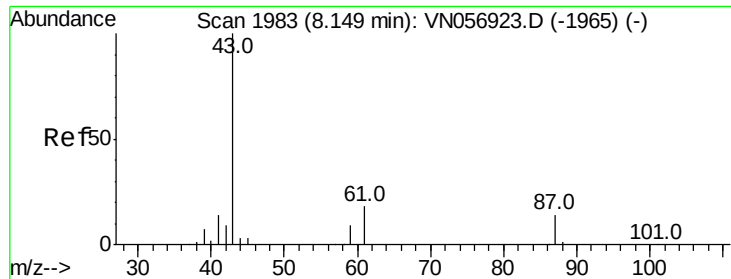
98 7.3 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 0.718 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

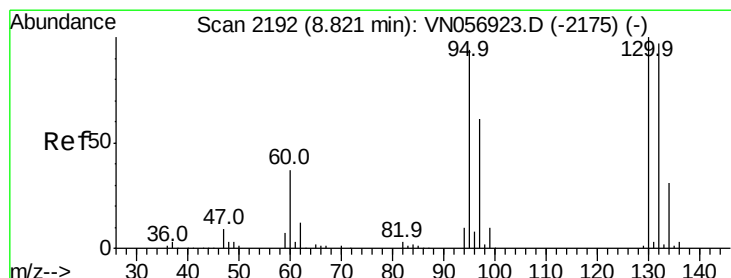
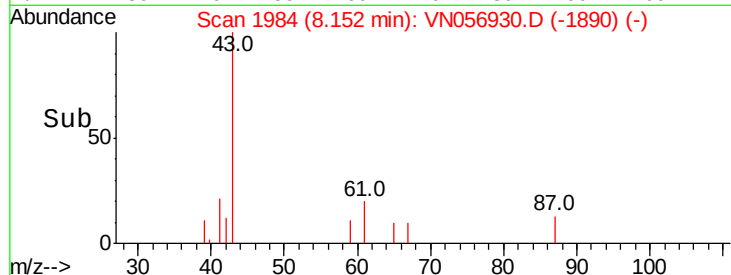
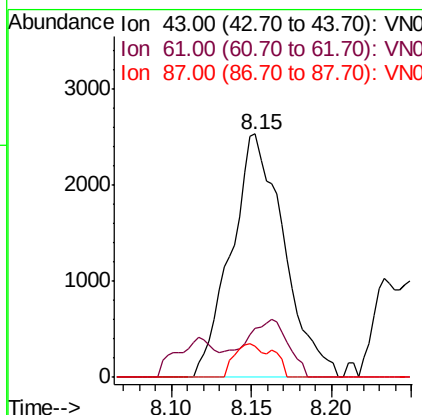
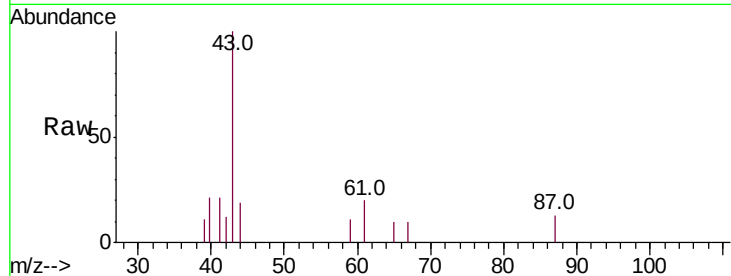
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	43	Resp:	5718
Ion	Ratio	Lower	Upper
43	100		
61	17.9	23.8	35.6#
87	9.9	11.8	17.6#

Manual Integrations
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#44

Trichloroethene

Concen: 0.827 ug/l

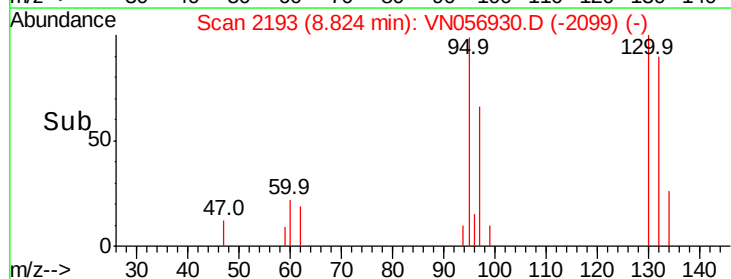
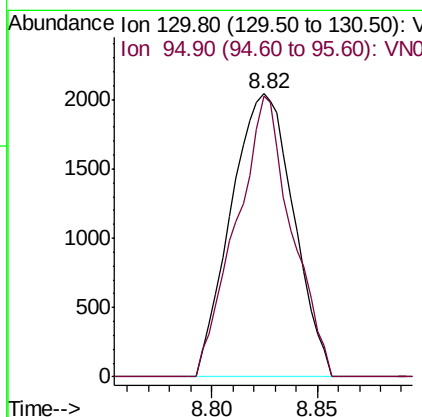
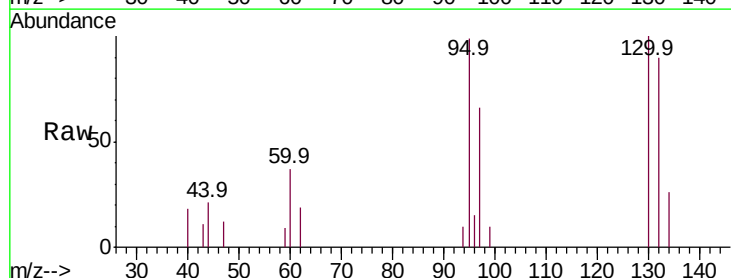
RT: 8.82 min Scan# 2193

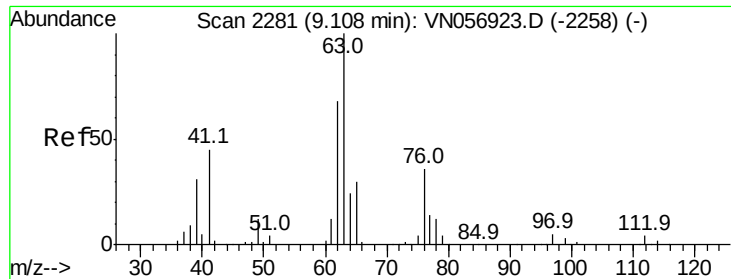
Delta R.T. 0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Tgt Ion:	130	Resp:	4200
Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	187.6





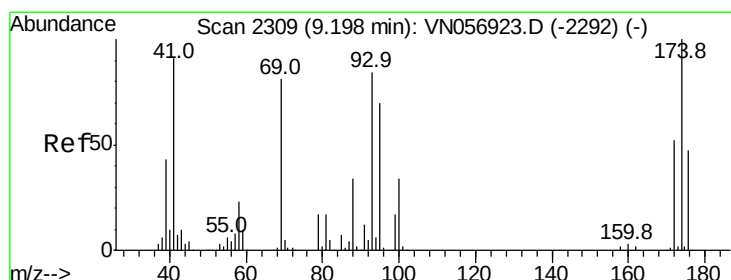
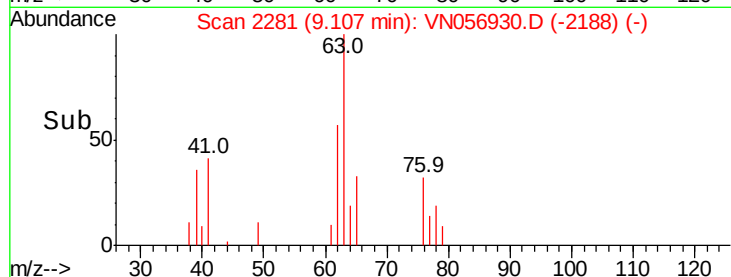
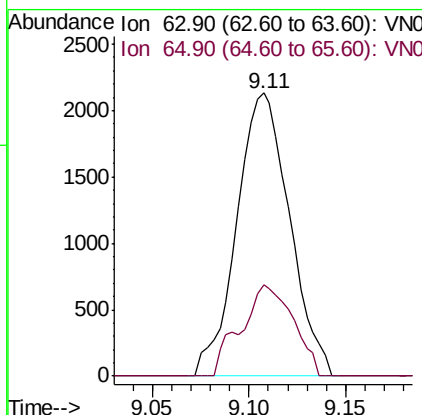
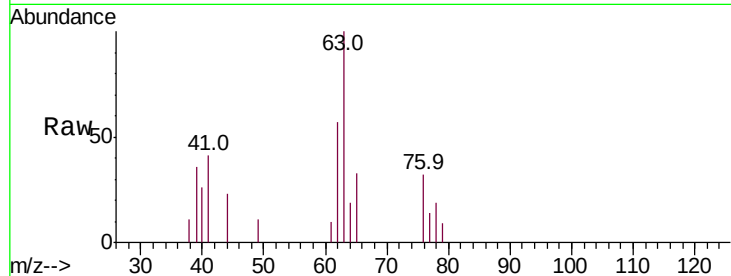
#45
 1,2-Dichloropropane
 Concen: 0.809 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN056930.D
 Acq: 25 Jul 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion: 63 Resp: 4049
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.5 36.7

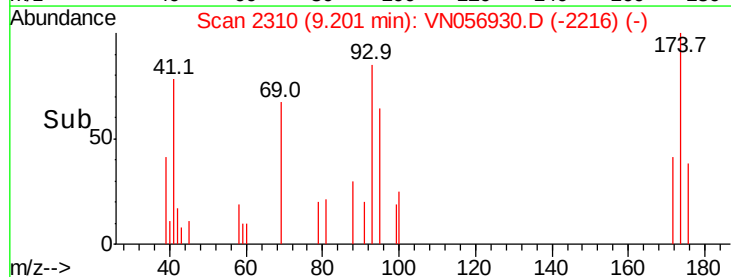
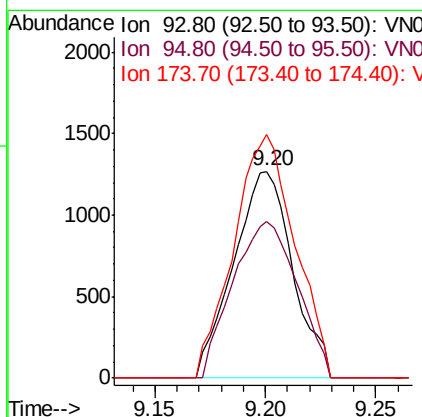
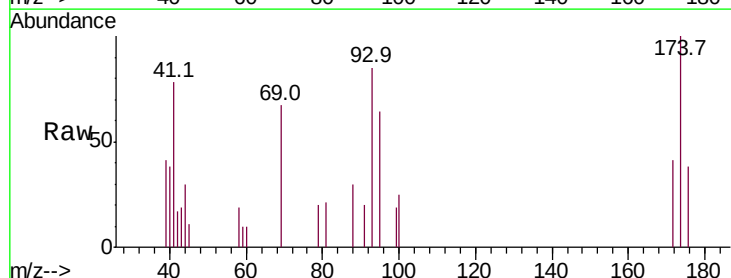
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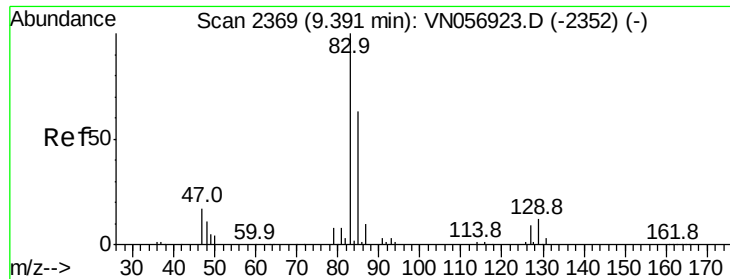
MMDadoda
 7/26/2019 3:37:35 PM



#46
 Dibromomethane
 Concen: 0.782 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056930.D
 Acq: 25 Jul 2019 19:41

Tgt Ion: 93 Resp: 2357
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.8 100.2
 174 121.7 92.9 139.3





#47

Bromodichloromethane

Concen: 0.776 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

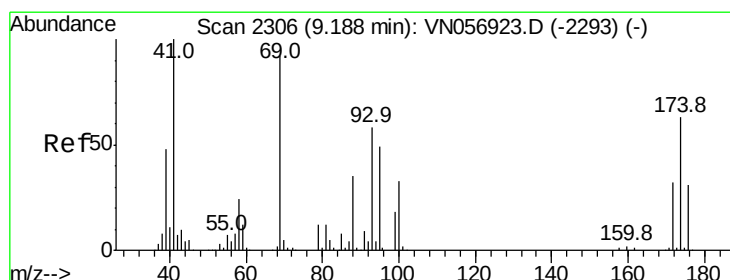
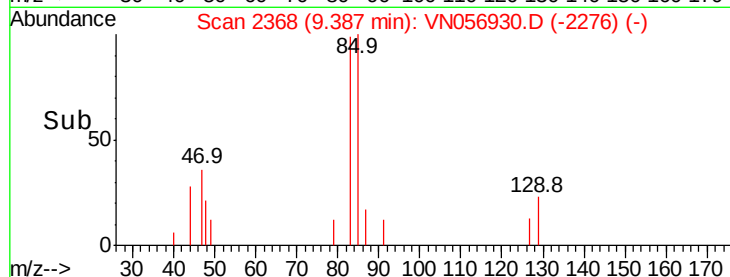
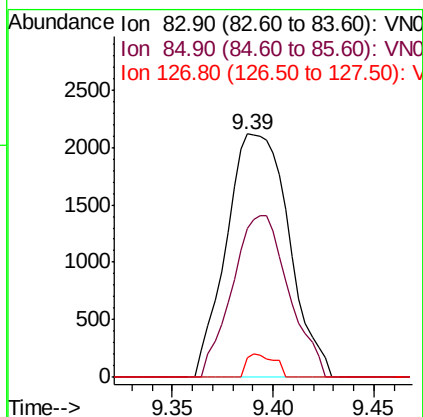
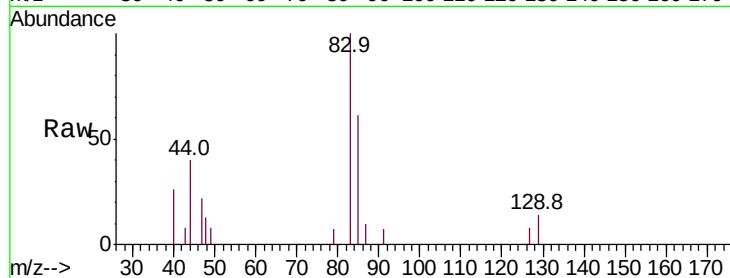
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	83	Resp:	4573
Ion	Ratio	Lower	Upper
83	100		
85	60.9	50.5	75.7
127	8.1	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 0.787 ug/l

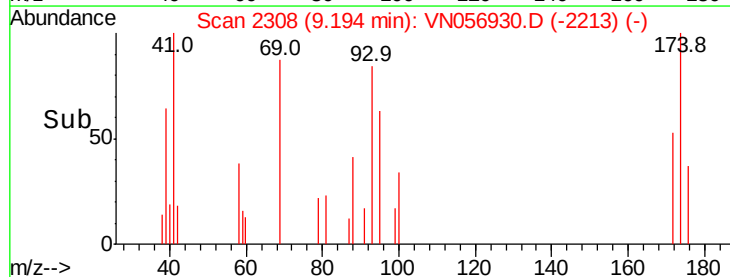
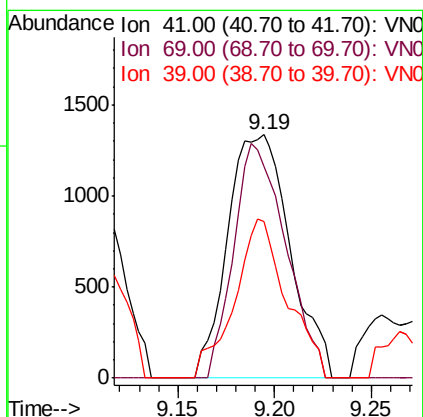
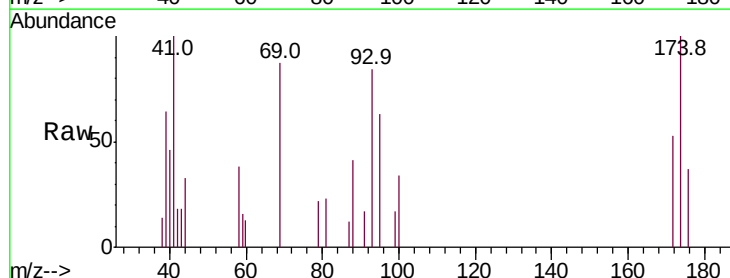
RT: 9.19 min Scan# 2308

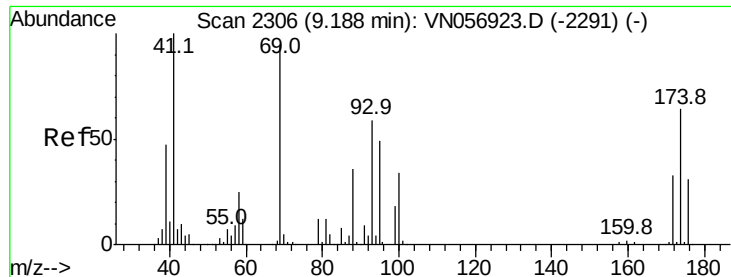
Delta R.T. 0.01 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Tgt Ion:	41	Resp:	3005
Ion	Ratio	Lower	Upper
41	100		
69	80.4	73.4	110.0
39	55.0	40.1	60.1





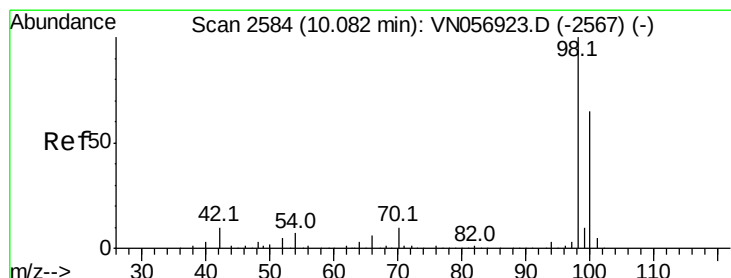
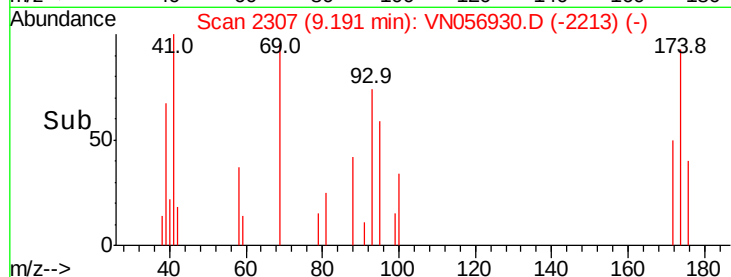
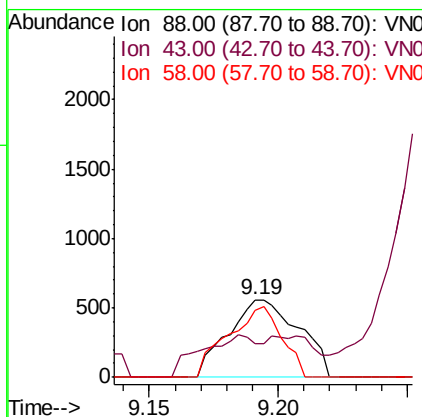
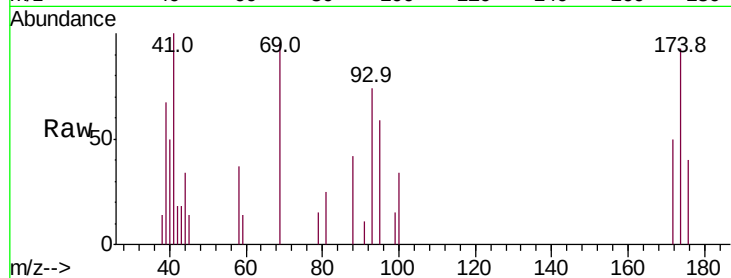
#49
1,4-Dioxane
Concen: 13.301 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.0	21.1	31.7#
58	69.1	52.5	78.7

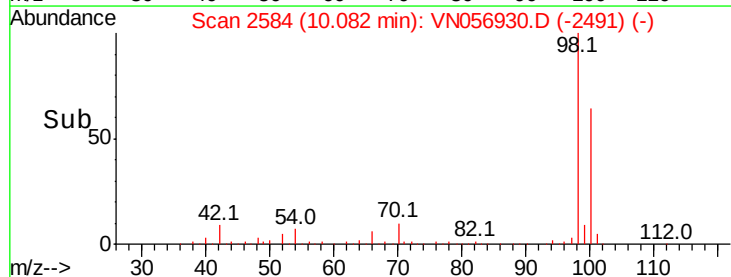
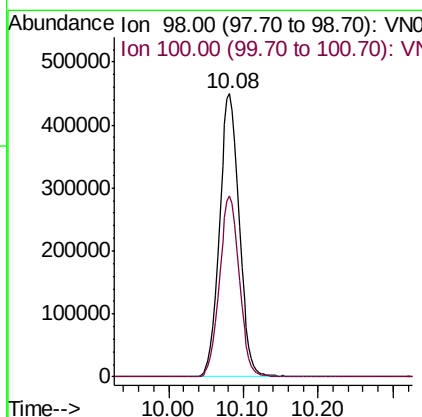
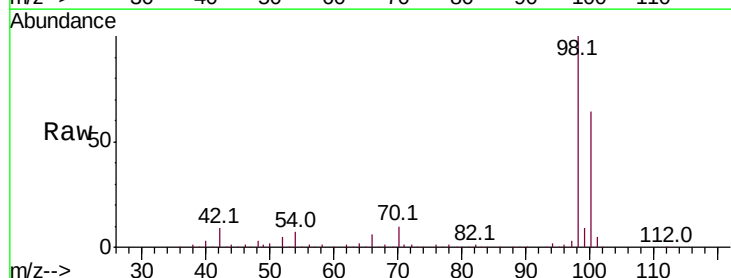
Manual Integrations
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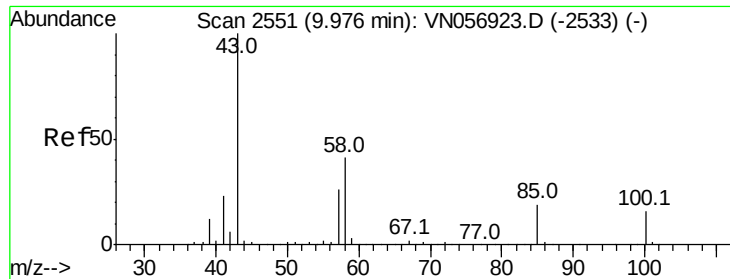
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#50
Toluene-d8
Concen: 52.103 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 3.929 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 18593

Ion Ratio Lower Upper

43 100

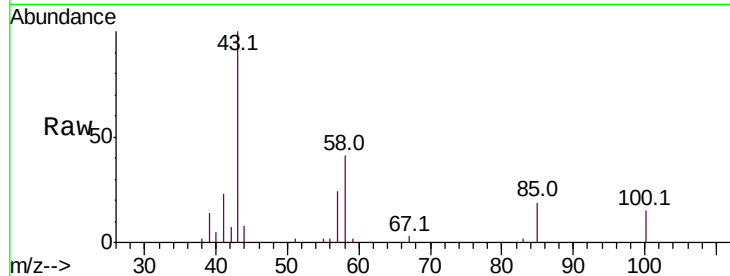
58 37.1 32.8 49.2

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

10000

8000

6000

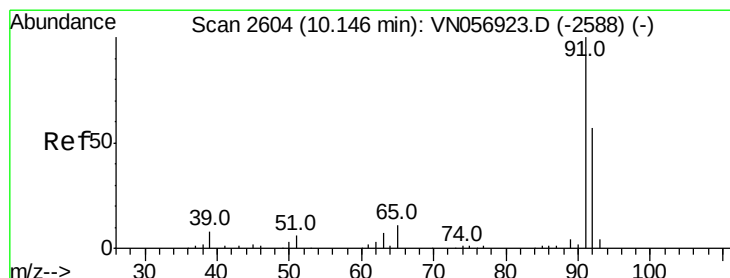
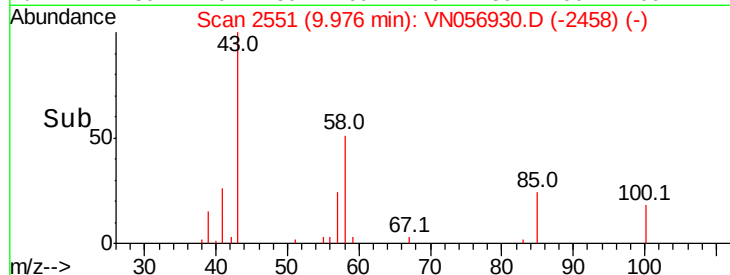
4000

2000

0

Time-->

9.90 9.95 10.00 10.05



#52

Toluene

Concen: 0.869 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN056930.D

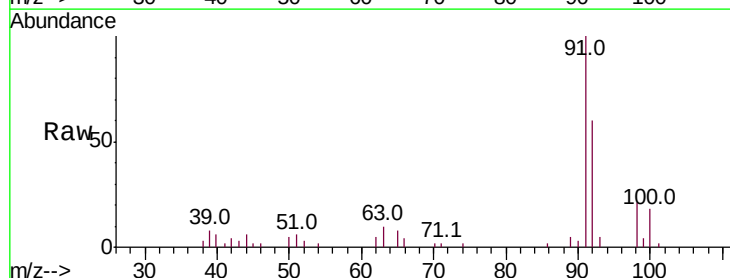
Acq: 25 Jul 2019 19:41

Tgt Ion: 92 Resp: 9701

Ion Ratio Lower Upper

92 100

91 155.4 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

10000

8000

6000

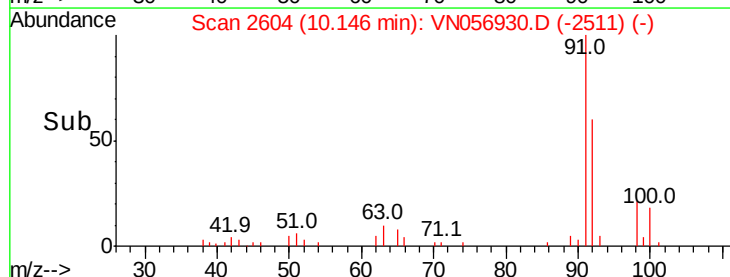
4000

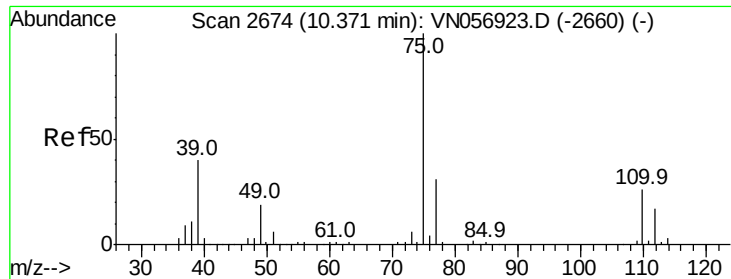
2000

0

Time-->

10.10 10.15 10.20





#53

t-1,3-Dichloropropene

Concen: 0.696 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 75 Resp: 4134

Ion Ratio Lower Upper

75 100

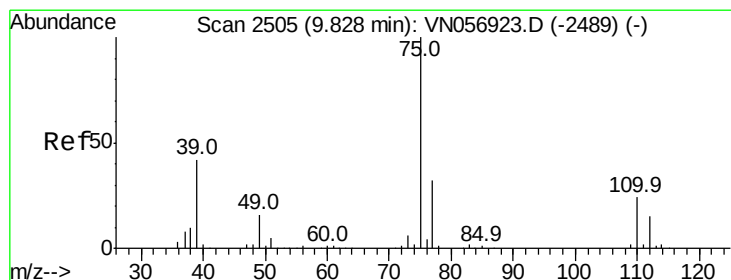
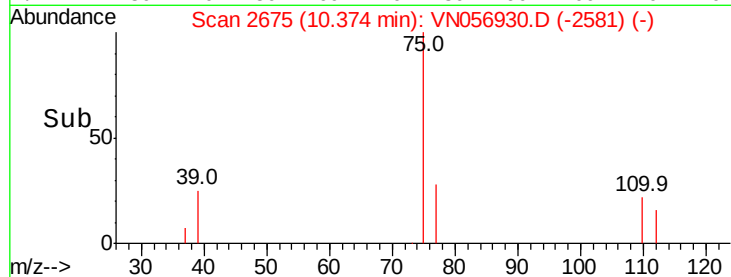
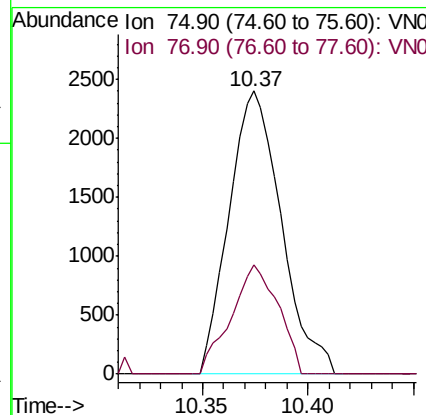
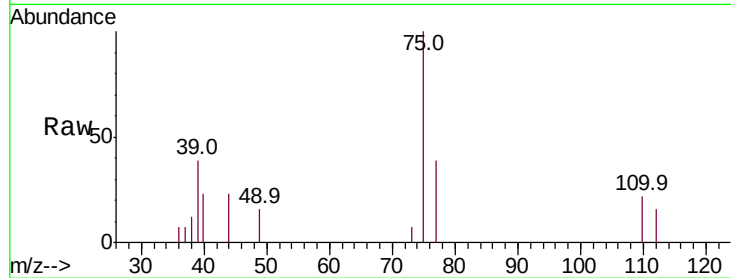
77 38.5 25.0 37.6#

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#54

cis-1,3-Dichloropropene

Concen: 0.640 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

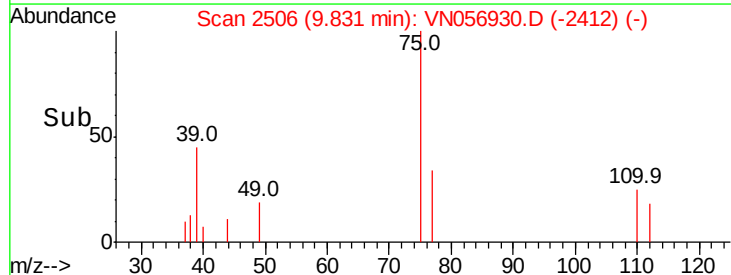
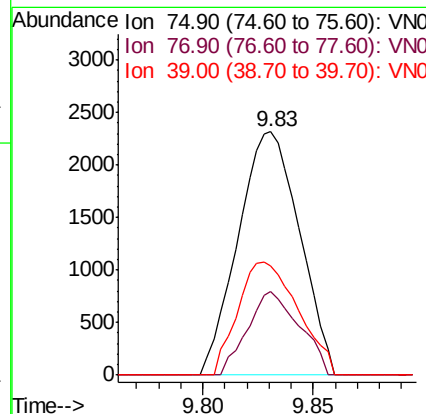
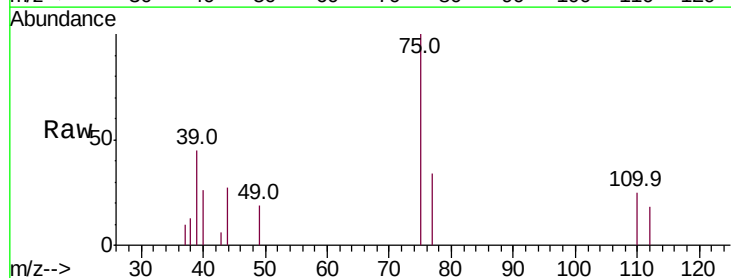
Tgt Ion: 75 Resp: 4473

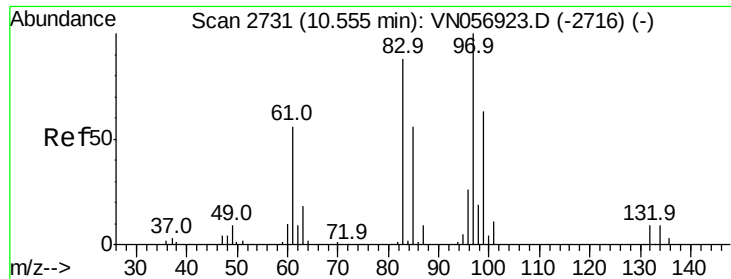
Ion Ratio Lower Upper

75 100

77 34.4 25.4 38.0

39 45.1 33.4 50.0





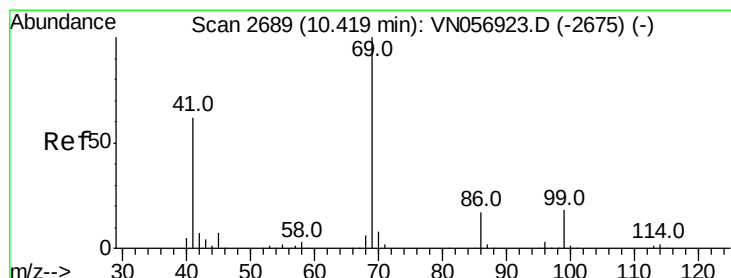
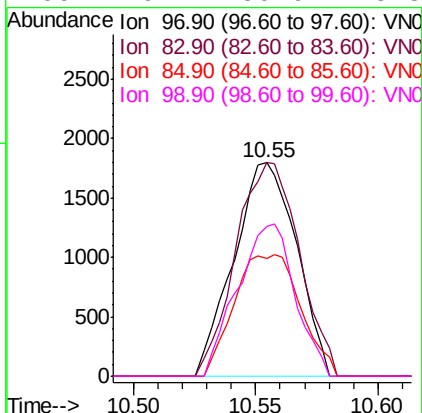
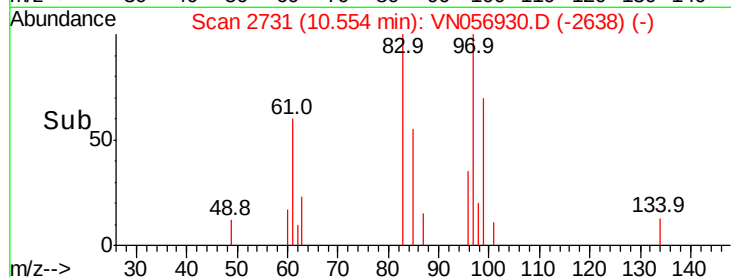
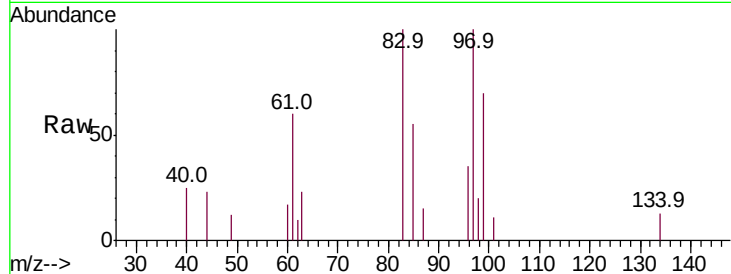
#55
1,1,2-Trichloroethane
Concen: 0.716 ug/l
RT: 10.55 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
97	100		
83	100.0	70.1	105.1
85	54.9	45.1	67.7
99	70.2	50.6	75.8

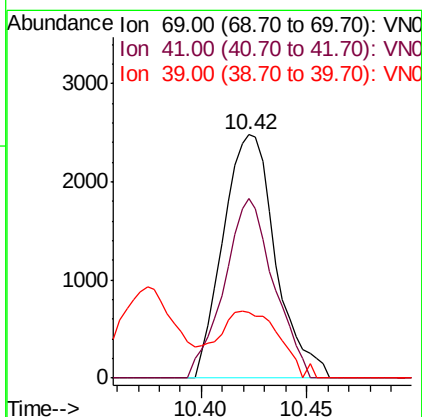
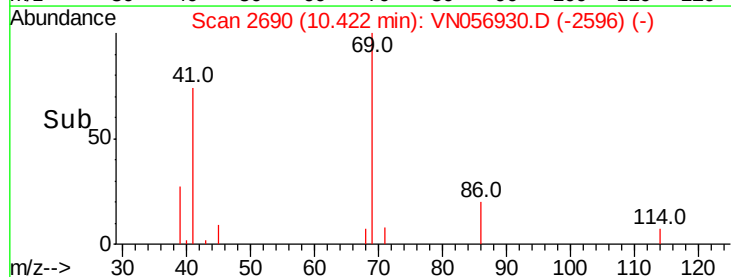
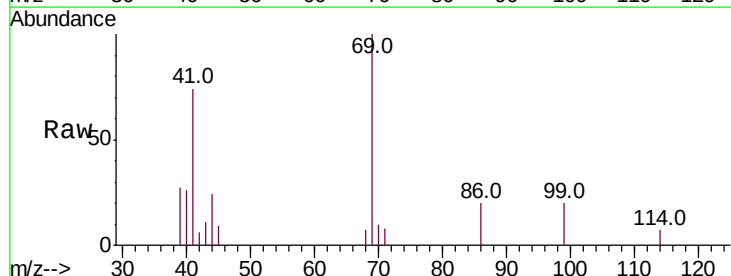
Manual Integrations
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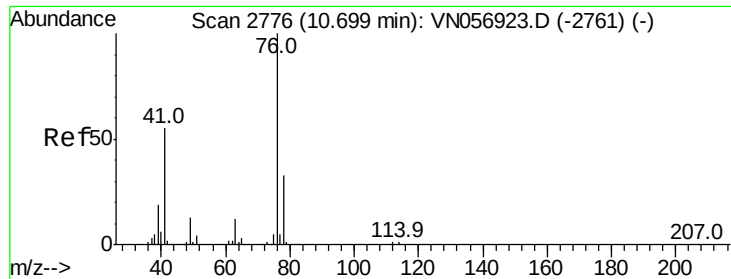
MMDadoda
7/26/2019 3:37:35 PM



#56
Ethyl methacrylate
Concen: 0.712 ug/l
RT: 10.42 min Scan# 2690
Delta R.T. 0.00 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.4	49.7	74.5
39	30.3	23.6	35.4





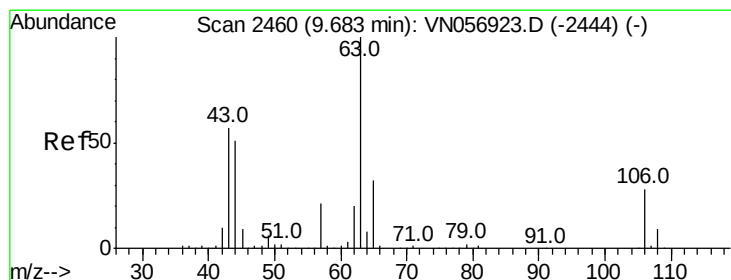
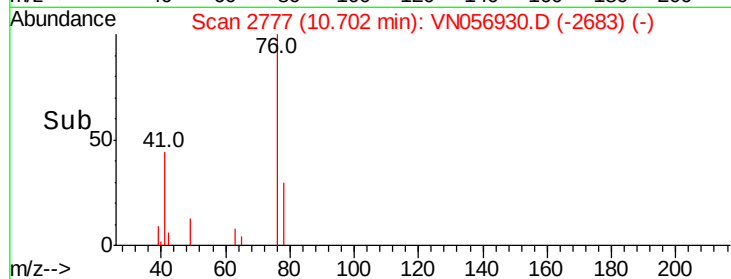
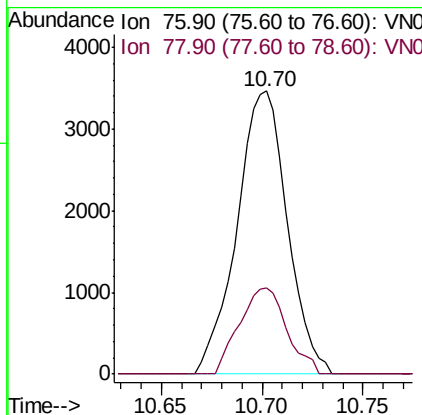
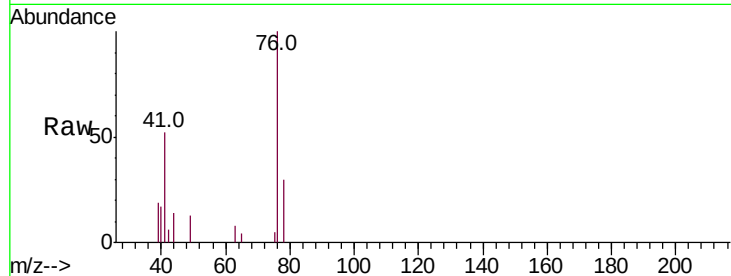
#57
 1,3-Dichloropropane
 Concen: 0.827 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN056930.D
 Acq: 25 Jul 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion: 76 Resp: 6054
 Ion Ratio Lower Upper
 76 100
 78 28.7 25.8 38.8

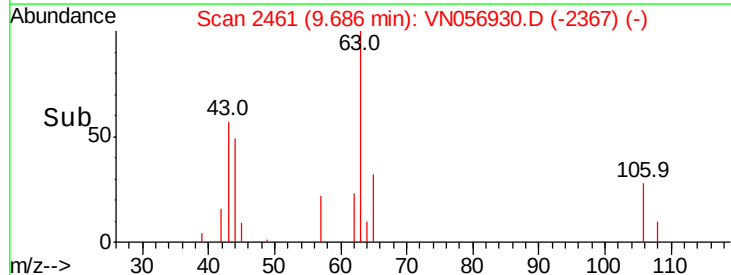
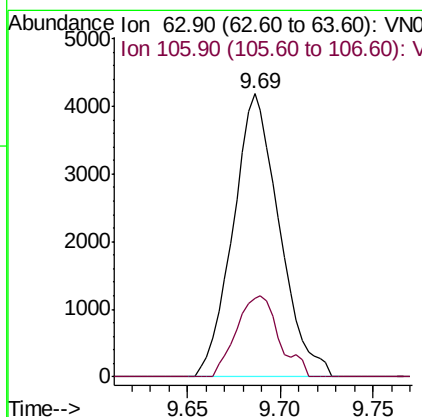
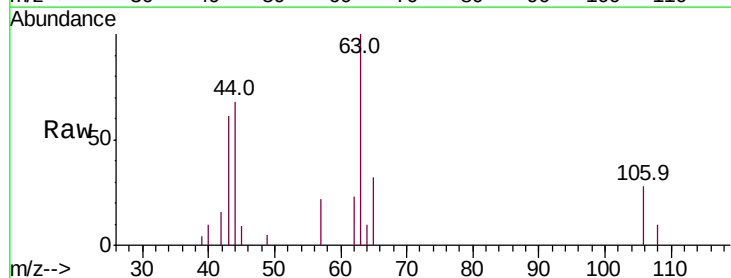
Manual Integrations
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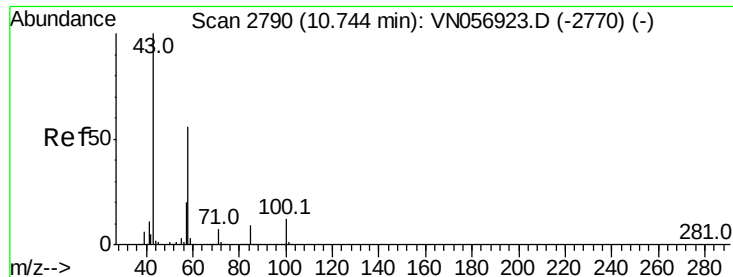
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 3.057 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN056930.D
 Acq: 25 Jul 2019 19:41

Tgt Ion: 63 Resp: 7248
 Ion Ratio Lower Upper
 63 100
 106 26.3 22.2 33.4





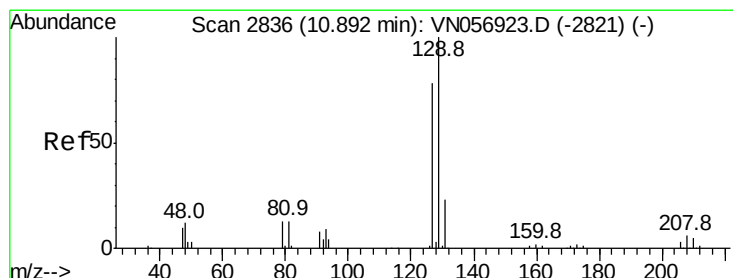
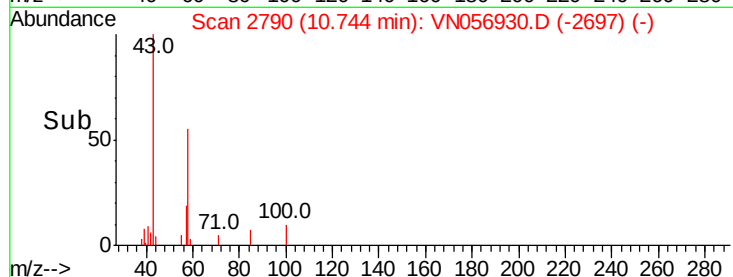
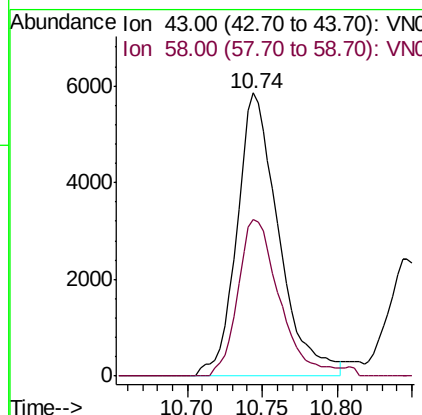
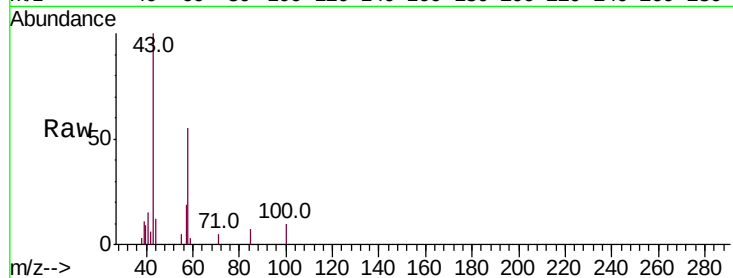
#59
2-Hexanone
Concen: 3.507 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	43.00	Resp	11378
Ion Ratio	100	Lower	Upper
43	100		
58	55.1	28.2	84.6

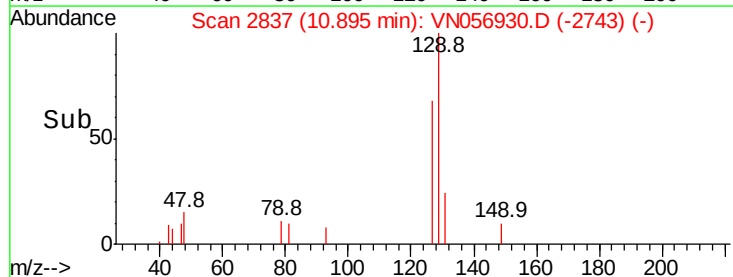
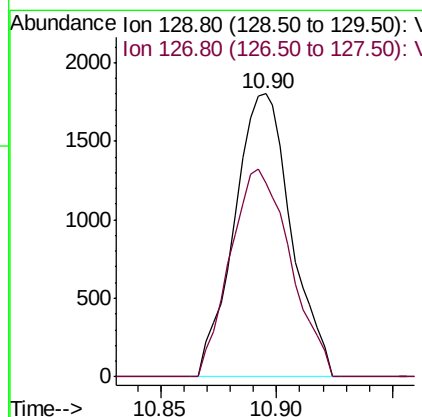
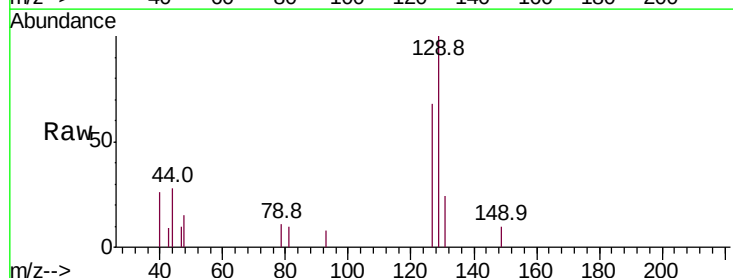
Manual Integrations
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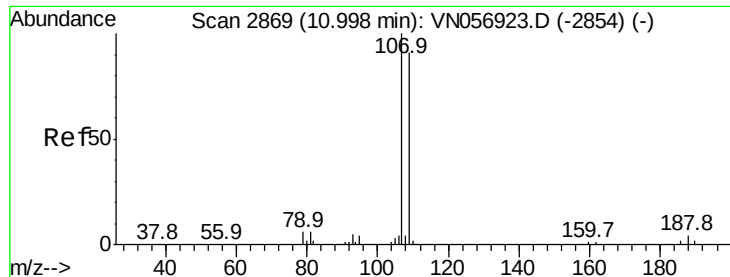
MMDadoda
7/26/2019 3:37:35 PM



#60
Dibromochloromethane
Concen: 0.675 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Tgt Ion	129	Resp	3069
Ion Ratio	100	Lower	Upper
129	100		
127	77.6	38.4	115.2





#61

1,2-Dibromoethane

Concen: 0.776 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:107 Resp: 3448

Ion Ratio Lower Upper

107 100

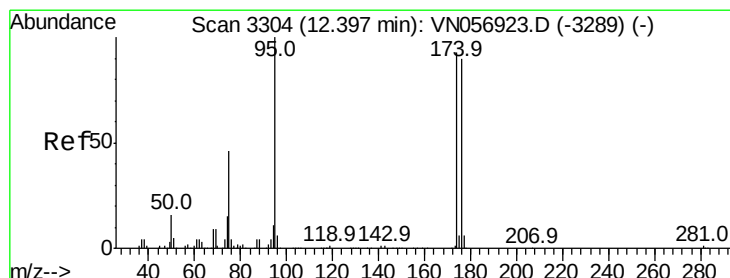
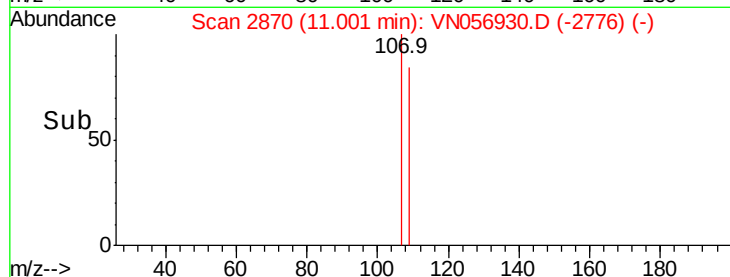
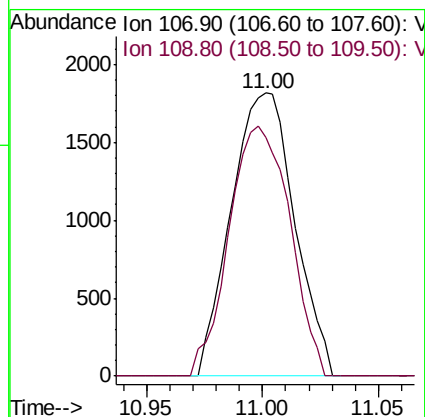
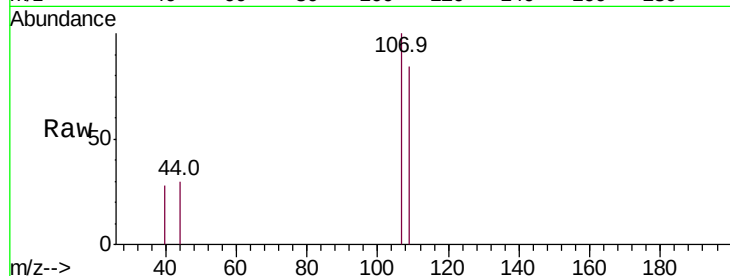
109 84.6 74.8 112.2

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 41.936 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

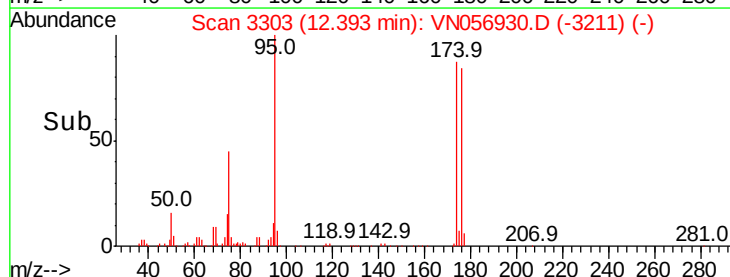
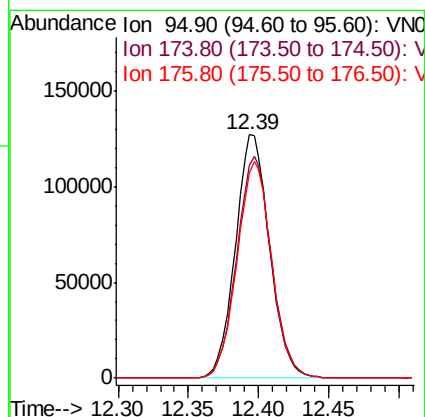
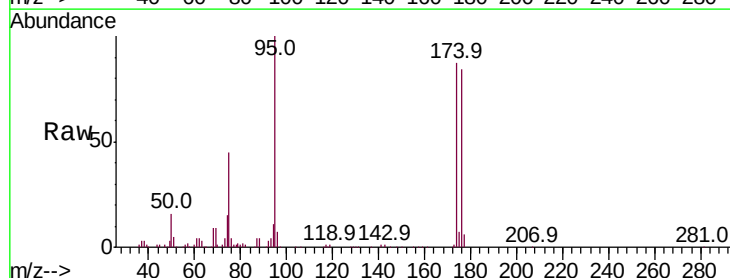
Tgt Ion: 95 Resp: 216611

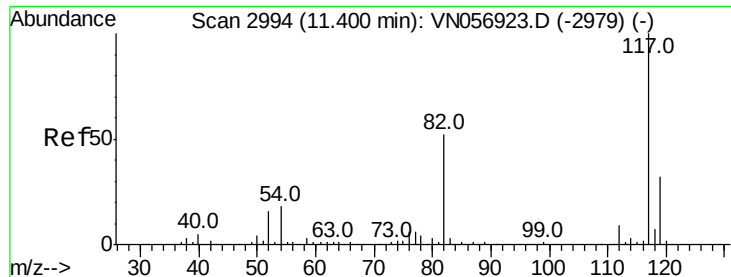
Ion Ratio Lower Upper

95 100

174 92.3 0.0 186.2

176 89.8 0.0 179.6





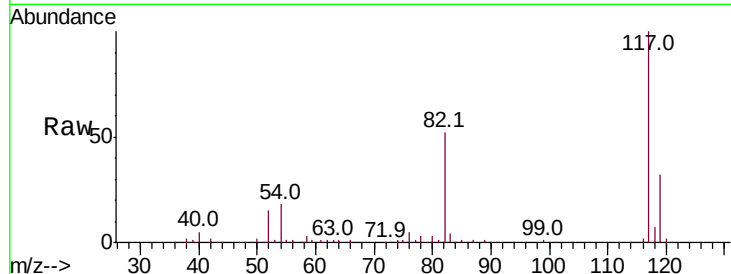
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	41.7	62.5
119	31.9	25.5	38.3

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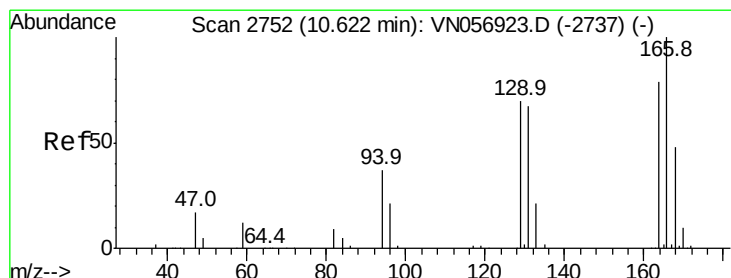
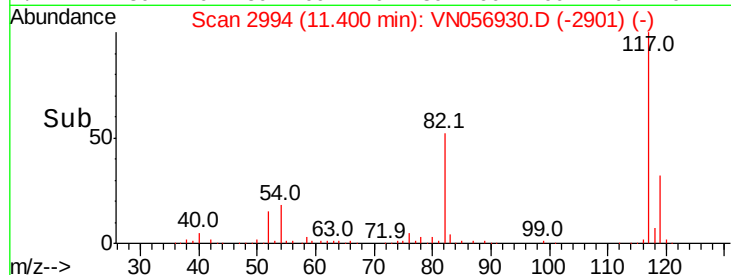
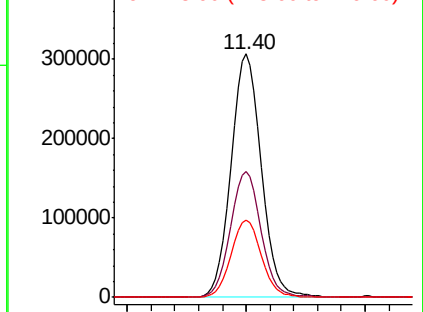


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 0.877 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.8	101.6	152.4
129	104.0	70.9	106.3
131	80.1	68.4	102.6

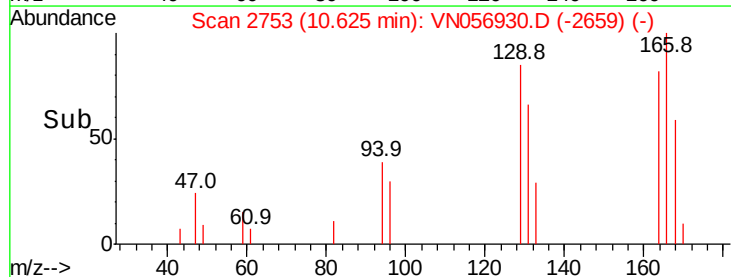
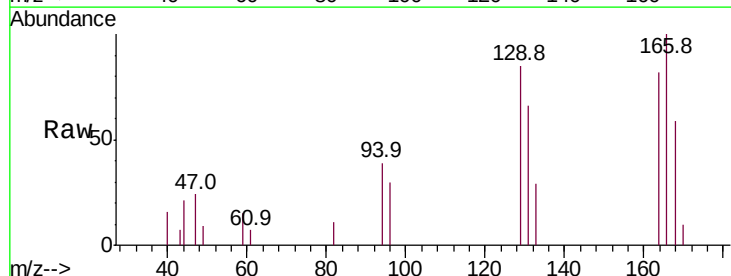
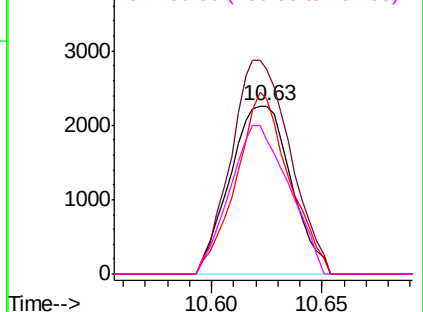
Abundance

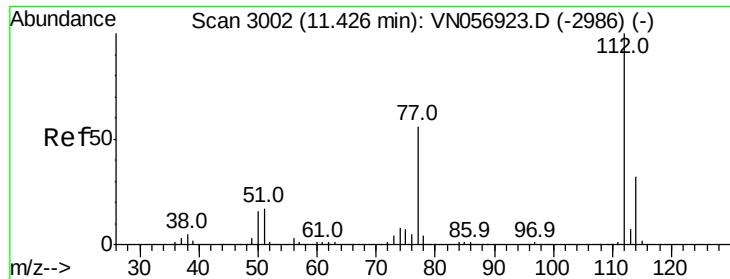
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





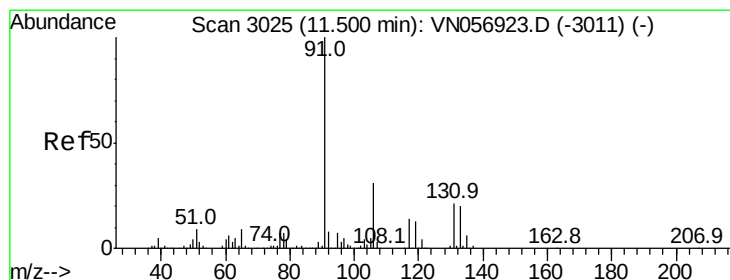
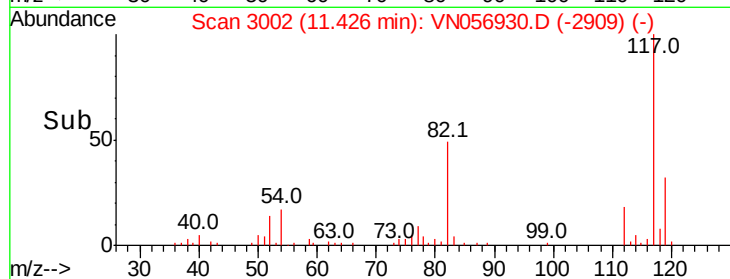
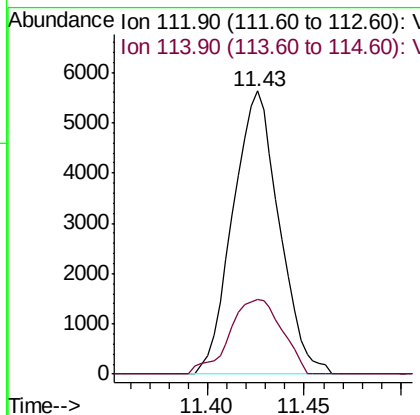
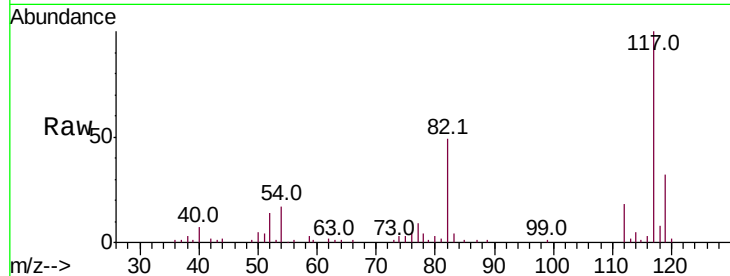
#65
Chlorobenzene
Concen: 0.827 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion:112 Resp: 9371
Ion Ratio Lower Upper
112 100
114 26.5 25.8 38.8

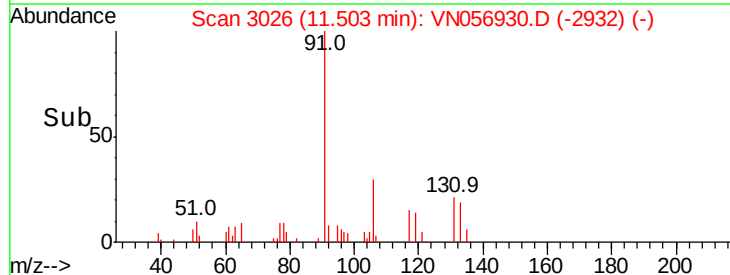
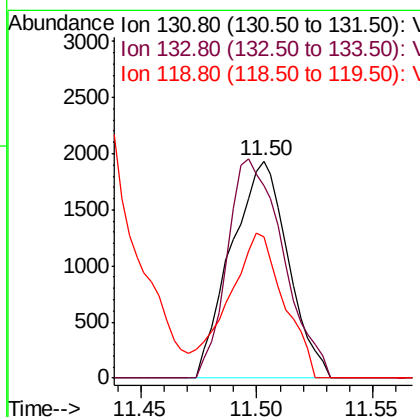
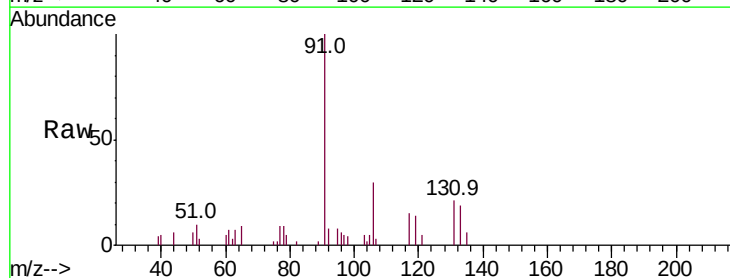
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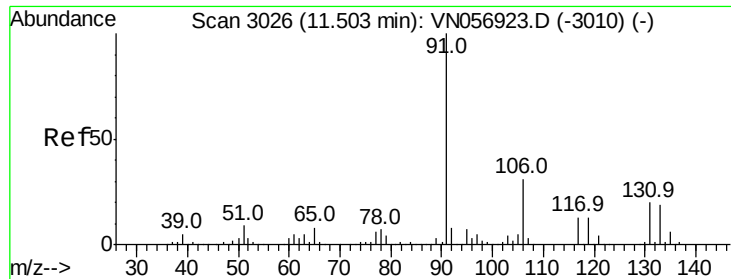
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 0.784 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Tgt Ion:131 Resp: 3301
Ion Ratio Lower Upper
131 100
133 99.5 47.1 141.4
119 0.0 32.6 98.0#





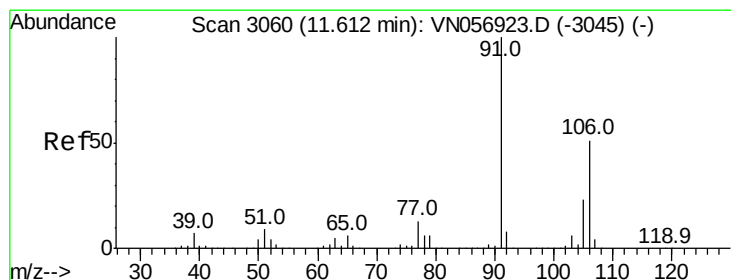
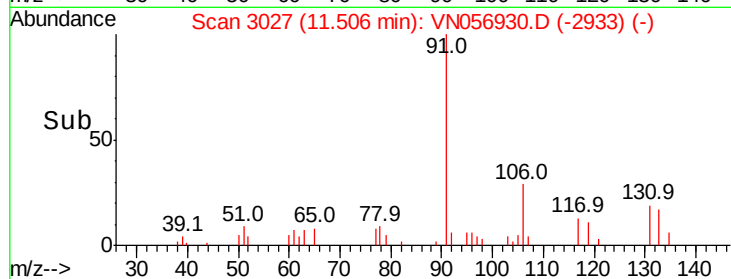
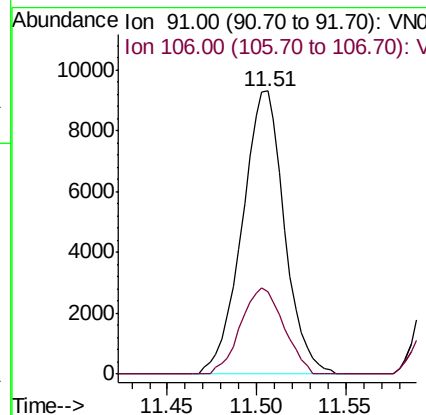
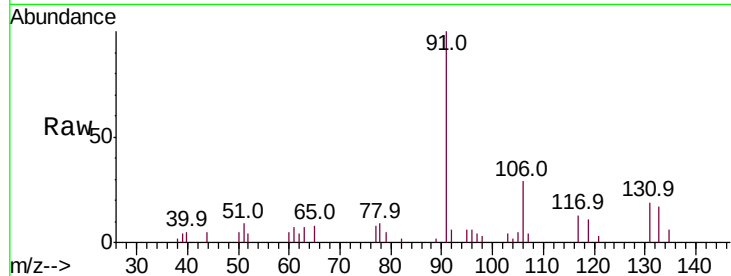
#67
Ethyl Benzene
Concen: 0.789 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 91 Resp: 15376
Ion Ratio Lower Upper
91 100
106 28.9 24.9 37.3

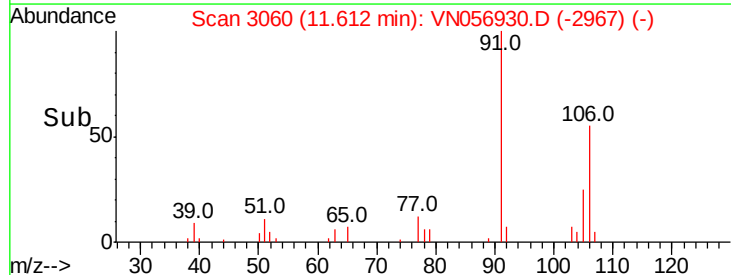
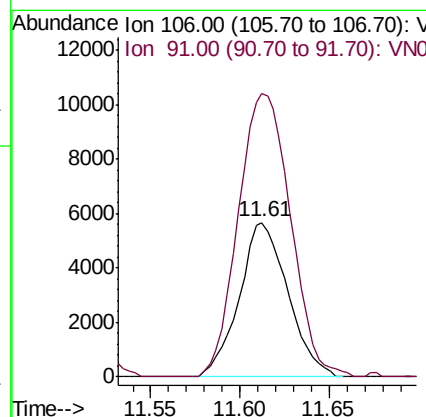
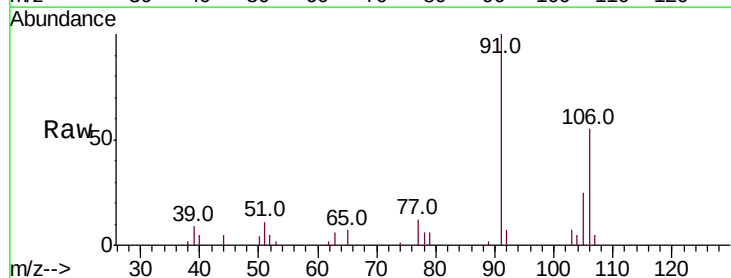
Manual Integrations
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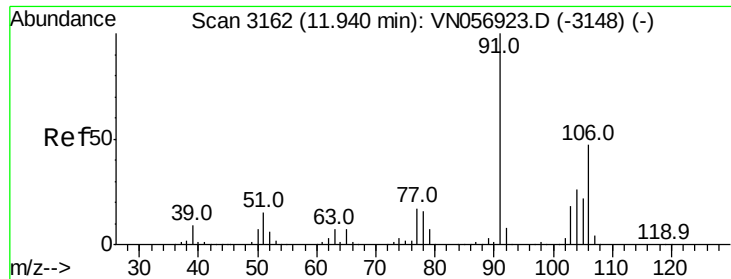
MMDadoda
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#68
m/p-Xylenes
Concen: 1.486 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Tgt Ion: 106 Resp: 10802
Ion Ratio Lower Upper
106 100
91 197.3 159.6 239.4





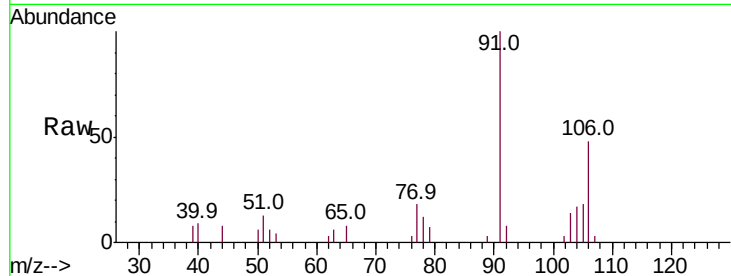
#69
o-Xylene
Concen: 0.757 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

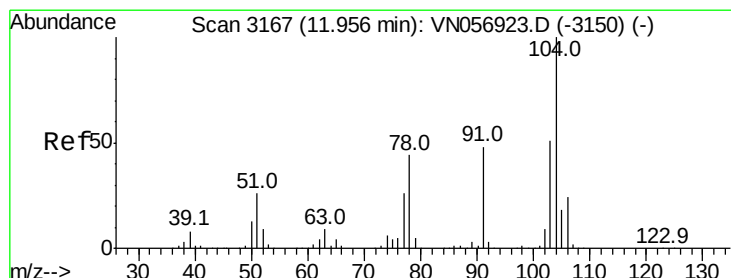
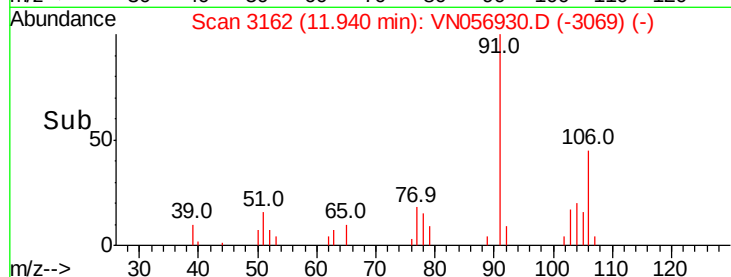
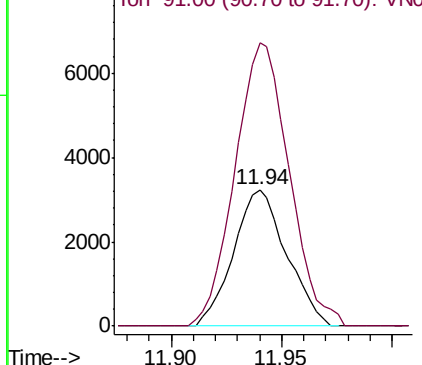
Tot Ion:106 Resp: 5388
Ion Ratio Lower Upper
106 100
91 212.5 105.7 317.0

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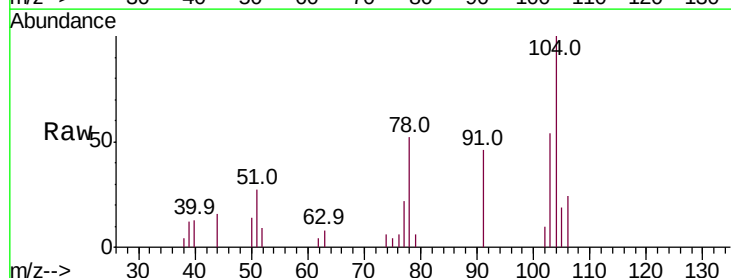


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

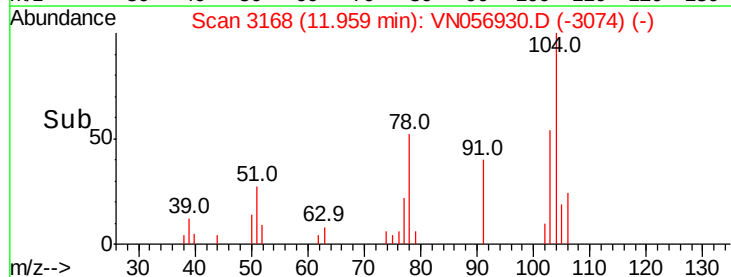
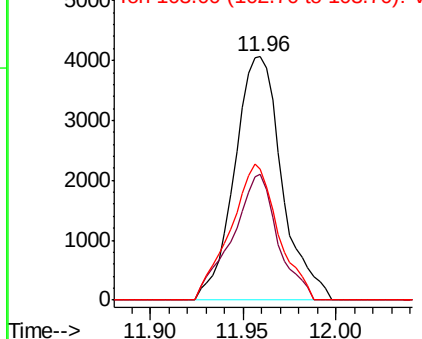


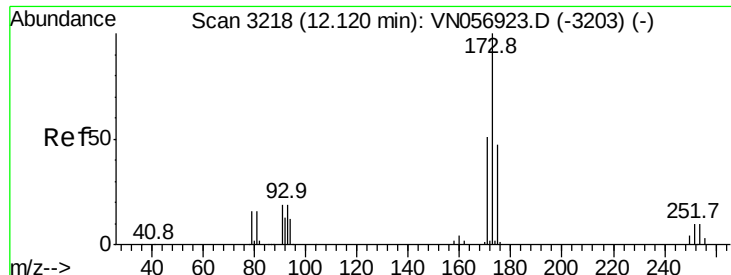
#70
Styrene
Concen: 0.641 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Tgt Ion:104 Resp: 7227
Ion Ratio Lower Upper
104 100
78 49.6 38.5 57.7
103 56.2 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





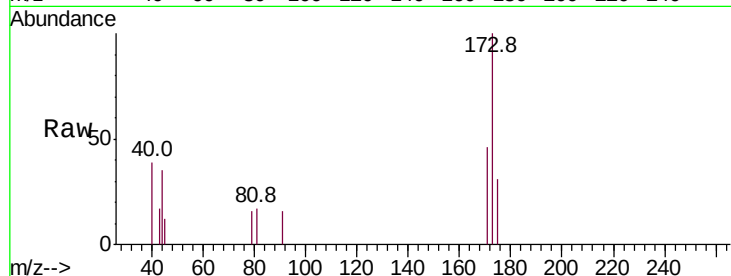
#71
Bromoform
Concen: 0.700 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

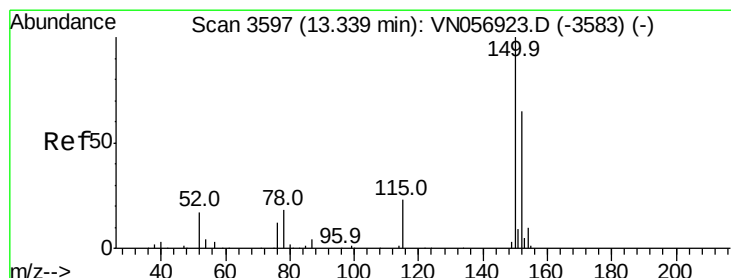
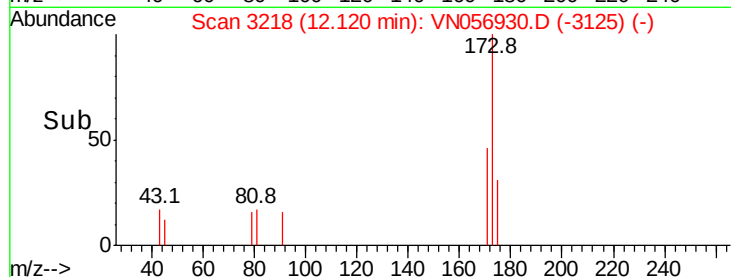
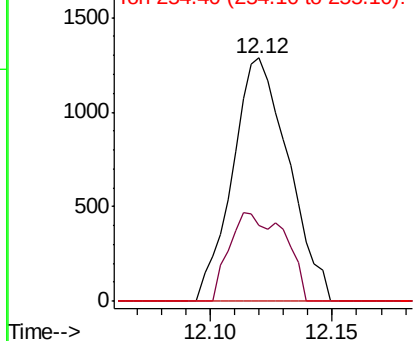
Tot Ion:173 Resp: 2047
Ion Ratio Lower Upper
173 100
175 36.1 24.2 72.6
254 0.0 0.1 0.1#

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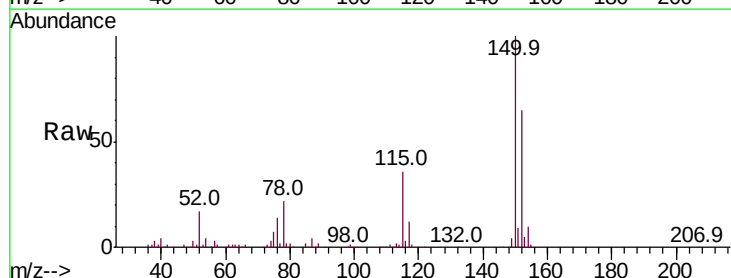


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

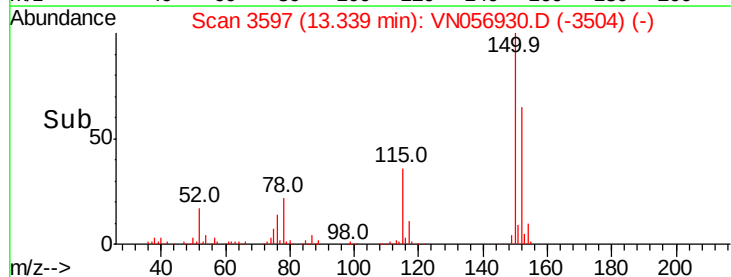
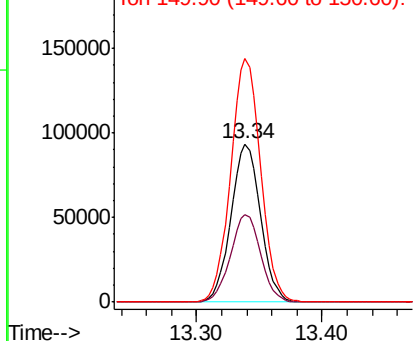


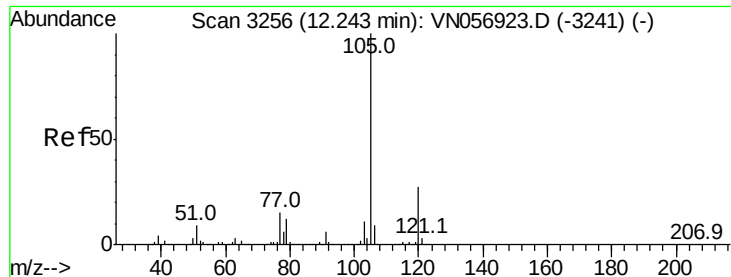
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN056930.D
Acq: 25 Jul 2019 19:41

Tgt Ion:152 Resp: 152869
Ion Ratio Lower Upper
152 100
115 56.2 27.9 83.7
150 156.0 0.0 354.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.991 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:105 Resp: 13786

Ion Ratio Lower Upper

105 100

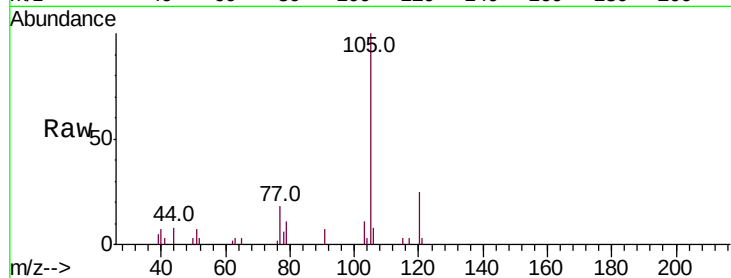
120 24.8 13.4 40.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

8000

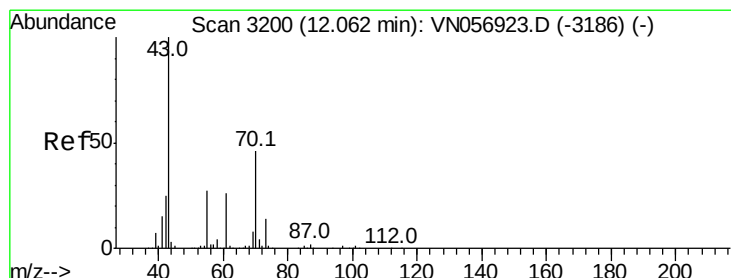
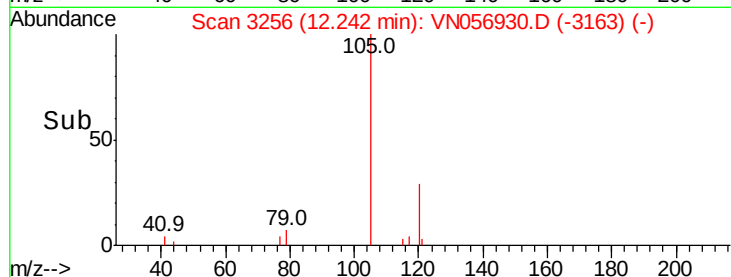
6000

4000

2000

0

Time--> 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 0.967 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Tgt Ion: 43 Resp: 3949

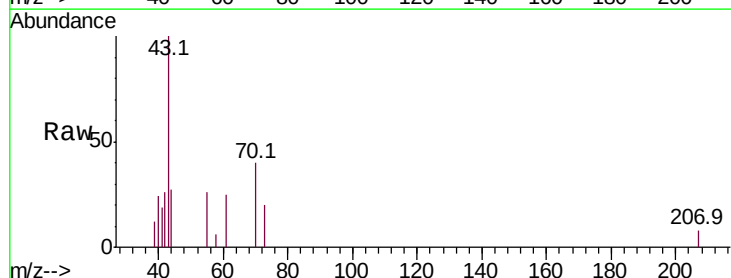
Ion Ratio Lower Upper

43 100

70 34.1 35.9 53.9#

55 25.5 21.4 32.2

61 20.8 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

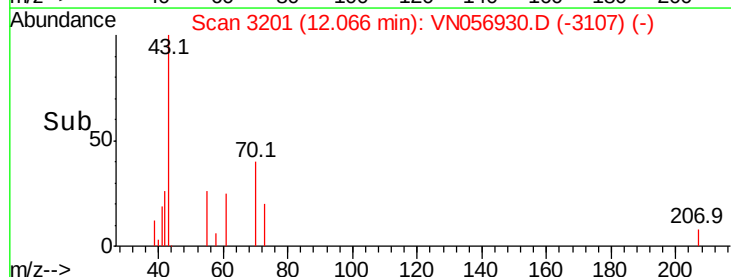
3000

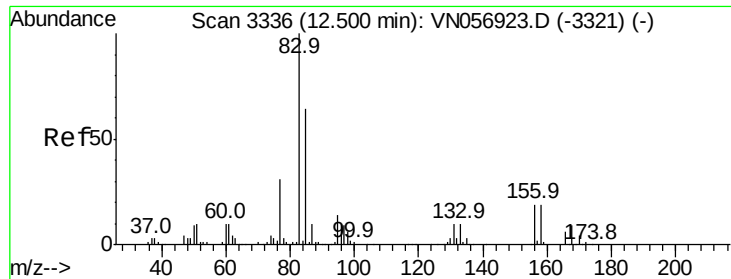
2000

1000

0

Time--> 12.00 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 1.014 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

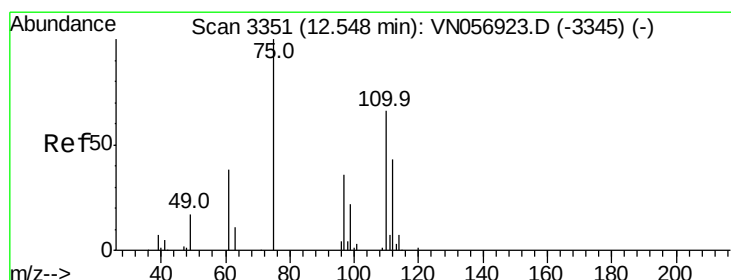
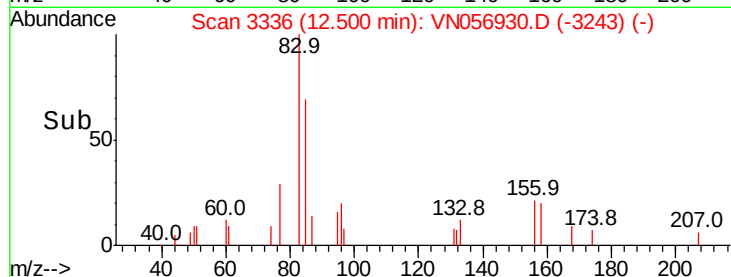
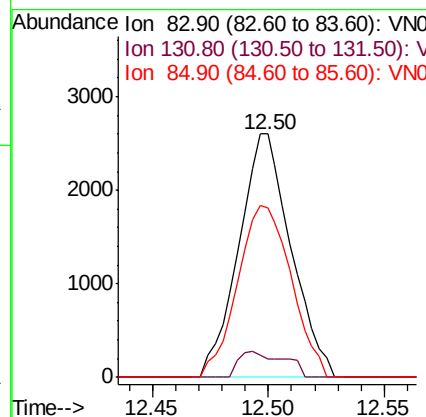
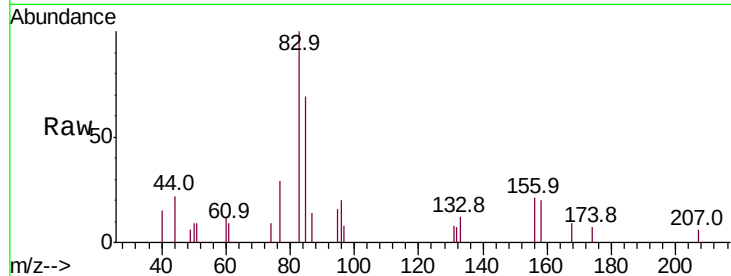
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	83	Resp:	4066
Ion Ratio	Lower	Upper	
83	100		
131	9.1	5.3	15.8
85	72.3	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 1.350 ug/l m

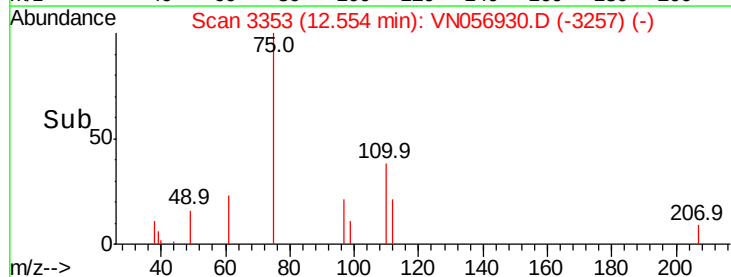
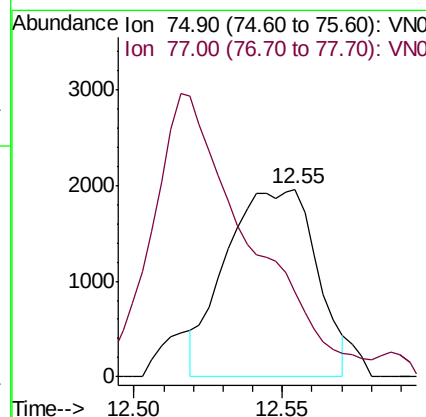
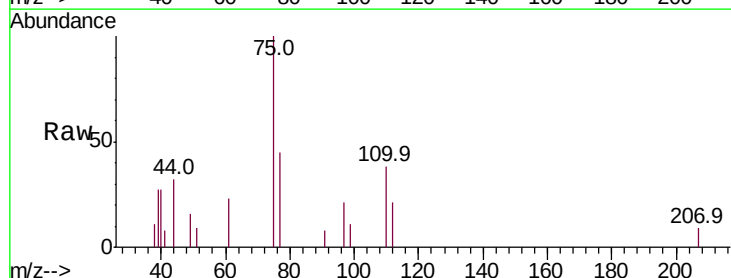
RT: 12.55 min Scan# 3353

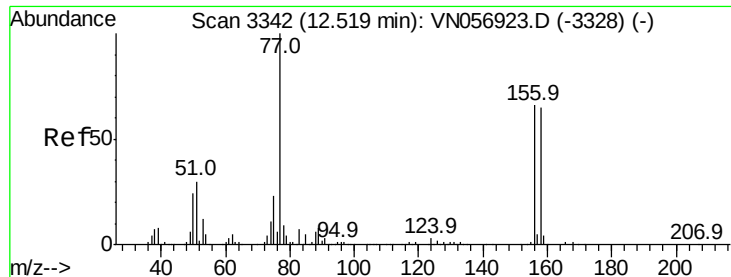
Delta R.T. 0.01 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Tgt Ion:	75	Resp:	4132
Ion Ratio	Lower	Upper	
75	100		
77	27.2	0.0	0.0#





#77

Bromobenzene

Concen: 1.002 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

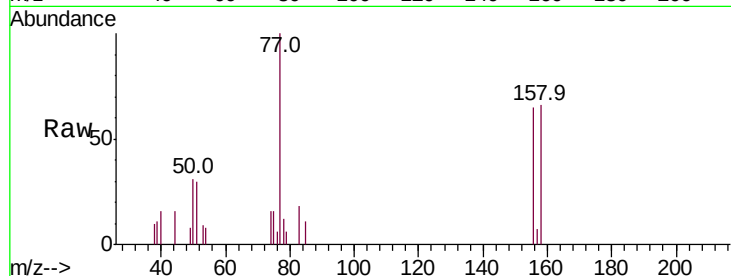
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

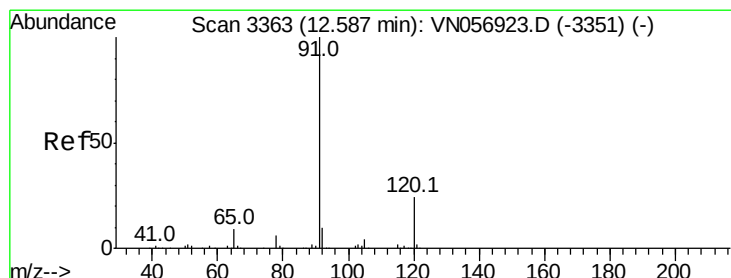
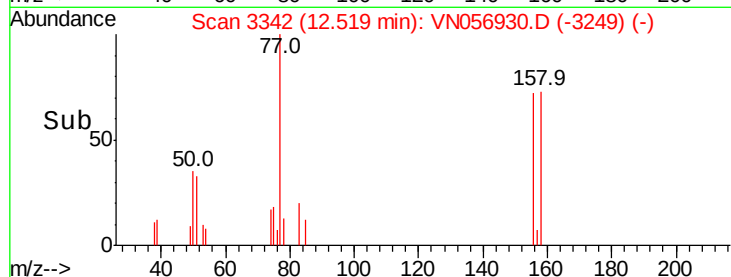
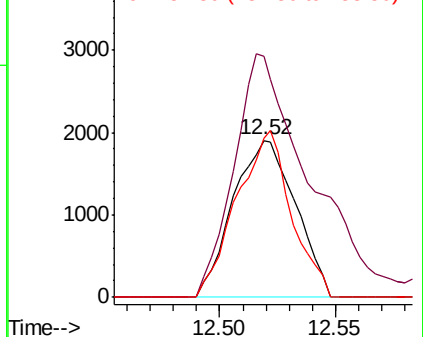
Tot Ion:	156	Resp:	3561
Ion Ratio	Lower	Upper	
156	100		
77	189.2	90.8	272.3
158	92.9	49.5	148.5

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



#78

n-propylbenzene

Concen: 0.926 ug/l

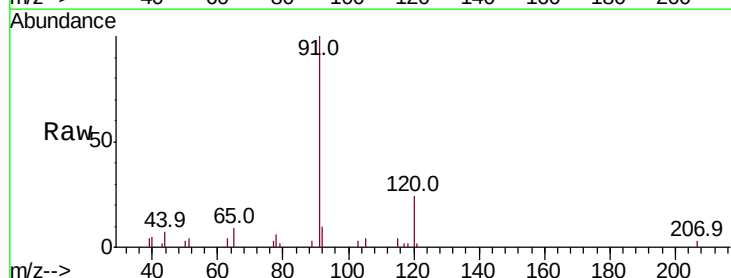
RT: 12.58 min Scan# 3362

Delta R.T. -0.00 min

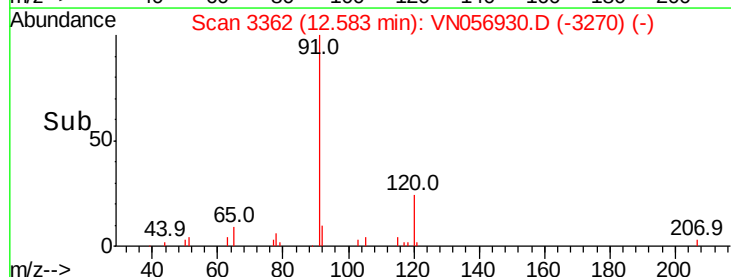
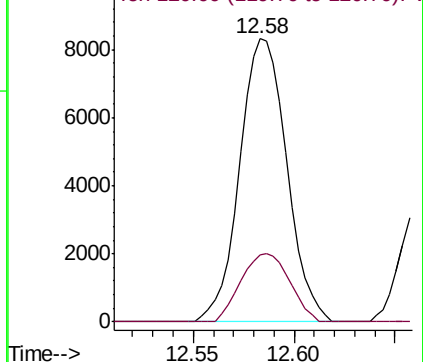
Lab File: VN056930.D

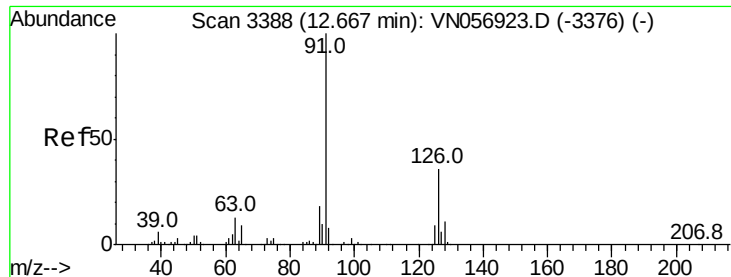
Acq: 25 Jul 2019 19:41

Tgt Ion:	91	Resp:	13606
Ion Ratio	Lower	Upper	
91	100		
120	24.8	11.9	35.7



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





#79

2-Chlorotoluene

Concen: 0.933 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 91 Resp: 8539

Ion Ratio Lower Upper

91 100

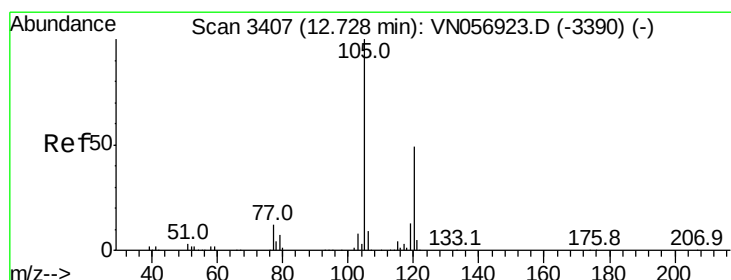
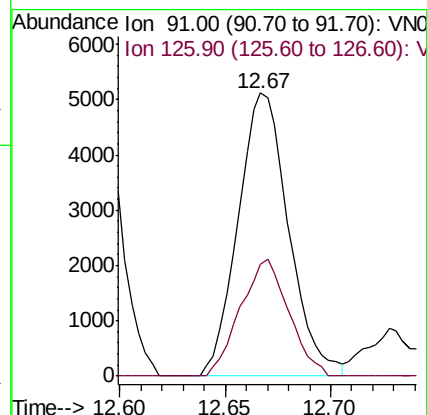
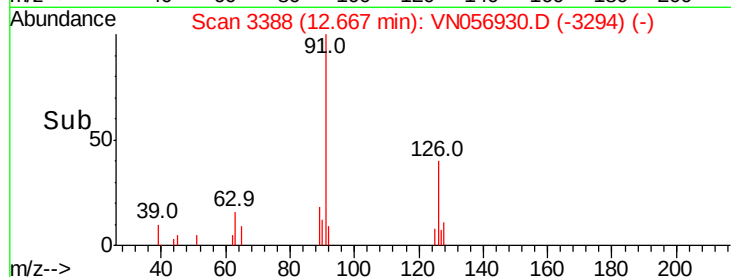
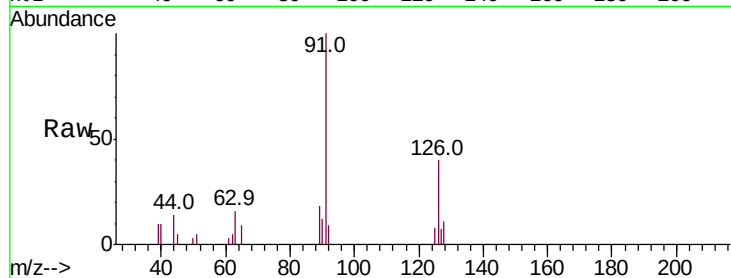
126 39.5 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 0.890 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN056930.D

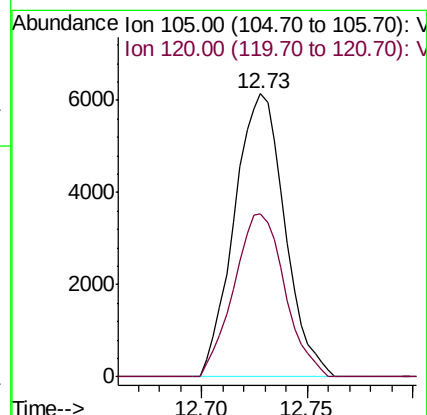
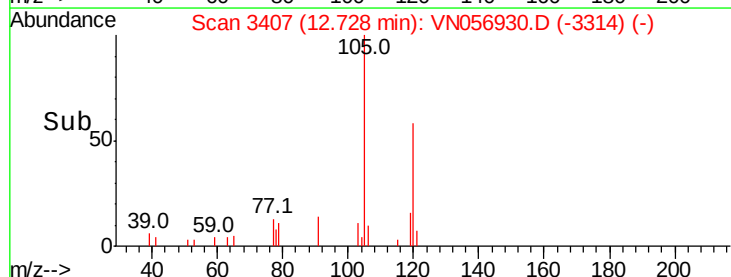
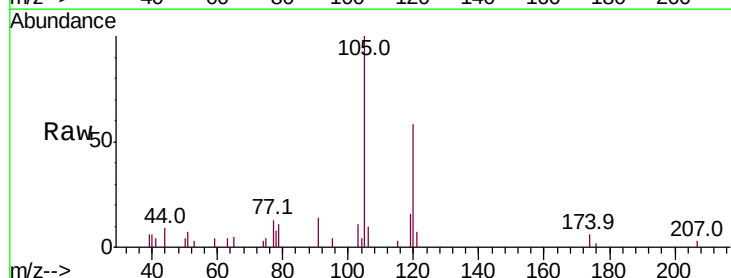
Acq: 25 Jul 2019 19:41

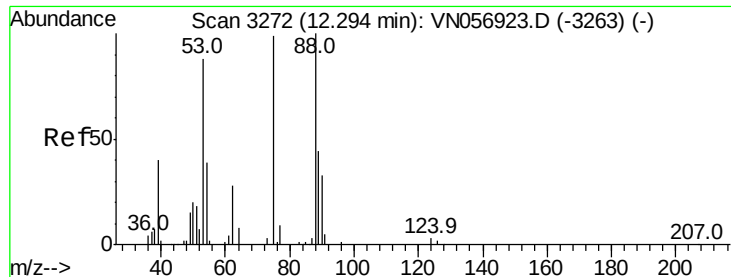
Tgt Ion: 105 Resp: 10226

Ion Ratio Lower Upper

105 100

120 58.2 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 0.770 ug/l m

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

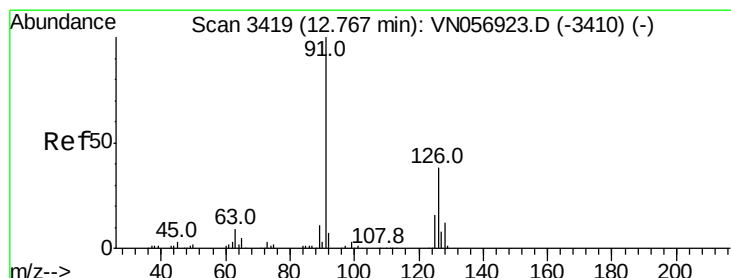
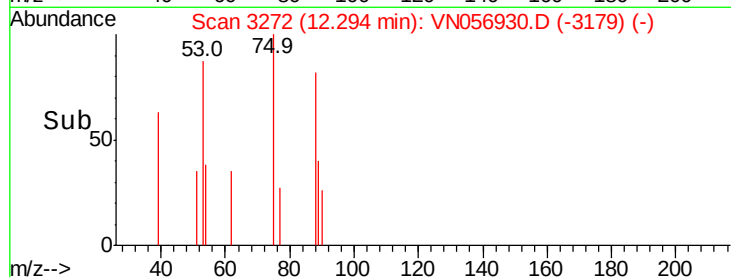
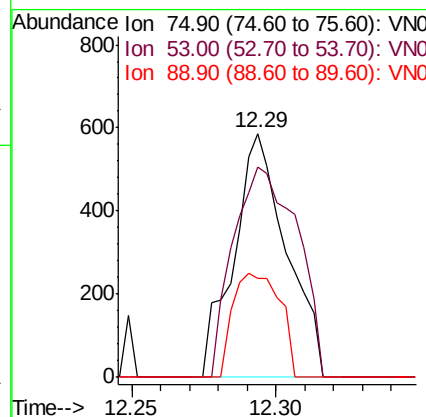
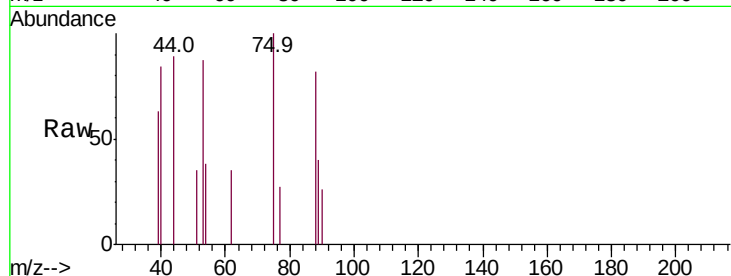
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	75	Resp:	747
Ion Ratio	Lower	Upper	
75	100		
53	0.0	72.3	108.5#
89	0.0	36.2	54.2#

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#82

4-Chlorotoluene

Concen: 0.877 ug/l

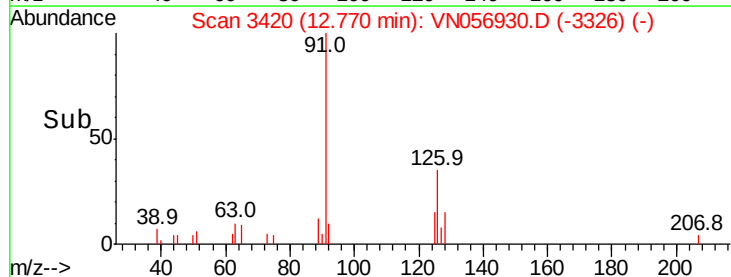
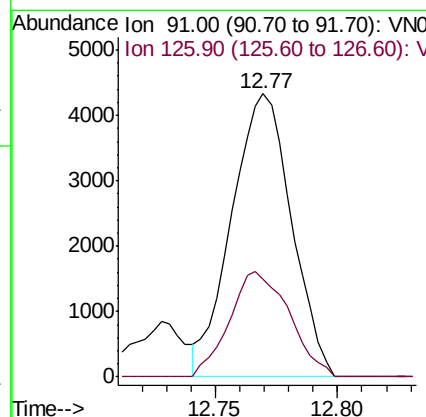
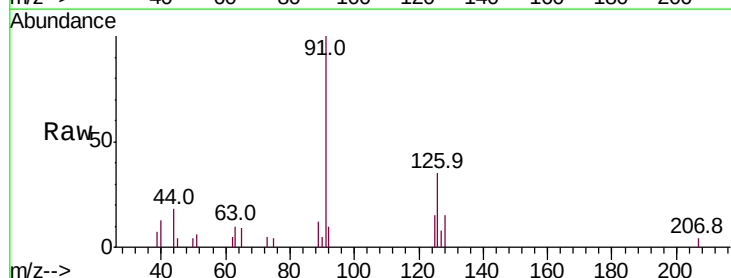
RT: 12.77 min Scan# 3420

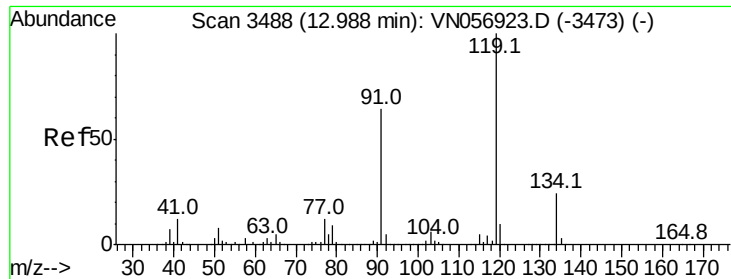
Delta R.T. 0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Tgt Ion:	91	Resp:	7368
Ion Ratio	Lower	Upper	
91	100		
126	37.2	17.3	51.7





#83

tert-Butylbenzene

Concen: 1.081 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN056930.D

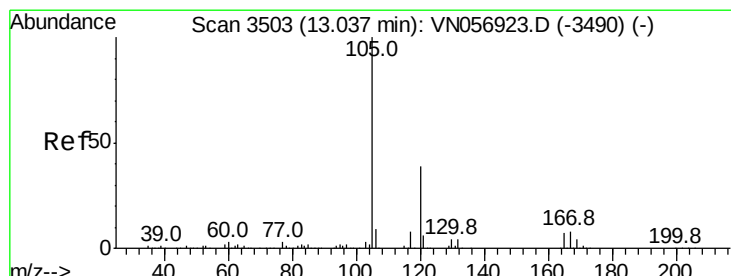
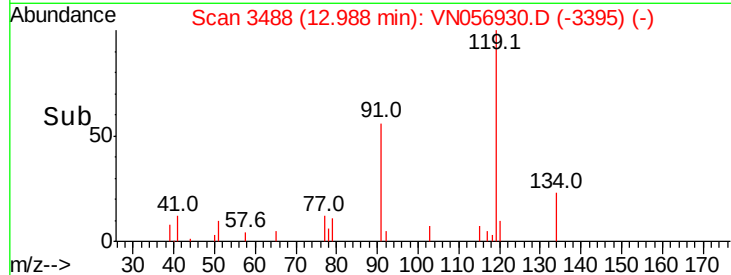
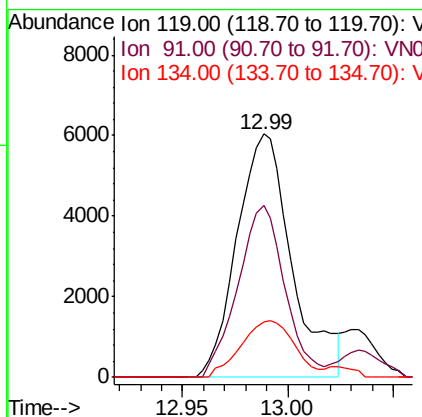
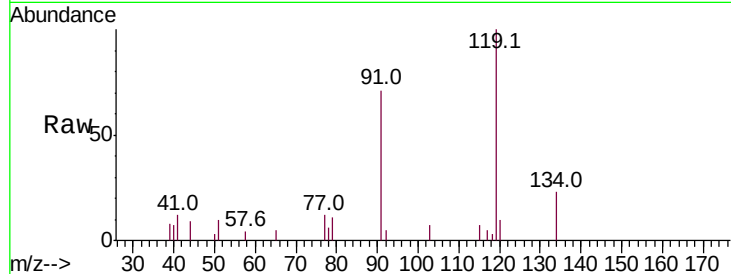
Acq: 25 Jul 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
119	100	10943		
91	60.4		31.6	95.0
134	22.5		13.2	39.5

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#84

1,2,4-Trimethylbenzene

Concen: 0.889 ug/l

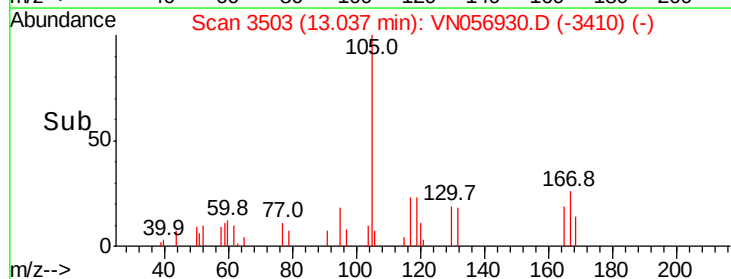
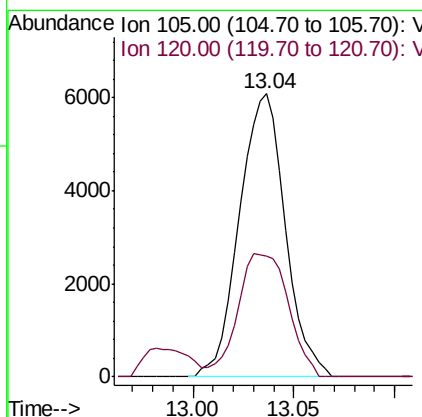
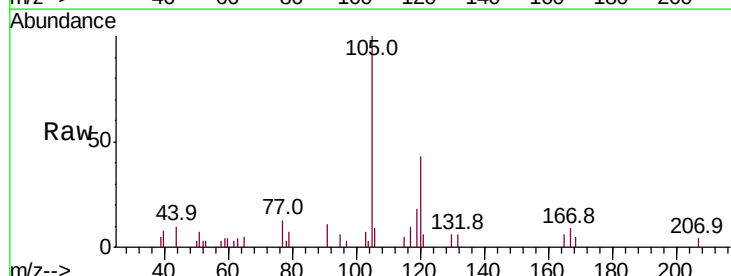
RT: 13.04 min Scan# 3503

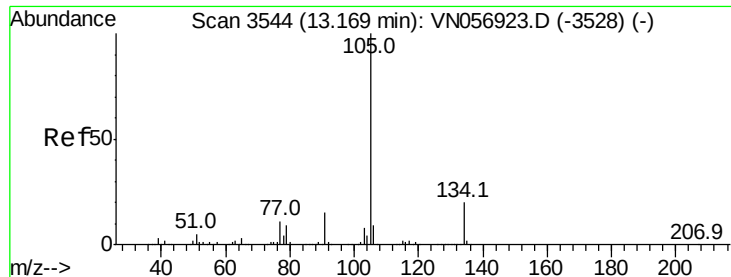
Delta R.T. -0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	9674		
120	47.8		23.1	69.2





#85

sec-Butylbenzene

Concen: 0.935 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:105 Resp: 11972

Ion Ratio Lower Upper

105 100

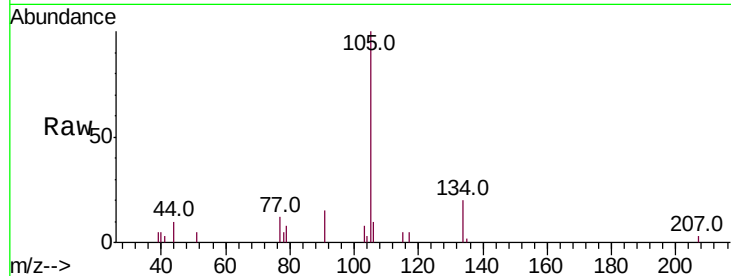
134 19.0 10.3 30.8

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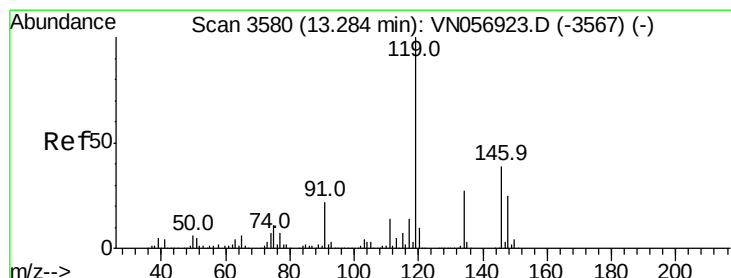
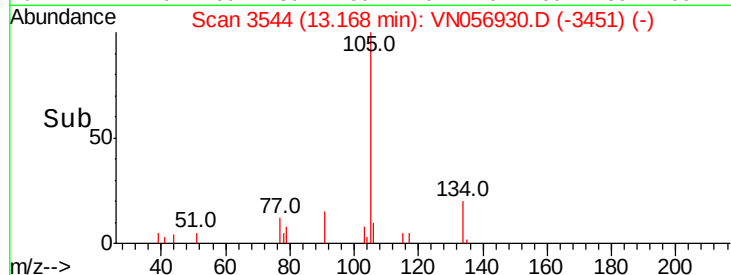
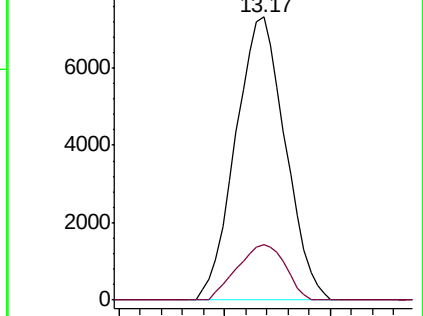
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.859 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

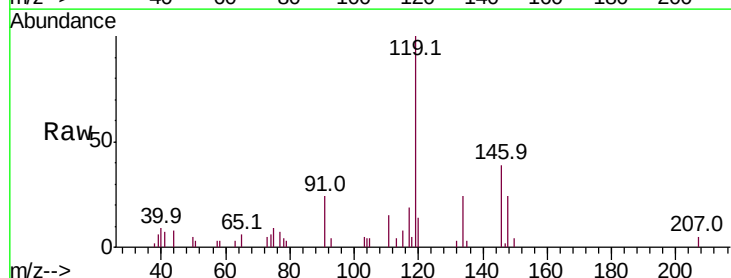
Tgt Ion:119 Resp: 9716

Ion Ratio Lower Upper

119 100

134 25.3 13.5 40.5

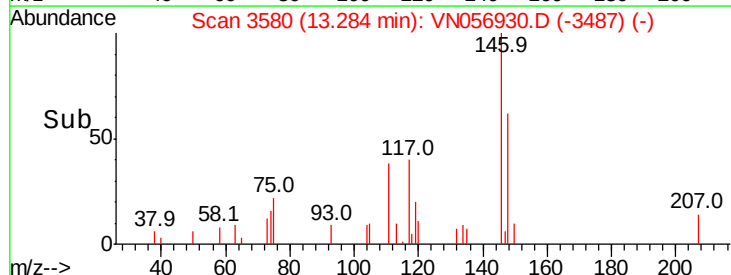
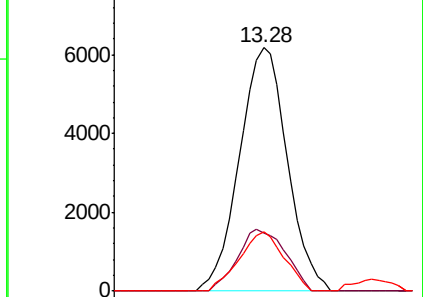
91 22.8 11.0 33.0

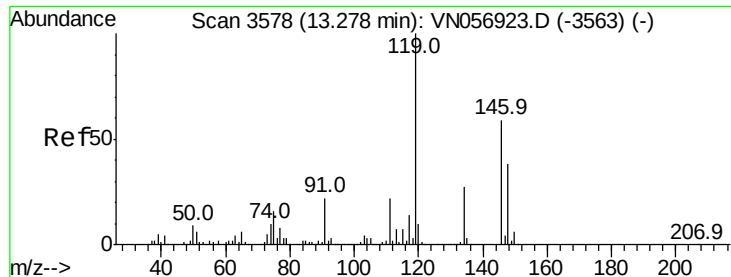


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





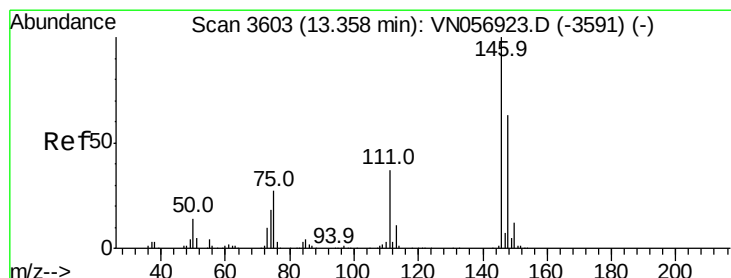
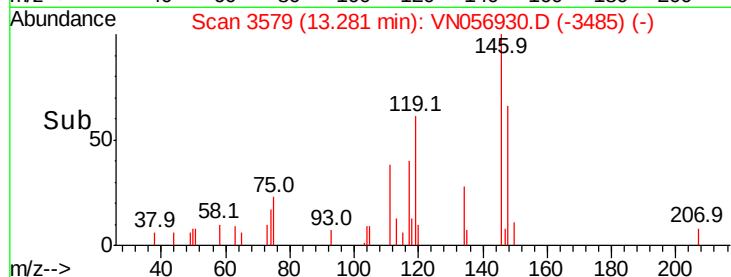
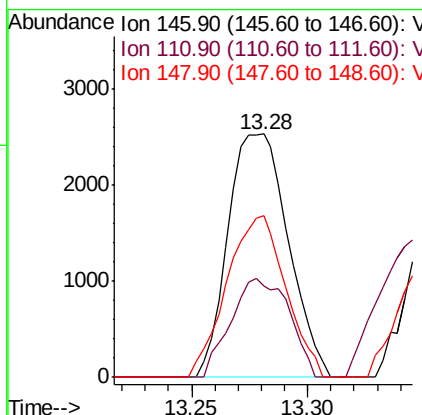
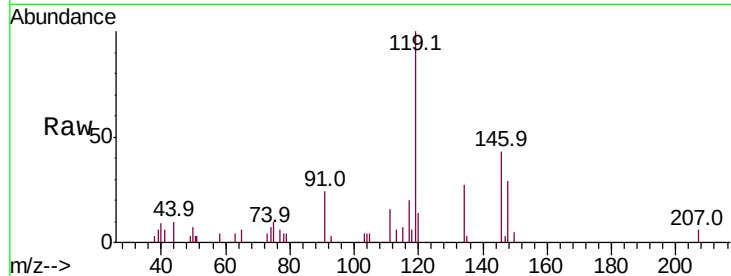
#87
 1,3-Dichlorobenzene
 Concen: 0.858 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056930.D
 Acq: 25 Jul 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.6	56.0
148	65.0	31.6	94.7

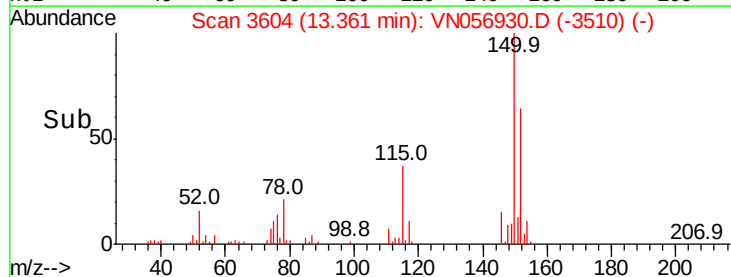
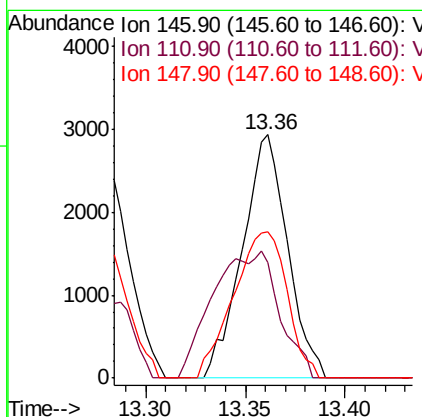
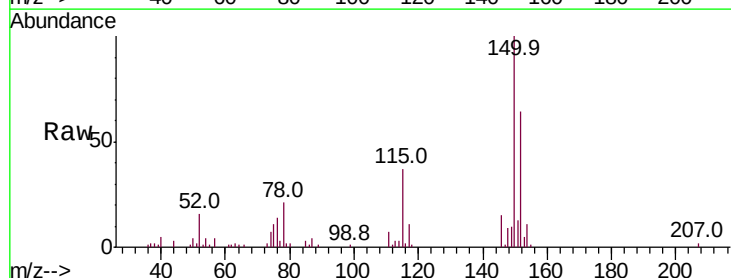
Manual Integrations
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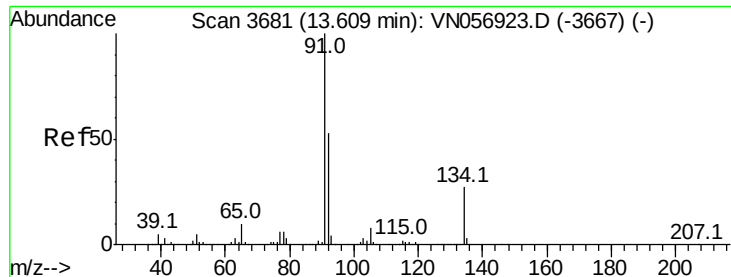
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 7/26/2019 3:37:35 PM



#88
 1,4-Dichlorobenzene
 Concen: 0.909 ug/l m
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056930.D
 Acq: 25 Jul 2019 19:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.5
148	64.0	32.1	96.3





#89

n-Butylbenzene

Concen: 0.787 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. -0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

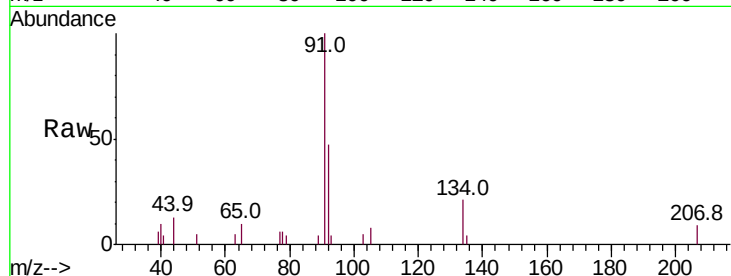
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

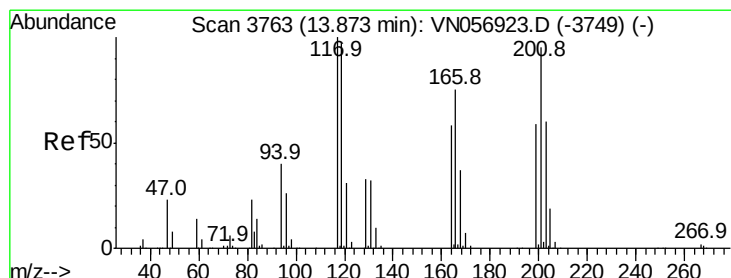
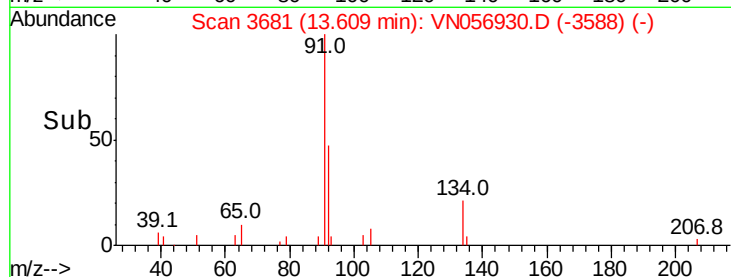
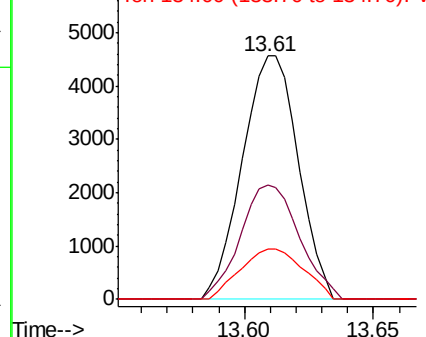
Tot Ion:	91	Resp:	6876
Ion	Ratio	Lower	Upper
91	100		
92	49.7	26.5	79.5
134	23.4	13.5	40.5

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN056930.D (-3667) (-)



#90

Hexachloroethane

Concen: 0.738 ug/l

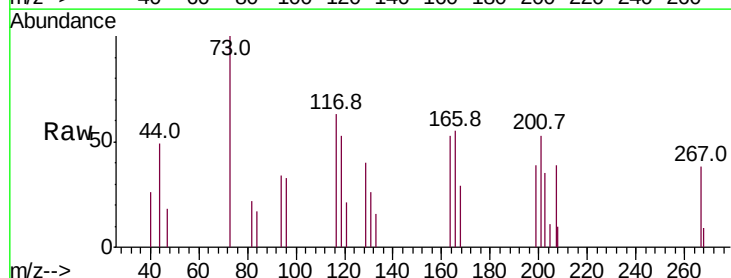
RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

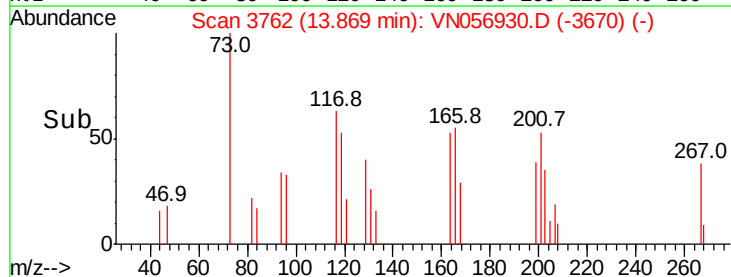
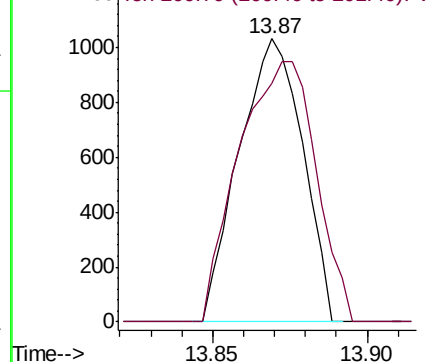
Lab File: VN056930.D

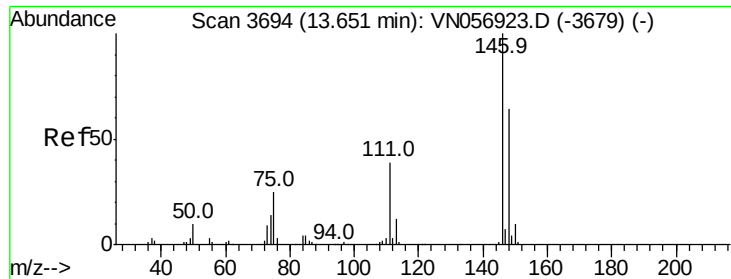
Acq: 25 Jul 2019 19:41

Tgt Ion:	117	Resp:	1477
Ion	Ratio	Lower	Upper
117	100		
201	111.8	47.3	142.0



Abundance Ion 116.80 (116.50 to 117.50): VN056930.D (-3749) (-)





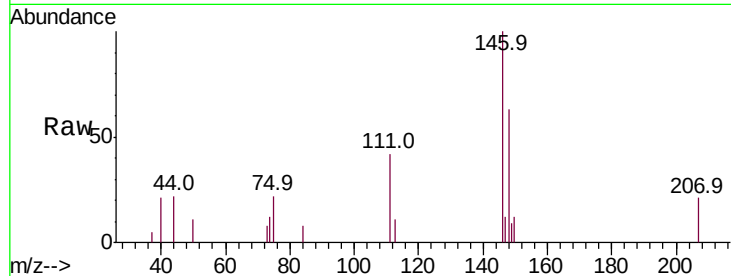
#91
 1,2-Dichlorobenzene
 Concen: 0.852 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056930.D
 Acq: 25 Jul 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

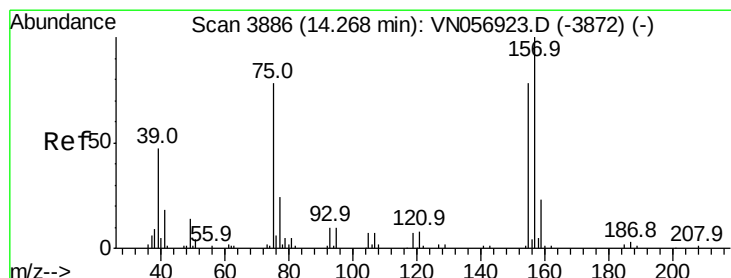
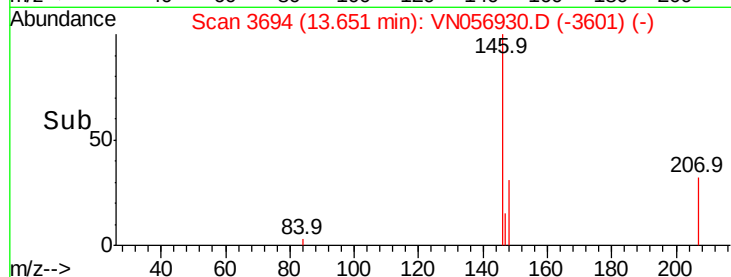
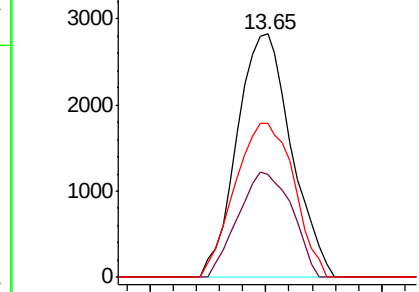
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	19.6	58.8
148	68.9	32.2	96.6

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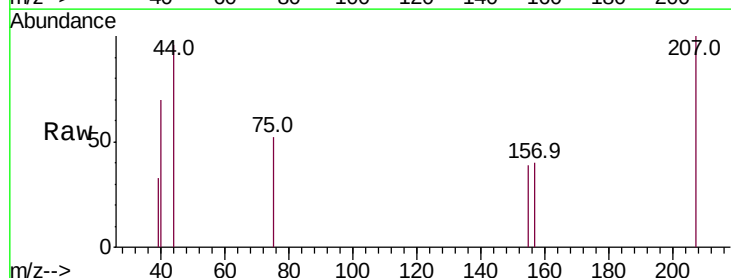


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

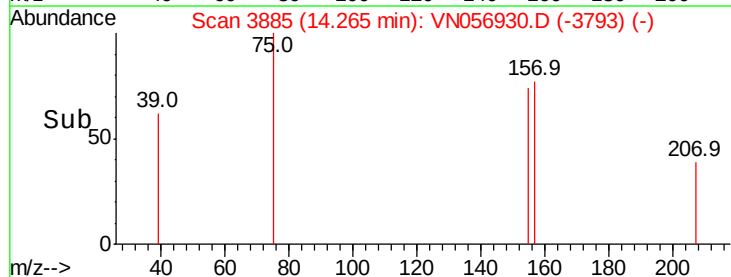
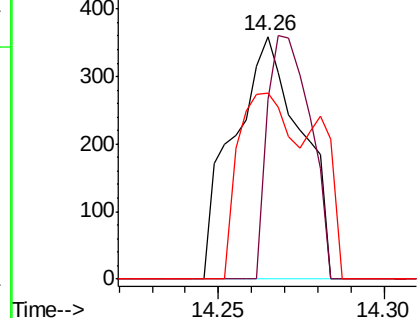


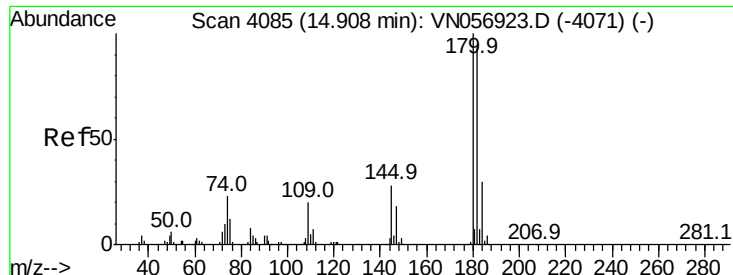
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.936 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN056930.D
 Acq: 25 Jul 2019 19:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	63.7	47.3	141.9
157	62.1	63.0	189.0#



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





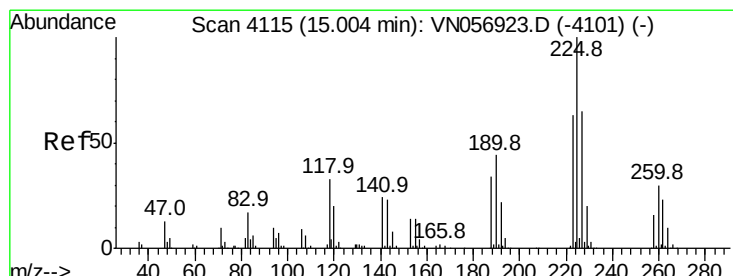
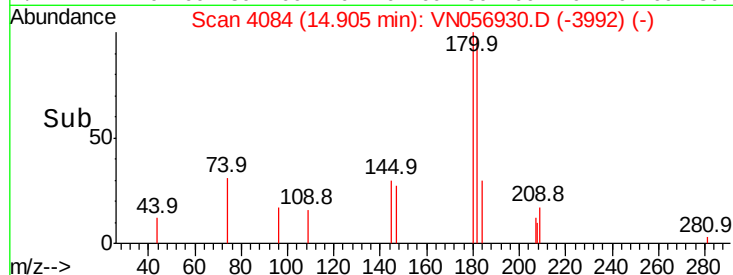
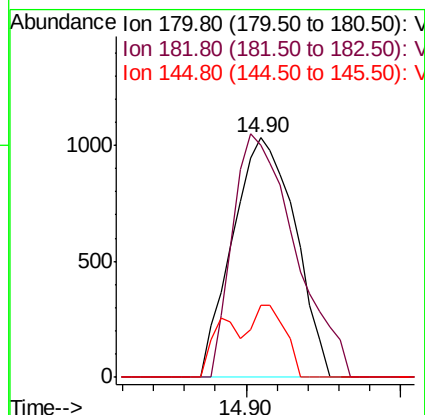
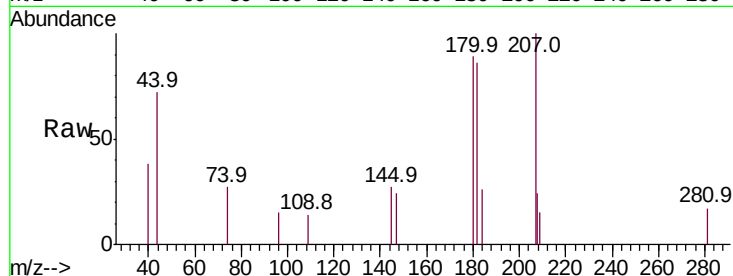
#93
 1,2,4-Trichlorobenzene
 Concen: 0.652 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN056930.D
 Acq: 25 Jul 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.4	47.9	143.8
145	16.4	14.1	42.4

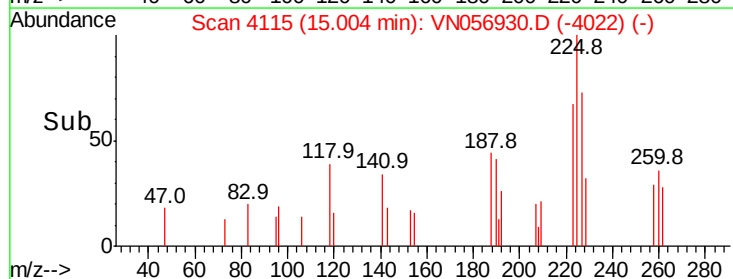
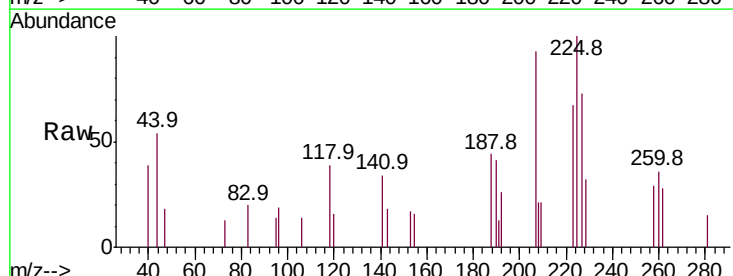
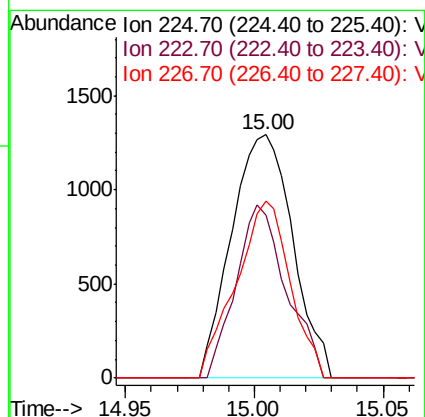
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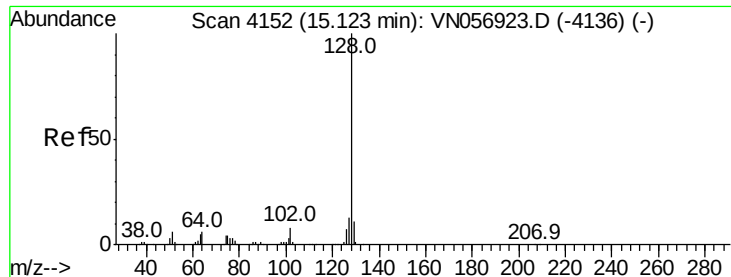
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#94
 Hexachlorobutadiene
 Concen: 0.986 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN056930.D
 Acq: 25 Jul 2019 19:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.6	31.3	93.9
227	64.1	31.9	95.7





#95

Naphthalene

Concen: 0.748 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Instrument :

MSVOA_N

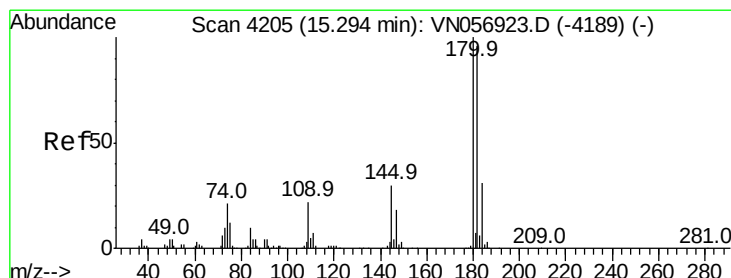
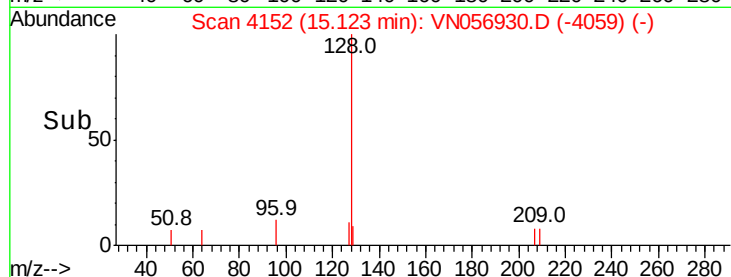
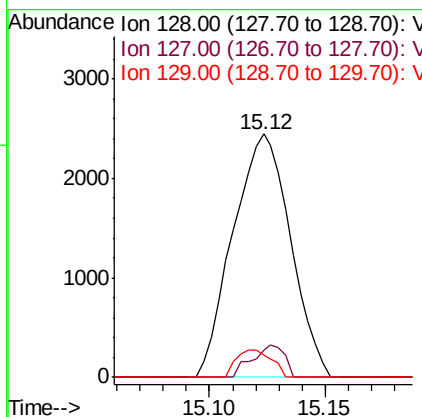
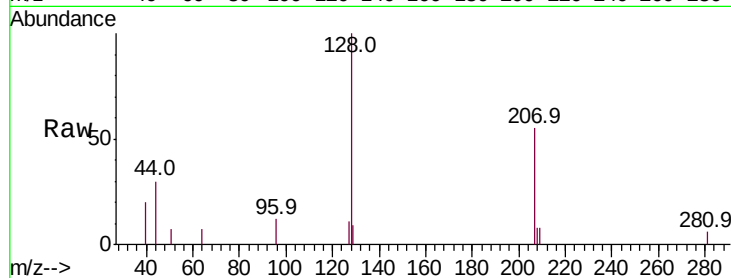
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	128	Resp:	4208
Ion Ratio	Lower	Upper	
128	100		
127	7.4	10.2	15.2#
129	6.9	8.6	13.0#

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 0.820 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN056930.D

Acq: 25 Jul 2019 19:41

Tgt Ion:	180	Resp:	1983
Ion Ratio	Lower	Upper	
180	100		
182	90.0	48.4	145.3
145	30.3	15.1	45.3

