

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060584.D
 Acq On : 18 Mar 2020 12:16
 Operator : JC/MD
 Sample : L1161-07 .5PPB MDL
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
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 3/19/2020 1:03:18 PM

Quant Time: Mar 19 09:29:31 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	211242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	353911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	312160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132572	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	140572	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
35) Dibromofluoromethane	7.56	113	103989	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	10.08	98	413539	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
62) 4-Bromofluorobenzene	12.40	95	140576	43.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	892	0.436	ug/l	93
3) Chloromethane	2.03	50	2242	0.587	ug/l	94
4) Vinyl Chloride	2.16	62	1420	0.476	ug/l	93
5) Bromomethane	2.55	94	552	0.428	ug/l	89
6) Chloroethane	2.69	64	663	0.385	ug/l #	43
7) Trichlorofluoromethane	3.00	101	1716	0.467	ug/l	99
8) Diethyl Ether	3.39	74	669	0.453	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	992	0.465	ug/l #	83
10) Methyl Iodide	3.92	142	1024	0.540	ug/l #	70
11) Tert butyl alcohol	4.73	59	866	2.031	ug/l #	72
12) 1,1-Dichloroethene	3.72	96	1203	0.526	ug/l	88
13) Acrolein	3.58	56	812	1.718	ug/l #	78
14) Allyl chloride	4.30	41	2006	0.499	ug/l #	61
15) Acrylonitrile	4.95	53	2401m	1.915	ug/l	
16) Acetone	3.79	43	2892	2.815	ug/l #	85
17) Carbon Disulfide	4.03	76	4127	0.593	ug/l #	75
18) Methyl Acetate	4.31	43	1326	0.459	ug/l #	54
19) Methyl tert-butyl Ether	5.01	73	4013m	0.510	ug/l	
20) Methylene Chloride	4.52	84	1383	0.547	ug/l #	88
21) trans-1,2-Dichloroethene	5.01	96	1296	0.532	ug/l	92
22) Diisopropyl ether	5.91	45	4066	0.478	ug/l #	69
23) Vinyl Acetate	5.86	43	15270	2.202	ug/l	98
24) 1,1-Dichloroethane	5.82	63	2285	0.493	ug/l #	85
25) 2-Butanone	6.81	43	3793	2.282	ug/l	95
26) 2,2-Dichloropropane	6.79	77	2083	0.571	ug/l #	53
27) cis-1,2-Dichloroethene	6.81	96	1461m	0.527	ug/l	
28) Bromochloromethane	7.17	49	967	0.436	ug/l #	84
29) Tetrahydrofuran	7.19	42	2693	2.290	ug/l #	78
30) Chloroform	7.34	83	2140	0.482	ug/l	99
31) Cyclohexane	7.64	56	6654	1.425	ug/l #	16
32) 1,1,1-Trichloroethane	7.54	97	2012	0.526	ug/l #	49
36) 1,1-Dichloropropene	7.78	75	1722m	0.502	ug/l	
37) Ethyl Acetate	6.90	43	1969	0.532	ug/l #	70
38) Carbon Tetrachloride	7.75	117	1233	0.401	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	2152	0.528	ug/l	99
40) Benzene	8.02	78	5349	0.517	ug/l	98
41) Methacrylonitrile	7.16	41	877	0.555	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	1926	0.545	ug/l #	75
43) Isopropyl Acetate	8.14	43	2809	0.460	ug/l #	82
44) Trichloroethene	8.81	130	1373	0.526	ug/l	91
45) 1,2-Dichloropropane	9.10	63	1445	0.529	ug/l	94
46) Dibromomethane	9.19	93	843	0.511	ug/l #	83
47) Bromodichloromethane	9.39	83	1569	0.458	ug/l #	97
48) Methyl methacrylate	9.18	41	1303	0.479	ug/l #	87
49) 1,4-Dioxane	9.18	88	211	6.529	ug/l #	20
51) 4-Methyl-2-Pentanone	9.97	43	7919	2.279	ug/l	99
52) Toluene	10.14	92	3249	0.520	ug/l	94
53) t-1,3-Dichloropropene	10.37	75	2025	0.514	ug/l	96
54) cis-1,3-Dichloropropene	9.83	75	2033	0.470	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	1099	0.457	ug/l	97
56) Ethyl methacrylate	10.42	69	1410	0.376	ug/l	91
57) 1,3-Dichloropropane	10.70	76	1899	0.455	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.68	63	3599	1.932	ug/l	98
59) 2-Hexanone	10.74	43	5365	2.143	ug/l	96
60) Dibromochloromethane	10.90	129	1031	0.415	ug/l	98
61) 1,2-Dibromoethane	11.00	107	1100	0.455	ug/l	100
64) Tetrachloroethene	10.63	164	1342	0.546	ug/l	96
65) Chlorobenzene	11.42	112	3251	0.525	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	965	0.431	ug/l #	53
67) Ethyl Benzene	11.50	91	5837	0.507	ug/l	91
68) m/p-Xylenes	11.62	106	4244	0.992	ug/l	96
69) o-Xylene	11.94	106	2082	0.510	ug/l	97
70) Styrene	11.96	104	2961	0.443	ug/l	95
71) Bromoform	12.12	173	623	0.373	ug/l #	29
73) Isopropylbenzene	12.25	105	5188	0.521	ug/l	99
74) N-amyl acetate	12.07	43	2312	0.503	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.50	83	1507	0.501	ug/l #	95
76) 1,2,3-Trichloropropane	12.55	75	1566m	0.547	ug/l	
77) Bromobenzene	12.52	156	1308	0.546	ug/l	90
78) n-propylbenzene	12.59	91	6553	0.558	ug/l	96
79) 2-Chlorotoluene	12.67	91	3794	0.540	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	4430	0.525	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	447m	0.401	ug/l	
82) 4-Chlorotoluene	12.77	91	4150	0.580	ug/l	94
83) tert-Butylbenzene	12.99	119	3784	0.541	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	4432	0.531	ug/l	99
85) sec-Butylbenzene	13.17	105	5033	0.535	ug/l	100
86) p-Isopropyltoluene	13.28	119	4600	0.544	ug/l	93
87) 1,3-Dichlorobenzene	13.28	146	2289	0.541	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	2645m	0.623	ug/l	
89) n-Butylbenzene	13.61	91	4109	0.538	ug/l	98
90) Hexachloroethane	13.87	117	365	0.297	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	2158	0.534	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	465	0.688	ug/l #	36

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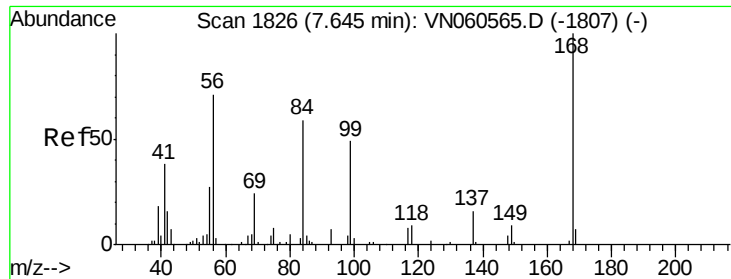
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1399	0.563	ug/l	97
94) Hexachlorobutadiene	15.01	225	706	0.580	ug/l	90
95) Naphthalene	15.13	128	4456	0.597	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.31	180	1609	0.658	ug/l	92

(#) = 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: VN060584.D

Acq: 18 Mar 2020 12:16

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion:168 Resp: 211242

Ion Ratio Lower Upper

168 100

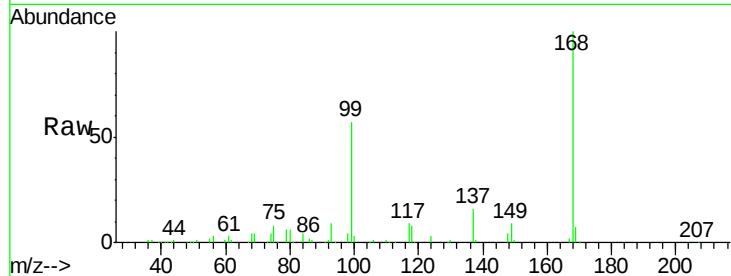
99 56.6 44.0 66.0

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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

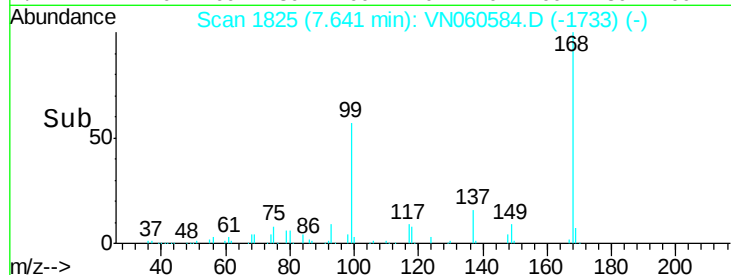
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7.50

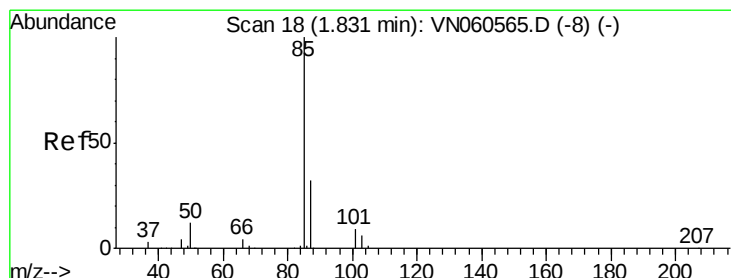
7.60

7.70

7.80



Time-->



#2

Dichlorodifluoromethane

Concen: 0.436 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060584.D

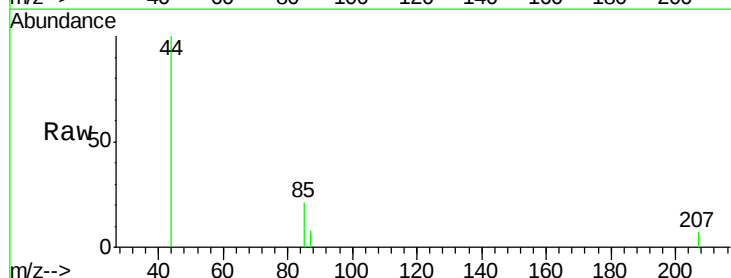
Acq: 18 Mar 2020 12:16

Tgt Ion: 85 Resp: 892

Ion Ratio Lower Upper

85 100

87 36.2 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

800

600

400

200

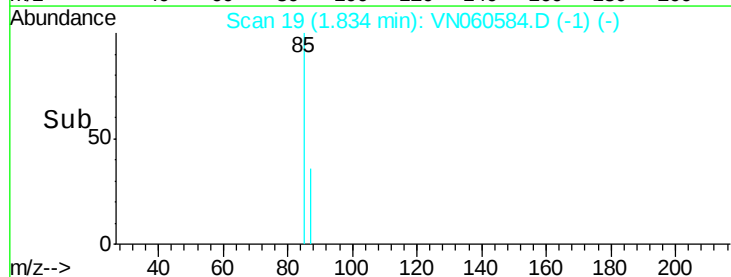
0

1.80

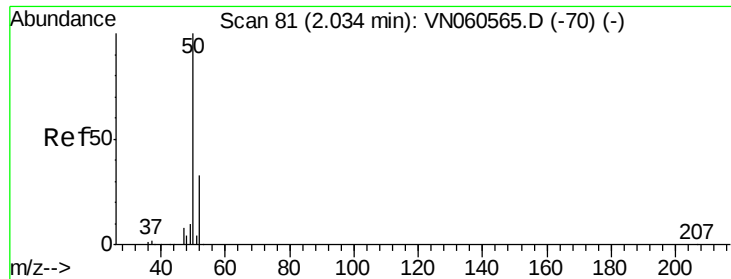
1.82

1.84

1.86



Time-->



#3

Chloromethane

Concen: 0.587 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 50 Resp: 2242

Ion Ratio Lower Upper

50 100

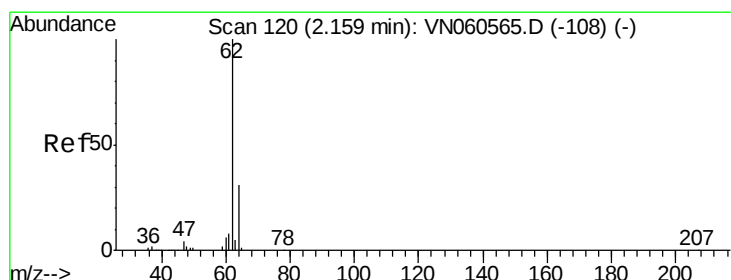
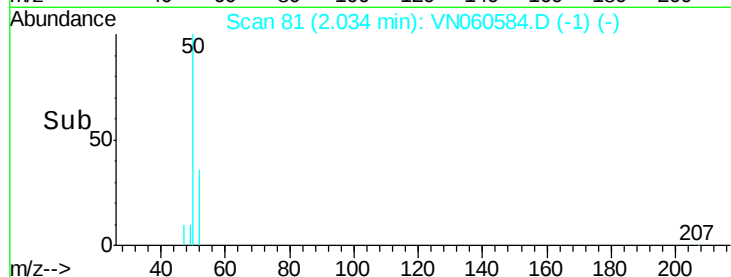
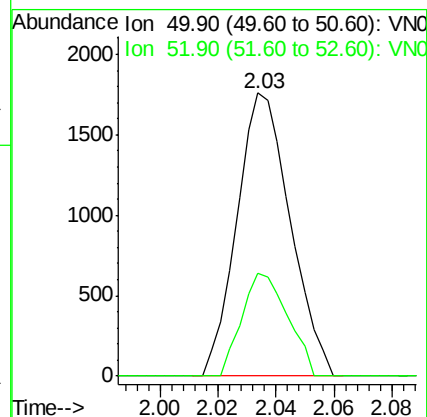
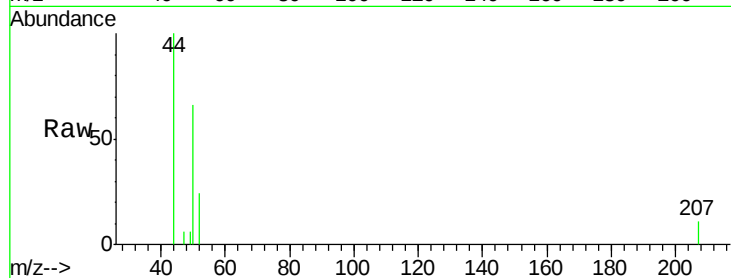
52 36.3 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.476 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN060584.D

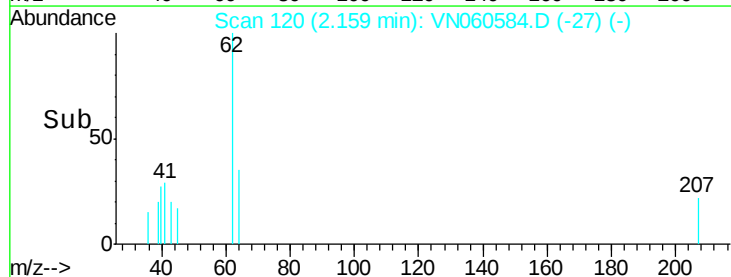
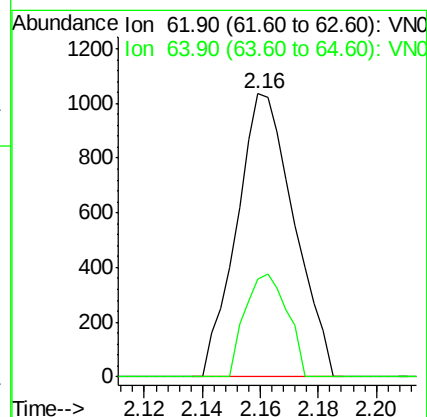
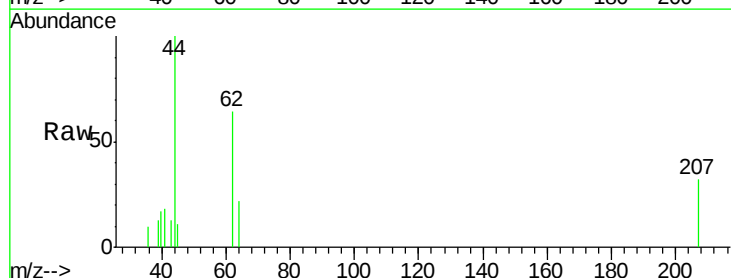
Acq: 18 Mar 2020 12:16

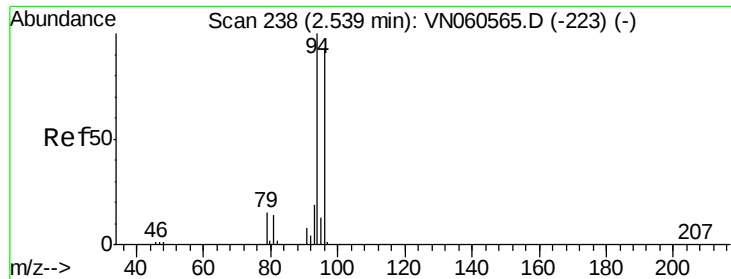
Tgt Ion: 62 Resp: 1420

Ion Ratio Lower Upper

62 100

64 34.6 24.7 37.1





#5

Bromomethane

Concen: 0.428 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

Instrument :

MSVOA_N

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

Tot Ion: 94 Resp: 552

Ion Ratio Lower Upper

94 100

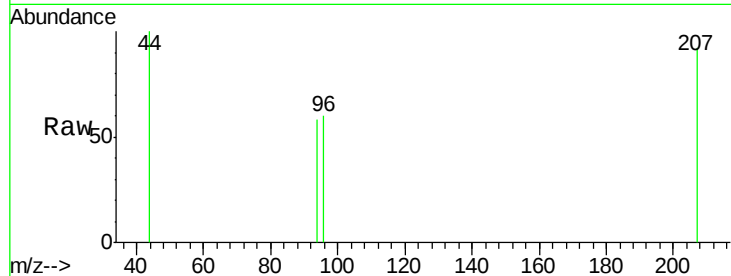
96 104.3 74.6 112.0

Manual Integrations

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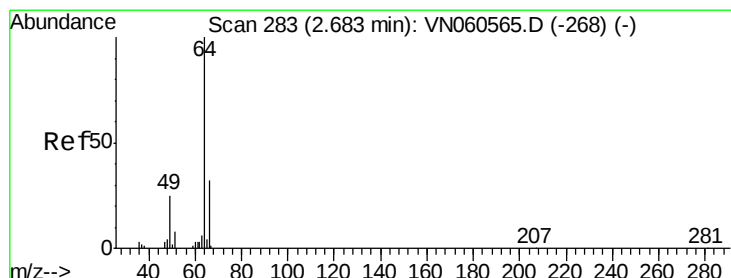
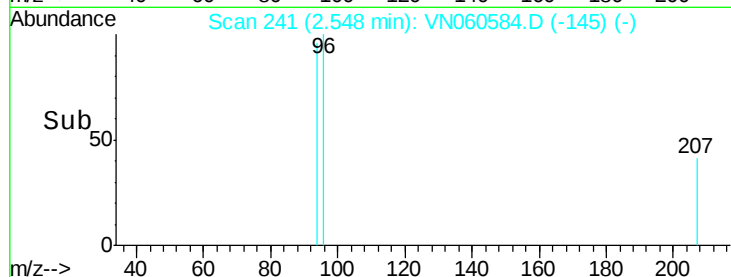
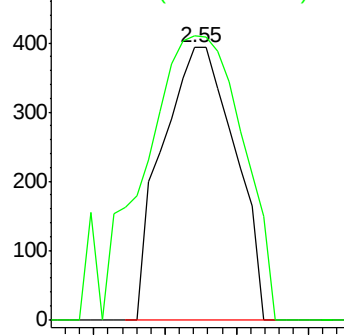
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.385 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060584.D

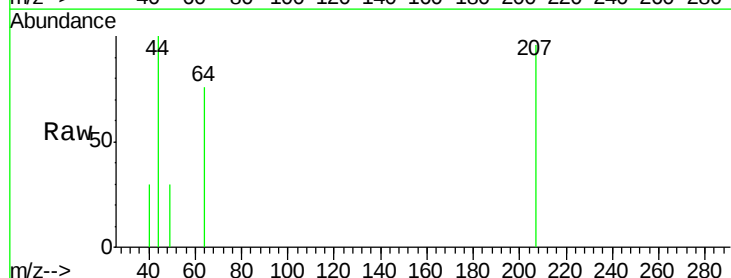
Acq: 18 Mar 2020 12:16

Tgt Ion: 64 Resp: 663

Ion Ratio Lower Upper

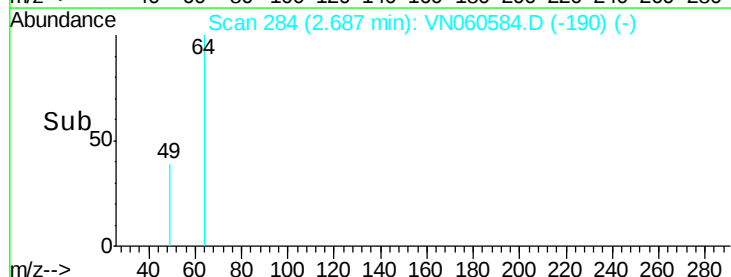
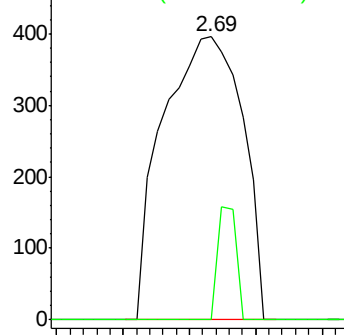
64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

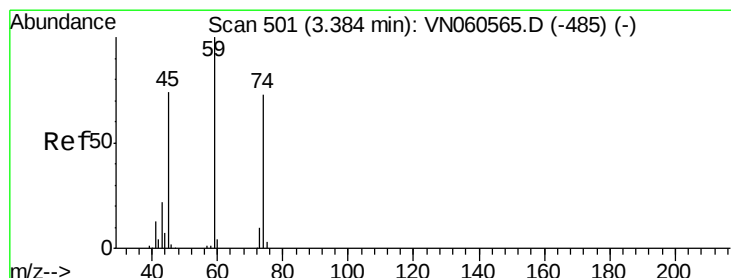
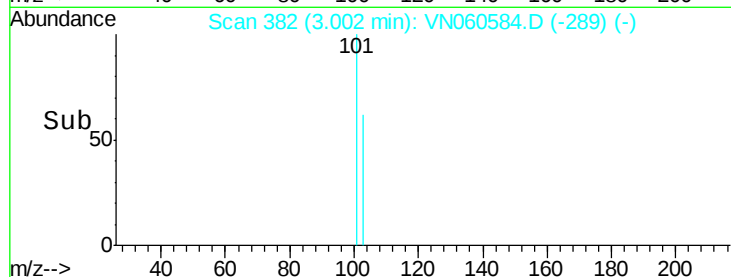
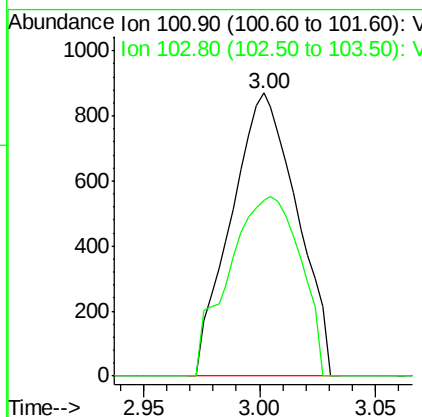
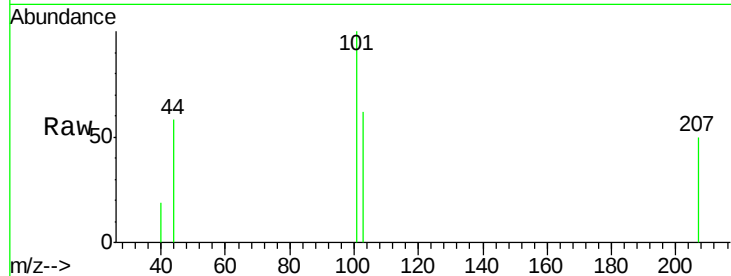
Trichlorofluoromethane
 Concen: 0.467 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060584.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	50.6	76.0

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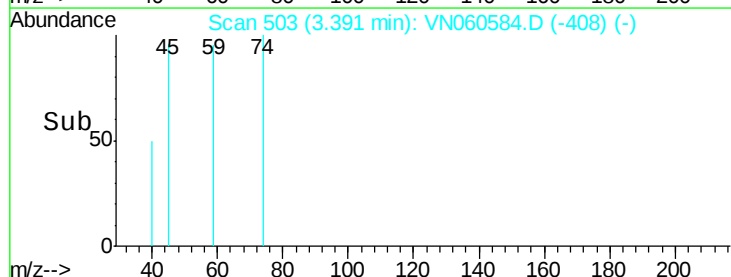
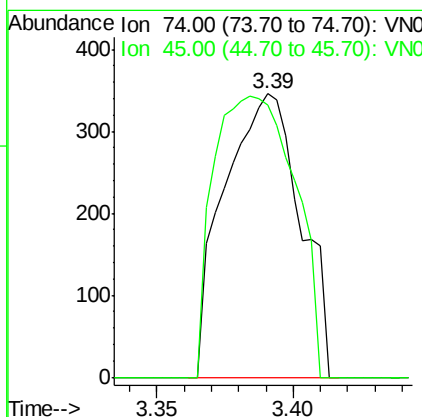
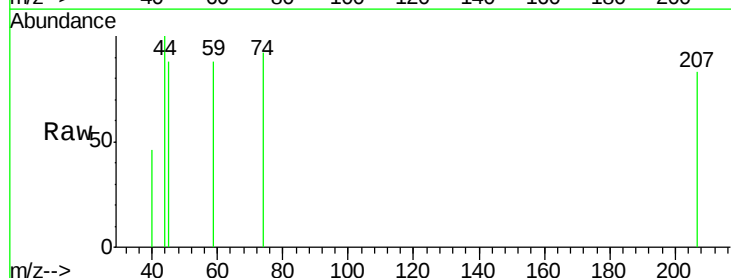
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 3/19/2020 1:03:18 PM



#8

Diethyl Ether
 Concen: 0.453 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.01 min
 Lab File: VN060584.D
 Acq: 18 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.0	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.465 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

Instrument :

MSVOA_N

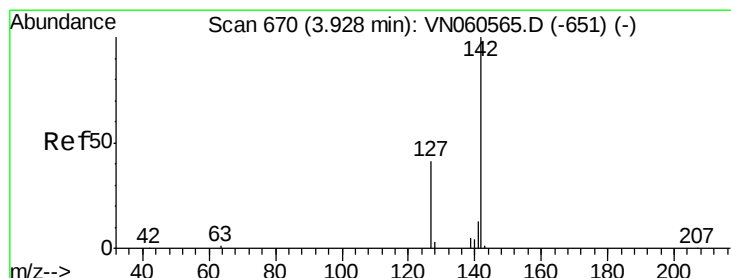
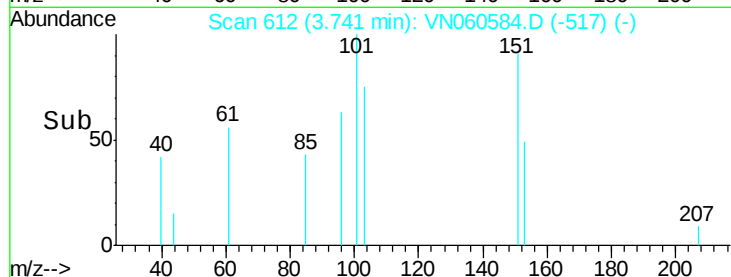
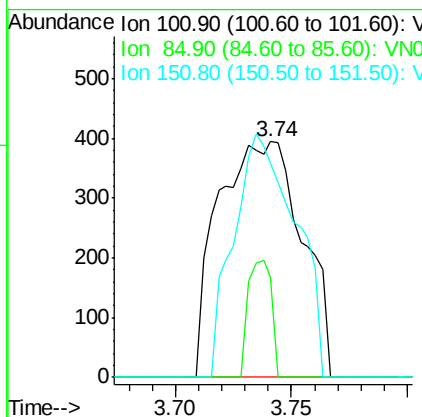
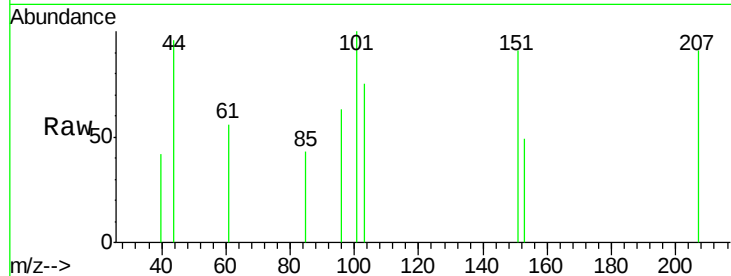
ClientSampleId :

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

Tot Ion:	101	Resp:	992
Ion Ratio	Lower	Upper	
101	100		
85	13.9	35.6	53.4#
151	76.7	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 0.540 ug/l

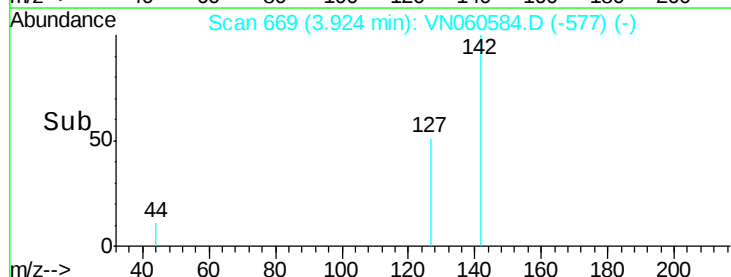
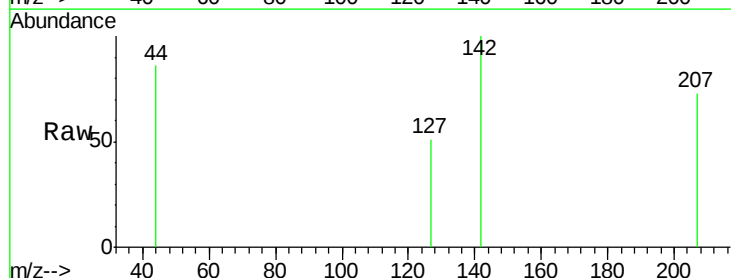
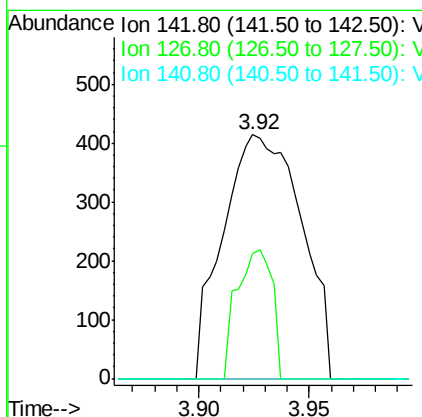
RT: 3.92 min Scan# 669

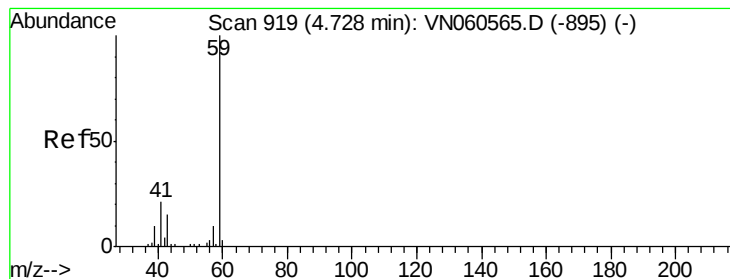
Delta R.T. -0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

Tgt Ion:	142	Resp:	1024
Ion Ratio	Lower	Upper	
142	100		
127	23.8	33.5	50.3#
141	0.0	11.0	16.6#





#11

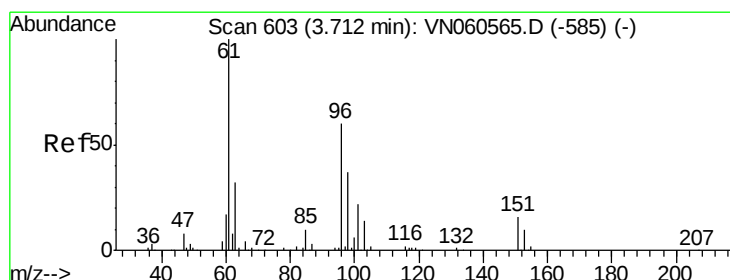
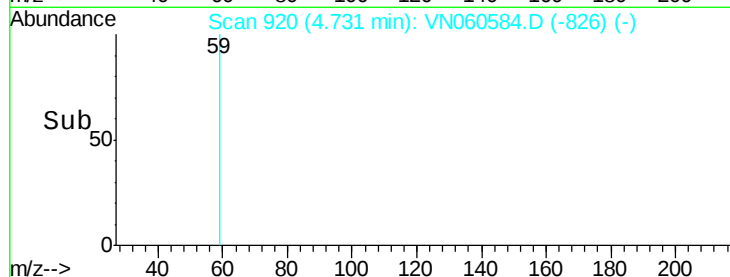
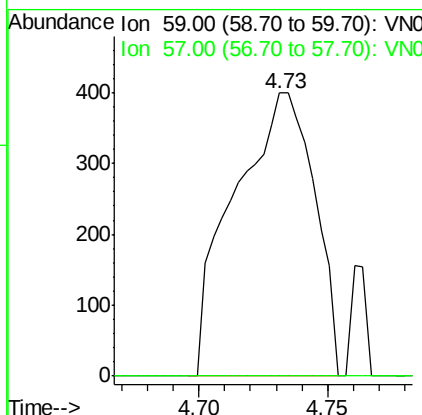
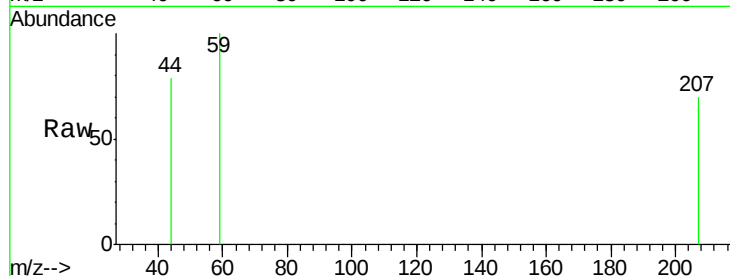
Tert butyl alcohol
Concen: 2.031 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

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

Tot Ion: 59 Resp: 866
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

Manual Integrations
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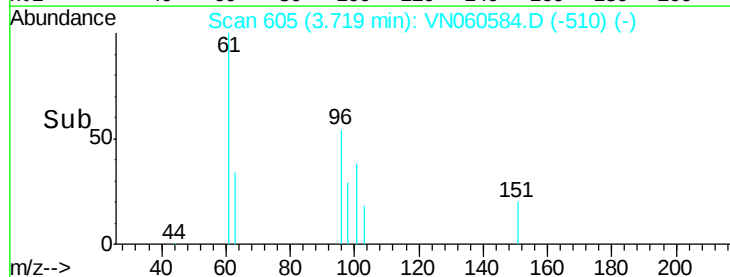
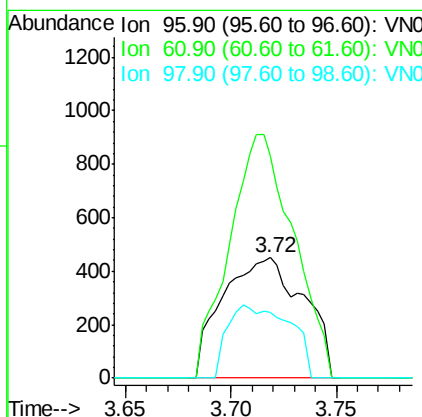
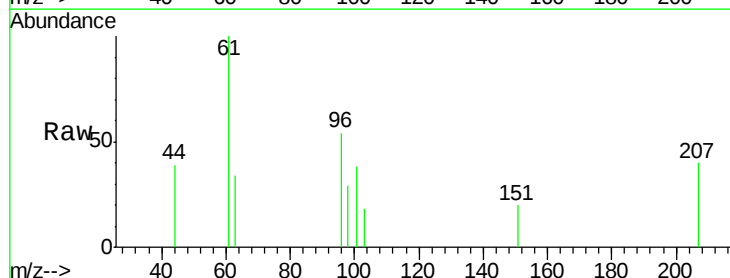
MMDadoda
3/19/2020 1:03:18 PM

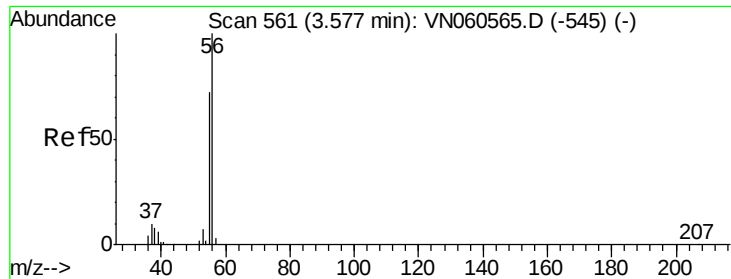


#12

1,1-Dichloroethene
Concen: 0.526 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.01 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

Tgt Ion: 96 Resp: 1203
Ion Ratio Lower Upper
96 100
61 184.7 134.1 201.1
98 54.2 49.9 74.9





#13

Acrolein

Concen: 1.718 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 56 Resp: 812

Ion Ratio Lower Upper

56 100

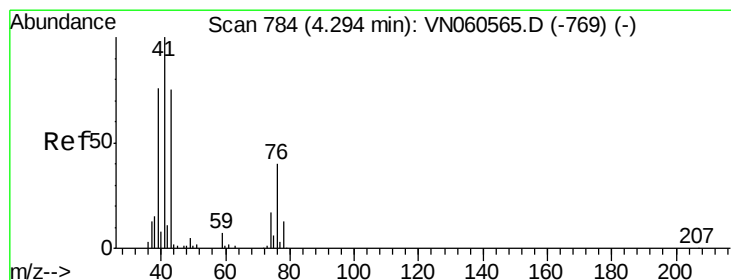
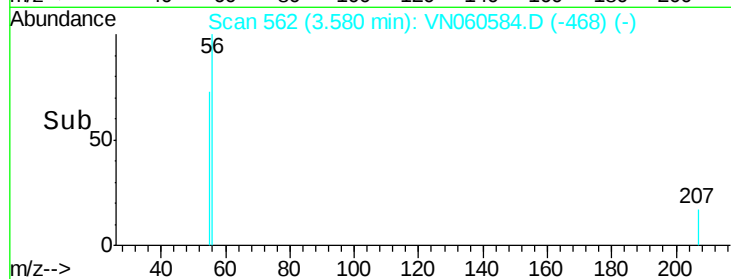
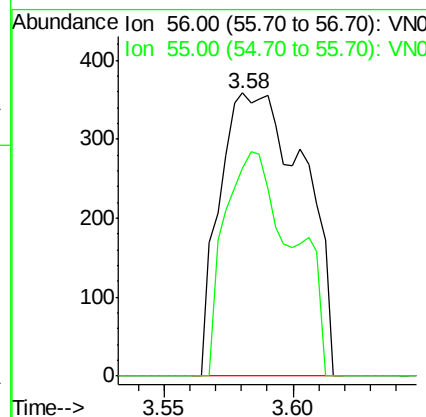
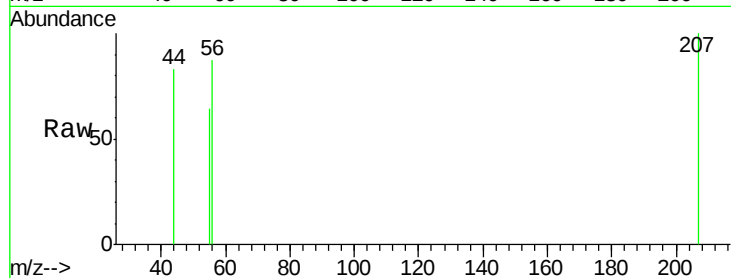
55 52.3 56.7 85.1#

Manual Integrations

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#14

Allyl chloride

Concen: 0.499 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

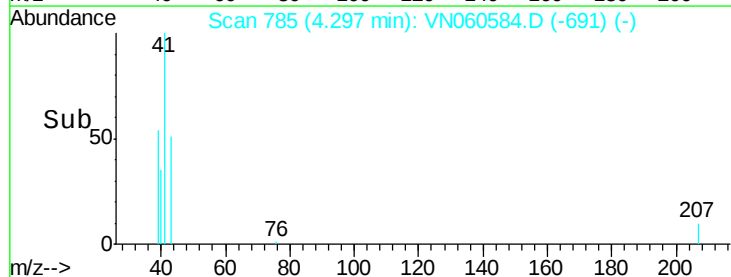
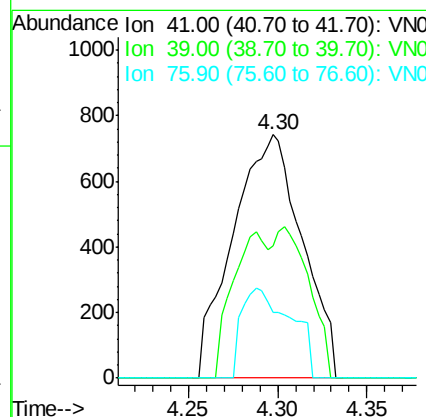
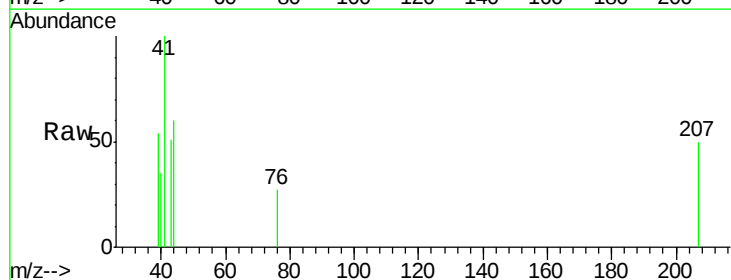
Tgt Ion: 41 Resp: 2006

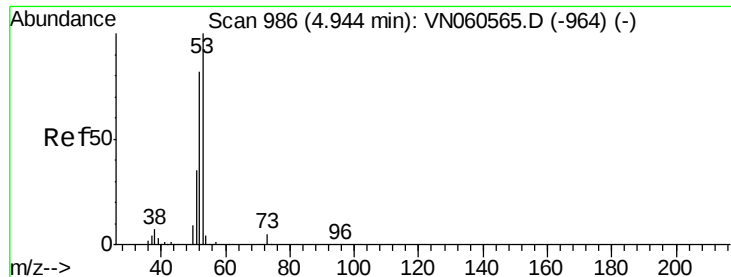
Ion Ratio Lower Upper

41 100

39 30.3 57.8 86.8#

76 26.3 28.6 43.0#





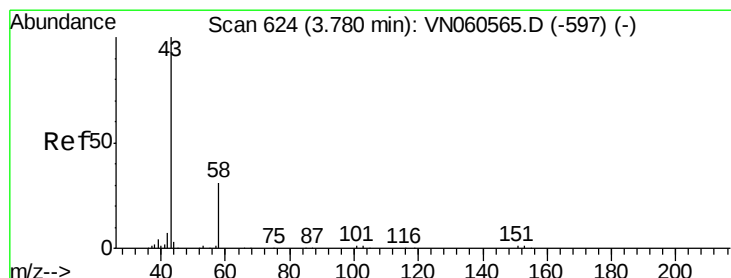
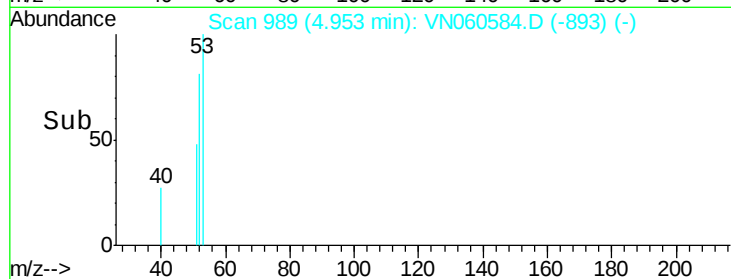
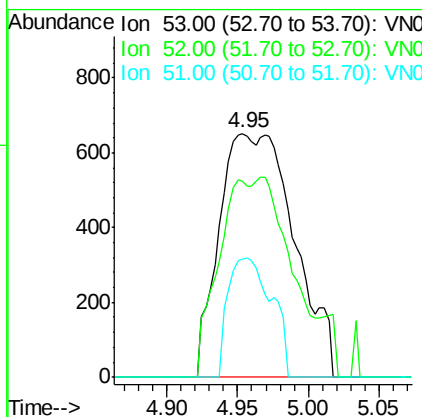
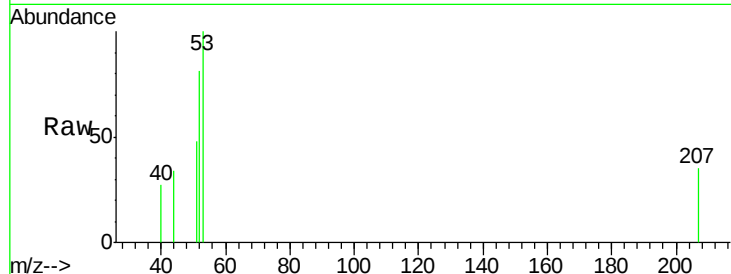
#15
 Acrylonitrile
 Concen: 1.915 ug/l m
 RT: 4.95 min Scan# 989
 Delta R.T. 0.01 min
 Lab File: VN060584.D
 Acq: 18 Mar 2020 12:16

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

Tot Ion	Ratio	Lower	Upper
53	100		
52	32.6	66.2	99.4#
51	28.1	28.7	43.1#

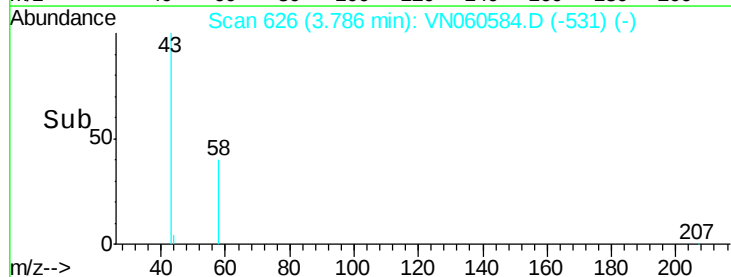
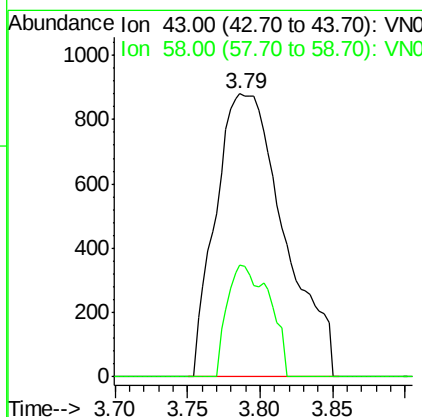
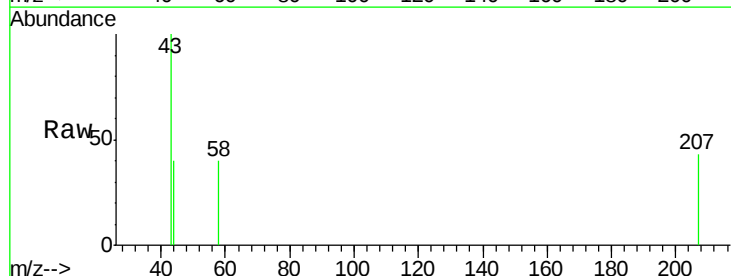
Manual Integrations
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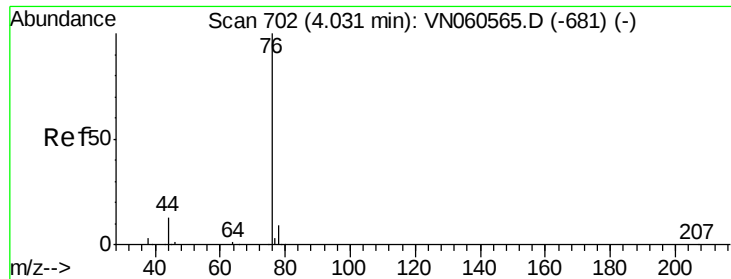
MMDadoda
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#16
 Acetone
 Concen: 2.815 ug/l
 RT: 3.79 min Scan# 626
 Delta R.T. 0.01 min
 Lab File: VN060584.D
 Acq: 18 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.5	25.1	37.7#





#17

Carbon Disulfide

Concen: 0.593 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 76 Resp: 4127

Ion Ratio Lower Upper

76 100

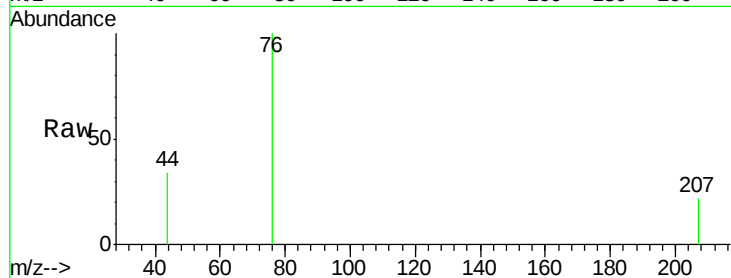
78 0.0 7.2 10.8#

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN060565.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN060565.D (-681) (-)

4.03

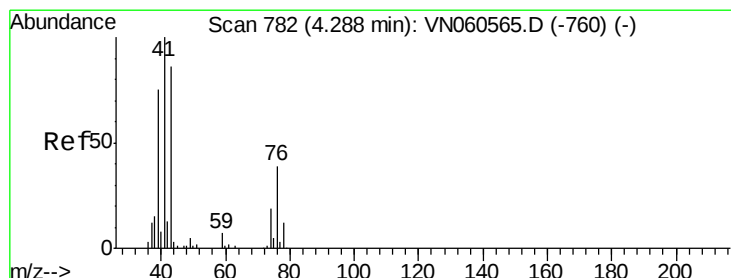
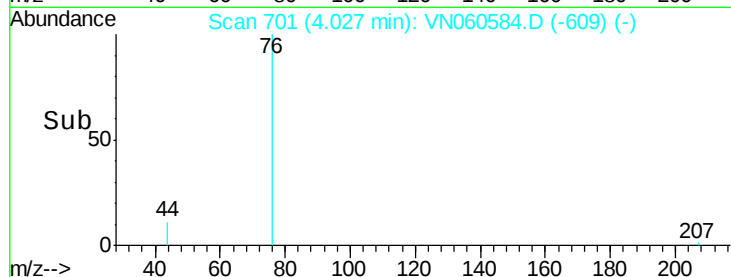
1500

1000

500

0

Time--> 3.95 4.00 4.05 4.10



#18

Methyl Acetate

Concen: 0.459 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.02 min

Lab File: VN060584.D

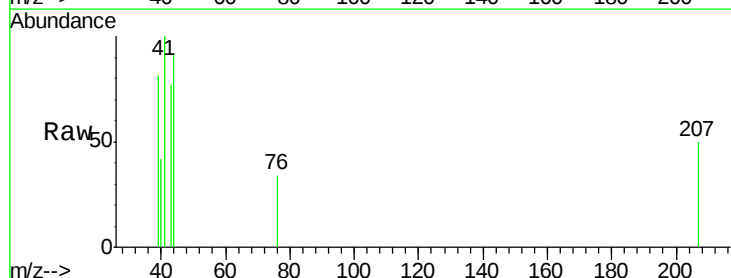
Acq: 18 Mar 2020 12:16

Tgt Ion: 43 Resp: 1326

Ion Ratio Lower Upper

43 100

74 0.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-760) (-)

Ion 74.00 (73.70 to 74.70): VN060565.D (-760) (-)

4.31

500

400

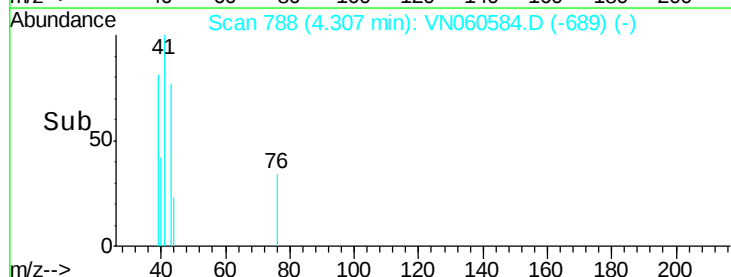
300

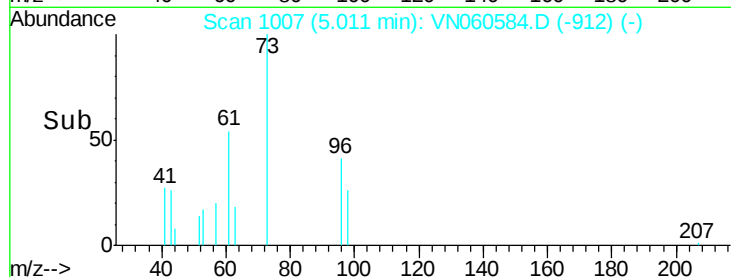
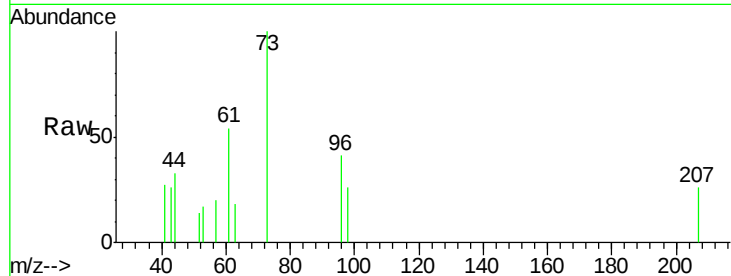
200

100

0

Time--> 4.25 4.30 4.35





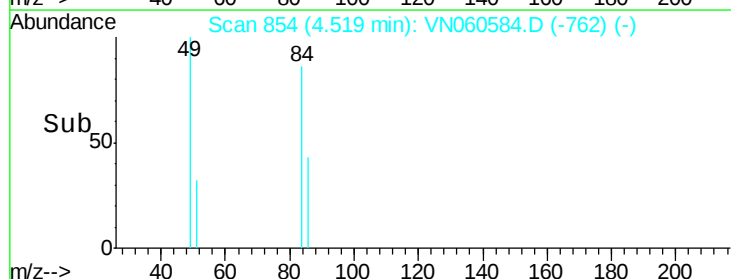
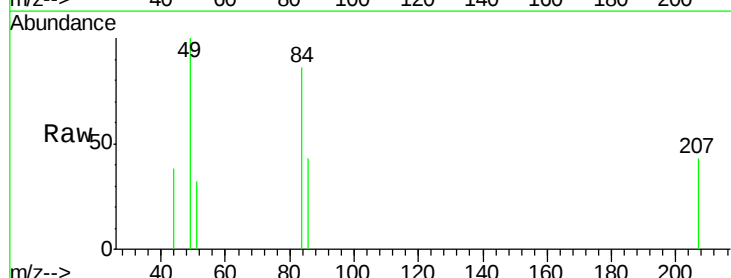
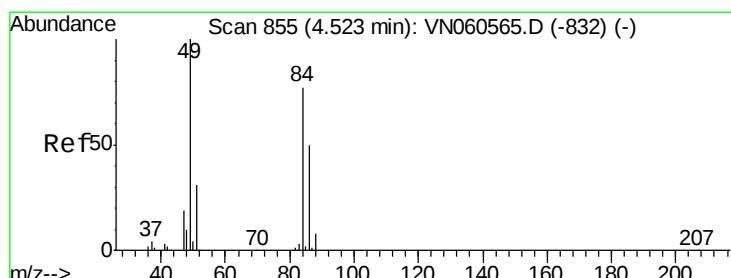
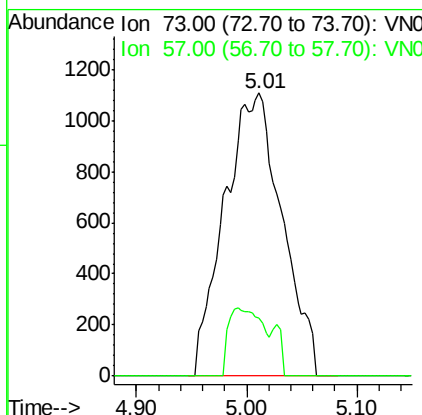
#19
Methyl tert-butyl Ether
Concen: 0.510 ug/l m
RT: 5.01 min Scan# 1007
Delta R.T. 0.01 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

Tot Ion: 73 Resp: 4013
Ion Ratio Lower Upper
73 100
57 20.4 17.5 26.3

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

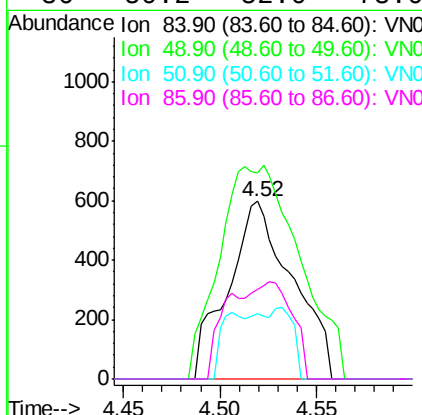
Manual Integrations
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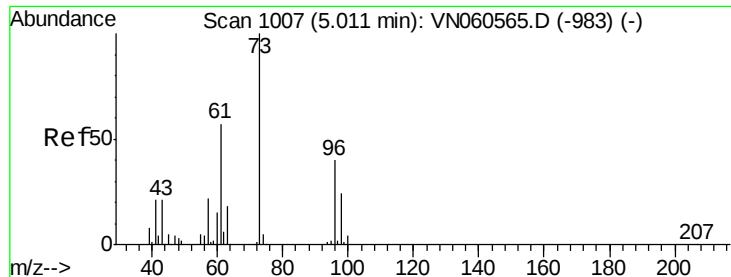
MMDadoda
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#20
Methylene Chloride
Concen: 0.547 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

Tgt Ion: 84 Resp: 1383
Ion Ratio Lower Upper
84 100
49 115.7 103.3 154.9
51 36.6 31.6 47.4
86 50.2 52.0 78.0#





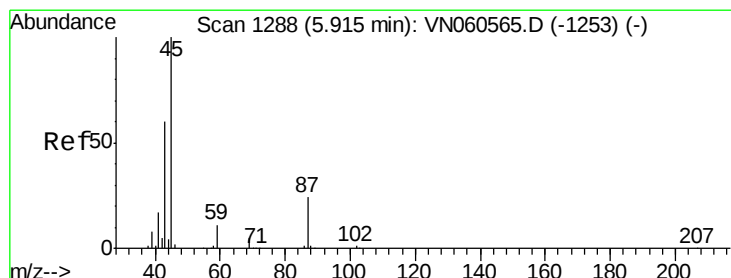
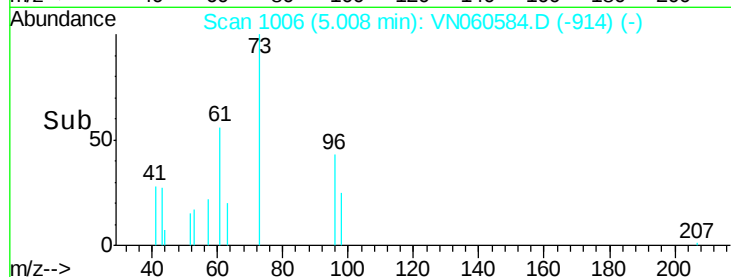
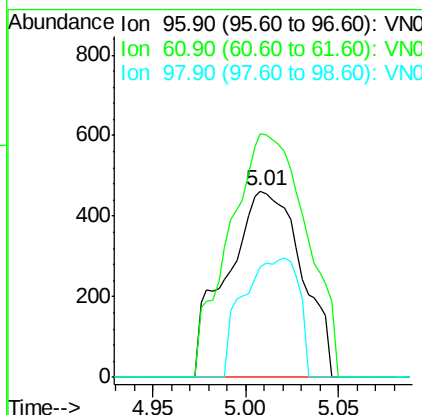
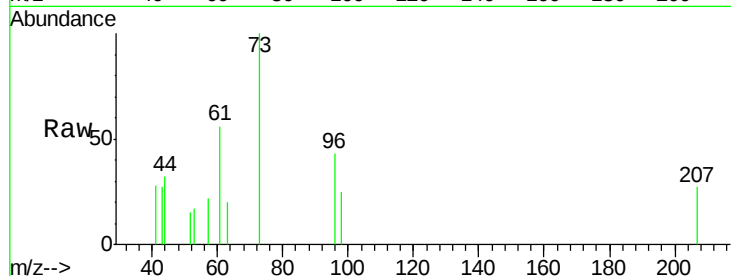
#21
trans-1,2-Dichloroethene
Concen: 0.532 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.5	114.4	171.6
98	59.4	48.4	72.6

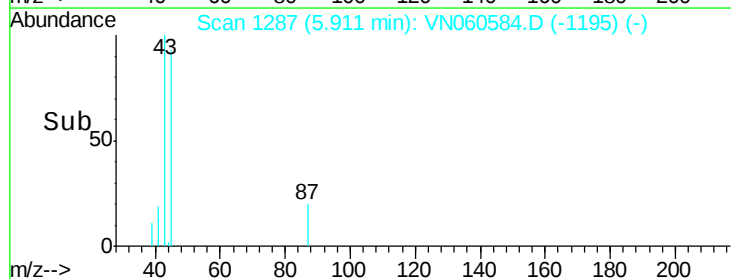
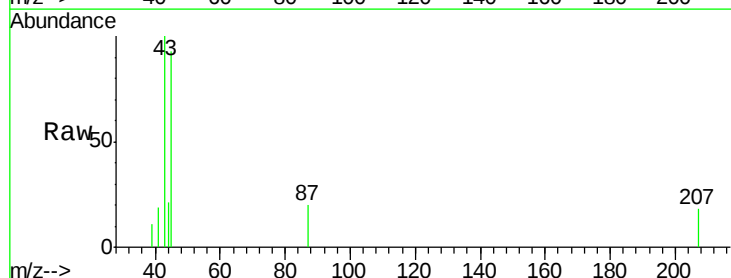
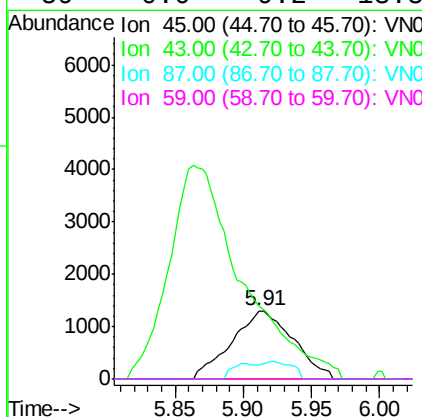
Manual Integrations
APPROVED

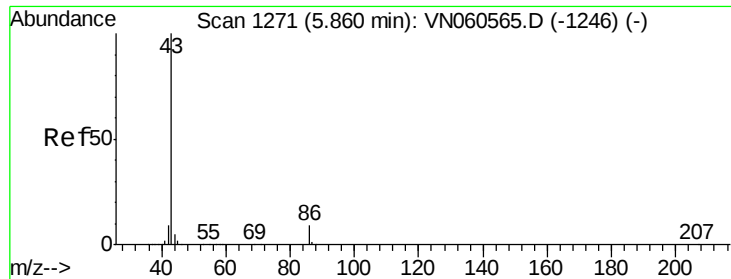
MMDadoda
3/19/2020 1:03:18 PM



#22
Diisopropyl ether
Concen: 0.478 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	93.2	49.8	74.8#
87	21.2	20.1	30.1
59	0.0	9.2	13.8#





#23

Vinyl Acetate

Concen: 2.202 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 43 Resp: 15270

Ion Ratio Lower Upper

43 100

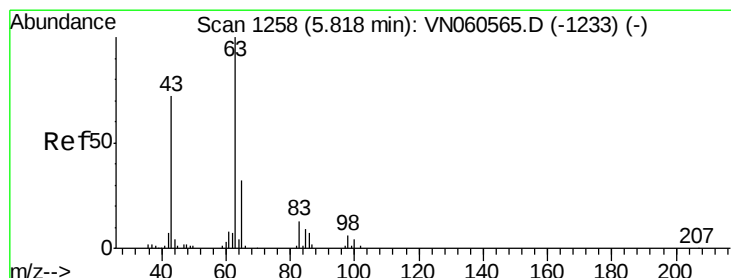
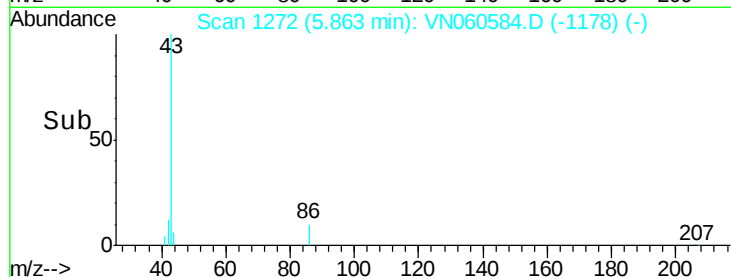
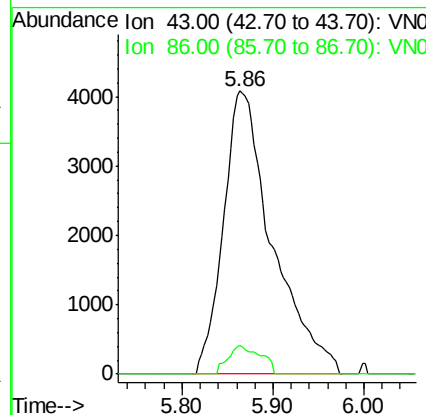
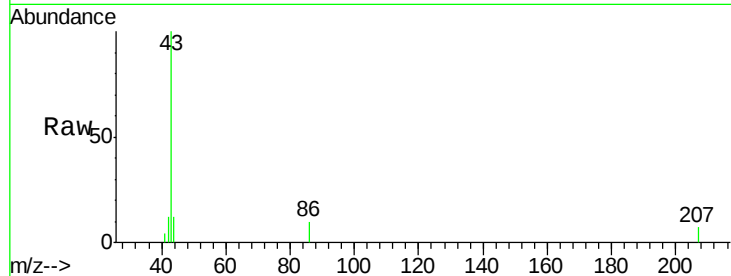
86 10.3 7.6 11.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 0.493 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

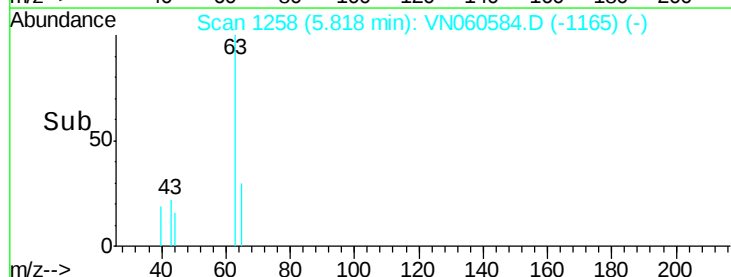
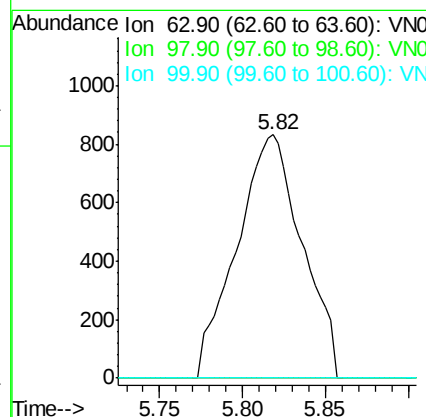
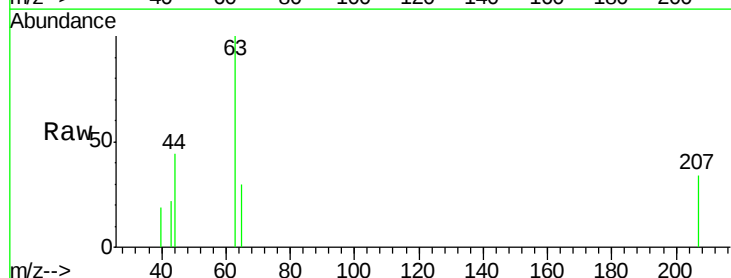
Tgt Ion: 63 Resp: 2285

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.7#

100 0.0 1.8 5.5#





#25

2-Butanone

Concen: 2.282 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.02 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 43 Resp: 3793

Ion Ratio Lower Upper

43 100

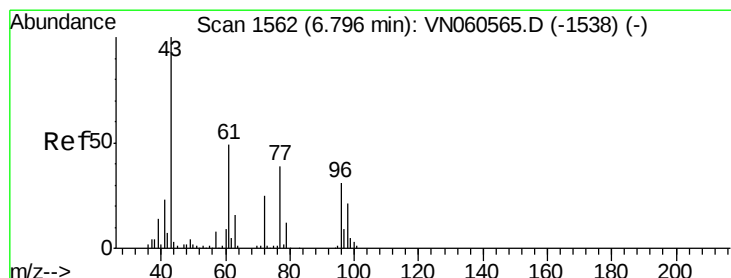
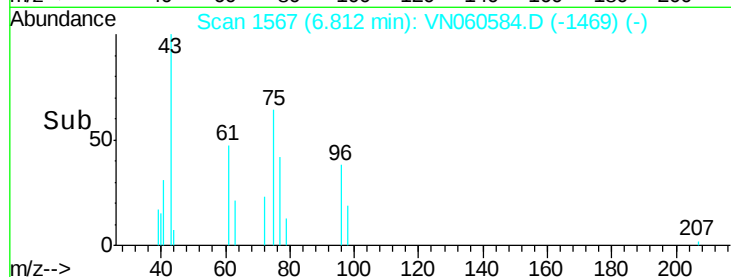
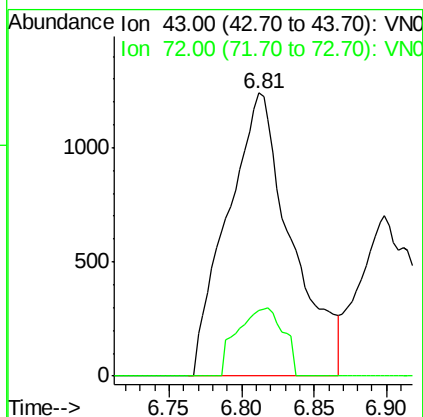
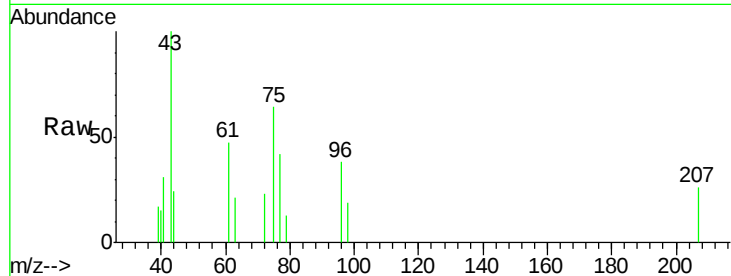
72 23.1 20.4 30.6

Manual Integrations

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MMDadoda

3/19/2020 1:03:18 PM



#26

2,2-Dichloropropane

Concen: 0.571 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN060584.D

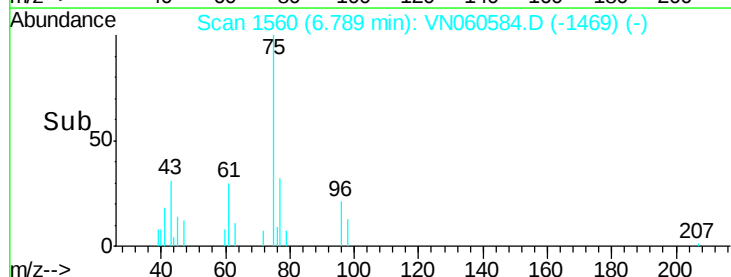
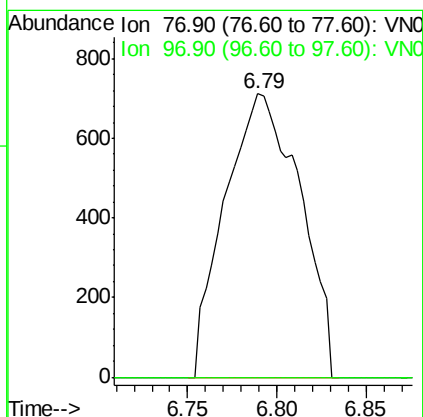
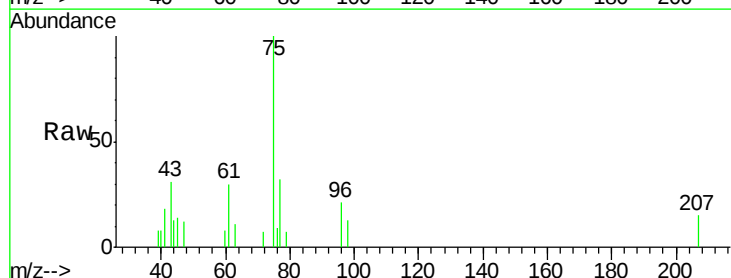
Acq: 18 Mar 2020 12:16

Tgt Ion: 77 Resp: 2083

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#





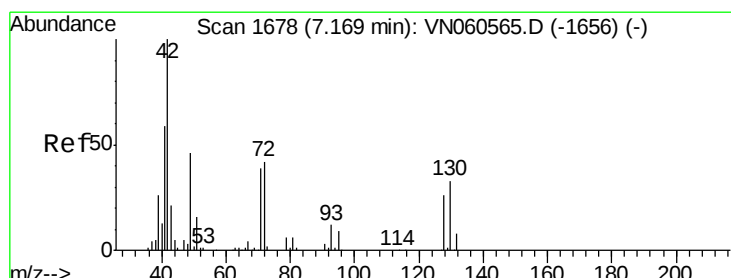
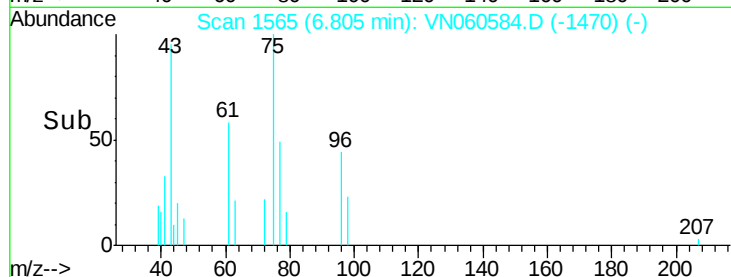
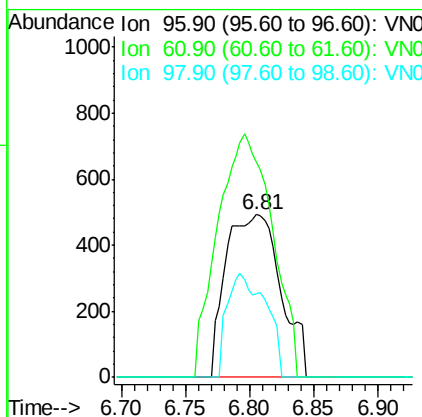
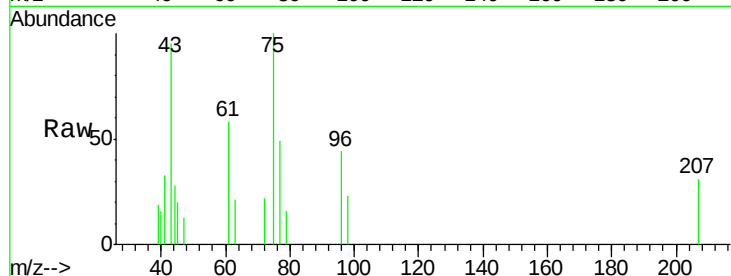
#27
 cis-1,2-Dichloroethene
 Concen: 0.527 ug/l m
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: VN060584.D
 Acq: 18 Mar 2020 12:16

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	305.6
98	44.8	0.0	127.6

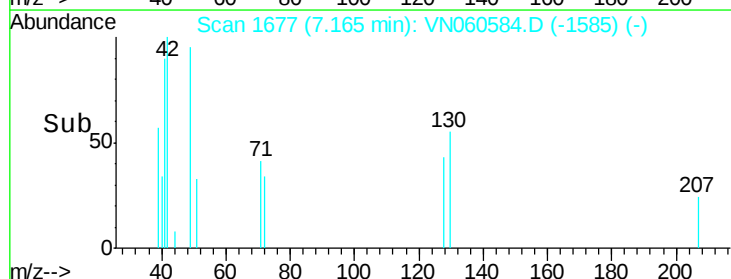
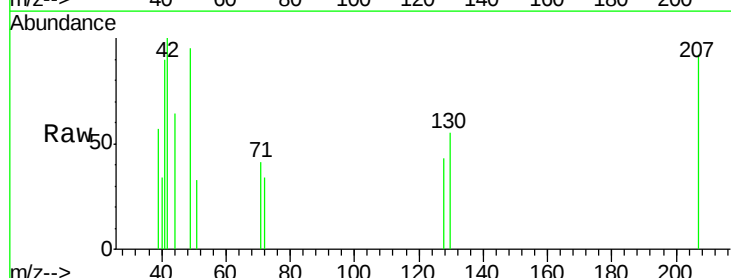
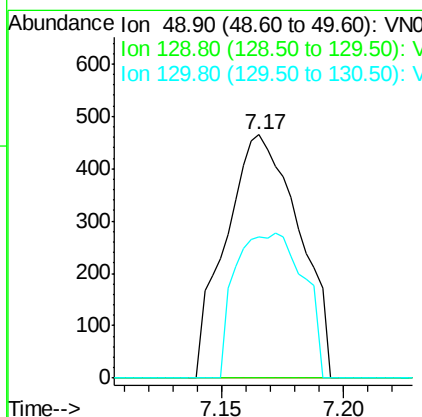
Manual Integrations
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MMDadoda
 3/19/2020 1:03:18 PM



#28
 Bromochloromethane
 Concen: 0.436 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060584.D
 Acq: 18 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	55.5	55.0	82.4





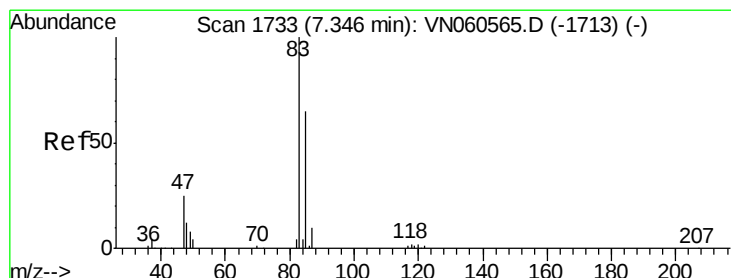
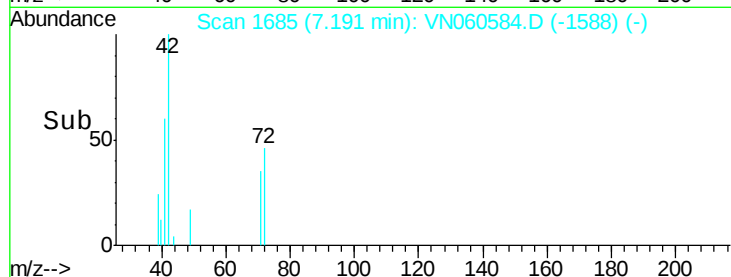
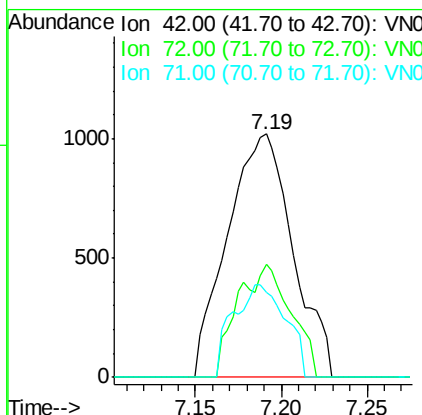
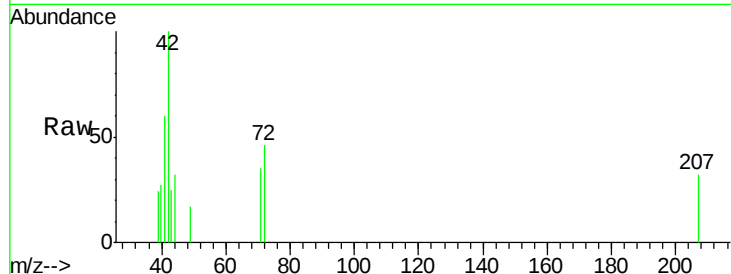
#29
Tetrahydrofuran
Concen: 2.290 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	22.7	33.2	49.8#
71	30.4	31.1	46.7#

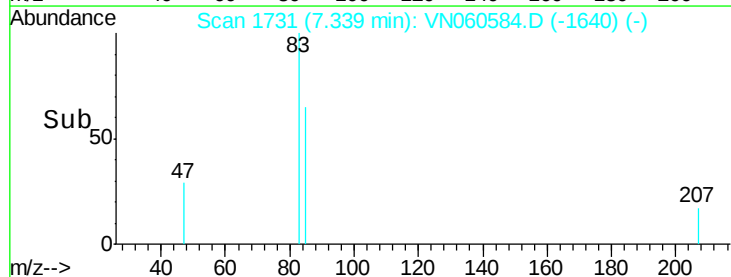
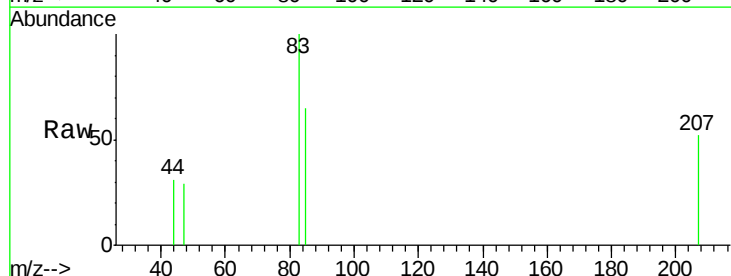
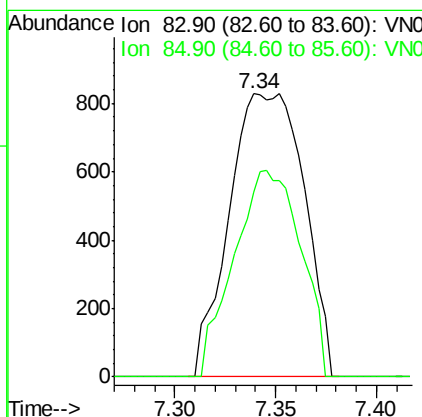
Manual Integrations
APPROVED

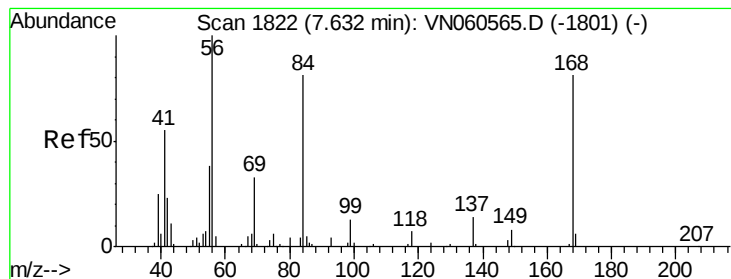
MMDadoda
3/19/2020 1:03:18 PM



#30
Chloroform
Concen: 0.482 ug/l
RT: 7.34 min Scan# 1731
Delta R.T. -0.01 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.8





#31

Cyclohexane

Concen: 1.425 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

Instrument :

MSVOA_N

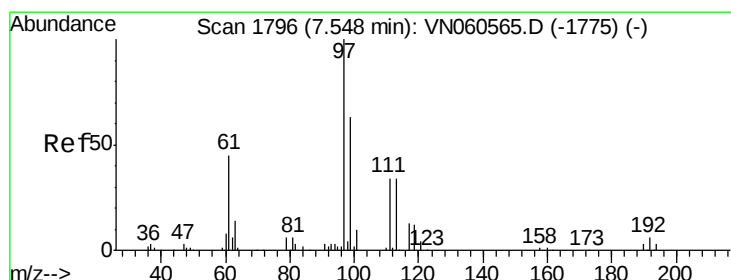
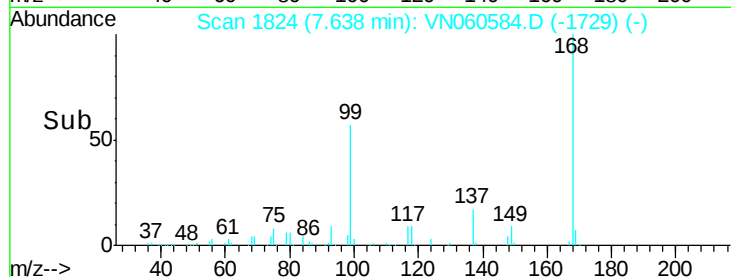
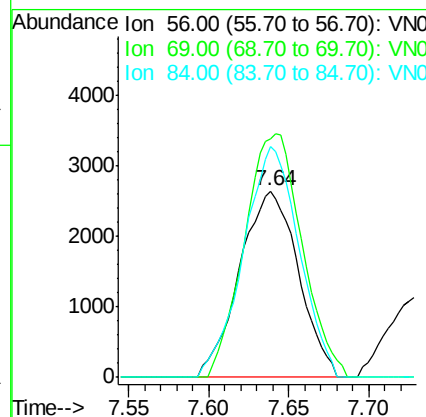
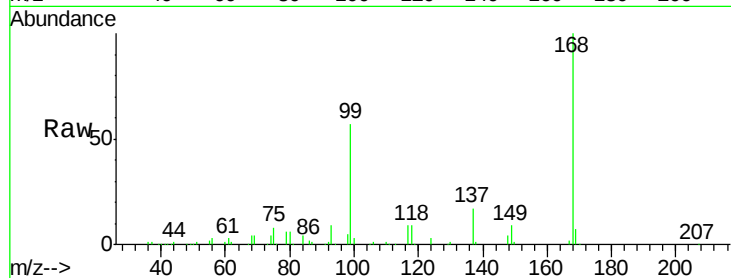
ClientSampleId :

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

Tot Ion:	56	Resp:	6654
Ion Ratio	Lower	Upper	
56	100		
69	128.5	26.6	40.0#
84	124.1	64.3	96.5#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 0.526 ug/l

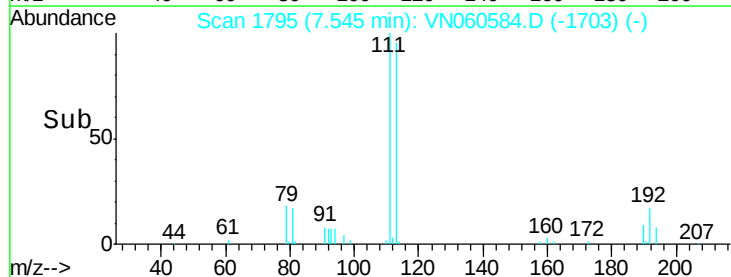
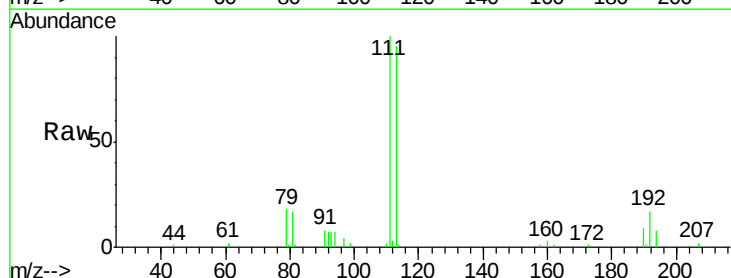
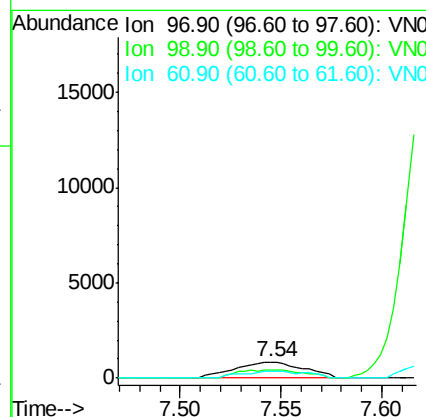
RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

Tgt Ion:	97	Resp:	2012
Ion Ratio	Lower	Upper	
97	100		
99	0.0	50.6	75.8#
61	40.0	36.2	54.4





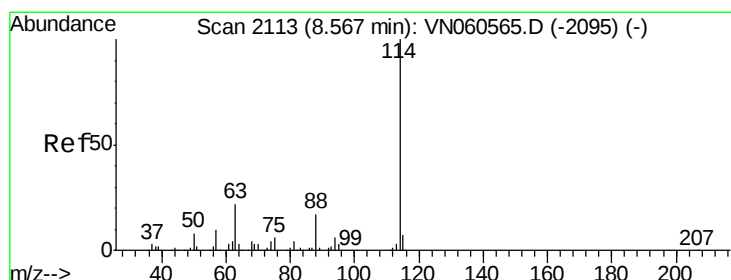
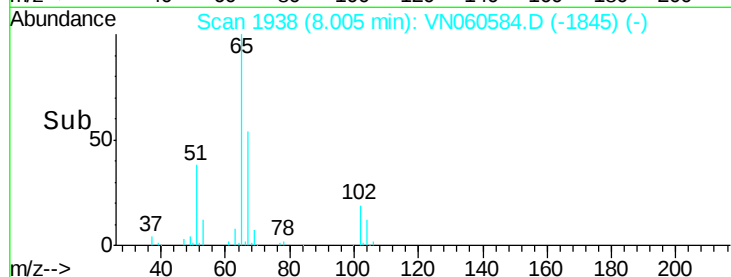
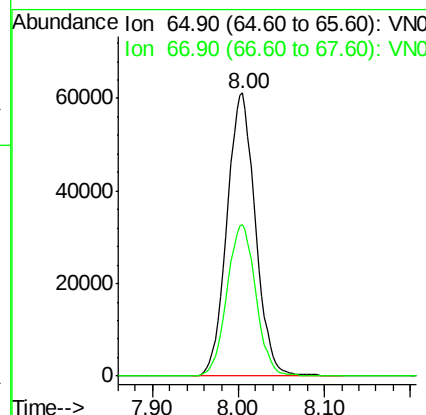
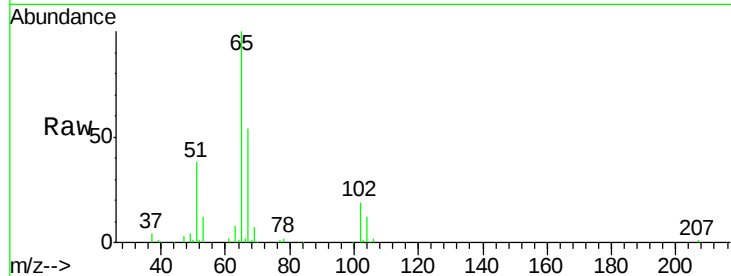
#33
 1,2-Dichloroethane-d4
 Concen: 48.475 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060584.D
 Acq: 18 Mar 2020 12:16

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

Tot Ion	Ratio	Resp	Lower	Upper
65	100	140572		
67	54.2	0.0	107.6	

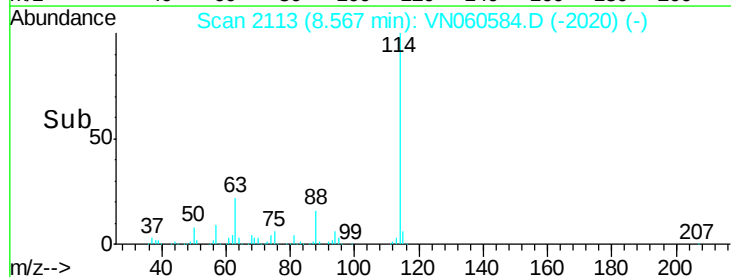
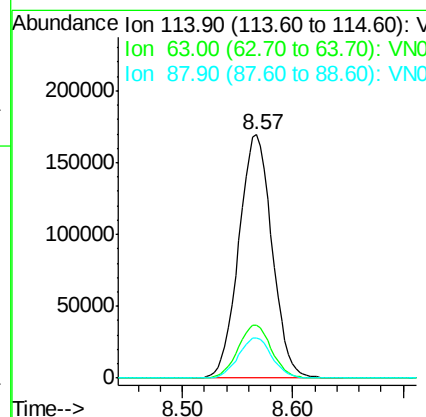
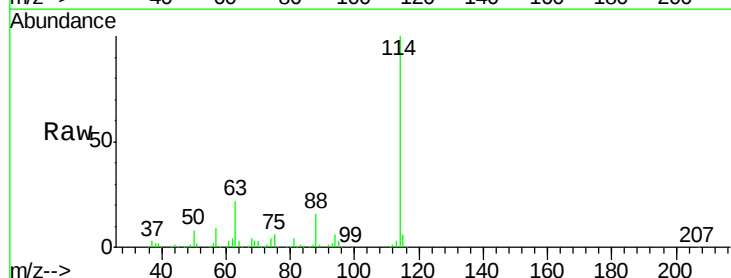
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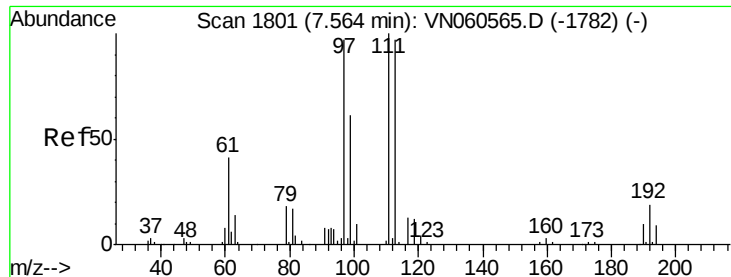
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060584.D
 Acq: 18 Mar 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	353911		
63	21.7	0.0	43.8	
88	16.5	0.0	33.0	





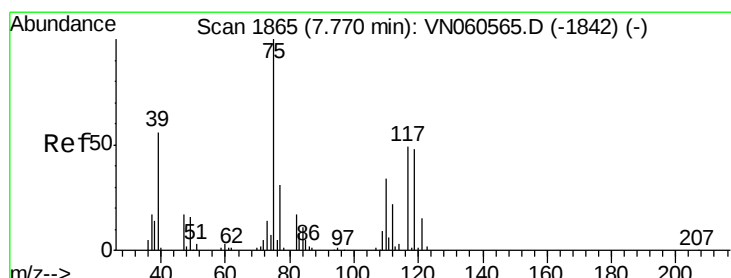
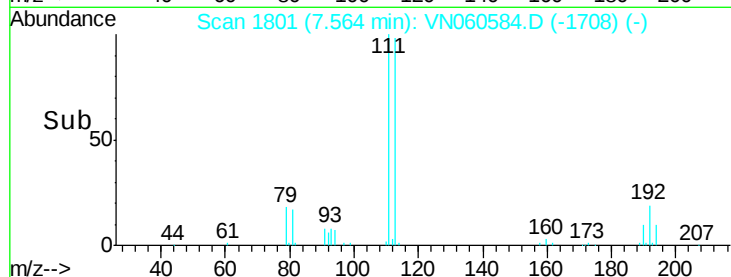
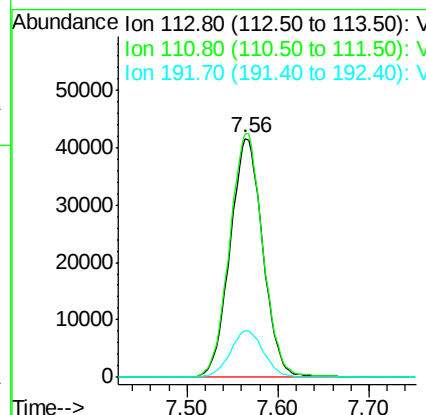
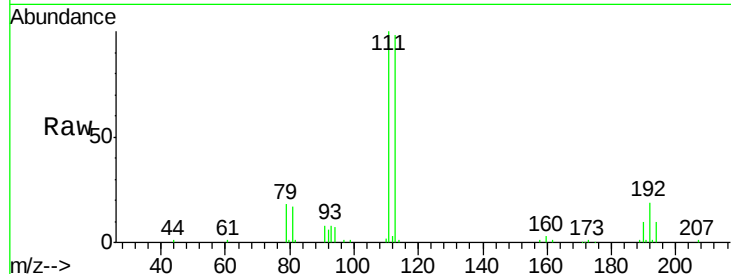
#35
 Dibromofluoromethane
 Concen: 48.593 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060584.D
 Acq: 18 Mar 2020 12:16

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

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.7	82.9	124.3	
192	19.8	15.8	23.8	

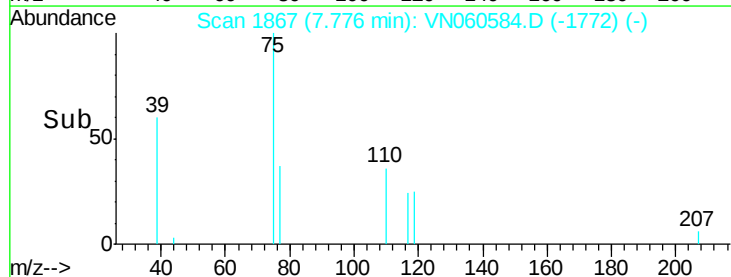
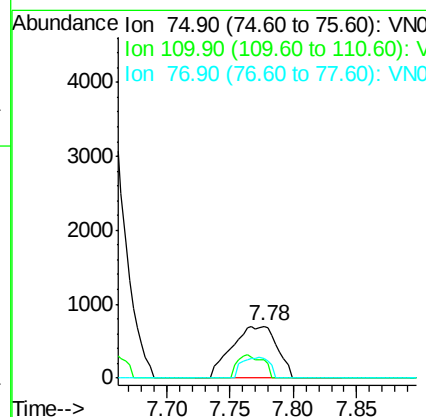
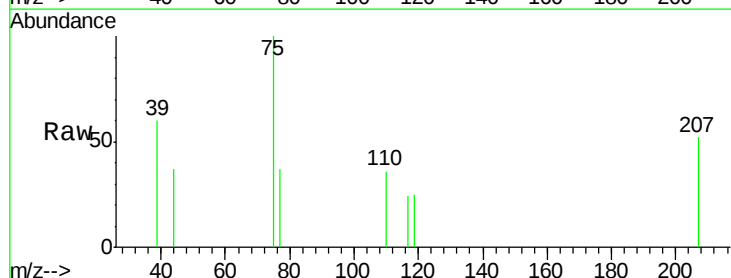
Manual Integrations
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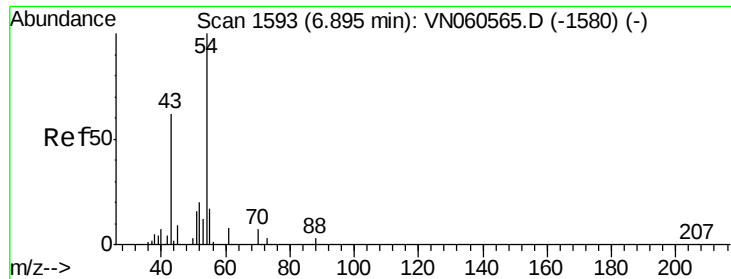
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 3/19/2020 1:03:18 PM



#36
 1,1-Dichloropropene
 Concen: 0.502 ug/l m
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VN060584.D
 Acq: 18 Mar 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	25.7	16.9	50.6	
77	23.9	24.6	36.8#	





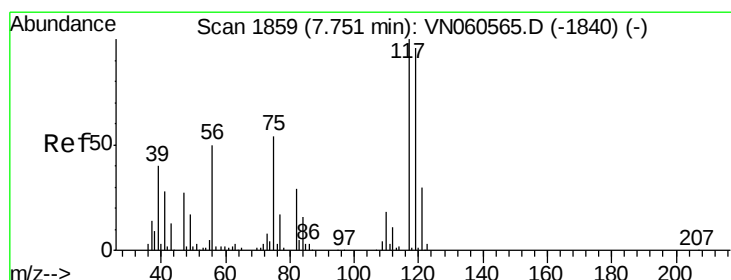
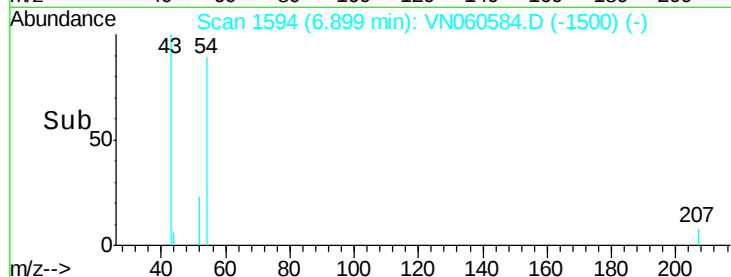
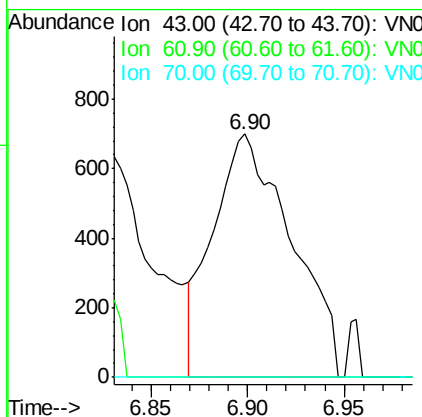
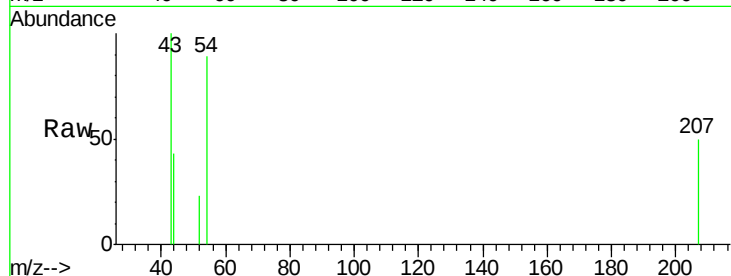
#37
Ethyl Acetate
Concen: 0.532 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

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#

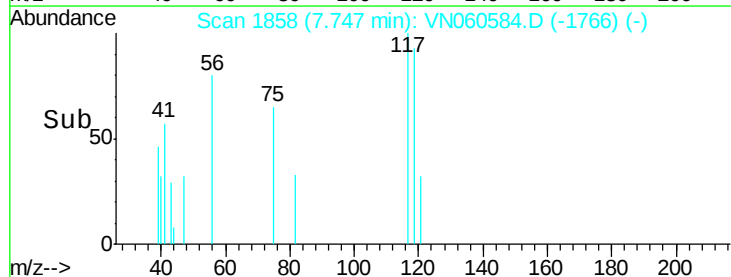
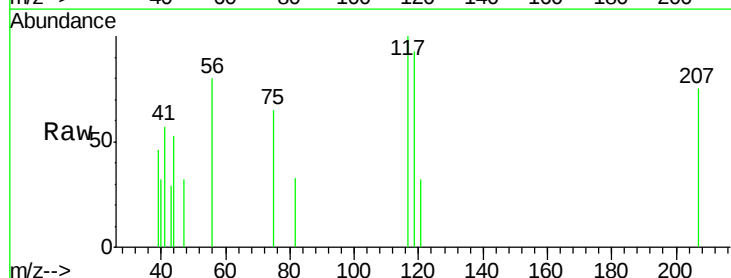
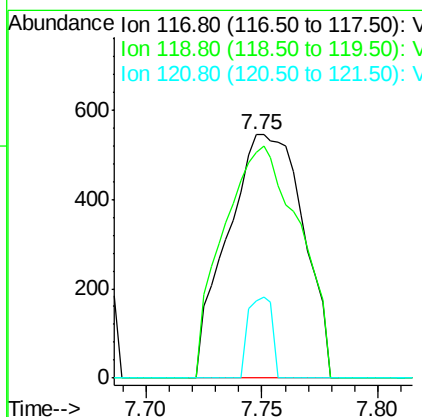
Manual Integrations
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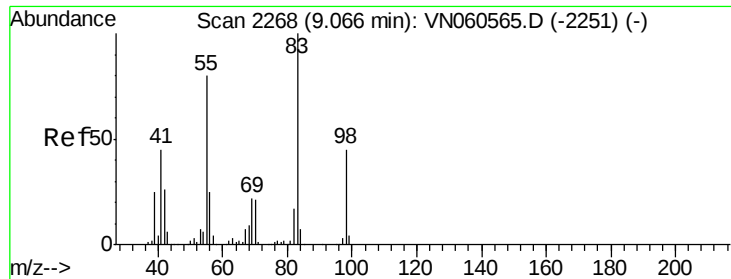
MMDadoda
3/19/2020 1:03:18 PM



#38
Carbon Tetrachloride
Concen: 0.401 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	76.2	114.2
121	32.0	23.7	35.5





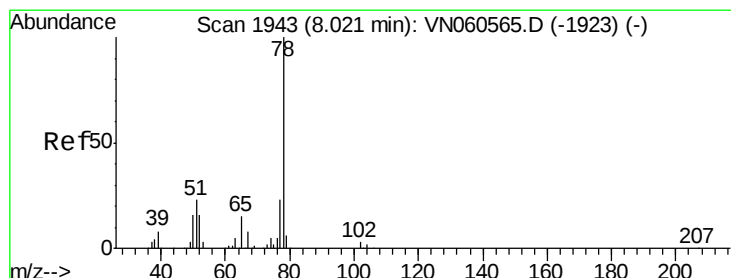
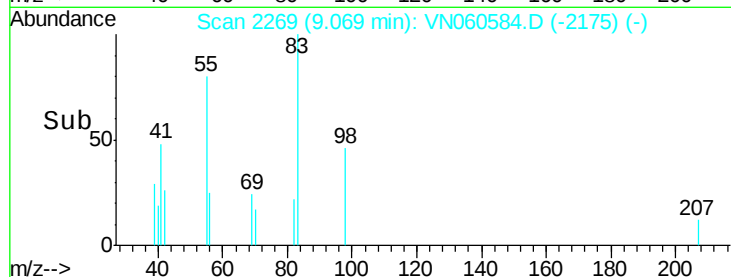
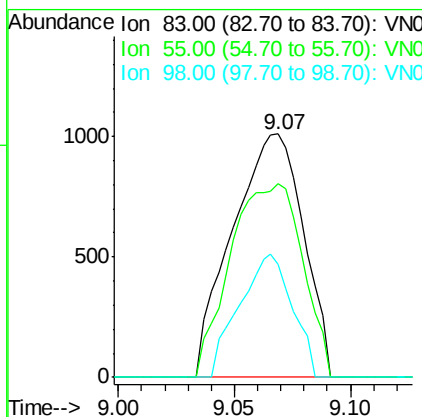
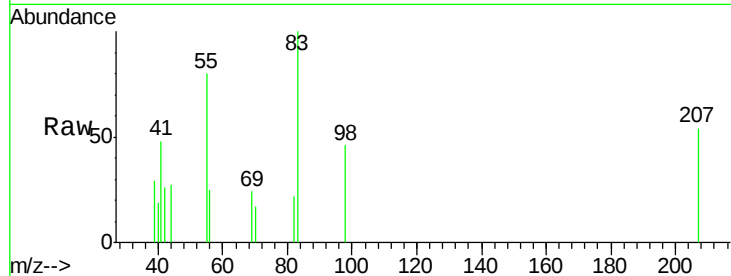
#39
Methvlcvclohexane
Concen: 0.528 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.5	63.6	95.4
98	46.2	36.0	54.0

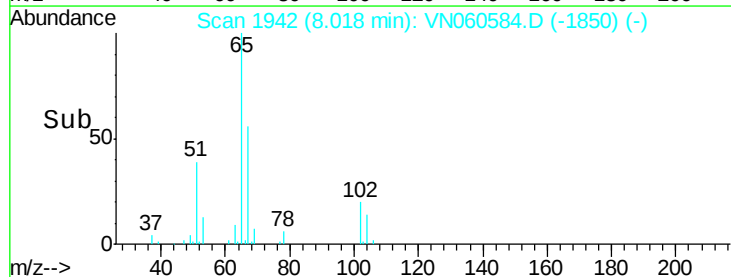
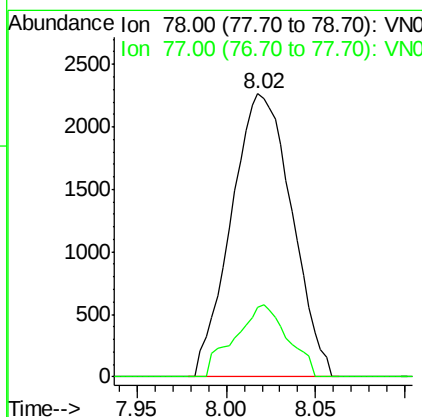
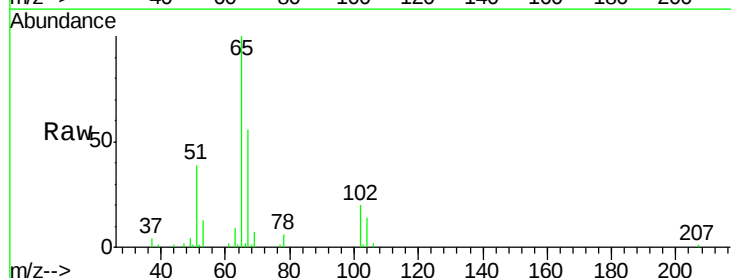
Manual Integrations
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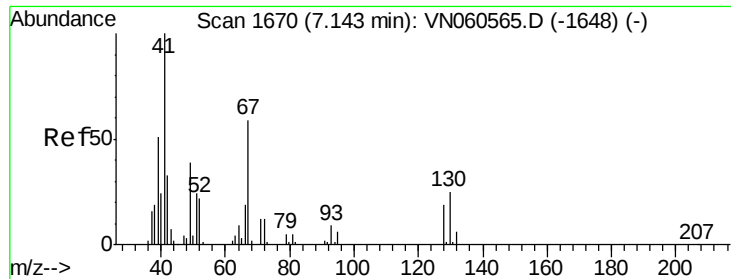
MMDadoda
3/19/2020 1:03:18 PM



#40
Benzene
Concen: 0.517 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.6	28.0





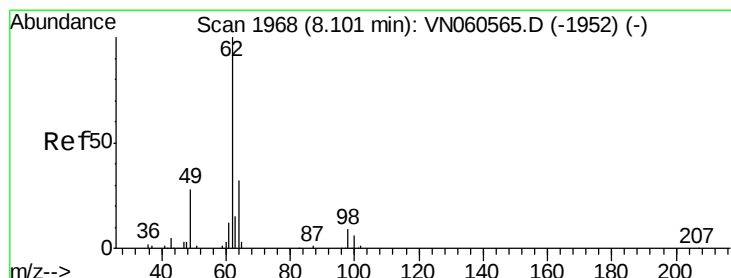
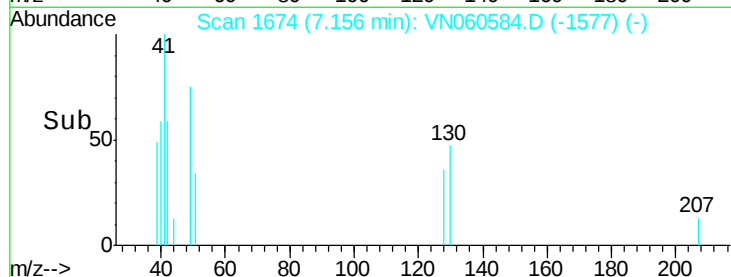
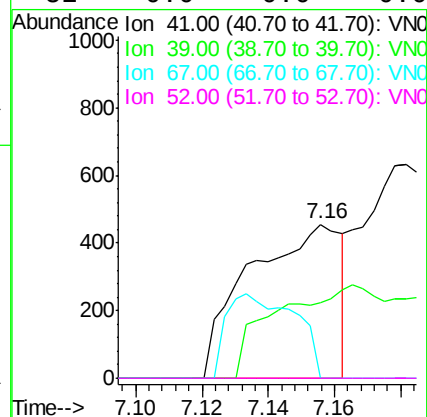
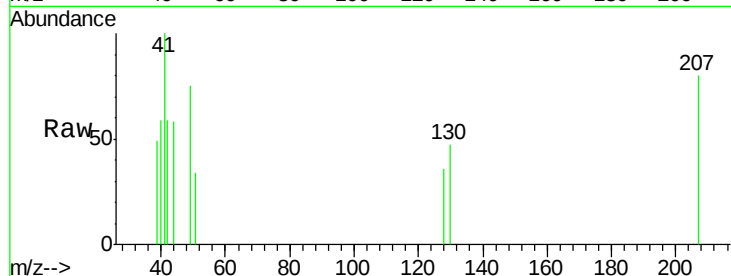
#41
Methacrylonitrile
Concen: 0.555 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.01 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	68.2	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

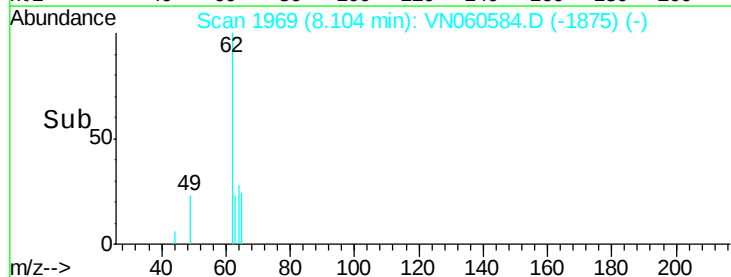
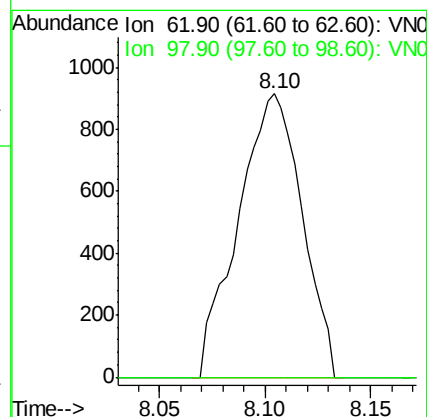
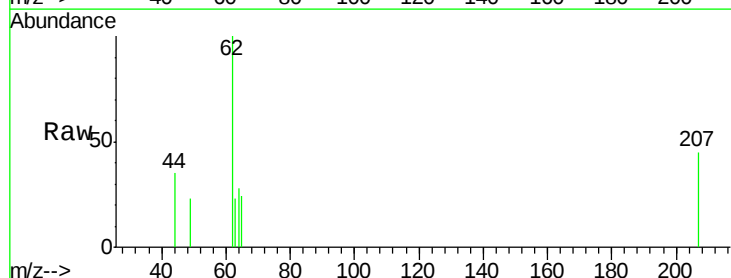
Manual Integrations
APPROVED

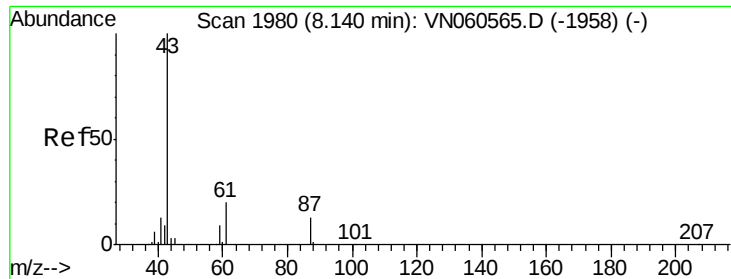
MMDadoda
3/19/2020 1:03:18 PM



#42
1,2-Dichloroethane
Concen: 0.545 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	17.8





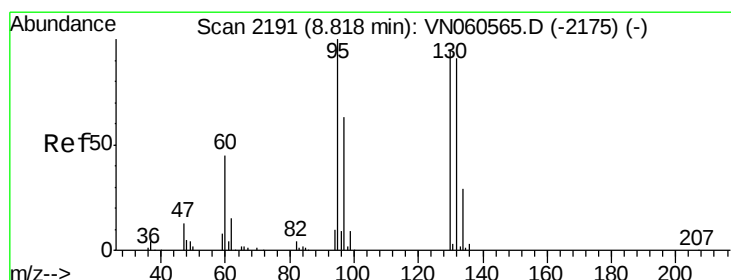
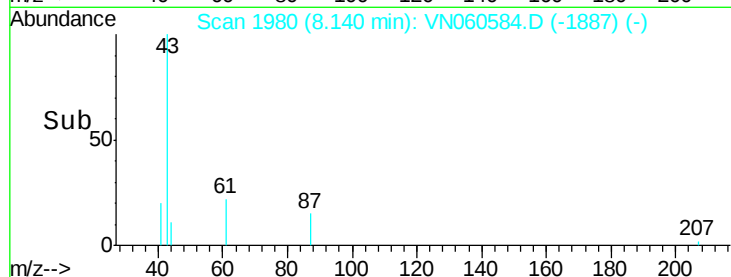
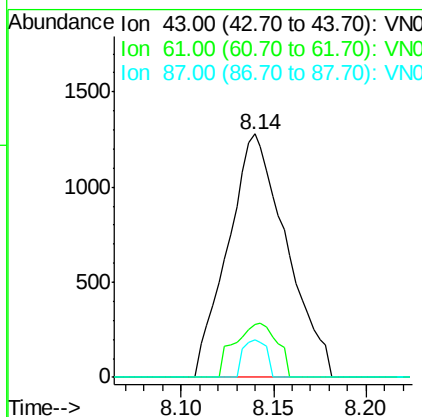
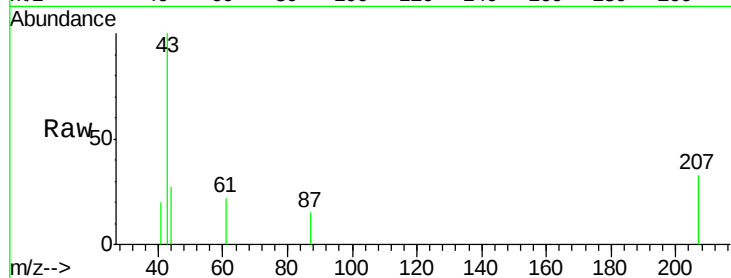
#43
Isopropyl Acetate
Concen: 0.460 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	20.7	31.1#
87	6.0	9.8	14.8#

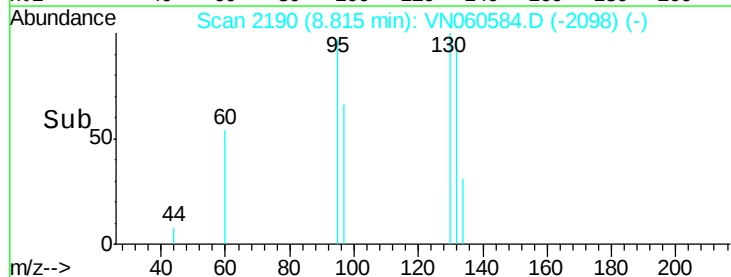
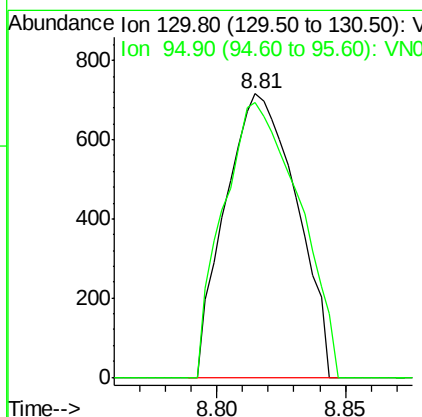
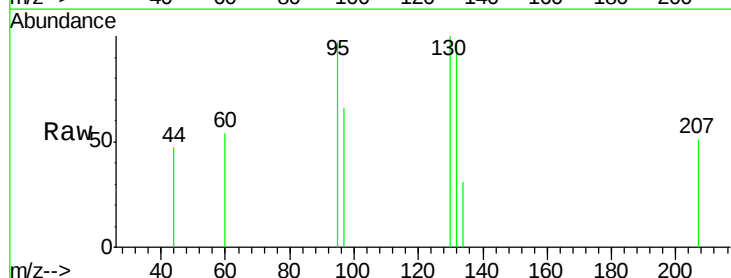
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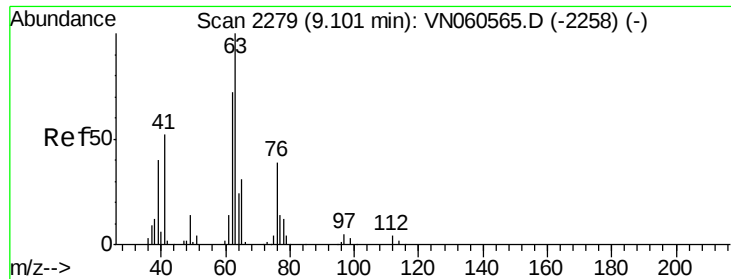
MMDadoda
3/19/2020 1:03:18 PM



#44
Trichloroethene
Concen: 0.526 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	211.2





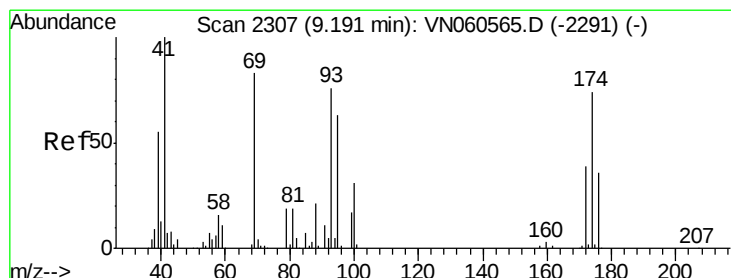
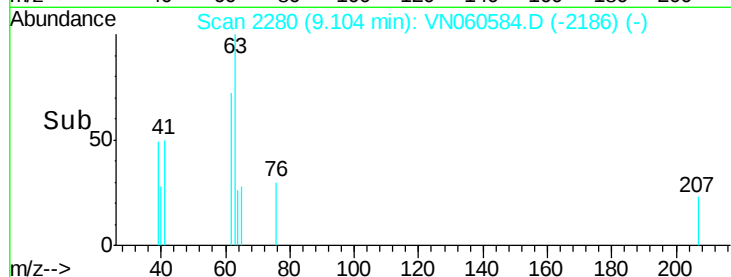
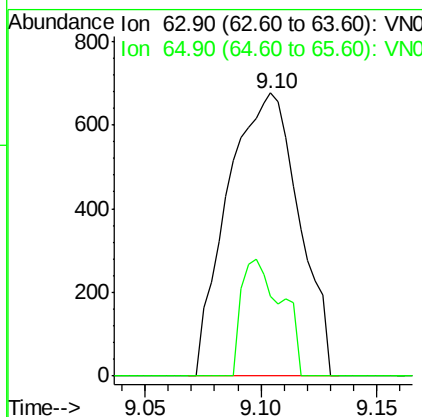
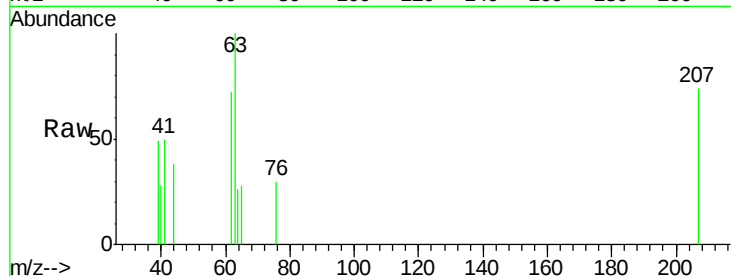
#45
 1,2-Dichloropropane
 Concen: 0.529 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN060584.D
 Acq: 18 Mar 2020 12:16

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

Tot Ion: 63 Resp: 1445
 Ion Ratio Lower Upper
 63 100
 65 28.1 25.4 38.0

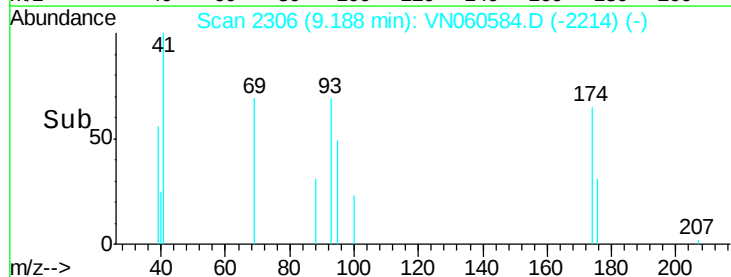
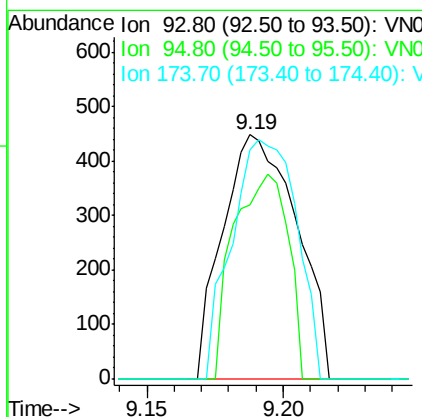
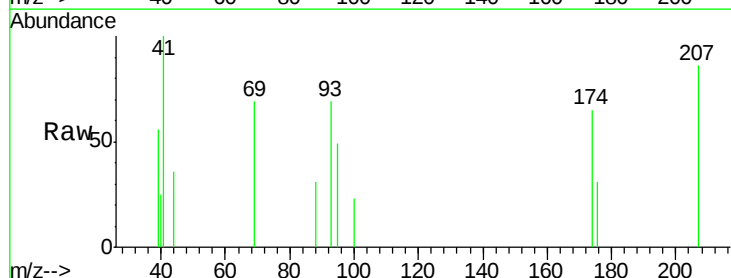
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#46
 Dibromomethane
 Concen: 0.511 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060584.D
 Acq: 18 Mar 2020 12:16

Tgt Ion: 93 Resp: 843
 Ion Ratio Lower Upper
 93 100
 95 61.8 66.2 99.4#
 174 86.0 77.9 116.9





#47

Bromodichloromethane

Concen: 0.458 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

Instrument :

MSVOA_N

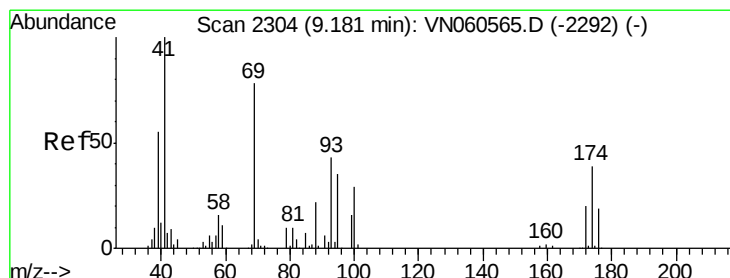
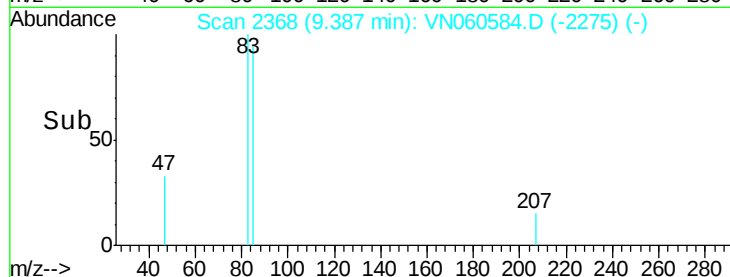
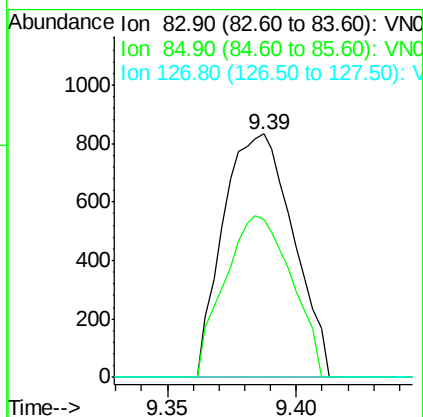
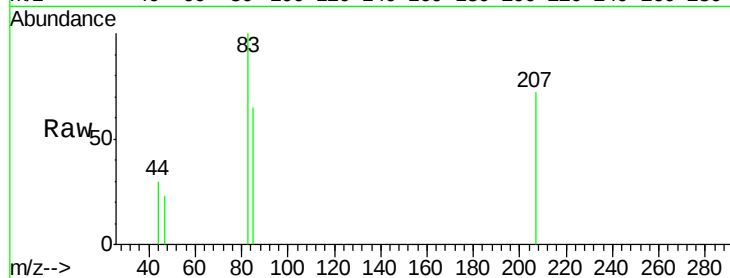
ClientSampleId :

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

Tot Ion:	83	Resp:	1569
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.6
127	0.0	6.5	9.7#

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#48

Methyl methacrylate

Concen: 0.479 ug/l

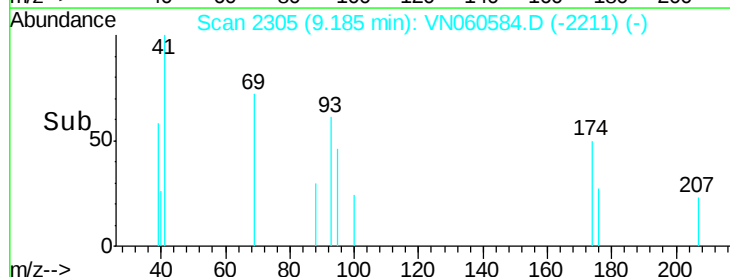
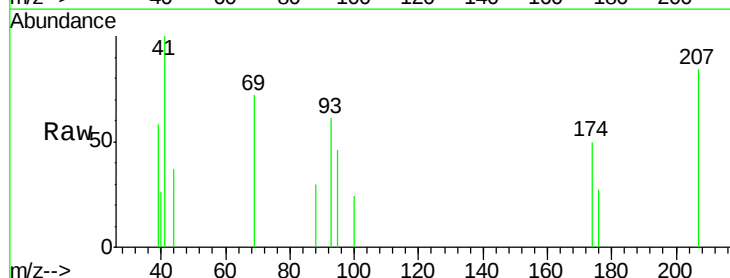
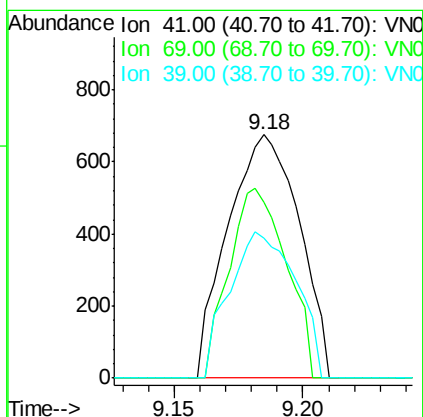
RT: 9.18 min Scan# 2305

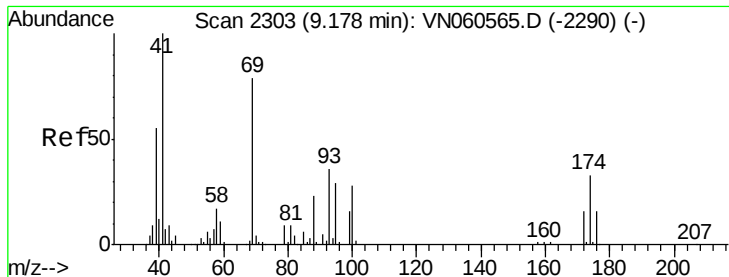
Delta R.T. 0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

Tgt Ion:	41	Resp:	1303
Ion	Ratio	Lower	Upper
41	100		
69	62.9	65.4	98.0#
39	56.0	44.0	66.0





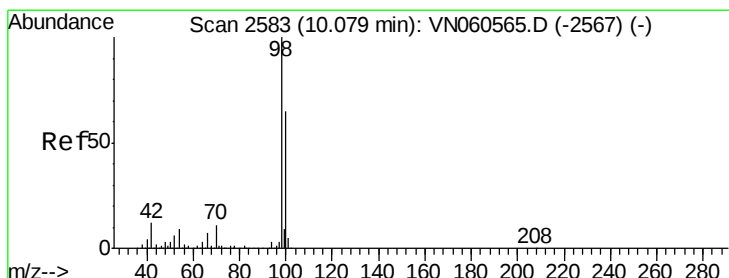
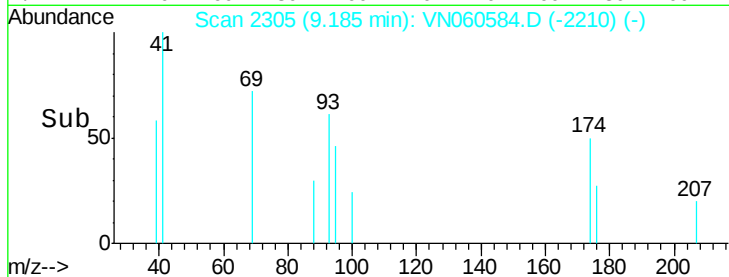
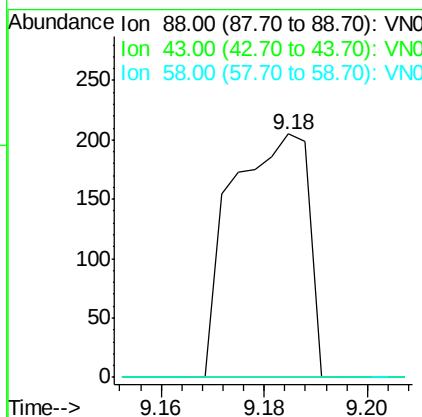
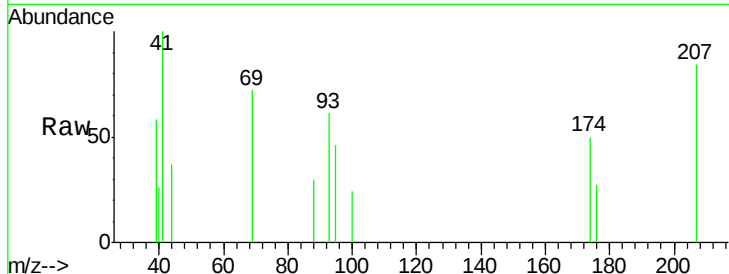
#49
1,4-Dioxane
Concen: 6.529 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.01 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

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	0.0	59.8	89.8#

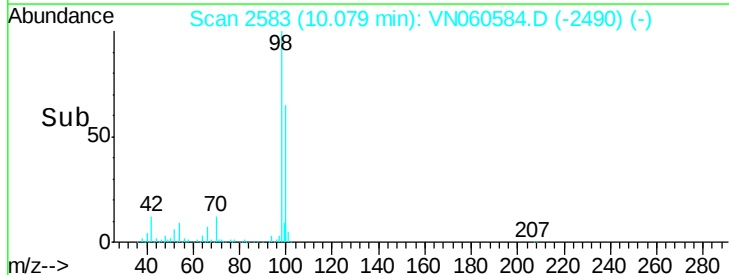
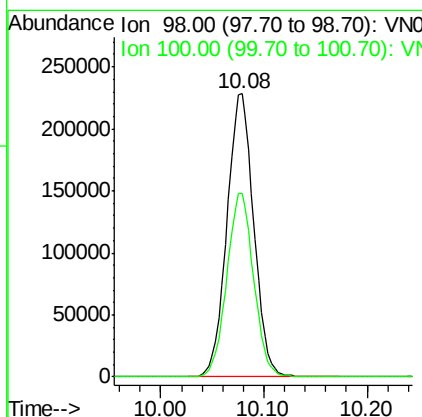
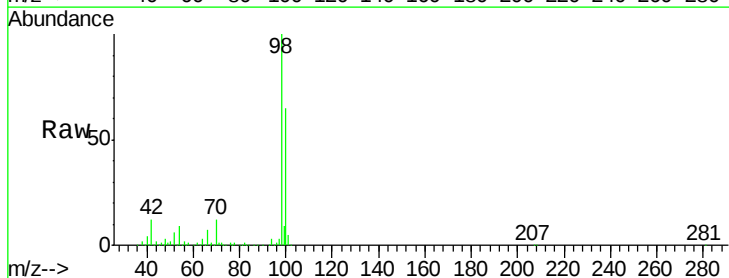
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#50
Toluene-d8
Concen: 47.310 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.8	77.8





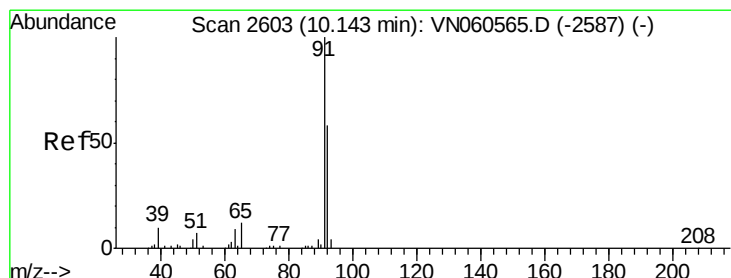
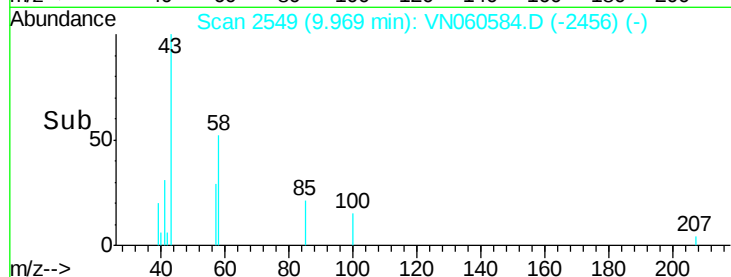
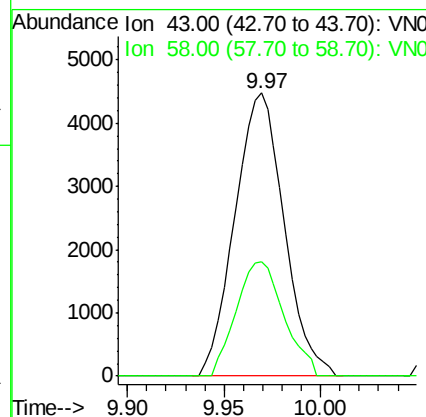
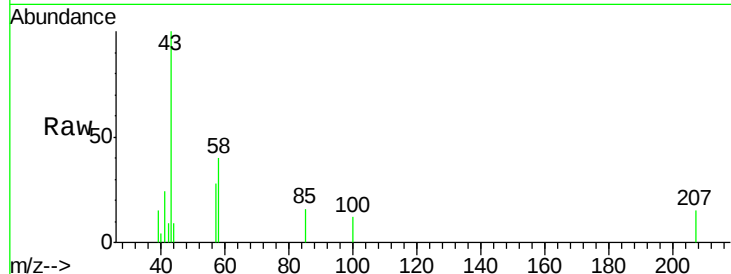
#51
4-Methyl-2-Pentanone
Concen: 2.279 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

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

Tot Ion	43	Resp	7919
Ion	Ratio	Lower	Upper
43	100		
58	39.1	30.8	46.2

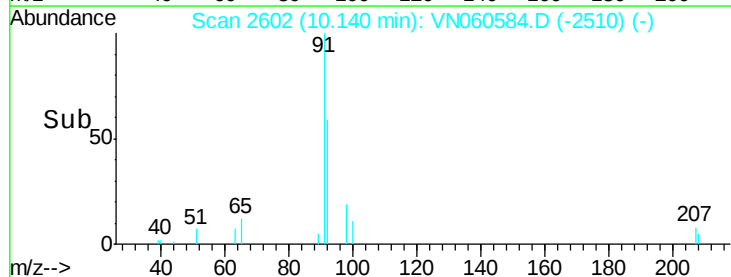
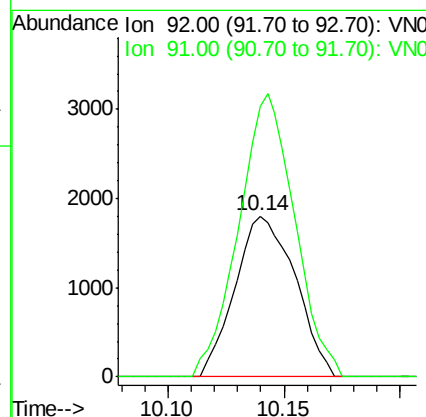
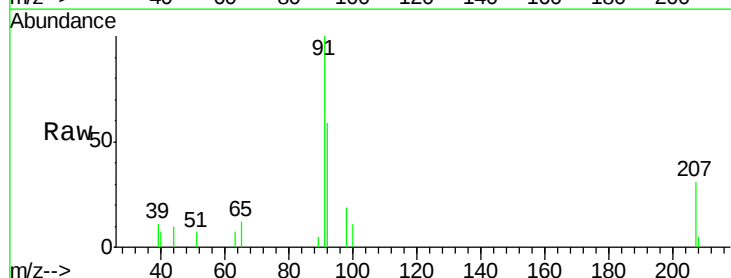
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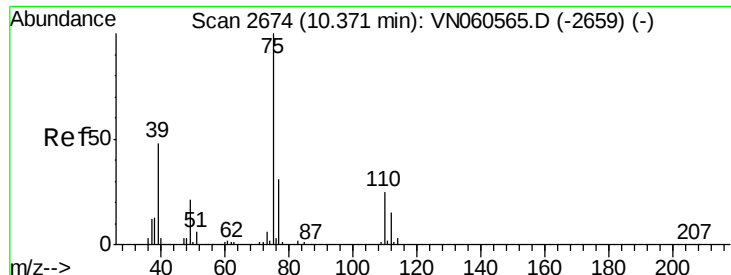
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#52
Toluene
Concen: 0.520 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. -0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

Tgt Ion	92	Resp	3249
Ion	Ratio	Lower	Upper
92	100		
91	163.9	137.6	206.4





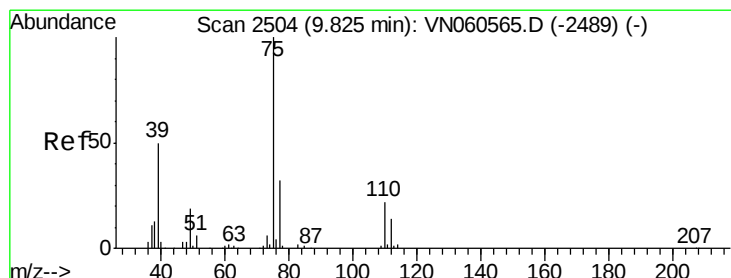
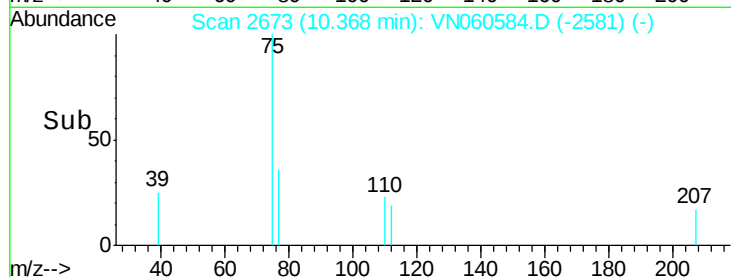
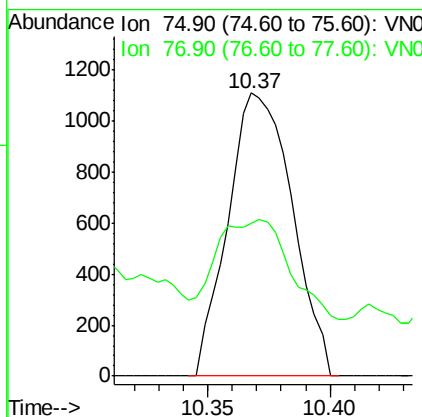
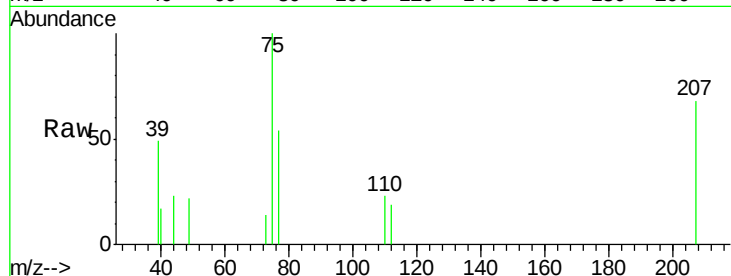
#53
t-1,3-Dichloropropene
Concen: 0.514 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

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

Tot Ion: 75 Resp: 2025
Ion Ratio Lower Upper
75 100
77 33.8 25.1 37.7

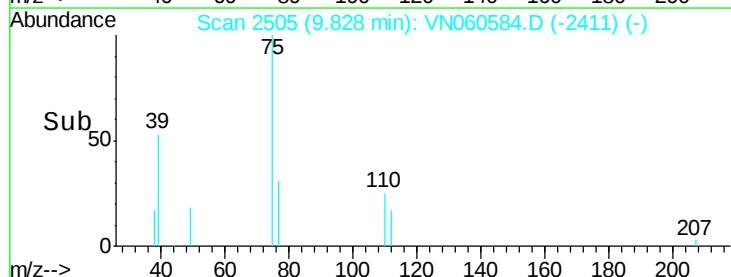
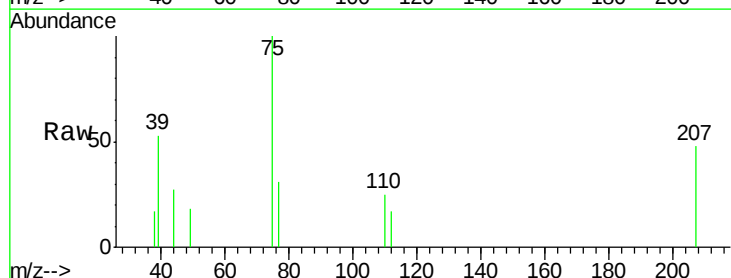
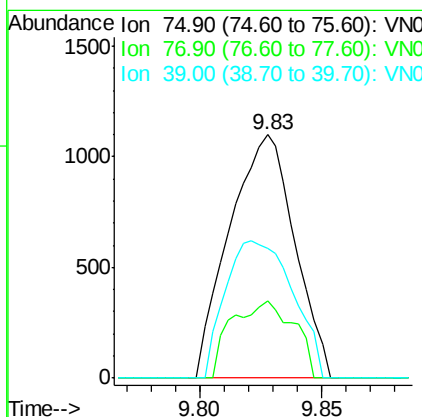
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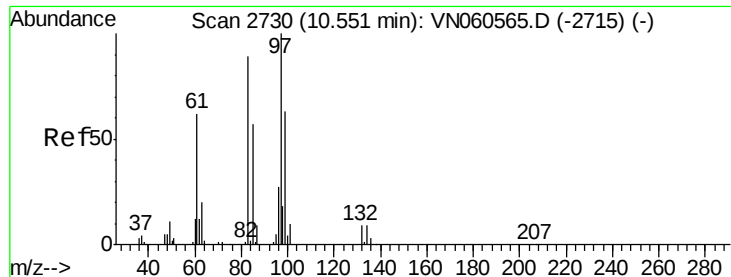
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#54
cis-1,3-Dichloropropene
Concen: 0.470 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

Tgt Ion: 75 Resp: 2033
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.0
39 53.1 40.2 60.4





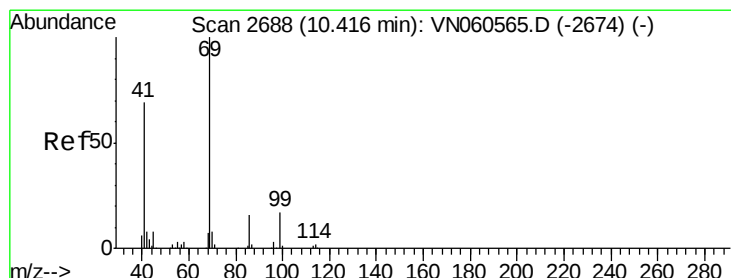
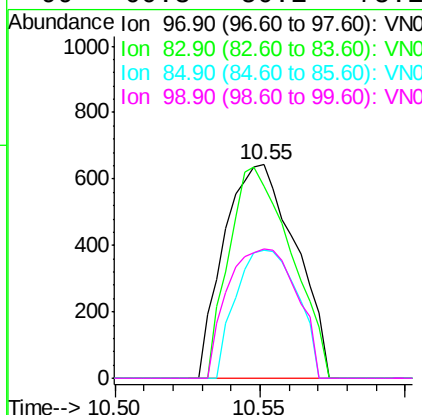
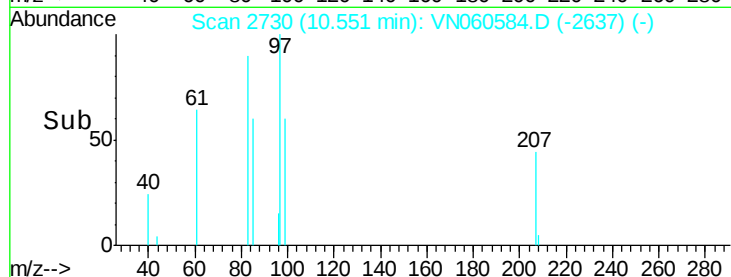
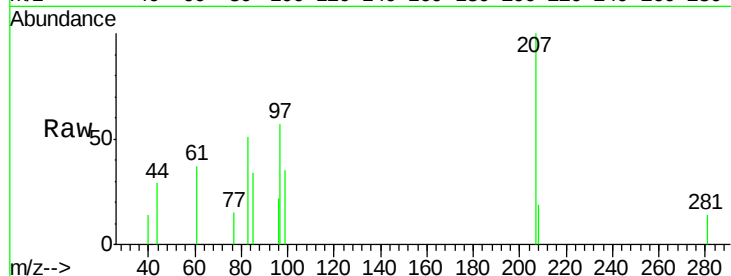
#55
 1,1,2-Trichloroethane
 Concen: 0.457 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060584.D
 Acq: 18 Mar 2020 12:16

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

Tot Ion:	97	Resp:	1099
Ion	Ratio	Lower	Upper
97	100		
83	89.9	71.3	106.9
85	60.2	45.2	67.8
99	60.3	50.1	75.1

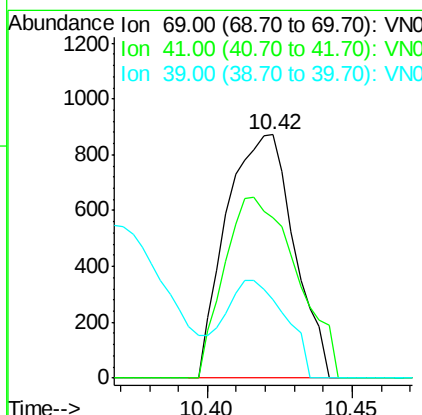
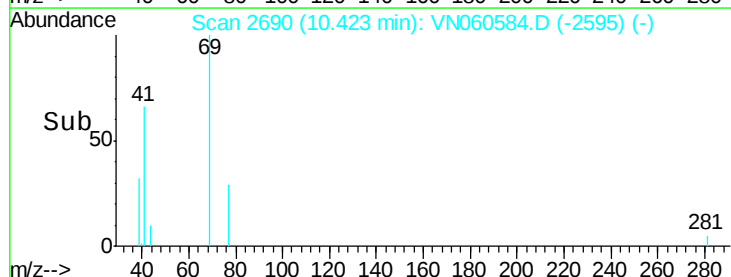
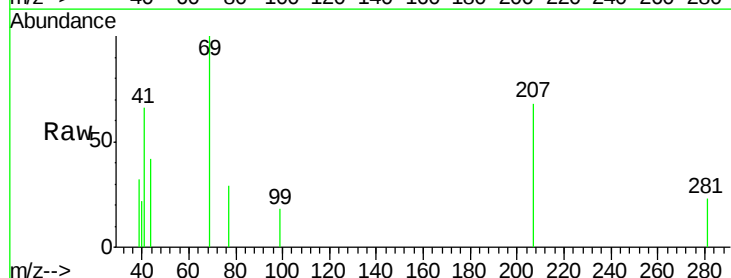
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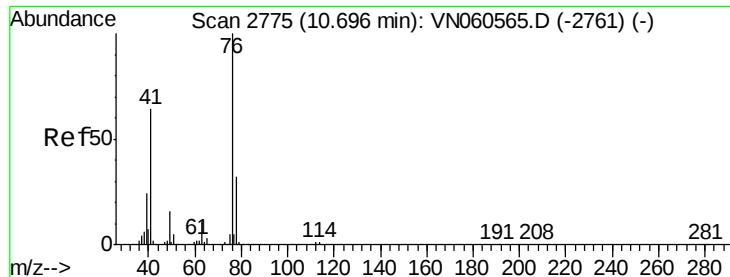
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#56
 Ethyl methacrylate
 Concen: 0.376 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.01 min
 Lab File: VN060584.D
 Acq: 18 Mar 2020 12:16

Tgt Ion:	69	Resp:	1410
Ion	Ratio	Lower	Upper
69	100		
41	80.0	55.4	83.2
39	35.7	29.4	44.0





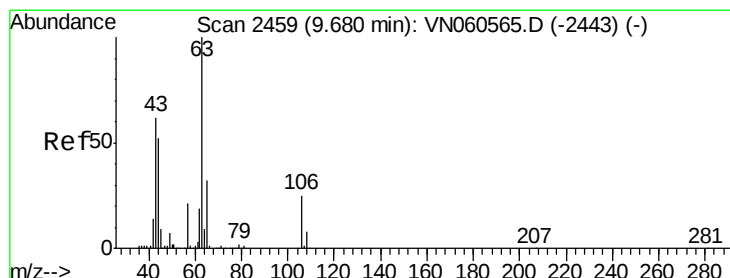
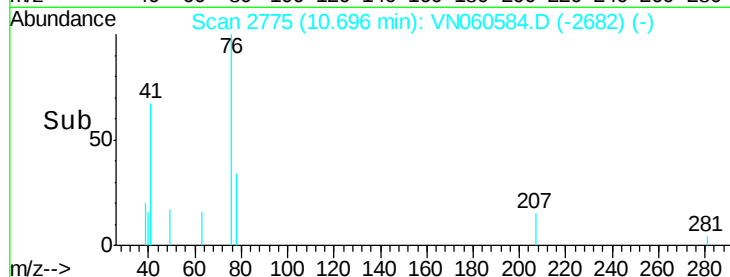
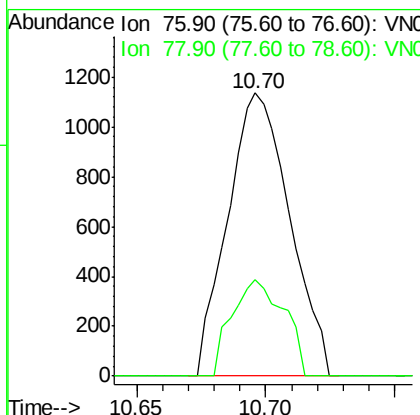
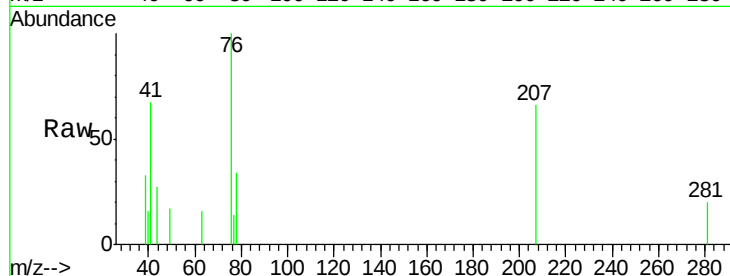
#57
 1,3-Dichloropropane
 Concen: 0.455 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060584.D
 Acq: 18 Mar 2020 12:16

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	28.8	25.8	38.6

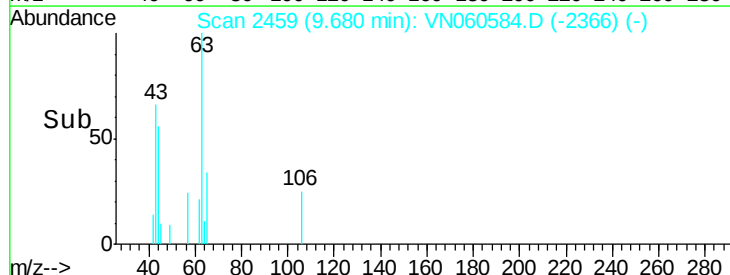
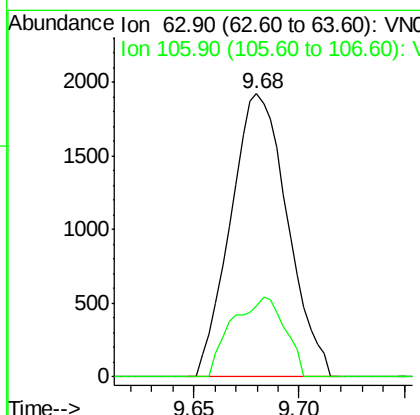
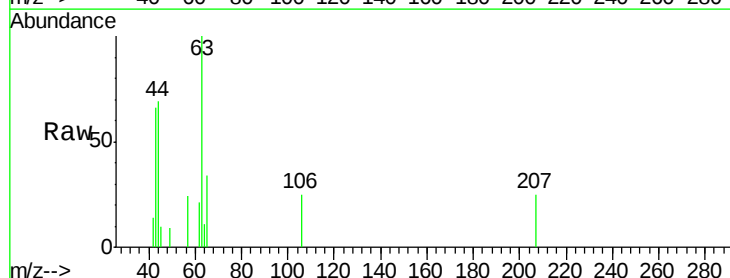
Manual Integrations
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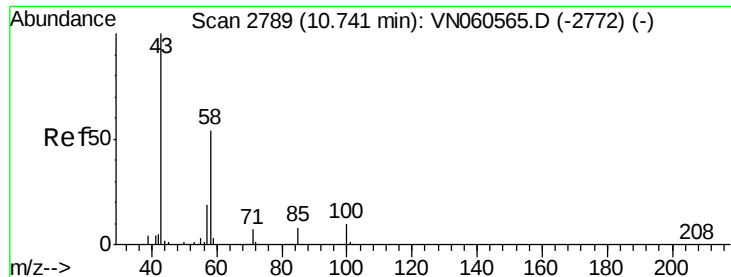
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#58
 2-Chloroethyl Vinyl ether
 Concen: 1.932 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060584.D
 Acq: 18 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.0	20.0	30.0





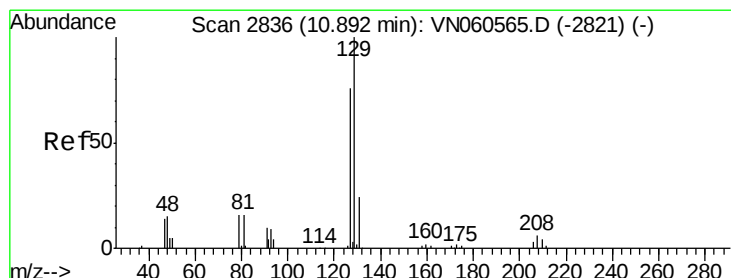
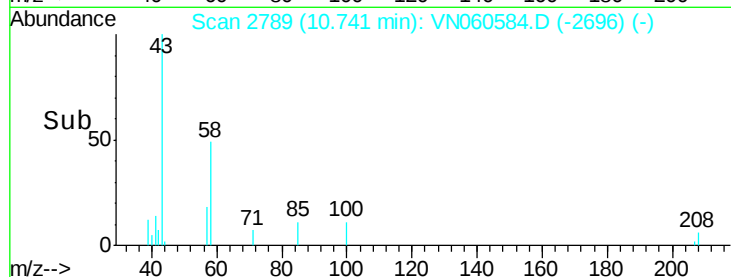
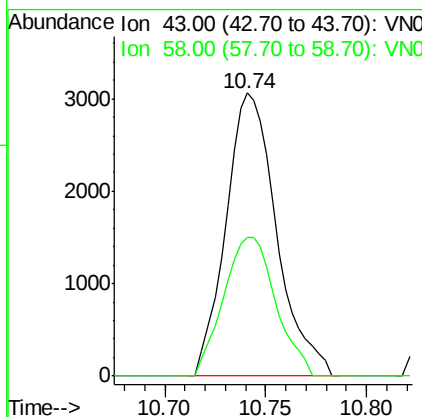
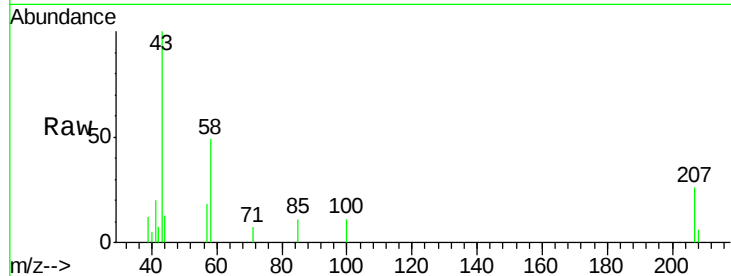
#59
2-Hexanone
Concen: 2.143 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

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

Tot Ion: 43 Resp: 5365
Ion Ratio Lower Upper
43 100
58 50.5 26.7 80.1

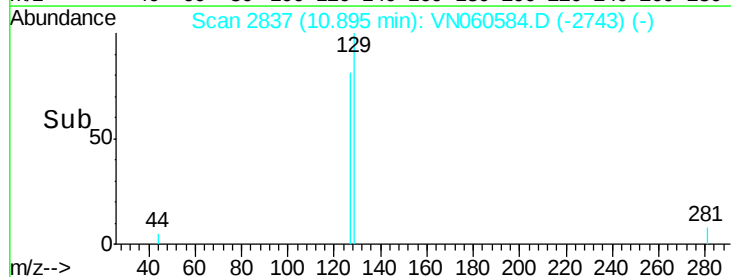
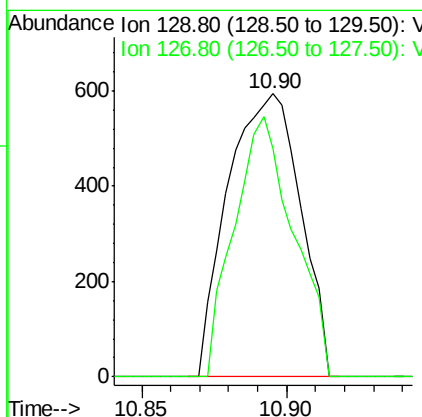
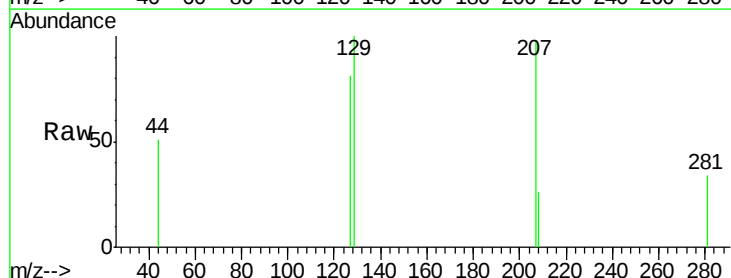
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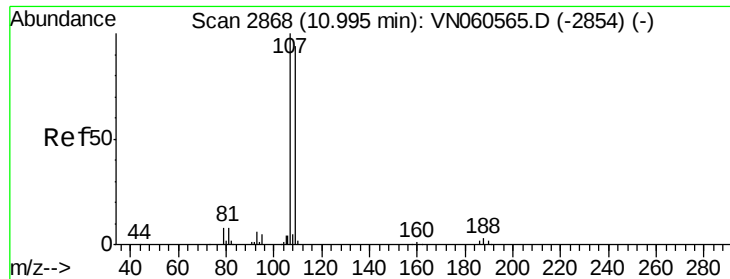
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#60
Dibromochloromethane
Concen: 0.415 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

Tgt Ion: 129 Resp: 1031
Ion Ratio Lower Upper
129 100
127 75.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 0.455 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion:107 Resp: 1100

Ion Ratio Lower Upper

107 100

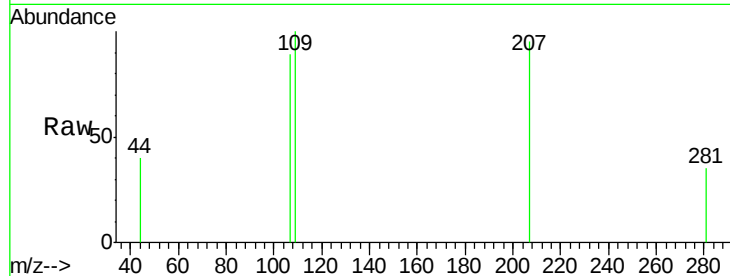
109 93.8 75.4 113.2

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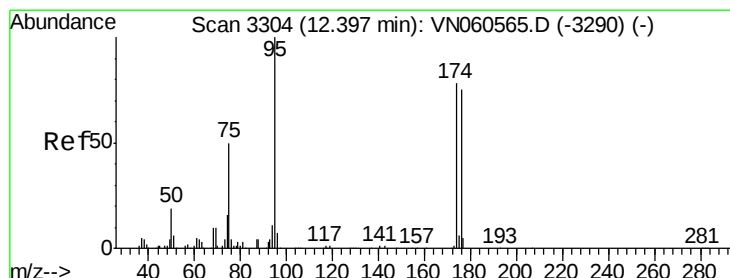
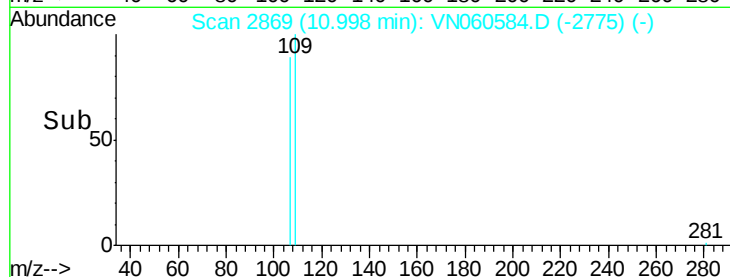


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

Time-->



#62

4-Bromofluorobenzene

Concen: 43.883 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

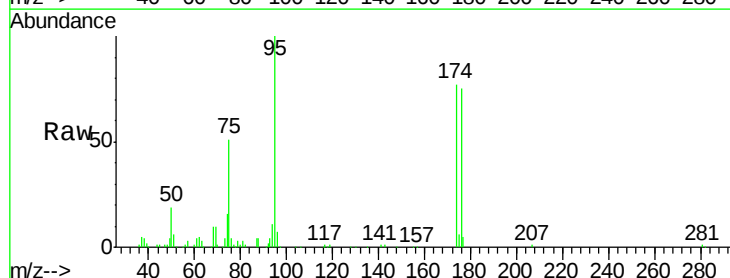
Tgt Ion: 95 Resp: 140576

Ion Ratio Lower Upper

95 100

174 78.5 0.0 157.6

176 75.9 0.0 150.6



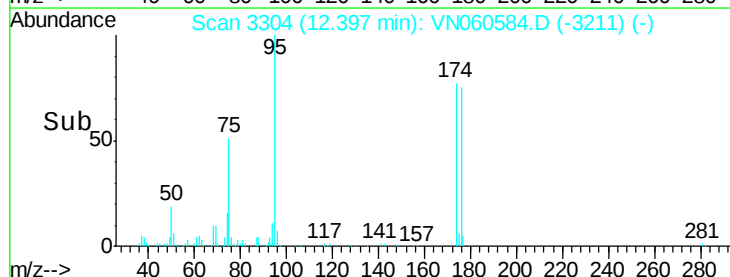
Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

Time-->





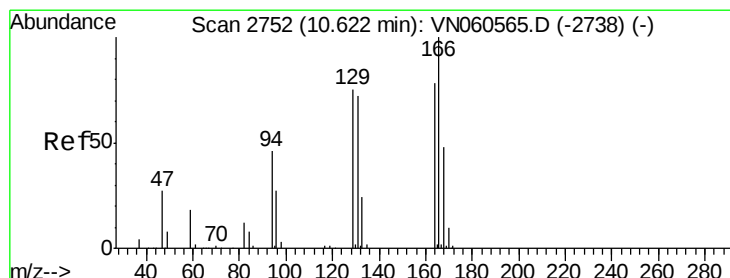
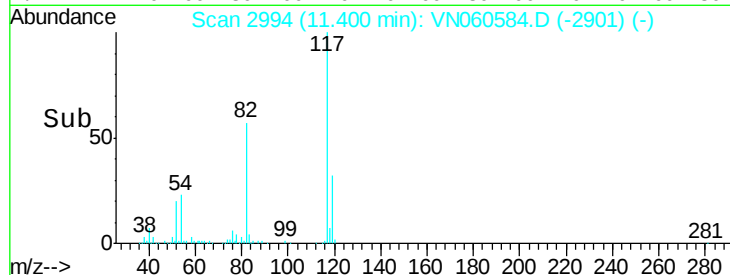
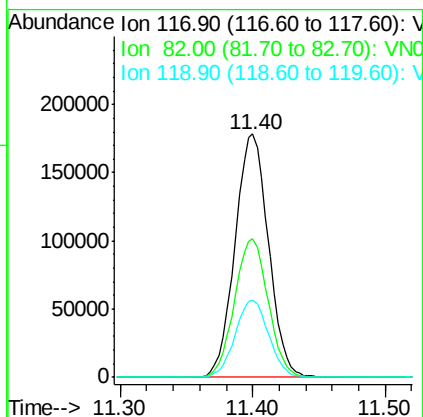
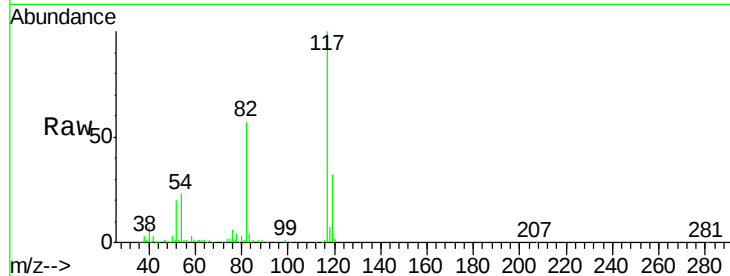
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	46.7	70.1
119	32.0	25.5	38.3

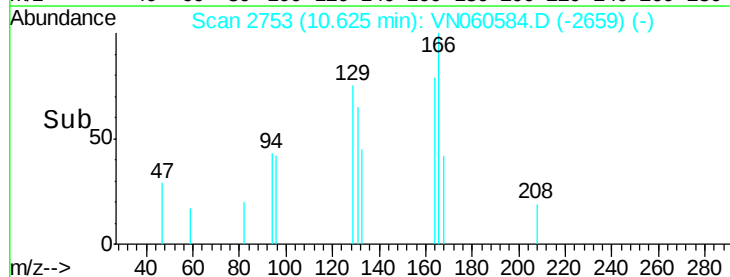
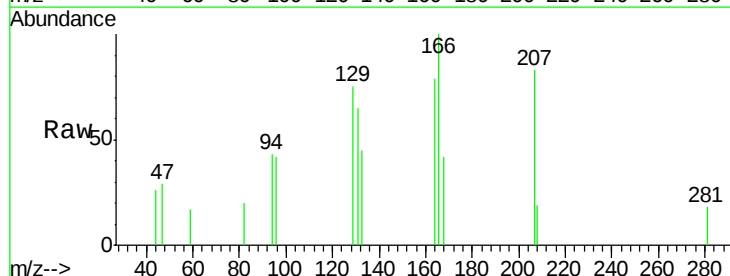
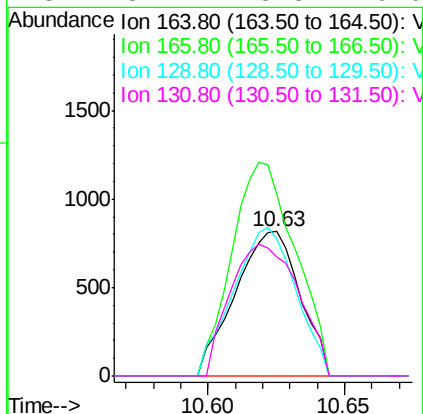
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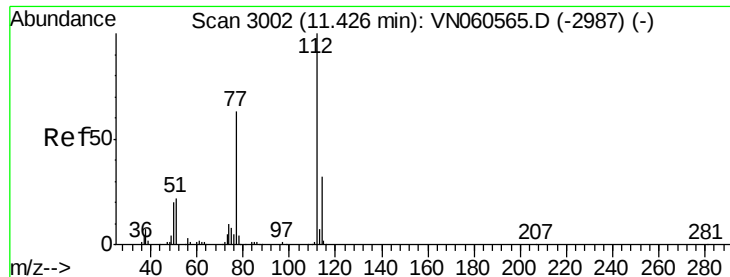
MMDadoda
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#64
Tetrachloroethene
Concen: 0.546 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	102.7	154.1
129	95.2	77.2	115.8
131	82.4	73.8	110.6





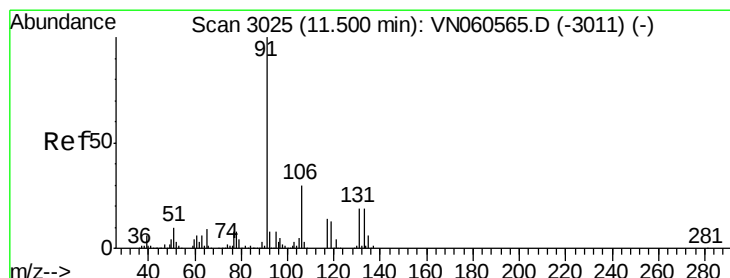
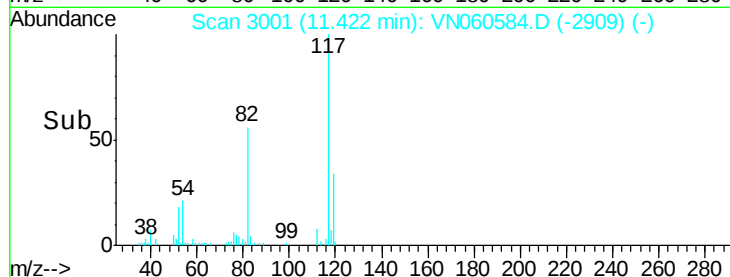
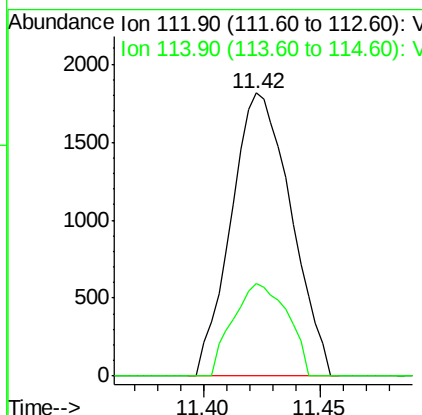
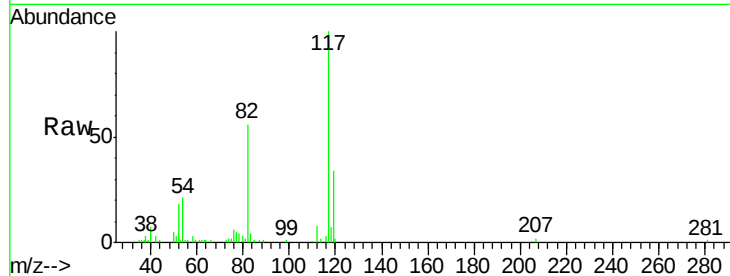
#65
Chlorobenzene
Concen: 0.525 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

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

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.8	38.6

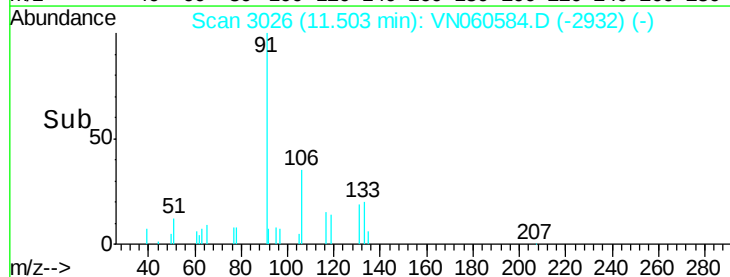
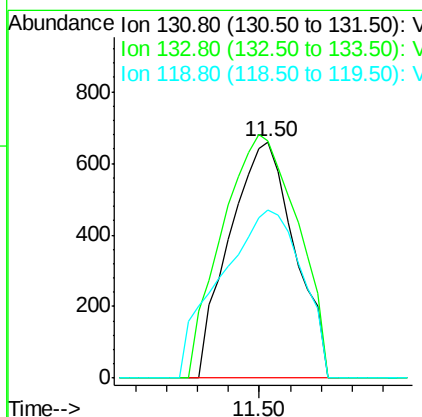
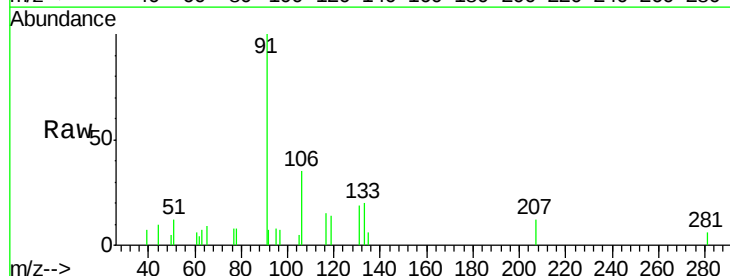
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#66
1,1,1,2-Tetrachloroethane
Concen: 0.431 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	119.4	48.9	146.8
119	0.0	33.9	101.7#





#67

Ethyl Benzene

Concen: 0.507 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 91 Resp: 5837

Ion Ratio Lower Upper

91 100

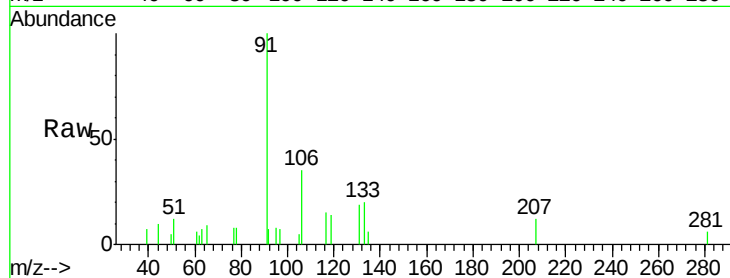
106 35.0 24.2 36.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3011) (-)

Ion 106.00 (105.70 to 106.70): VN060565.D (-3011) (-)

11.50

4000

3000

2000

1000

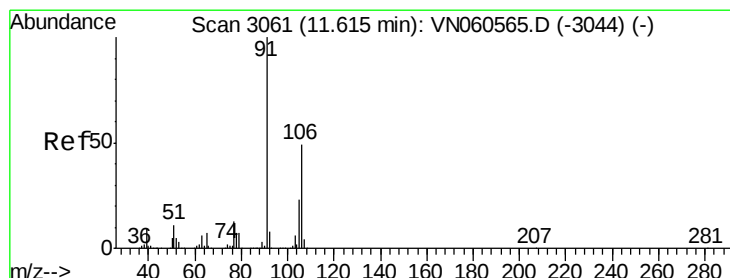
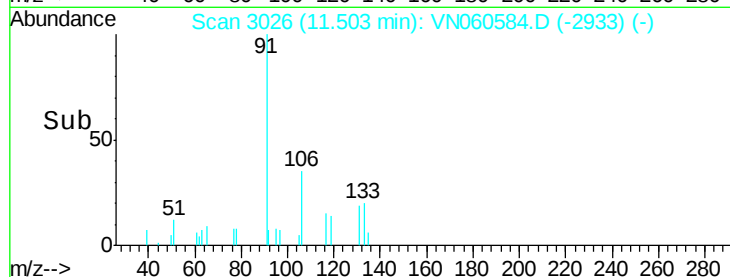
0

Time-->

11.45

11.50

11.55



#68

m/p-Xylenes

Concen: 0.992 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060584.D

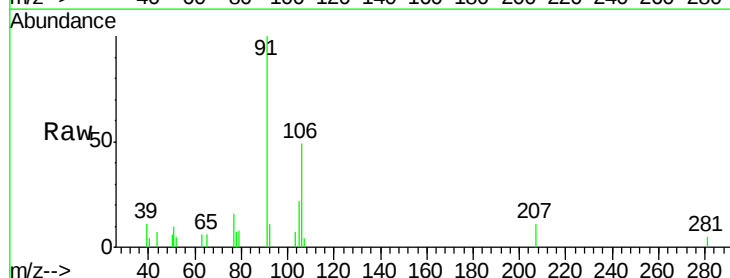
Acq: 18 Mar 2020 12:16

Tgt Ion: 106 Resp: 4244

Ion Ratio Lower Upper

106 100

91 213.1 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060565.D (-3044) (-)

Ion 91.00 (90.70 to 91.70): VN060565.D (-3044) (-)

11.62

5000

4000

3000

2000

1000

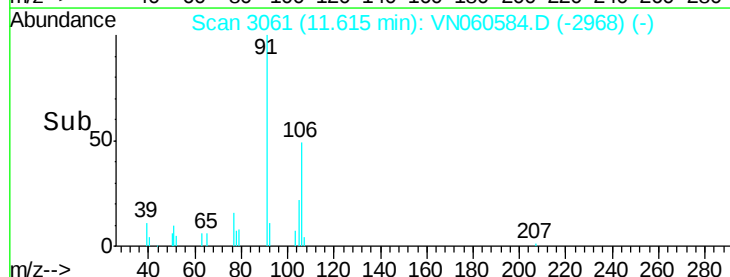
0

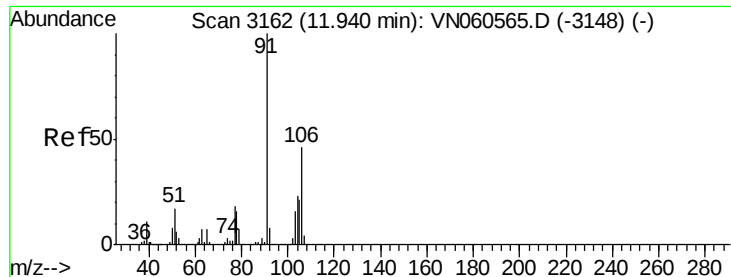
Time-->

11.55

11.60

11.65





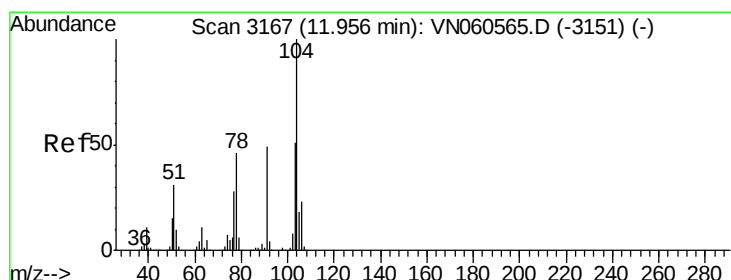
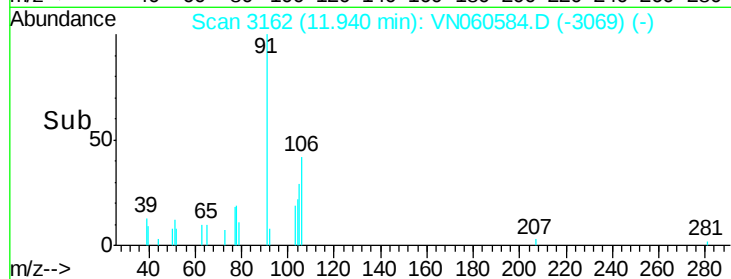
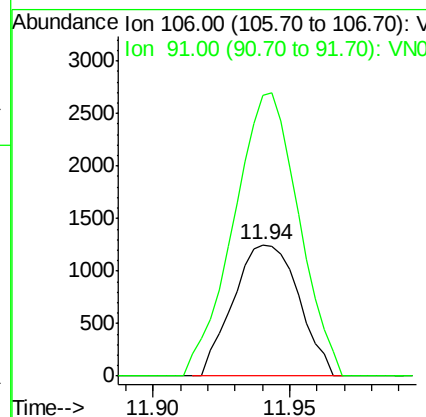
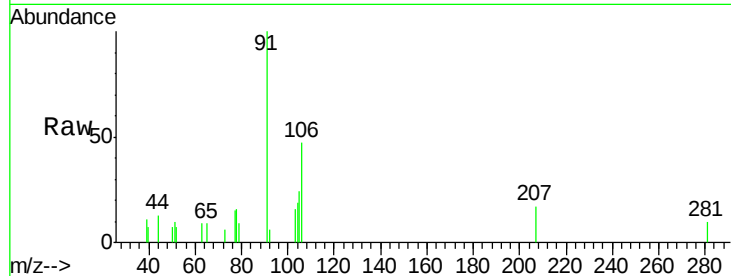
#69
o-Xylene
Concen: 0.510 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

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

Tot Ion:106 Resp: 2082
Ion Ratio Lower Upper
106 100
91 214.0 109.5 328.4

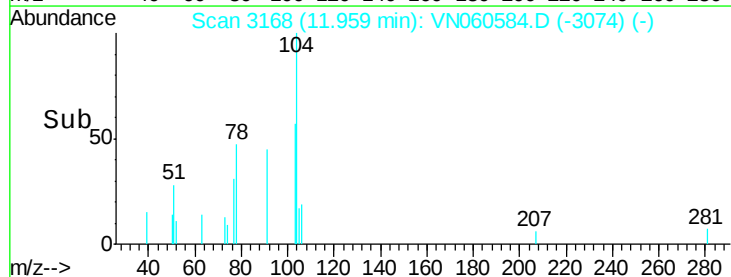
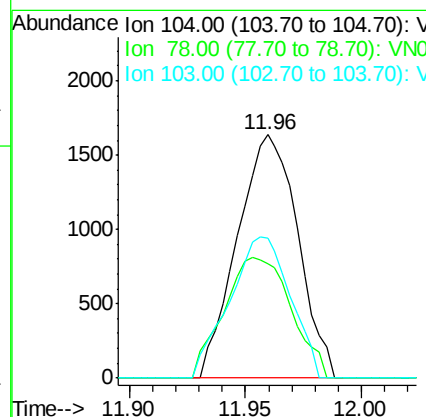
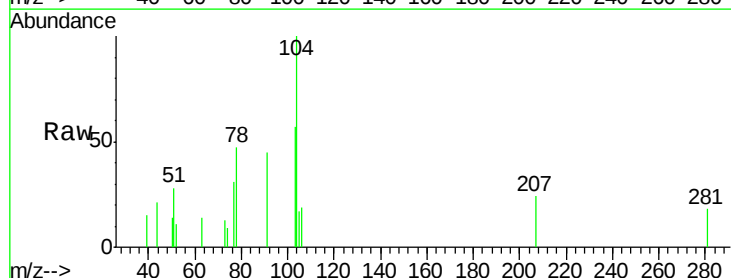
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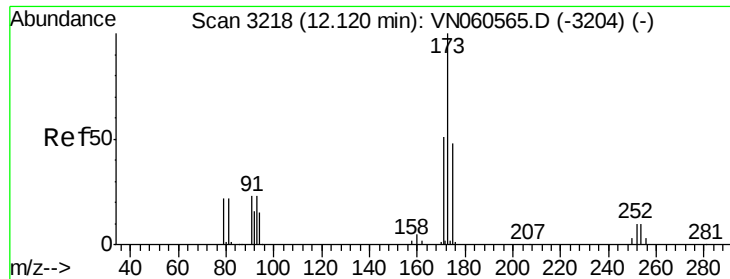
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#70
Styrene
Concen: 0.443 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

Tgt Ion:104 Resp: 2961
Ion Ratio Lower Upper
104 100
78 55.1 41.2 61.8
103 58.4 44.0 66.0





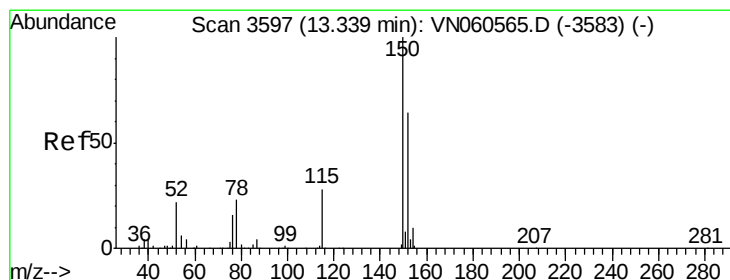
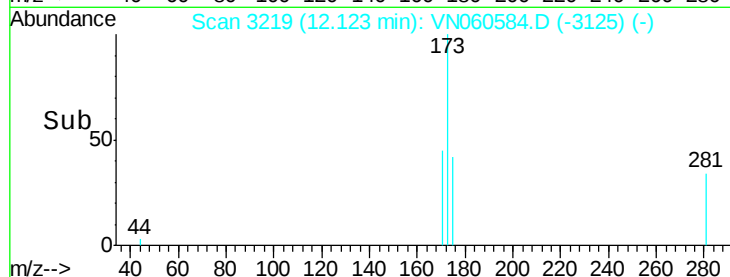
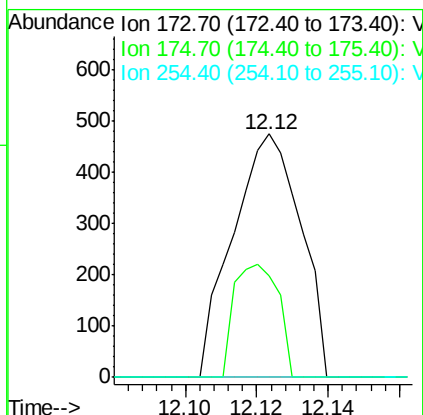
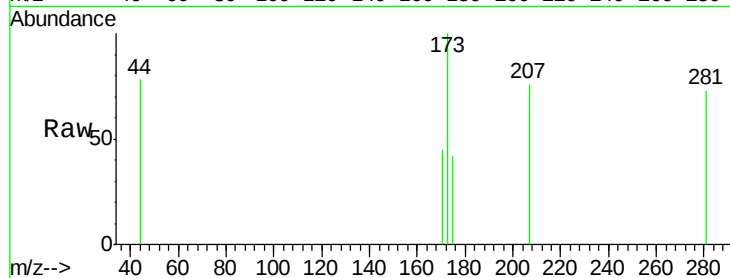
#71
Bromoform
Concen: 0.373 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

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

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

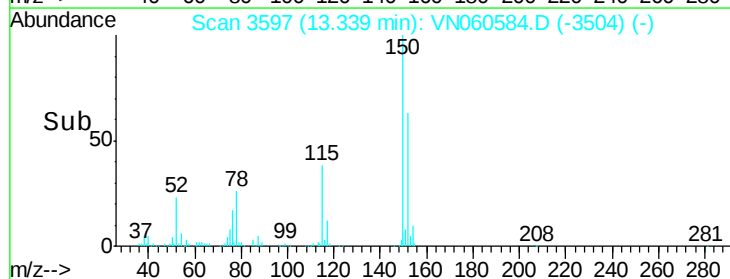
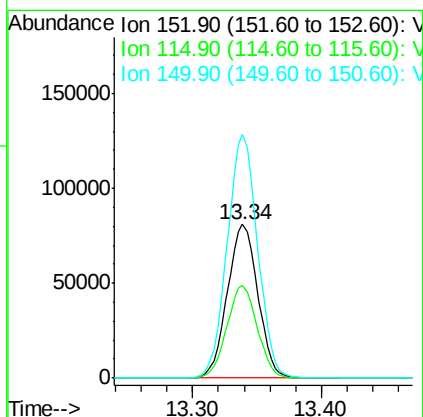
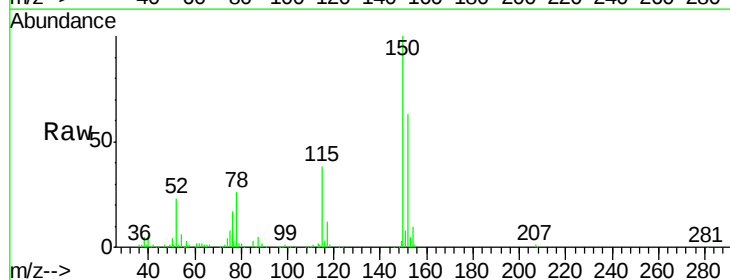
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.2	90.6
150	157.8	0.0	350.2





#73

Isopropylbenzene

Concen: 0.521 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 105 Resp: 5188

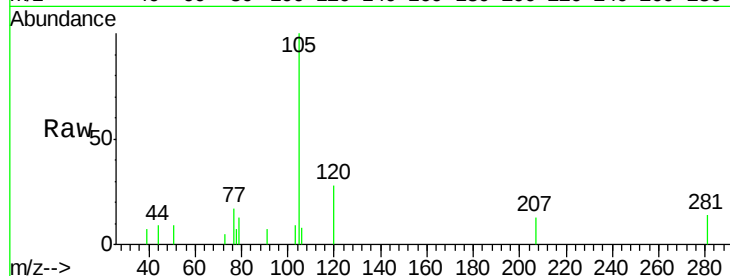
Ion Ratio Lower Upper

105 100

120 26.6 13.1 39.1

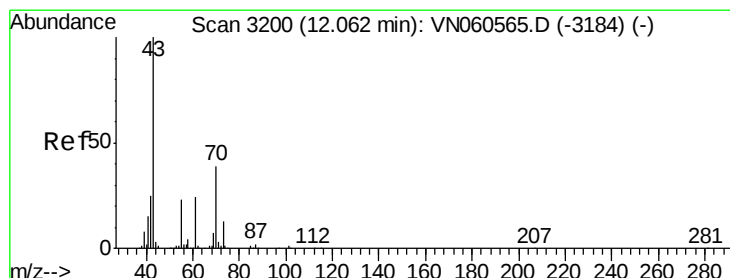
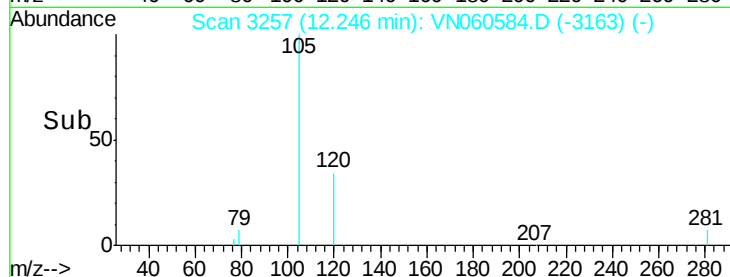
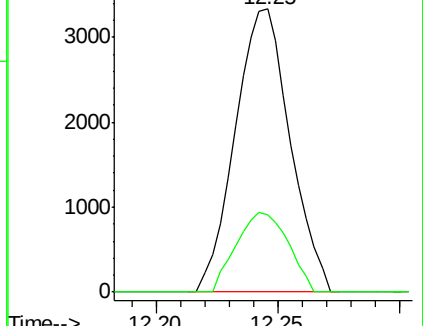
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.503 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

Tgt Ion: 43 Resp: 2312

Ion Ratio Lower Upper

43 100

70 35.0 31.1 46.7

55 13.3 18.6 27.8#

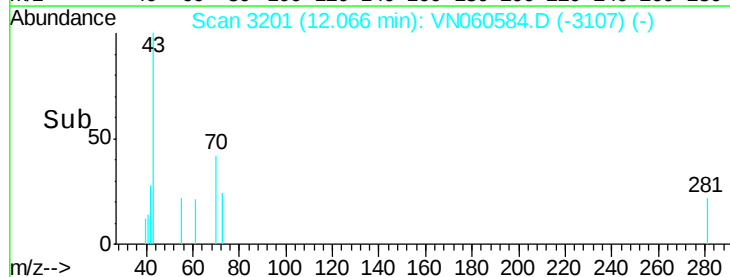
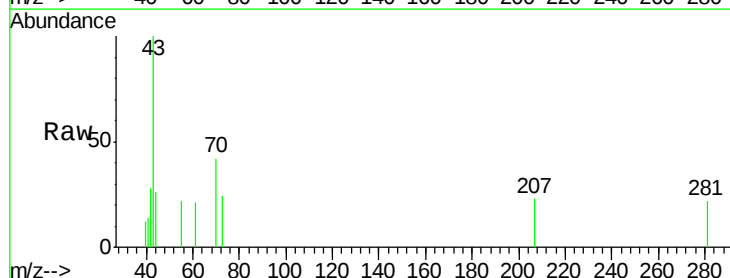
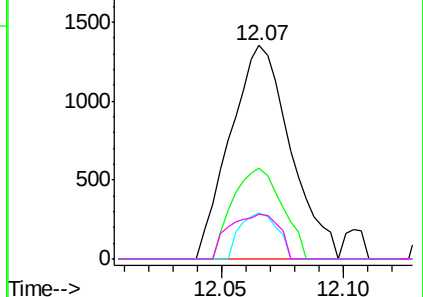
61 17.3 18.9 28.3#

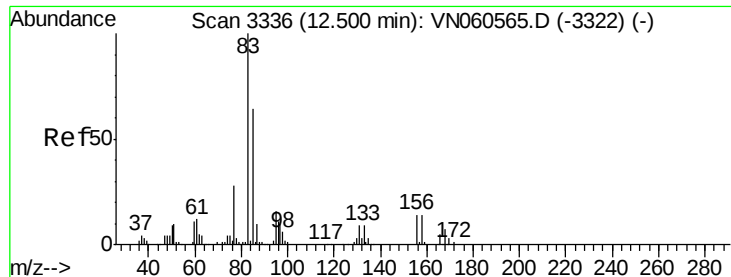
Abundance Ion 43.00 (42.70 to 43.70): V

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: 0.501 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

Instrument :

MSVOA_N

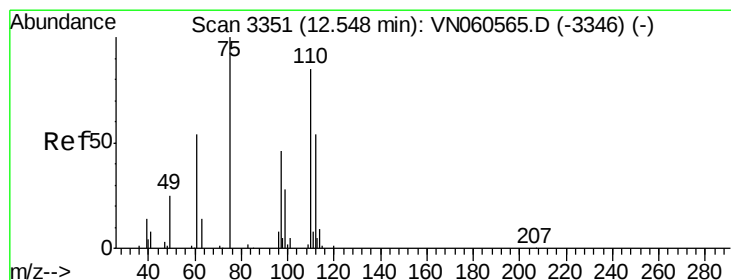
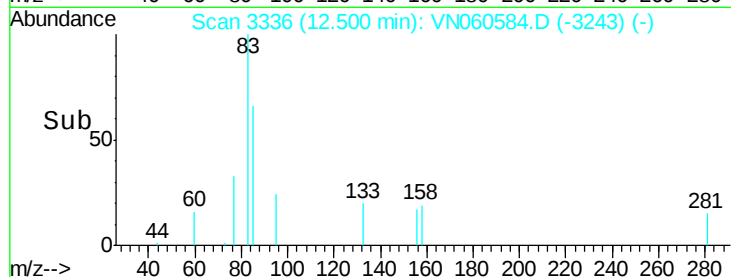
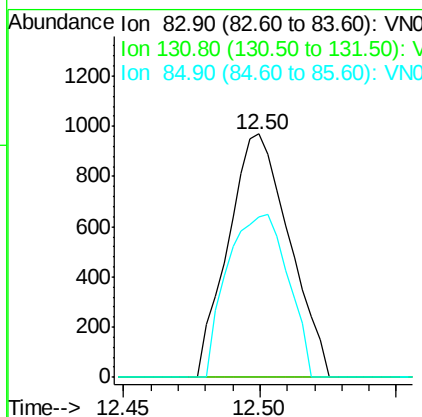
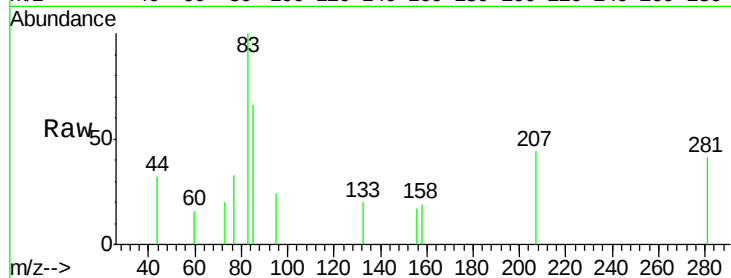
ClientSampleId :

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

Tot Ion:	83	Resp:	1507
Ion Ratio	Lower	Upper	
83	100		
131	0.0	4.9	14.7#
85	66.4	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 0.547 ug/l m

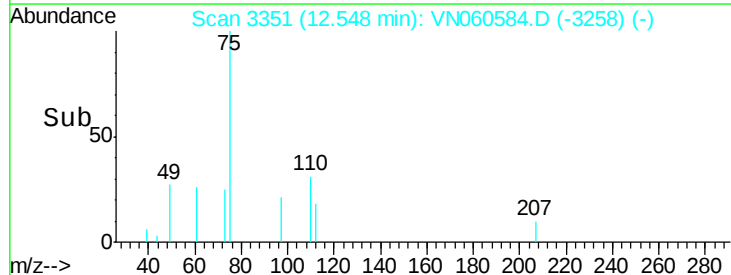
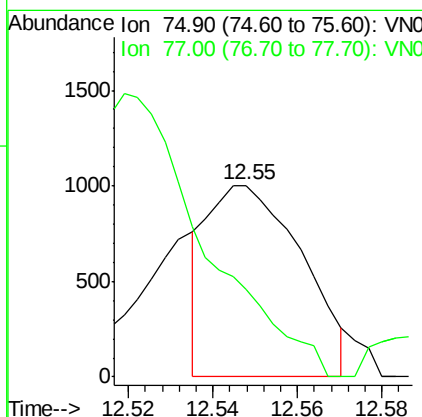
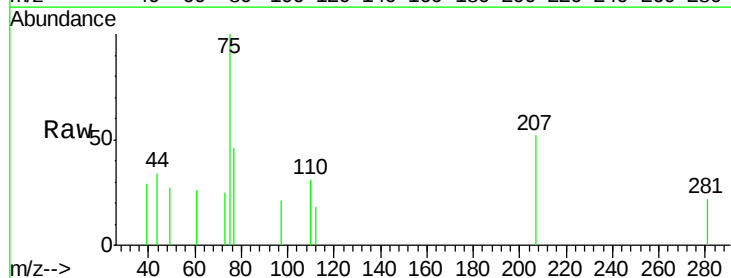
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

Tgt Ion:	75	Resp:	1566
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 0.546 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

Instrument :

MSVOA_N

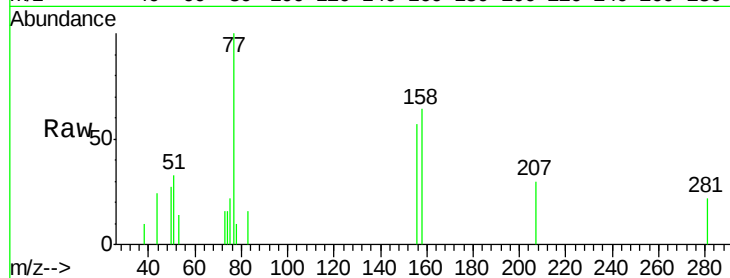
ClientSampleId :

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

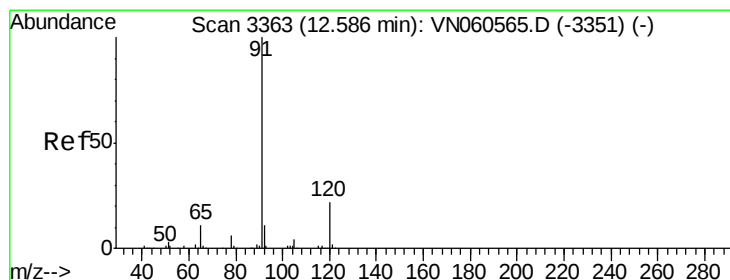
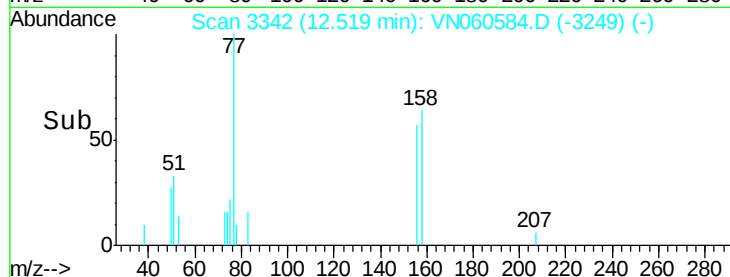
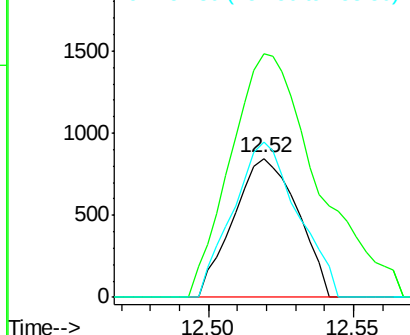
Tot Ion:	156	Resp:	1308
Ion Ratio	Lower	Upper	
156	100		
77	236.8	112.3	337.0
158	112.0	48.6	145.8

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



#78

n-propylbenzene

Concen: 0.558 ug/l

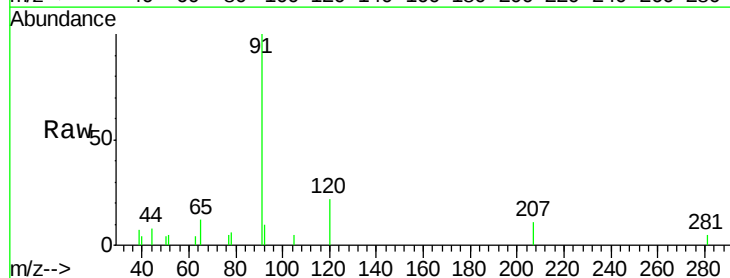
RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

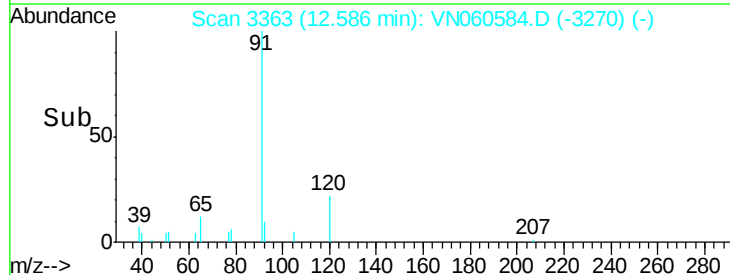
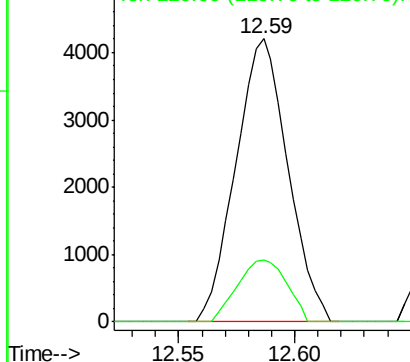
Lab File: VN060584.D

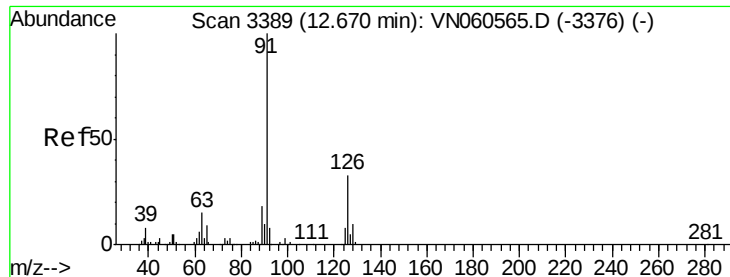
Acq: 18 Mar 2020 12:16

Tgt Ion:	91	Resp:	6553
Ion Ratio	Lower	Upper	
91	100		
120	20.7	11.3	33.8



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





#79

2-Chlorotoluene

Concen: 0.540 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 91 Resp: 3794

Ion Ratio Lower Upper

91 100

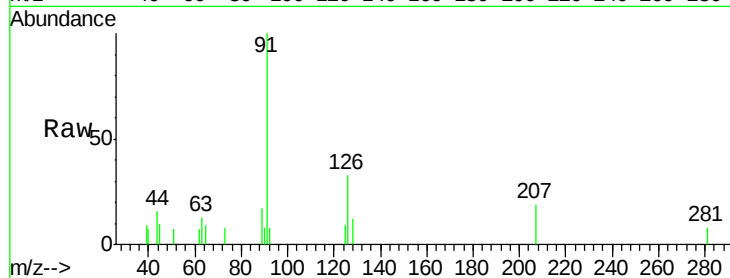
126 32.2 16.4 49.1

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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) (-)

12.67

2500

2000

1500

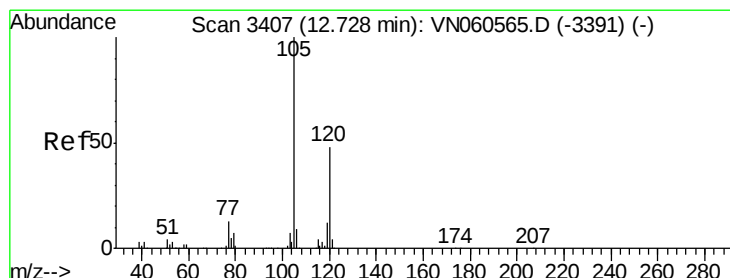
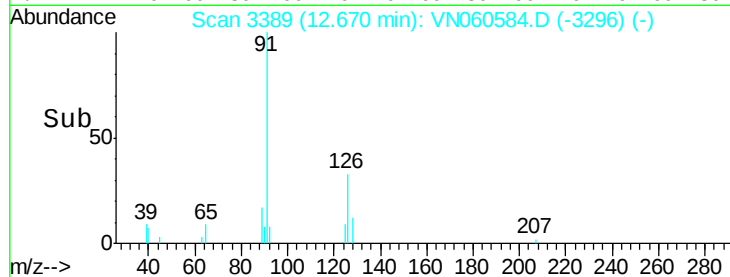
1000

500

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.525 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060584.D

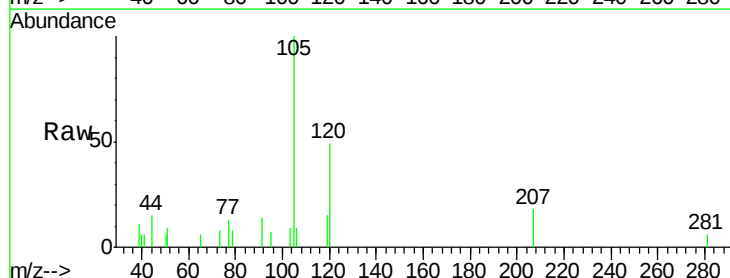
Acq: 18 Mar 2020 12:16

Tgt Ion: 105 Resp: 4430

Ion Ratio Lower Upper

105 100

120 46.7 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) (-)

12.73

3000

2500

2000

1500

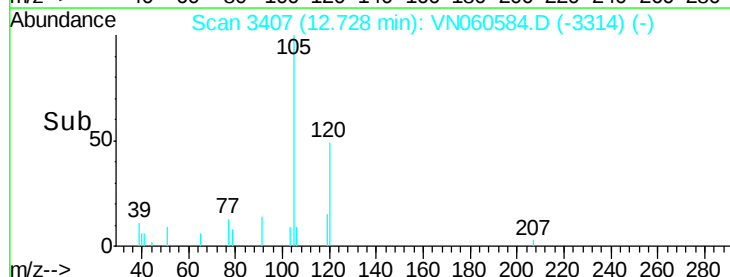
1000

500

0

12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 0.401 ug/l m

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

Instrument :

MSVOA_N

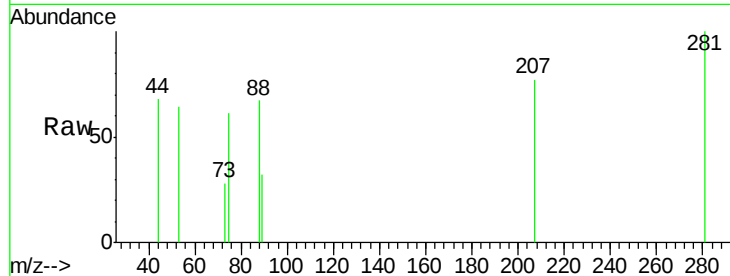
ClientSampleId :

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

Tot Ion:	75	Resp:	447
Ion Ratio	Lower	Upper	
75	100		
53	0.0	73.0	109.4#
89	0.0	34.8	52.2#

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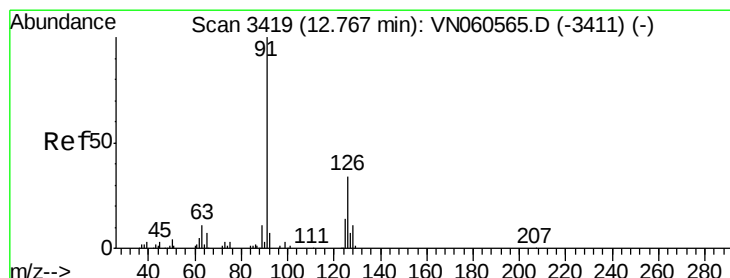
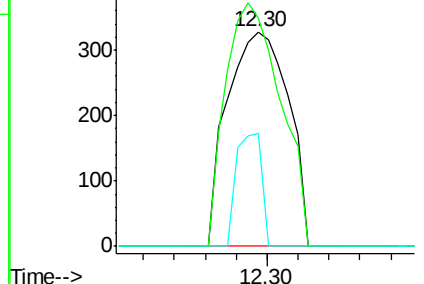
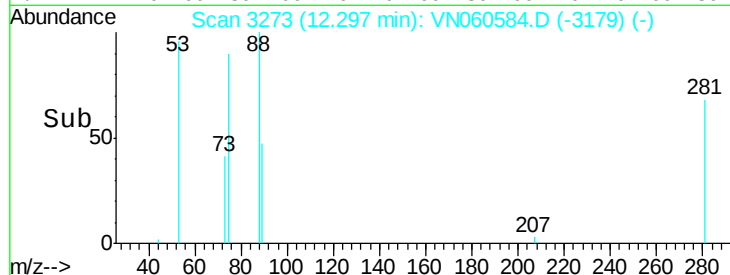


Abundance Ion 74.90 (74.60 to 75.60): VN060584.D (-3273) (-)

Ion 53.00 (52.70 to 53.70): VN060584.D (-3273) (-)

Ion 88.90 (88.60 to 89.60): VN060584.D (-3273) (-)

Time-->



#82

4-Chlorotoluene

Concen: 0.580 ug/l

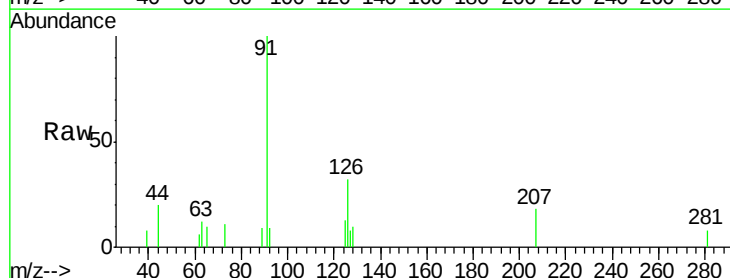
RT: 12.77 min Scan# 3421

Delta R.T. 0.01 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

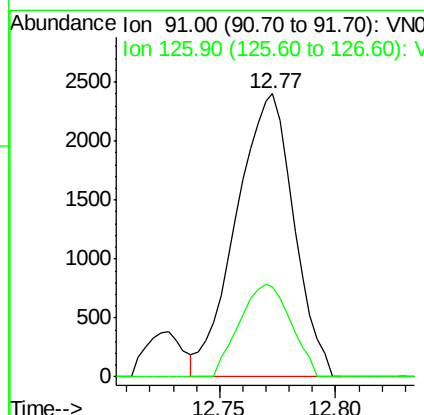
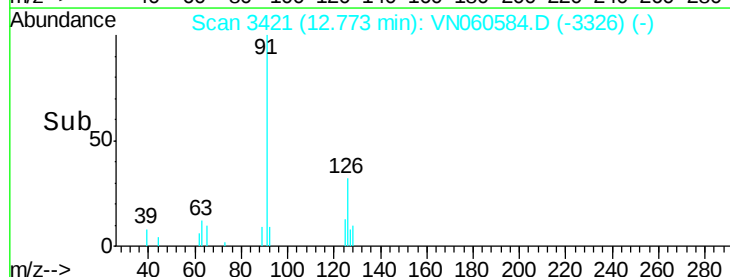
Tgt Ion:	91	Resp:	4150
Ion Ratio	Lower	Upper	
91	100		
126	29.2	16.2	48.5

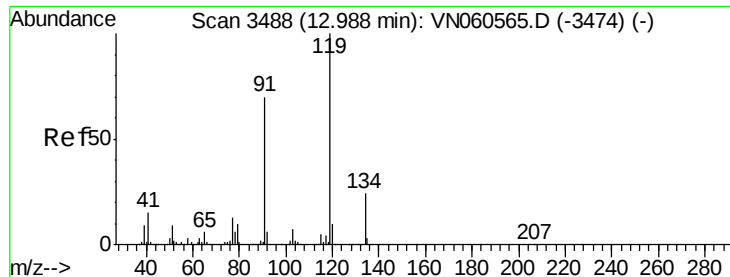


Abundance Ion 91.00 (90.70 to 91.70): VN060584.D (-3419) (-)

Ion 125.90 (125.60 to 126.60): VN060584.D (-3419) (-)

Time-->





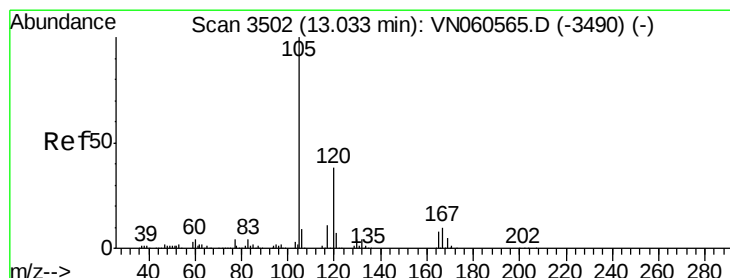
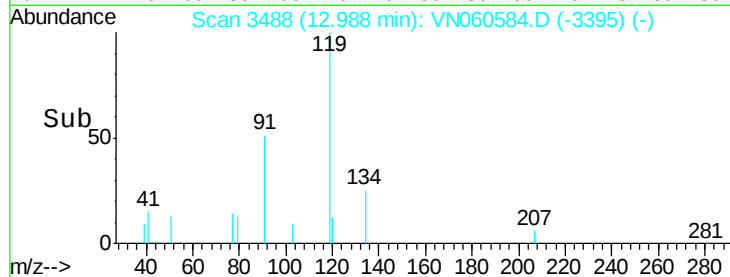
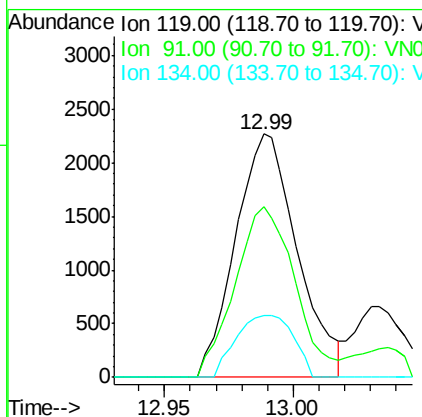
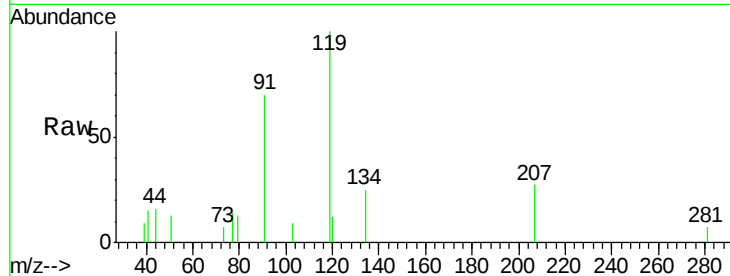
#83
 tert-Butylbenzene
 Concen: 0.541 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060584.D
 Acq: 18 Mar 2020 12:16

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.0	101.8
134	23.6	12.7	38.0

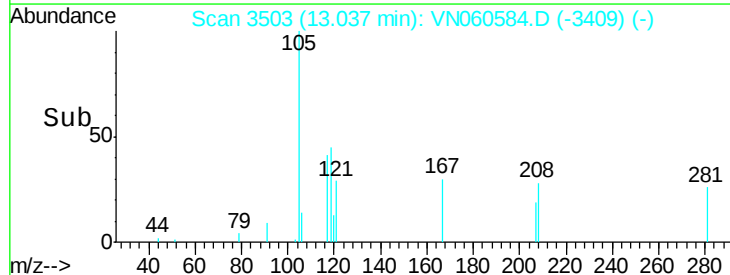
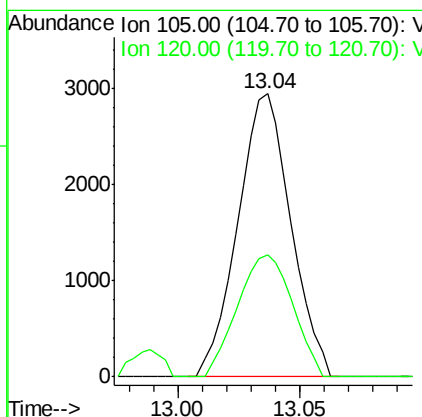
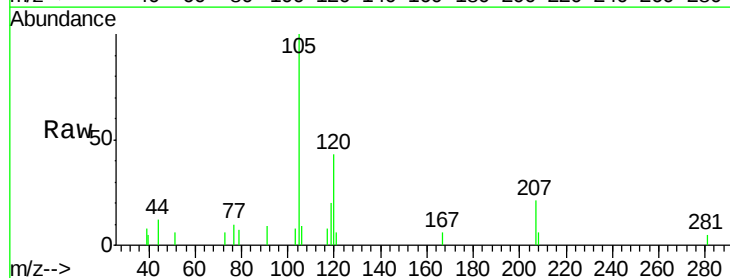
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#84
 1,2,4-Trimethylbenzene
 Concen: 0.531 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060584.D
 Acq: 18 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.1	66.5





#85

sec-Butylbenzene

Concen: 0.535 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion:105 Resp: 5033

Ion Ratio Lower Upper

105 100

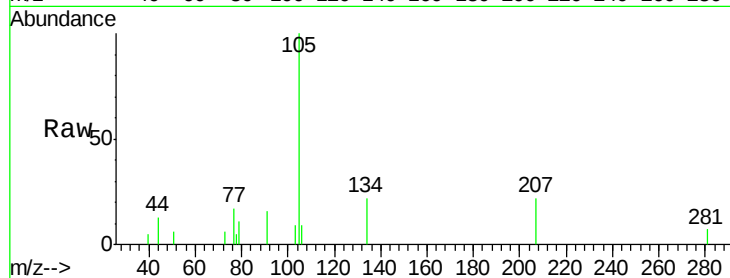
134 19.3 9.6 28.8

Manual Integrations

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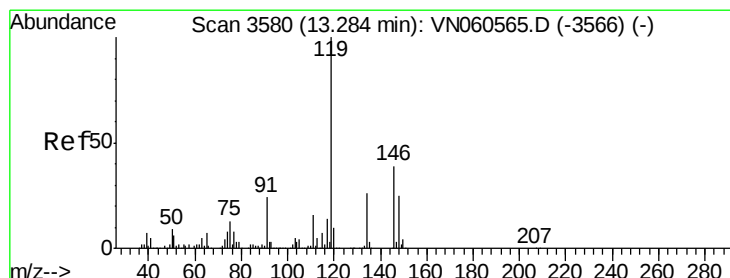
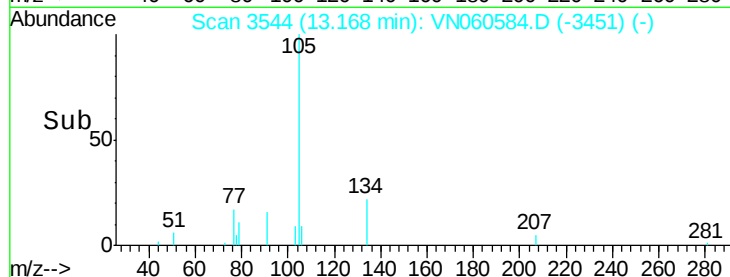
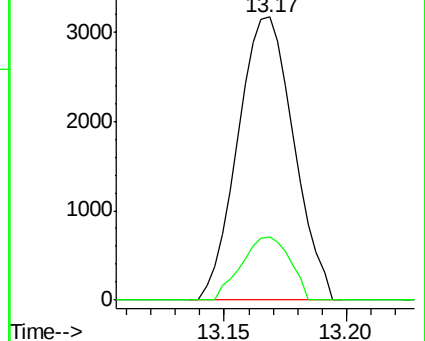
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.544 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

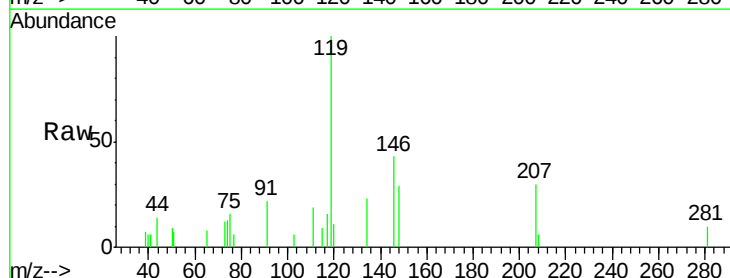
Tgt Ion:119 Resp: 4600

Ion Ratio Lower Upper

119 100

134 22.0 13.0 39.0

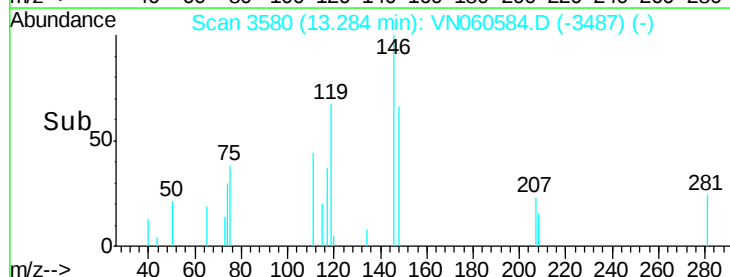
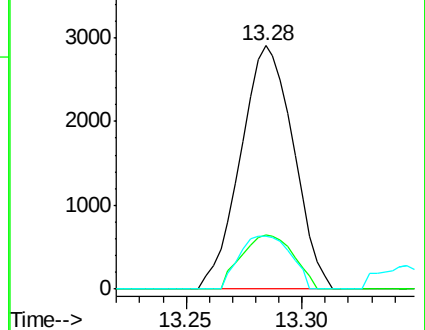
91 21.2 12.0 36.0



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: 0.541 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

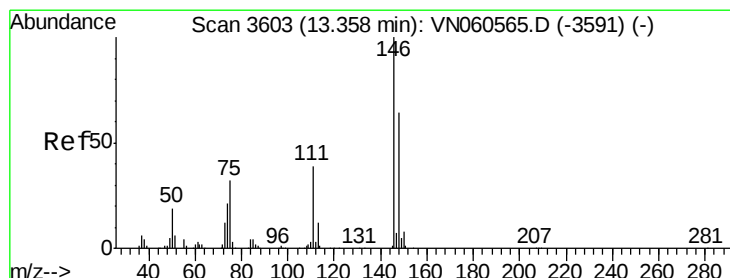
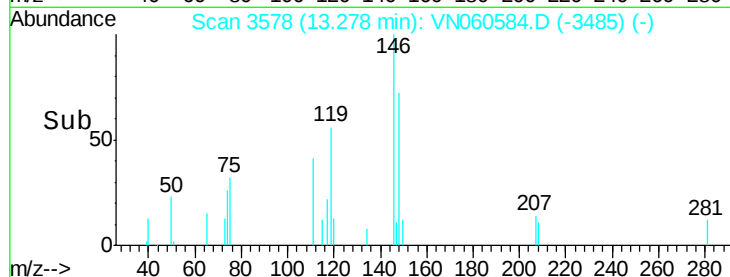
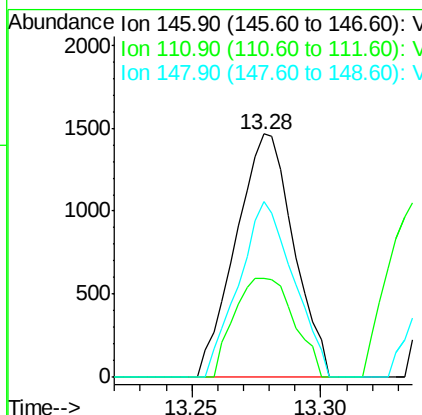
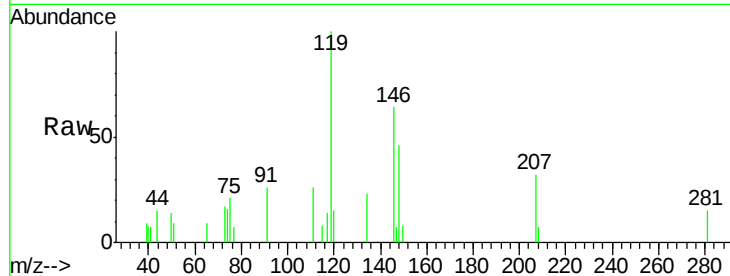
Instrument :
MSVOA_N

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.3	60.8
148	68.3	32.5	97.4

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#88

1,4-Dichlorobenzene

Concen: 0.623 ug/l m

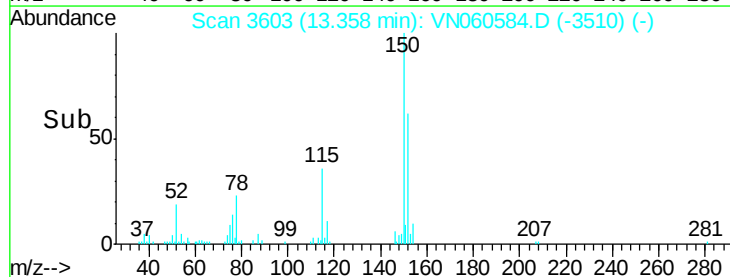
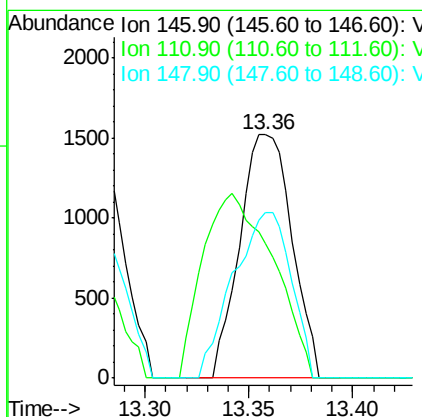
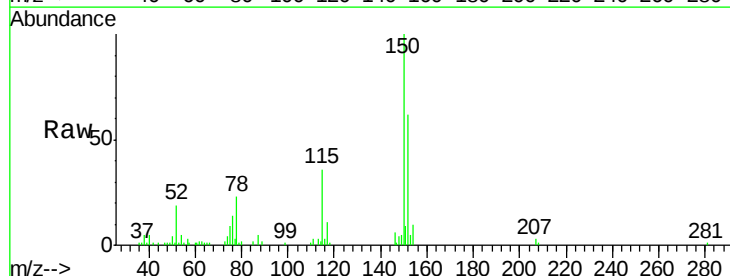
RT: 13.36 min Scan# 3603

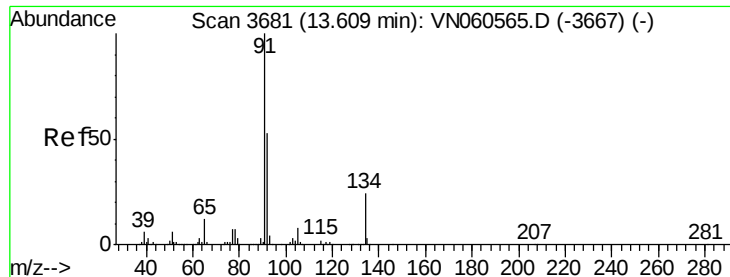
Delta R.T. -0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	19.6	58.7
148	59.1	32.1	96.3





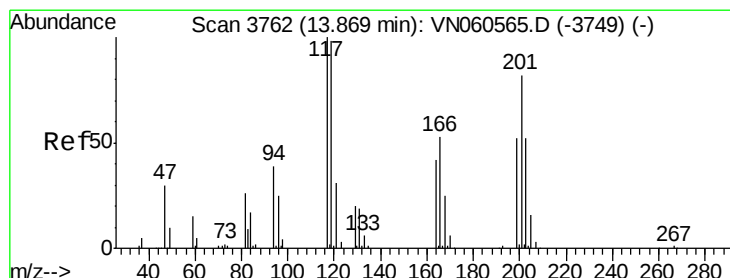
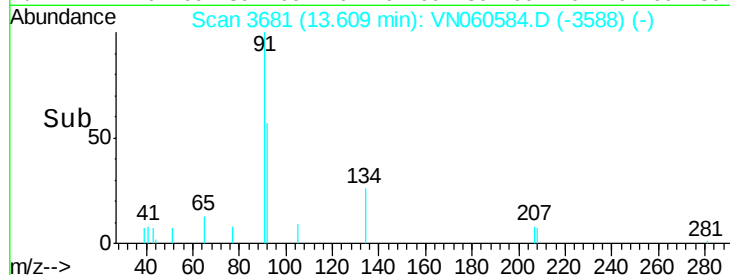
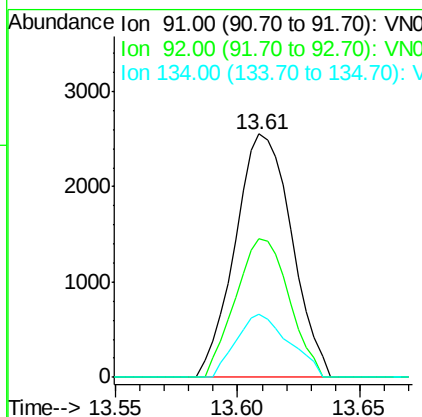
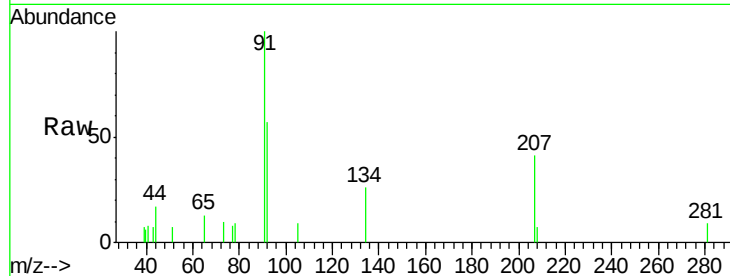
#89
n-Butylbenzene
Concen: 0.538 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.2	78.5
134	24.2	12.3	36.9

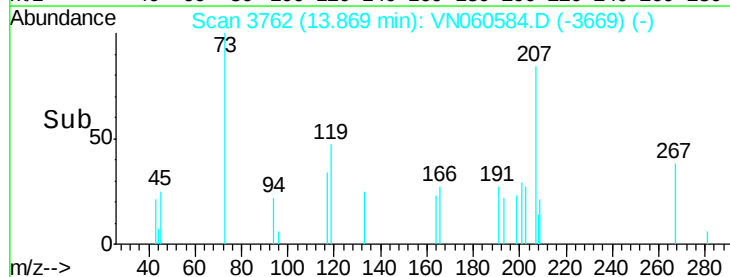
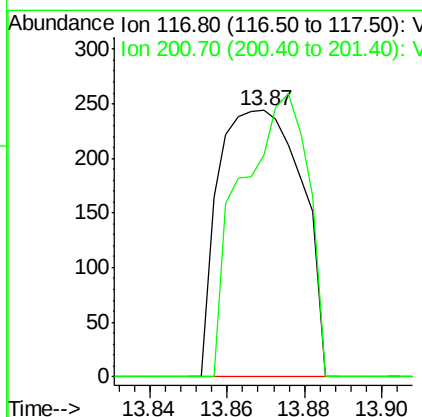
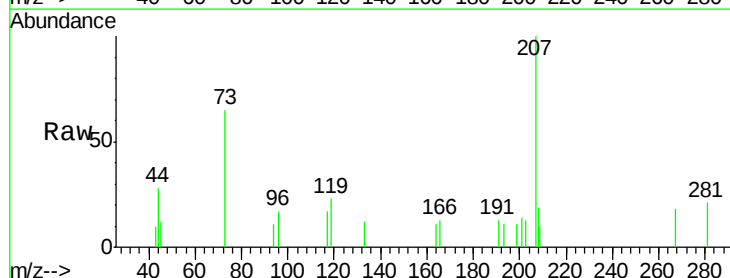
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#90
Hexachloroethane
Concen: 0.297 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	40.8	122.5





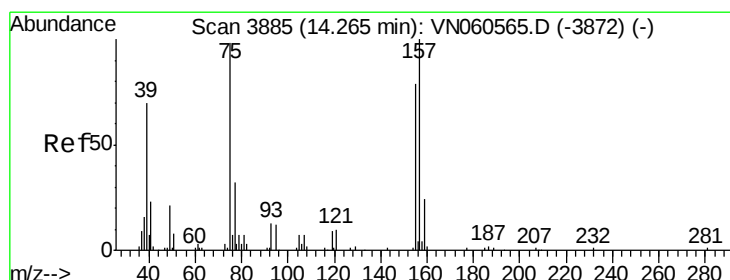
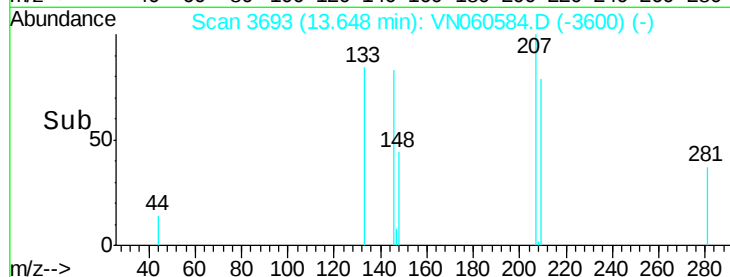
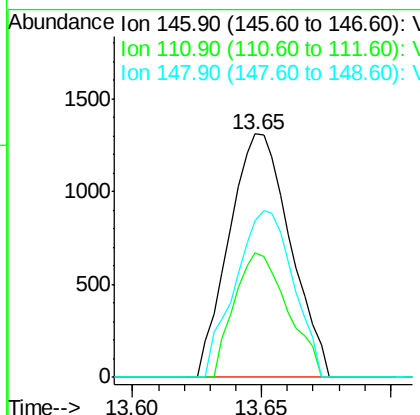
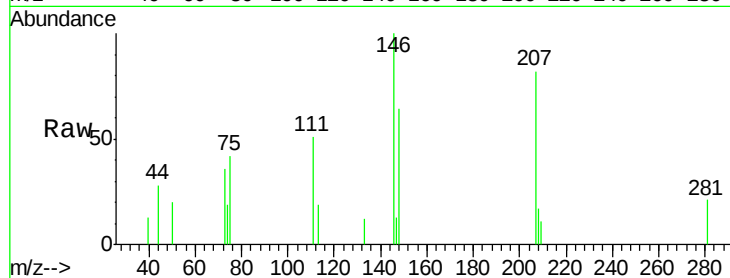
#91
 1,2-Dichlorobenzene
 Concen: 0.534 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060584.D
 Acq: 18 Mar 2020 12:16

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.0	63.0
148	64.9	31.9	95.5

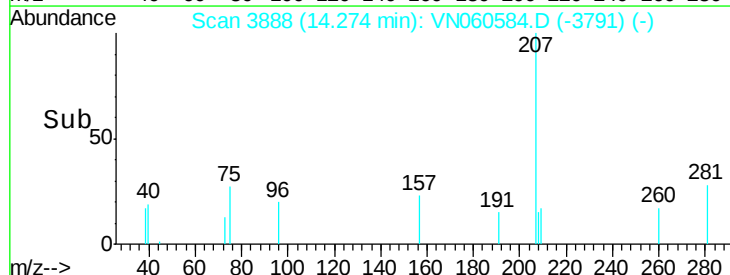
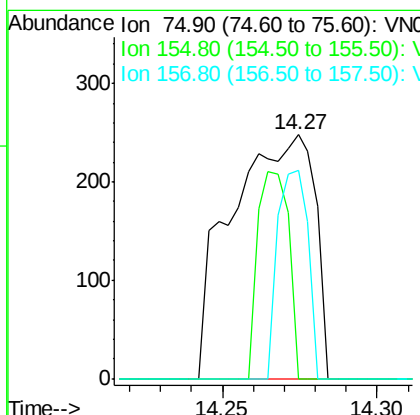
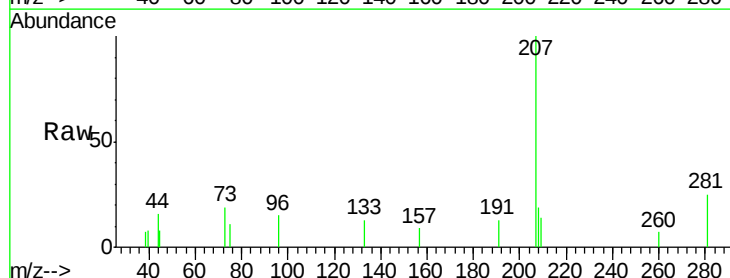
Manual Integrations
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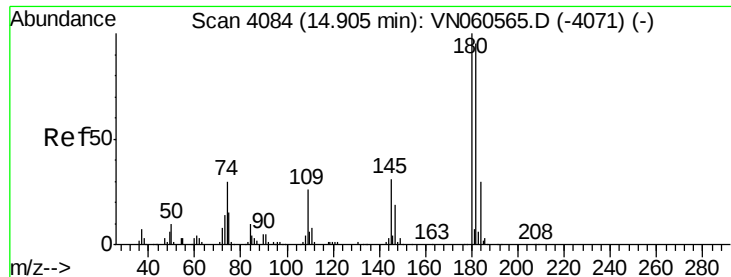
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.688 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.01 min
 Lab File: VN060584.D
 Acq: 18 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	31.6	40.7	122.1#
157	31.0	51.5	154.7#





#93

1,2,4-Trichlorobenzene

Concen: 0.563 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN060584.D

Acq: 18 Mar 2020 12:16

Instrument :

MSVOA_N

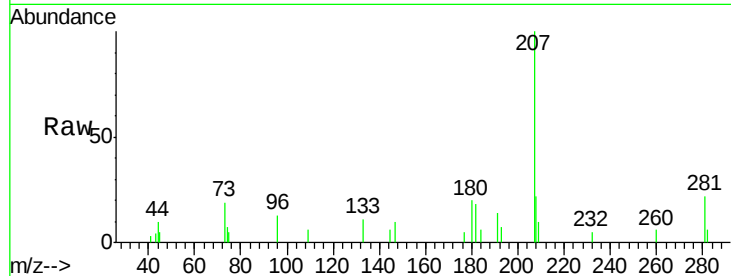
ClientSampleId :

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

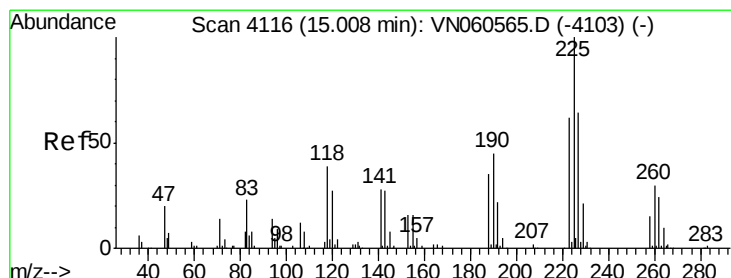
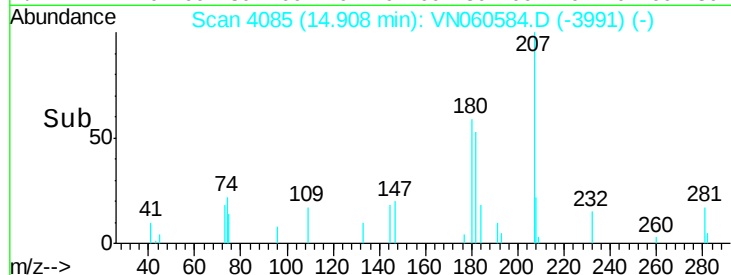
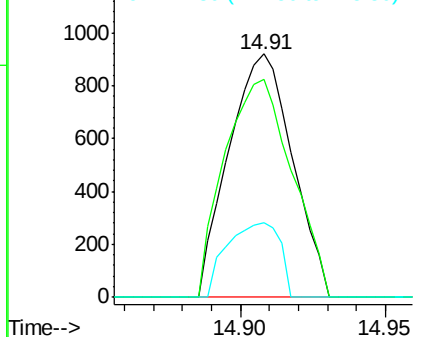
Tot Ion:	180	Resp:	1399
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.9	143.8
145	25.4	15.4	46.2

Manual Integrations
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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: 0.580 ug/l

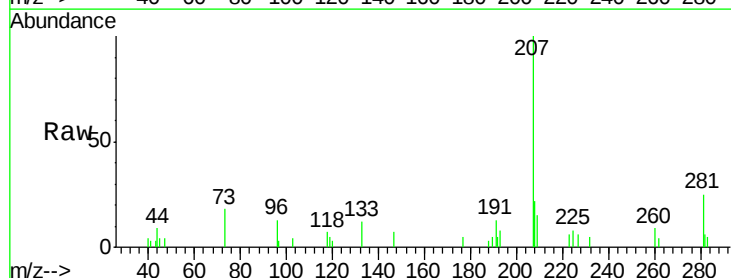
RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

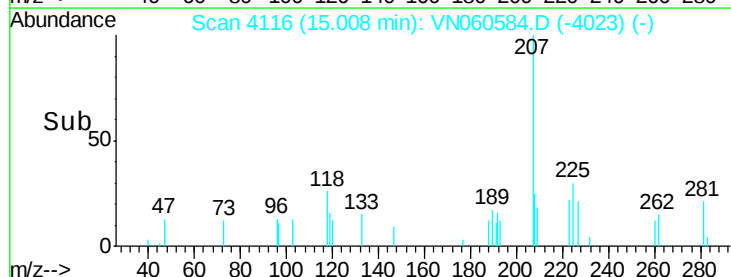
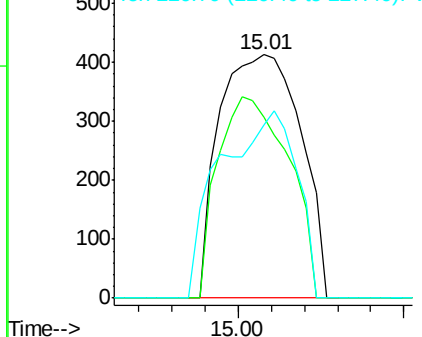
Lab File: VN060584.D

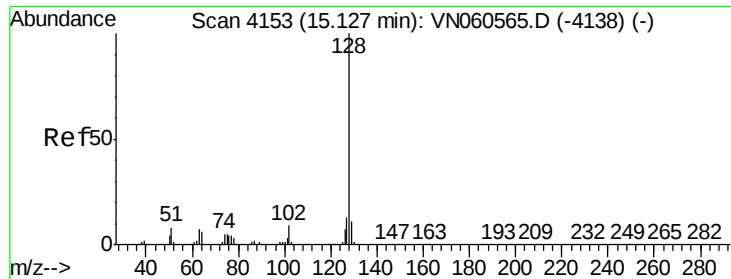
Acq: 18 Mar 2020 12:16

Tgt Ion:	225	Resp:	706
Ion Ratio	Lower	Upper	
225	100		
223	71.8	31.6	95.0
227	72.1	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





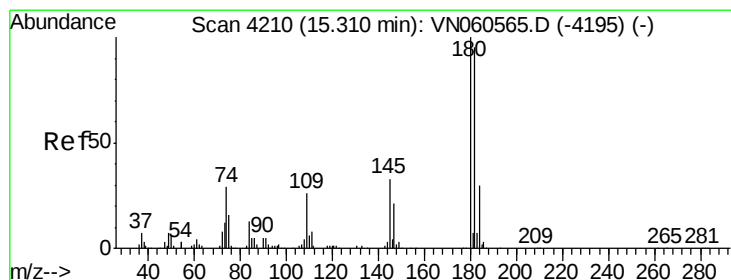
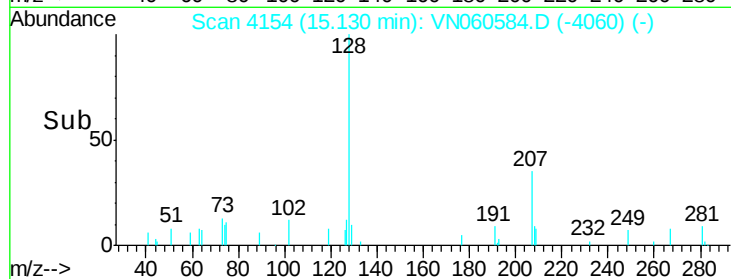
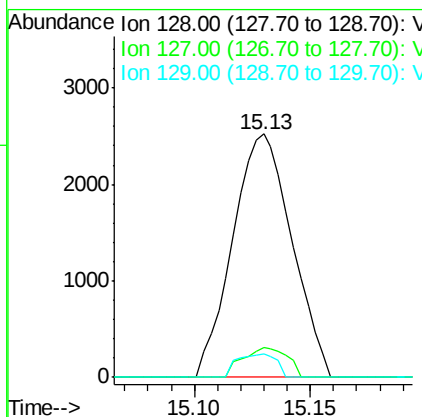
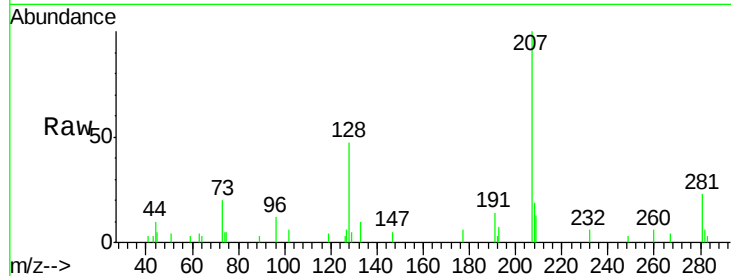
#95
Naphthalene
Concen: 0.597 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

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

Tot Ion	Ratio	Resp	Lower	Upper
128	100	4456		
127	9.2	10.2	15.2#	
129	6.4	8.8	13.2#	

Manual Integrations
APPROVED

MMDadoda
3/19/2020 1:03:18 PM



#96
1,2,3-Trichlorobenzene
Concen: 0.658 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060584.D
Acq: 18 Mar 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	1609		
182	87.8	47.5	142.6	
145	26.5	16.3	48.8	

