

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060585.D
 Acq On : 18 Mar 2020 12:39
 Operator : JC/MD
 Sample : L1161-07 .75PPB MDL
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020DL

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:03:25 PM

Quant Time: Mar 19 09:31:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 19 09:13:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	205813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	346884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	306504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130320	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	138637	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
35) Dibromofluoromethane	7.56	113	102316	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
50) Toluene-d8	10.08	98	408721	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	12.40	95	138751	44.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	1182	0.594	ug/l	99
3) Chloromethane	2.04	50	2833	0.762	ug/l	98
4) Vinyl Chloride	2.16	62	1992	0.685	ug/l #	87
5) Bromomethane	2.55	94	865	0.689	ug/l	90
6) Chloroethane	2.69	64	1238	0.739	ug/l	92
7) Trichlorofluoromethane	3.01	101	2608	0.728	ug/l	97
8) Diethyl Ether	3.38	74	874	0.607	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	1479	0.712	ug/l #	86
10) Methyl Iodide	3.93	142	1389	0.752	ug/l #	81
11) Tert butyl alcohol	4.73	59	1373	3.304	ug/l #	72
12) 1,1-Dichloroethene	3.72	96	1679	0.753	ug/l	81
13) Acrolein	3.58	56	1166	2.532	ug/l	99
14) Allyl chloride	4.30	41	2937m	0.749	ug/l	
15) Acrylonitrile	4.96	53	3376	2.763	ug/l	97
16) Acetone	3.79	43	3878m	3.875	ug/l	
17) Carbon Disulfide	4.03	76	5376	0.793	ug/l #	92
18) Methyl Acetate	4.30	43	2043m	0.725	ug/l	
19) Methyl tert-butyl Ether	5.00	73	5674	0.741	ug/l	95
20) Methylene Chloride	4.53	84	1671m	0.679	ug/l	
21) trans-1,2-Dichloroethene	5.00	96	1845	0.777	ug/l #	92
22) Diisopropyl ether	5.92	45	5724	0.691	ug/l	95
23) Vinyl Acetate	5.86	43	21385	3.165	ug/l	97
24) 1,1-Dichloroethane	5.82	63	3189	0.707	ug/l #	85
25) 2-Butanone	6.80	43	5429	3.352	ug/l	99
26) 2,2-Dichloropropane	6.79	77	2789	0.785	ug/l	84
27) cis-1,2-Dichloroethene	6.80	96	1949	0.722	ug/l	84
28) Bromochloromethane	7.18	49	1519	0.703	ug/l #	95
29) Tetrahydrofuran	7.18	42	4047	3.532	ug/l #	89
30) Chloroform	7.36	83	3039	0.702	ug/l	92
31) Cyclohexane	7.63	56	7475	1.643	ug/l #	33
32) 1,1,1-Trichloroethane	7.54	97	2582	0.692	ug/l #	51
36) 1,1-Dichloropropene	7.77	75	2393	0.712	ug/l	97
37) Ethyl Acetate	6.90	43	2130	0.587	ug/l #	70
38) Carbon Tetrachloride	7.75	117	1876	0.623	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	2840	0.711	ug/l	96
40) Benzene	8.02	78	7332	0.723	ug/l	98
41) Methacrylonitrile	7.14	41	1021	0.659	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	2811	0.811	ug/l #	75
43) Isopropyl Acetate	8.14	43	3897	0.651	ug/l #	96
44) Trichloroethene	8.82	130	1963	0.768	ug/l	96
45) 1,2-Dichloropropane	9.10	63	1728	0.646	ug/l	96
46) Dibromomethane	9.20	93	1046	0.647	ug/l	92
47) Bromodichloromethane	9.39	83	2054	0.611	ug/l #	88
48) Methyl methacrylate	9.18	41	1684	0.632	ug/l	94
49) 1,4-Dioxane	9.18	88	365	11.523	ug/l #	77
51) 4-Methyl-2-Pentanone	9.97	43	11548	3.390	ug/l	100
52) Toluene	10.14	92	4228	0.690	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	2702	0.700	ug/l	96
54) cis-1,3-Dichloropropene	9.83	75	2776	0.655	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	1658	0.704	ug/l	95
56) Ethyl methacrylate	10.42	69	2086	0.568	ug/l	95
57) 1,3-Dichloropropane	10.70	76	2709	0.663	ug/l #	71
58) 2-Chloroethyl Vinyl ether	9.68	63	5621	3.079	ug/l	99
59) 2-Hexanone	10.74	43	7635	3.112	ug/l	93
60) Dibromochloromethane	10.89	129	1514	0.622	ug/l	96
61) 1,2-Dibromoethane	10.99	107	1472	0.621	ug/l	98
64) Tetrachloroethene	10.62	164	1758	0.729	ug/l	93
65) Chlorobenzene	11.42	112	4651	0.765	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	11.50	131	1464	0.665	ug/l #	62
67) Ethyl Benzene	11.51	91	8030	0.711	ug/l	97
68) m/p-Xylenes	11.62	106	5713	1.361	ug/l	100
69) o-Xylene	11.94	106	2710	0.676	ug/l	89
70) Styrene	11.96	104	4047	0.617	ug/l	97
71) Bromoform	12.12	173	966	0.588	ug/l #	89
73) Isopropylbenzene	12.24	105	7411	0.758	ug/l	98
74) N-amyl acetate	12.07	43	3067	0.679	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	2073	0.701	ug/l #	96
76) 1,2,3-Trichloropropane	12.55	75	2509m	0.892	ug/l	
77) Bromobenzene	12.52	156	1643	0.697	ug/l	84
78) n-propylbenzene	12.58	91	8814	0.763	ug/l	98
79) 2-Chlorotoluene	12.67	91	5345	0.774	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	5978	0.720	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	724m	0.661	ug/l	
82) 4-Chlorotoluene	12.77	91	5600	0.796	ug/l	94
83) tert-Butylbenzene	12.99	119	5210	0.757	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	5857	0.713	ug/l	98
85) sec-Butylbenzene	13.17	105	6782	0.733	ug/l	100
86) p-Isopropyltoluene	13.29	119	5995	0.721	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	3309	0.796	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	3307m	0.792	ug/l	
89) n-Butylbenzene	13.61	91	5420	0.722	ug/l	99
90) Hexachloroethane	13.87	117	757	0.626	ug/l	81
91) 1,2-Dichlorobenzene	13.65	146	2906	0.731	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	464	0.699	ug/l #	45

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1784	0.731	ug/l	85
94) Hexachlorobutadiene	15.00	225	994	0.831	ug/l	94
95) Naphthalene	15.13	128	4617	0.629	ug/l	95
96) 1,2,3-Trichlorobenzene	15.31	180	1602	0.666	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:168 Resp: 205813

Ion Ratio Lower Upper

168 100

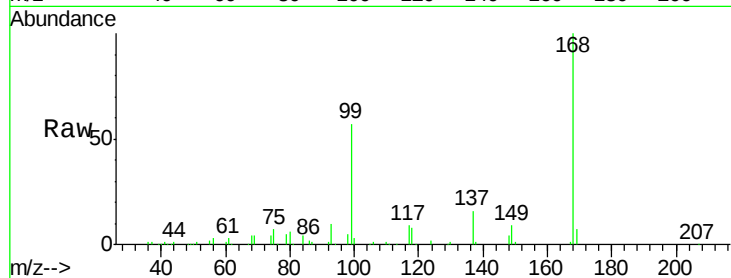
99 56.6 44.0 66.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

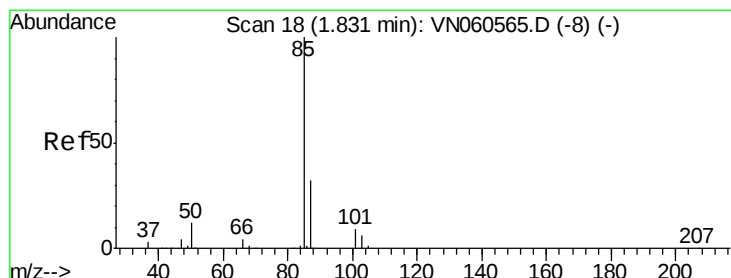
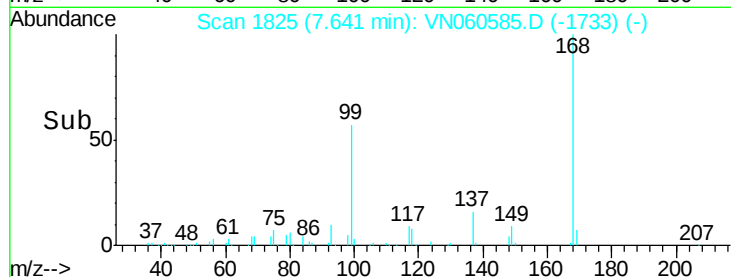
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.594 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060585.D

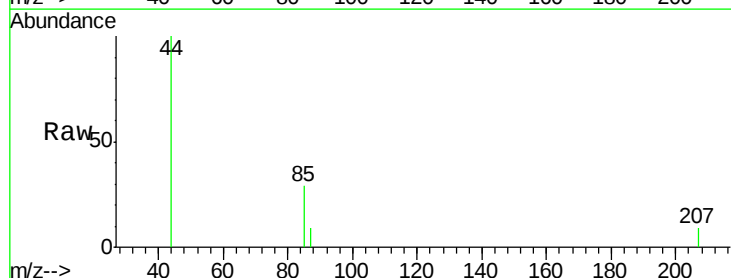
Acq: 18 Mar 2020 12:39

Tgt Ion: 85 Resp: 1182

Ion Ratio Lower Upper

85 100

87 32.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

1000

800

600

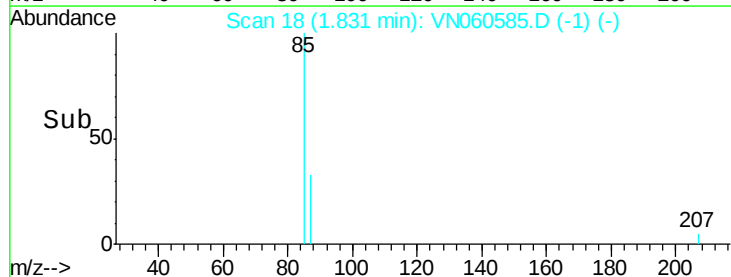
400

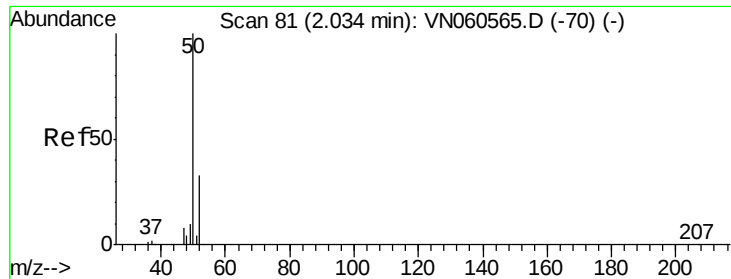
200

0

1.80 1.82 1.84 1.86

Time-->





#3

Chloromethane

Concen: 0.762 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 50 Resp: 2833

Ion Ratio Lower Upper

50 100

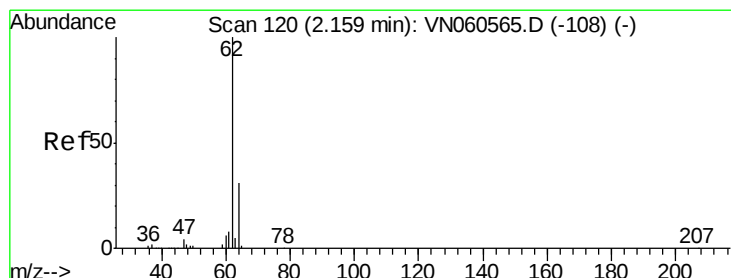
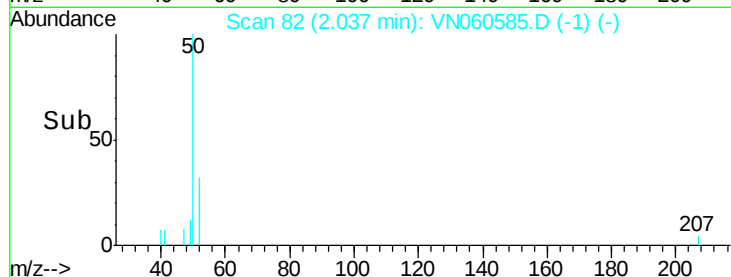
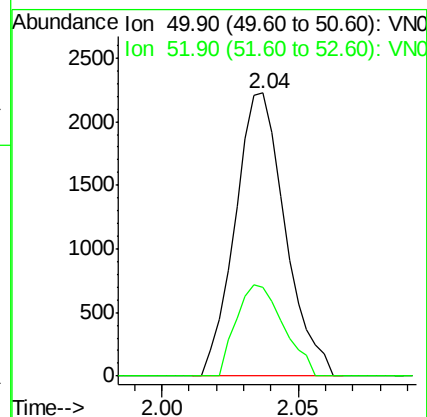
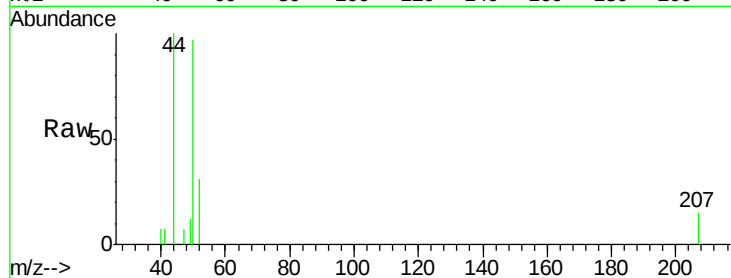
52 31.6 26.2 39.2

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#4

Vinyl Chloride

Concen: 0.685 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN060585.D

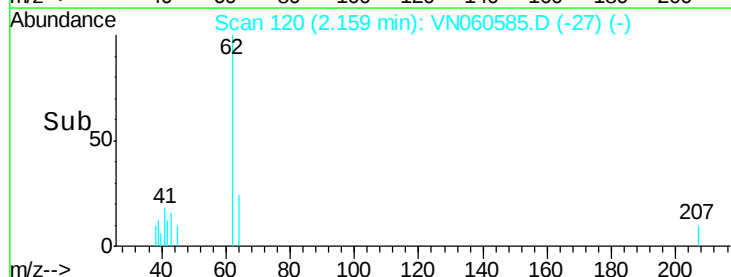
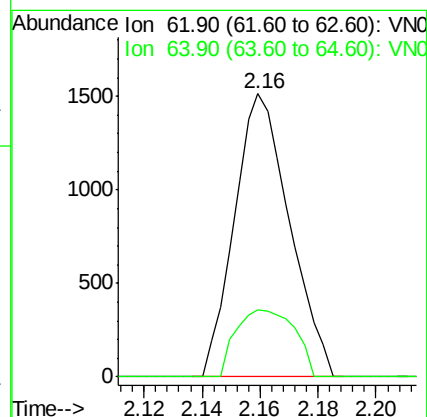
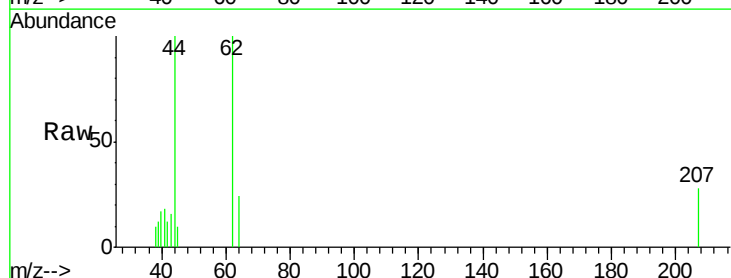
Acq: 18 Mar 2020 12:39

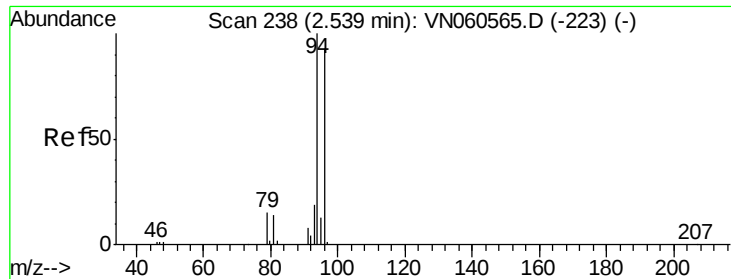
Tgt Ion: 62 Resp: 1992

Ion Ratio Lower Upper

62 100

64 23.8 24.7 37.1#





#5

Bromomethane

Concen: 0.689 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Instrument :

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ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 94 Resp: 865

Ion Ratio Lower Upper

94 100

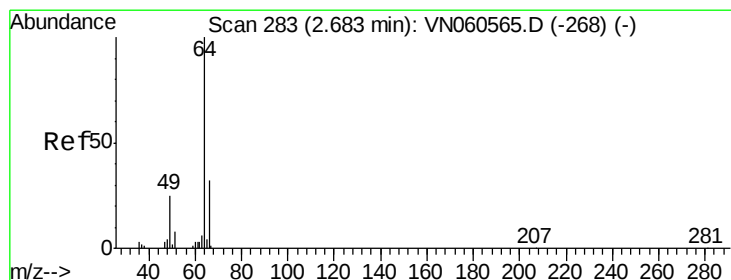
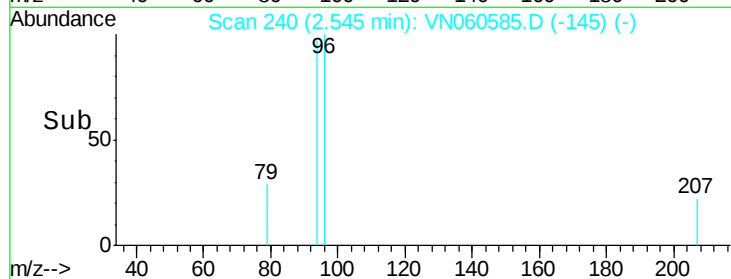
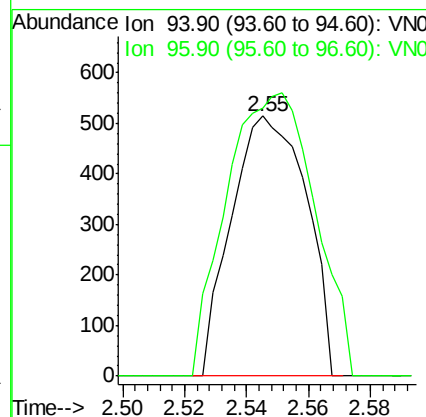
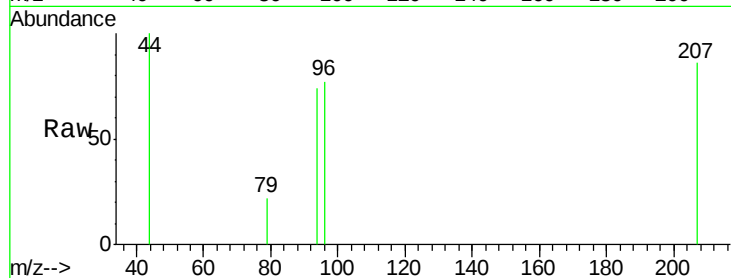
96 102.9 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 0.739 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060585.D

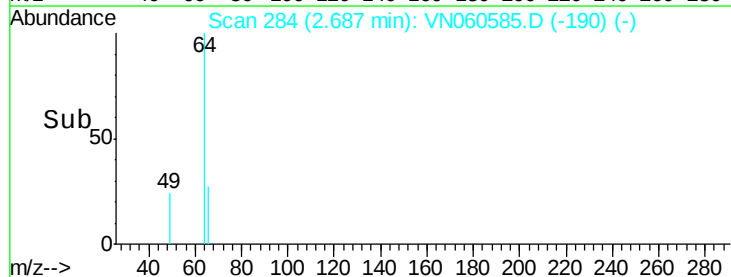
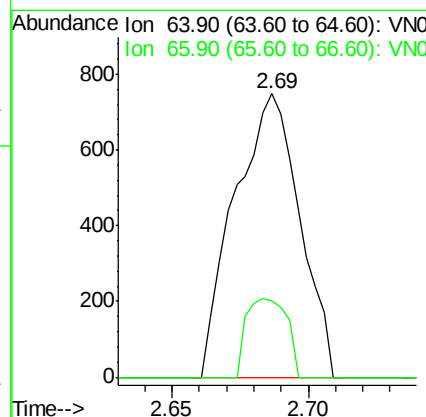
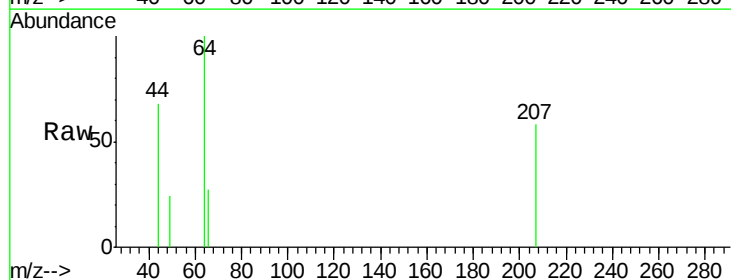
Acq: 18 Mar 2020 12:39

Tgt Ion: 64 Resp: 1238

Ion Ratio Lower Upper

64 100

66 27.1 25.3 37.9





#7

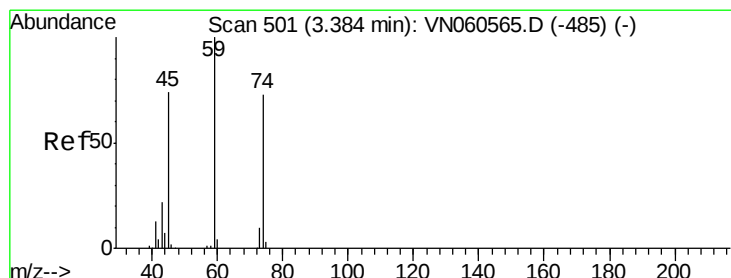
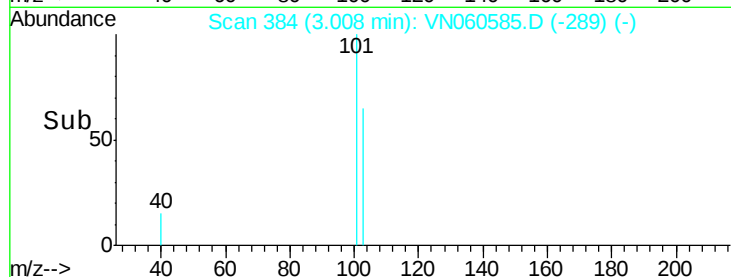
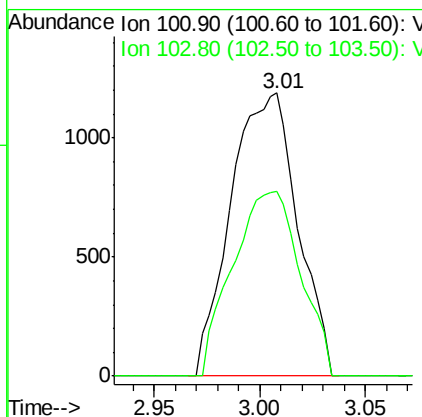
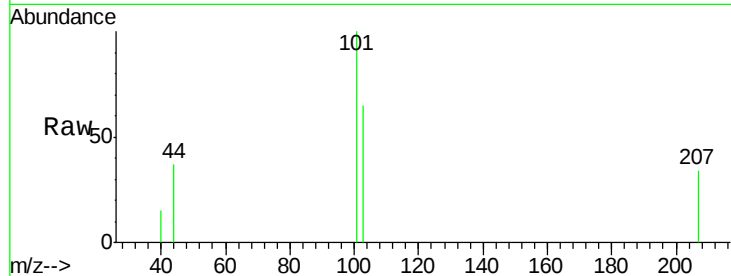
Trichlorofluoromethane
 Concen: 0.728 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VN060585.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	50.6	76.0

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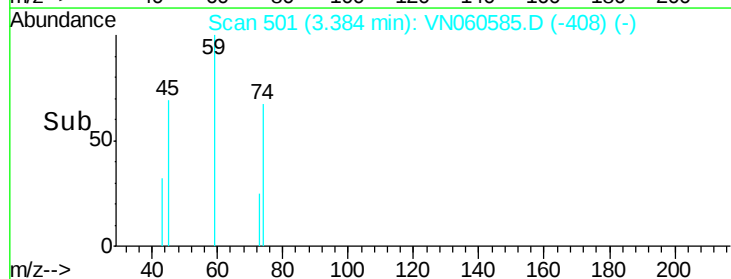
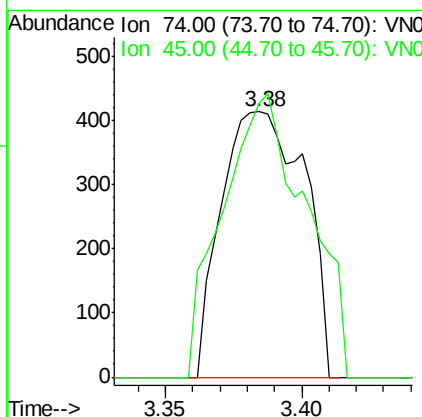
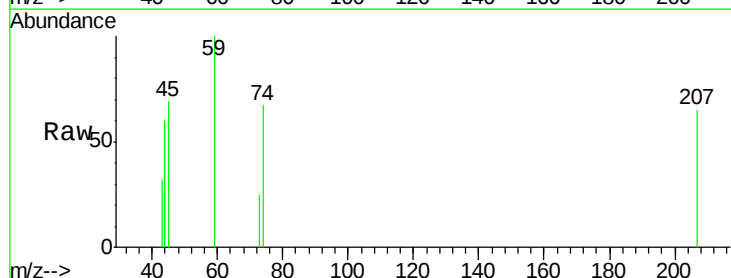
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#8

Diethyl Ether
 Concen: 0.607 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060585.D
 Acq: 18 Mar 2020 12:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.3	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.712 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Instrument :

MSVOA_N

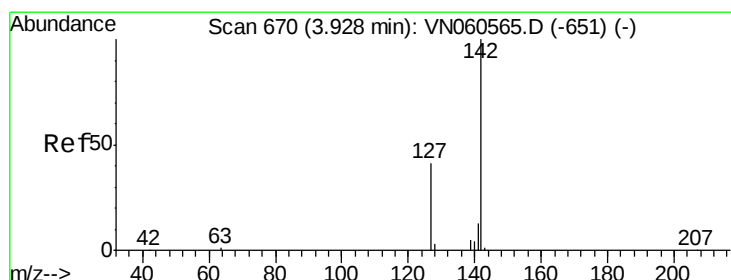
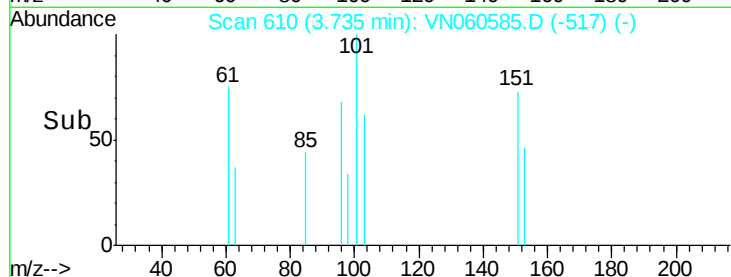
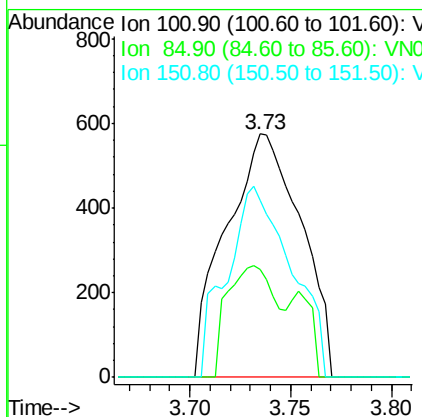
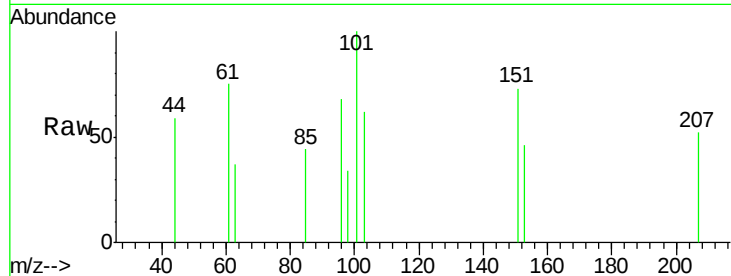
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	101	Resp:	1479
Ion Ratio	Lower	Upper	
101	100		
85	30.9	35.6	53.4#
151	67.7	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 0.752 ug/l

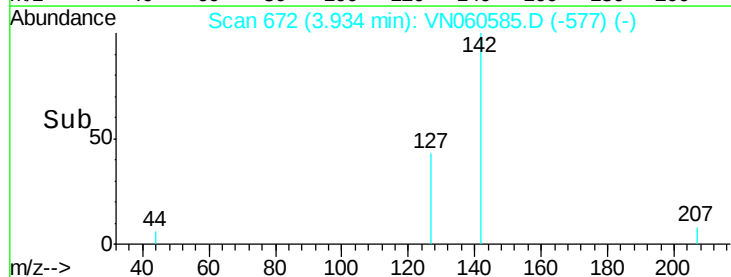
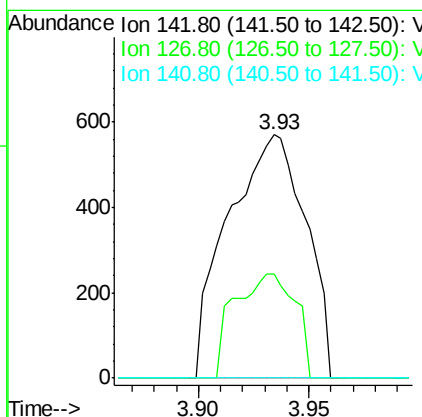
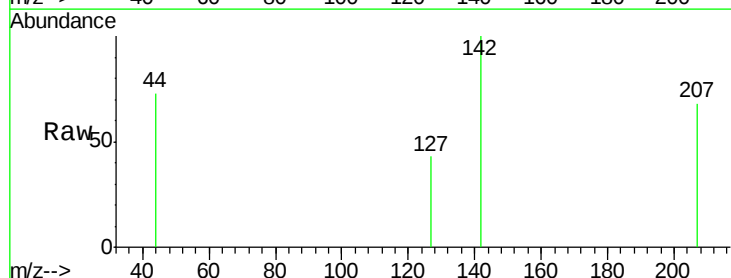
RT: 3.93 min Scan# 672

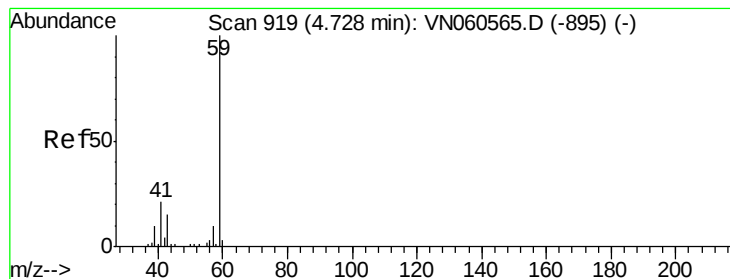
Delta R.T. 0.01 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Tgt Ion:	142	Resp:	1389
Ion Ratio	Lower	Upper	
142	100		
127	33.4	33.5	50.3#
141	0.0	11.0	16.6#





#11

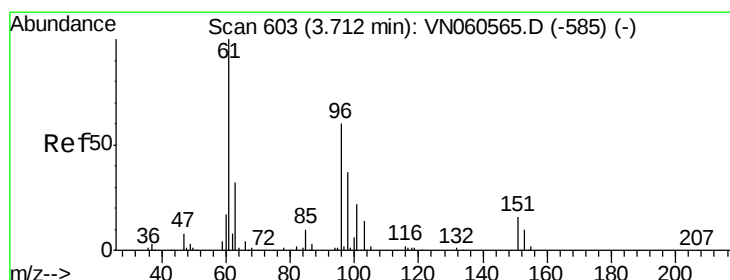
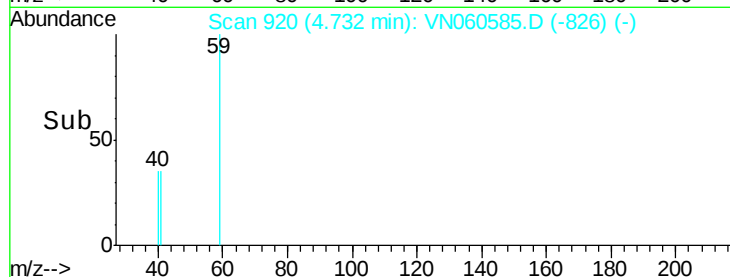
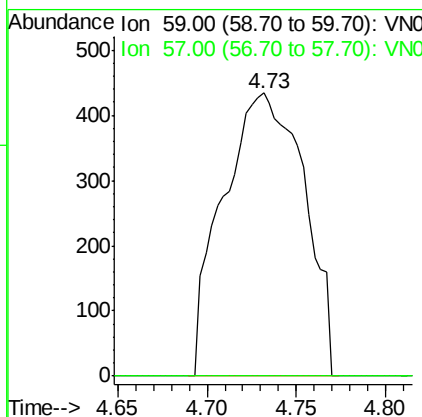
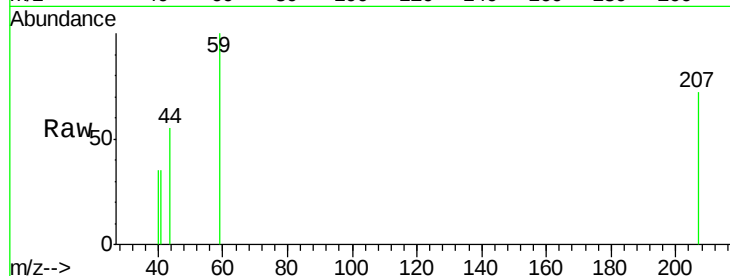
Tert butyl alcohol
Concen: 3.304 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 59 Resp: 1373
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

Manual Integrations
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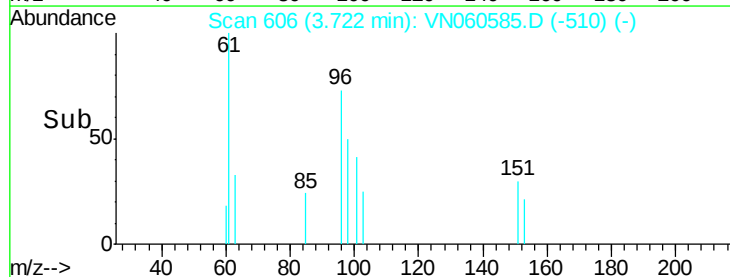
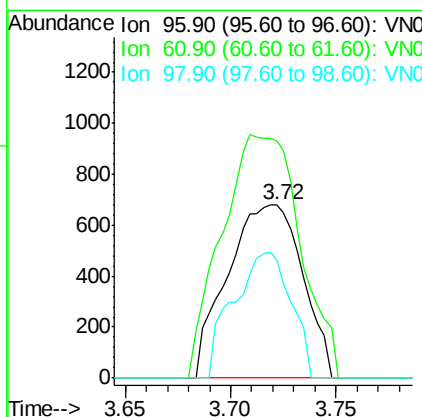
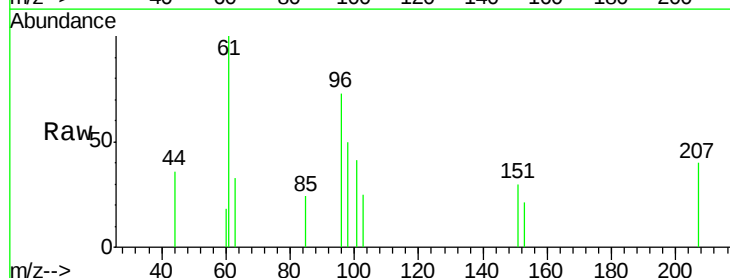
MMDadoda
3/19/2020 1:03:25 PM

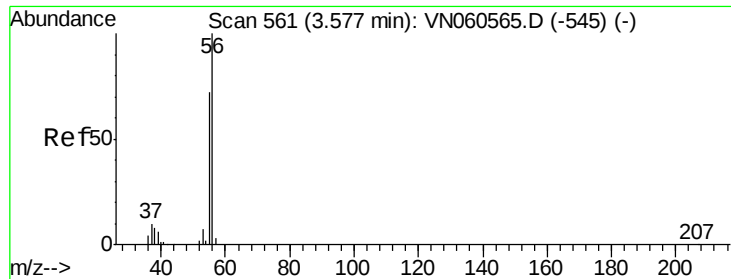


#12

1,1-Dichloroethene
Concen: 0.753 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.01 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Tgt Ion: 96 Resp: 1679
Ion Ratio Lower Upper
96 100
61 136.5 134.1 201.1
98 67.9 49.9 74.9





#13

Acrolein

Concen: 2.532 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.01 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 56 Resp: 1166

Ion Ratio Lower Upper

56 100

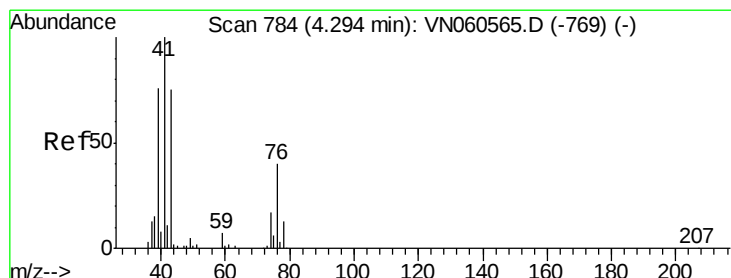
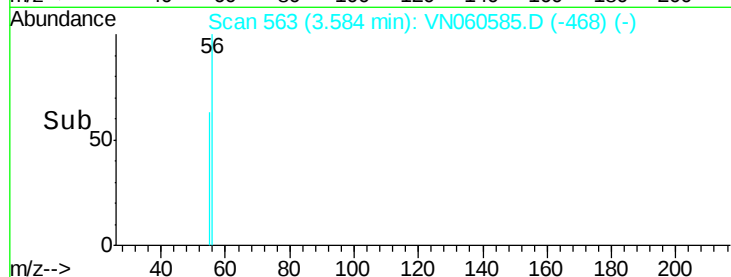
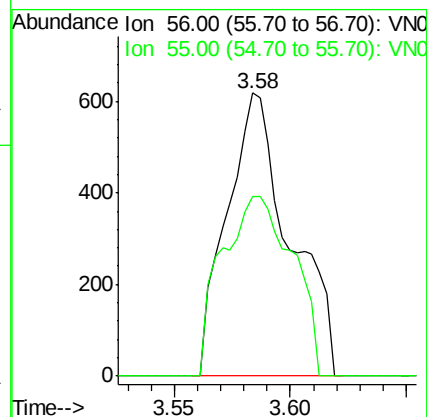
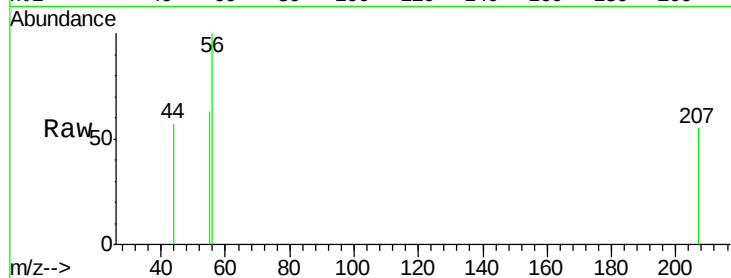
55 71.5 56.7 85.1

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 0.749 ug/l m

RT: 4.30 min Scan# 786

Delta R.T. 0.01 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

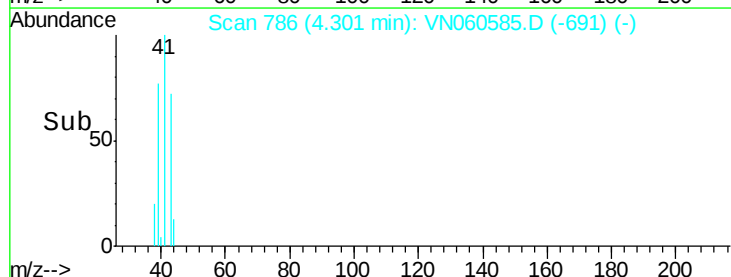
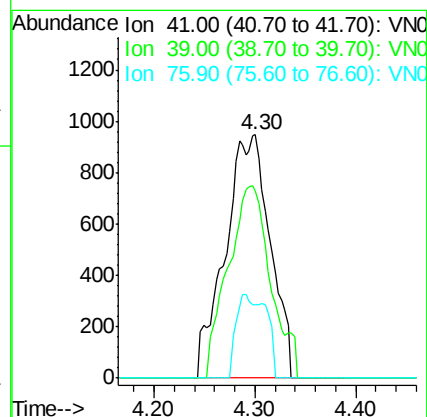
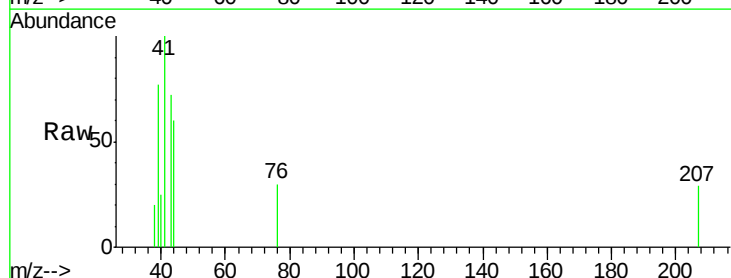
Tgt Ion: 41 Resp: 2937

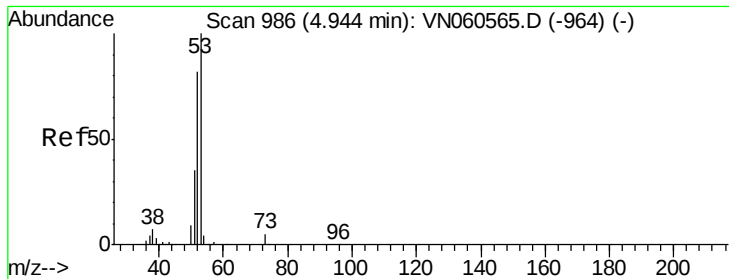
Ion Ratio Lower Upper

41 100

39 74.9 57.8 86.8

76 14.3 28.6 43.0#





#15

Acrylonitrile

Concen: 2.763 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.02 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Instrument :

MSVOA_N

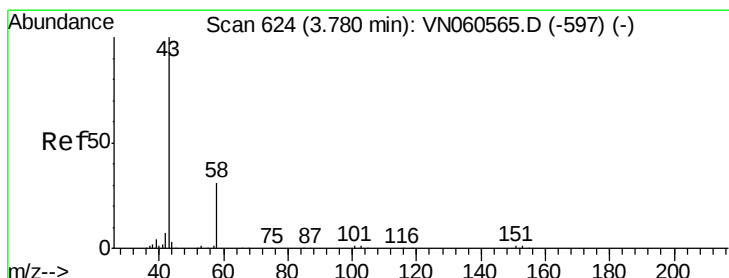
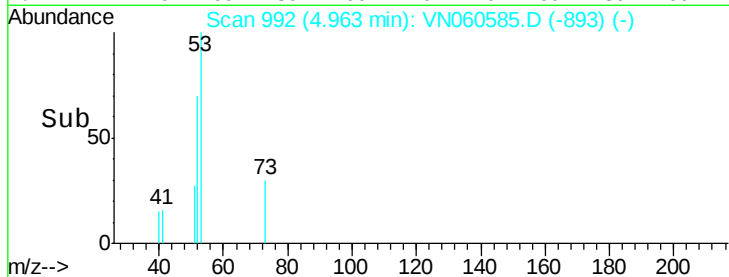
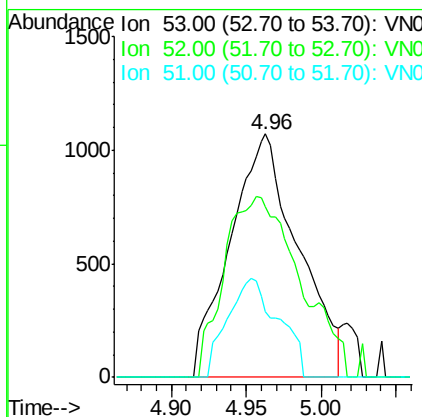
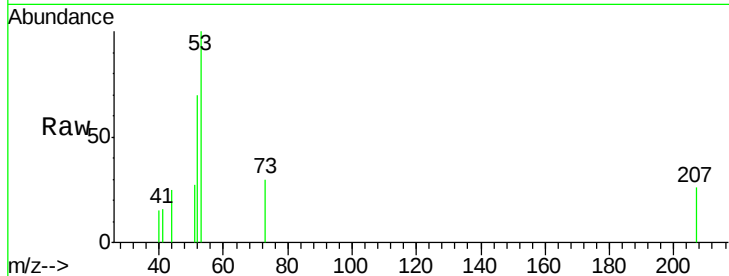
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	53	Resp:	3376
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.2	99.4
51	30.4	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 3.875 ug/l m

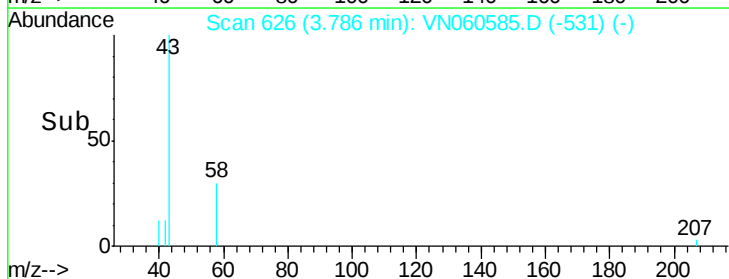
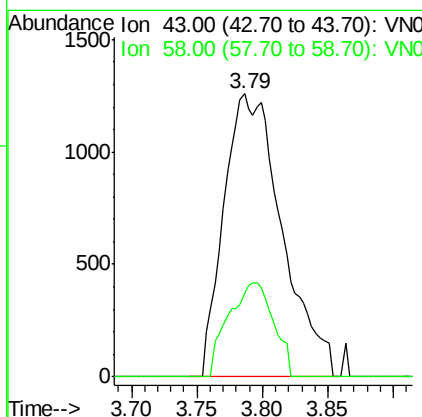
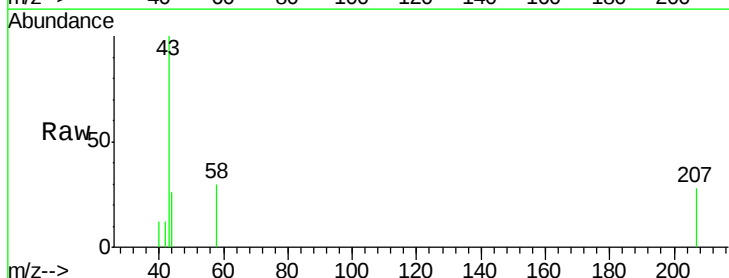
RT: 3.79 min Scan# 626

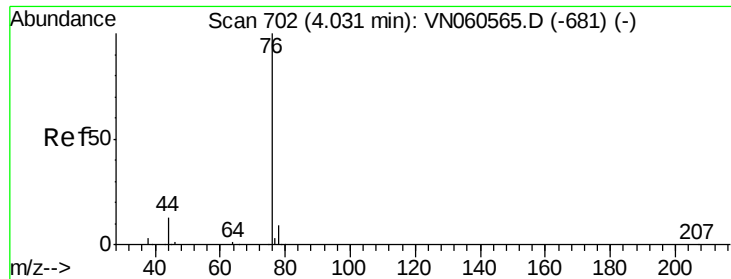
Delta R.T. 0.01 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Tgt Ion:	43	Resp:	3878
Ion	Ratio	Lower	Upper
43	100		
58	29.6	25.1	37.7





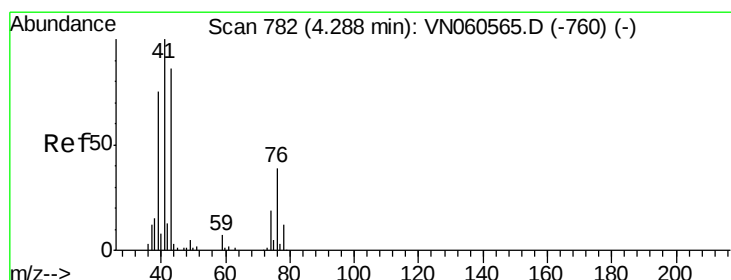
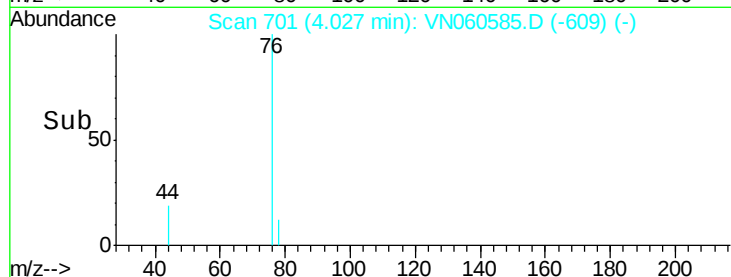
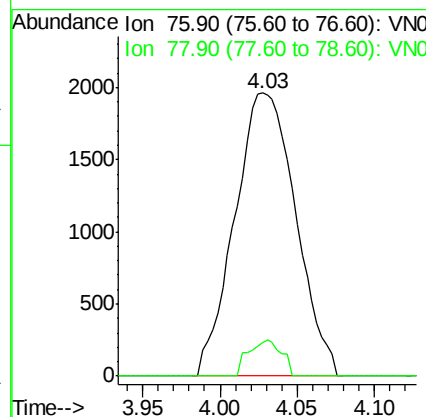
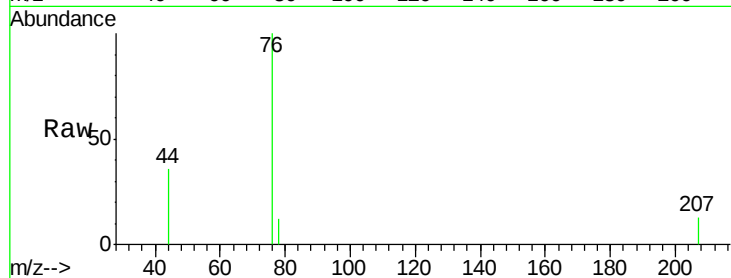
#17
Carbon Disulfide
Concen: 0.793 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 76 Resp: 5376
Ion Ratio Lower Upper
76 100
78 11.8 7.2 10.8#

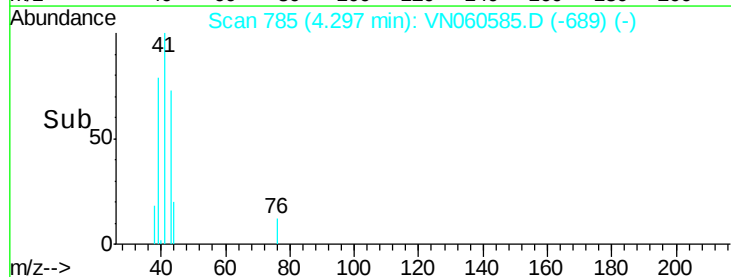
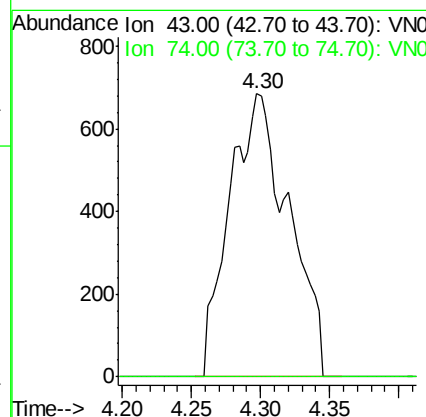
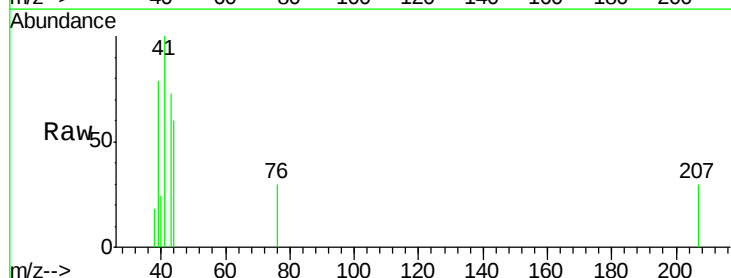
Manual Integrations
APPROVED

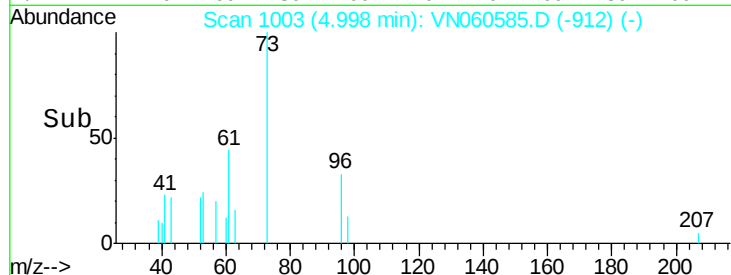
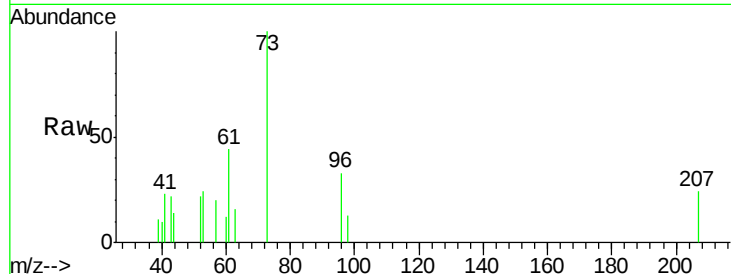
MMDadoda
3/19/2020 1:03:25 PM



#18
Methyl Acetate
Concen: 0.725 ug/l m
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Tgt Ion: 43 Resp: 2043
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#





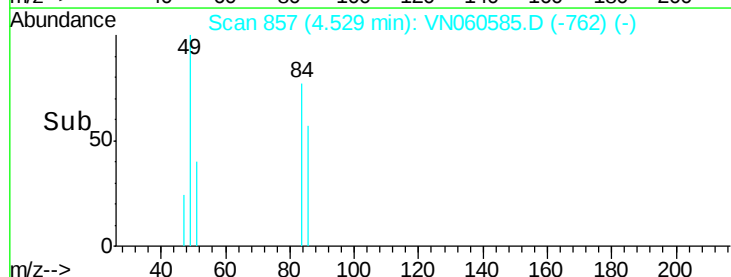
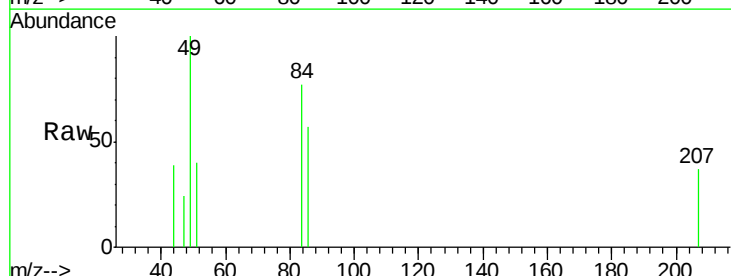
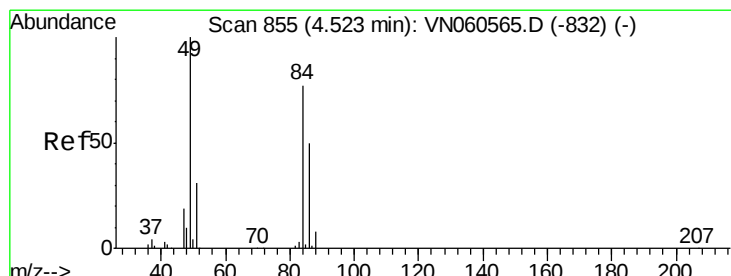
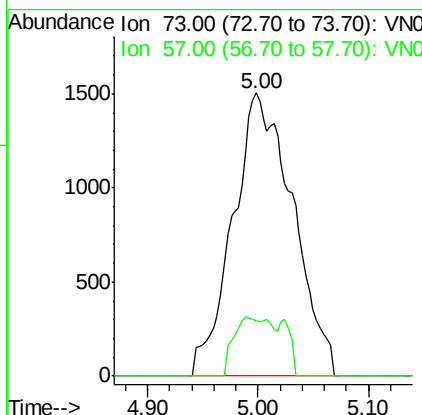
#19
Methyl tert-butyl Ether
Concen: 0.741 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Tot Ion: 73 Resp: 5674
Ion Ratio Lower Upper
73 100
57 19.5 17.5 26.3

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

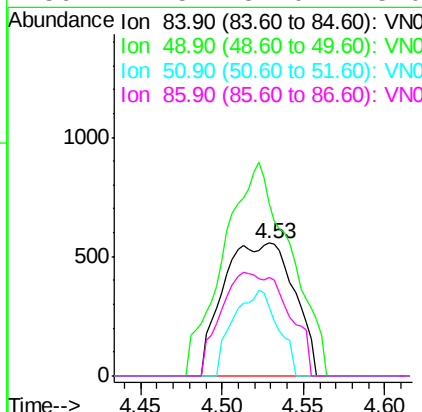
Manual Integrations
APPROVED

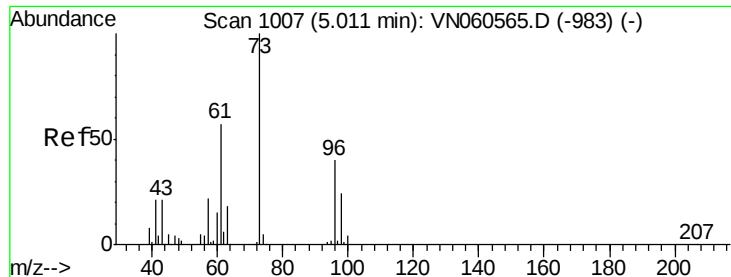
MMDadoda
3/19/2020 1:03:25 PM



#20
Methylene Chloride
Concen: 0.679 ug/l m
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Tgt Ion: 84 Resp: 1671
Ion Ratio Lower Upper
84 100
49 130.0 103.3 154.9
51 52.2 31.6 47.4#
86 74.5 52.0 78.0





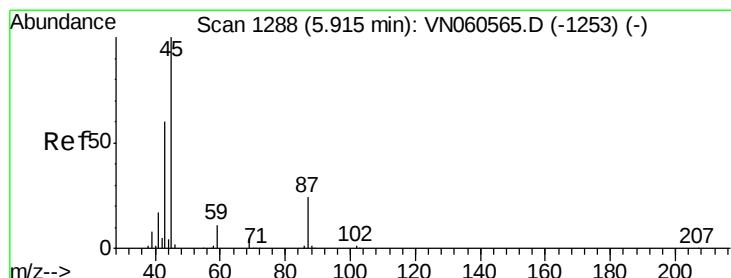
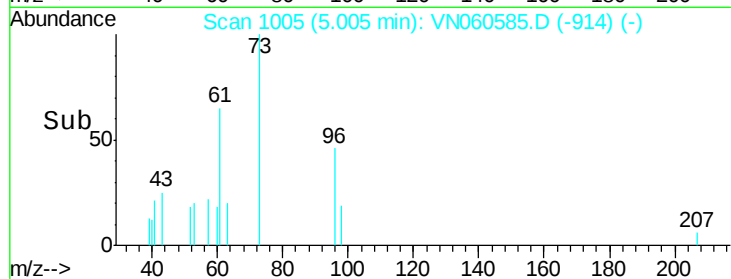
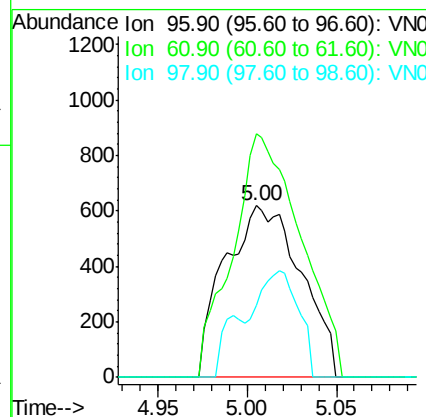
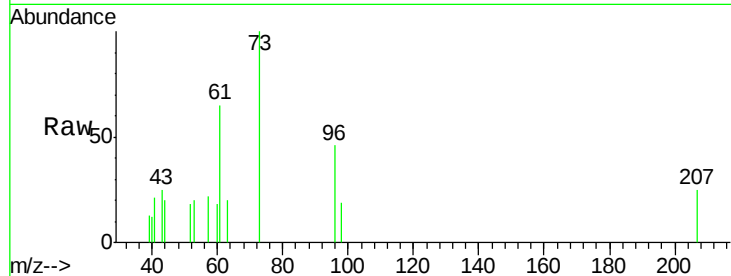
#21
trans-1,2-Dichloroethene
Concen: 0.777 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.8	114.4	171.6
98	41.8	48.4	72.6#

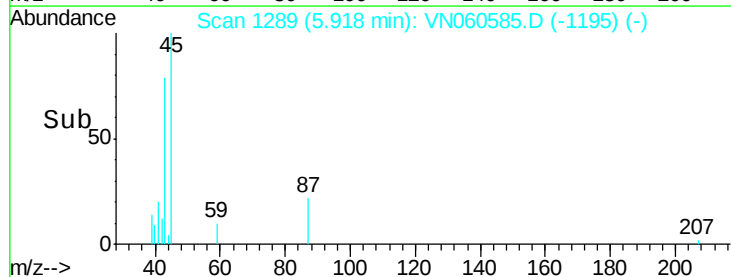
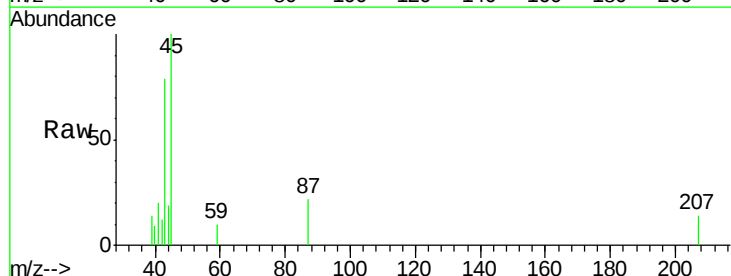
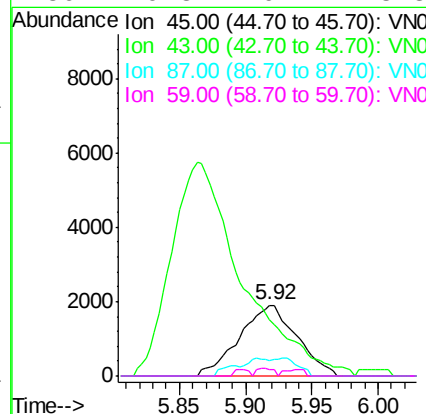
Manual Integrations
APPROVED

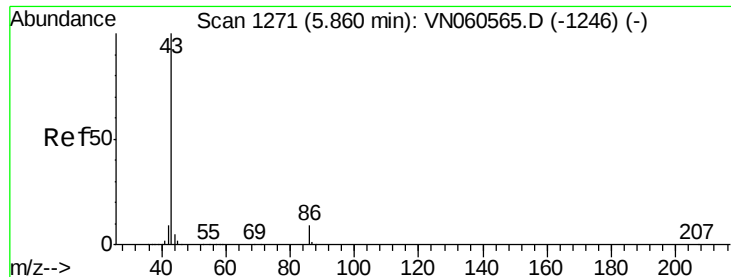
MMDadoda
3/19/2020 1:03:25 PM



#22
Diisopropyl ether
Concen: 0.691 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.6	49.8	74.8
87	22.3	20.1	30.1
59	9.8	9.2	13.8





#23

Vinyl Acetate

Concen: 3.165 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 43 Resp: 21385

Ion Ratio Lower Upper

43 100

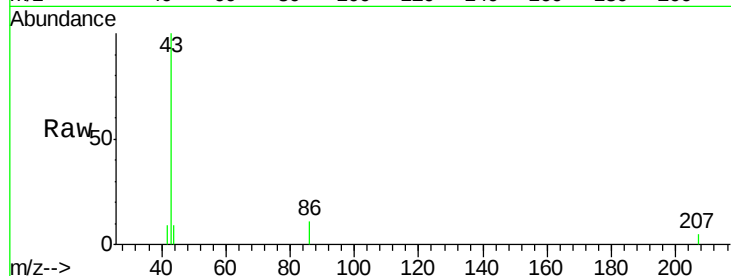
86 10.6 7.6 11.4

Manual Integrations

APPROVED

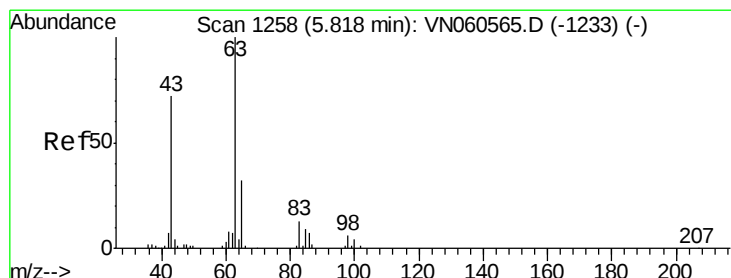
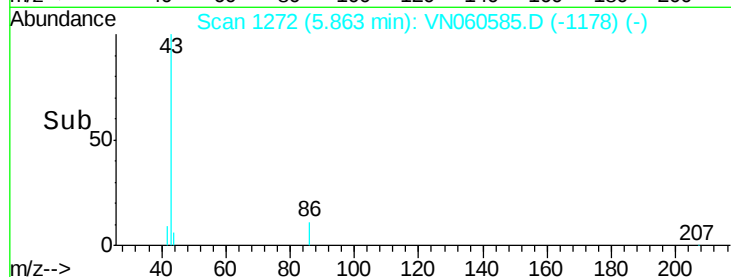
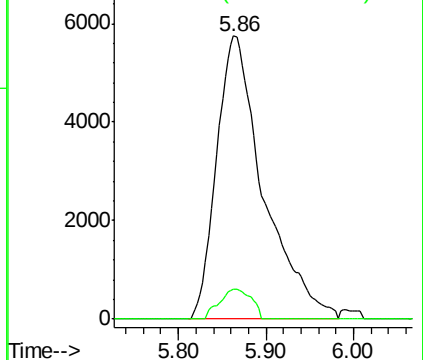
MMDadoda

3/19/2020 1:03:25 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 0.707 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

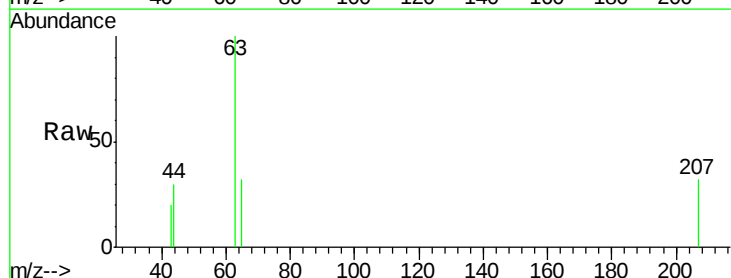
Tgt Ion: 63 Resp: 3189

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.7#

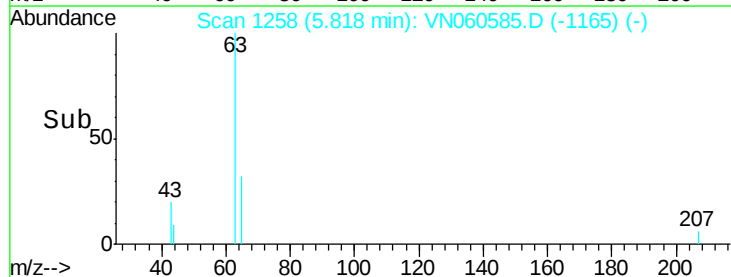
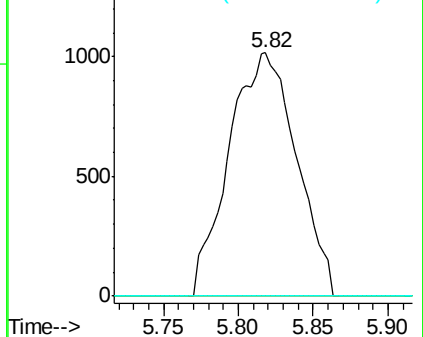
100 0.0 1.8 5.5#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 3.352 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 43 Resp: 5429

Ion Ratio Lower Upper

43 100

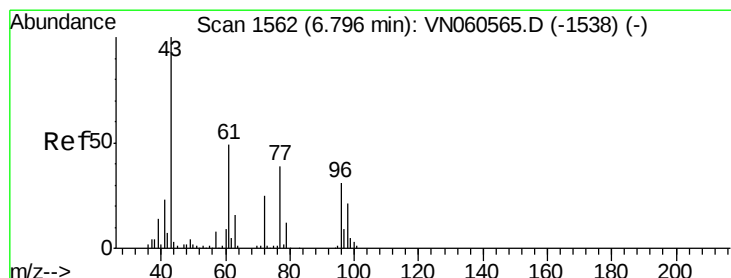
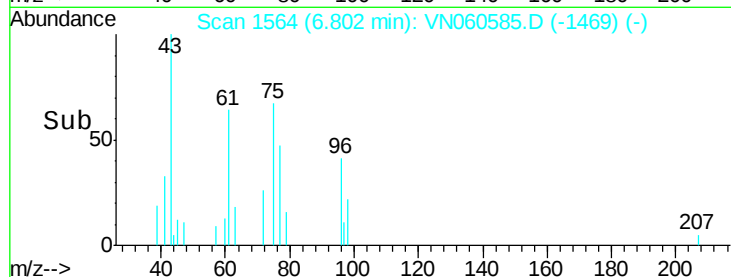
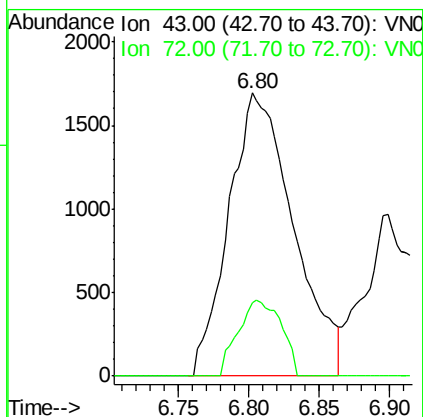
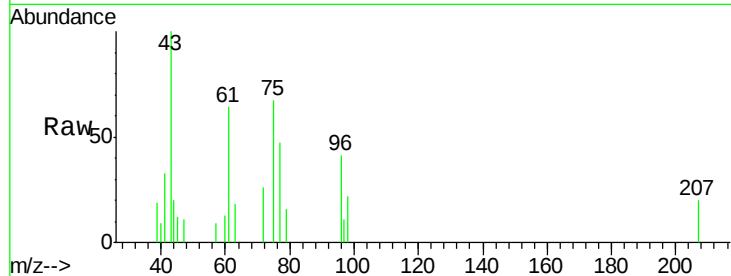
72 25.9 20.4 30.6

Manual Integrations

APPROVED

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#26

2,2-Dichloropropane

Concen: 0.785 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060585.D

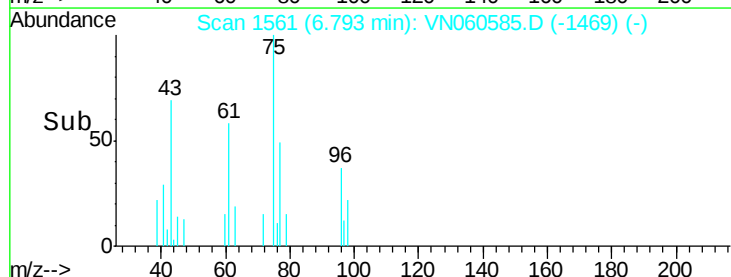
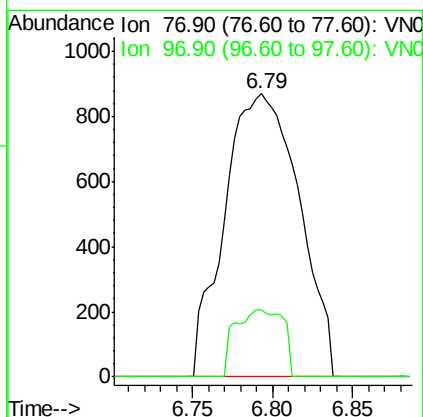
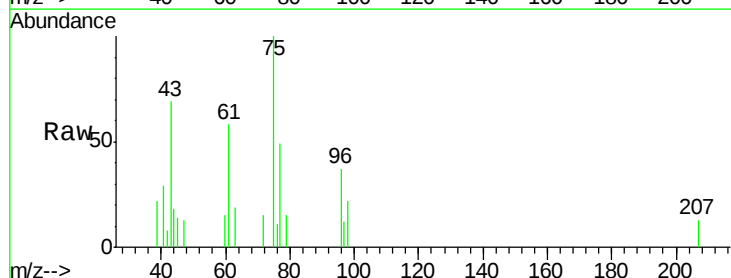
Acq: 18 Mar 2020 12:39

Tgt Ion: 77 Resp: 2789

Ion Ratio Lower Upper

77 100

97 15.1 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 0.722 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Instrument :

MSVOA_N

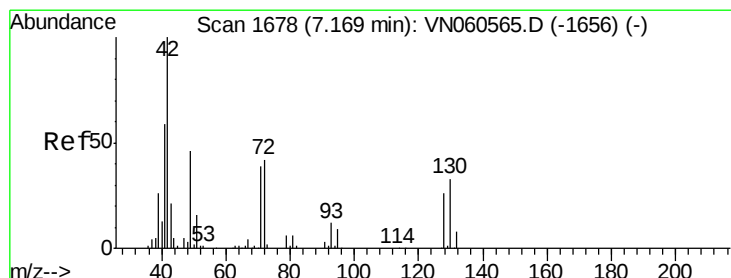
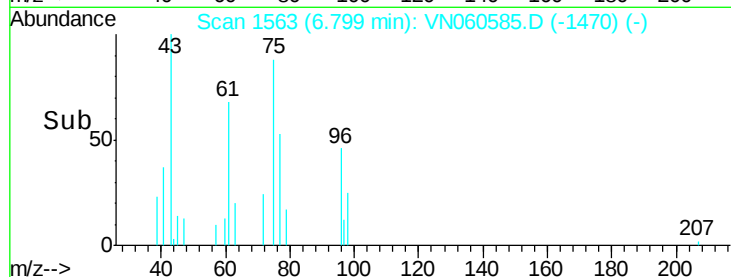
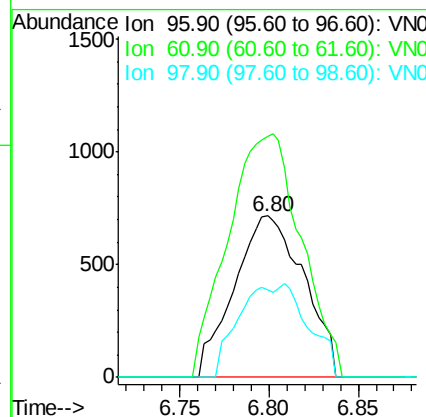
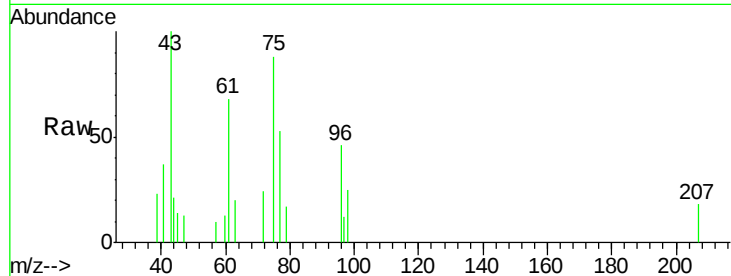
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	96	Resp:	1949
Ion	Ratio	Lower	Upper
96	100		
61	158.0	0.0	305.6
98	30.2	0.0	127.6

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#28

Bromochloromethane

Concen: 0.703 ug/l

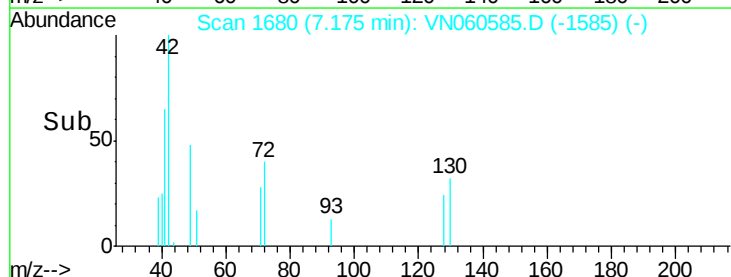
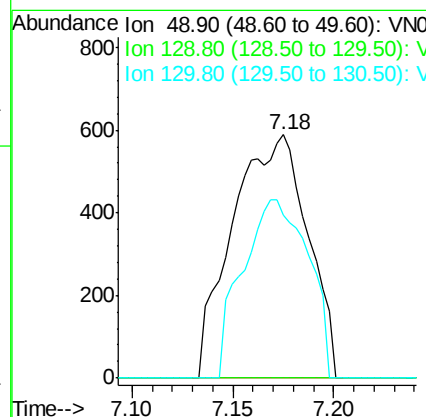
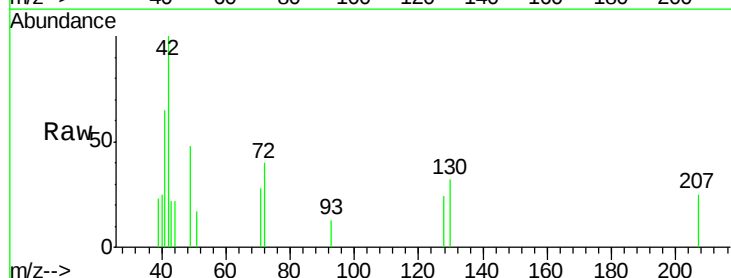
RT: 7.18 min Scan# 1680

Delta R.T. 0.01 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Tgt Ion:	49	Resp:	1519
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	64.5	55.0	82.4





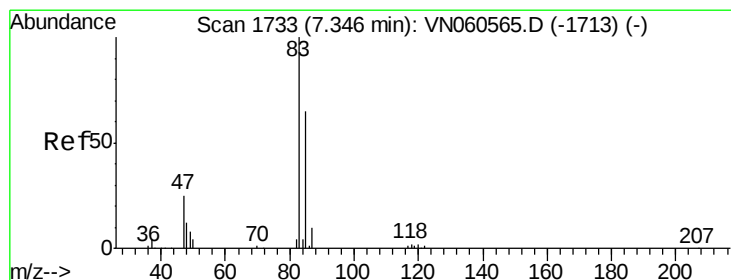
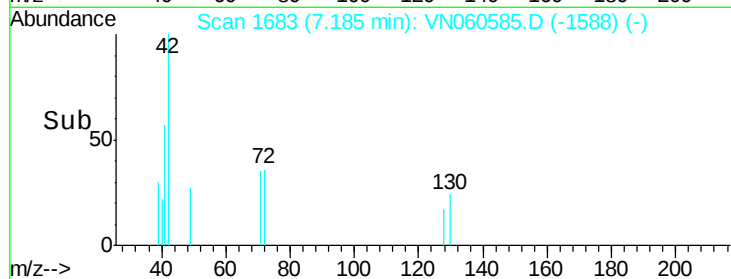
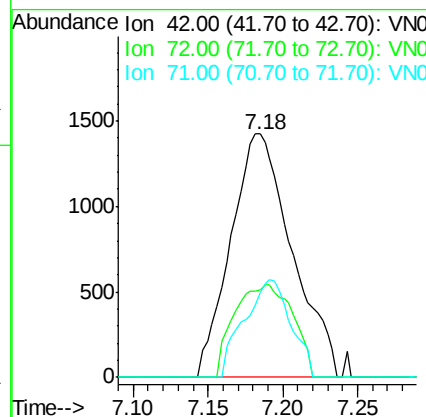
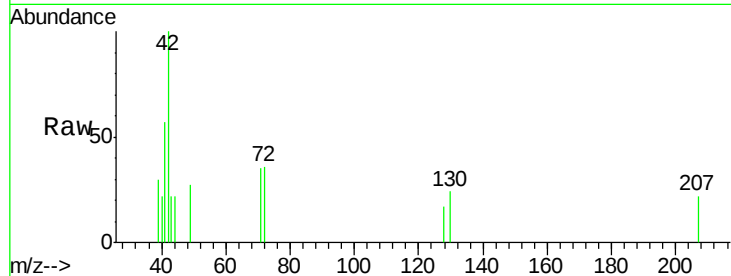
#29
Tetrahydrofuran
Concen: 3.532 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.4	33.2	49.8
71	30.7	31.1	46.7#

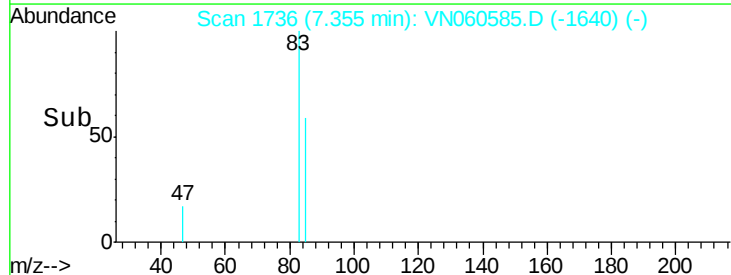
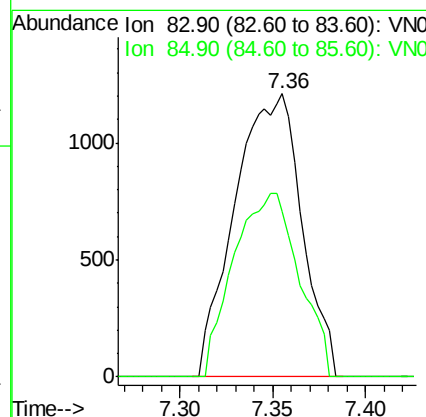
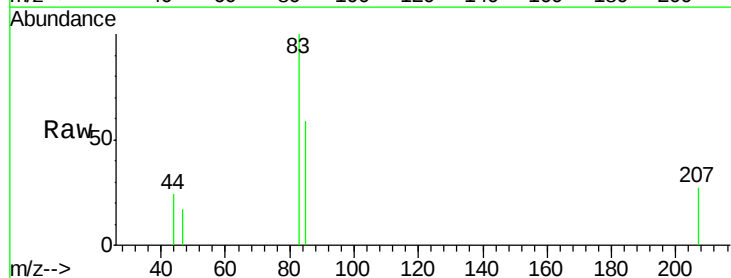
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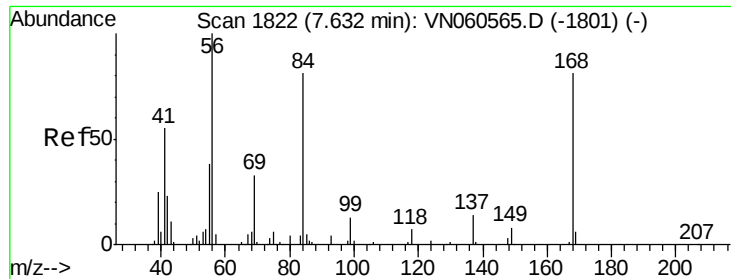
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#30
Chloroform
Concen: 0.702 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.01 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.6	51.8	77.8





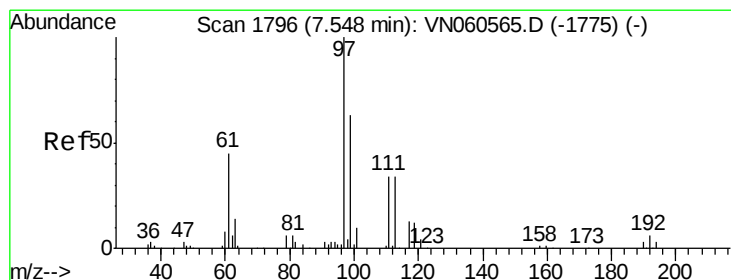
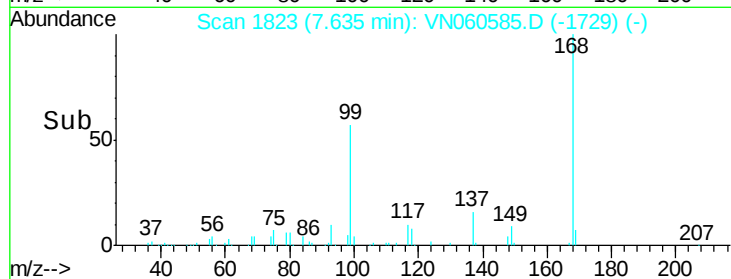
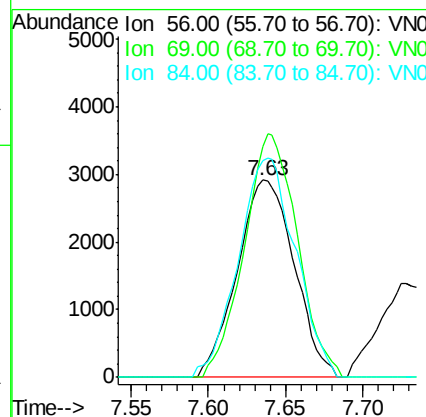
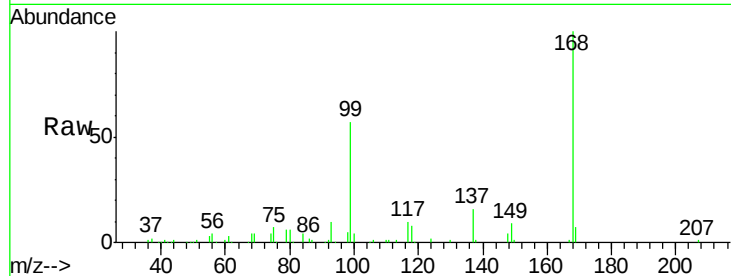
#31
Cyclohexane
Concen: 1.643 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Lower	Upper
56	100		
69	117.3	26.6	40.0#
84	109.8	64.3	96.5#

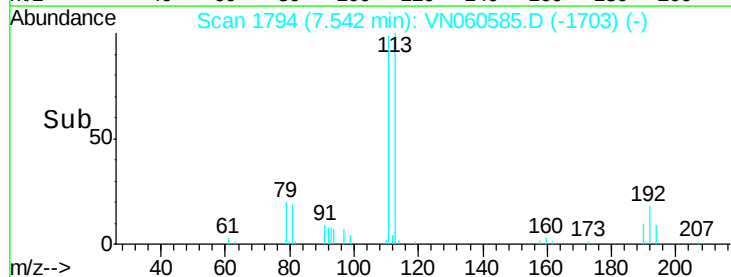
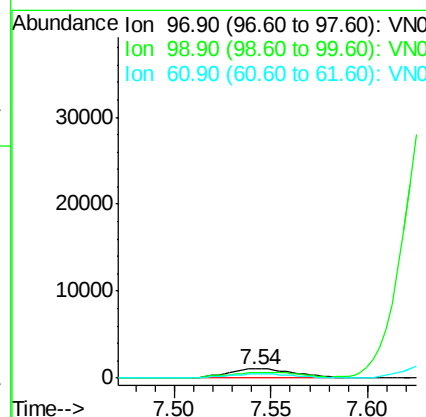
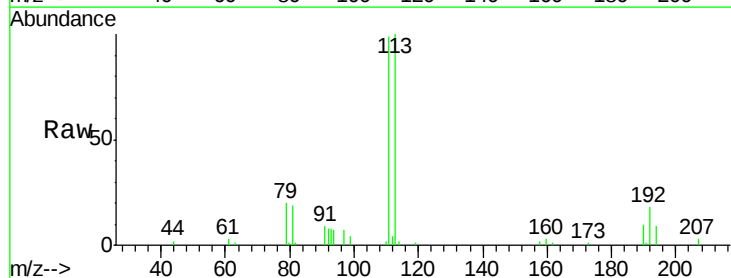
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 0.692 ug/l
RT: 7.54 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.6	75.8#
61	42.4	36.2	54.4





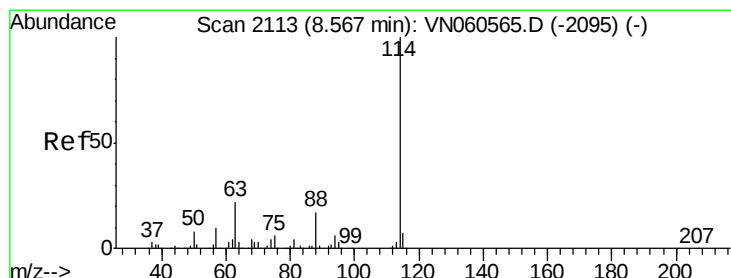
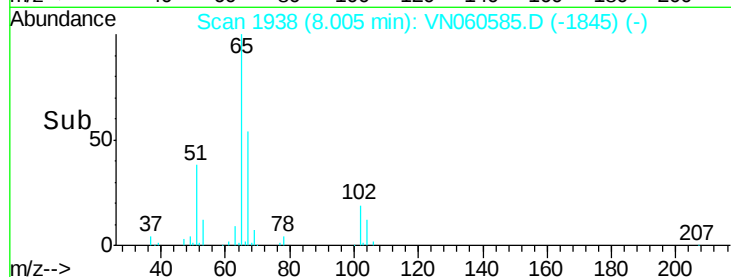
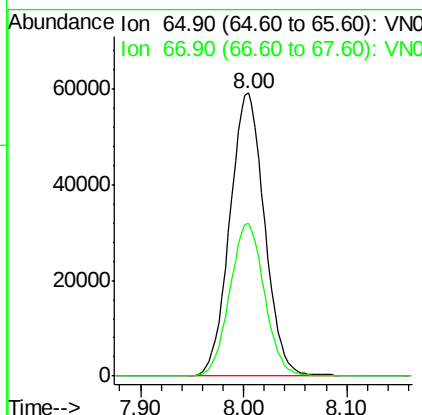
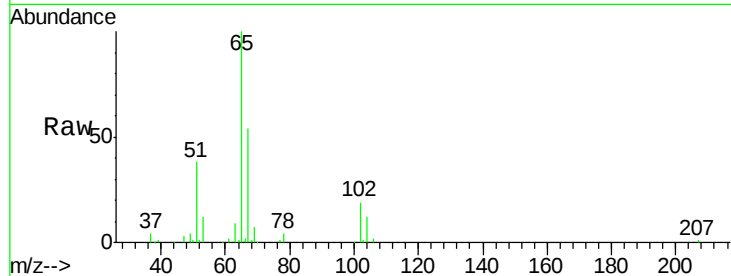
#33
 1,2-Dichloroethane-d4
 Concen: 49.069 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060585.D
 Acq: 18 Mar 2020 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.0	0.0	107.6	

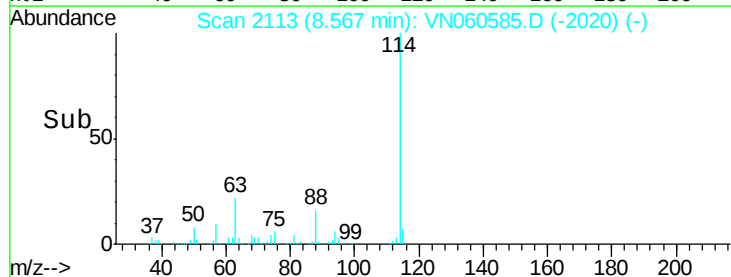
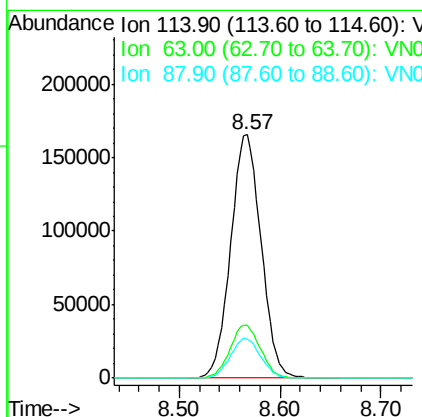
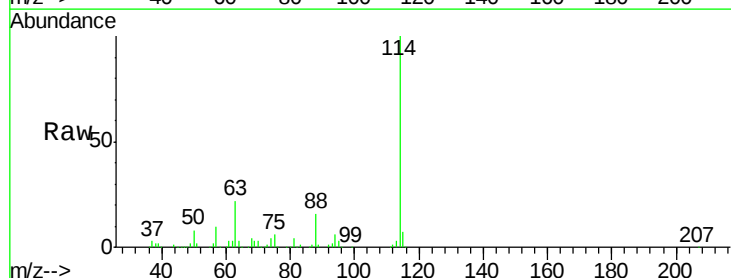
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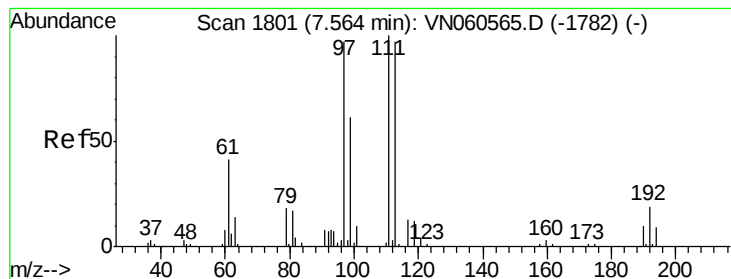
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060585.D
 Acq: 18 Mar 2020 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.5	0.0	43.8	
88	16.2	0.0	33.0	





#35

Dibromofluoromethane

Concen: 48.780 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Instrument :

MSVOA_N

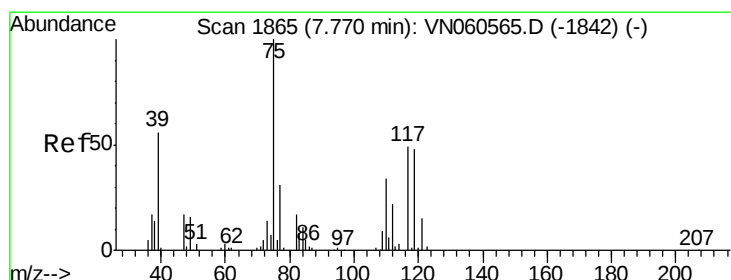
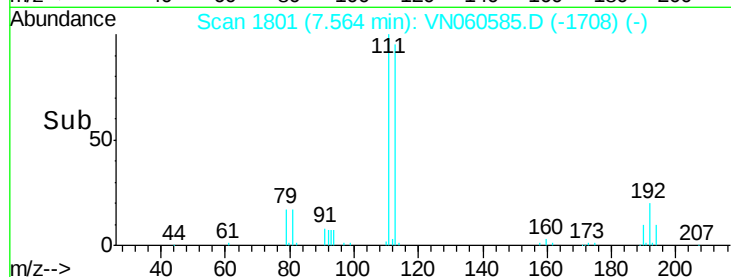
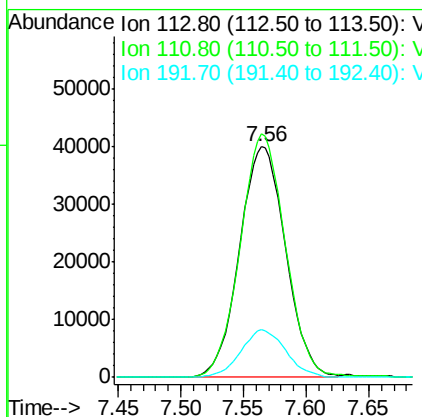
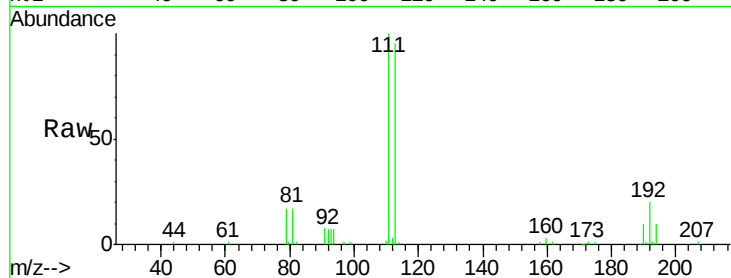
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	113	Resp:	102316
Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.9	124.3
192	20.1	15.8	23.8

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#36

1,1-Dichloropropene

Concen: 0.712 ug/l

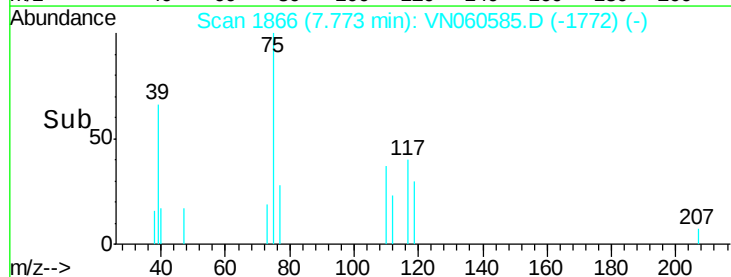
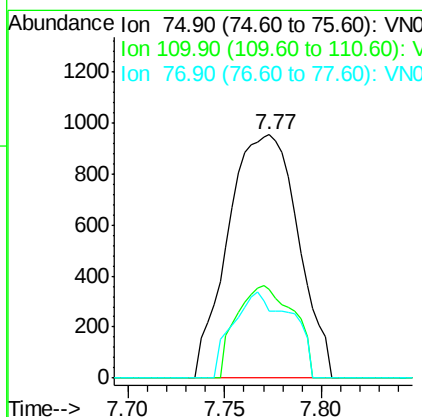
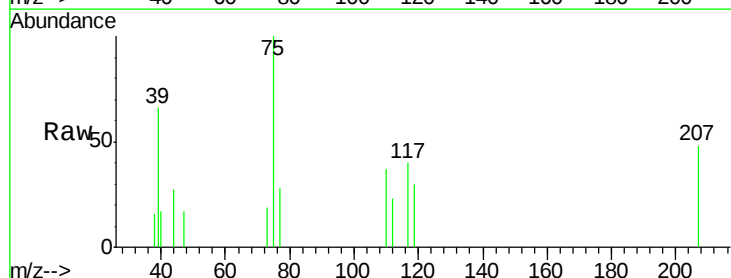
RT: 7.77 min Scan# 1866

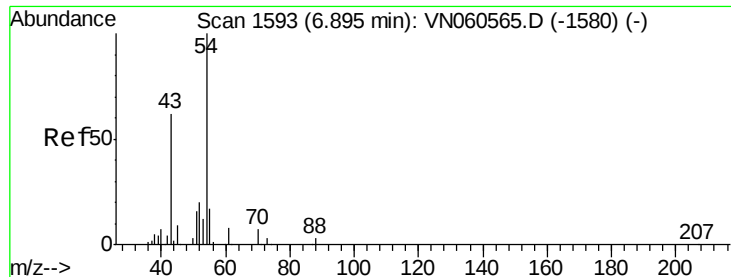
Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Tgt Ion:	75	Resp:	2393
Ion	Ratio	Lower	Upper
75	100		
110	31.1	16.9	50.6
77	29.6	24.6	36.8





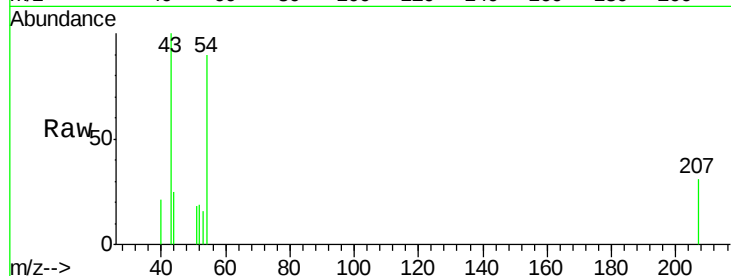
#37
Ethyl Acetate
Concen: 0.587 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	15.8#
70	0.0	7.9	11.9#

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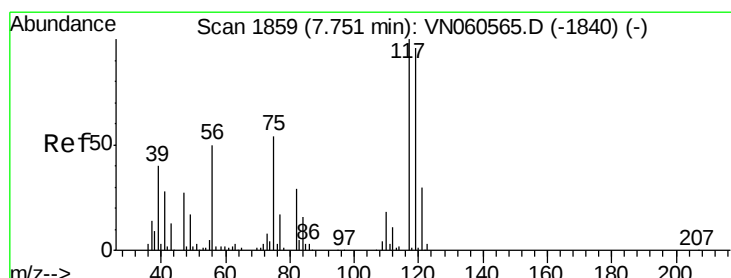
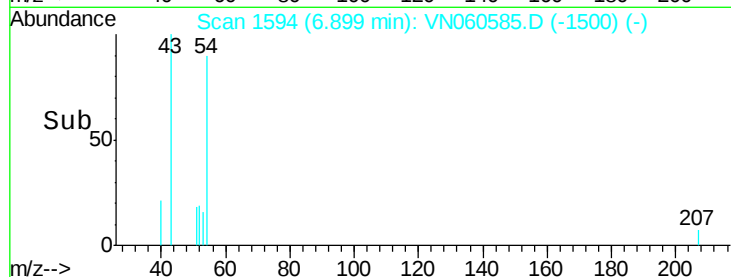
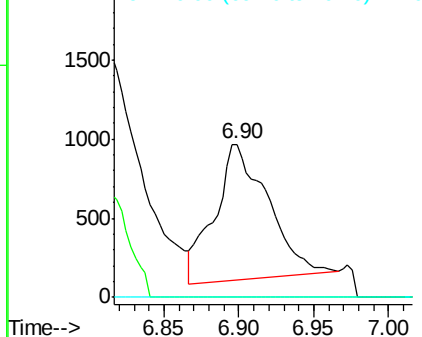
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Abundance Ion 43.00 (42.70 to 43.70): VN060585.D (-1580) (-)

Ion 60.90 (60.60 to 61.60): VN060585.D (-1580) (-)

Ion 70.00 (69.70 to 70.70): VN060585.D (-1580) (-)



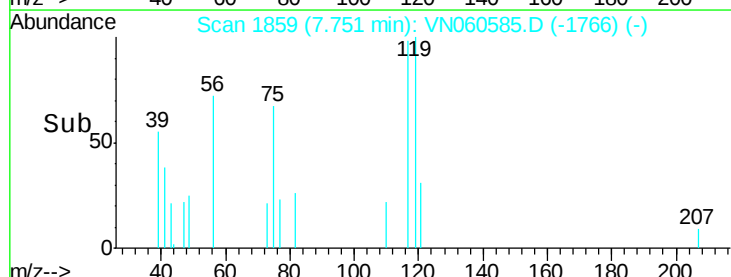
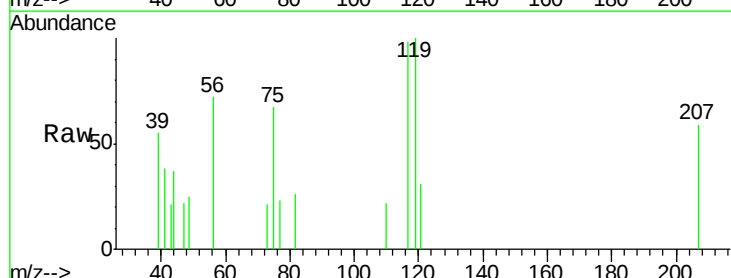
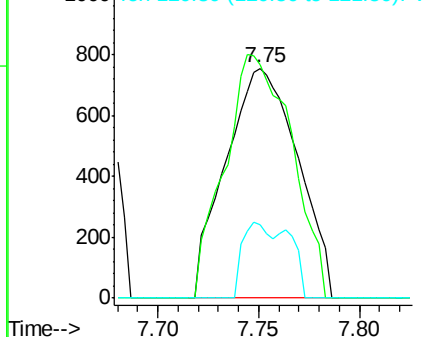
#38
Carbon Tetrachloride
Concen: 0.623 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

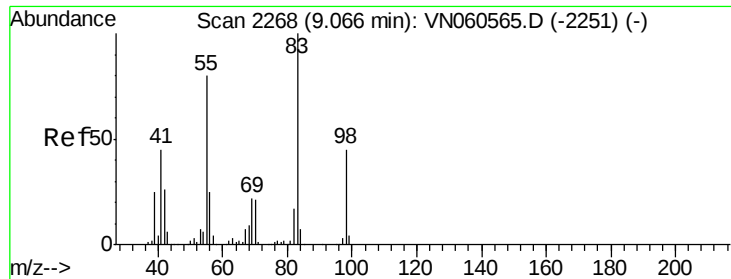
Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.7	76.2	114.2
121	31.9	23.7	35.5

Abundance Ion 116.80 (116.50 to 117.50): VN060585.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN060585.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060585.D (-1766) (-)





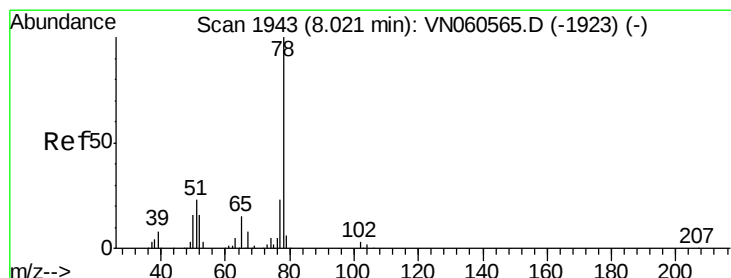
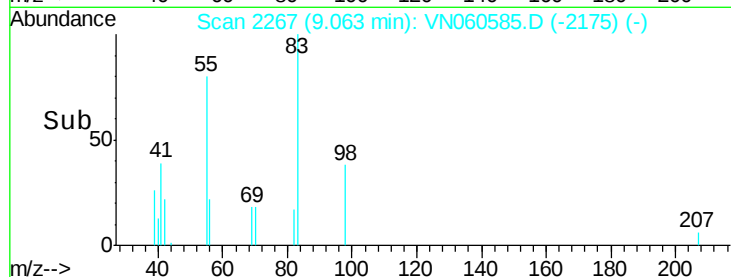
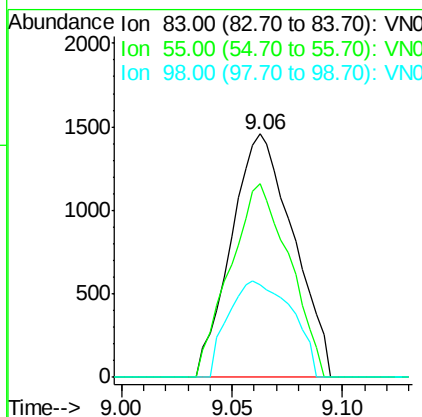
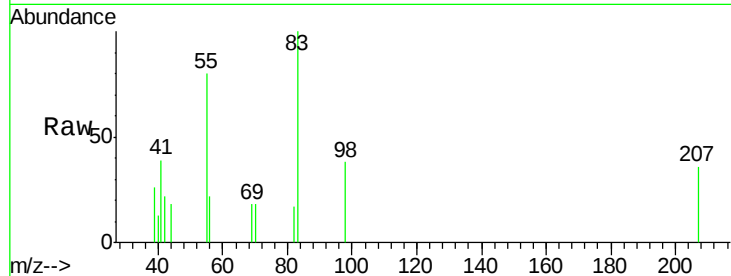
#39
Methvlcvclohexane
Concen: 0.711 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
83	100	2840		
55	79.6		63.6	95.4
98	38.1		36.0	54.0

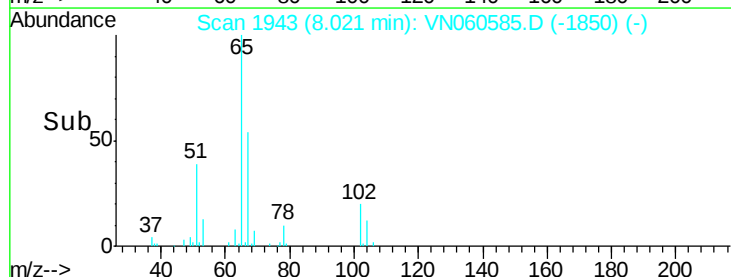
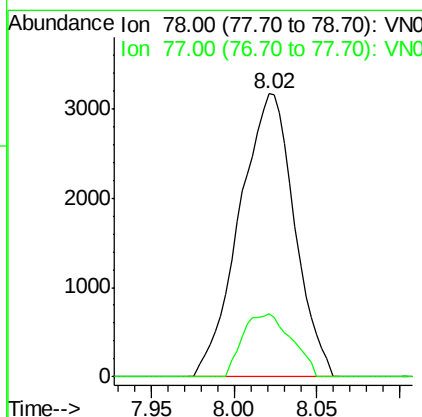
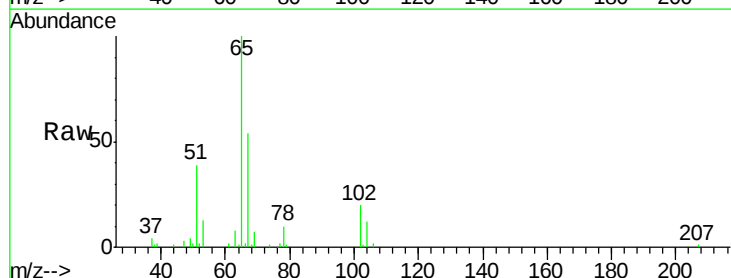
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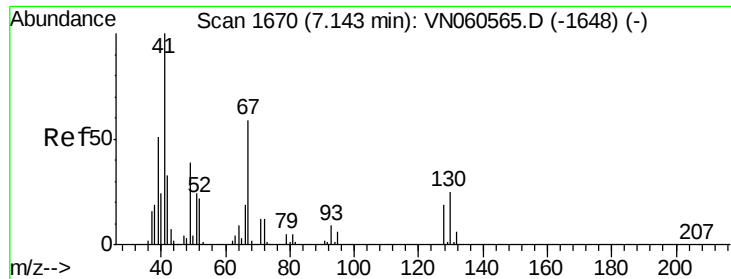
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#40
Benzene
Concen: 0.723 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	7332		
77	22.4		18.6	28.0





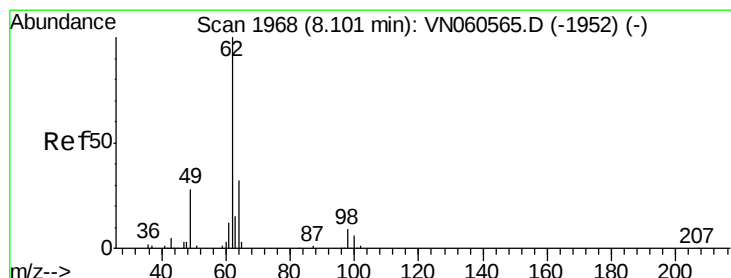
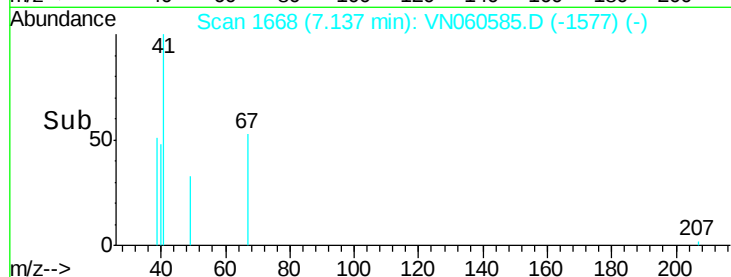
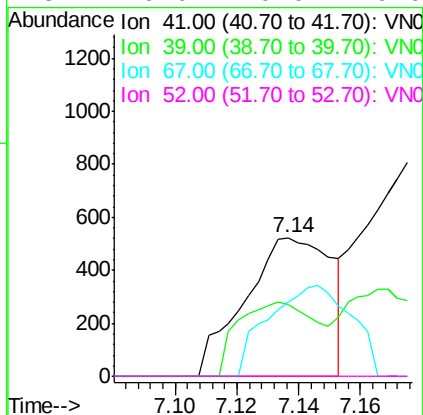
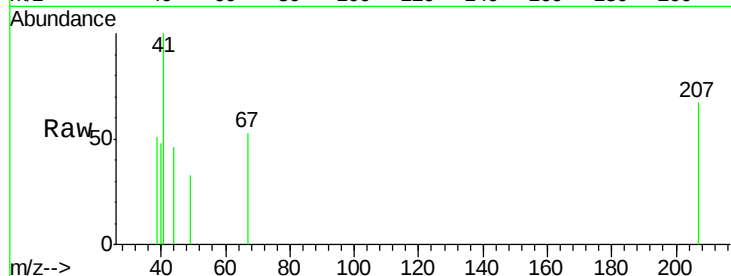
#41
Methacrylonitrile
Concen: 0.659 ug/l
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.2	0.0	0.0#
67	62.2	0.0	0.0#
52	0.0	0.0	0.0

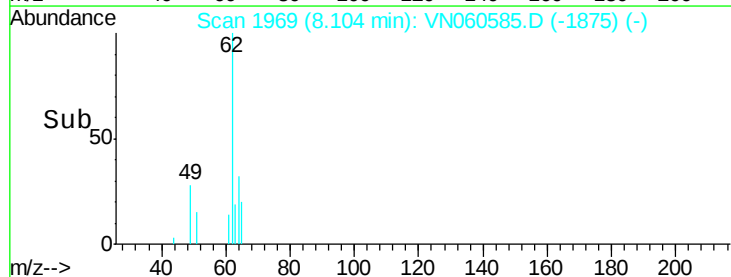
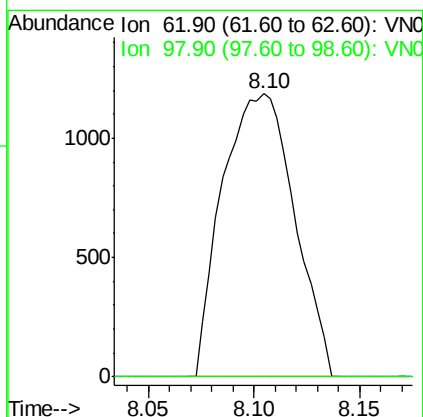
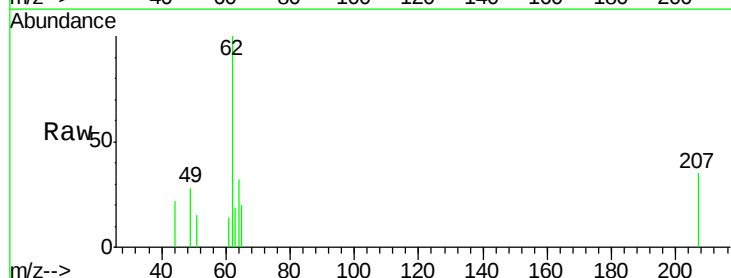
Manual Integrations
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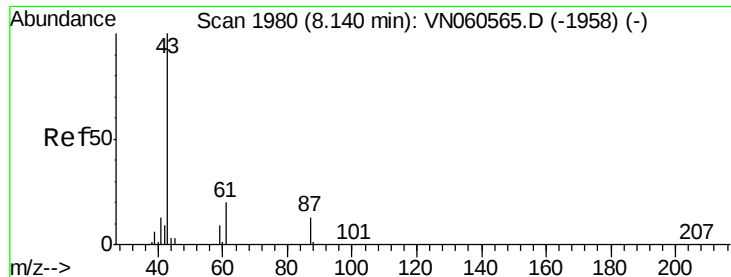
MMDadoda
3/19/2020 1:03:25 PM



#42
1,2-Dichloroethane
Concen: 0.811 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	17.8





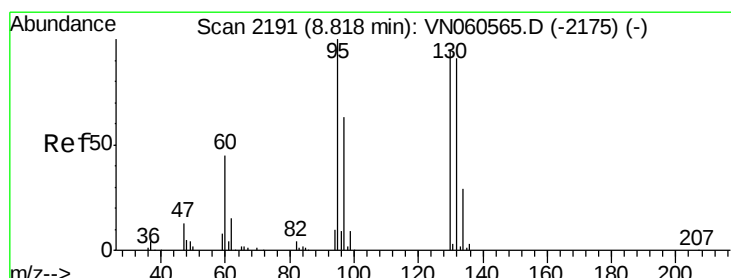
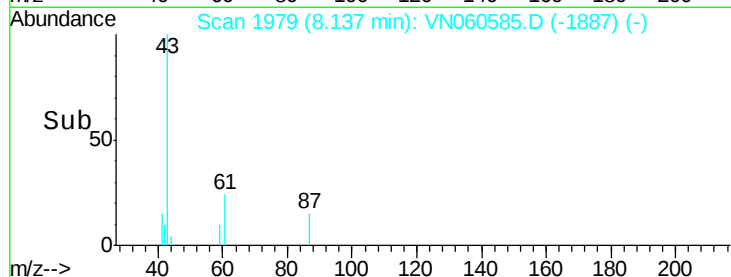
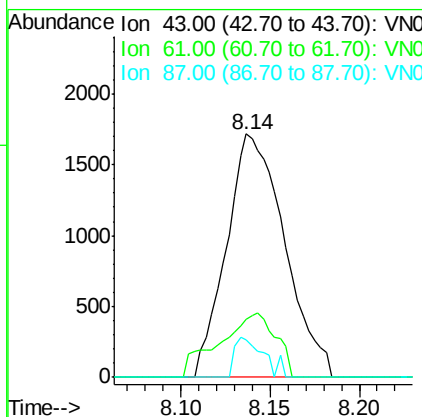
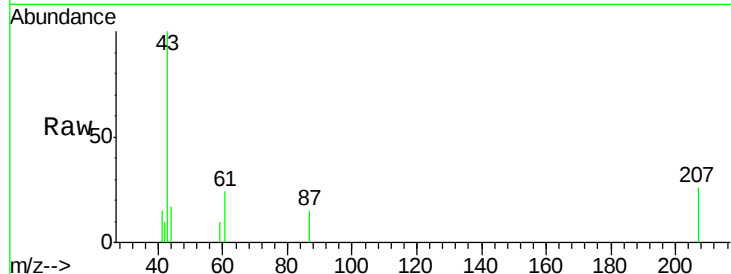
#43
Isopropyl Acetate
Concen: 0.651 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.7	31.1
87	8.1	9.8	14.8

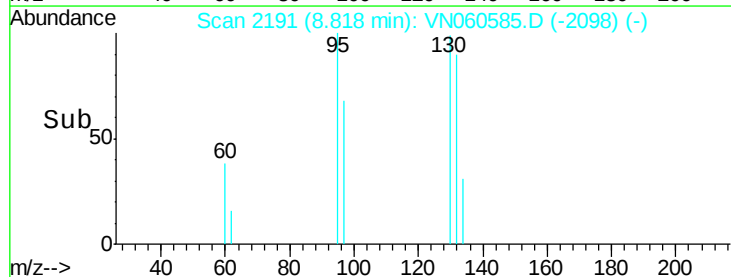
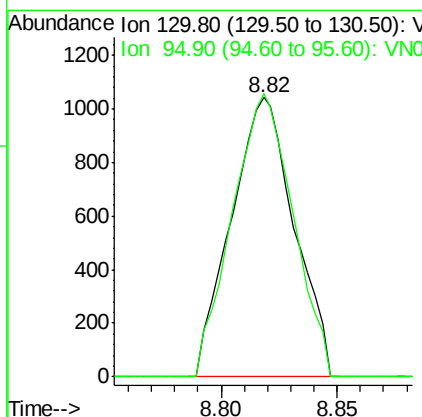
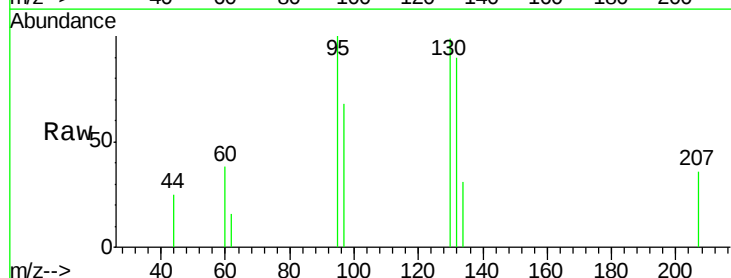
Manual Integrations
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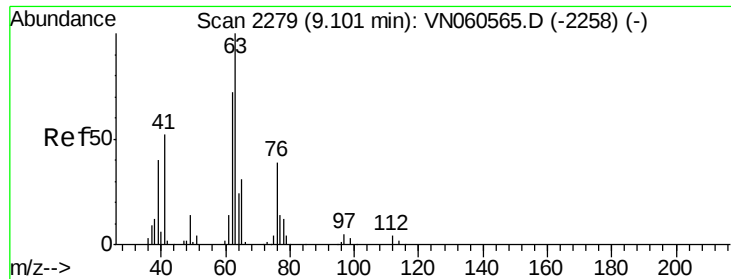
MMDadoda
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#44
Trichloroethene
Concen: 0.768 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	211.2





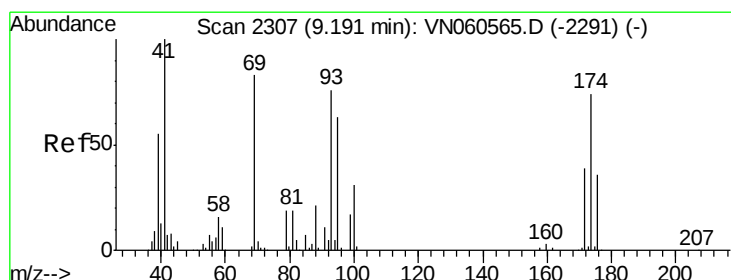
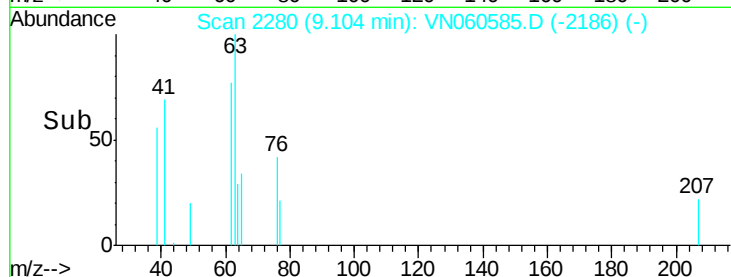
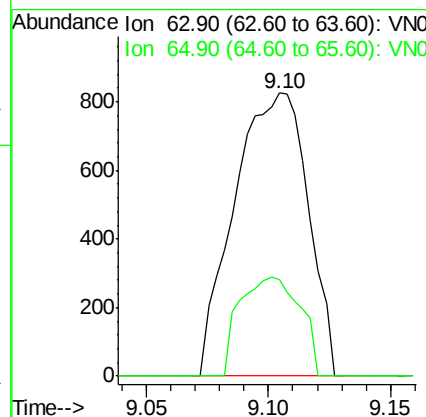
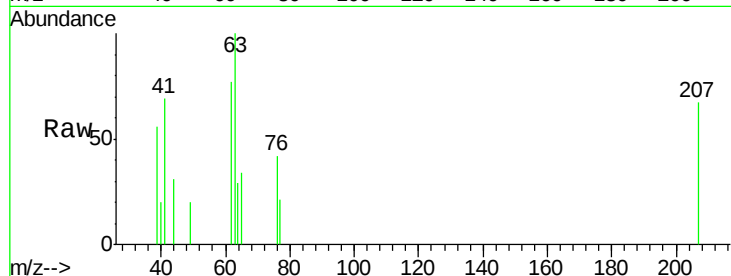
#45
 1,2-Dichloropropane
 Concen: 0.646 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN060585.D
 Acq: 18 Mar 2020 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 63 Resp: 1728
 Ion Ratio Lower Upper
 63 100
 65 33.9 25.4 38.0

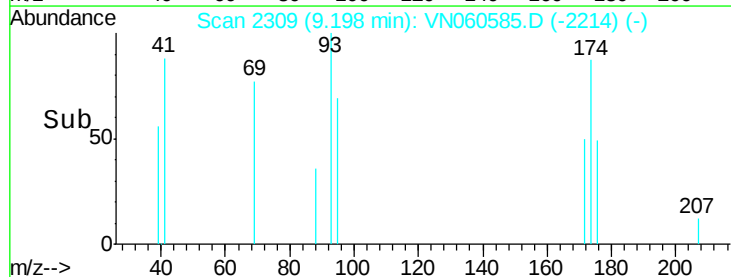
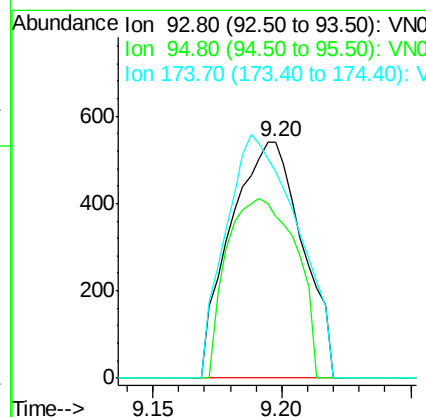
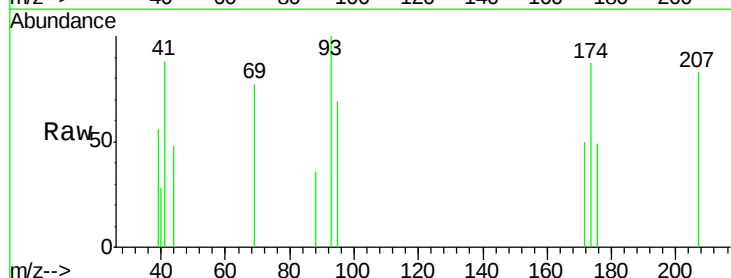
Manual Integrations
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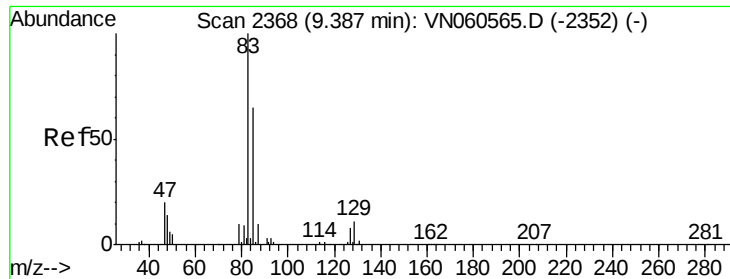
MMDadoda
 3/19/2020 1:03:25 PM



#46
 Dibromomethane
 Concen: 0.647 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.01 min
 Lab File: VN060585.D
 Acq: 18 Mar 2020 12:39

Tgt Ion: 93 Resp: 1046
 Ion Ratio Lower Upper
 93 100
 95 73.4 66.2 99.4
 174 102.9 77.9 116.9





#47

Bromodichloromethane

Concen: 0.611 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Instrument :

MSVOA_N

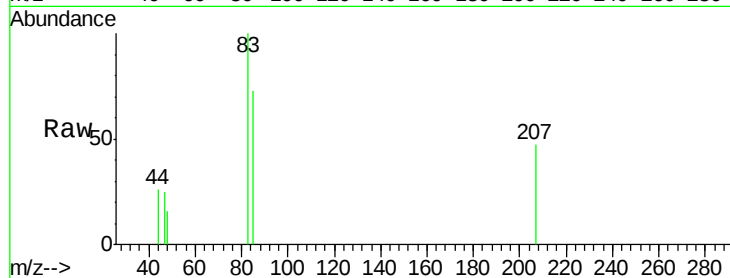
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	83	Resp:	2054
Ion	Ratio	Lower	Upper
83	100		
85	73.1	51.8	77.6
127	0.0	6.5	9.7#

Manual Integrations
APPROVED

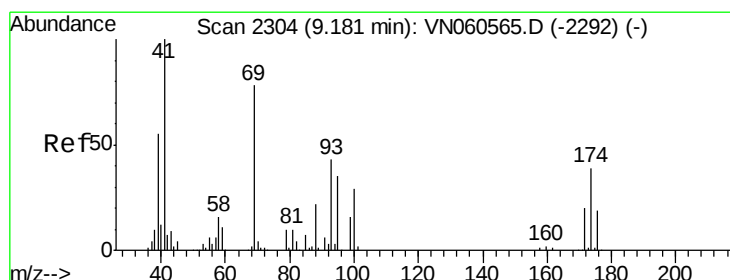
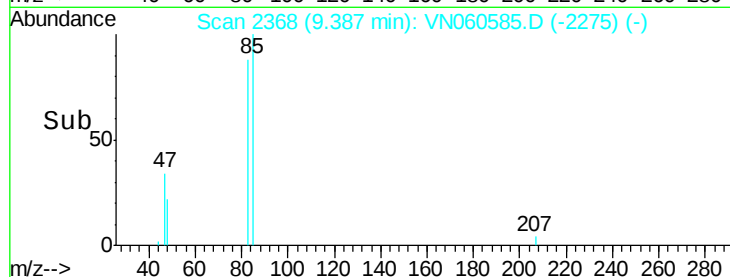
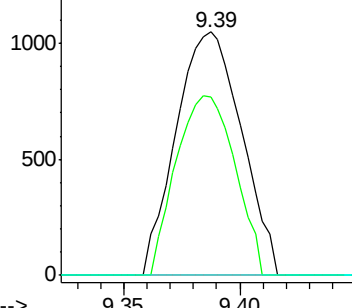
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN060585.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060585.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060585.D (-2275) (-)



#48

Methyl methacrylate

Concen: 0.632 ug/l

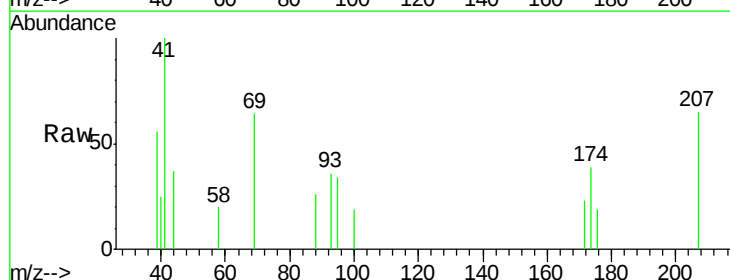
RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

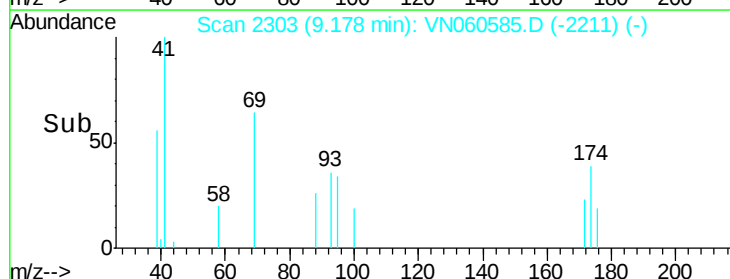
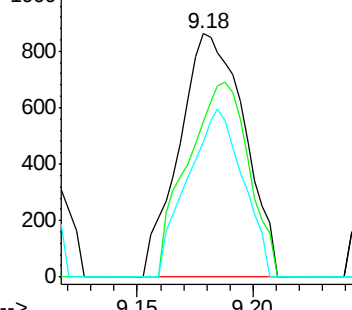
Tgt Ion:	41	Resp:	1684
Ion	Ratio	Lower	Upper
41	100		
69	75.2	65.4	98.0
39	58.7	44.0	66.0

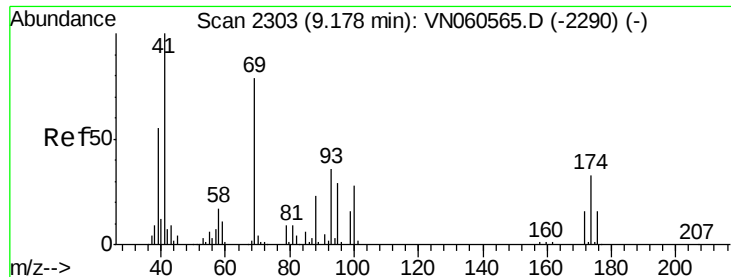


Abundance Ion 41.00 (40.70 to 41.70): VN060585.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060585.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060585.D (-2211) (-)





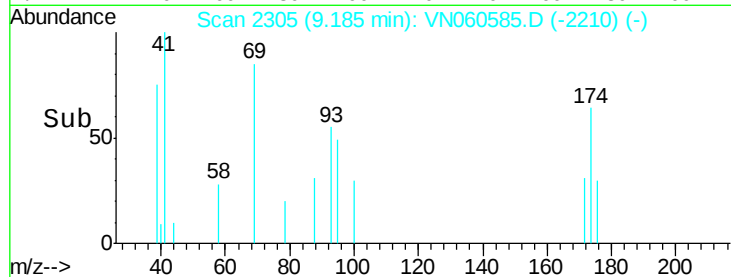
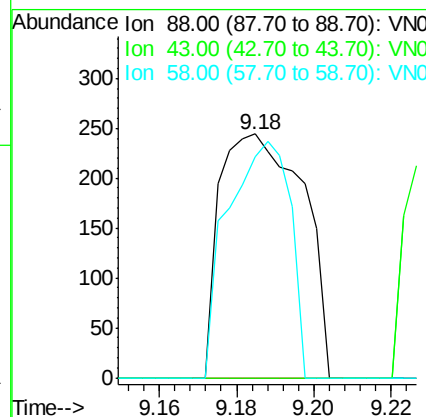
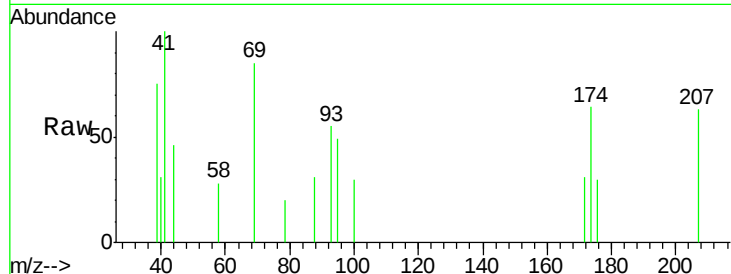
#49
1,4-Dioxane
Concen: 11.523 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.01 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.8	46.2#
58	72.6	59.8	89.8

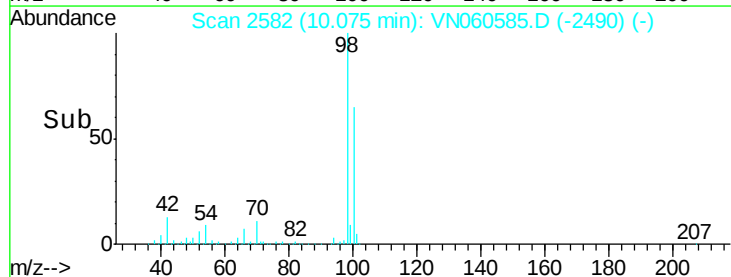
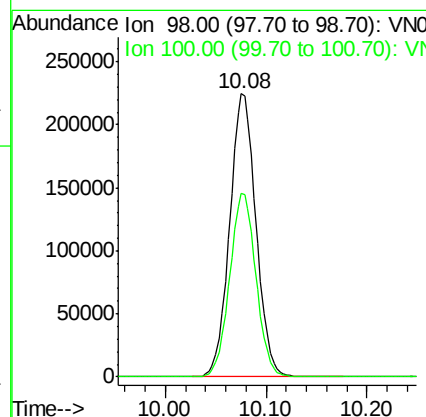
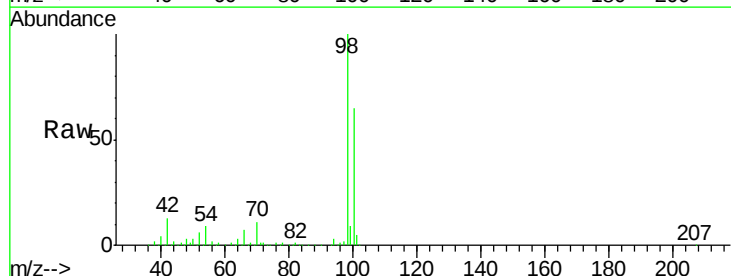
Manual Integrations
APPROVED

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#50
Toluene-d8
Concen: 47.706 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 3.390 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 43 Resp: 11548

Ion Ratio Lower Upper

43 100

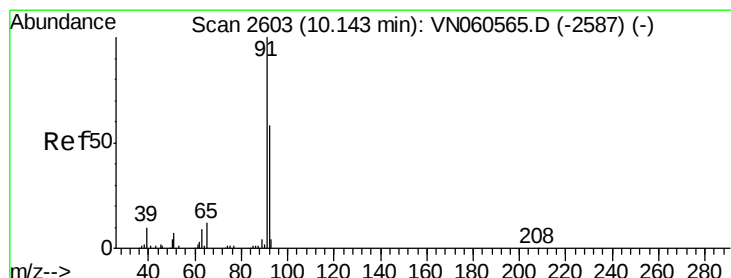
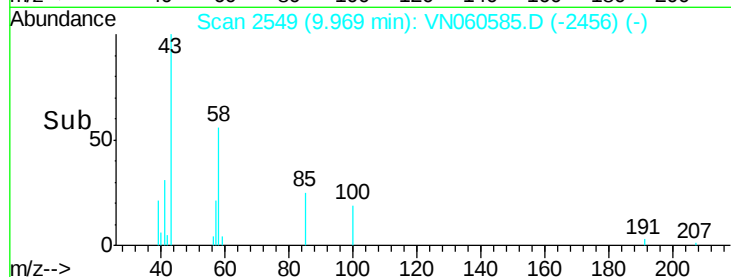
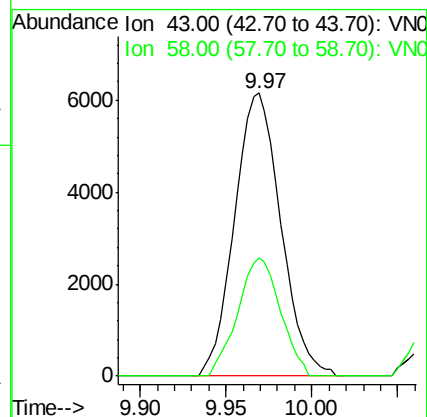
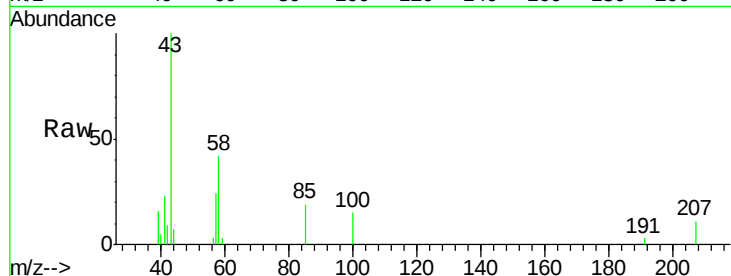
58 38.3 30.8 46.2

Manual Integrations

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#52

Toluene

Concen: 0.690 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060585.D

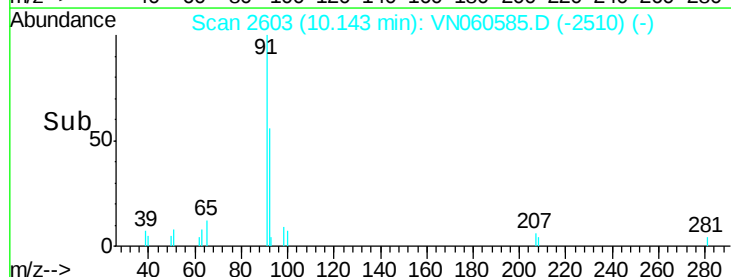
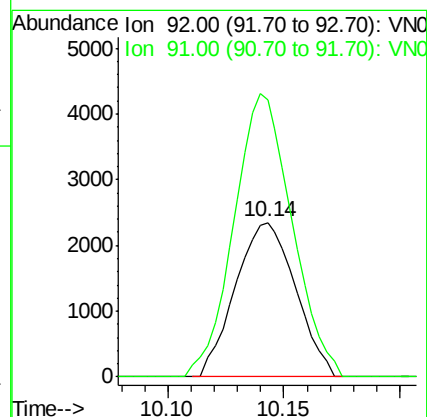
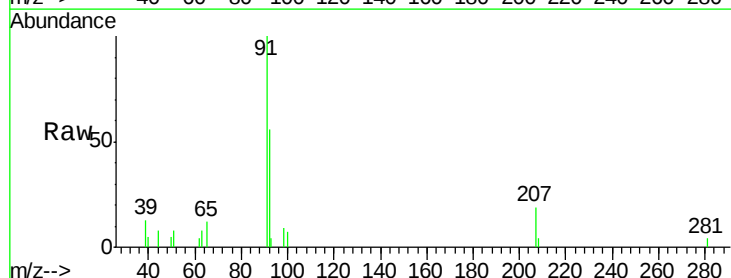
Acq: 18 Mar 2020 12:39

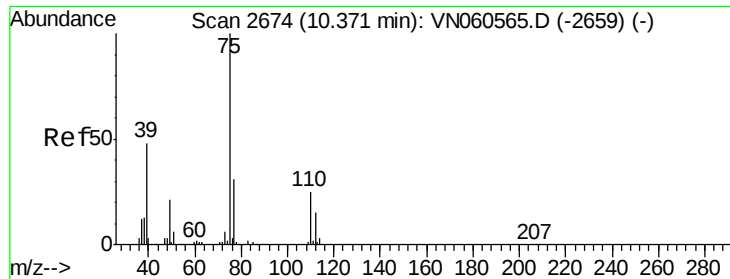
Tgt Ion: 92 Resp: 4228

Ion Ratio Lower Upper

92 100

91 176.8 137.6 206.4





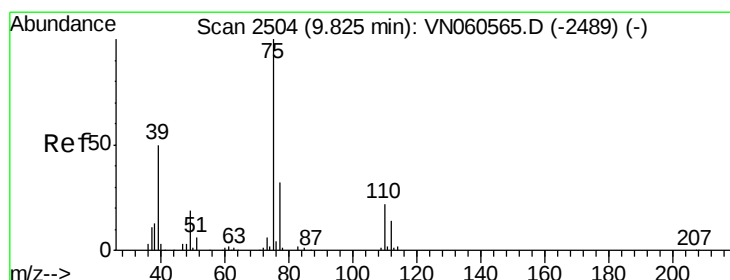
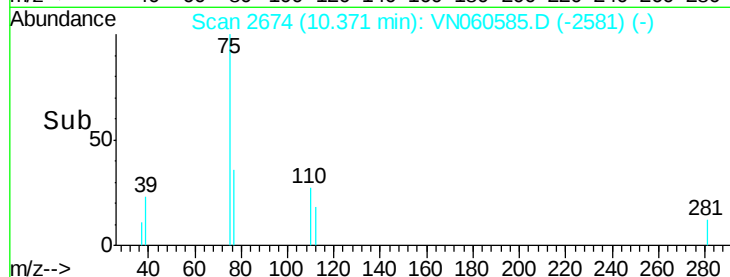
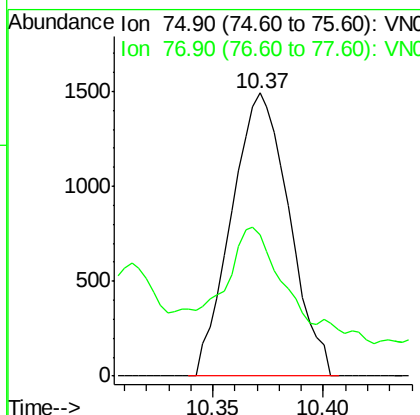
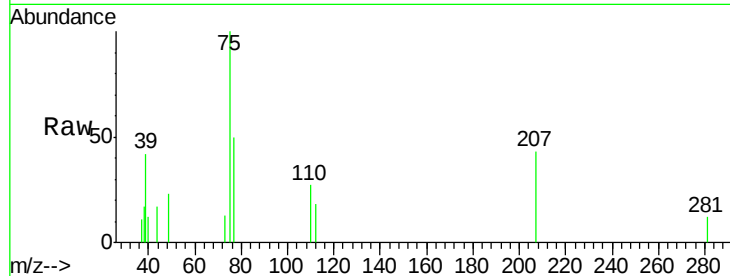
#53
t-1,3-Dichloropropene
Concen: 0.700 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 75 Resp: 2702
Ion Ratio Lower Upper
75 100
77 33.4 25.1 37.7

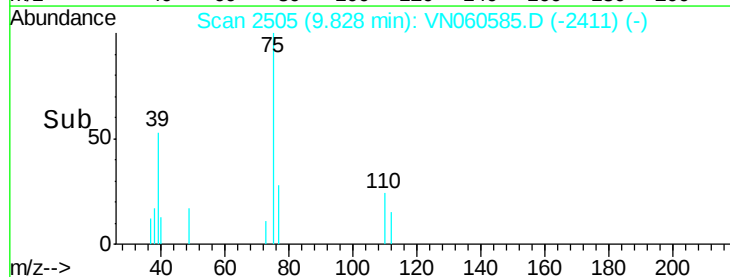
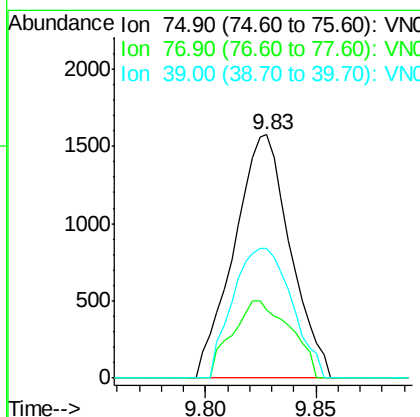
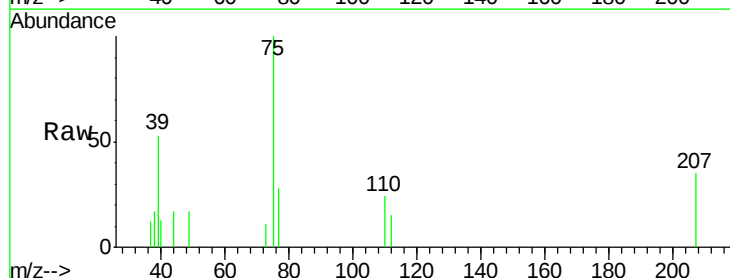
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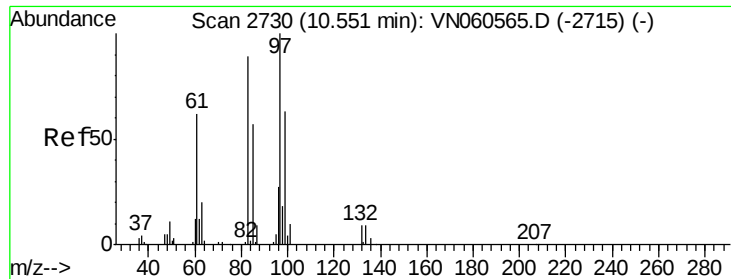
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#54
cis-1,3-Dichloropropene
Concen: 0.655 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Tgt Ion: 75 Resp: 2776
Ion Ratio Lower Upper
75 100
77 28.3 25.4 38.0
39 53.4 40.2 60.4





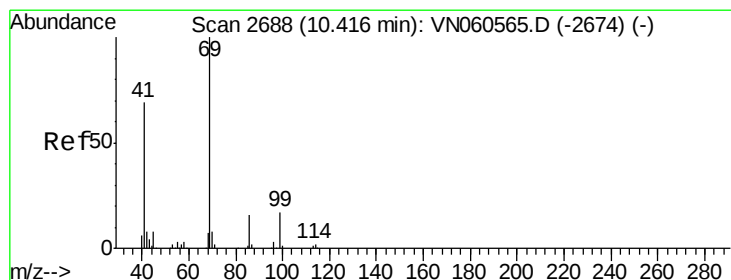
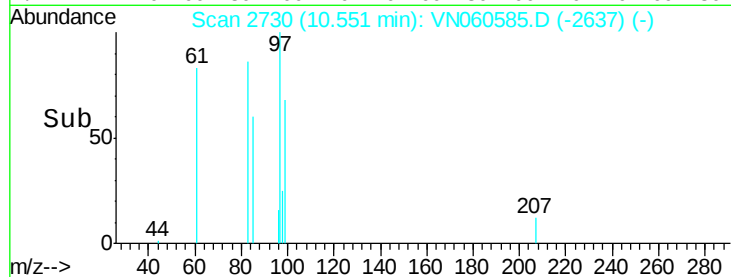
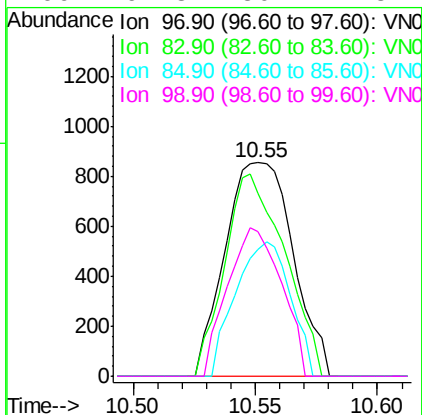
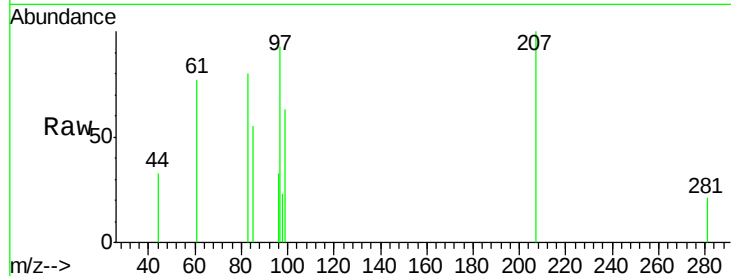
#55
 1,1,2-Trichloroethane
 Concen: 0.704 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060585.D
 Acq: 18 Mar 2020 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		1658		
83	85.8	71.3	106.9		
85	59.5	45.2	67.8		
99	67.8	50.1	75.1		

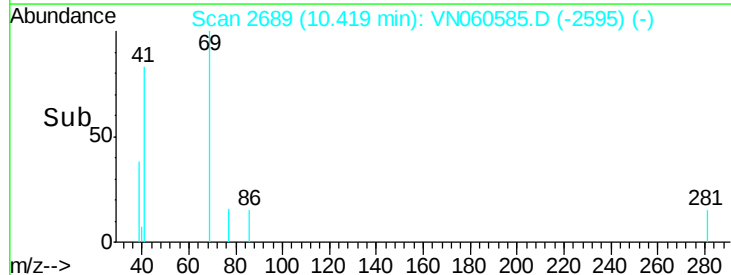
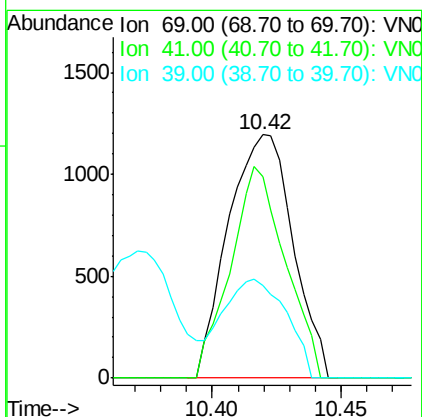
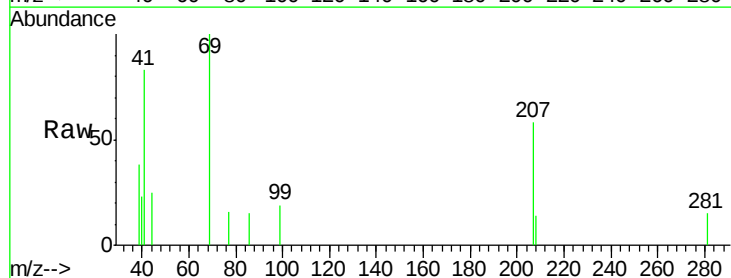
Manual Integrations
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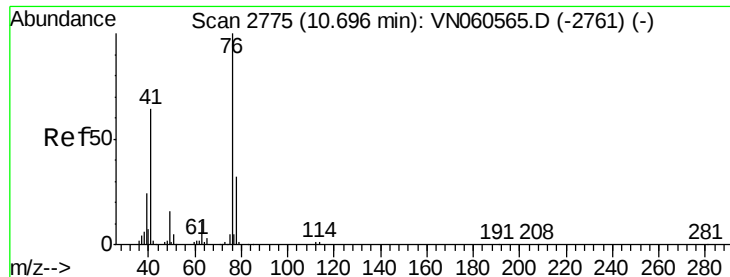
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#56
 Ethyl methacrylate
 Concen: 0.568 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN060585.D
 Acq: 18 Mar 2020 12:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		2086		
41	73.3	55.4	83.2		
39	39.5	29.4	44.0		





#57

1,3-Dichloropropane

Concen: 0.663 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 76 Resp: 2709

Ion Ratio Lower Upper

76 100

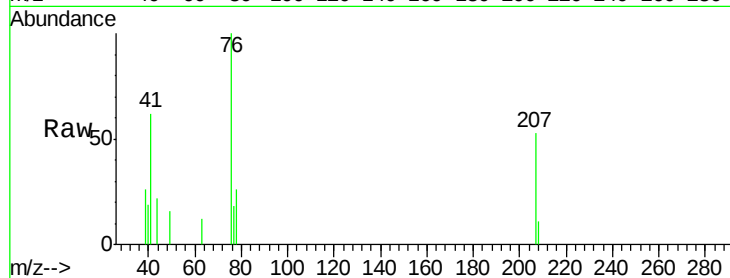
78 15.9 25.8 38.6#

Manual Integrations

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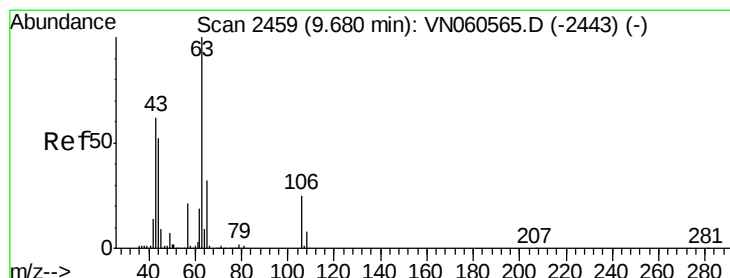
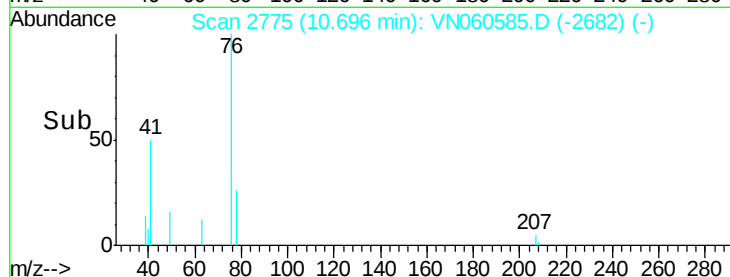
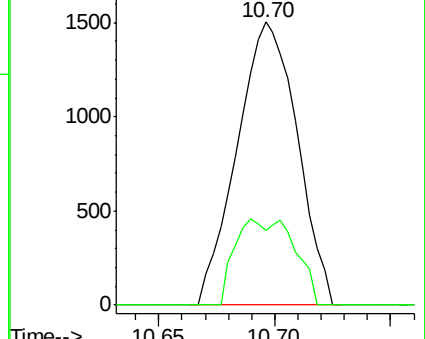
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 3.079 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060585.D

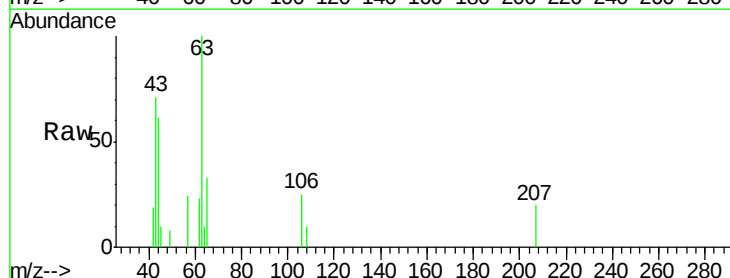
Acq: 18 Mar 2020 12:39

Tgt Ion: 63 Resp: 5621

Ion Ratio Lower Upper

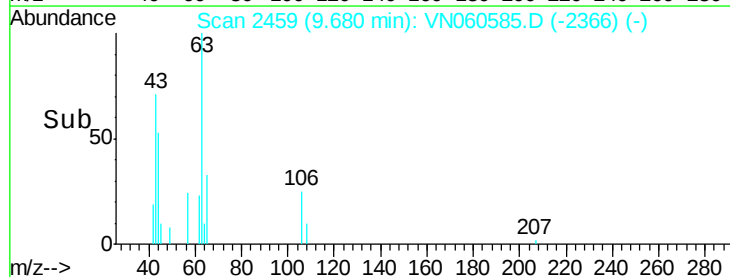
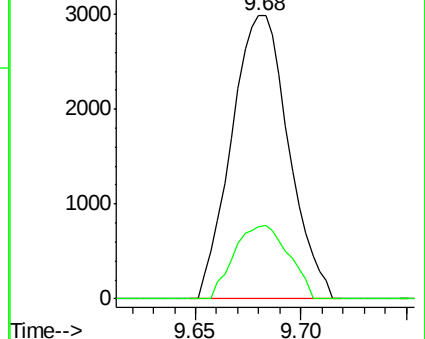
63 100

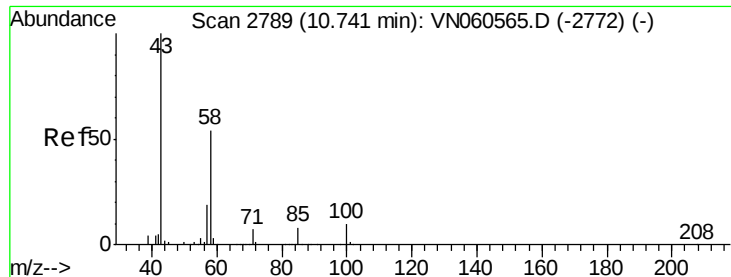
106 24.6 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





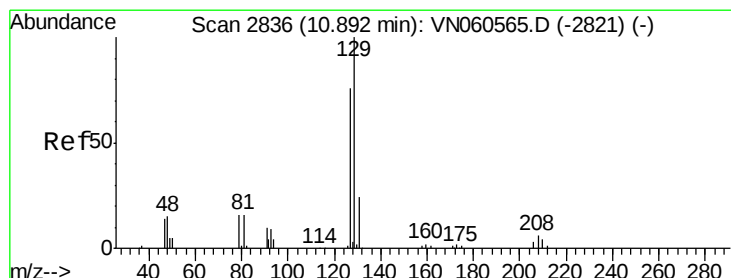
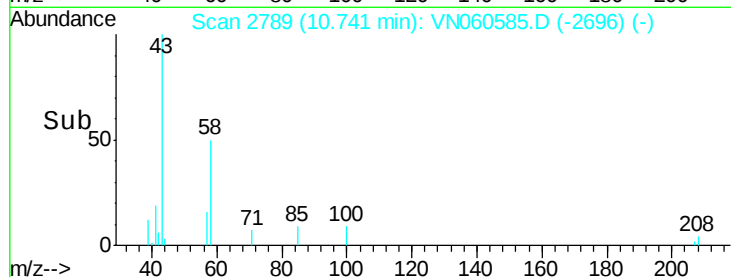
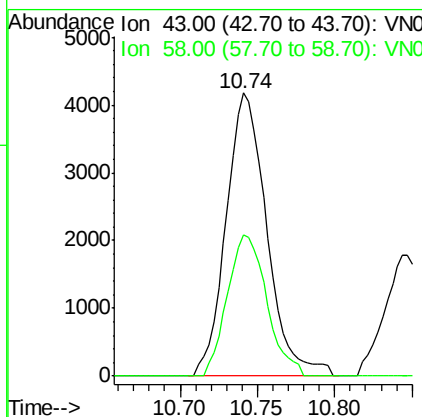
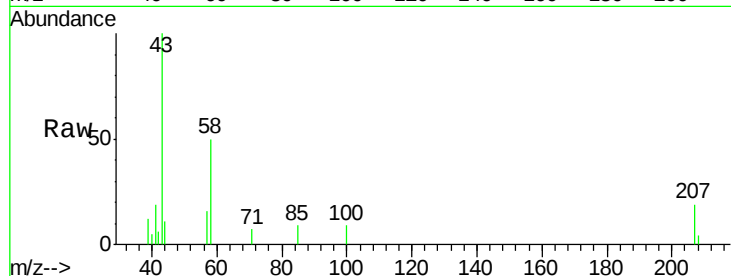
#59
2-Hexanone
Concen: 3.112 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 43 Resp: 7635
Ion Ratio Lower Upper
43 100
58 48.1 26.7 80.1

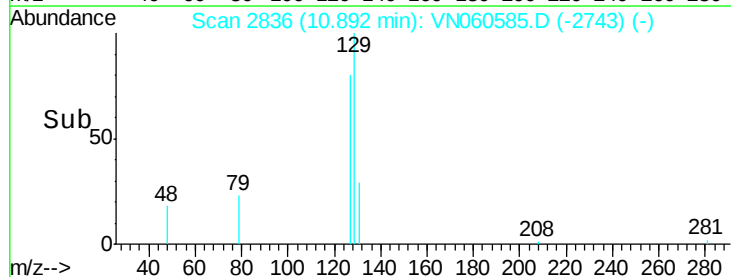
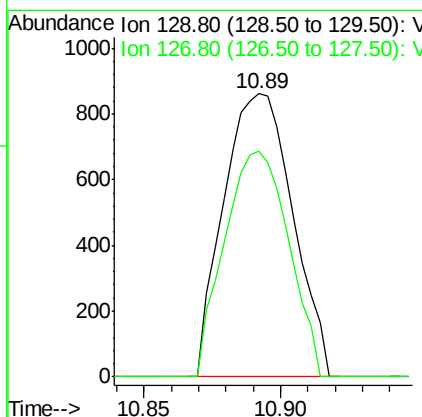
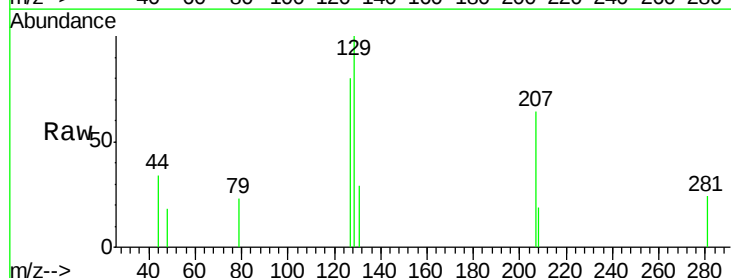
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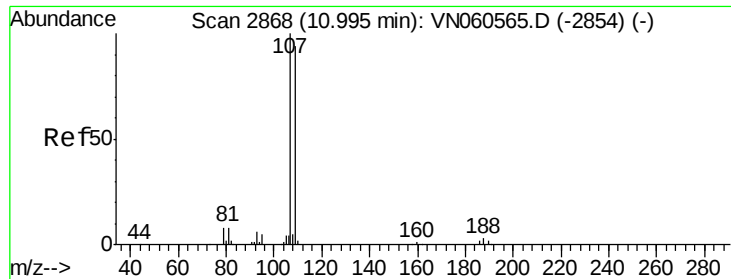
MMDadoda
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#60
Dibromochloromethane
Concen: 0.622 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Tgt Ion: 129 Resp: 1514
Ion Ratio Lower Upper
129 100
127 73.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 0.621 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:107 Resp: 1472

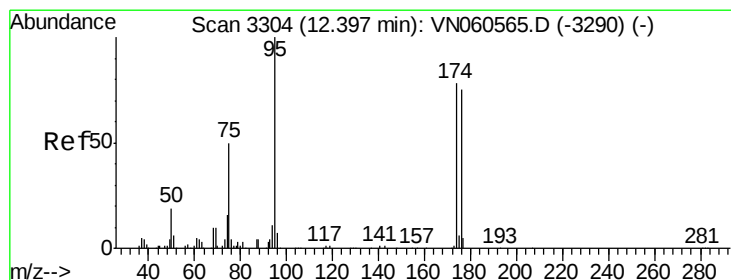
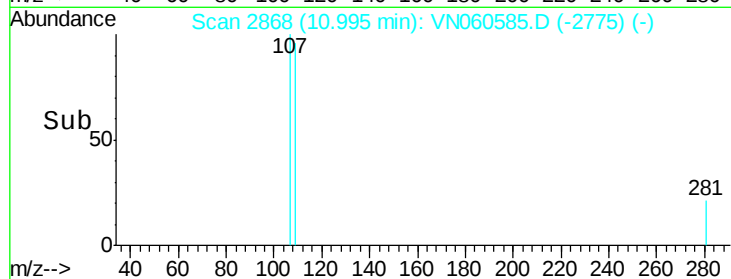
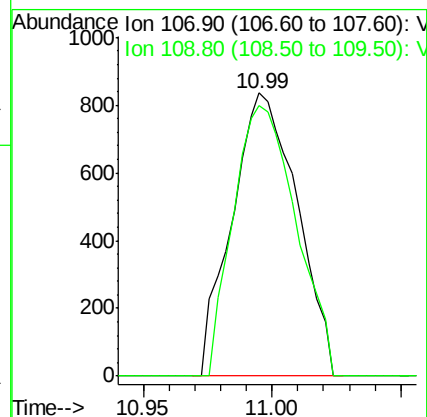
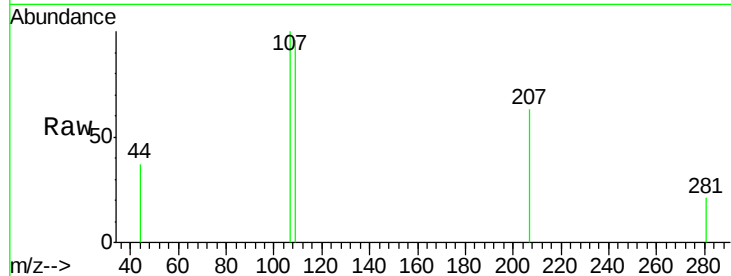
Ion Ratio Lower Upper

107 100

109 92.3 75.4 113.2

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#62

4-Bromofluorobenzene

Concen: 44.190 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

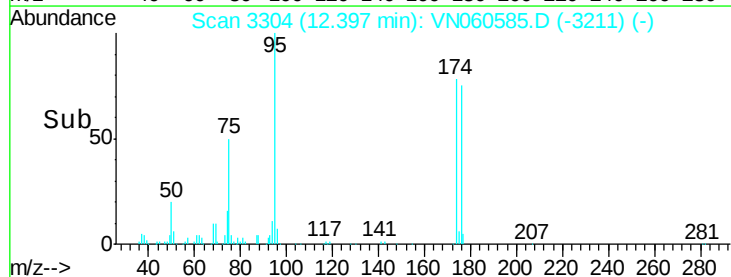
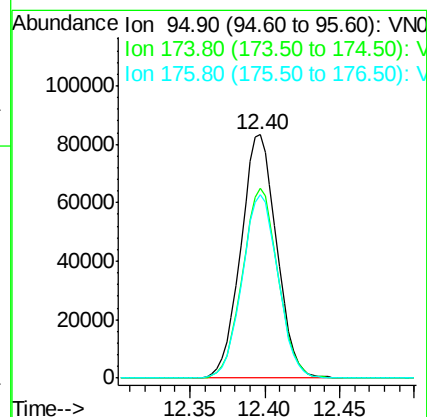
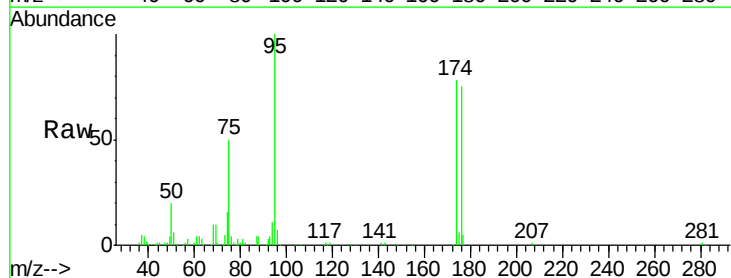
Tgt Ion: 95 Resp: 138751

Ion Ratio Lower Upper

95 100

174 77.2 0.0 157.6

176 75.3 0.0 150.6





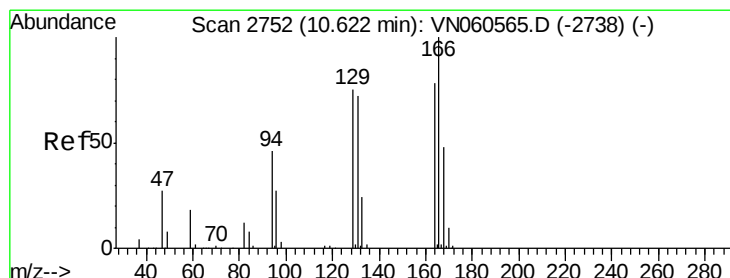
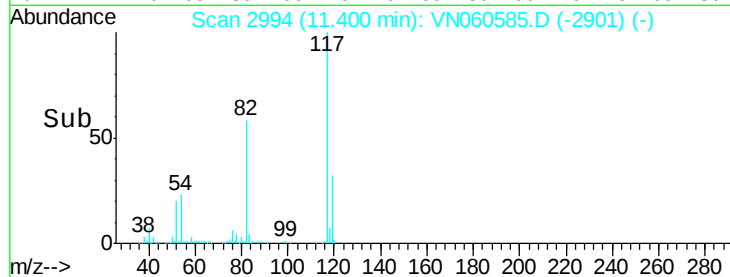
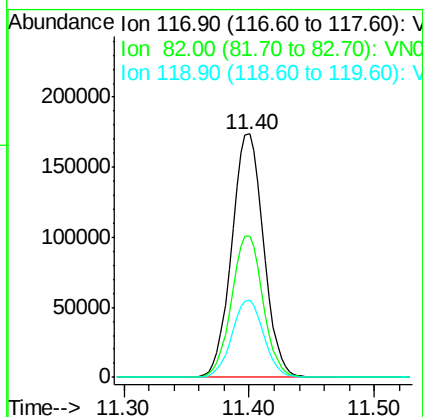
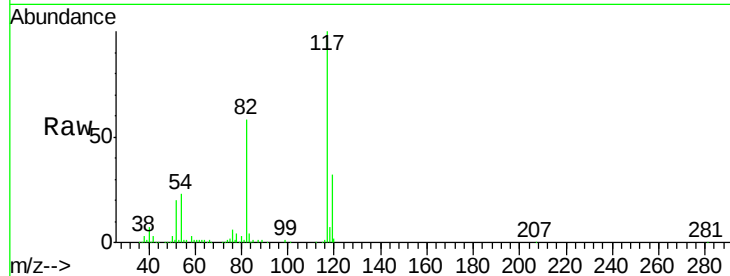
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
117	100	306504		
82	57.8	46.7	70.1	
119	31.7	25.5	38.3	

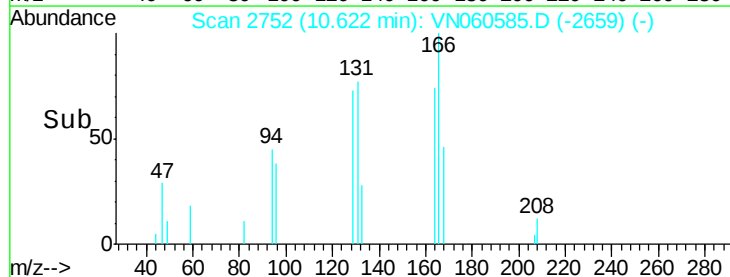
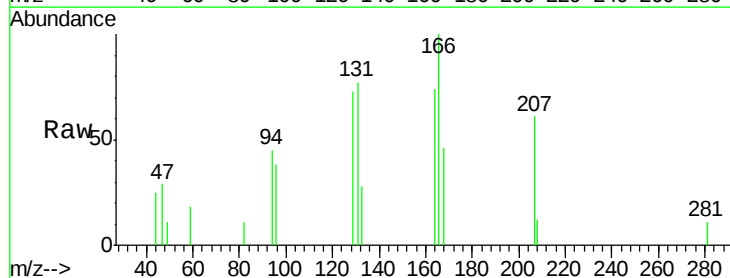
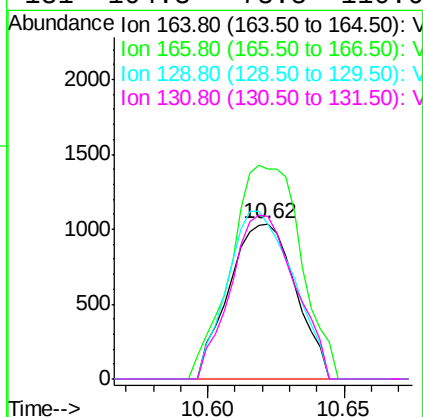
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#64
Tetrachloroethene
Concen: 0.729 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	1758		
166	135.6	102.7	154.1	
129	99.5	77.2	115.8	
131	104.3	73.8	110.6	





#65

Chlorobenzene

Concen: 0.765 ug/l

RT: 11.42 min Scan# 3001

Delta R.T. -0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:112 Resp: 4651

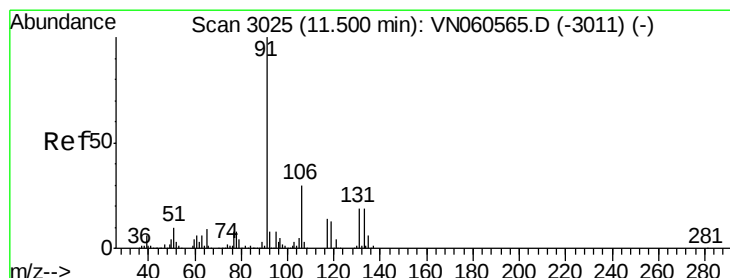
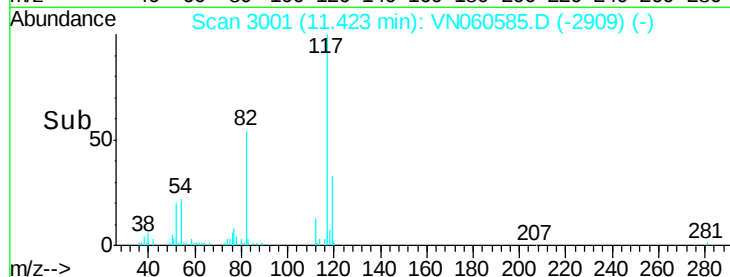
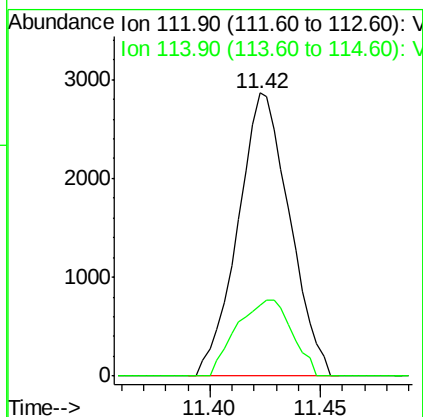
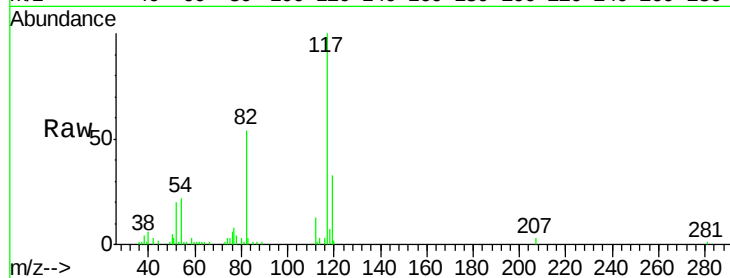
Ion Ratio Lower Upper

112 100

114 25.1 25.8 38.6#

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#66

1,1,1,2-Tetrachloroethane

Concen: 0.665 ug/l

RT: 11.50 min Scan# 3024

Delta R.T. -0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

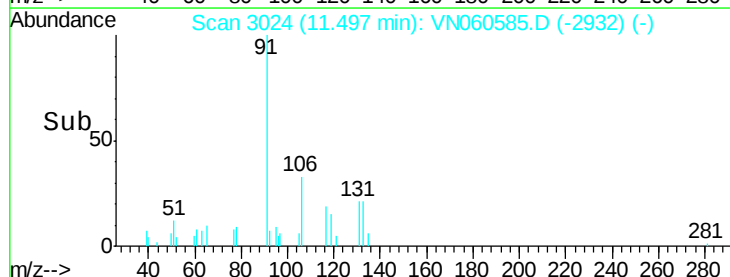
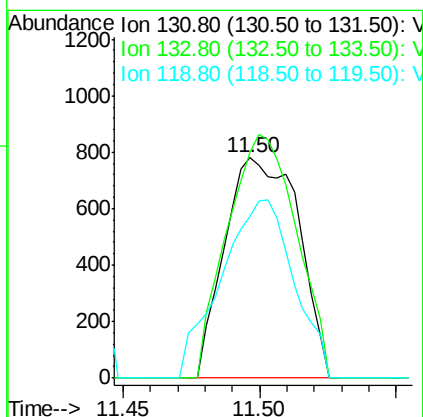
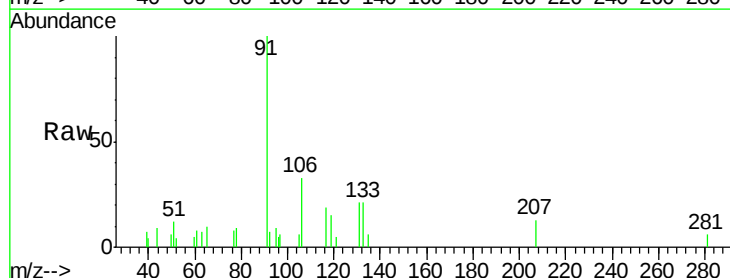
Tgt Ion:131 Resp: 1464

Ion Ratio Lower Upper

131 100

133 103.6 48.9 146.8

119 0.0 33.9 101.7#





#67

Ethyl Benzene

Concen: 0.711 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 91 Resp: 8030

Ion Ratio Lower Upper

91 100

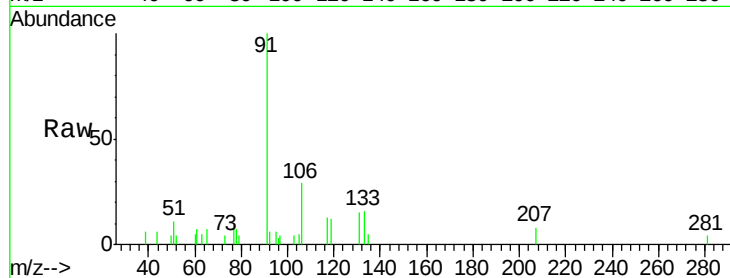
106 28.7 24.2 36.2

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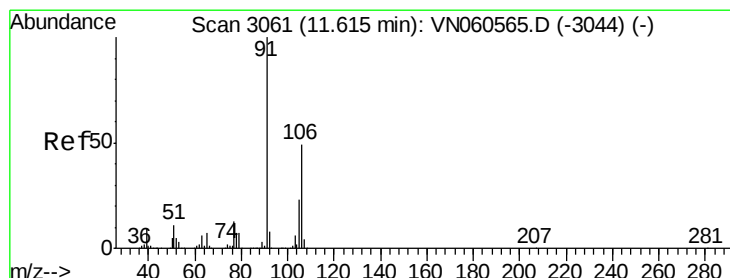
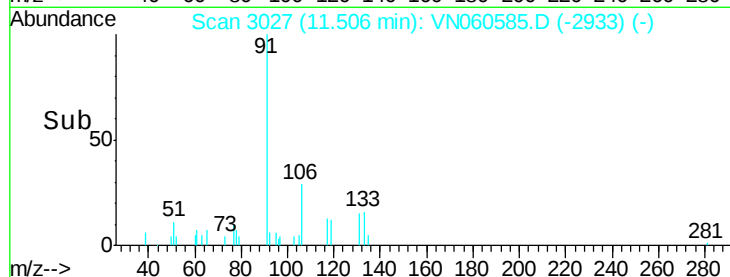
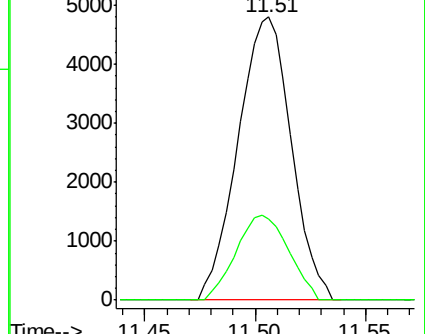
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Abundance Ion 91.00 (90.70 to 91.70): VN060585.D (-2933) (-)

Ion 106.00 (105.70 to 106.70): VN060585.D (-2933) (-)



#68

m/p-Xylenes

Concen: 1.361 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060585.D

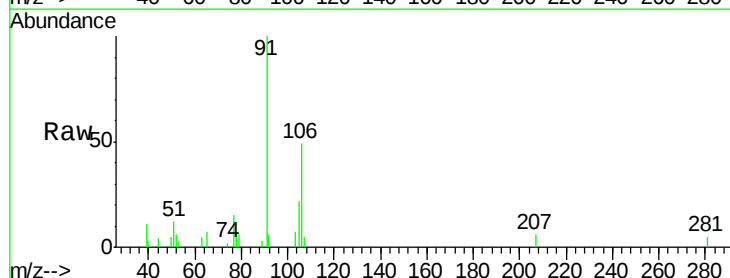
Acq: 18 Mar 2020 12:39

Tgt Ion: 106 Resp: 5713

Ion Ratio Lower Upper

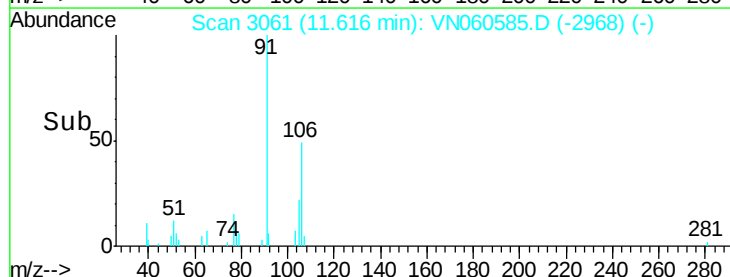
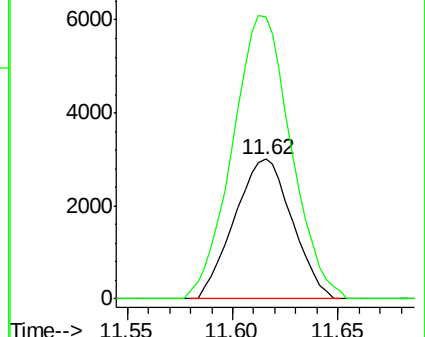
106 100

91 205.6 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060585.D (-2968) (-)

Ion 91.00 (90.70 to 91.70): VN060585.D (-2968) (-)





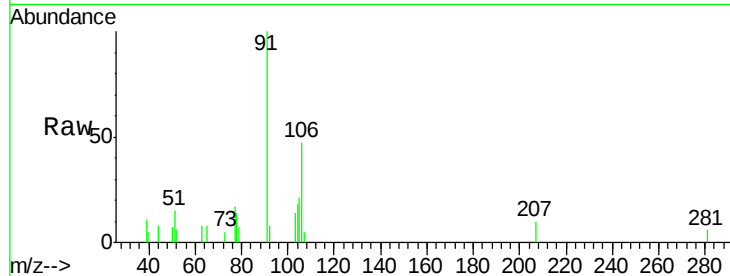
#69
o-Xylene
Concen: 0.676 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

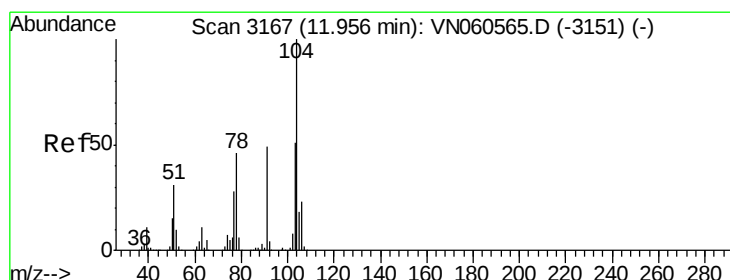
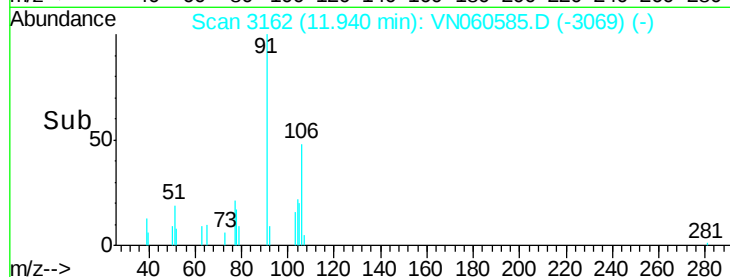
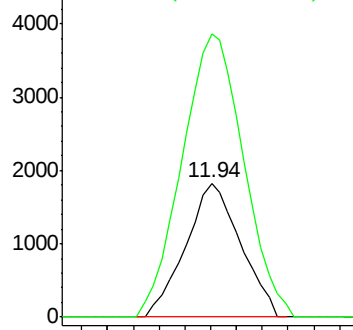
Tot Ion	Ratio	Lower	Upper
106	100		
91	236.3	109.5	328.4

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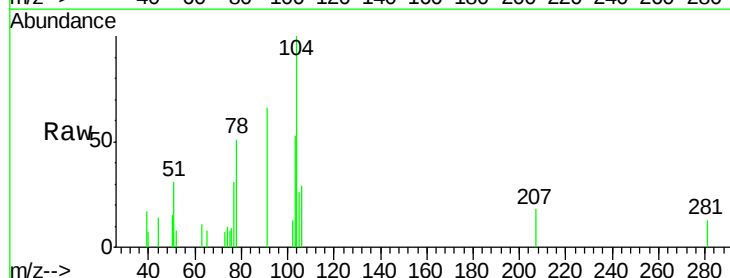


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

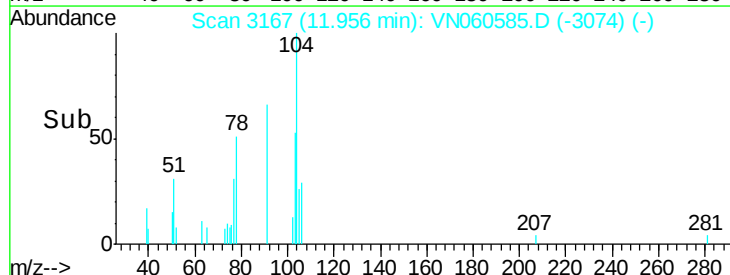
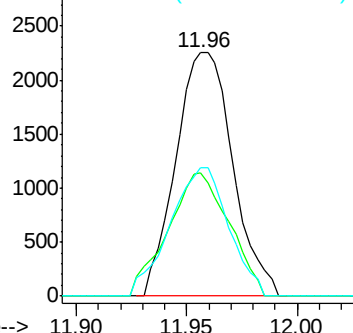


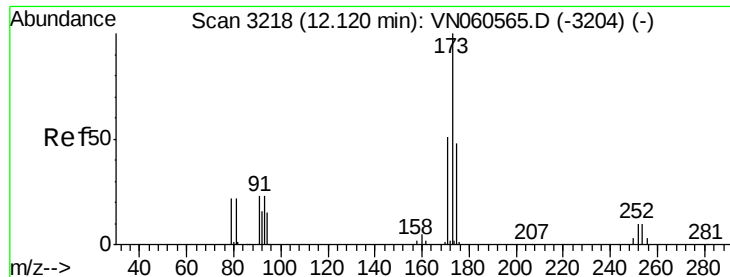
#70
Styrene
Concen: 0.617 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.3	41.2	61.8
103	54.0	44.0	66.0



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: 0.588 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Instrument :

MSVOA_N

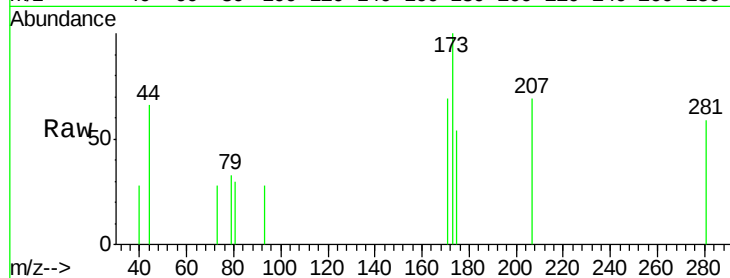
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

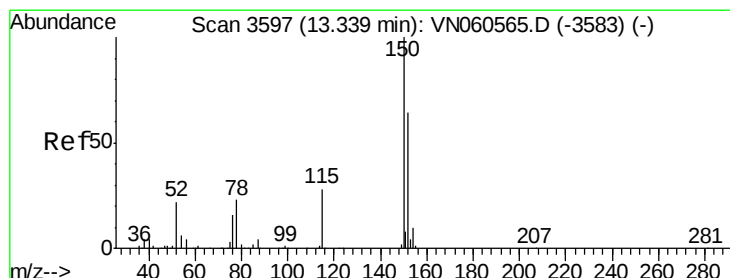
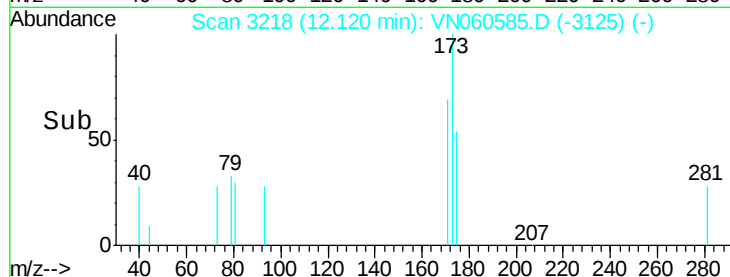
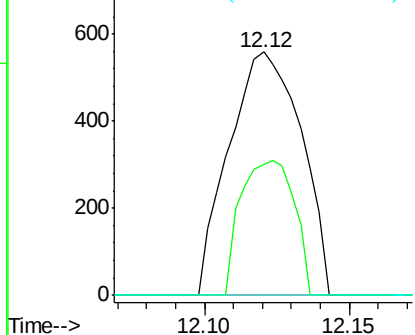
Tot Ion	Ratio	Lower	Upper
173	100		
175	41.0	24.1	72.4
254	0.0	0.0	0.0

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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

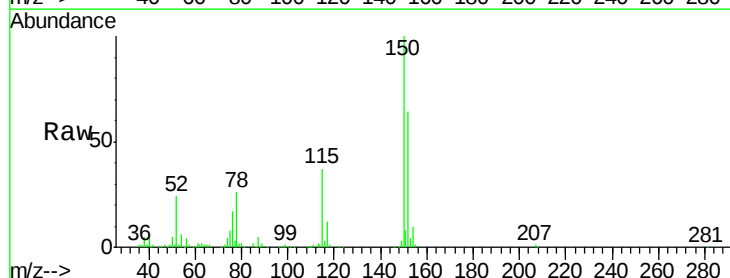
RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

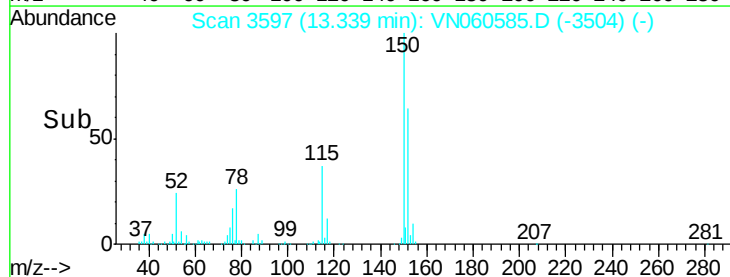
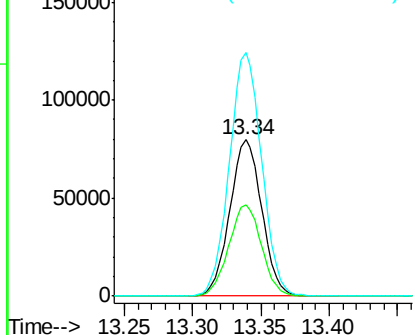
Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	30.2	90.6
150	157.1	0.0	350.2



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: 0.758 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 105 Resp: 7411

Ion Ratio Lower Upper

105 100

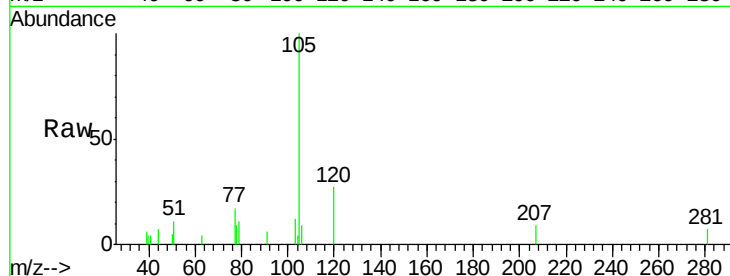
120 25.3 13.1 39.1

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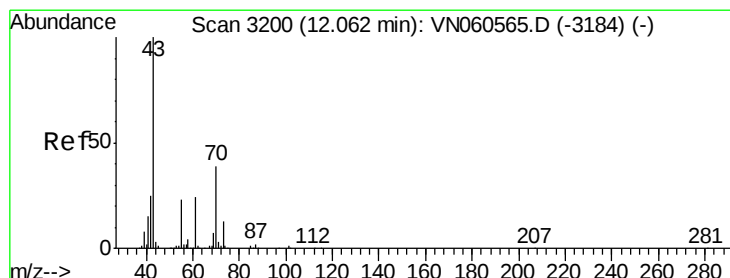
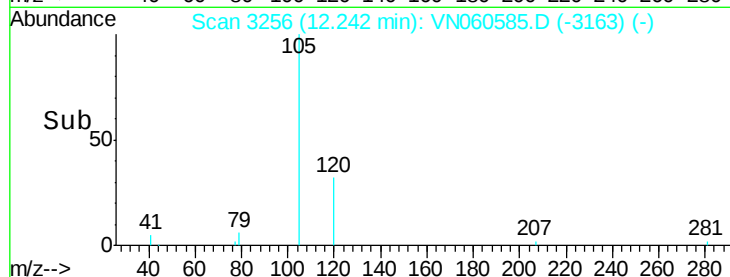
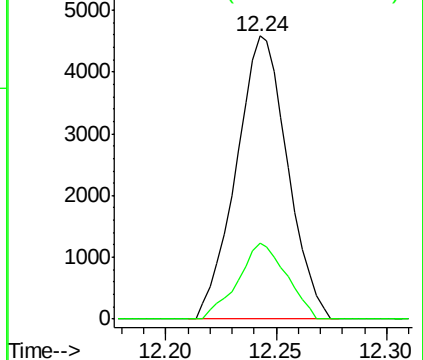
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.679 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Tgt Ion: 43 Resp: 3067

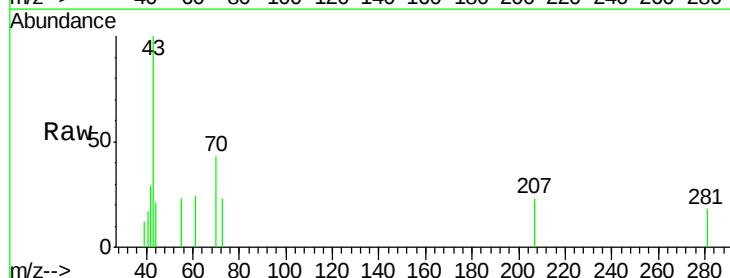
Ion Ratio Lower Upper

43 100

70 34.9 31.1 46.7

55 18.2 18.6 27.8#

61 18.6 18.9 28.3#

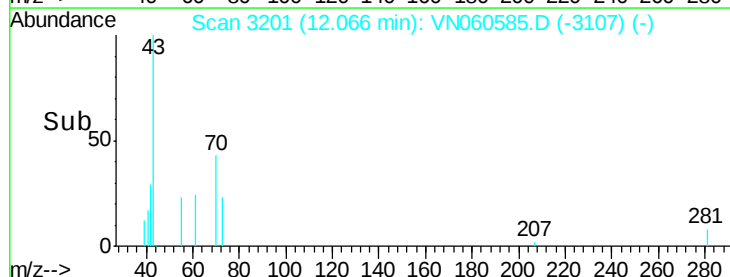
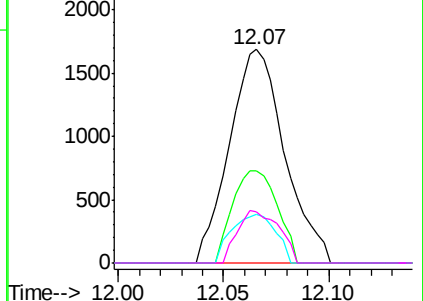


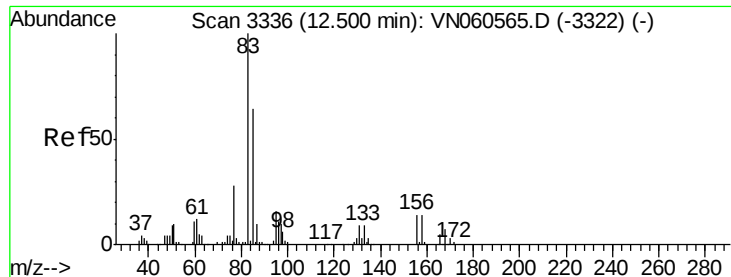
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.701 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Instrument :

MSVOA_N

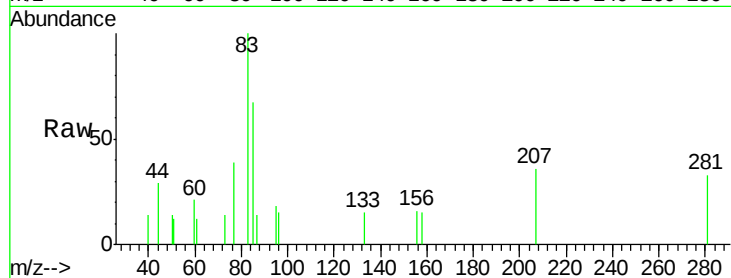
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

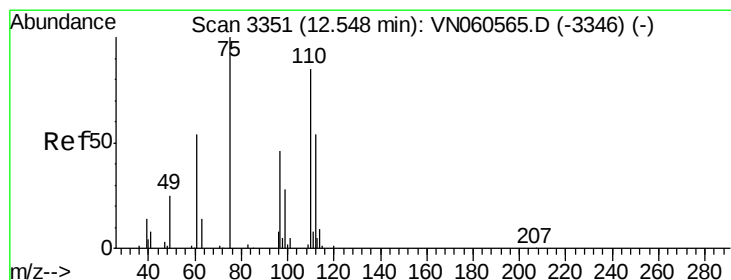
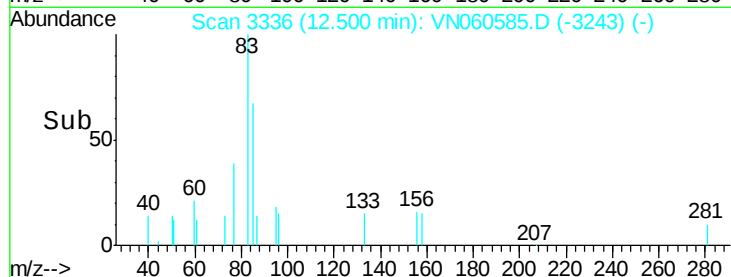
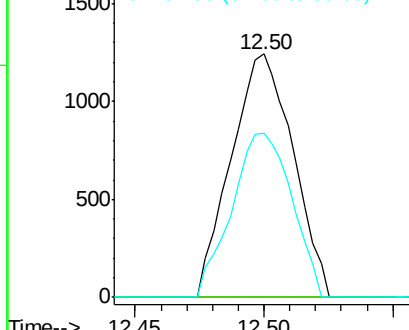
Tot Ion:	83	Resp:	2073
Ion Ratio	Lower	Upper	
83	100		
131	0.0	4.9	14.7#
85	65.7	32.5	97.4

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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 0.892 ug/l m

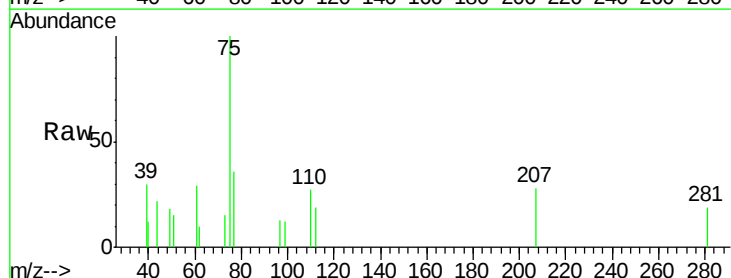
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

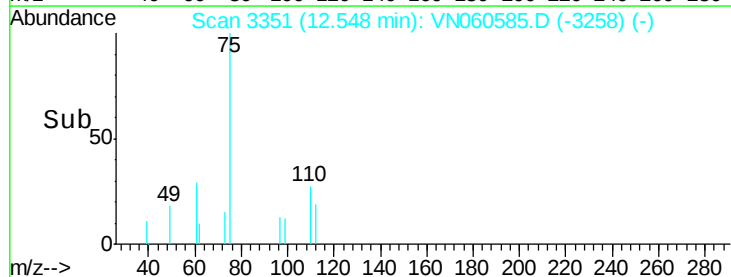
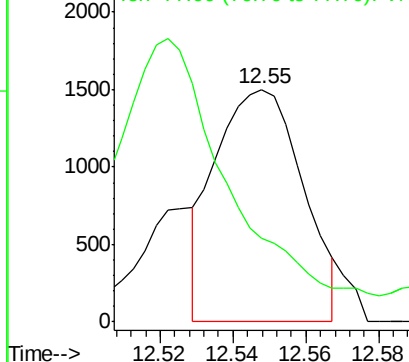
Lab File: VN060585.D

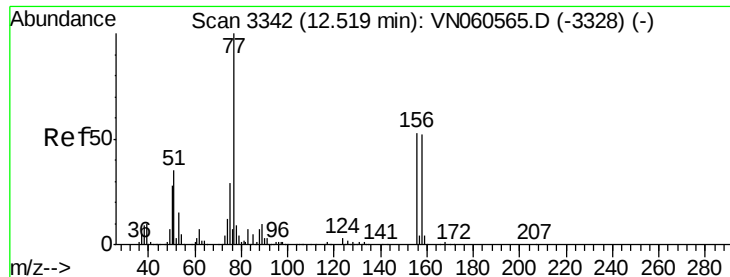
Acq: 18 Mar 2020 12:39

Tgt Ion:	75	Resp:	2509
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 0.697 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:156 Resp: 1643

Ion Ratio Lower Upper

156 100

77 256.2 112.3 337.0

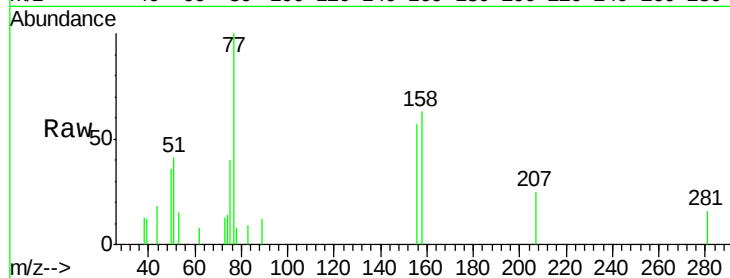
158 106.3 48.6 145.8

Manual Integrations

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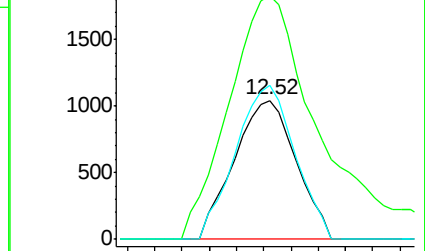
3/19/2020 1:03:25 PM



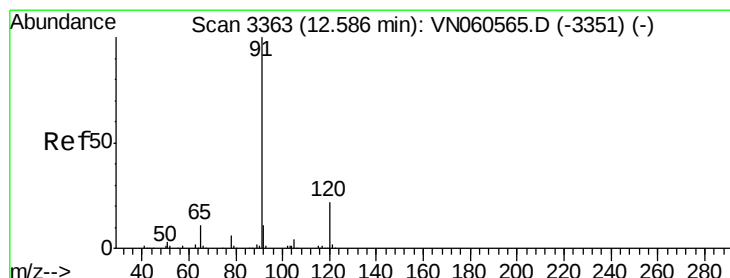
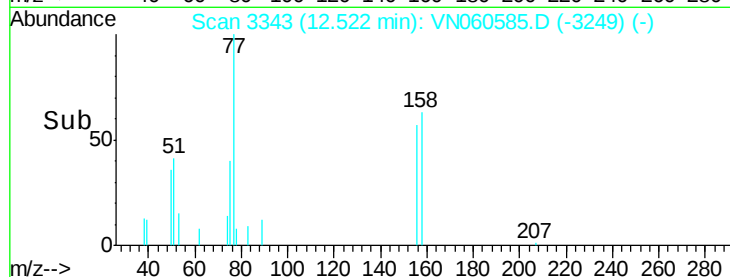
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 0.763 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN060585.D

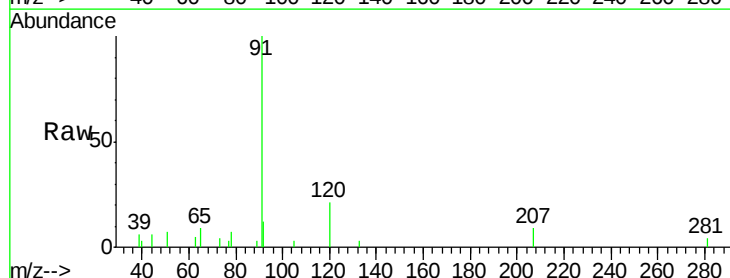
Acq: 18 Mar 2020 12:39

Tgt Ion: 91 Resp: 8814

Ion Ratio Lower Upper

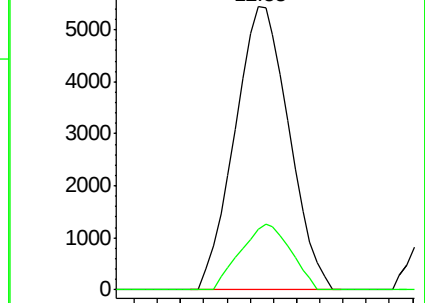
91 100

120 21.6 11.3 33.8

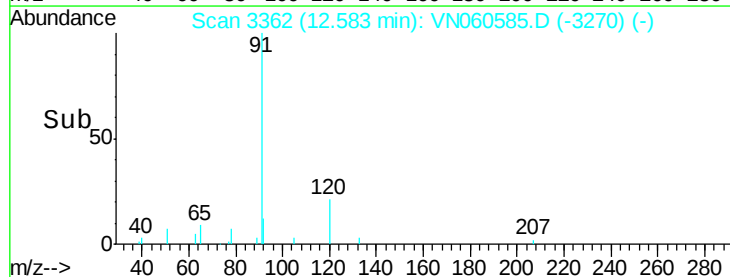


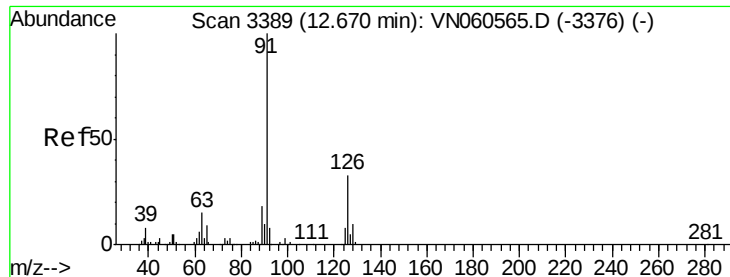
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 0.774 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 91 Resp: 5345

Ion Ratio Lower Upper

91 100

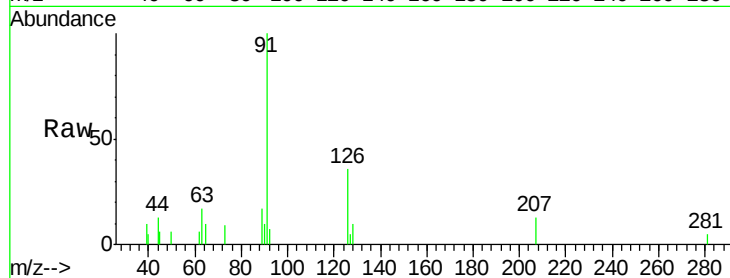
126 31.1 16.4 49.1

Manual Integrations

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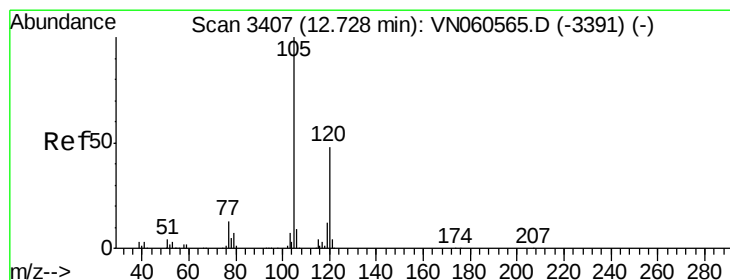
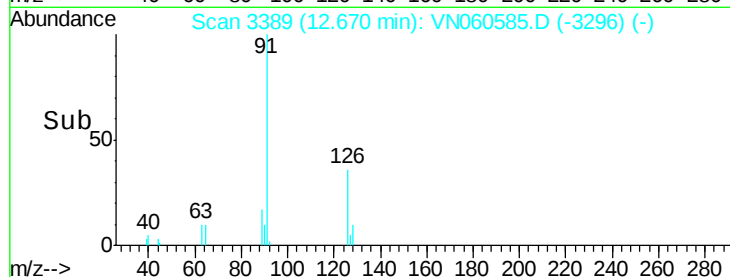
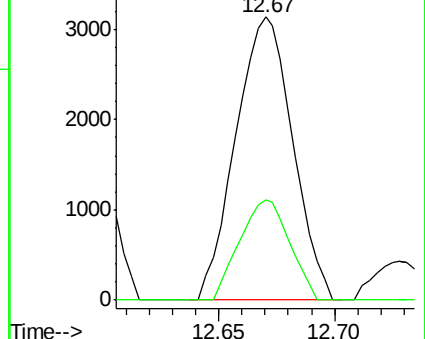
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Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060565.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.720 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060585.D

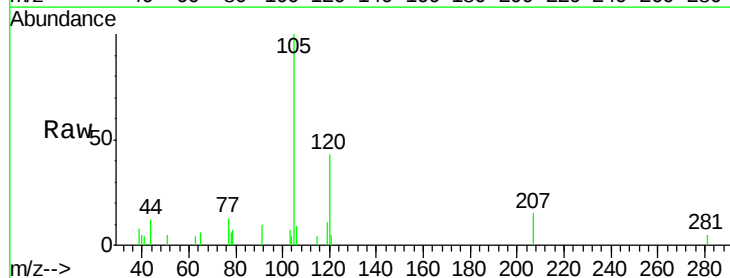
Acq: 18 Mar 2020 12:39

Tgt Ion: 105 Resp: 5978

Ion Ratio Lower Upper

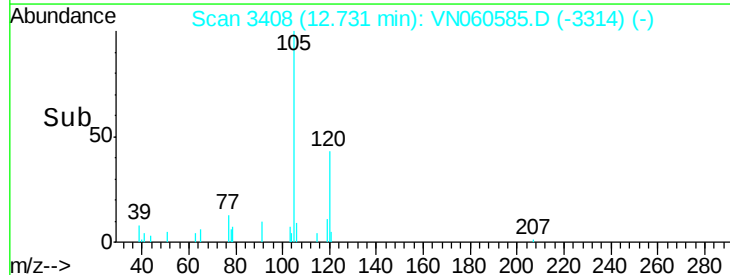
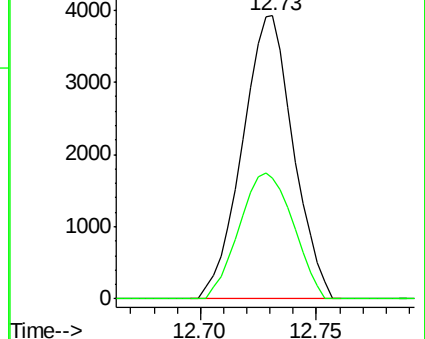
105 100

120 46.8 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060565.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN060565.D (-3391) (-)





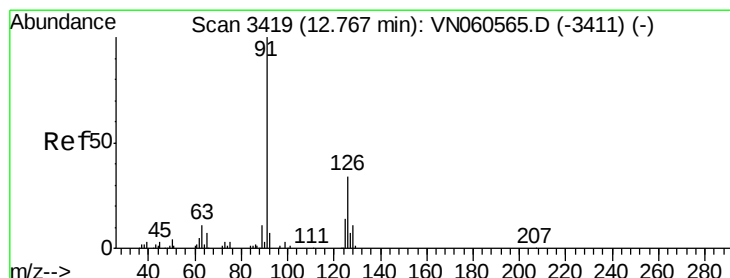
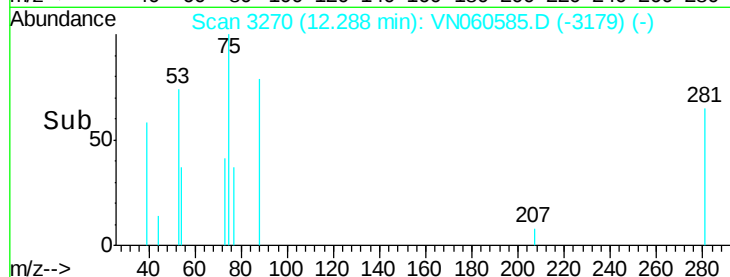
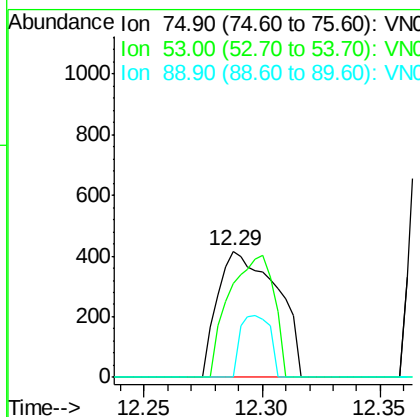
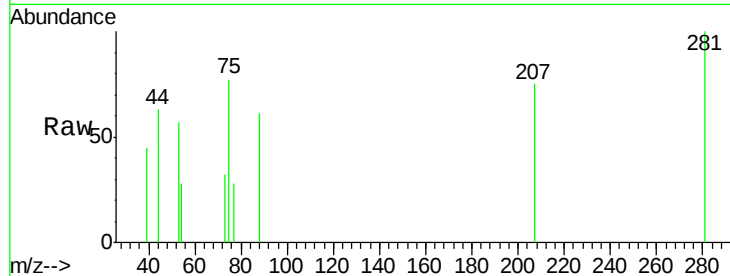
#81
trans-1,4-Dichloro-2-butene
Concen: 0.661 ug/l m
RT: 12.29 min Scan# 3270
Delta R.T. -0.01 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	73.0	109.4#
89	0.0	34.8	52.2#

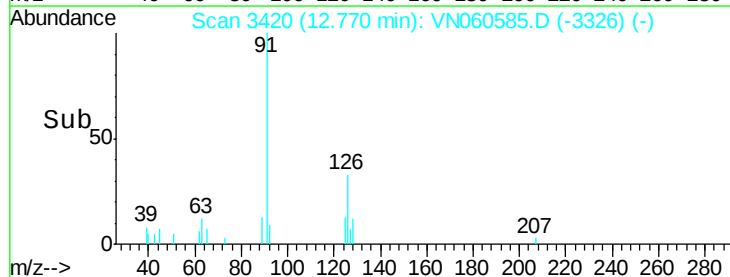
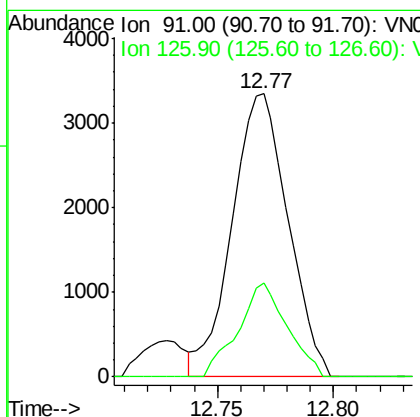
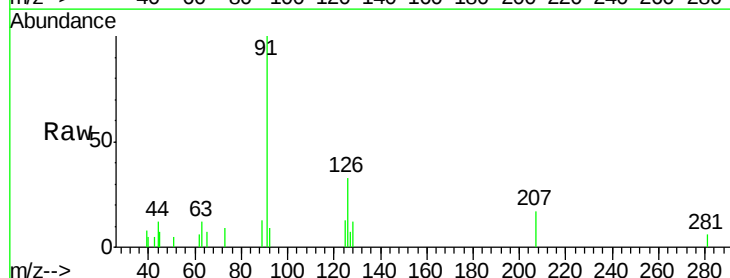
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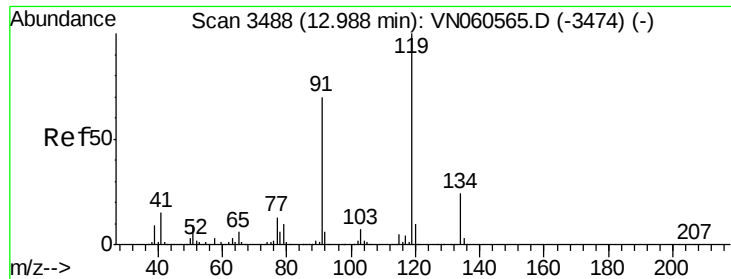
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#82
4-Chlorotoluene
Concen: 0.796 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.0	16.2	48.5





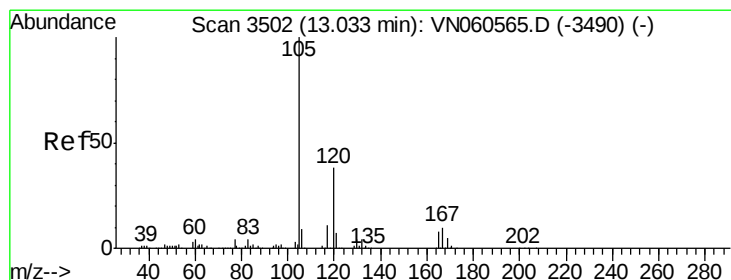
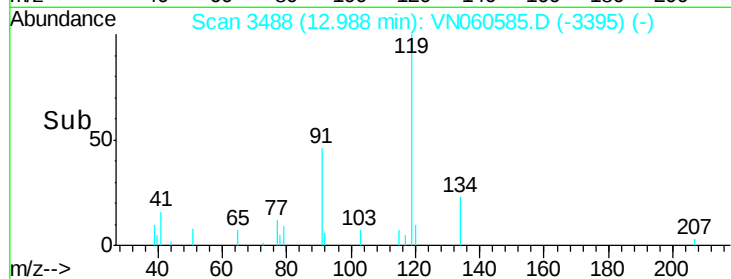
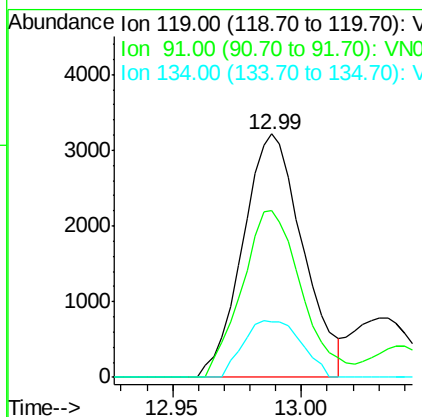
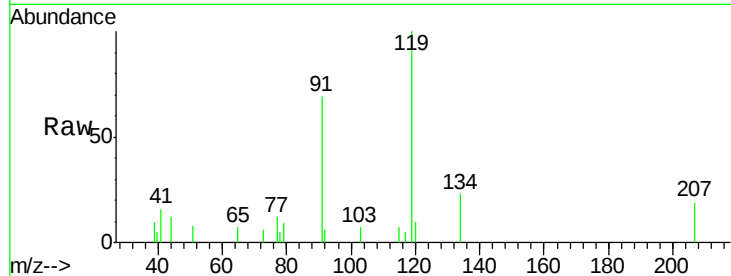
#83
tert-Butylbenzene
Concen: 0.757 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.6	34.0	101.8
134	22.5	12.7	38.0

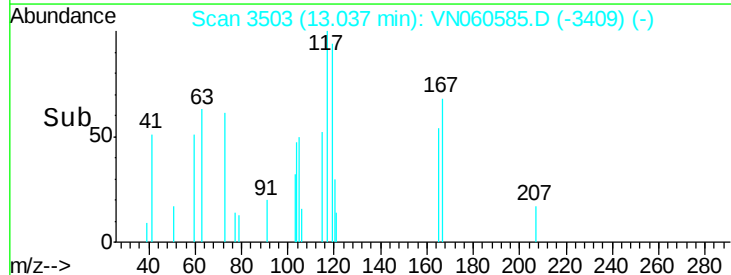
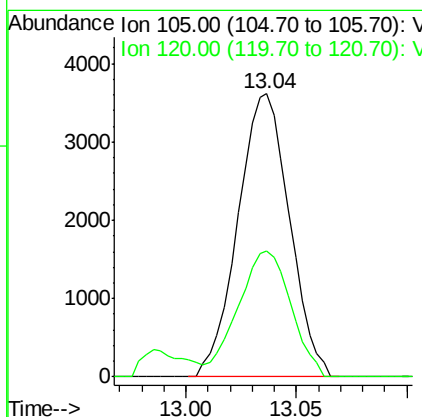
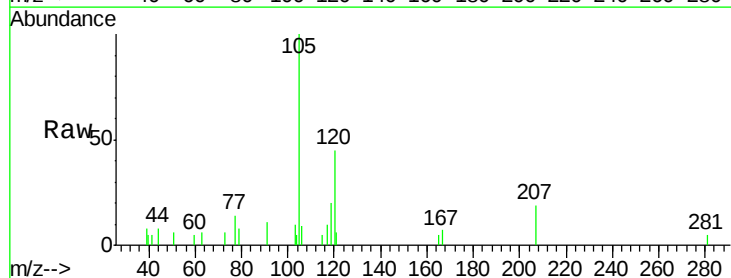
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 0.713 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.1	66.5





#85

sec-Butylbenzene

Concen: 0.733 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:105 Resp: 6782

Ion Ratio Lower Upper

105 100

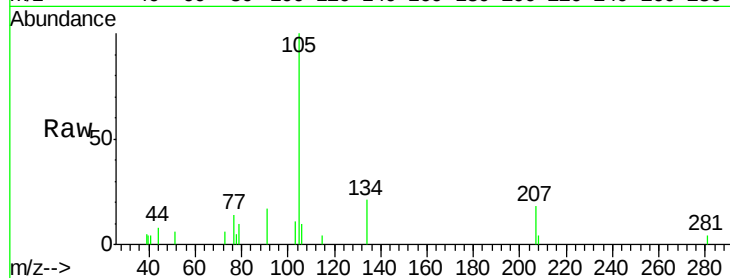
134 19.1 9.6 28.8

Manual Integrations

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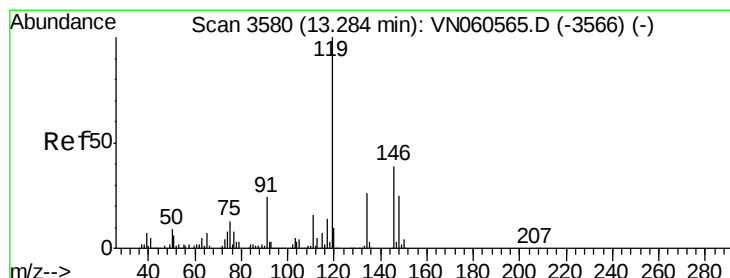
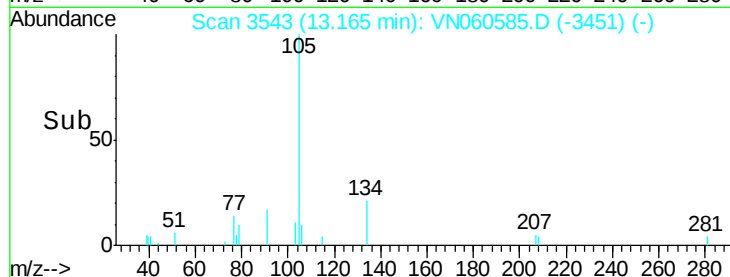
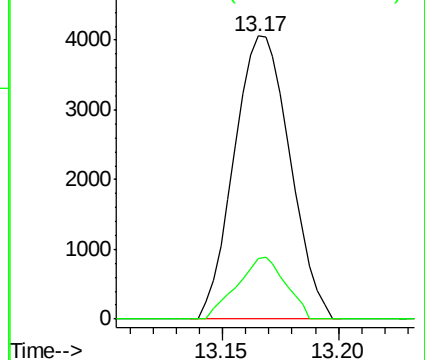
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.721 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

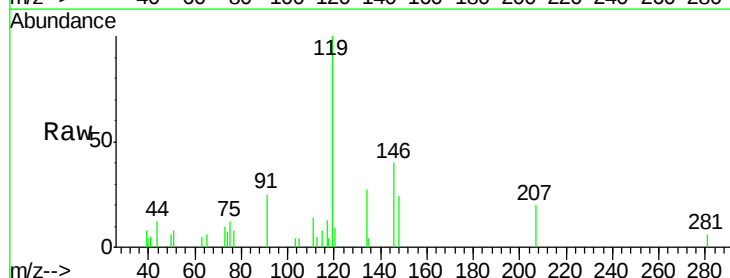
Tgt Ion:119 Resp: 5995

Ion Ratio Lower Upper

119 100

134 24.4 13.0 39.0

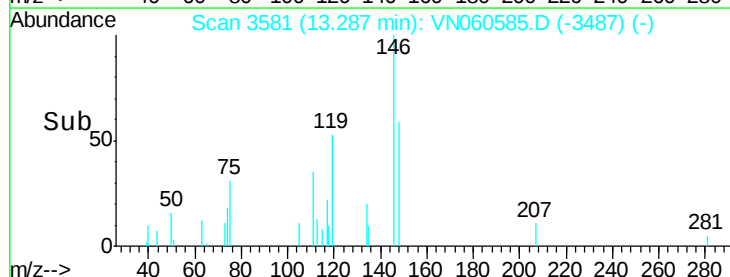
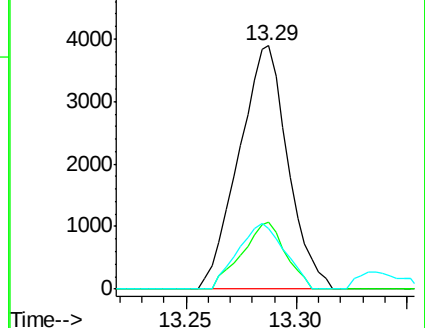
91 25.8 12.0 36.0

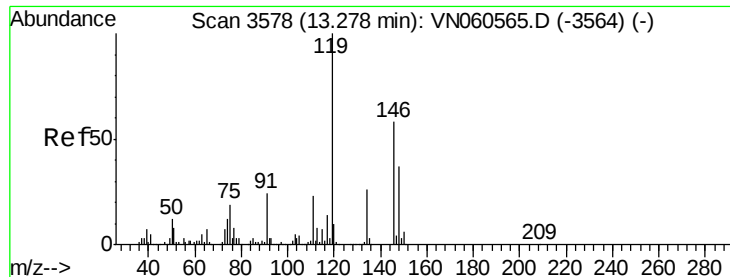


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 0.796 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

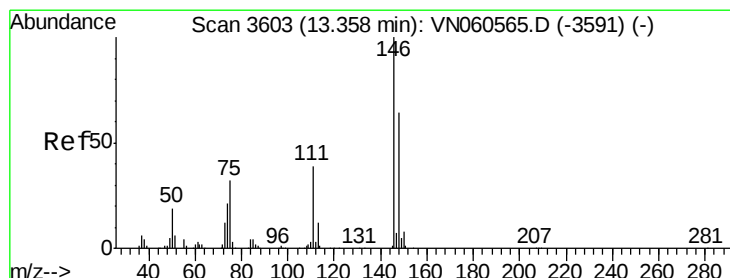
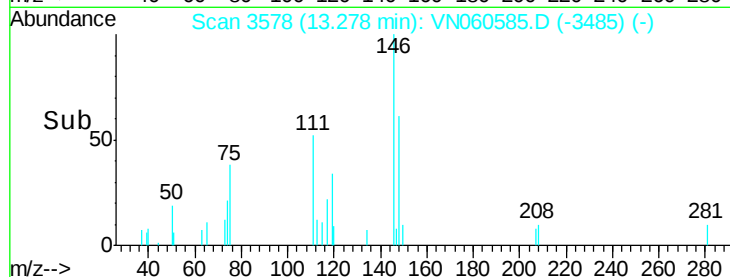
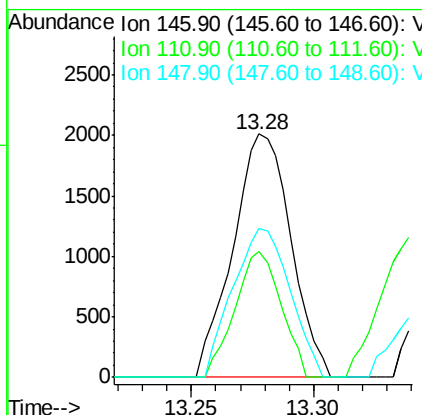
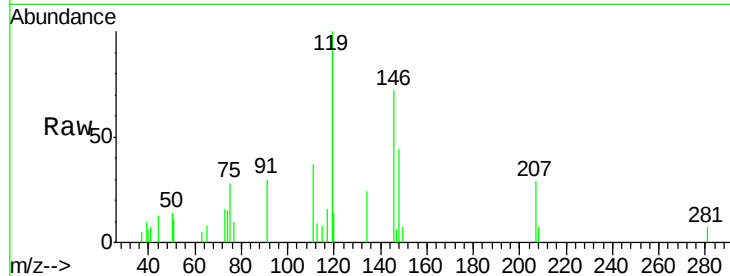
Instrument :
MSVOA_N

ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.3	60.8
148	60.6	32.5	97.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 0.792 ug/l m

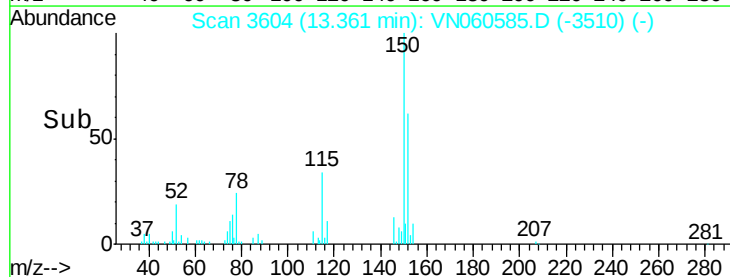
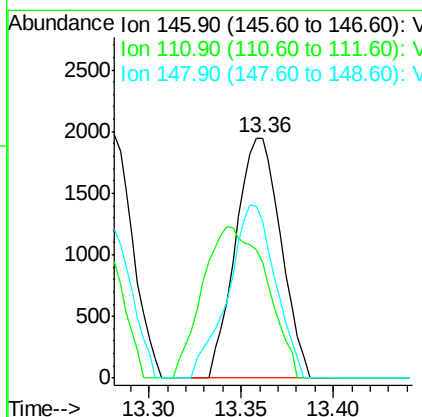
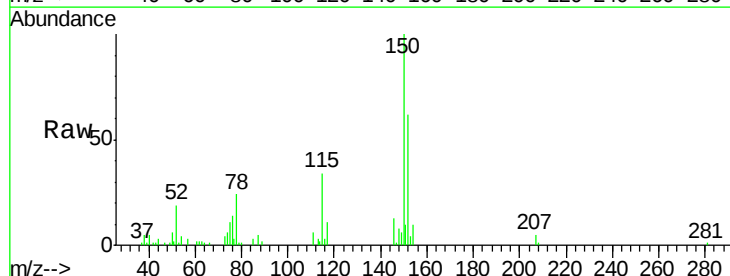
RT: 13.36 min Scan# 3604

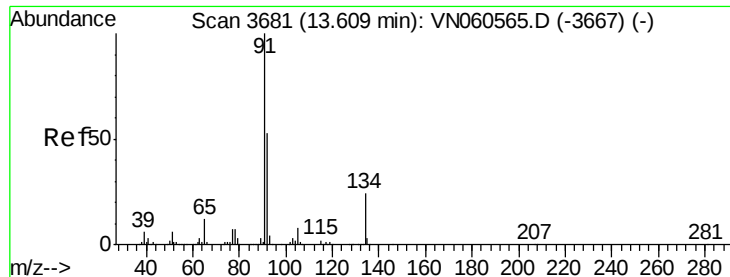
Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.6	58.7
148	60.6	32.1	96.3





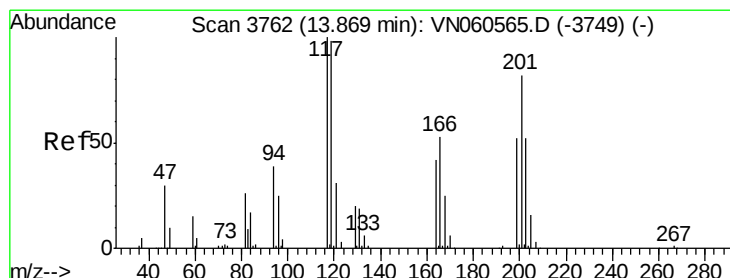
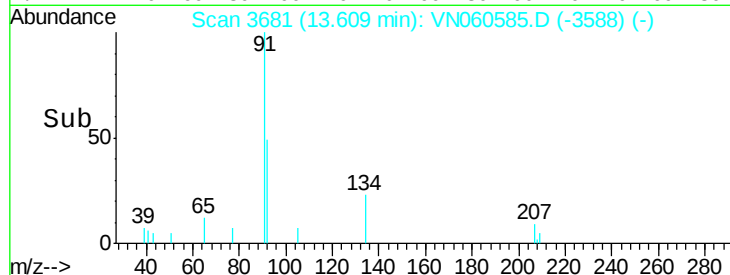
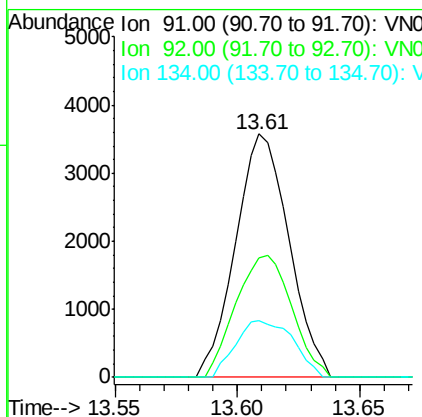
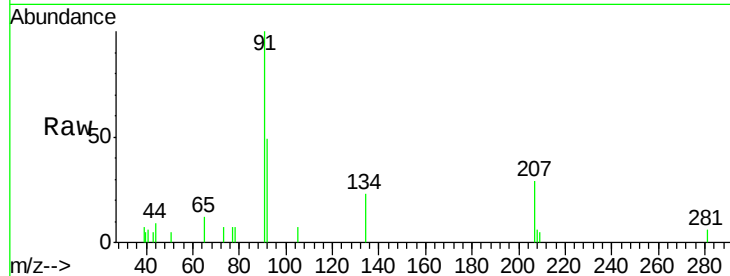
#89
n-Butylbenzene
Concen: 0.722 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	25.0	12.3	36.9

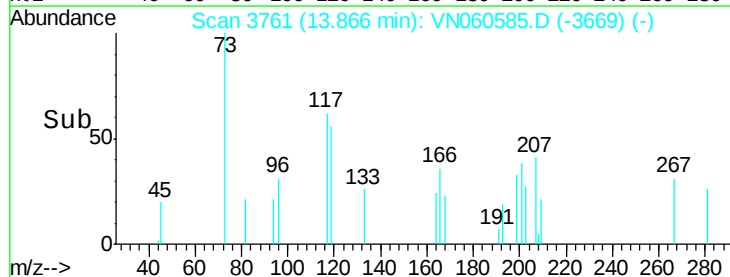
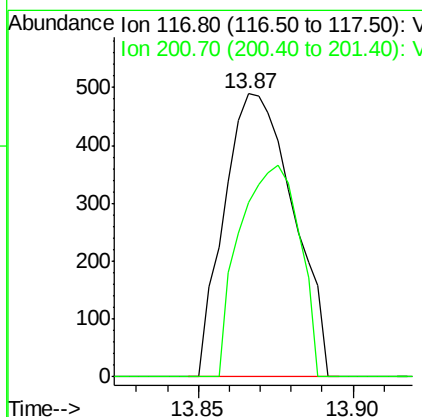
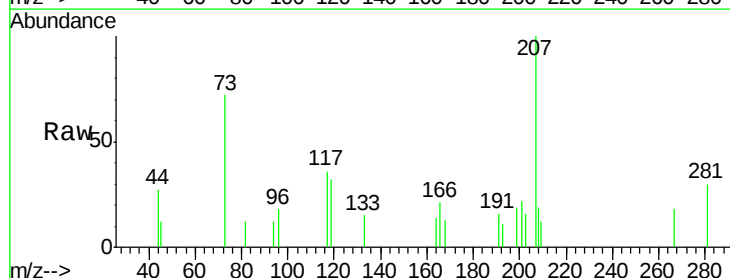
Manual Integrations
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#90
Hexachloroethane
Concen: 0.626 ug/l
RT: 13.87 min Scan# 3761
Delta R.T. -0.00 min
Lab File: VN060585.D
Acq: 18 Mar 2020 12:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.6	40.8	122.5





#91

1,2-Dichlorobenzene

Concen: 0.731 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Instrument :

MSVOA_N

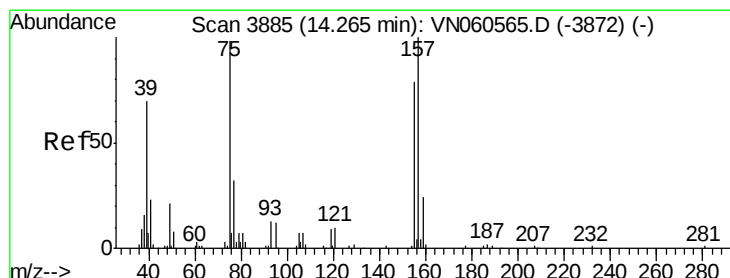
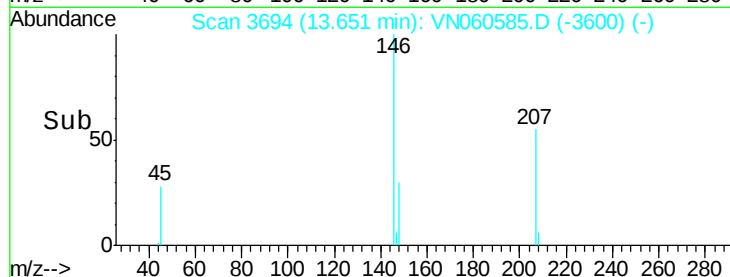
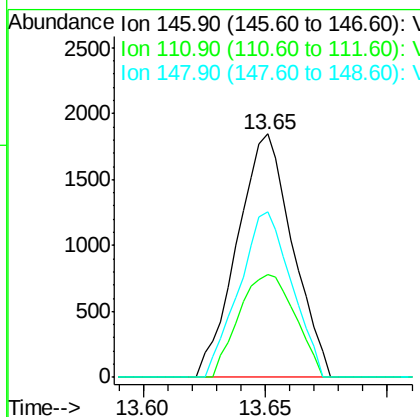
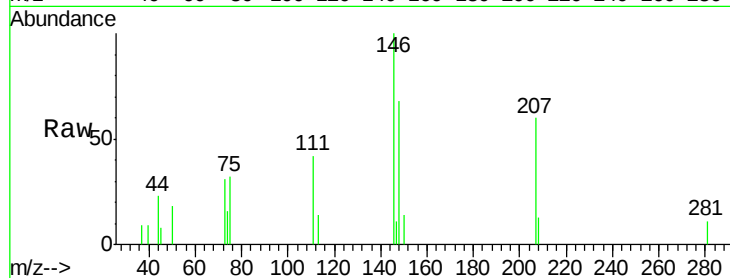
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	146	Resp:	2906
Ion Ratio	Lower	Upper	
146	100		
111	42.9	21.0	63.0
148	64.3	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 0.699 ug/l

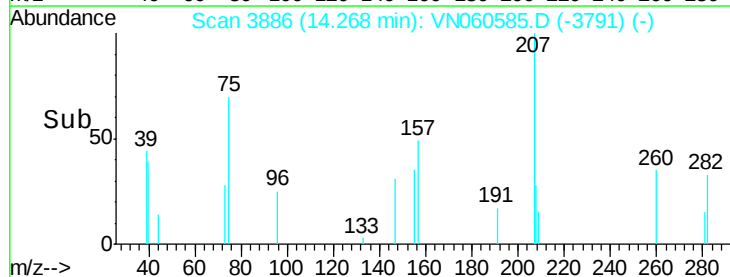
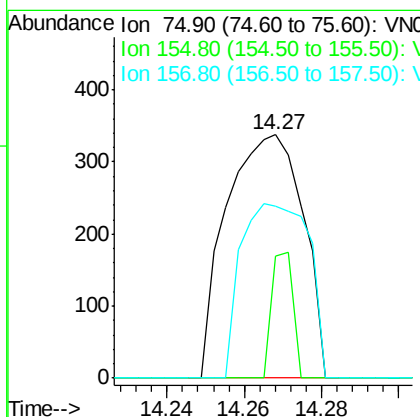
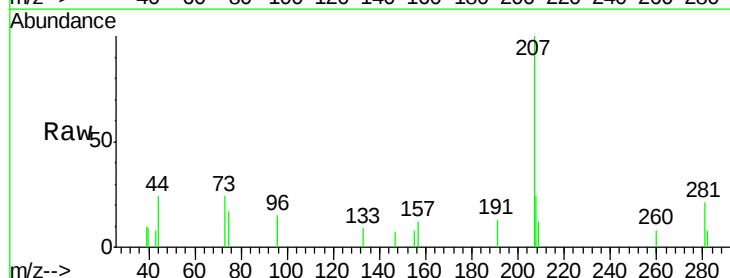
RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Tgt Ion:	75	Resp:	464
Ion Ratio	Lower	Upper	
75	100		
155	14.2	40.7	122.1#
157	63.4	51.5	154.7





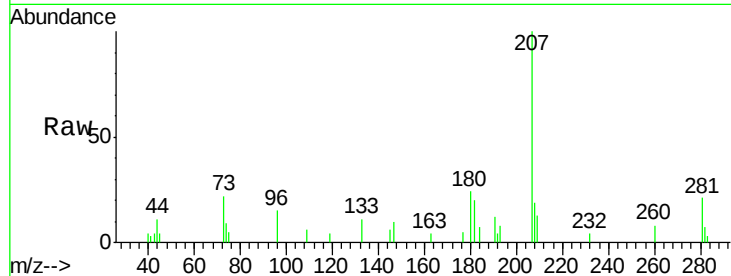
#93
 1,2,4-Trichlorobenzene
 Concen: 0.731 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060585.D
 Acq: 18 Mar 2020 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020DL

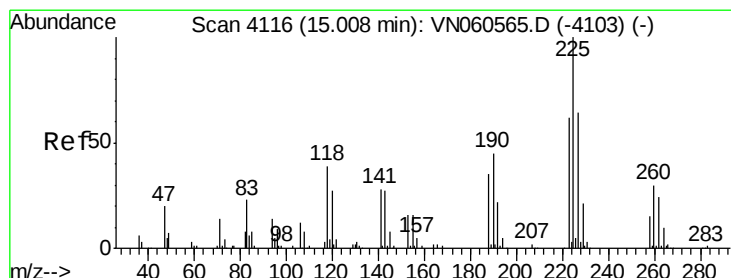
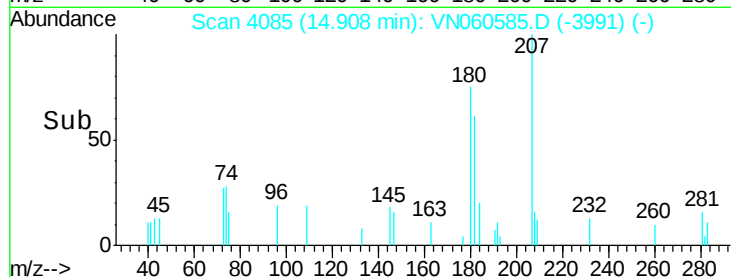
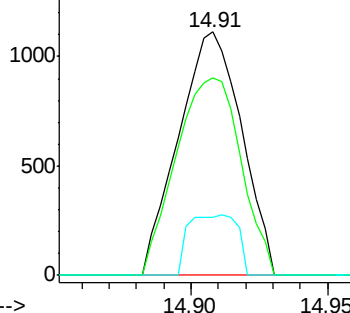
Tot Ion	Ratio	Lower	Upper
180	100		
182	83.7	47.9	143.8
145	19.3	15.4	46.2

Manual Integrations
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MMDadoda
 3/19/2020 1:03:25 PM

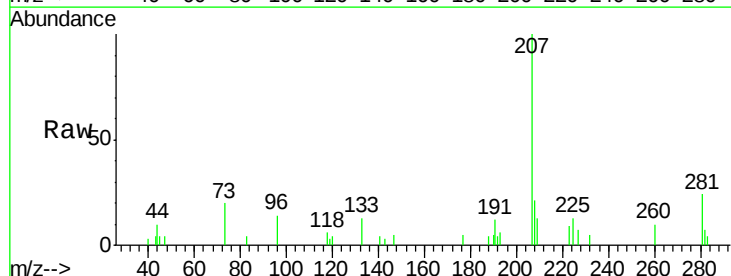


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

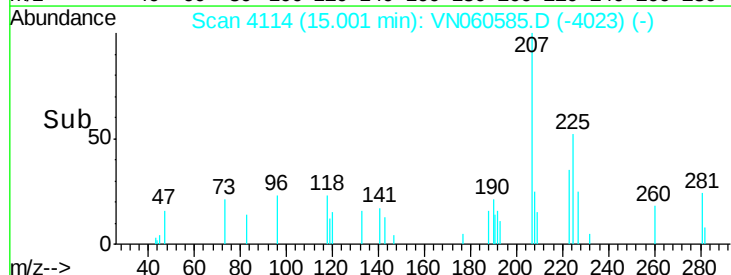
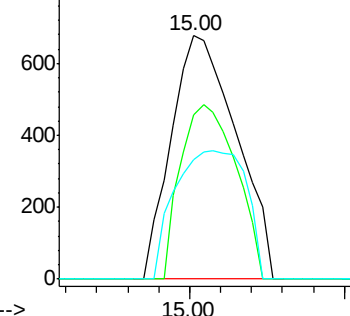


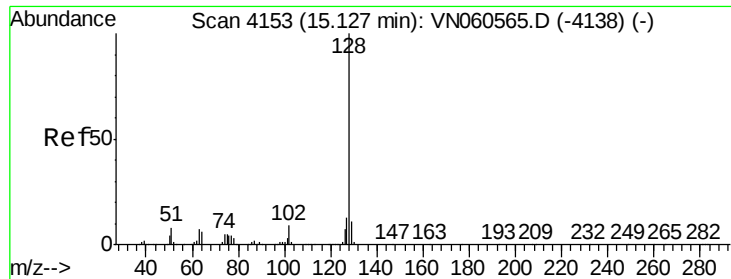
#94
 Hexachlorobutadiene
 Concen: 0.831 ug/l
 RT: 15.00 min Scan# 4114
 Delta R.T. -0.01 min
 Lab File: VN060585.D
 Acq: 18 Mar 2020 12:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.6	95.0
227	57.4	32.3	96.8



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





#95

Naphthalene

Concen: 0.629 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Instrument :

MSVOA_N

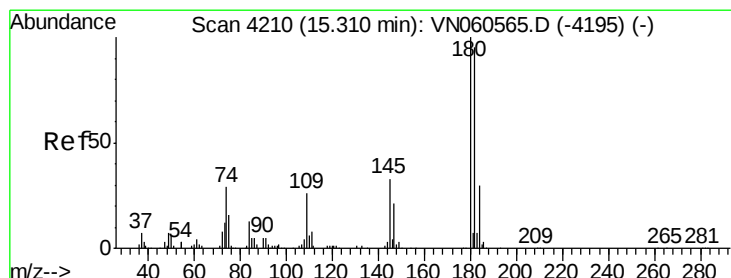
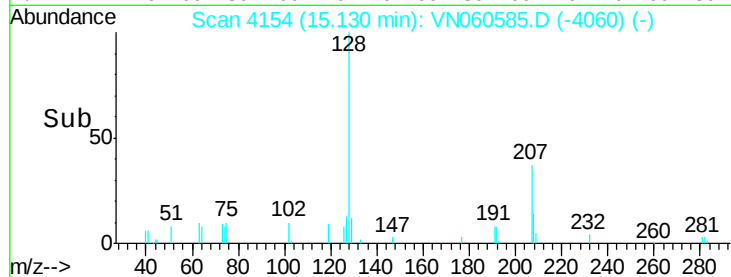
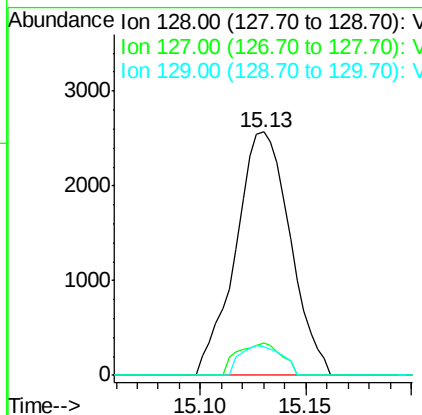
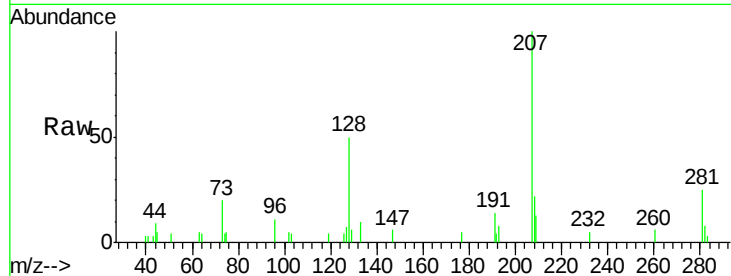
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	128	Resp:	4617
Ion Ratio	Lower	Upper	
128	100		
127	10.8	10.2	15.2
129	9.3	8.8	13.2

Manual Integrations
APPROVED

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3/19/2020 1:03:25 PM



#96

1,2,3-Trichlorobenzene

Concen: 0.666 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060585.D

Acq: 18 Mar 2020 12:39

Tgt Ion:	180	Resp:	1602
Ion Ratio	Lower	Upper	
180	100		
182	105.7	47.5	142.6
145	33.5	16.3	48.8

