

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060575.D
 Acq On : 17 Mar 2020 23:44
 Operator : JC/MD
 Sample : L1161-08 5.0PPB LOQ
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Manual Integrations
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 3/19/2020 1:02:36 PM

Quant Time: Mar 18 09:23:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 09:02:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	203573	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	345999	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	313955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139499	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	139430	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	7.56	113	102753	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	10.08	98	411241	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
62) 4-Bromofluorobenzene	12.40	95	145265	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	8926	4.532	ug/l	99
3) Chloromethane	2.04	50	17481	4.752	ug/l	99
4) Vinyl Chloride	2.16	62	13697	4.760	ug/l	99
5) Bromomethane	2.54	94	6348	5.111	ug/l	99
6) Chloroethane	2.68	64	8094	4.883	ug/l	93
7) Trichlorofluoromethane	3.00	101	17638	4.976	ug/l	97
8) Diethyl Ether	3.39	74	7100	4.986	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	10206	4.969	ug/l	100
10) Methyl Iodide	3.93	142	9344	5.113	ug/l	98
11) Tert butyl alcohol	4.73	59	9605	23.370	ug/l #	79
12) 1,1-Dichloroethene	3.72	96	11134	5.052	ug/l	98
13) Acrolein	3.58	56	10999	24.147	ug/l	92
14) Allyl chloride	4.30	41	19740	5.092	ug/l	92
15) Acrylonitrile	4.95	53	28714	23.759	ug/l	99
16) Acetone	3.78	43	23289	23.527	ug/l	99
17) Carbon Disulfide	4.03	76	34118	5.090	ug/l	98
18) Methyl Acetate	4.29	43	13401	4.810	ug/l	95
19) Methyl tert-butyl Ether	5.00	73	37841	4.994	ug/l	100
20) Methylene Chloride	4.52	84	12531	5.146	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	11635	4.953	ug/l	96
22) Diisopropyl ether	5.91	45	41249	5.037	ug/l	93
23) Vinyl Acetate	5.86	43	162749	24.356	ug/l	99
24) 1,1-Dichloroethane	5.82	63	22182	4.968	ug/l	97
25) 2-Butanone	6.80	43	36873	23.019	ug/l	96
26) 2,2-Dichloropropane	6.79	77	15655	4.457	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	13224	4.954	ug/l	99
28) Bromochloromethane	7.17	49	11118	5.205	ug/l #	100
29) Tetrahydrofuran	7.18	42	27231	24.027	ug/l	99
30) Chloroform	7.35	83	21502	5.024	ug/l	96
31) Cyclohexane	7.63	56	25476	5.660	ug/l #	82
32) 1,1,1-Trichloroethane	7.54	97	18219	4.938	ug/l	97
36) 1,1-Dichloropropene	7.77	75	16590	4.952	ug/l	99
37) Ethyl Acetate	6.90	43	16606	4.587	ug/l #	86
38) Carbon Tetrachloride	7.75	117	14385	4.791	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	19503	4.898	ug/l	98
40) Benzene	8.02	78	50469	4.990	ug/l	99
41) Methacrylonitrile	7.14	41	7112m	4.603	ug/l	
42) 1,2-Dichloroethane	8.10	62	17973	5.200	ug/l	98
43) Isopropyl Acetate	8.14	43	29013	4.860	ug/l	100
44) Trichloroethene	8.82	130	13441	5.272	ug/l	95
45) 1,2-Dichloropropane	9.10	63	13425	5.030	ug/l	98
46) Dibromomethane	9.19	93	7968	4.939	ug/l	98
47) Bromodichloromethane	9.38	83	16185	4.828	ug/l	98
48) Methyl methacrylate	9.18	41	12683	4.771	ug/l	95
49) 1,4-Dioxane	9.18	88	3190	100.965	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	80541	23.707	ug/l	100
52) Toluene	10.14	92	29869	4.890	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	18342	4.763	ug/l	96
54) cis-1,3-Dichloropropene	9.82	75	20233	4.789	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	11424	4.862	ug/l	97
56) Ethyl methacrylate	10.42	69	15764	4.302	ug/l	95
57) 1,3-Dichloropropane	10.70	76	19936	4.889	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	44032	24.180	ug/l	99
59) 2-Hexanone	10.74	43	55583	22.712	ug/l	99
60) Dibromochloromethane	10.89	129	11389	4.692	ug/l	99
61) 1,2-Dibromoethane	10.99	107	11445	4.844	ug/l	99
64) Tetrachloroethene	10.62	164	13120	5.311	ug/l	97
65) Chlorobenzene	11.42	112	30766	4.943	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	11255	4.995	ug/l	97
67) Ethyl Benzene	11.50	91	57511	4.969	ug/l	99
68) m/p-Xylenes	11.62	106	41531	9.656	ug/l	98
69) o-Xylene	11.94	106	20171	4.913	ug/l	98
70) Styrene	11.96	104	30867	4.597	ug/l	99
71) Bromoform	12.12	173	7525	4.475	ug/l #	95
73) Isopropylbenzene	12.24	105	52712	5.035	ug/l	99
74) N-amyl acetate	12.06	43	22167	4.582	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	15748	4.974	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	14605m	4.852	ug/l	
77) Bromobenzene	12.52	156	12916	5.120	ug/l	98
78) n-propylbenzene	12.59	91	61456	4.969	ug/l	100
79) 2-Chlorotoluene	12.67	91	37235	5.039	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	44879	5.052	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	5118	4.367	ug/l	94
82) 4-Chlorotoluene	12.77	91	38181	5.073	ug/l	99
83) tert-Butylbenzene	12.99	119	37416	5.080	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	44577	5.072	ug/l	98
85) sec-Butylbenzene	13.17	105	49720	5.021	ug/l	100
86) p-Isopropyltoluene	13.28	119	43688	4.906	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	22064	4.959	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	21800	4.877	ug/l	94
89) n-Butylbenzene	13.61	91	38151	4.745	ug/l	99
90) Hexachloroethane	13.87	117	6085	4.701	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	21339	5.016	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	3081	4.334	ug/l	94

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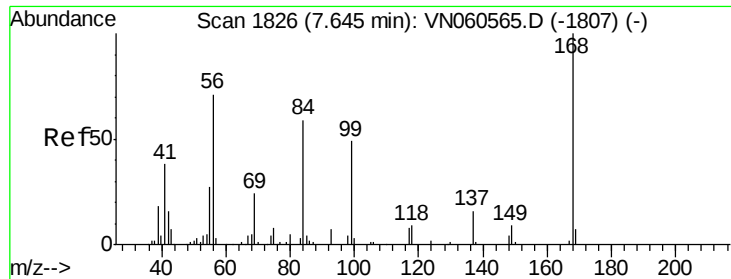
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	11951	4.574	ug/l	94
94) Hexachlorobutadiene	15.00	225	6304	4.922	ug/l	97
95) Naphthalene	15.13	128	32588	4.147	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	11340	4.407	ug/l	98

(#) = 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: VN060575.D

Acq: 17 Mar 2020 23:44

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:168 Resp: 203573

Ion Ratio Lower Upper

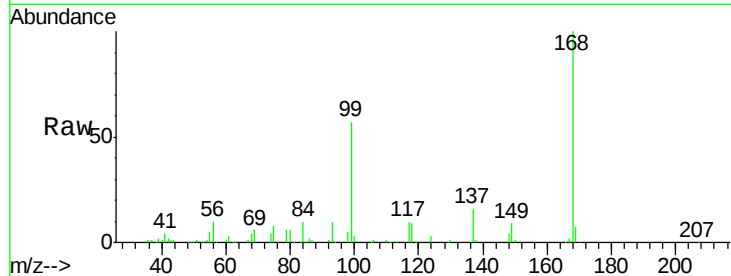
168 100

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

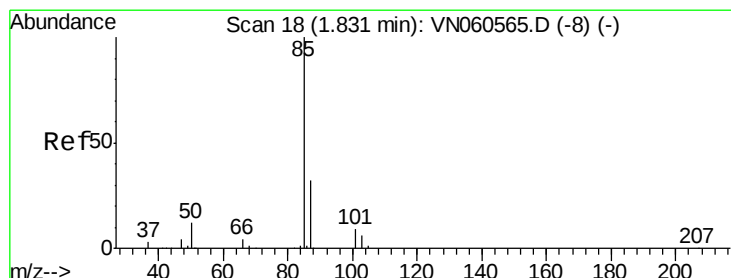
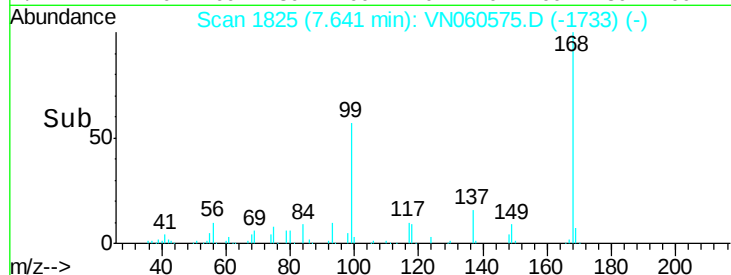
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 4.532 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060575.D

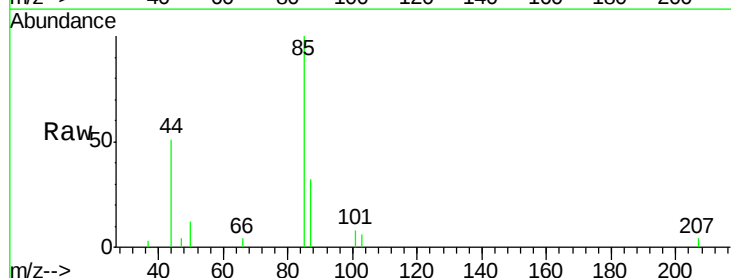
Acq: 17 Mar 2020 23:44

Tgt Ion: 85 Resp: 8926

Ion Ratio Lower Upper

85 100

87 31.7 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

8000

6000

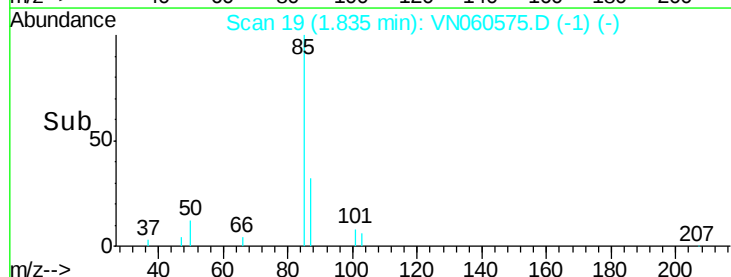
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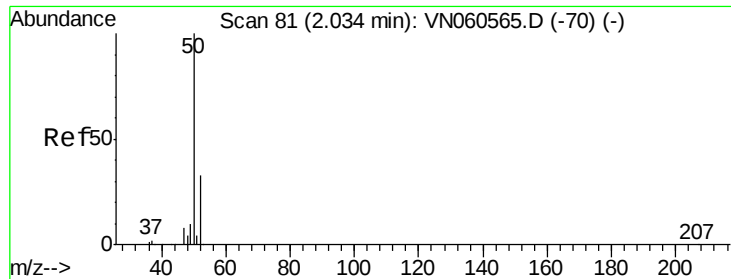
2000

0

1.80 1.85

Time-->





#3

Chloromethane

Concen: 4.752 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 50 Resp: 17481

Ion Ratio Lower Upper

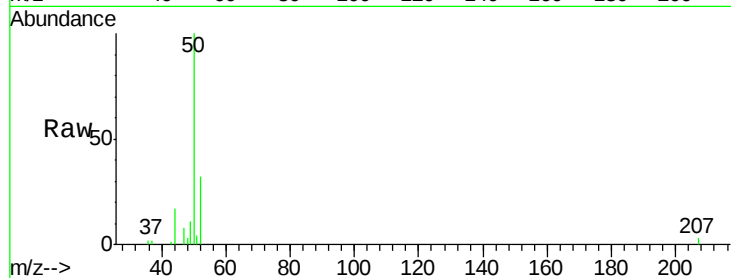
50 100

52 32.1 26.2 39.2

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

15000

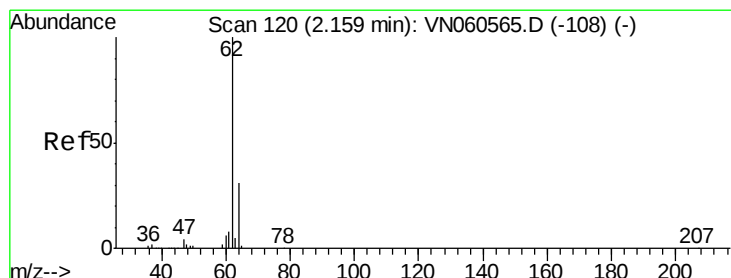
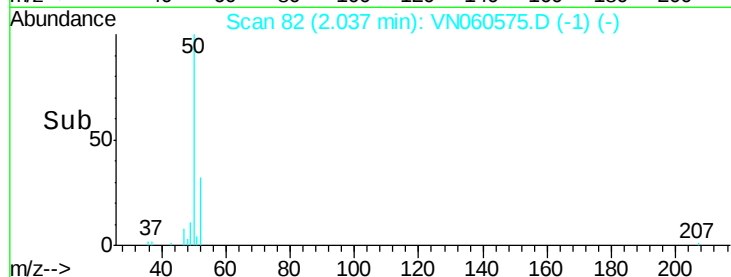
10000

5000

0

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 4.760 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060575.D

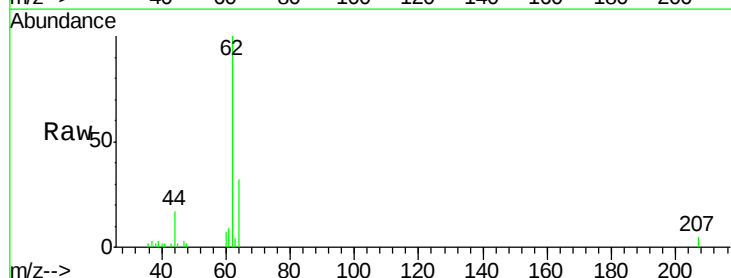
Acq: 17 Mar 2020 23:44

Tgt Ion: 62 Resp: 13697

Ion Ratio Lower Upper

62 100

64 31.6 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

10000

8000

6000

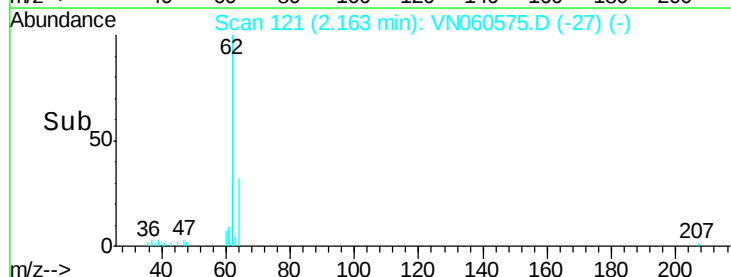
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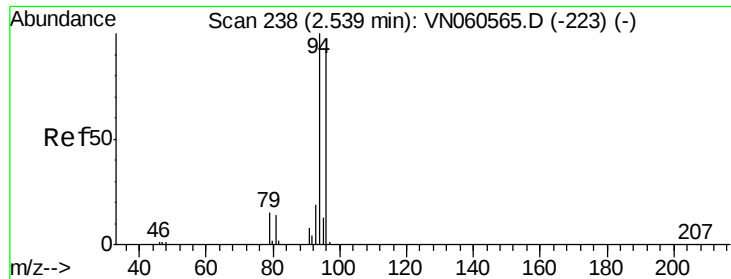
2000

0

2.10 2.15 2.20

Time-->





#5

Bromomethane

Concen: 5.111 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 94 Resp: 6348

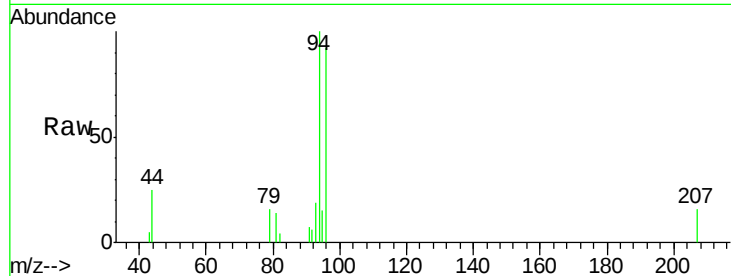
Ion Ratio Lower Upper

94 100

96 92.3 74.6 112.0

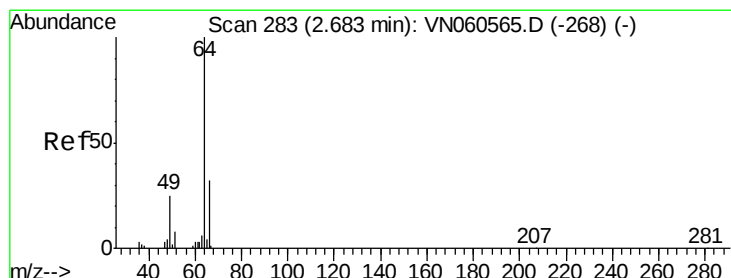
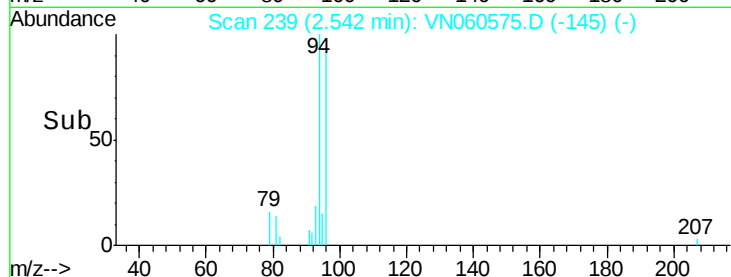
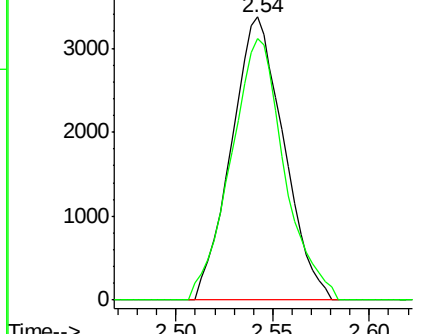
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Abundance Ion 93.90 (93.60 to 94.60): VN060575.D (-239) (-)

Ion 95.90 (95.60 to 96.60): VN060575.D (-239) (-)



#6

Chloroethane

Concen: 4.883 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060575.D

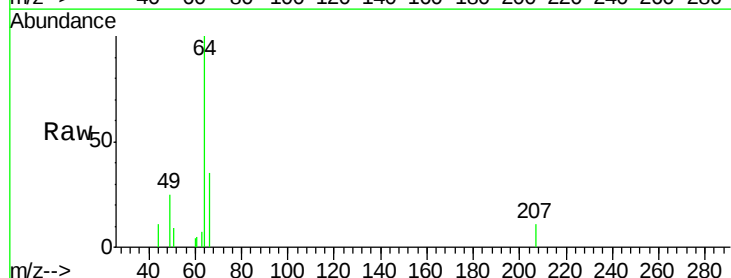
Acq: 17 Mar 2020 23:44

Tgt Ion: 64 Resp: 8094

Ion Ratio Lower Upper

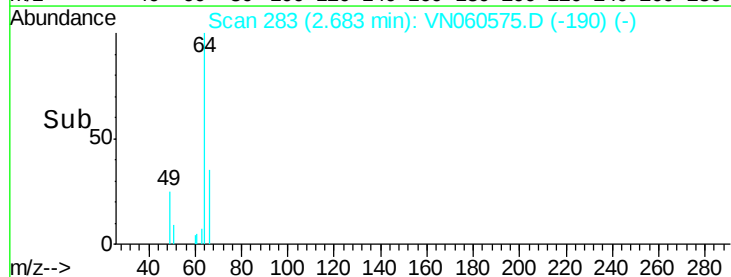
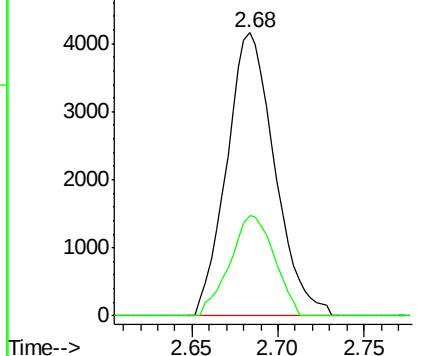
64 100

66 35.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN060575.D (-283) (-)

Ion 65.90 (65.60 to 66.60): VN060575.D (-283) (-)





#7

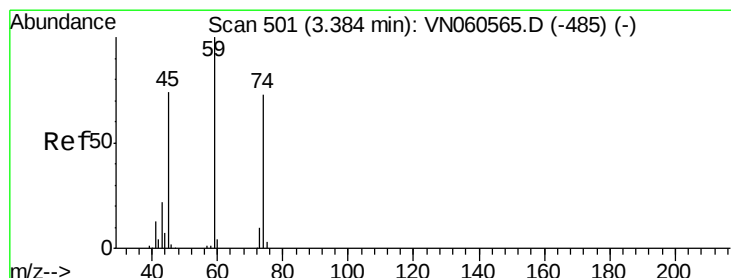
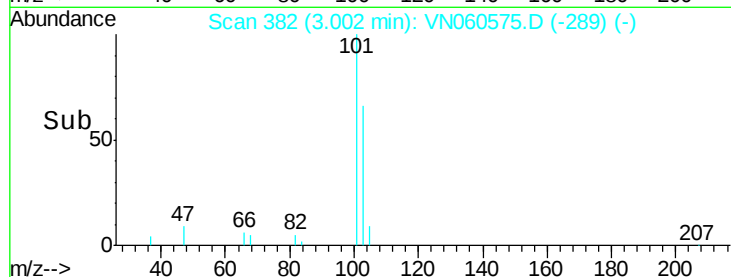
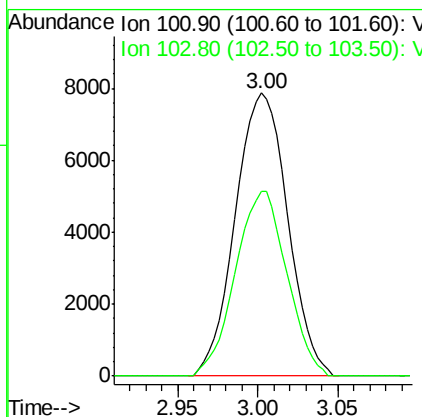
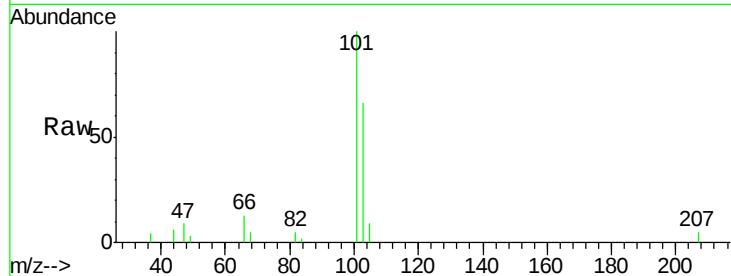
Trichlorofluoromethane
 Concen: 4.976 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

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 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	50.6	76.0

Manual Integrations
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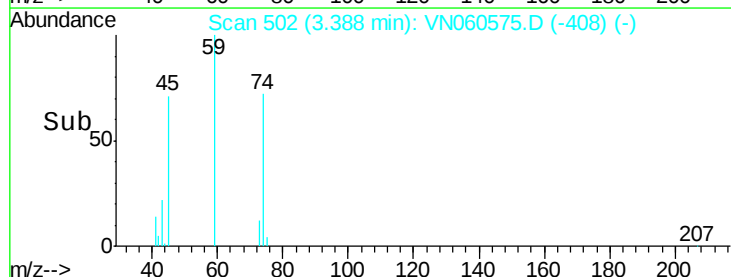
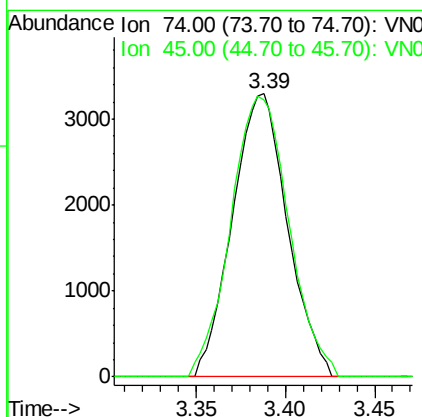
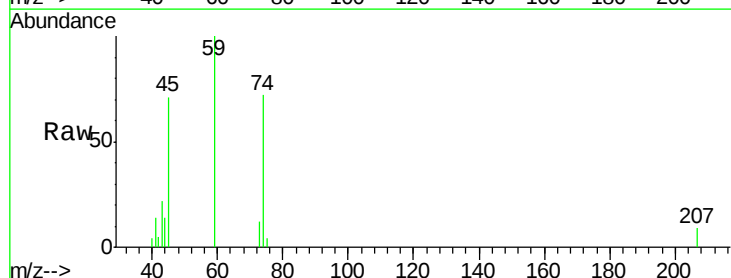
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#8

Diethyl Ether
 Concen: 4.986 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.6	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.969 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Instrument :

MSVOA_N

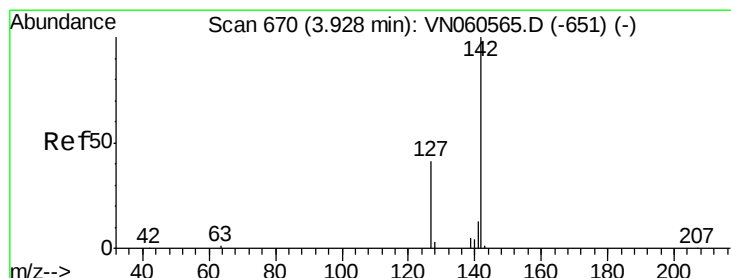
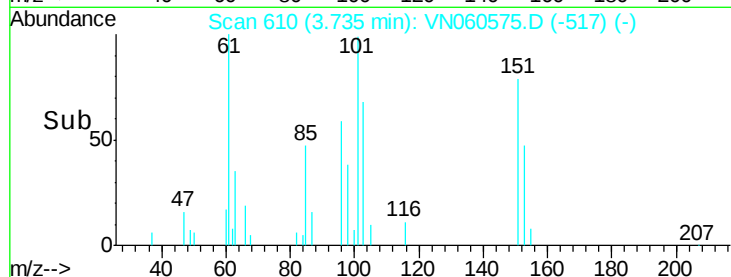
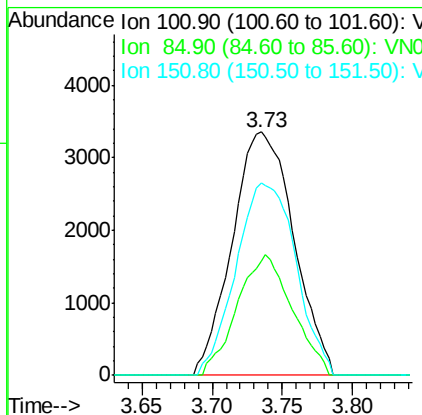
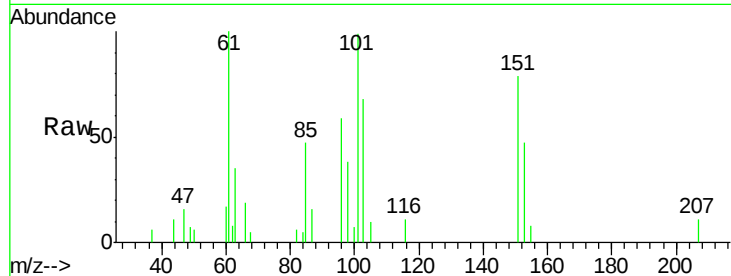
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	101	Resp:	10206
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.6	53.4
151	77.0	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 5.113 ug/l

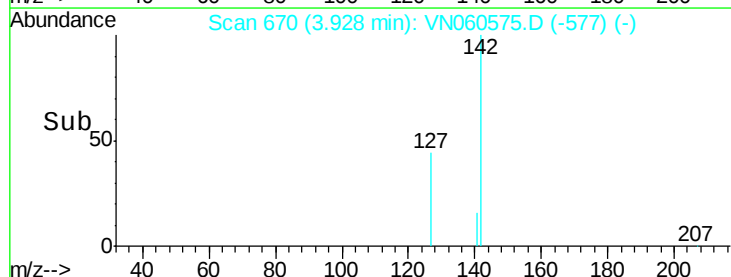
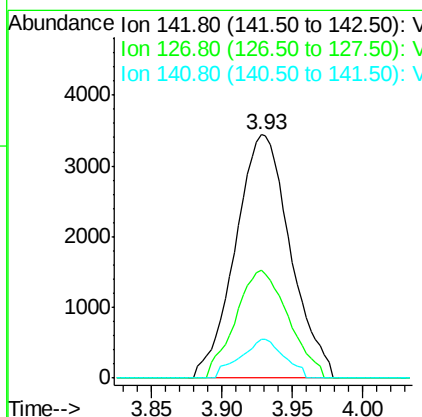
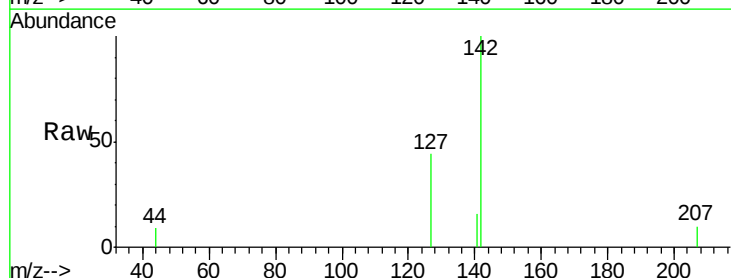
RT: 3.93 min Scan# 670

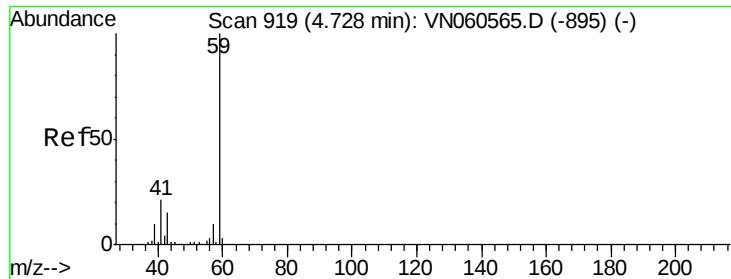
Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Tgt Ion:	142	Resp:	9344
Ion Ratio	Lower	Upper	
142	100		
127	42.7	33.5	50.3
141	12.8	11.0	16.6





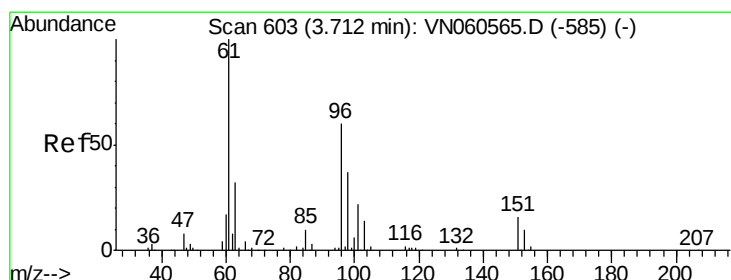
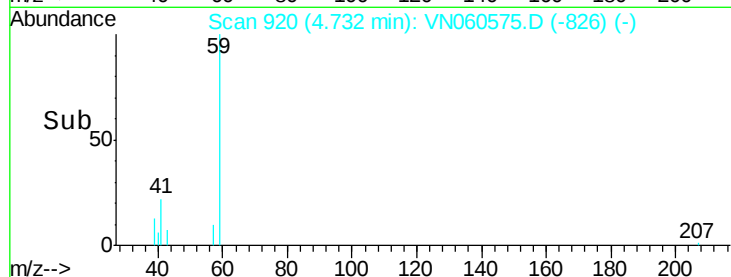
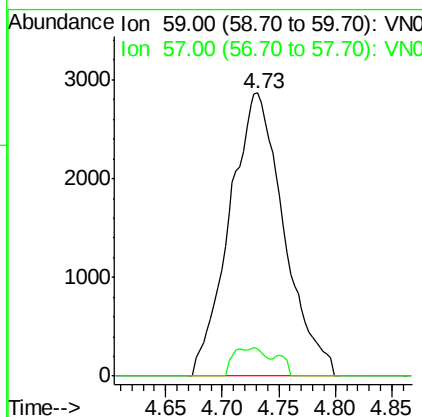
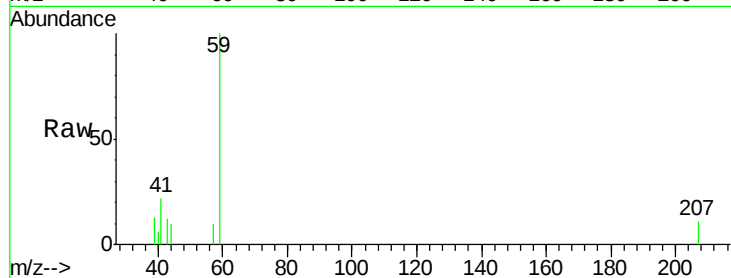
#11
Tert butyl alcohol
Concen: 23.370 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion: 59 Resp: 9605
Ion Ratio Lower Upper
59 100
57 2.3 8.2 12.4#

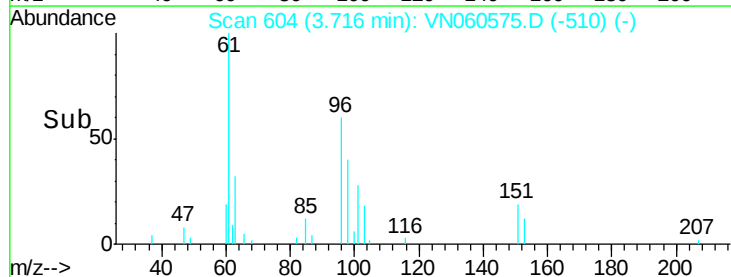
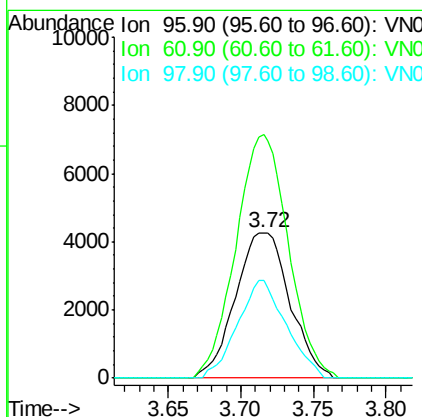
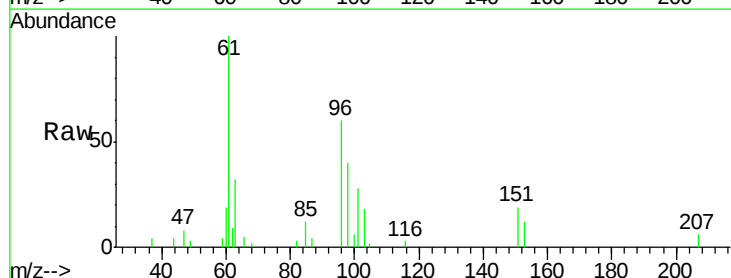
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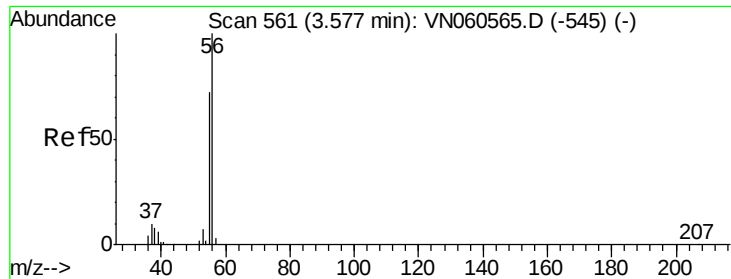
MMDadoda
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#12
1,1-Dichloroethene
Concen: 5.052 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Tgt Ion: 96 Resp: 11134
Ion Ratio Lower Upper
96 100
61 167.3 134.1 201.1
98 67.2 49.9 74.9





#13

Acrolein

Concen: 24.147 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 56 Resp: 10999

Ion Ratio Lower Upper

56 100

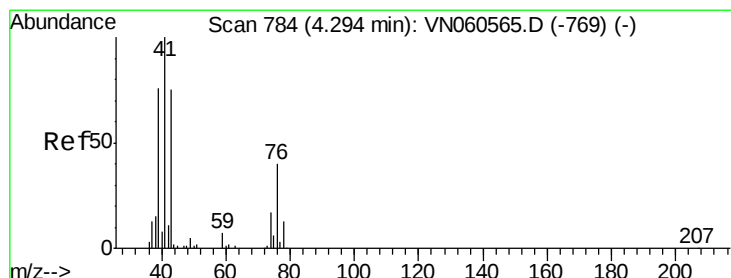
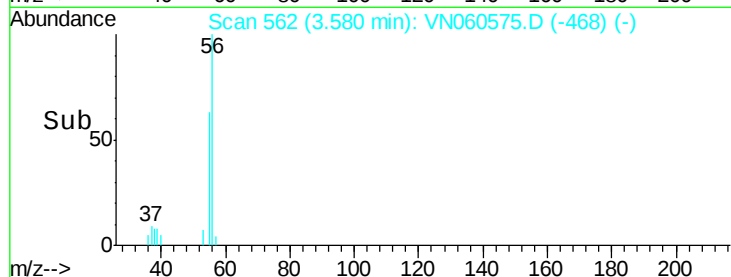
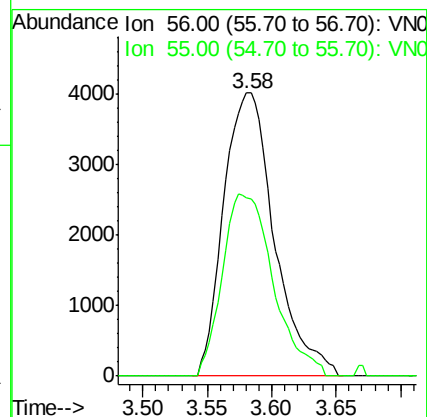
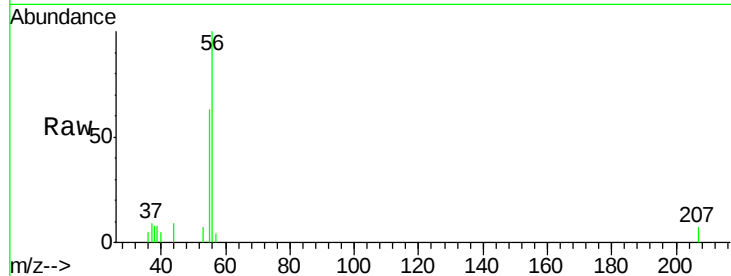
55 64.4 56.7 85.1

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#14

Allyl chloride

Concen: 5.092 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

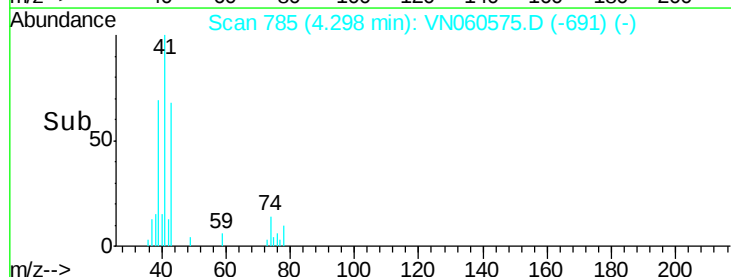
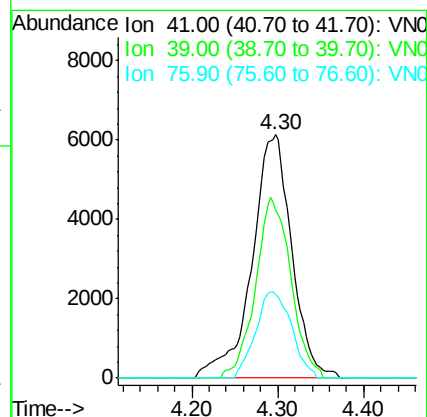
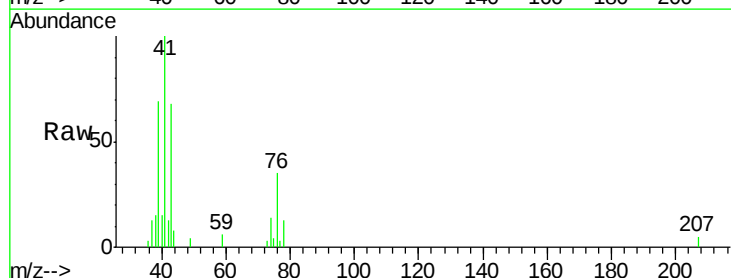
Tgt Ion: 41 Resp: 19740

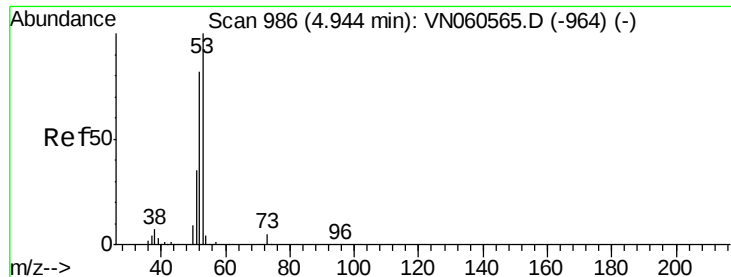
Ion Ratio Lower Upper

41 100

39 65.6 57.8 86.8

76 31.9 28.6 43.0





#15

Acrylonitrile

Concen: 23.759 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.01 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Instrument :

MSVOA_N

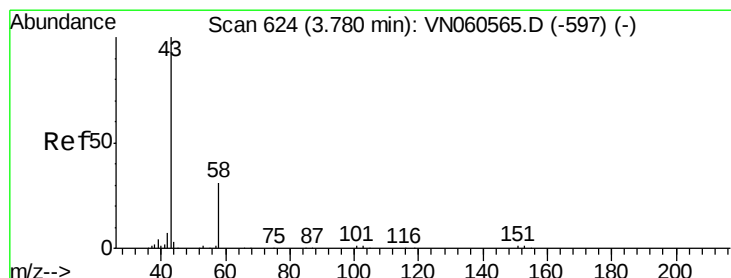
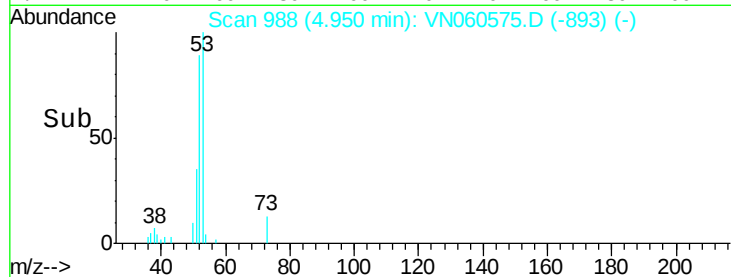
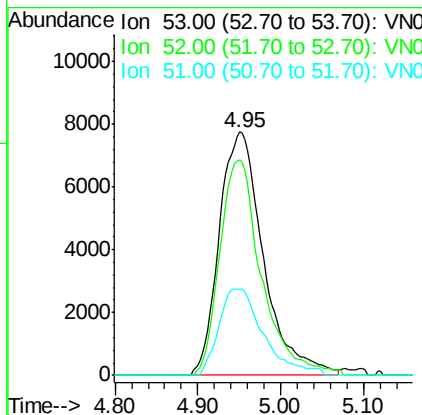
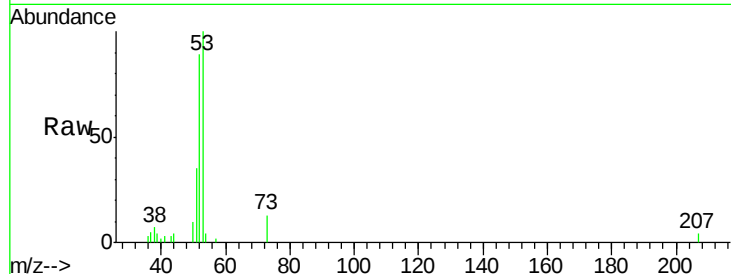
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	53	Resp:	28714
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.2	99.4
51	35.9	28.7	43.1

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#16

Acetone

Concen: 23.527 ug/l

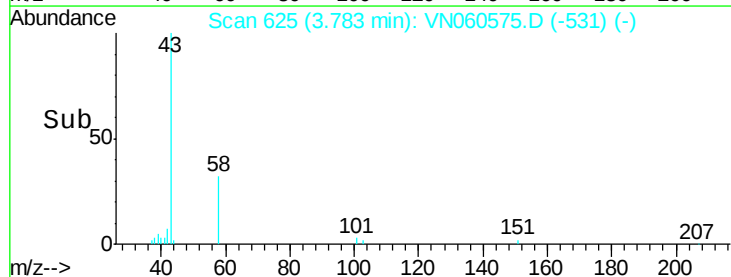
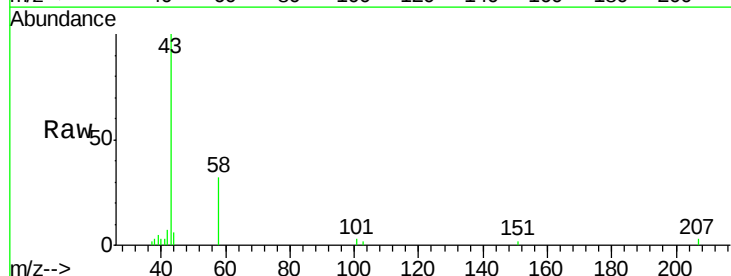
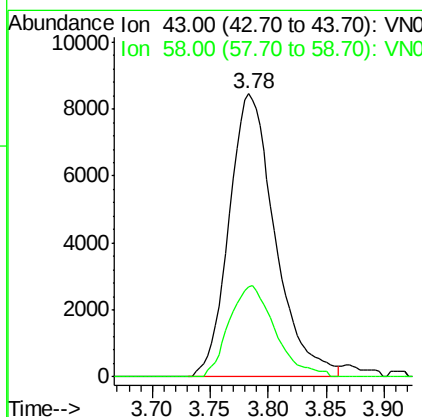
RT: 3.78 min Scan# 625

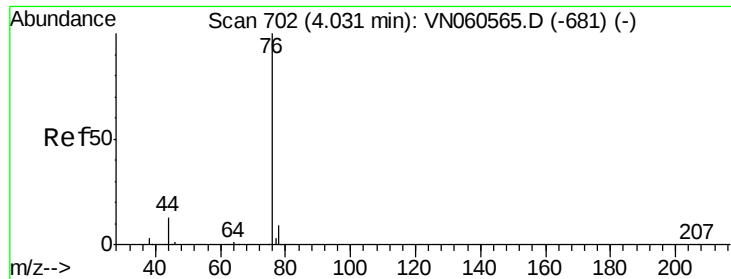
Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Tgt Ion:	43	Resp:	23289
Ion	Ratio	Lower	Upper
43	100		
58	32.0	25.1	37.7





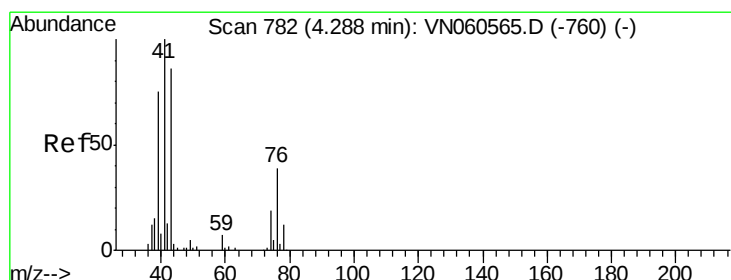
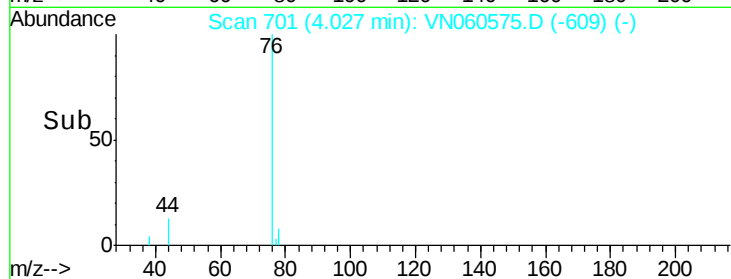
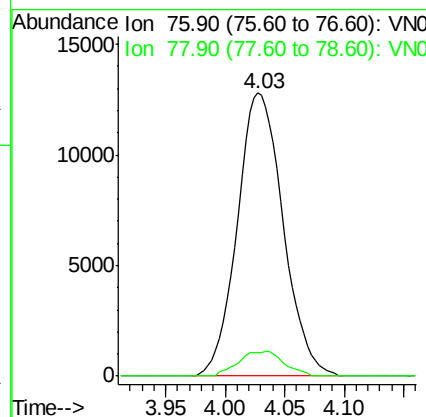
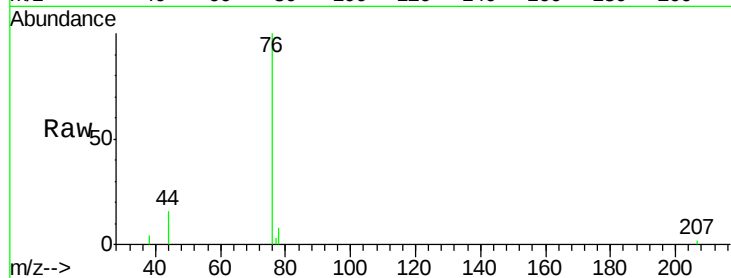
#17
Carbon Disulfide
Concen: 5.090 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.2	10.8

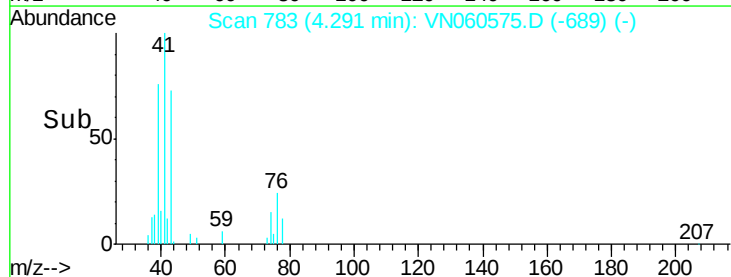
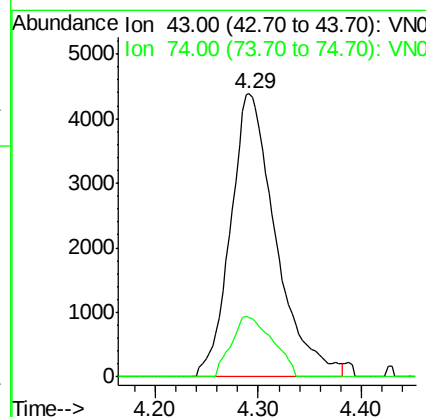
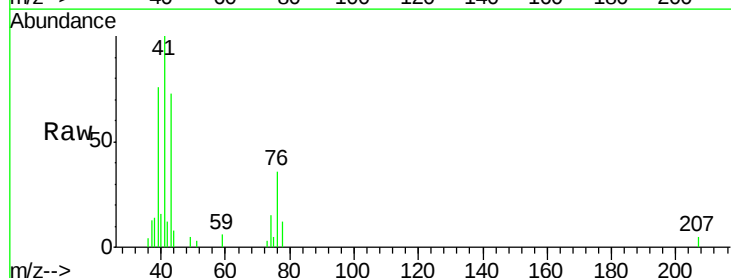
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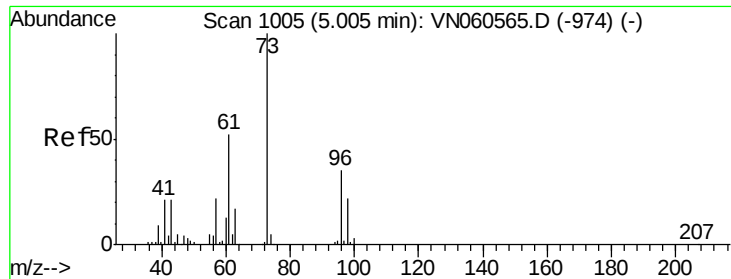
MMDadoda
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#18
Methyl Acetate
Concen: 4.810 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	17.5	26.3





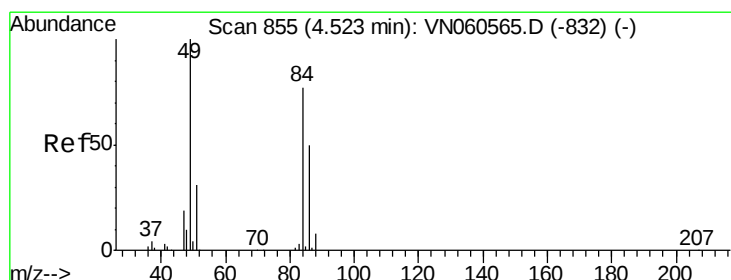
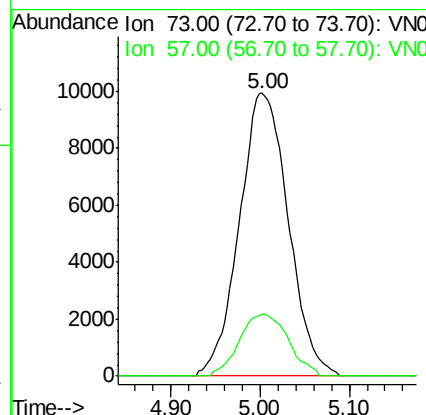
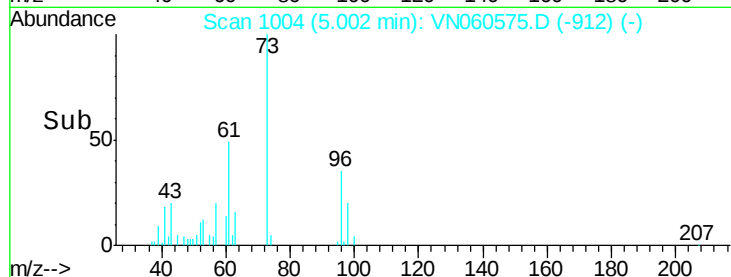
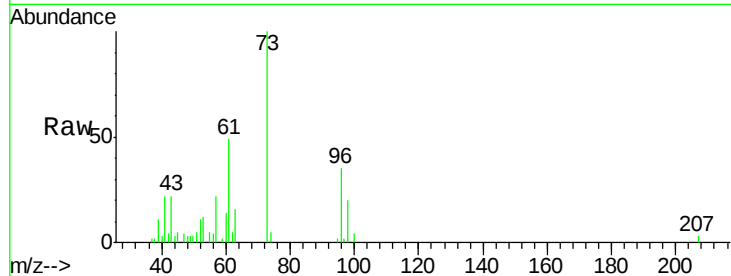
#19
Methyl tert-butyl Ether
Concen: 4.994 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion: 73 Resp: 37841
Ion Ratio Lower Upper
73 100
57 22.0 17.5 26.3

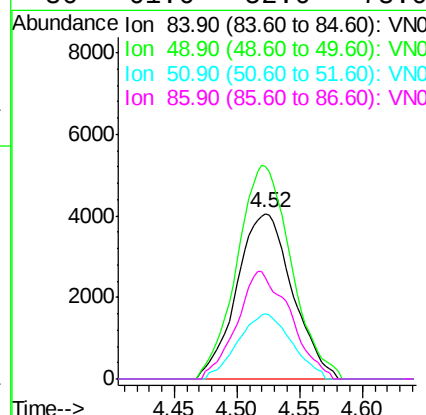
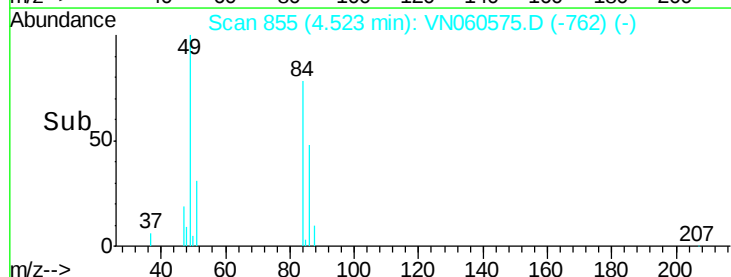
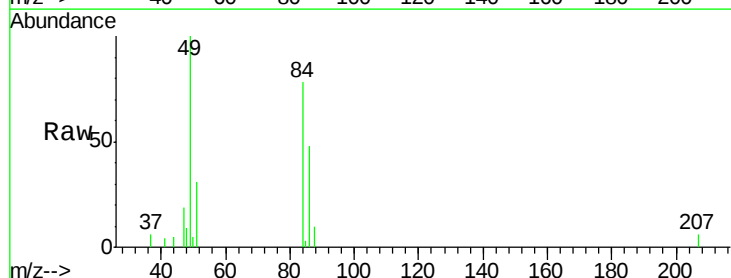
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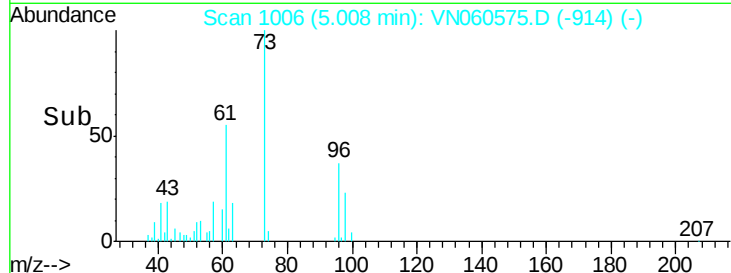
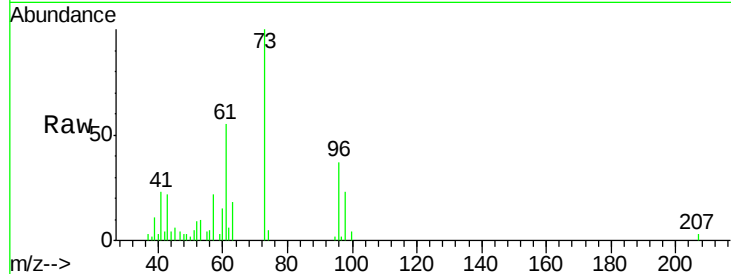
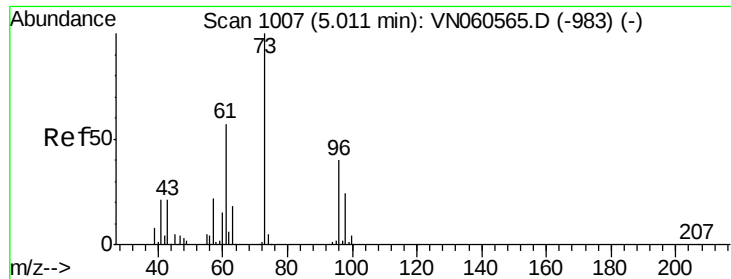
MMDadoda
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#20
Methylene Chloride
Concen: 5.146 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Tgt Ion: 84 Resp: 12531
Ion Ratio Lower Upper
84 100
49 129.0 103.3 154.9
51 39.7 31.6 47.4
86 61.6 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 4.953 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060575.D

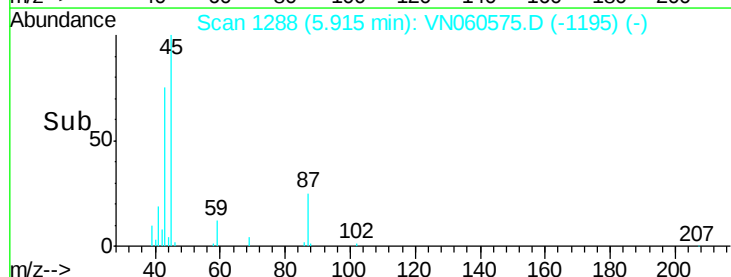
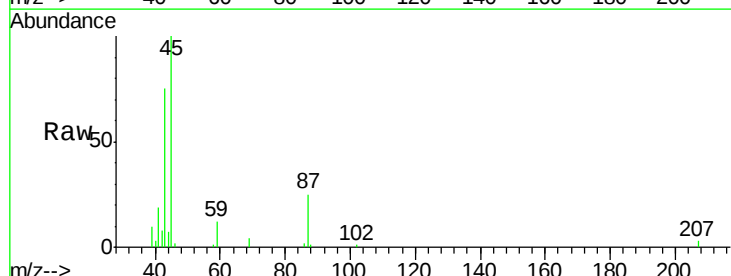
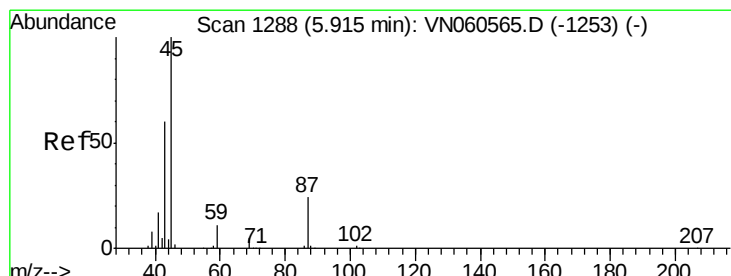
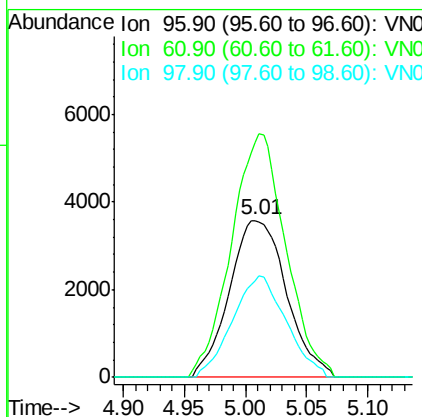
Acq: 17 Mar 2020 23:44

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.9	114.4	171.6
98	61.7	48.4	72.6

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Manual Integrations
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#22

Diisopropyl ether

Concen: 5.037 ug/l

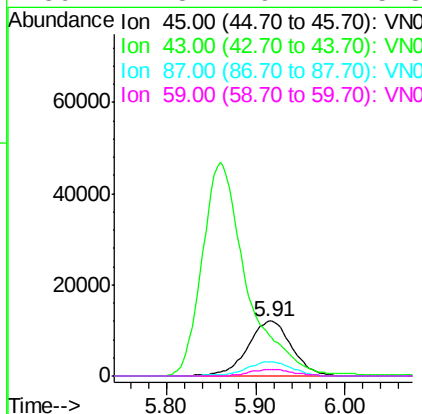
RT: 5.91 min Scan# 1288

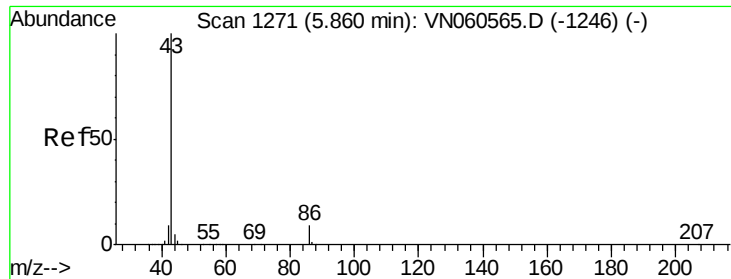
Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.9	49.8	74.8
87	25.4	20.1	30.1
59	11.8	9.2	13.8





#23

Vinyl Acetate

Concen: 24.356 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 43 Resp: 162749

Ion Ratio Lower Upper

43 100

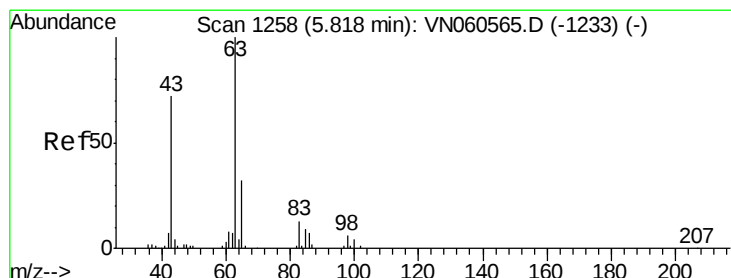
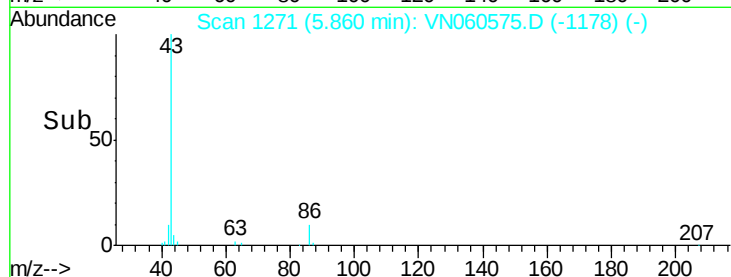
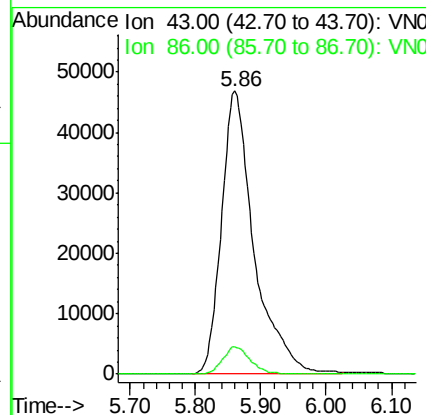
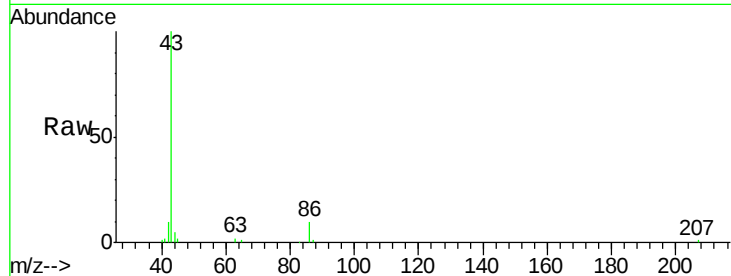
86 9.7 7.6 11.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 4.968 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

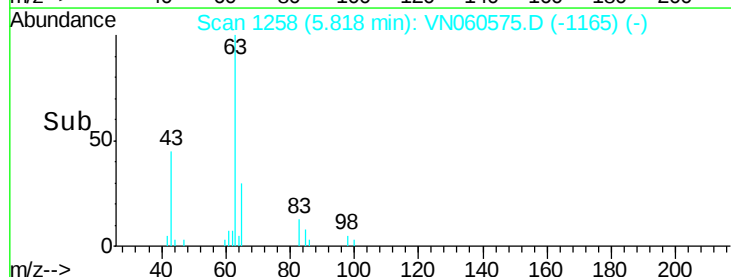
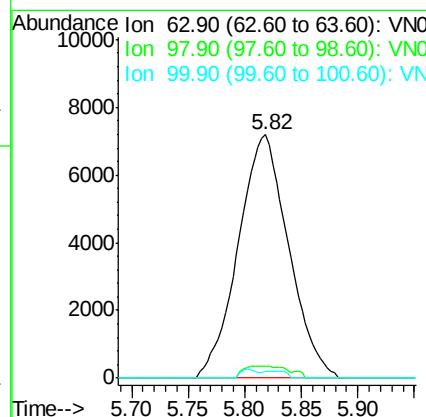
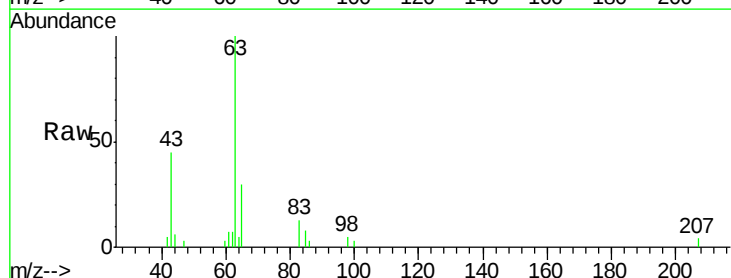
Tgt Ion: 63 Resp: 22182

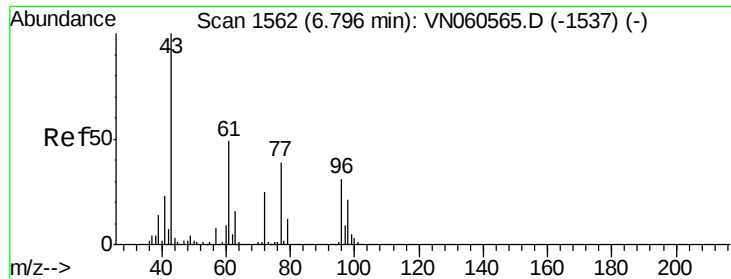
Ion Ratio Lower Upper

63 100

98 4.9 2.9 8.7

100 2.6 1.8 5.5





#25

2-Butanone

Concen: 23.019 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 43 Resp: 36873

Ion Ratio Lower Upper

43 100

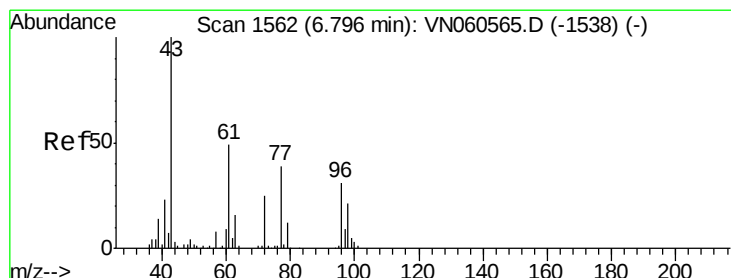
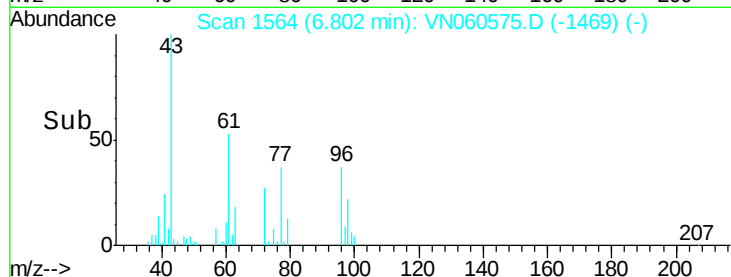
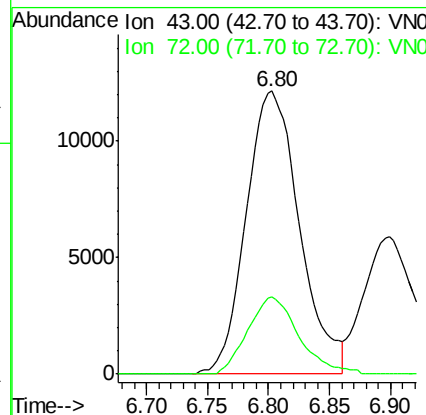
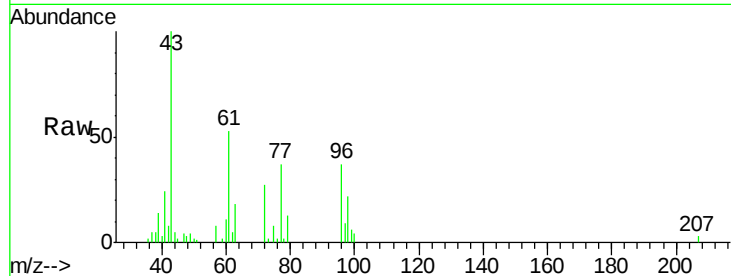
72 27.3 20.4 30.6

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#26

2,2-Dichloropropane

Concen: 4.457 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060575.D

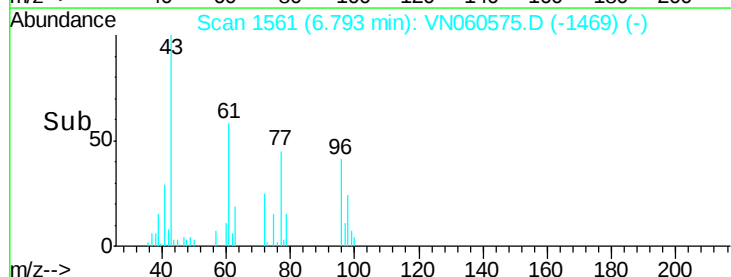
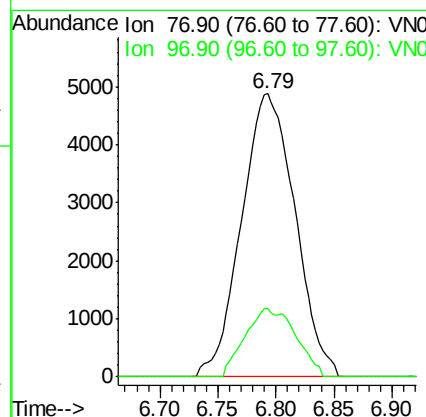
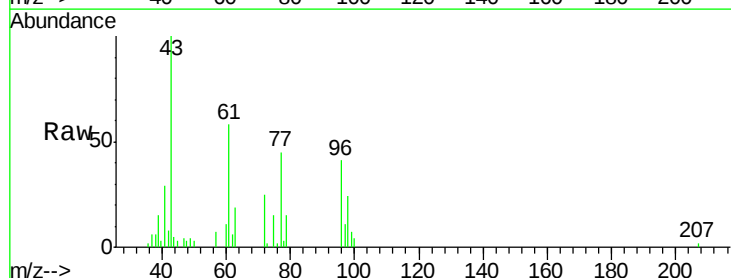
Acq: 17 Mar 2020 23:44

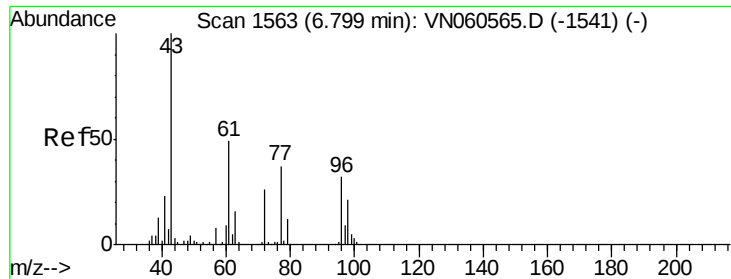
Tgt Ion: 77 Resp: 15655

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.1





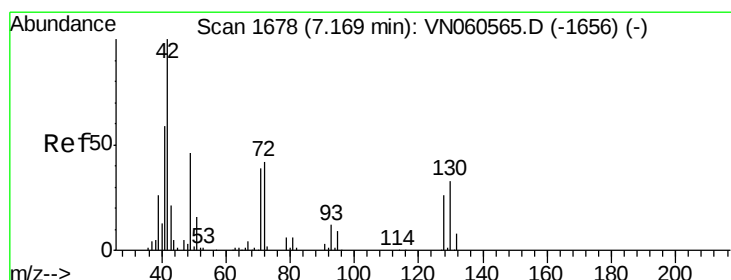
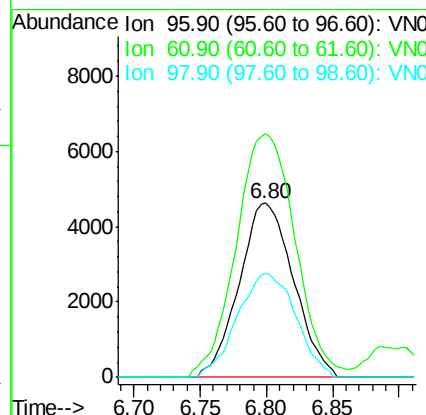
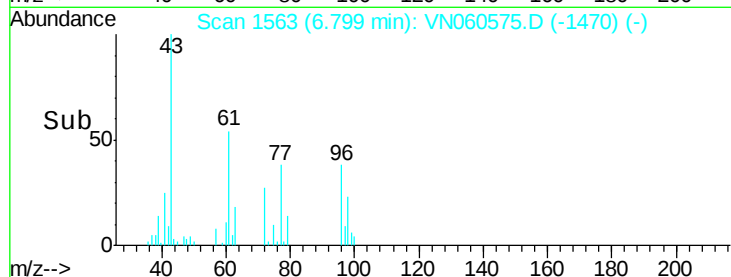
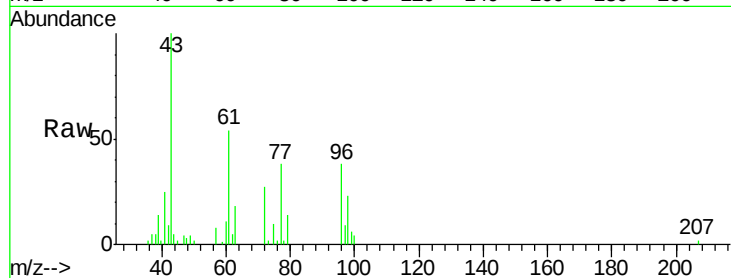
#27
 cis-1,2-Dichloroethene
 Concen: 4.954 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.6	0.0	305.6
98	64.1	0.0	127.6

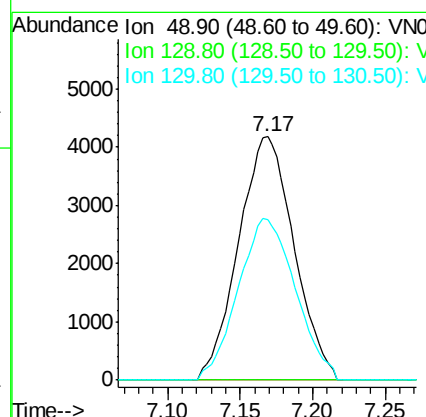
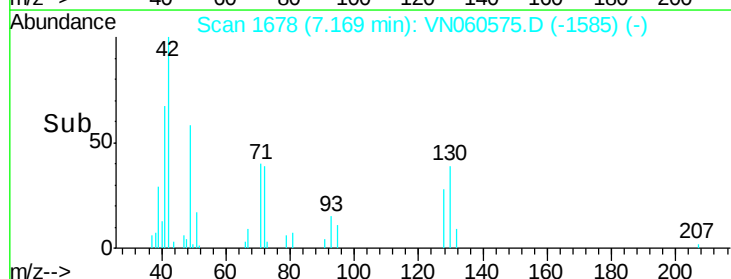
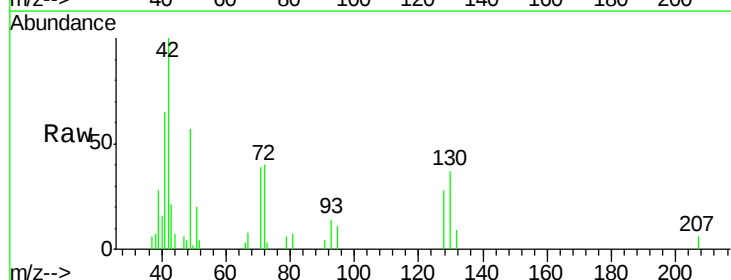
Manual Integrations
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 3/19/2020 1:02:36 PM



#28
 Bromochloromethane
 Concen: 5.205 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. 0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	68.5	55.0	82.4





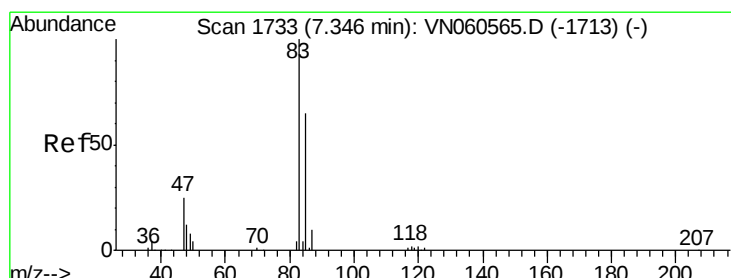
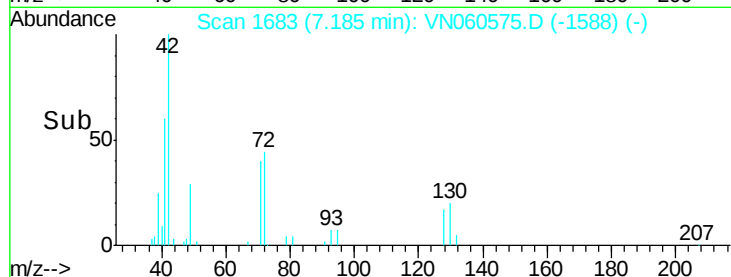
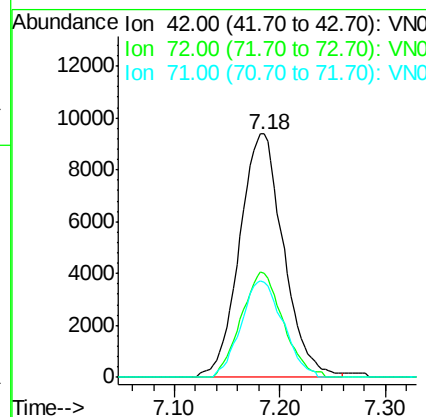
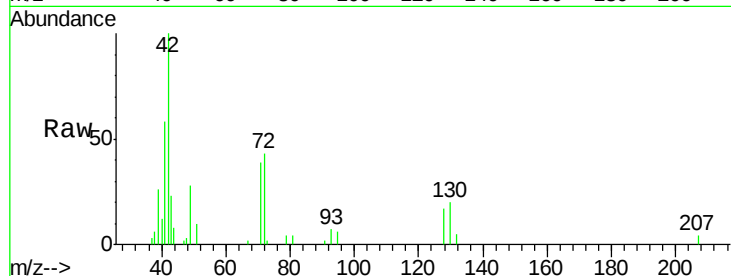
#29
Tetrahydrofuran
Concen: 24.027 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	33.2	49.8
71	37.9	31.1	46.7

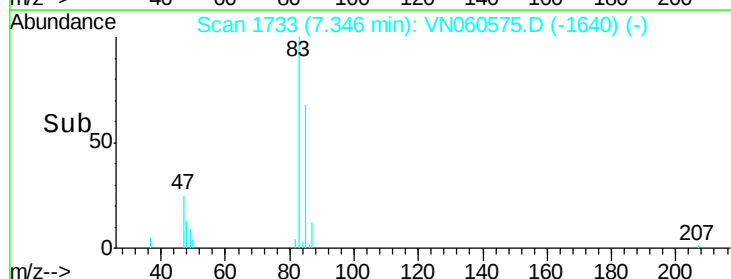
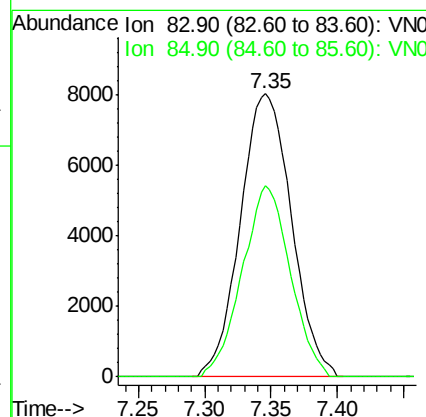
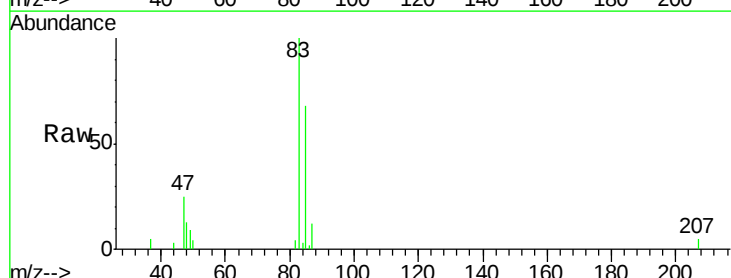
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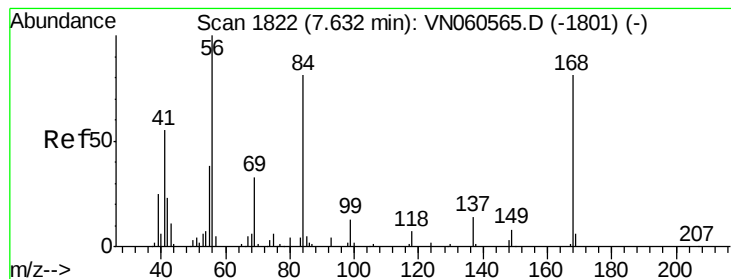
MMDadoda
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#30
Chloroform
Concen: 5.024 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	51.8	77.8





#31

Cyclohexane

Concen: 5.660 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Instrument :

MSVOA_N

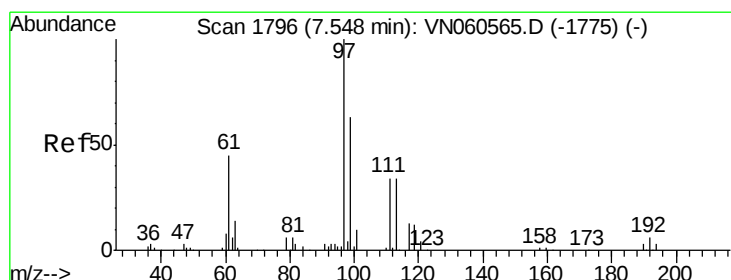
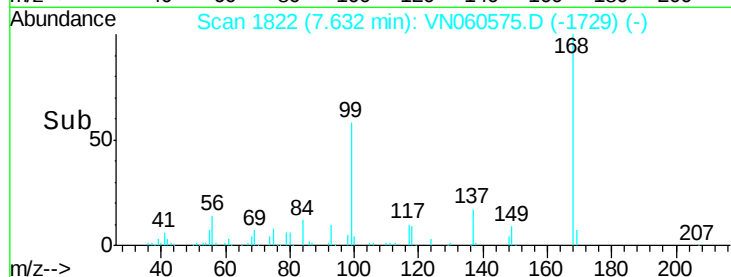
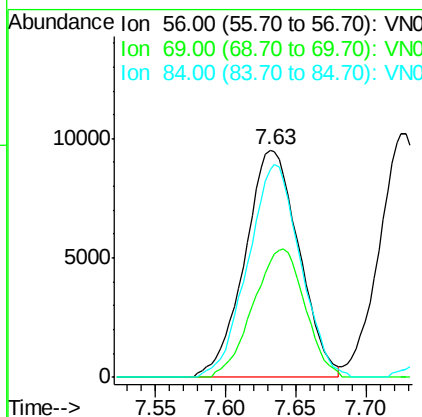
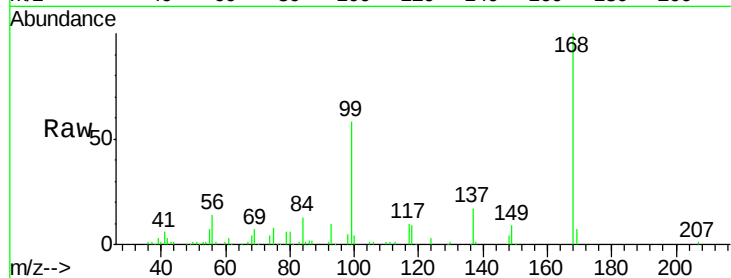
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	56	Resp:	25476
Ion Ratio	Lower	Upper	
56	100		
69	50.8	26.6	40.0#
84	91.2	64.3	96.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 4.938 ug/l

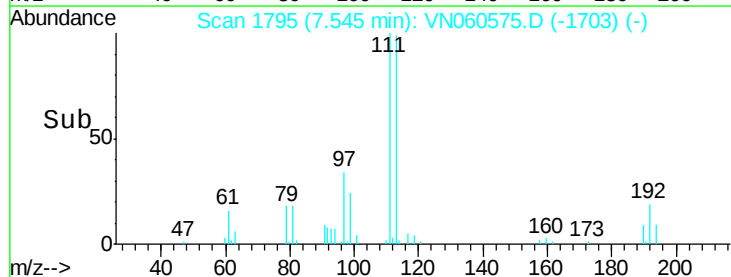
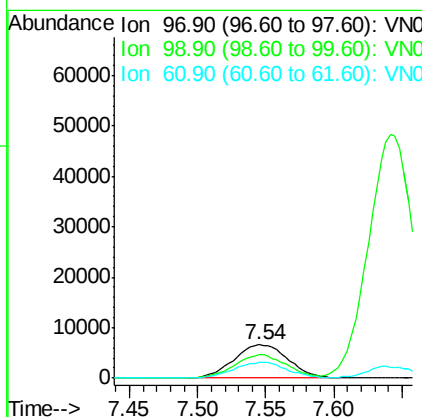
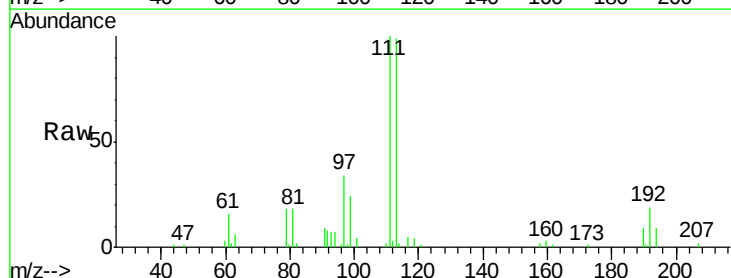
RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Tgt Ion:	97	Resp:	18219
Ion Ratio	Lower	Upper	
97	100		
99	66.5	50.6	75.8
61	46.2	36.2	54.4





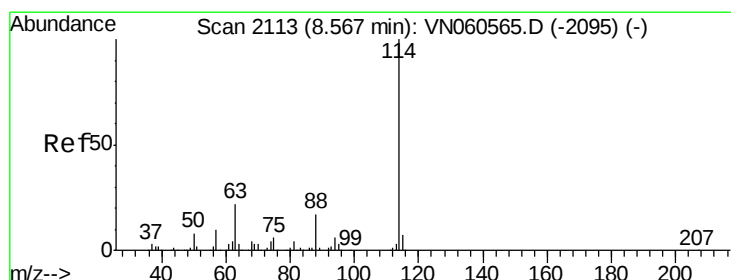
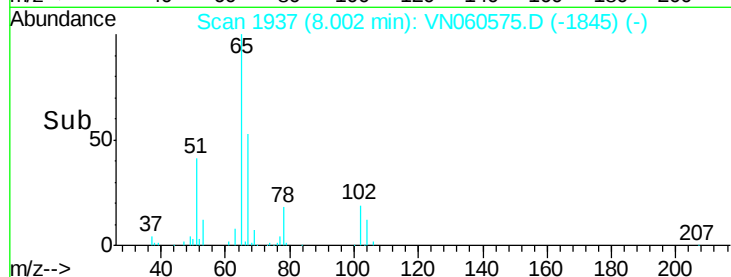
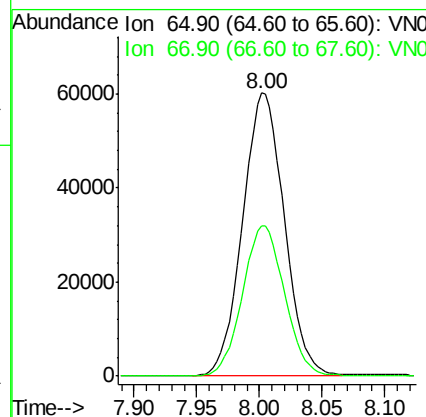
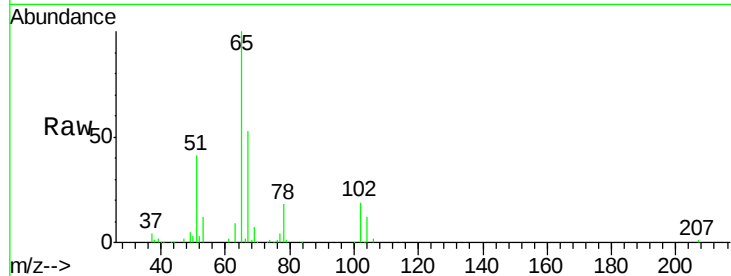
#33
 1,2-Dichloroethane-d4
 Concen: 49.893 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	139430		
67	53.5	0.0	107.6	

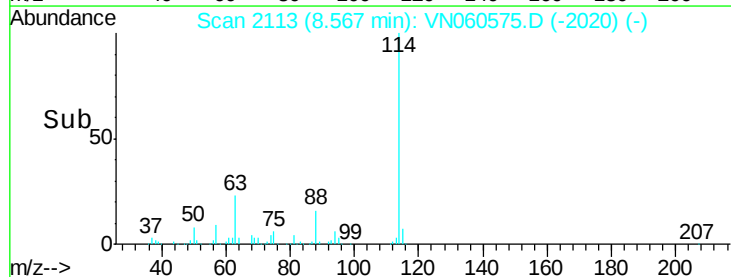
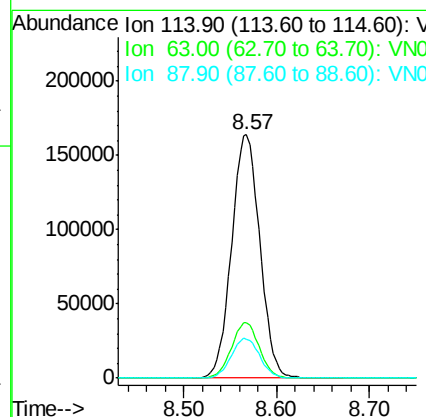
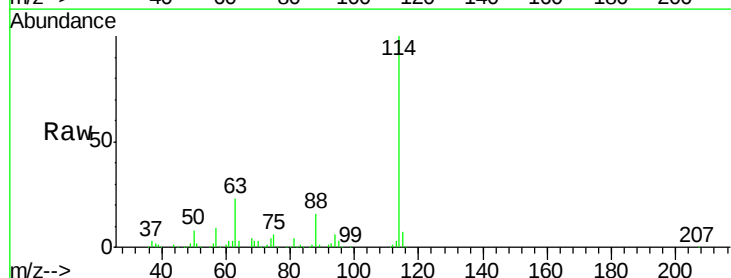
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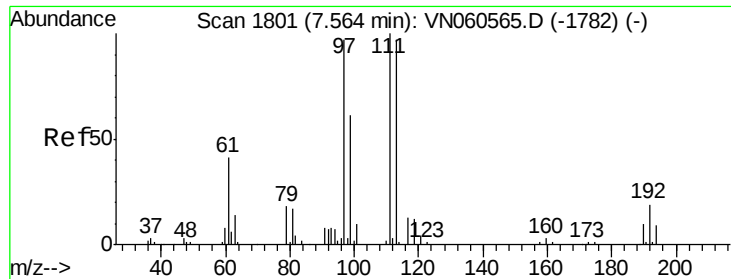
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	345999		
63	22.9	0.0	43.8	
88	16.1	0.0	33.0	





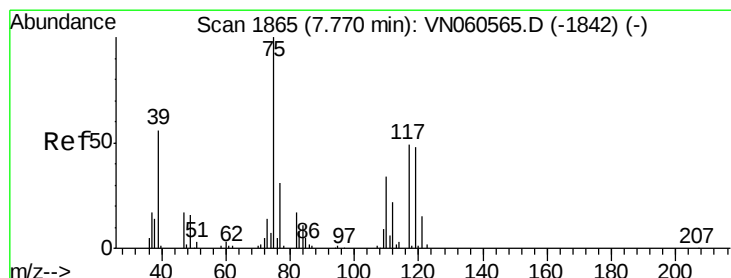
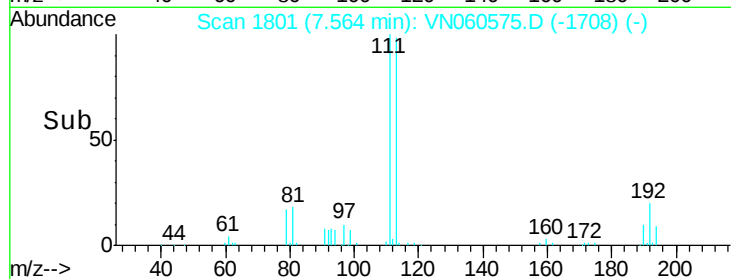
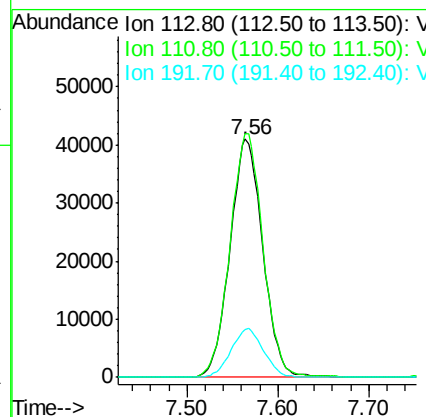
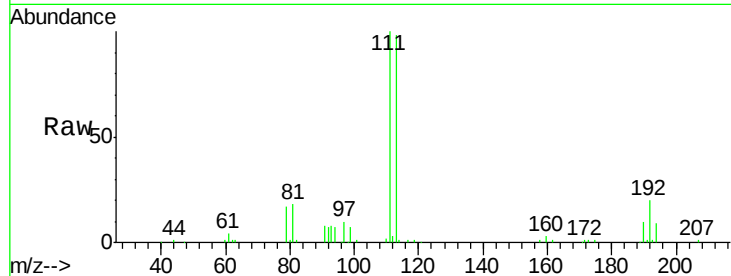
#35
 Dibromofluoromethane
 Concen: 49.114 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102753		
111	102.1	82.9	124.3	
192	20.1	15.8	23.8	

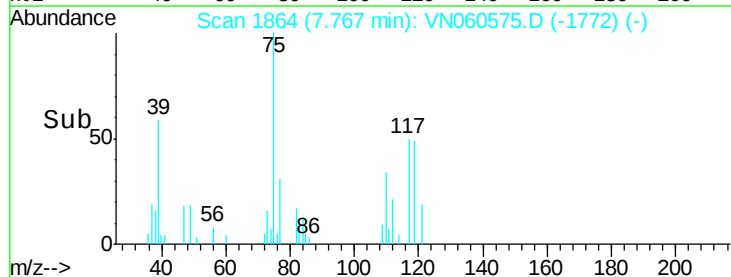
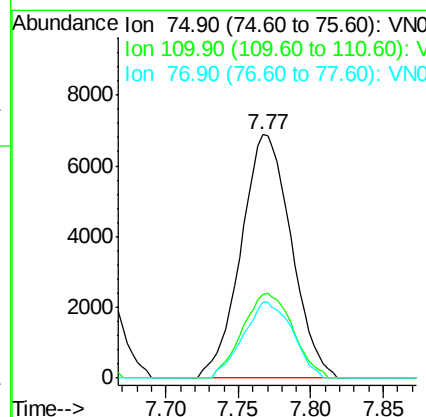
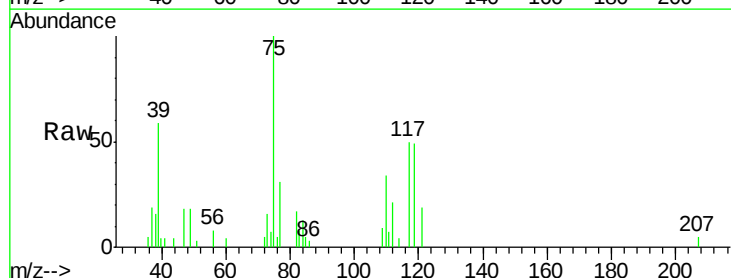
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 4.952 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16590		
110	34.9	16.9	50.6	
77	30.6	24.6	36.8	





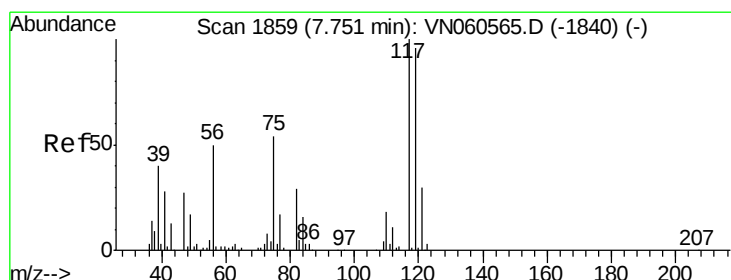
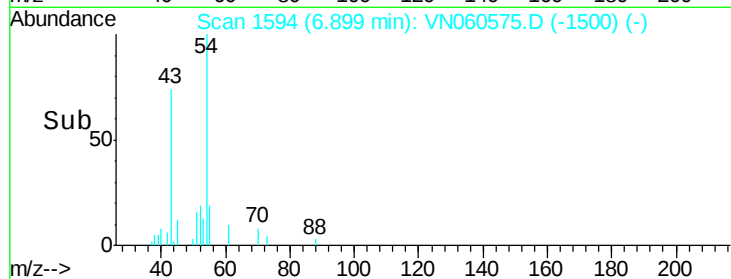
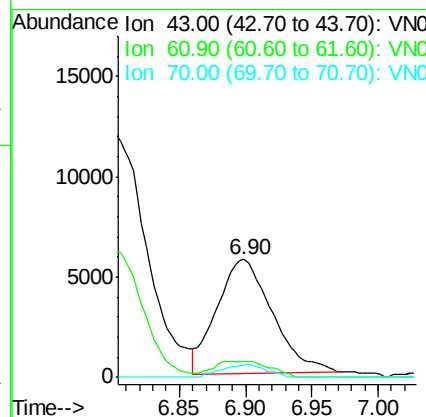
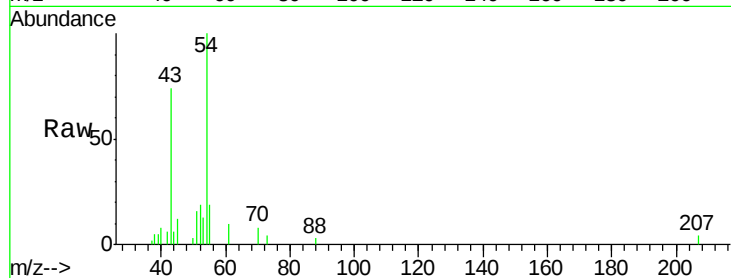
#37
Ethyl Acetate
Concen: 4.587 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	4.6	10.6	15.8#
70	8.9	7.9	11.9

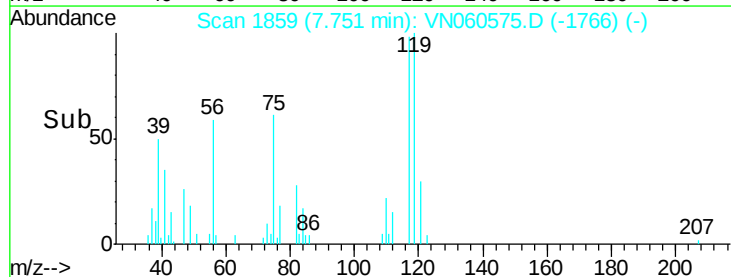
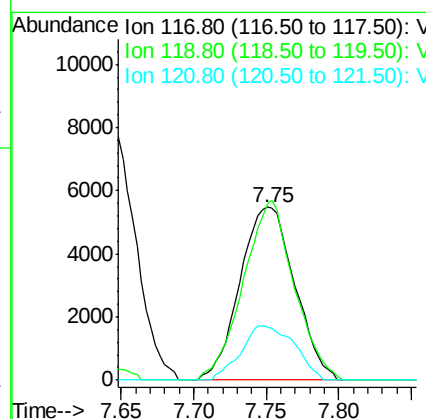
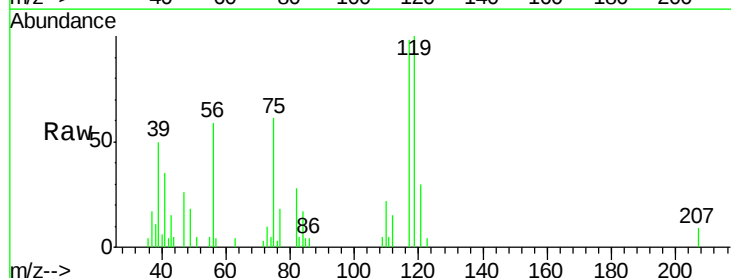
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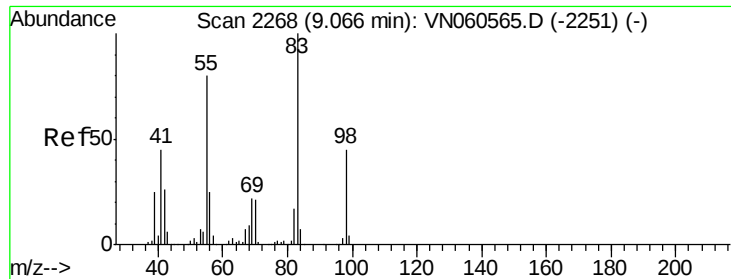
MMDadoda
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#38
Carbon Tetrachloride
Concen: 4.791 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.3	76.2	114.2
121	30.7	23.7	35.5





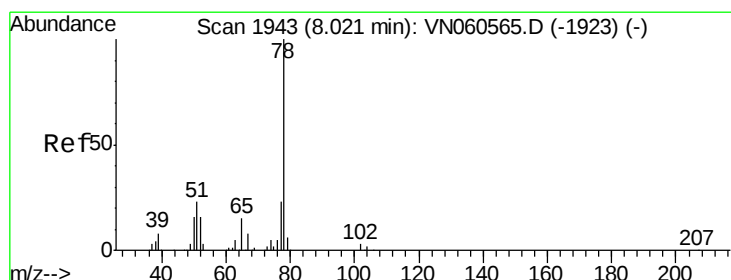
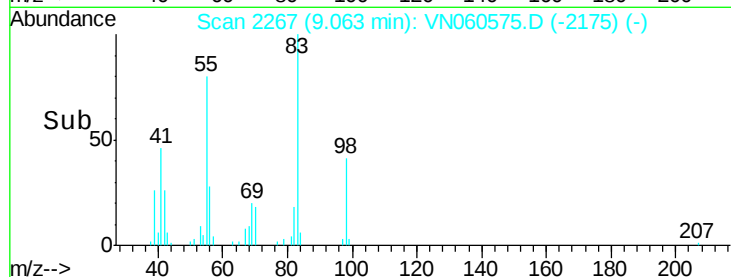
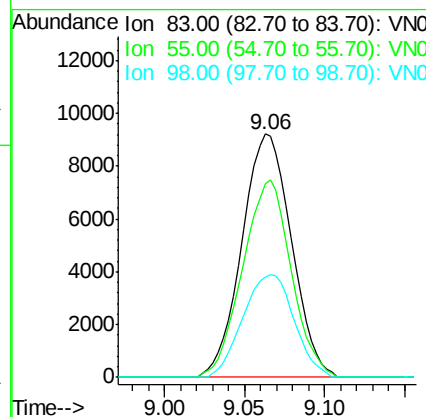
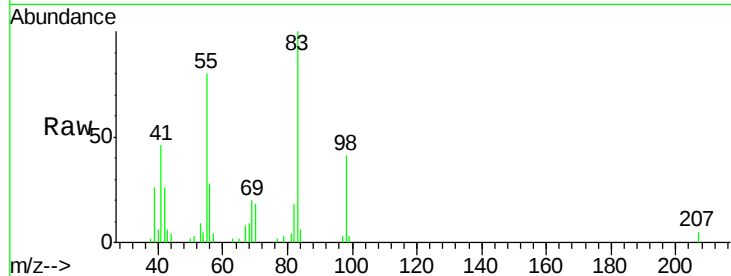
#39
Methvlcvclohexane
Concen: 4.898 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	83	Resp	19503
Ion Ratio	Lower	Upper	
83	100		
55	79.6	63.6	95.4
98	41.4	36.0	54.0

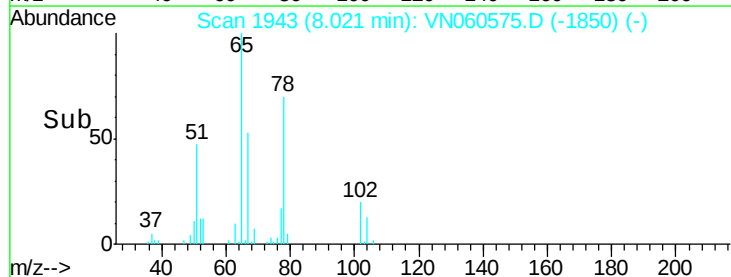
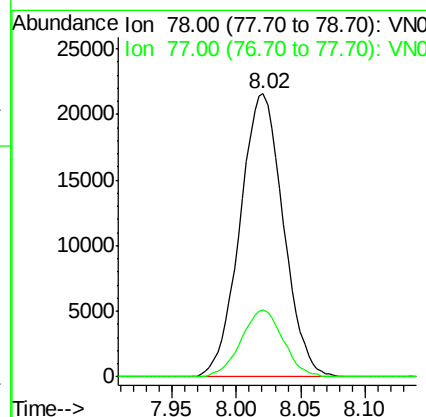
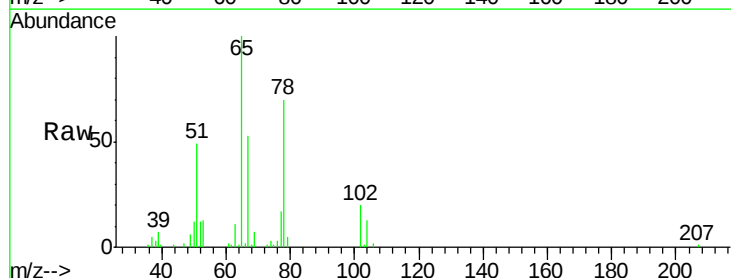
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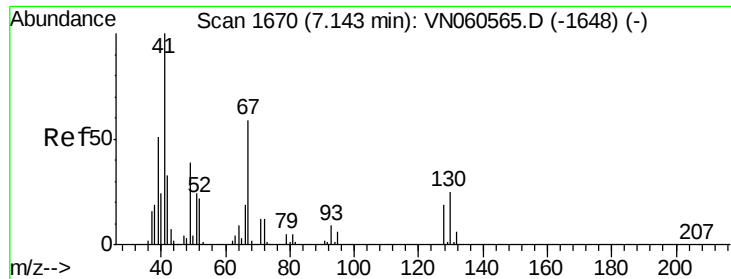
MMDadoda
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#40
Benzene
Concen: 4.990 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Tgt Ion	78	Resp	50469
Ion Ratio	Lower	Upper	
78	100		
77	23.7	18.6	28.0





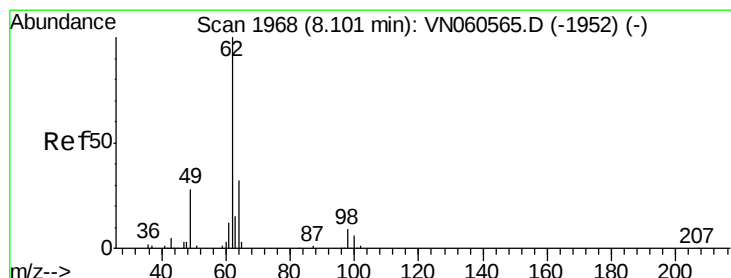
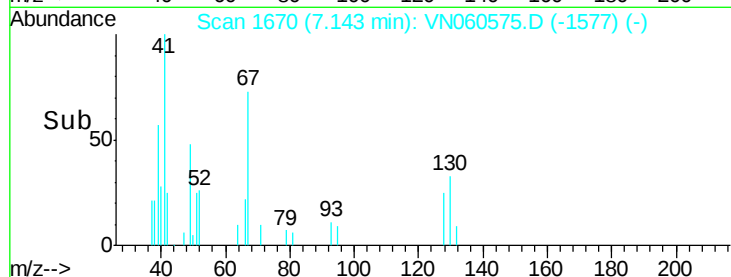
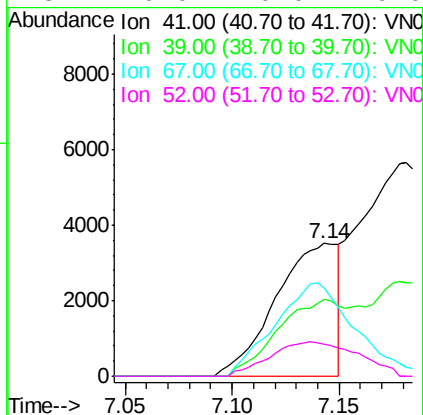
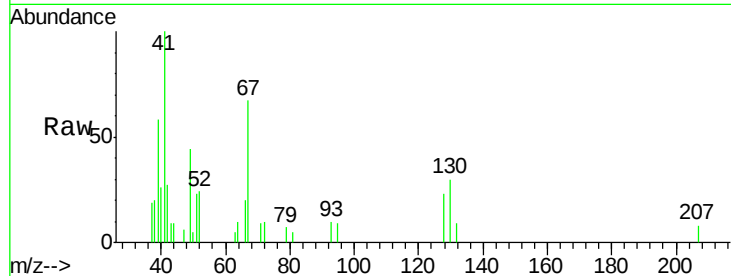
#41
Methacrylonitrile
Concen: 4.603 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	41	Resp:	7112
Ion	Ratio	Lower	Upper
41	100		
39	84.2	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

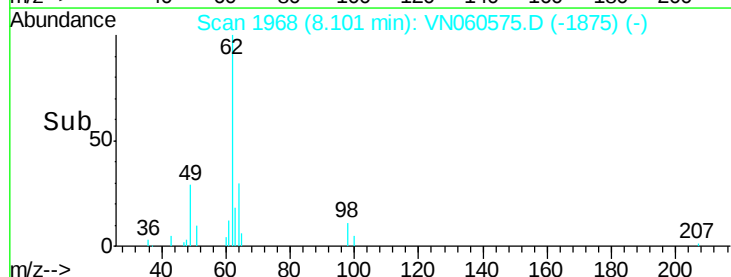
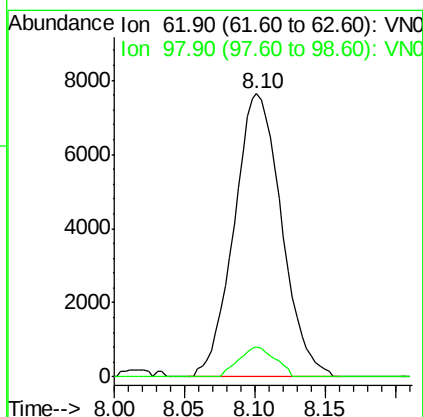
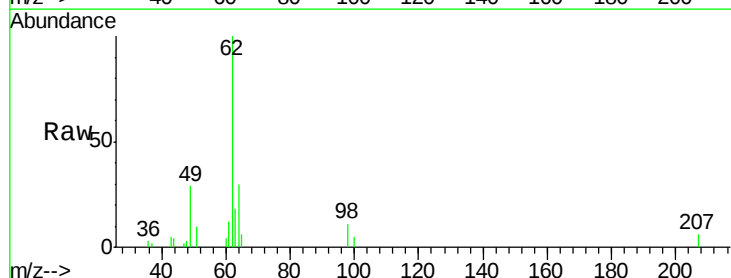
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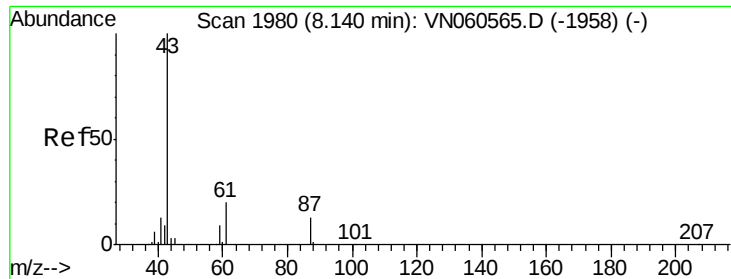
MMDadoda
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#42
1,2-Dichloroethane
Concen: 5.200 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Tgt Ion	62	Resp:	17973
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.8





#43

Isopropyl Acetate

Concen: 4.860 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Instrument :

MSVOA_N

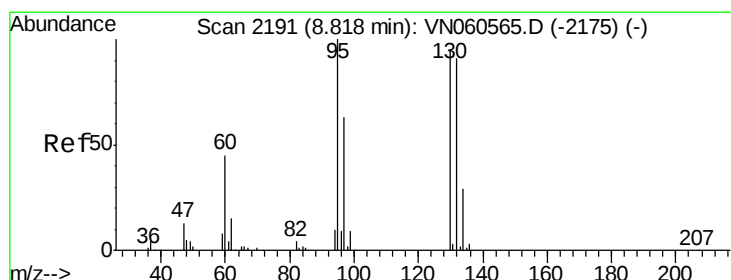
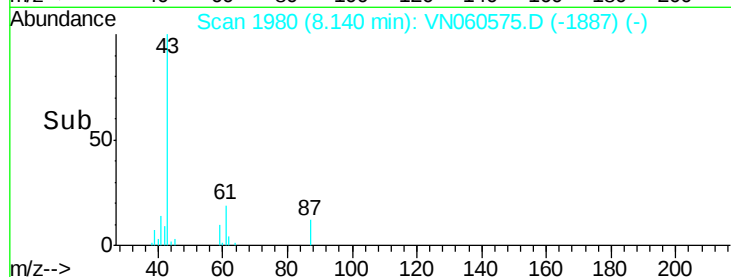
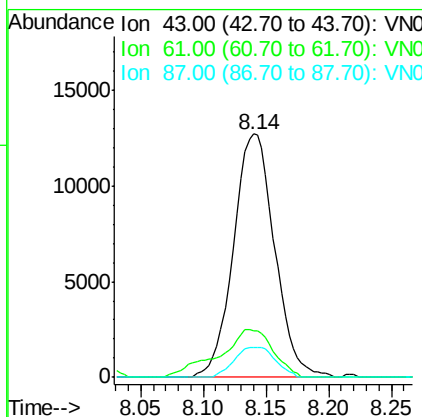
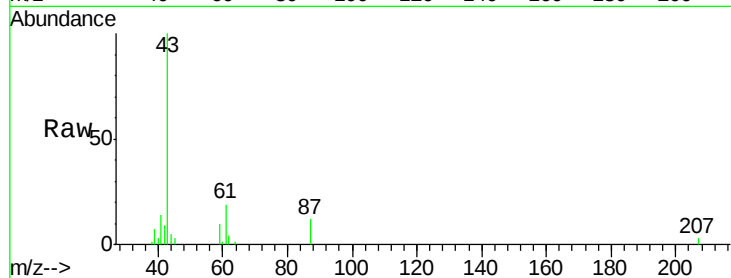
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	43	Resp:	29013
Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.7	31.1
87	12.3	9.8	14.8

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#44

Trichloroethene

Concen: 5.272 ug/l

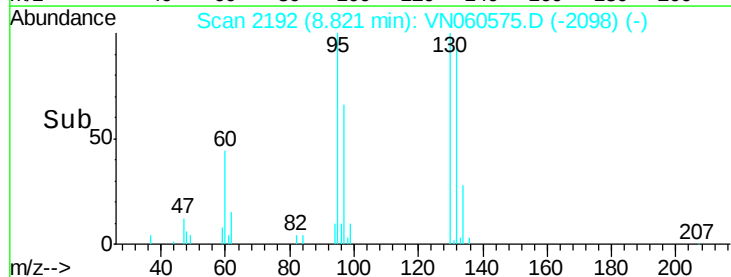
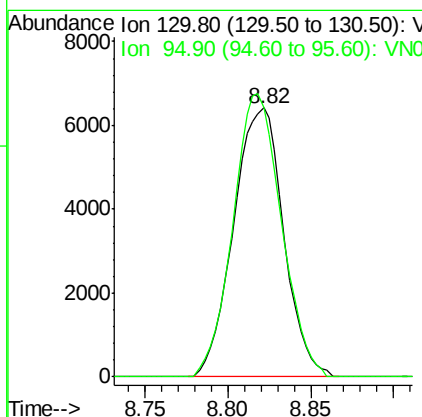
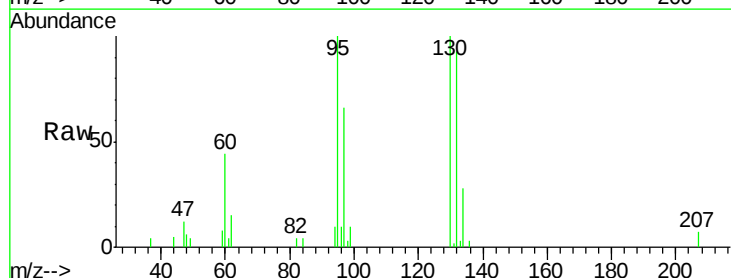
RT: 8.82 min Scan# 2192

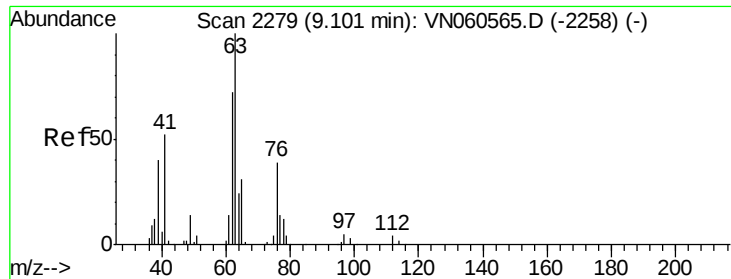
Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Tgt Ion:	130	Resp:	13441
Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	211.2





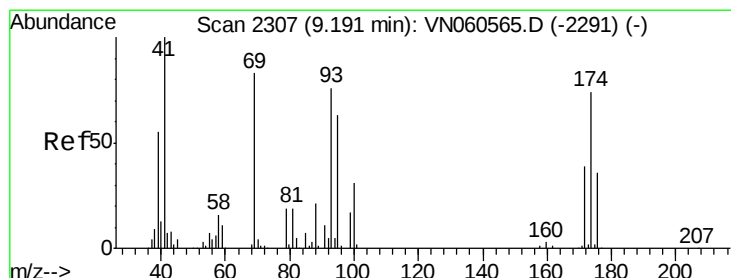
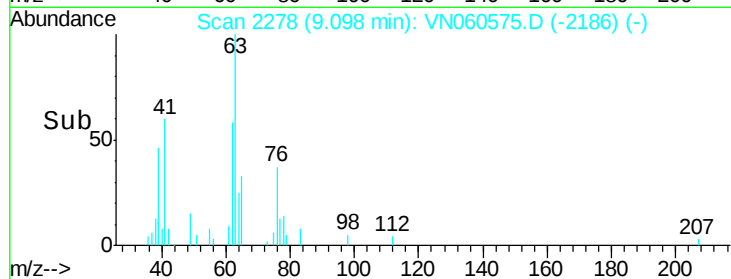
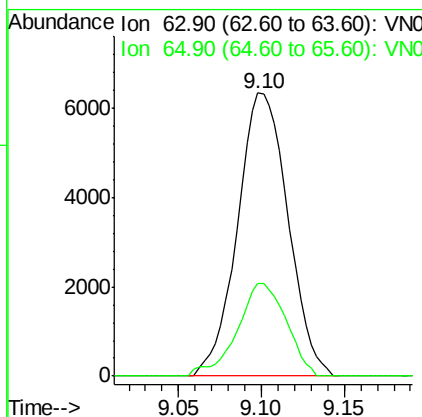
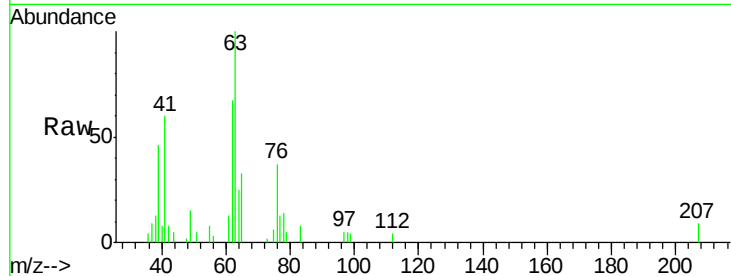
#45
 1,2-Dichloropropane
 Concen: 5.030 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion: 63 Resp: 13425
 Ion Ratio Lower Upper
 63 100
 65 32.8 25.4 38.0

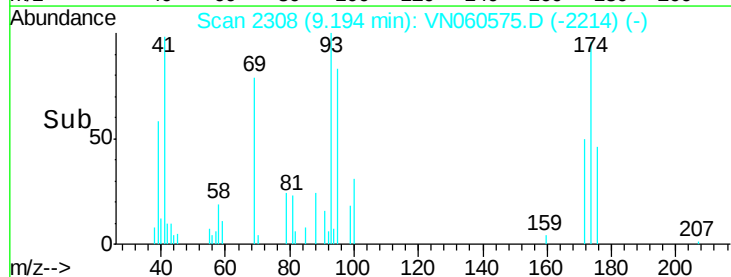
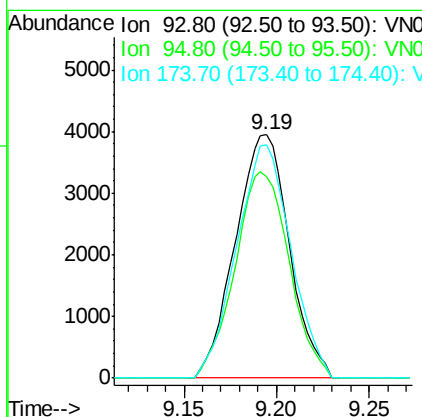
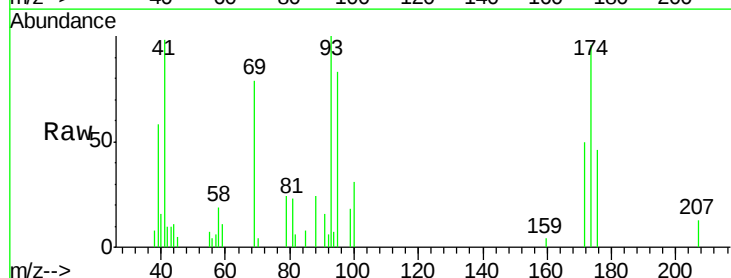
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#46
 Dibromomethane
 Concen: 4.939 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Tgt Ion: 93 Resp: 7968
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.2 99.4
 174 96.7 77.9 116.9





#47

Bromodichloromethane

Concen: 4.828 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Instrument :

MSVOA_N

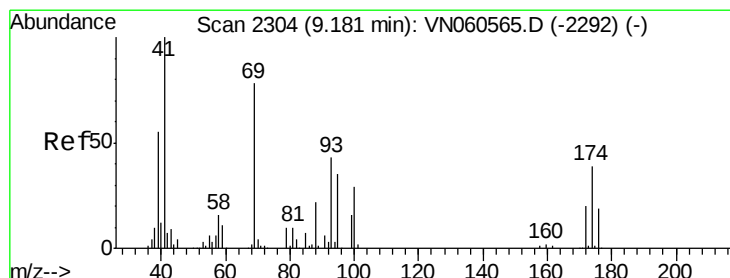
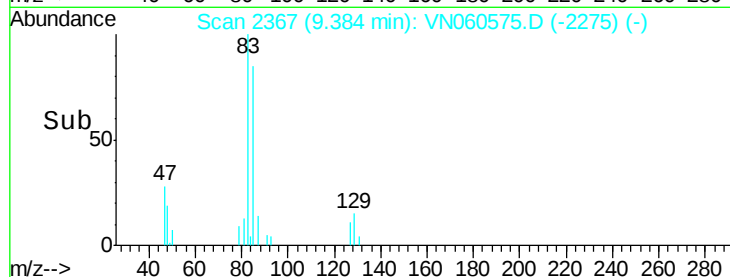
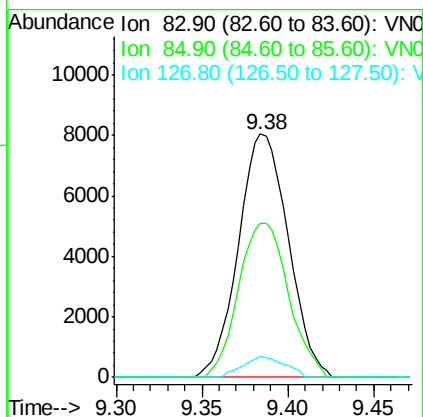
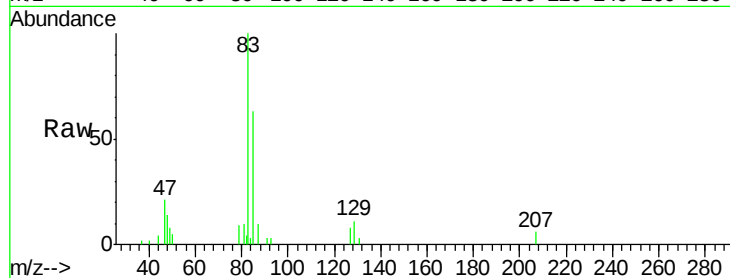
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	83	Resp:	16185
Ion Ratio	Lower	Upper	
83	100		
85	63.2	51.8	77.6
127	8.4	6.5	9.7

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#48

Methyl methacrylate

Concen: 4.771 ug/l

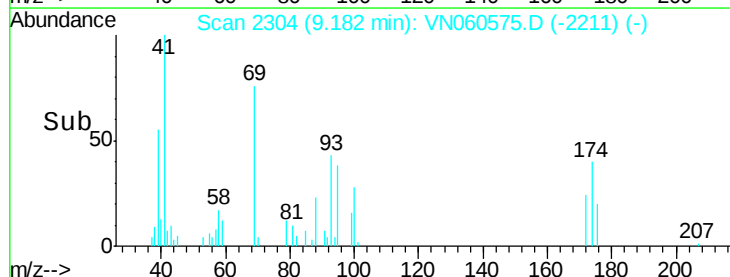
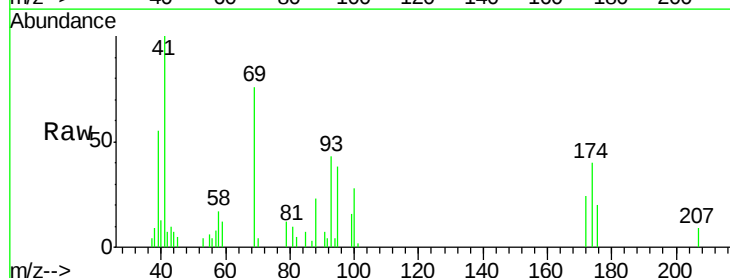
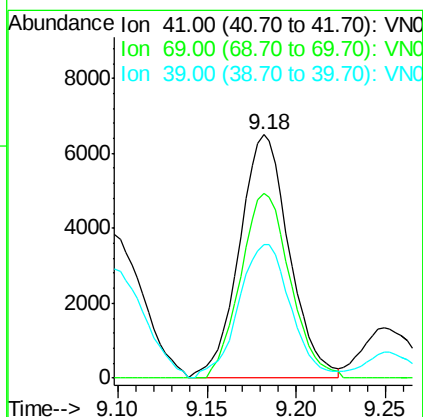
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Tgt Ion:	41	Resp:	12683
Ion Ratio	Lower	Upper	
41	100		
69	75.4	65.4	98.0
39	57.3	44.0	66.0





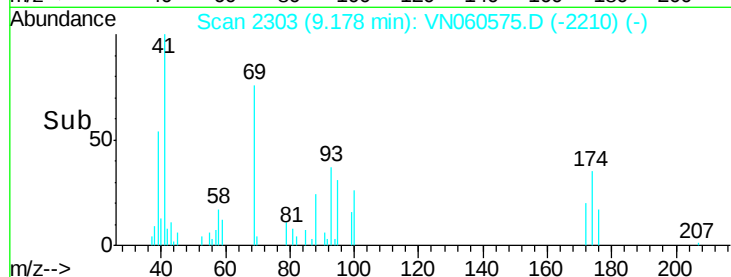
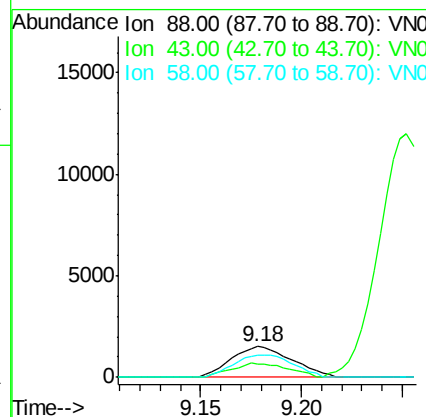
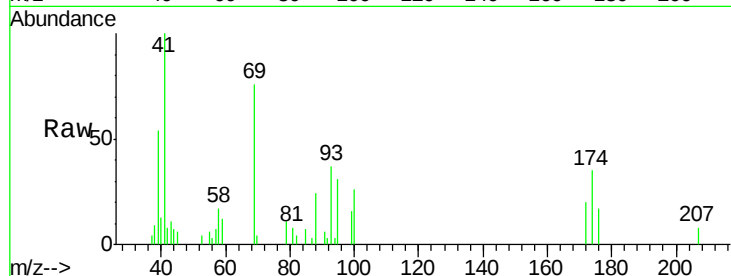
#49
 1,4-Dioxane
 Concen: 100.965 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.3	30.8	46.2
58	70.6	59.8	89.8

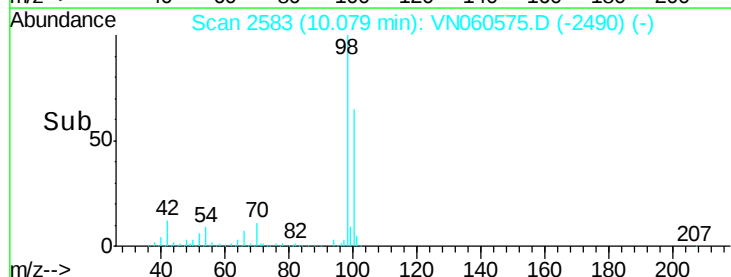
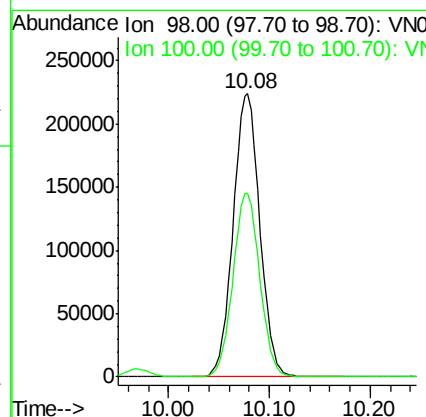
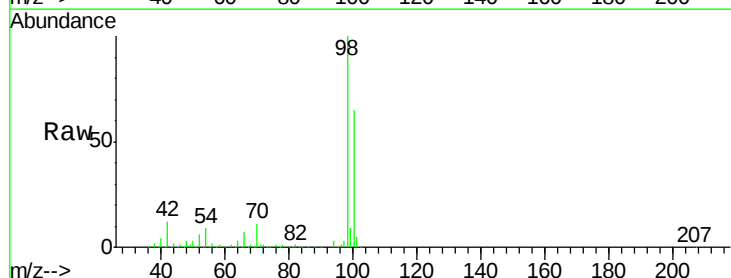
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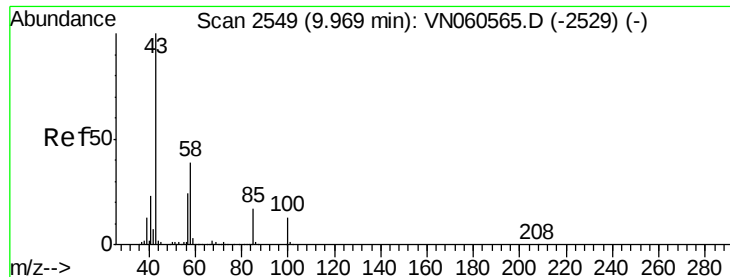
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#50
 Toluene-d8
 Concen: 48.123 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. 0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 23.707 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 43 Resp: 80541

Ion Ratio Lower Upper

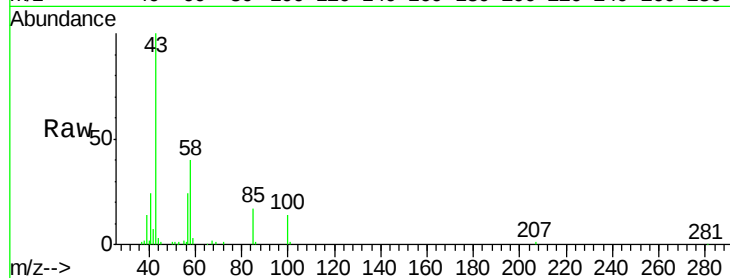
43 100

58 38.4 30.8 46.2

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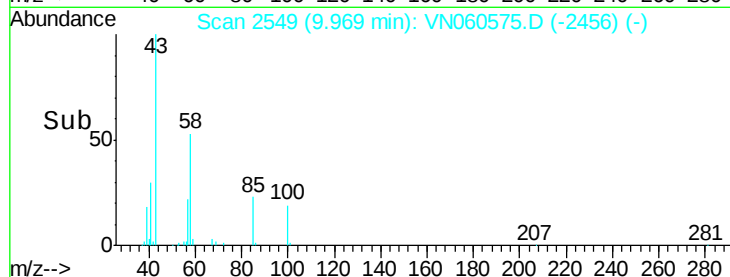


Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)

9.97

Time-->

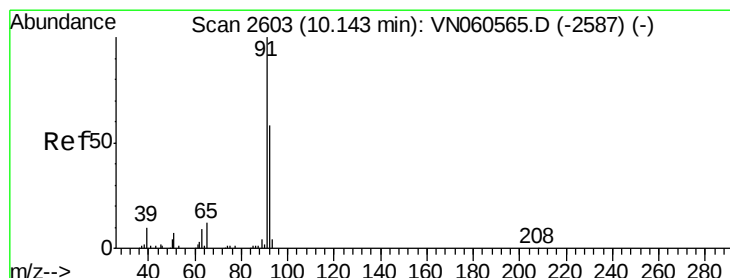


Abundance Ion 43.00 (42.70 to 43.70): VN060575.D (-2456) (-)

Ion 58.00 (57.70 to 58.70): VN060575.D (-2456) (-)

9.97

Time-->



#52

Toluene

Concen: 4.890 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060575.D

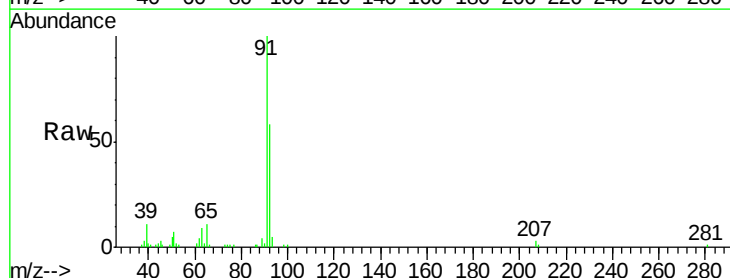
Acq: 17 Mar 2020 23:44

Tgt Ion: 92 Resp: 29869

Ion Ratio Lower Upper

92 100

91 176.0 137.6 206.4

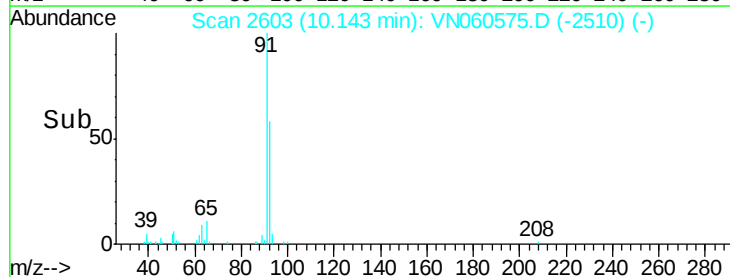


Abundance Ion 92.00 (91.70 to 92.70): VN060565.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN060565.D (-2587) (-)

10.14

Time-->

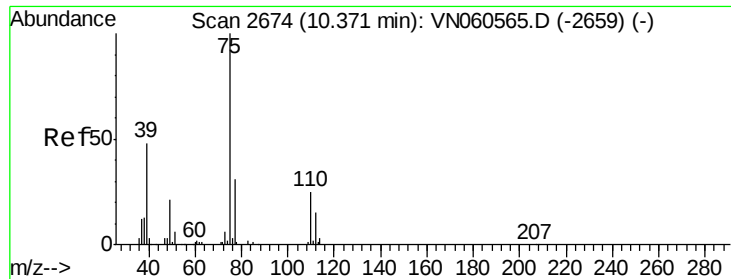


Abundance Ion 92.00 (91.70 to 92.70): VN060575.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060575.D (-2510) (-)

10.14

Time-->



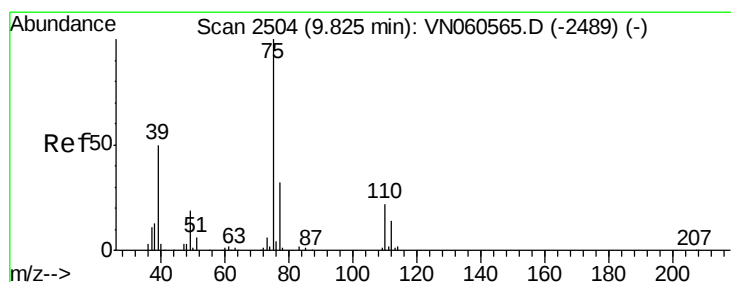
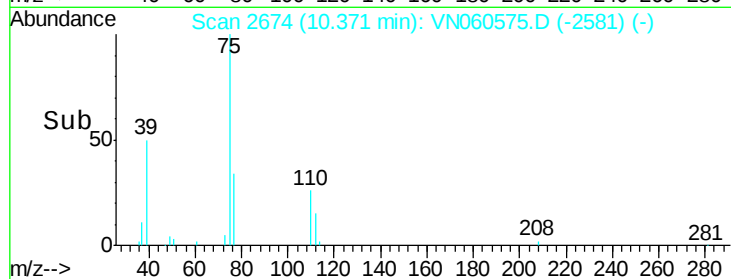
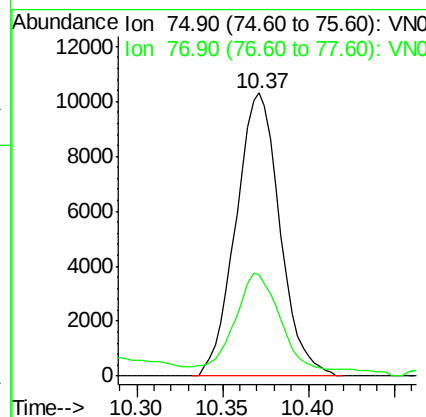
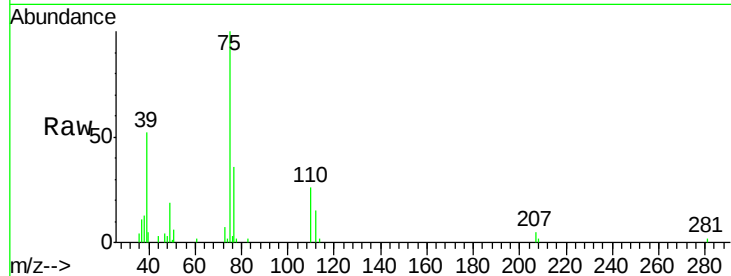
#53
t-1,3-Dichloropropene
Concen: 4.763 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion: 75 Resp: 18342
Ion Ratio Lower Upper
75 100
77 33.5 25.1 37.7

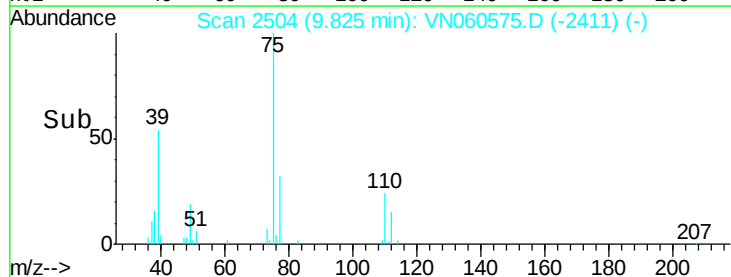
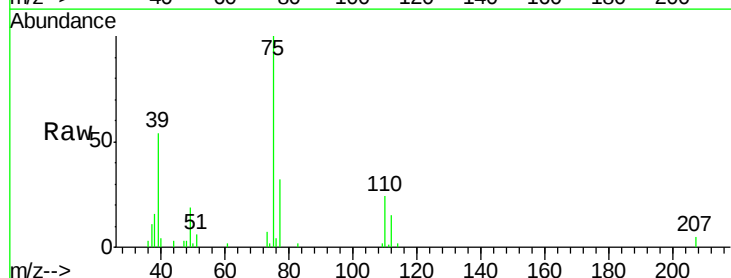
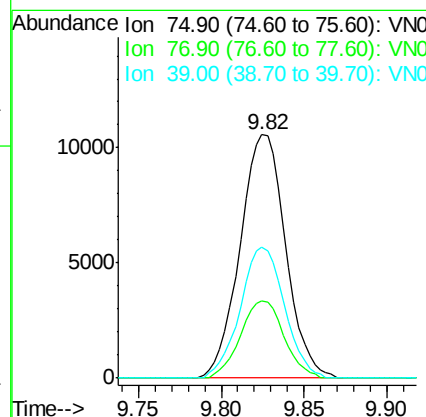
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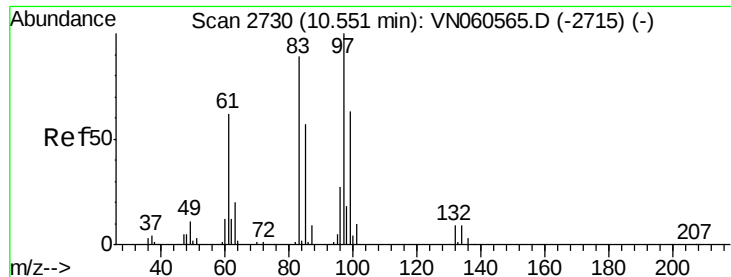
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#54
cis-1,3-Dichloropropene
Concen: 4.789 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Tgt Ion: 75 Resp: 20233
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0
39 53.6 40.2 60.4





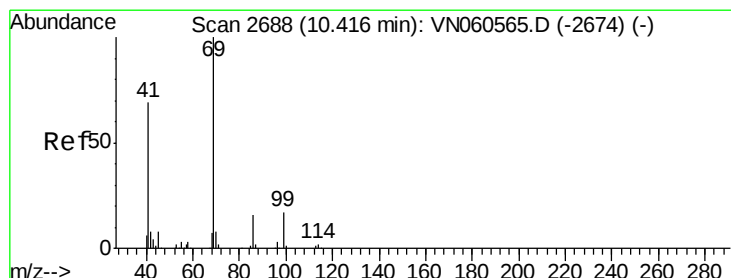
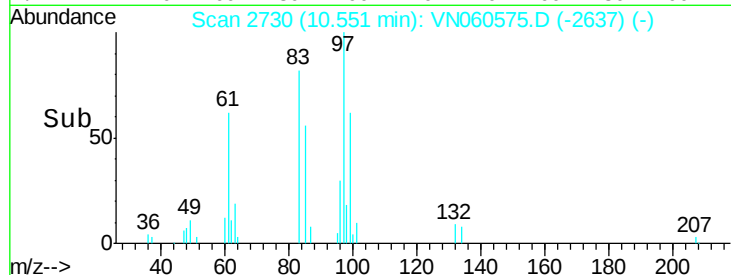
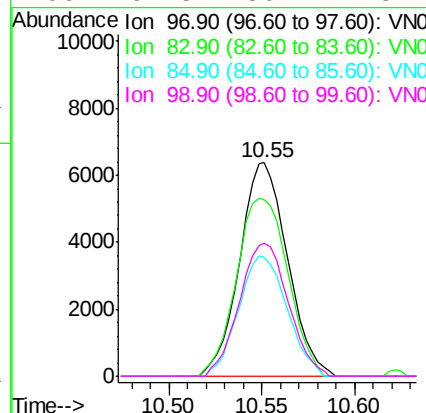
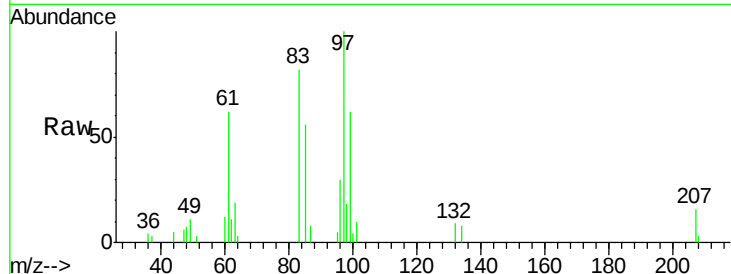
#55
 1,1,2-Trichloroethane
 Concen: 4.862 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		11424		
83	82.4	71.3	106.9		
85	55.5	45.2	67.8		
99	62.5	50.1	75.1		

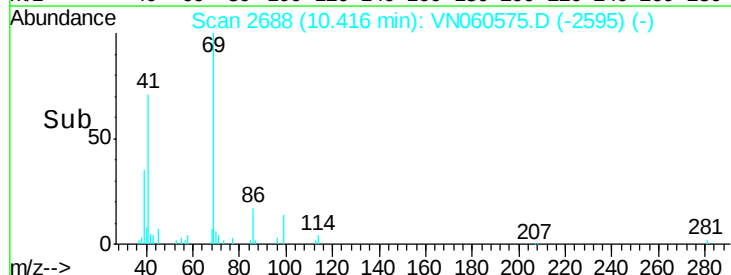
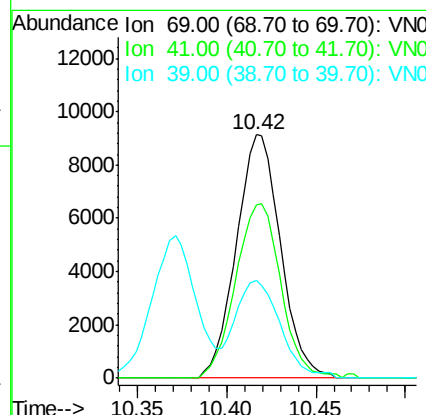
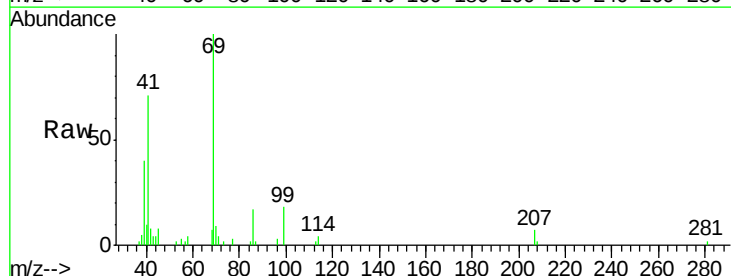
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#56
 Ethyl methacrylate
 Concen: 4.302 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		15764		
41	73.3	55.4	83.2		
39	40.5	29.4	44.0		





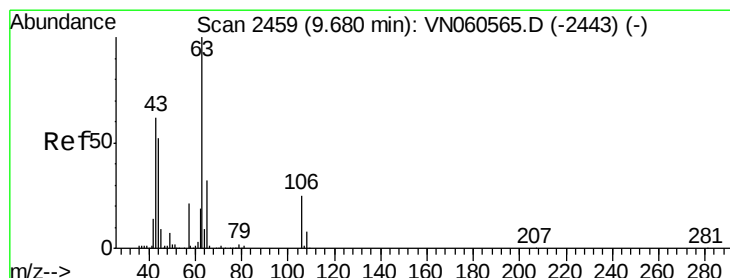
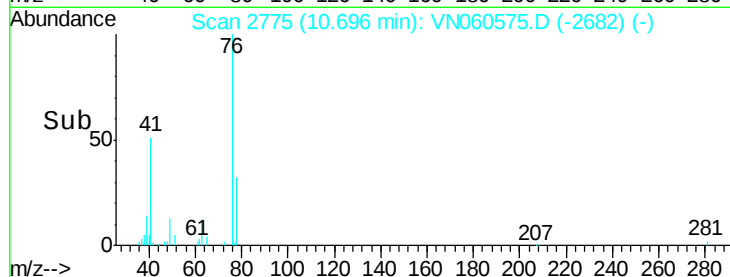
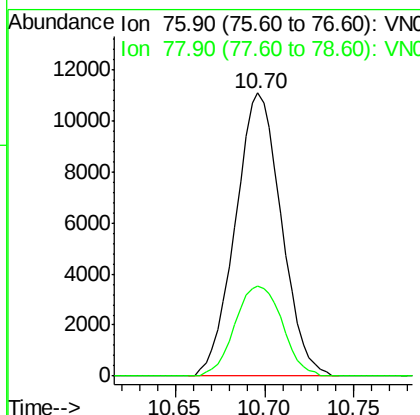
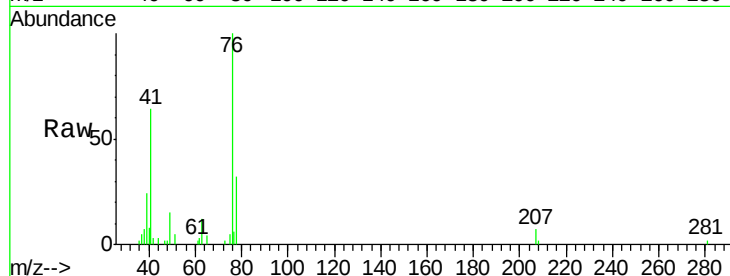
#57
 1,3-Dichloropropane
 Concen: 4.889 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.6

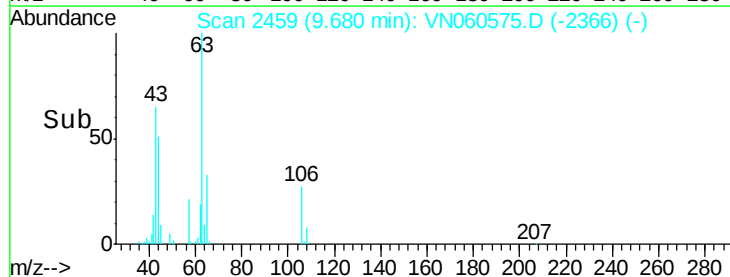
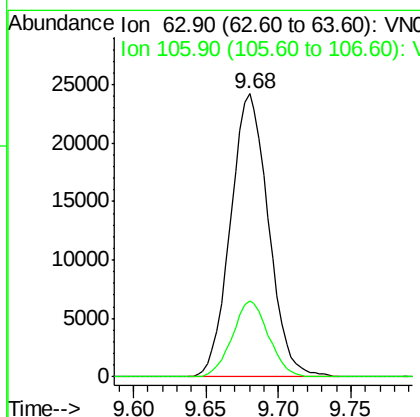
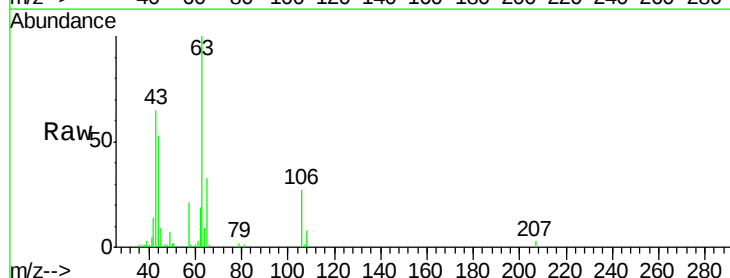
Manual Integrations
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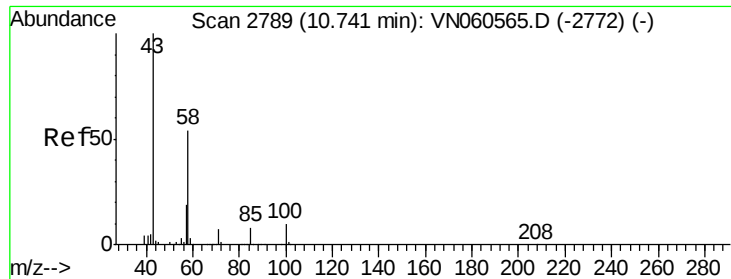
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#58
 2-Chloroethyl Vinyl ether
 Concen: 24.180 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.6	20.0	30.0





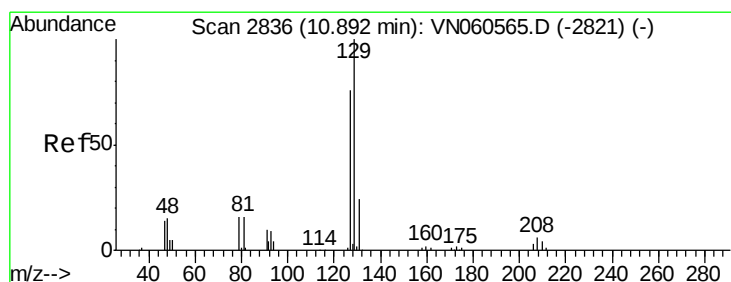
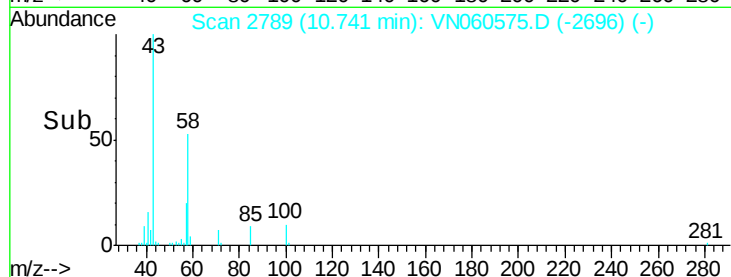
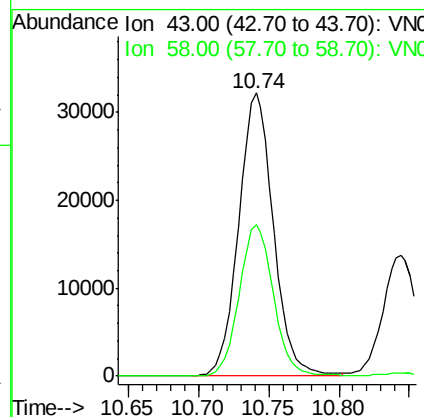
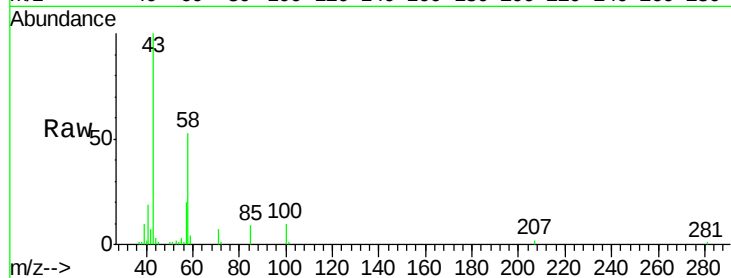
#59
2-Hexanone
Concen: 22.712 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion: 43 Resp: 55583
Ion Ratio Lower Upper
43 100
58 52.8 26.7 80.1

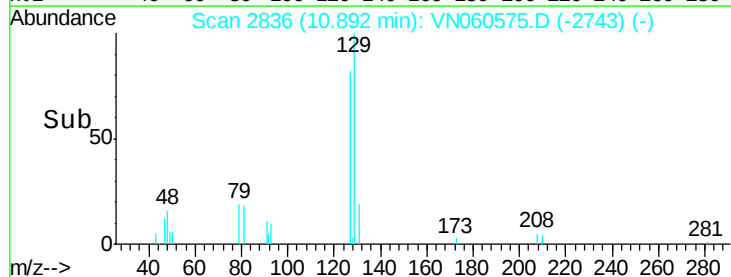
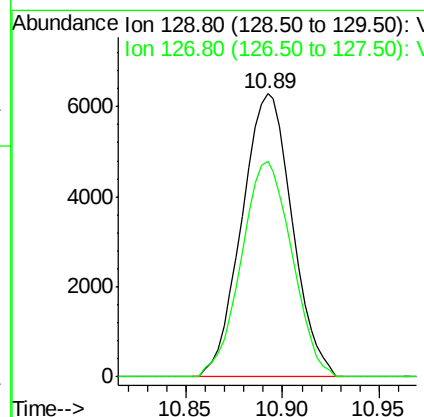
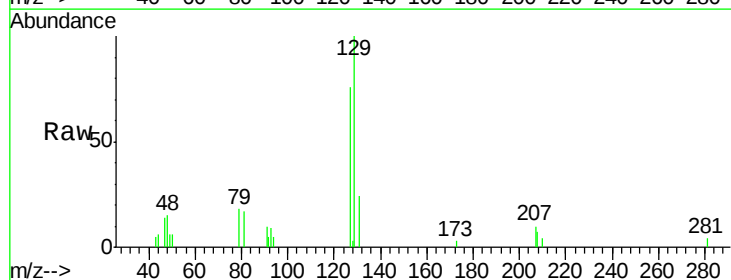
Manual Integrations
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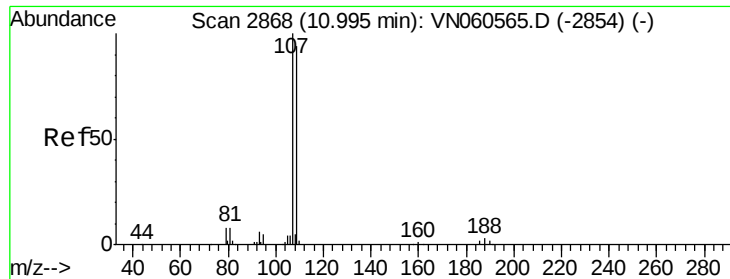
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#60
Dibromochloromethane
Concen: 4.692 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Tgt Ion: 129 Resp: 11389
Ion Ratio Lower Upper
129 100
127 76.3 38.5 115.5





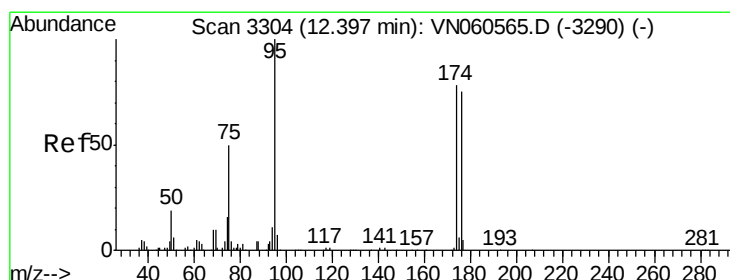
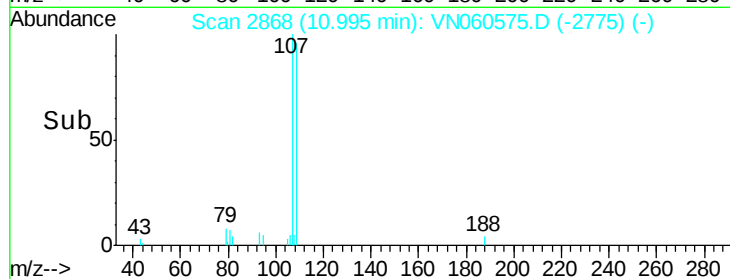
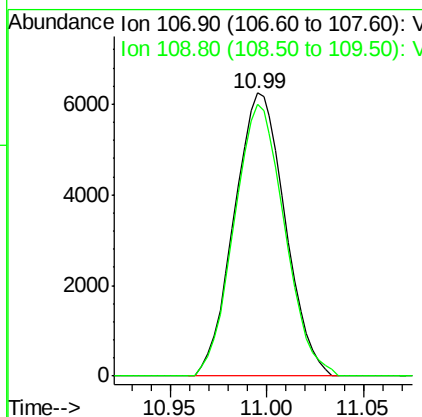
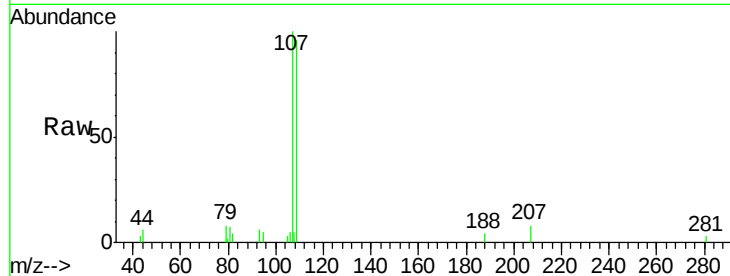
#61
 1,2-Dibromoethane
 Concen: 4.844 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.4	113.2

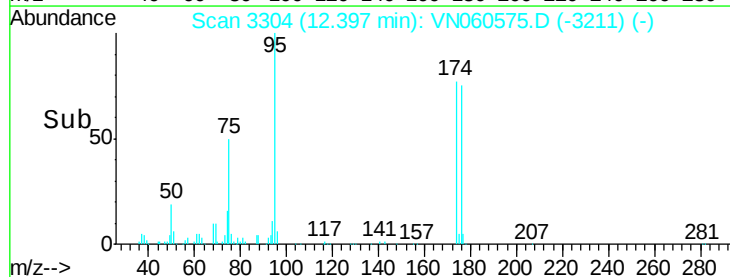
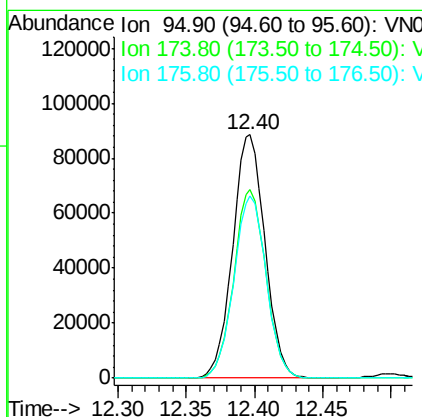
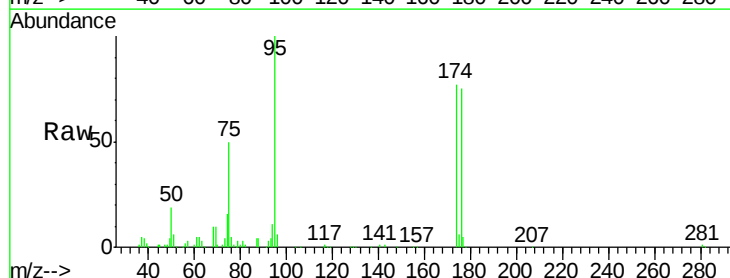
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#62
 4-Bromofluorobenzene
 Concen: 46.383 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.9	0.0	157.6
176	75.0	0.0	150.6





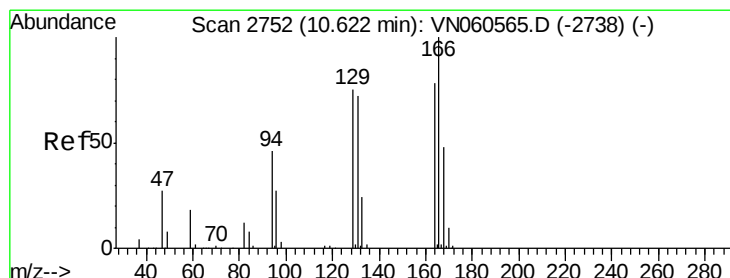
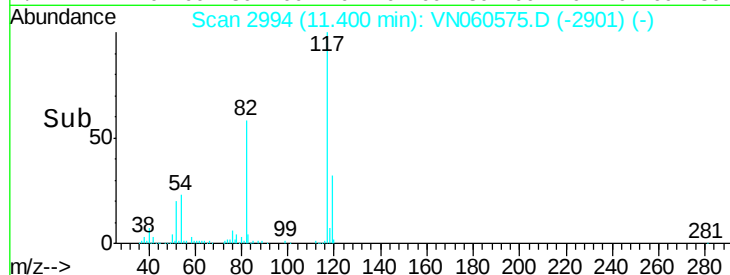
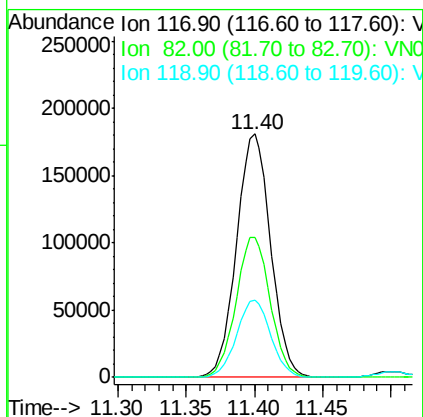
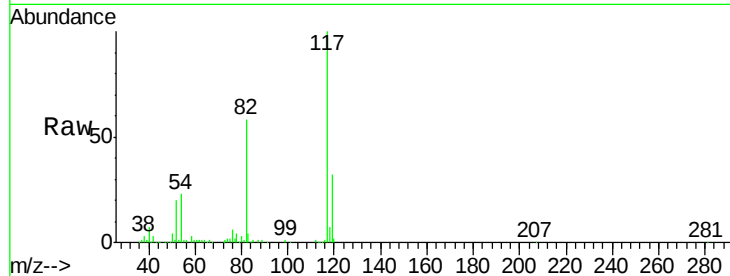
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	313955		
82	57.6	46.7	70.1	
119	31.8	25.5	38.3	

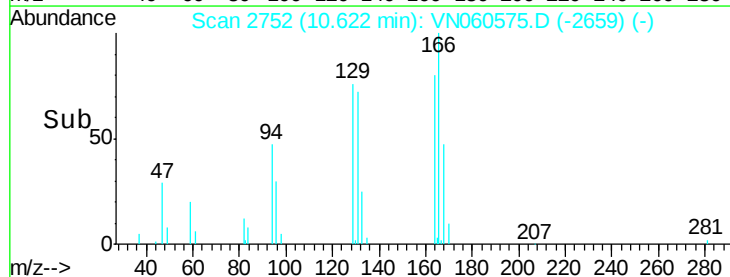
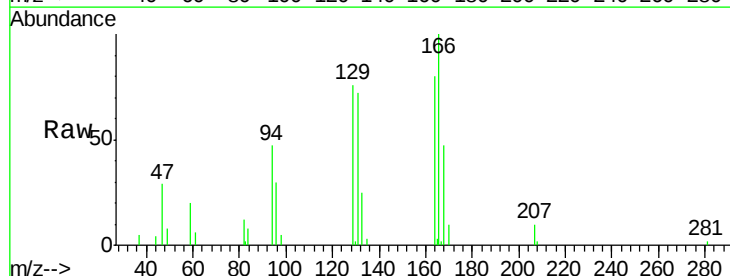
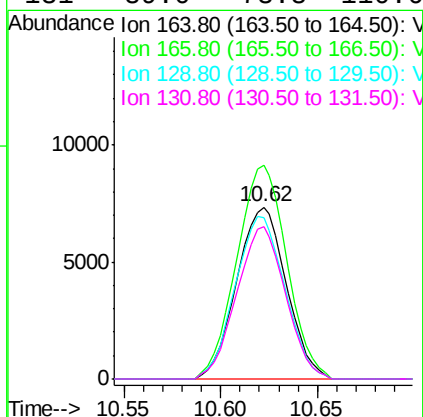
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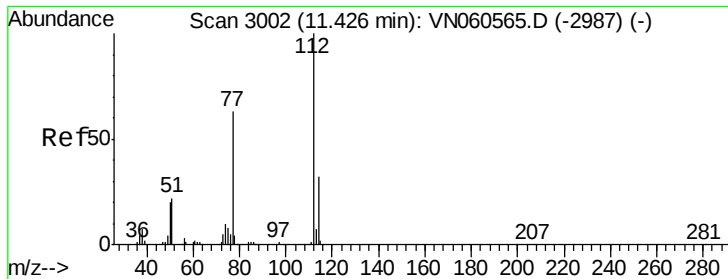
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#64
Tetrachloroethene
Concen: 5.311 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	13120		
166	124.5	102.7	154.1	
129	94.3	77.2	115.8	
131	89.0	73.8	110.6	





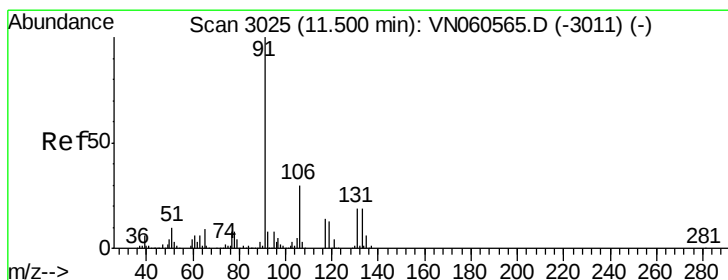
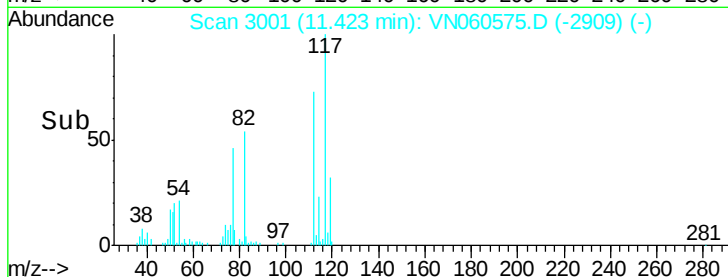
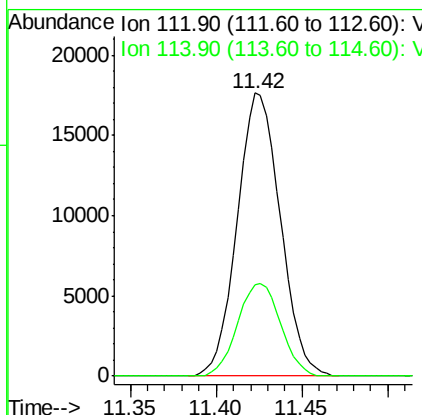
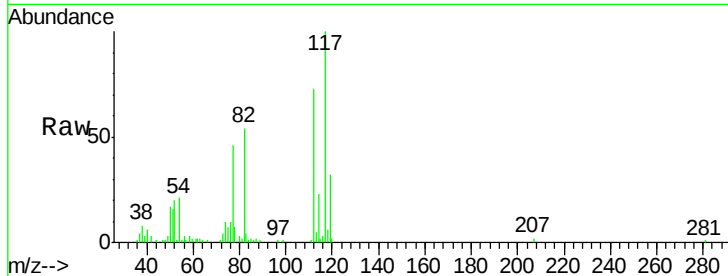
#65
Chlorobenzene
Concen: 4.943 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.6

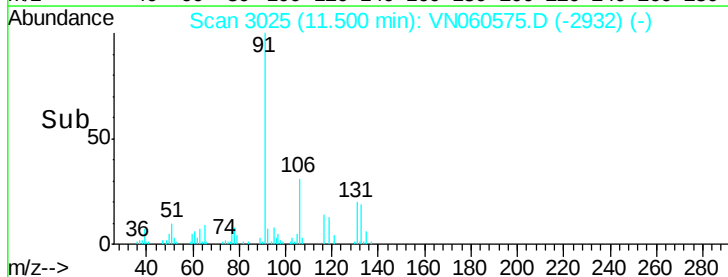
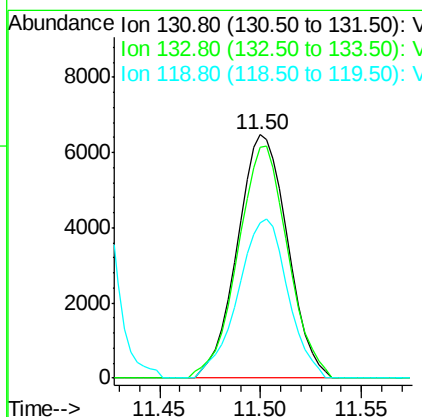
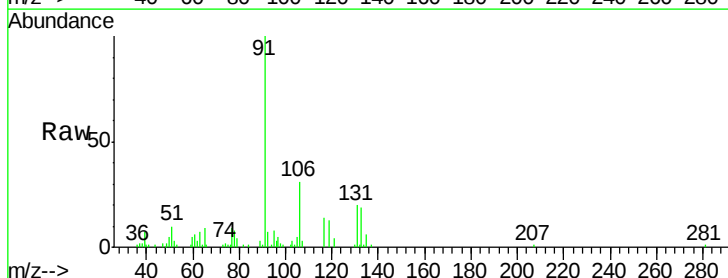
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.995 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.9	146.8
119	64.9	33.9	101.7





#67

Ethyl Benzene

Concen: 4.969 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 91 Resp: 57511

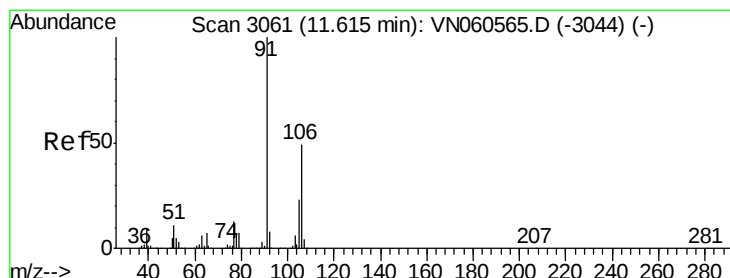
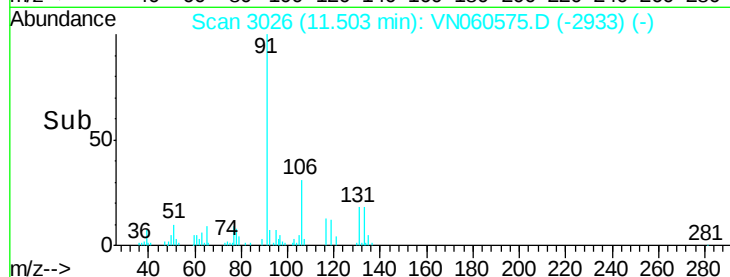
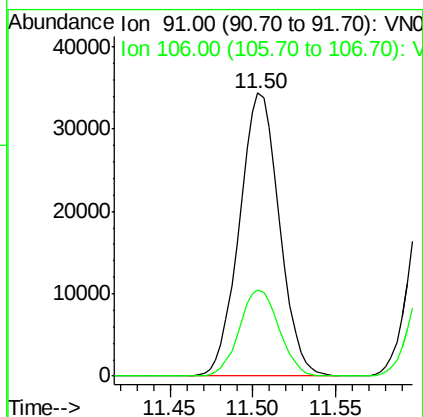
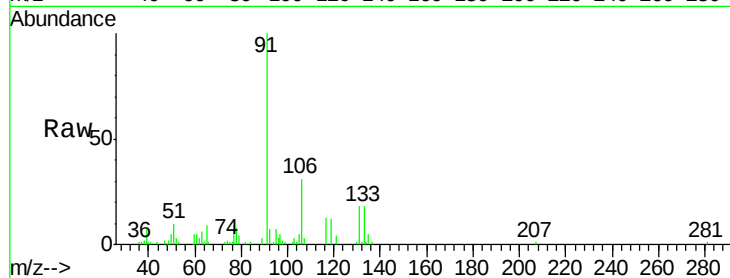
Ion Ratio Lower Upper

91 100

106 30.5 24.2 36.2

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#68

m/p-Xylenes

Concen: 9.656 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060575.D

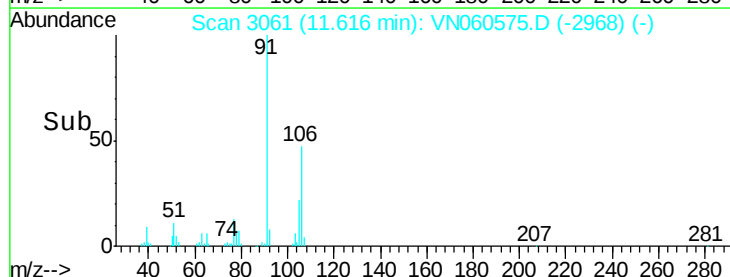
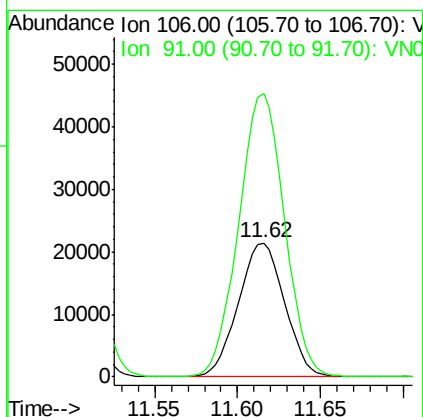
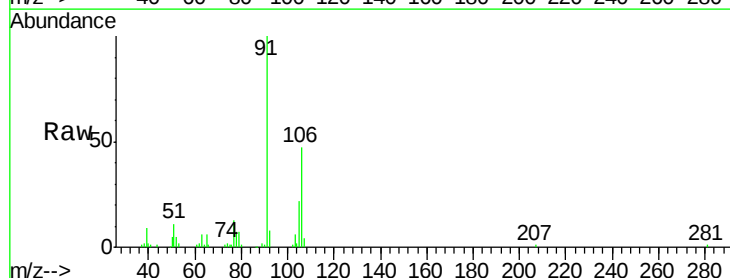
Acq: 17 Mar 2020 23:44

Tgt Ion: 106 Resp: 41531

Ion Ratio Lower Upper

106 100

91 208.9 165.0 247.4





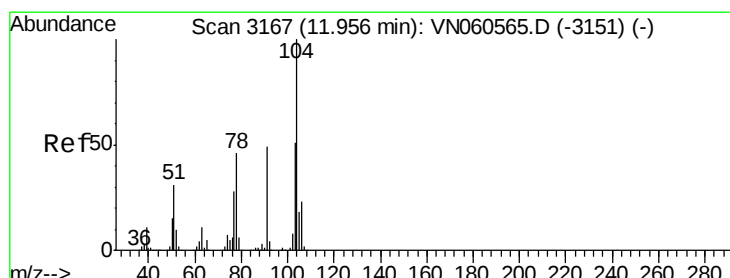
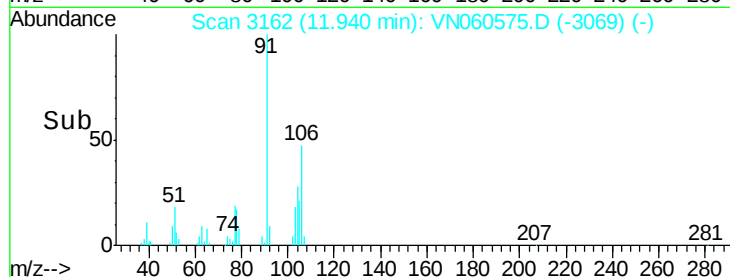
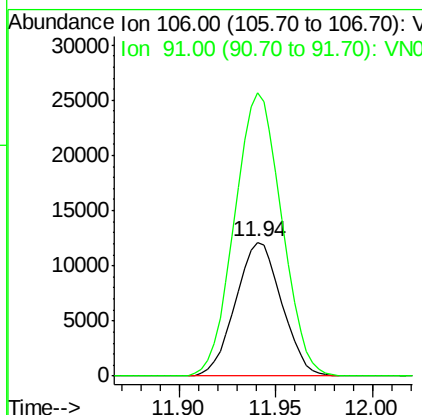
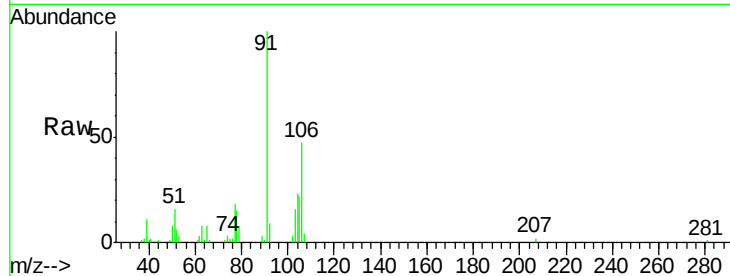
#69
o-Xylene
Concen: 4.913 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion:106 Resp: 20171
Ion Ratio Lower Upper
106 100
91 215.8 109.5 328.4

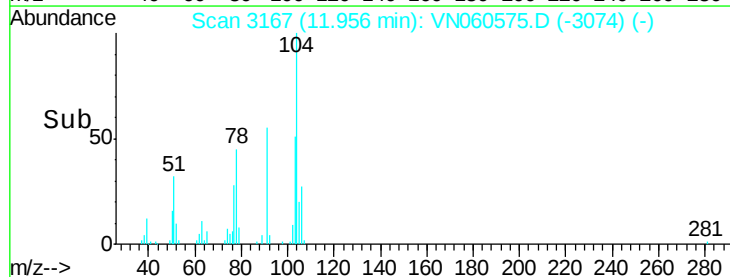
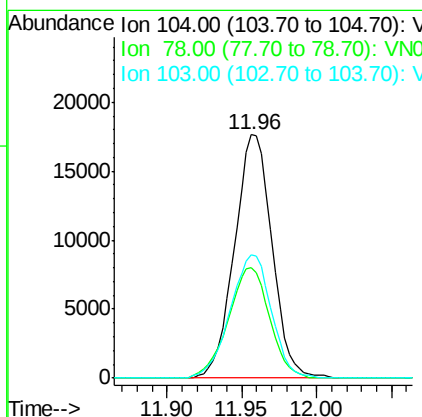
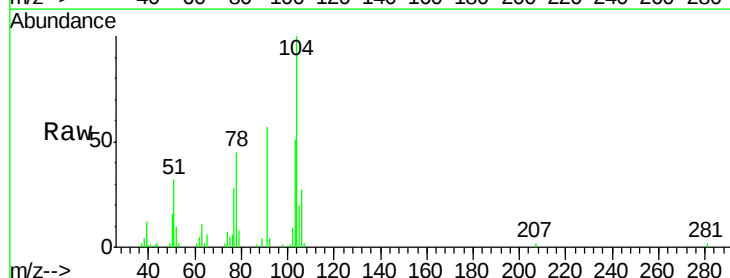
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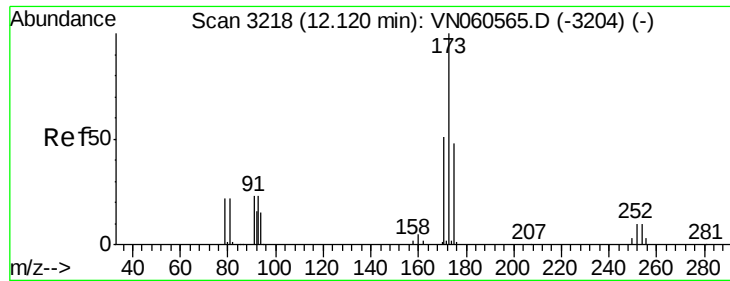
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#70
Styrene
Concen: 4.597 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Tgt Ion:104 Resp: 30867
Ion Ratio Lower Upper
104 100
78 49.8 41.2 61.8
103 55.4 44.0 66.0





#71

Bromoform

Concen: 4.475 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Instrument :

MSVOA_N

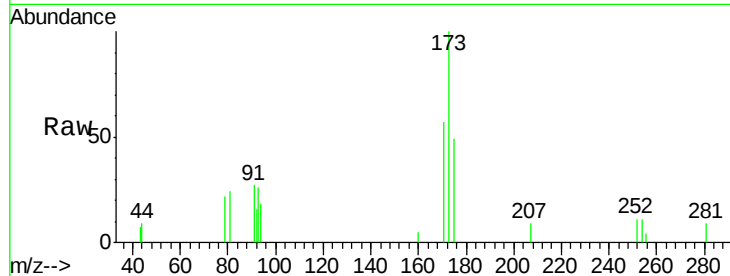
ClientSampleId :

LOQ-WATER-02-QT1-2020

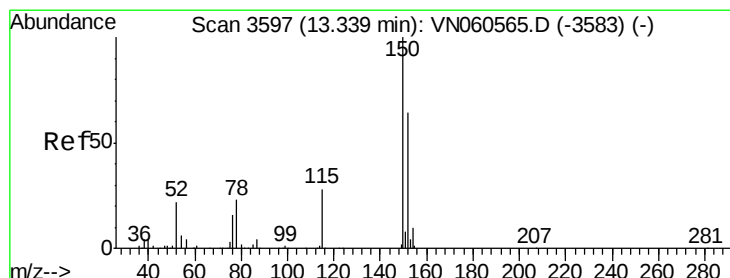
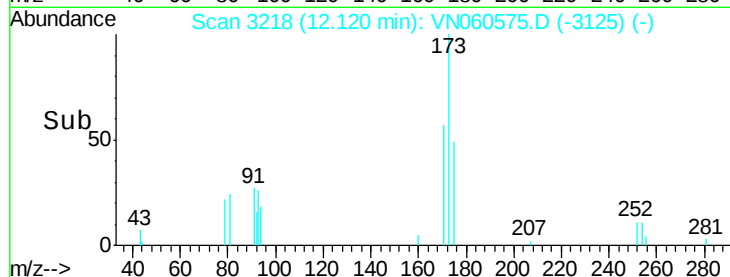
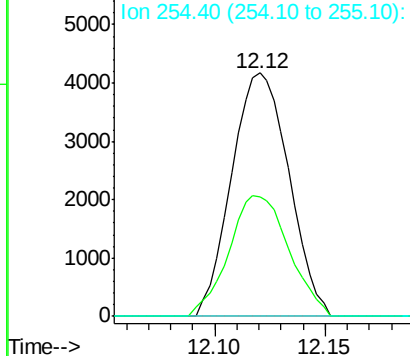
Tot Ion:	173	Resp:	7525
Ion Ratio	Lower	Upper	
173	100		
175	51.8	24.1	72.4
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

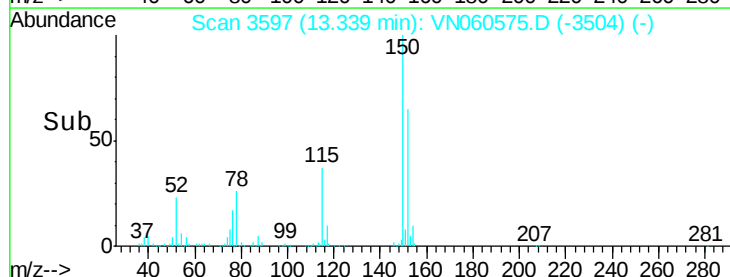
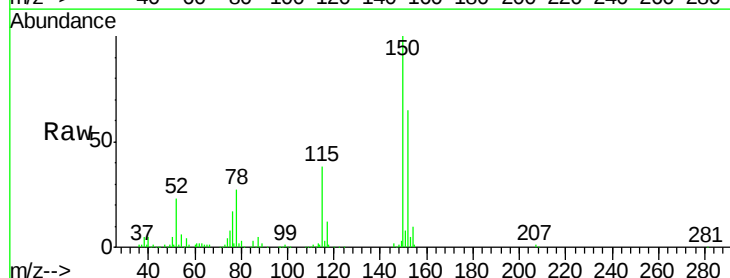
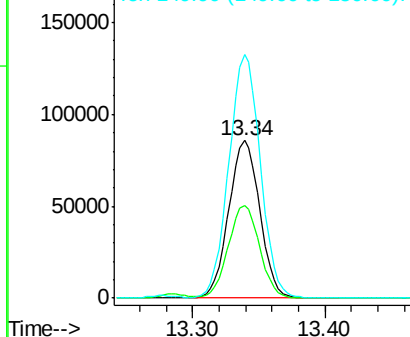
Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Tgt Ion:	152	Resp:	139499
Ion Ratio	Lower	Upper	
152	100		
115	59.3	30.2	90.6
150	157.0	0.0	350.2

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





#73

Isopropylbenzene

Concen: 5.035 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 105 Resp: 52712

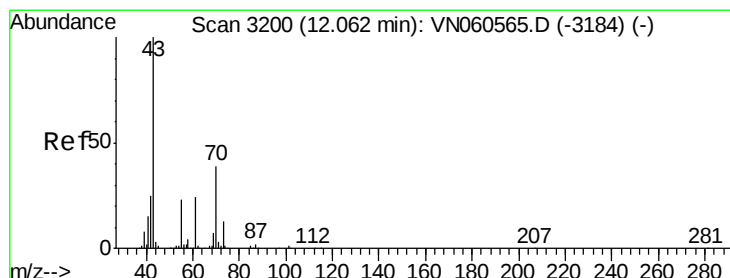
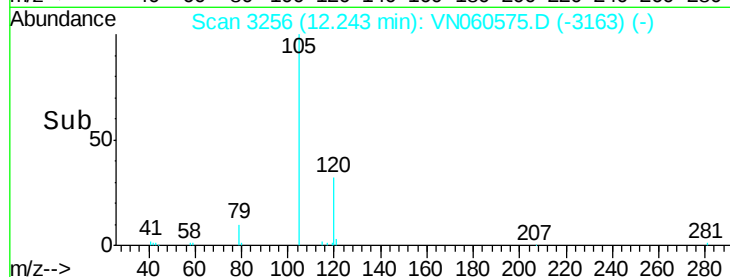
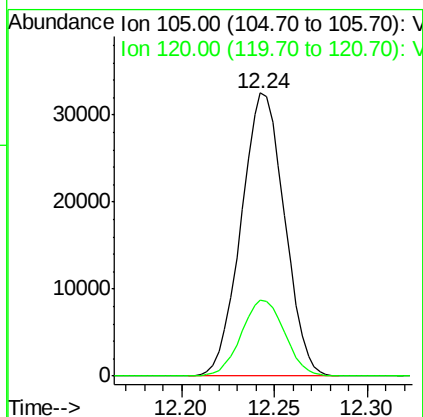
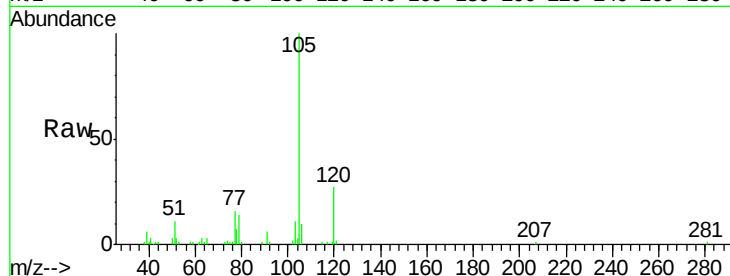
Ion Ratio Lower Upper

105 100

120 26.8 13.1 39.1

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#74

N-ethyl acetate

Concen: 4.582 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Tgt Ion: 43 Resp: 22167

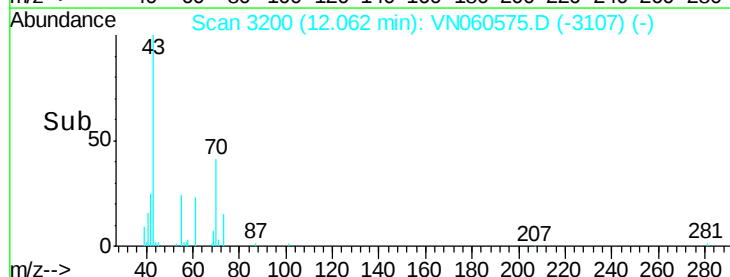
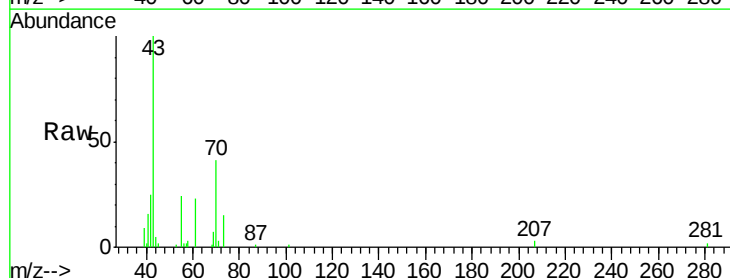
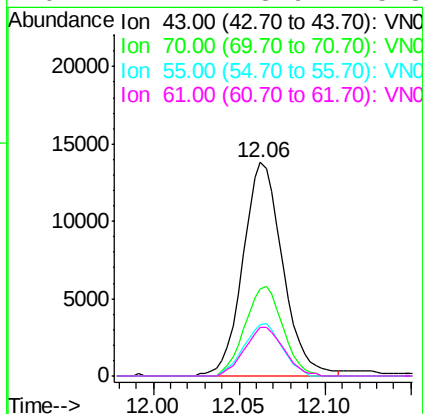
Ion Ratio Lower Upper

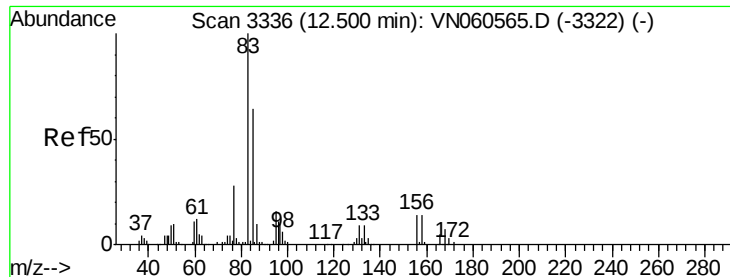
43 100

70 39.8 31.1 46.7

55 23.3 18.6 27.8

61 22.2 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 4.974 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Instrument :

MSVOA_N

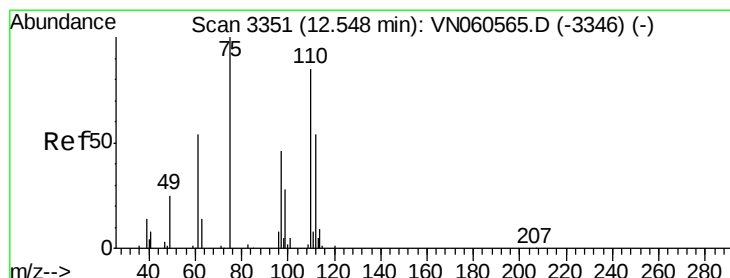
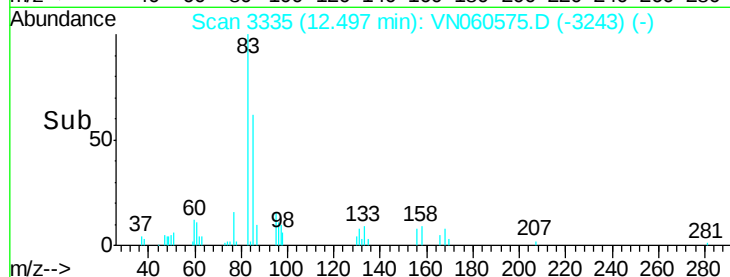
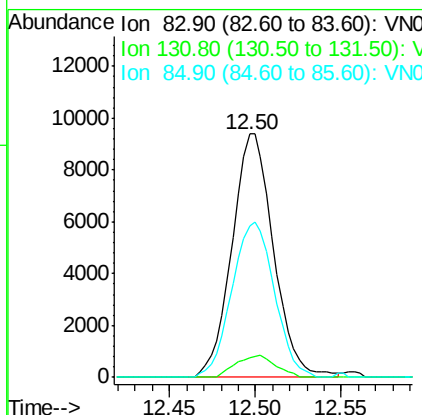
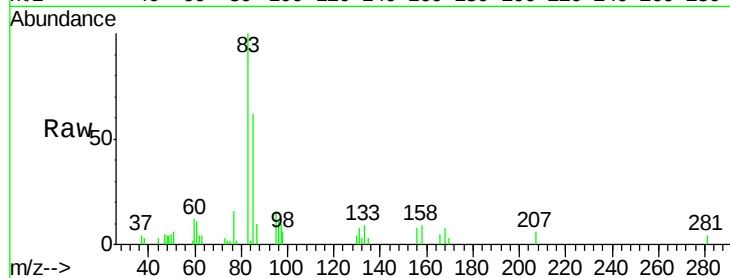
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	83	Resp:	15748
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.9	14.7
85	65.2	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 4.852 ug/l m

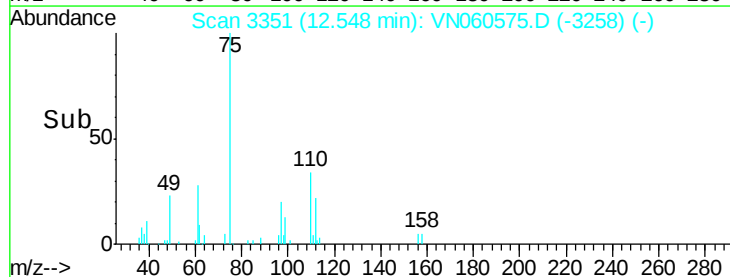
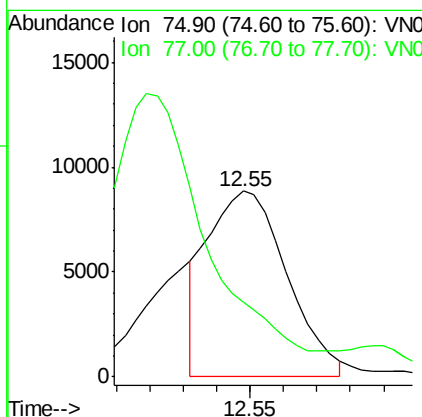
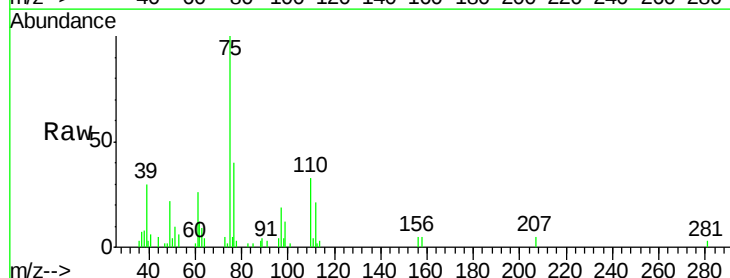
RT: 12.55 min Scan# 3351

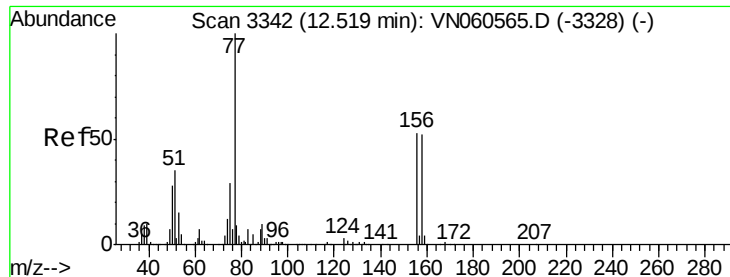
Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Tgt Ion:	75	Resp:	14605
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.120 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Instrument :

MSVOA_N

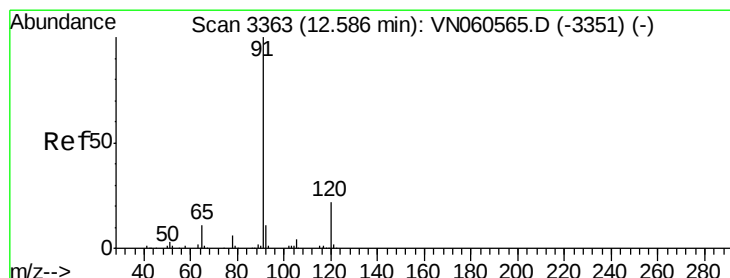
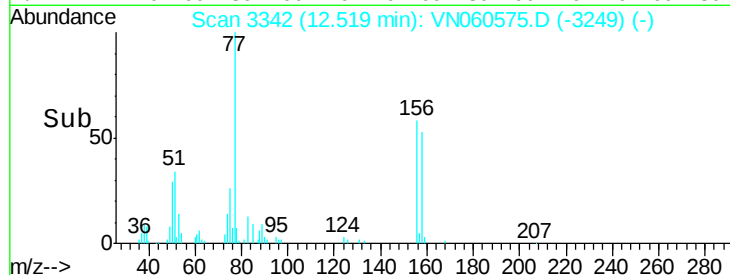
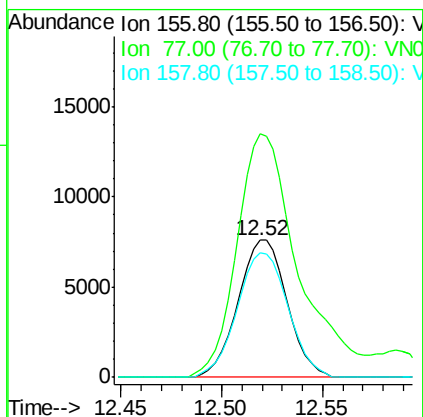
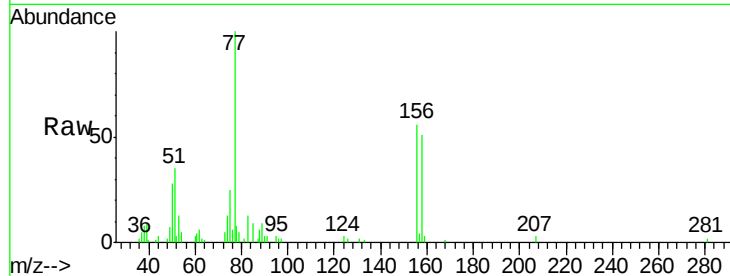
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	156	Resp:	12916
Ion Ratio	Lower	Upper	
156	100		
77	220.8	112.3	337.0
158	94.6	48.6	145.8

Manual Integrations
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#78

n-propylbenzene

Concen: 4.969 ug/l

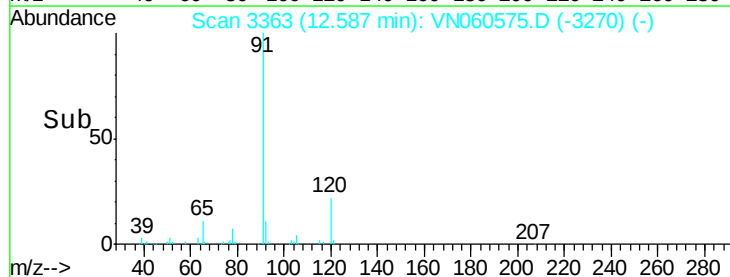
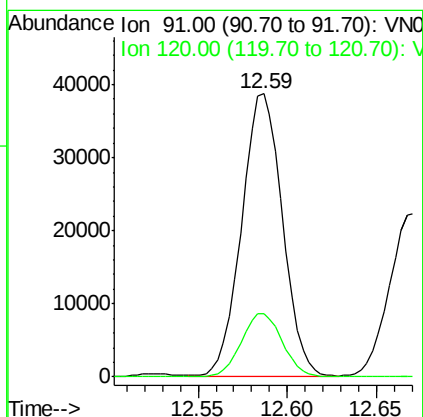
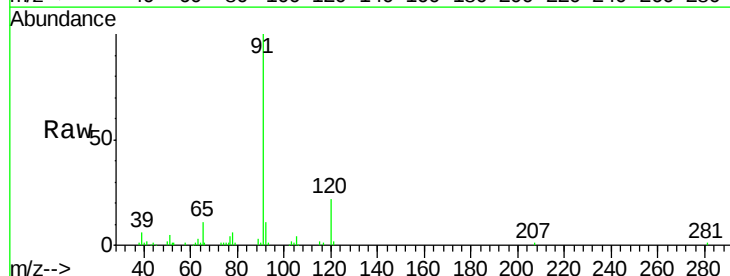
RT: 12.59 min Scan# 3363

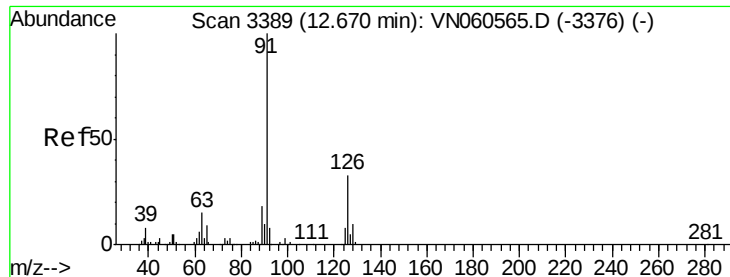
Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Tgt Ion:	91	Resp:	61456
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.3	33.8





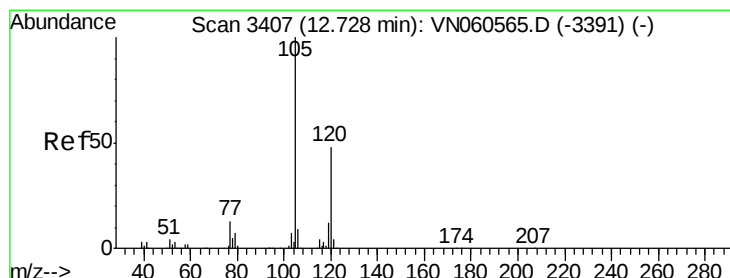
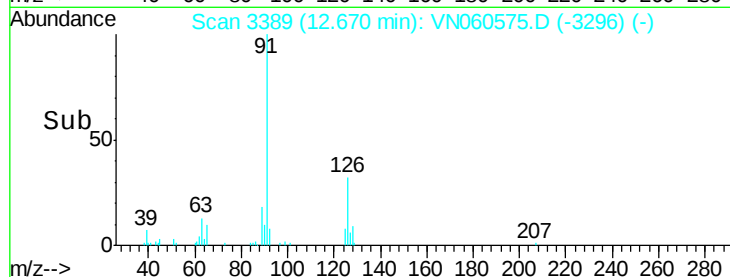
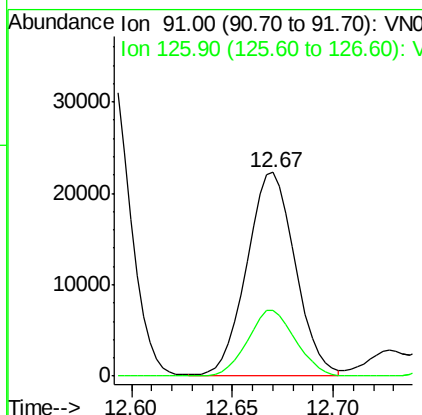
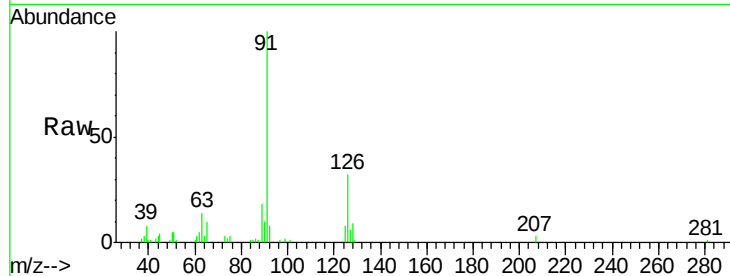
#79
 2-Chlorotoluene
 Concen: 5.039 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion: 91 Resp: 37235
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.4 49.1

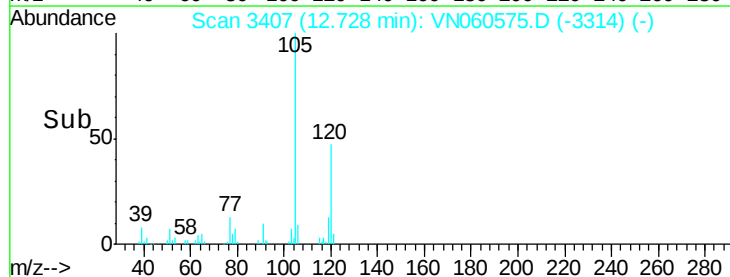
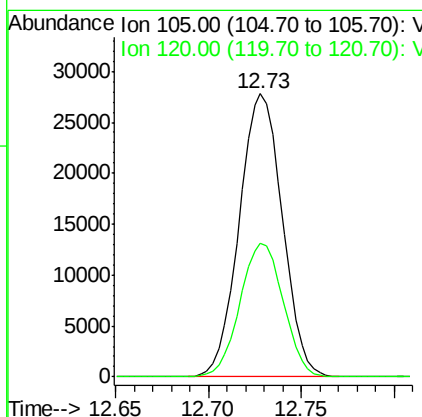
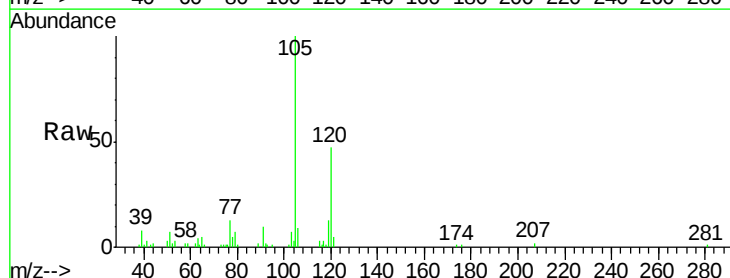
Manual Integrations
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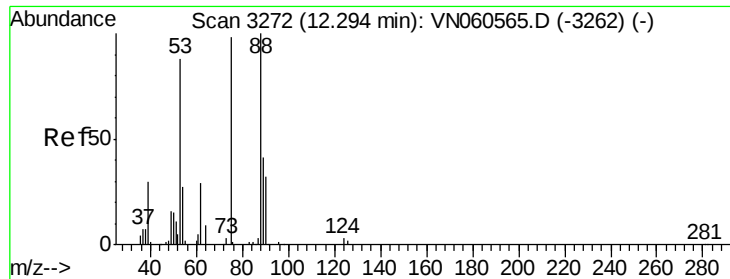
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 5.052 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Tgt Ion: 105 Resp: 44879
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.9 71.7





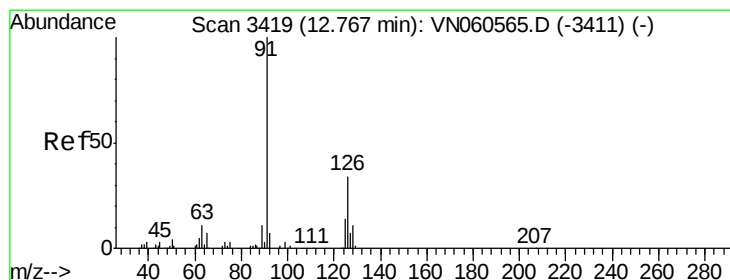
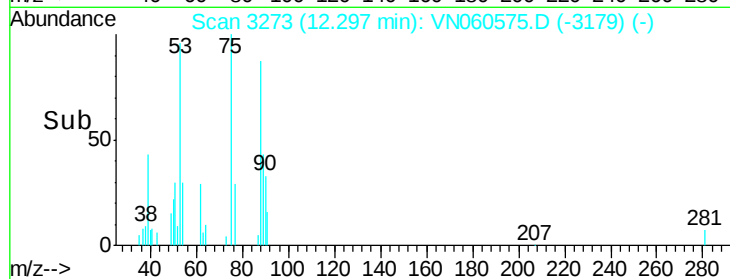
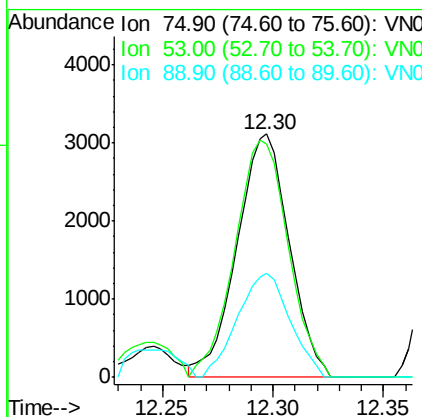
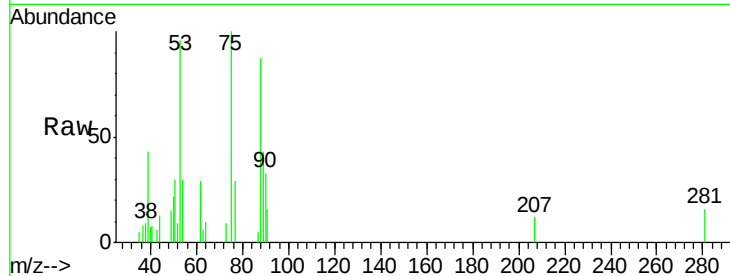
#81
trans-1,4-Dichloro-2-butene
Concen: 4.367 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.7	73.0	109.4
89	43.0	34.8	52.2

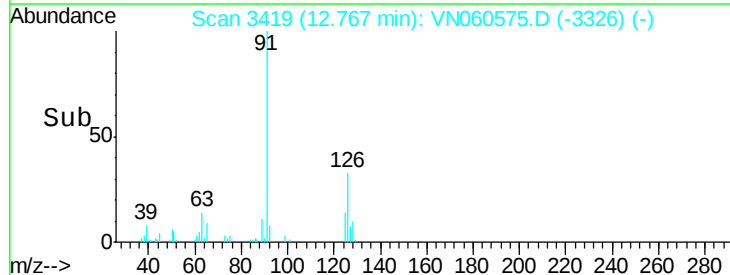
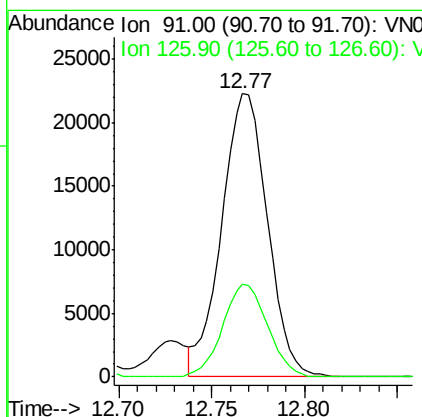
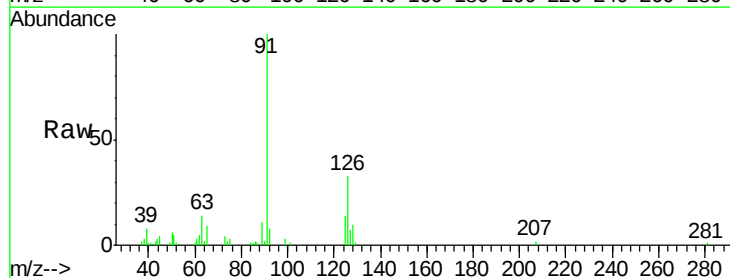
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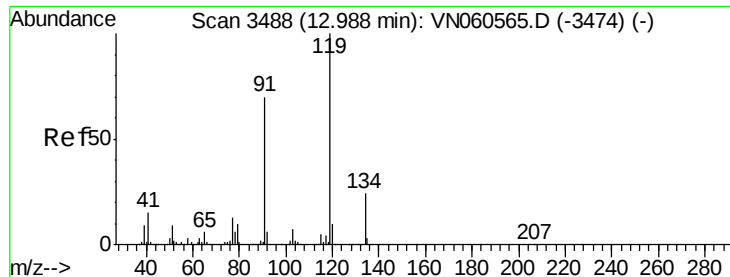
MMDadoda
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#82
4-Chlorotoluene
Concen: 5.073 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. 0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.2	48.5





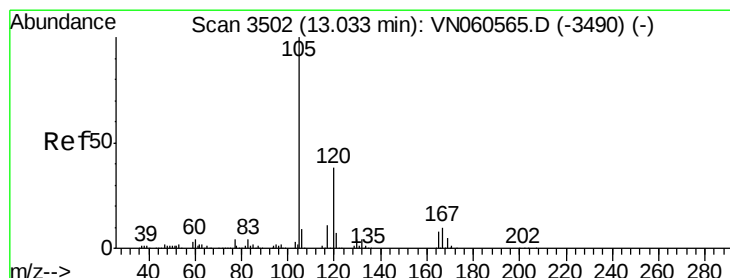
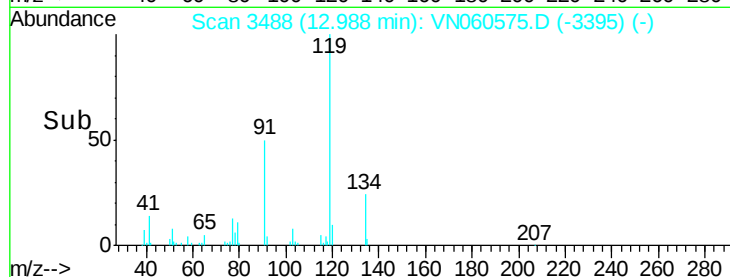
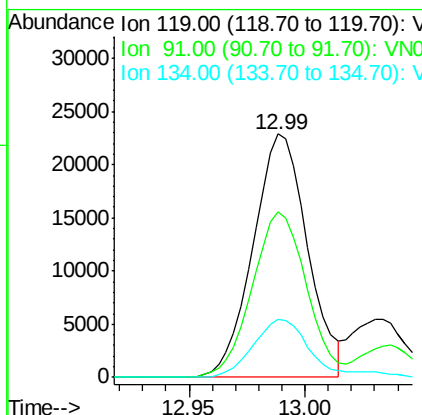
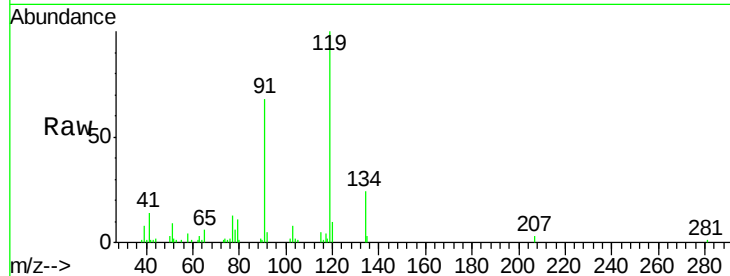
#83
 tert-Butylbenzene
 Concen: 5.080 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	34.0	101.8
134	23.9	12.7	38.0

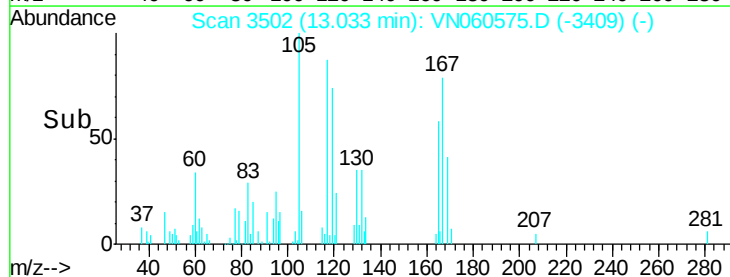
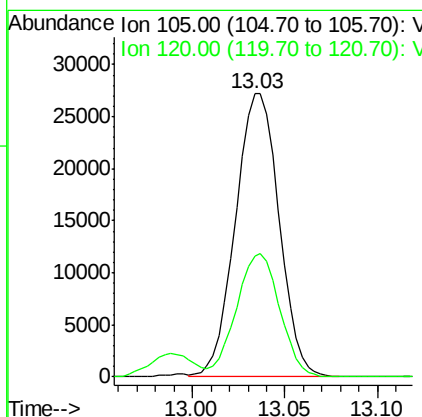
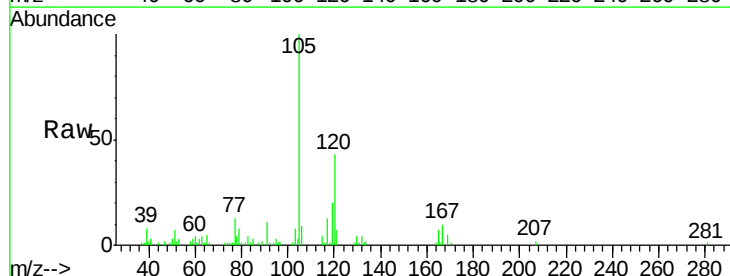
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.072 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	22.1	66.5





#85

sec-Butylbenzene

Concen: 5.021 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:105 Resp: 49720

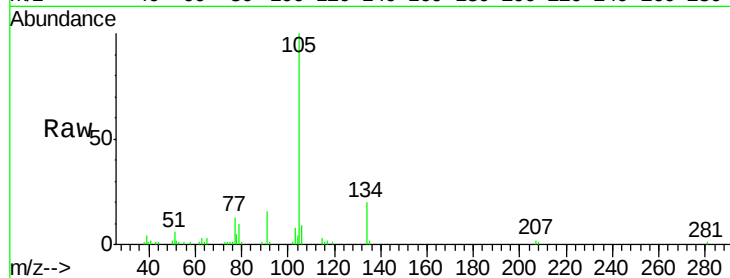
Ion Ratio Lower Upper

105 100

134 19.2 9.6 28.8

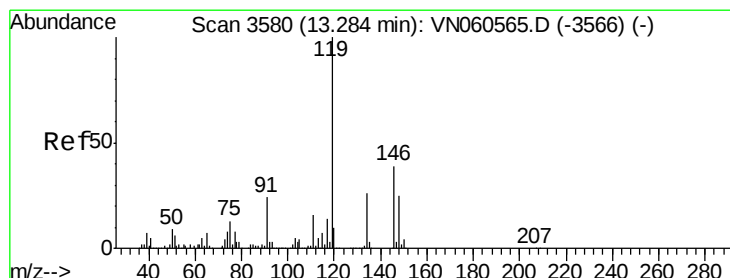
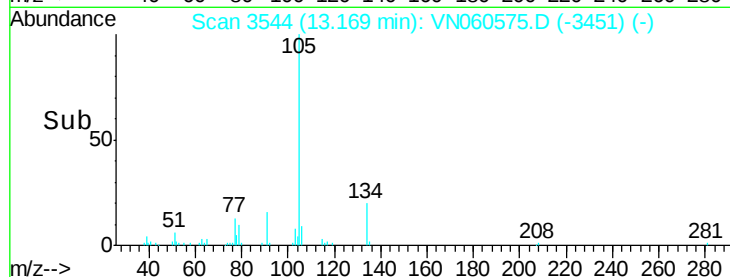
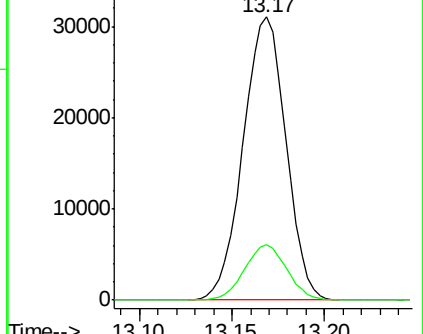
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.906 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060575.D

Acq: 17 Mar 2020 23:44

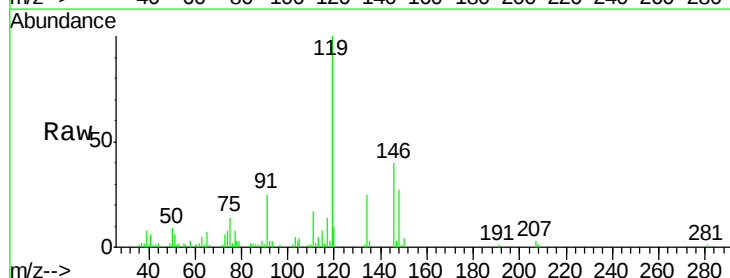
Tgt Ion:119 Resp: 43688

Ion Ratio Lower Upper

119 100

134 24.8 13.0 39.0

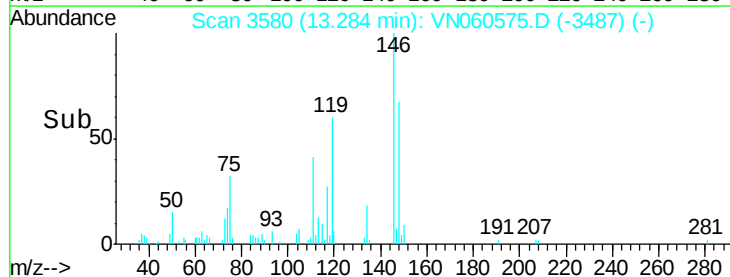
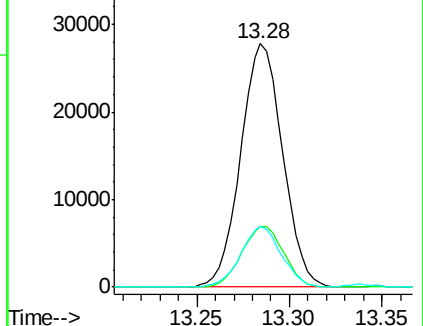
91 24.2 12.0 36.0

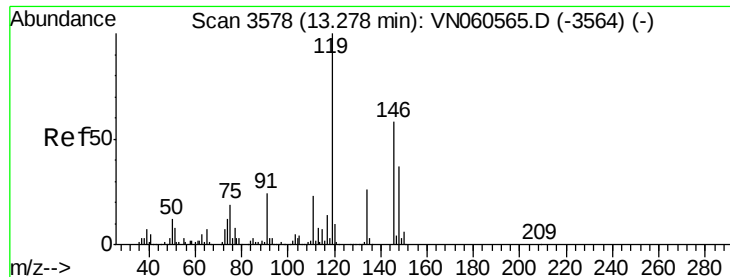


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





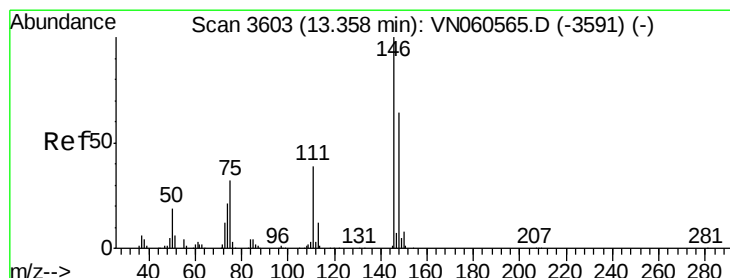
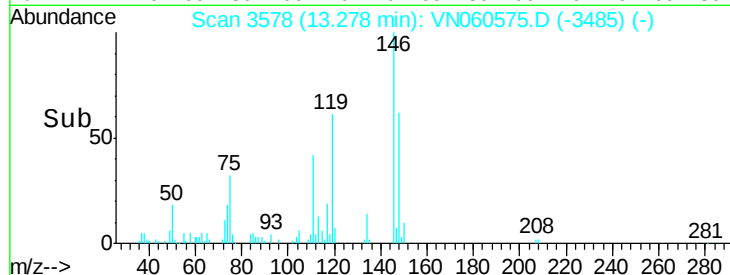
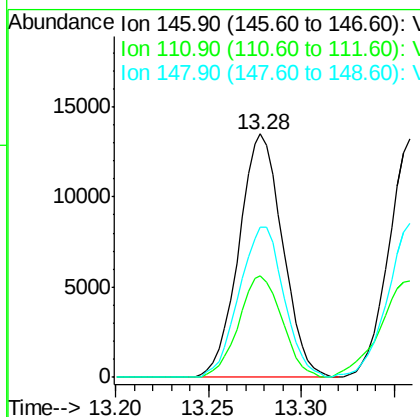
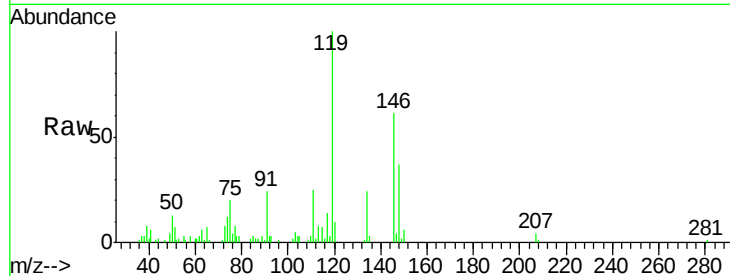
#87
 1,3-Dichlorobenzene
 Concen: 4.959 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.3	60.8
148	63.0	32.5	97.4

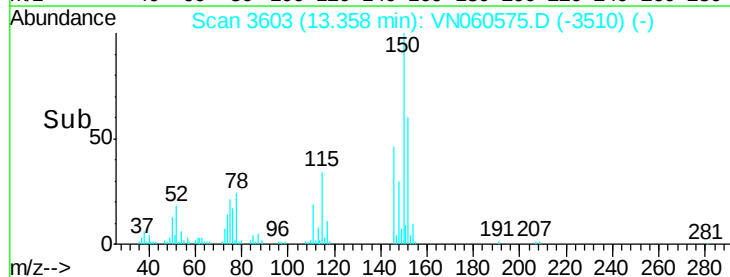
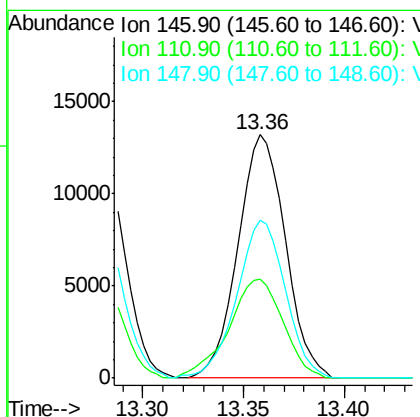
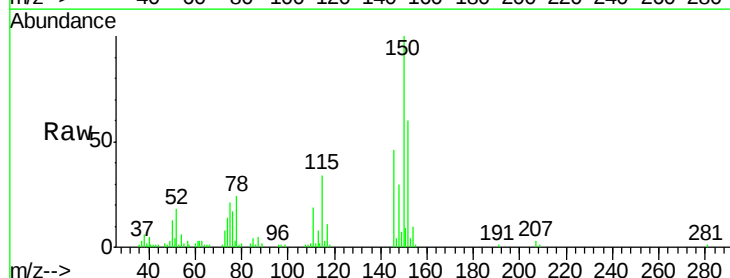
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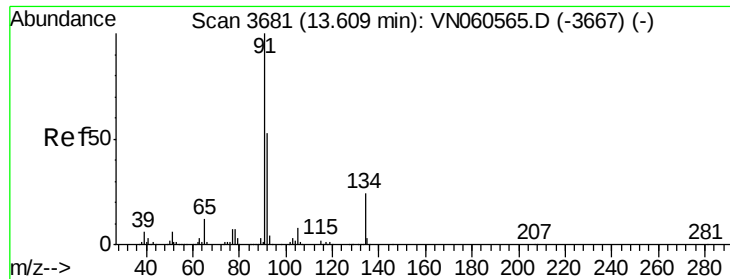
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#88
 1,4-Dichlorobenzene
 Concen: 4.877 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.5	19.6	58.7
148	66.3	32.1	96.3





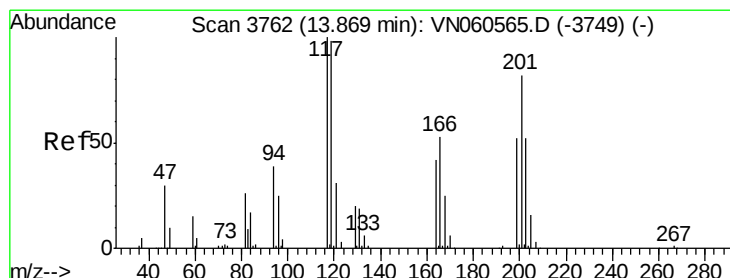
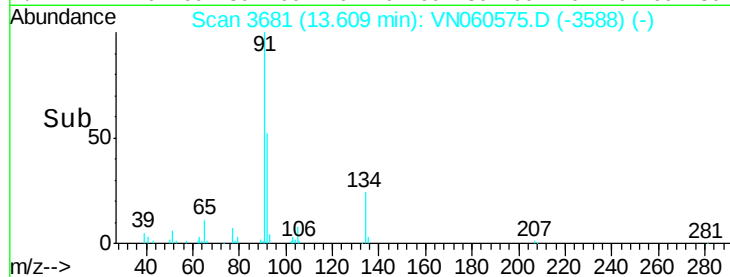
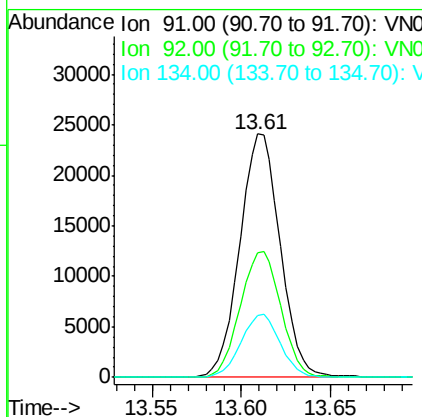
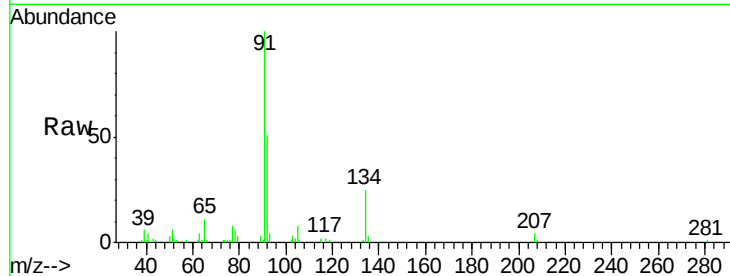
#89
n-Butylbenzene
Concen: 4.745 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.2	78.5
134	25.0	12.3	36.9

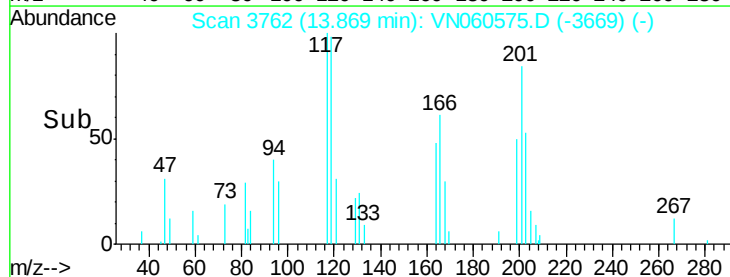
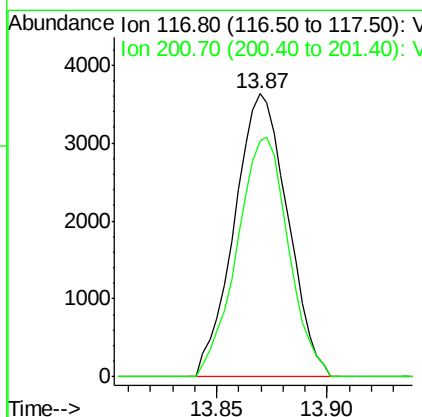
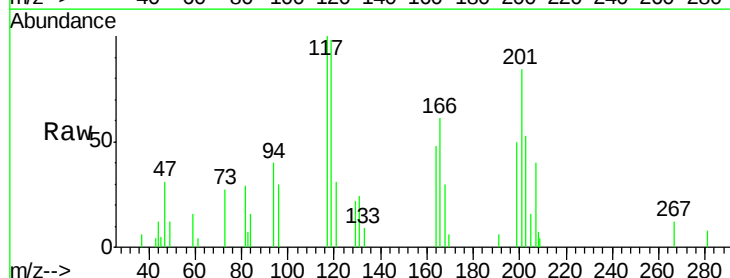
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#90
Hexachloroethane
Concen: 4.701 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.6	40.8	122.5





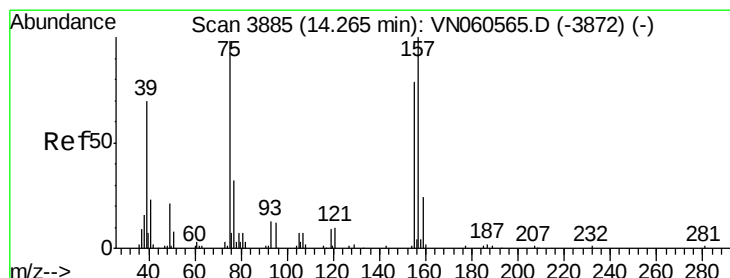
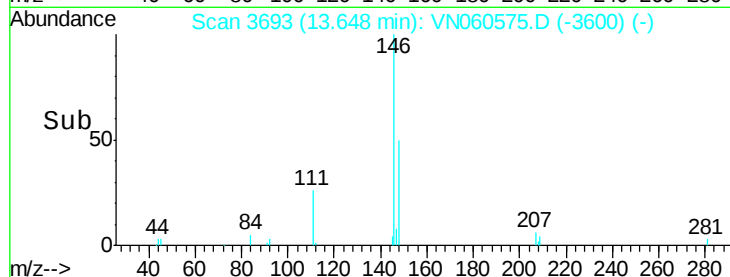
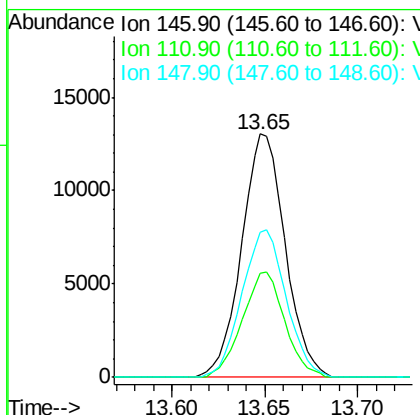
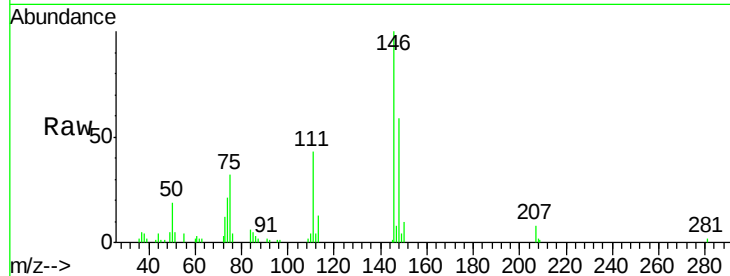
#91
 1,2-Dichlorobenzene
 Concen: 5.016 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.0	63.0
148	61.5	31.9	95.5

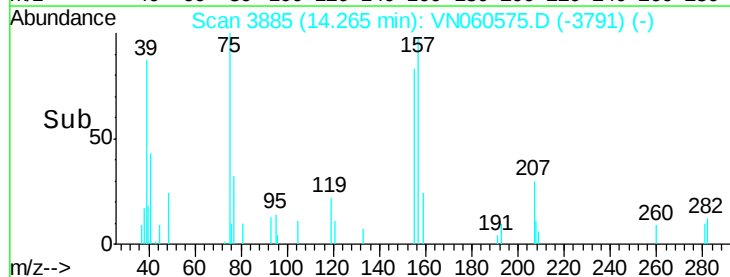
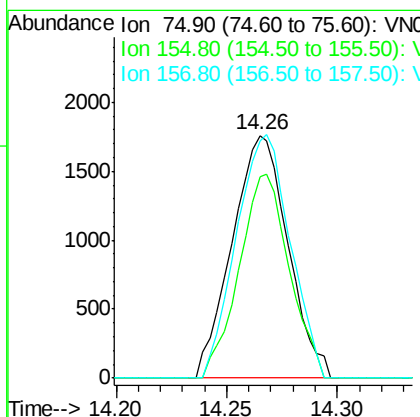
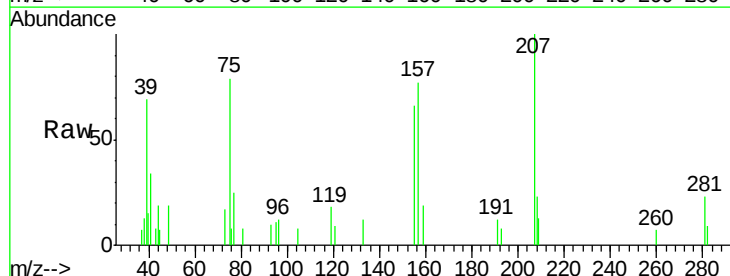
Manual Integrations
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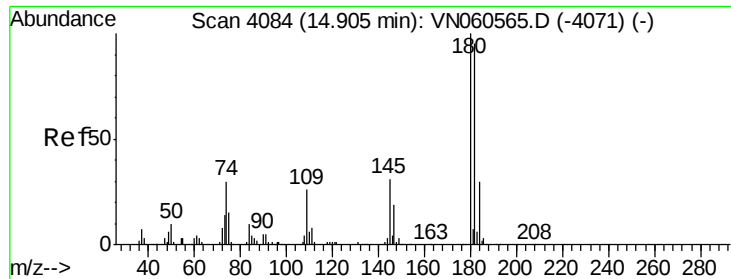
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.334 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.3	40.7	122.1
157	96.8	51.5	154.7





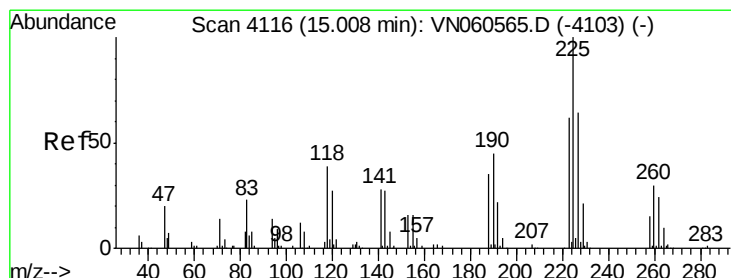
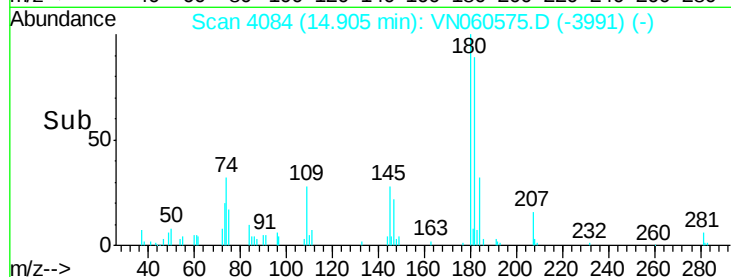
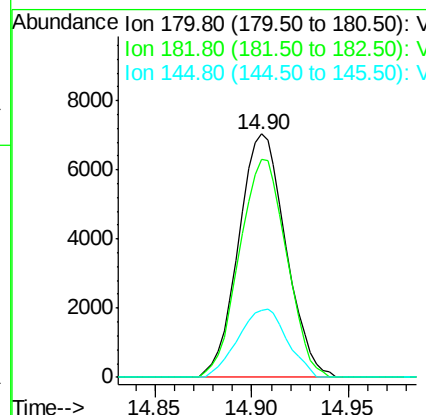
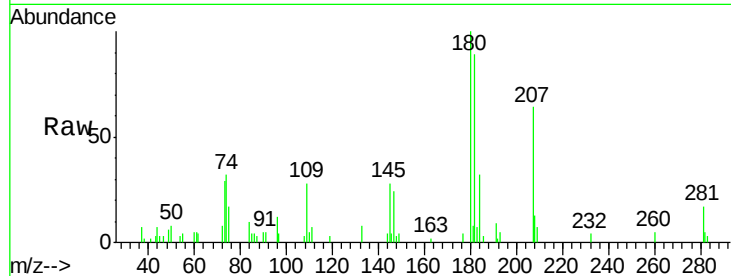
#93
 1,2,4-Trichlorobenzene
 Concen: 4.574 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.5	47.9	143.8
145	29.3	15.4	46.2

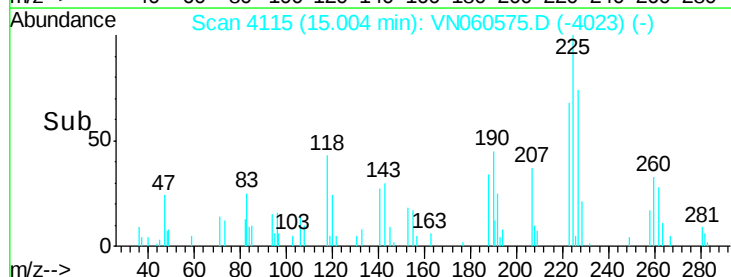
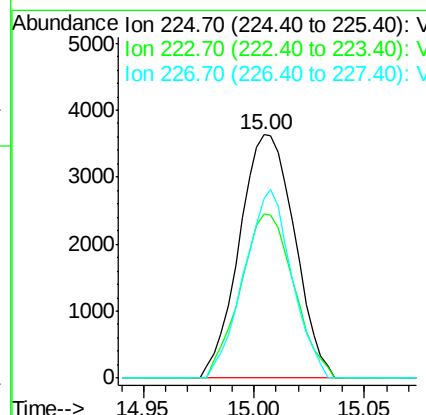
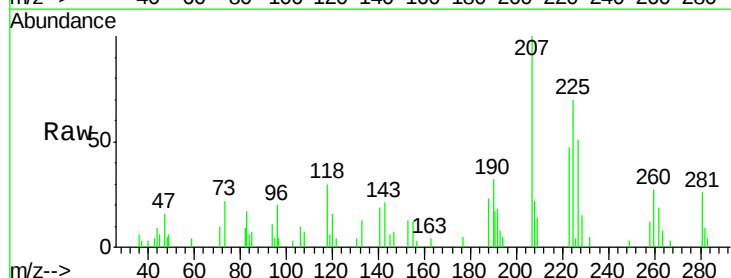
Manual Integrations
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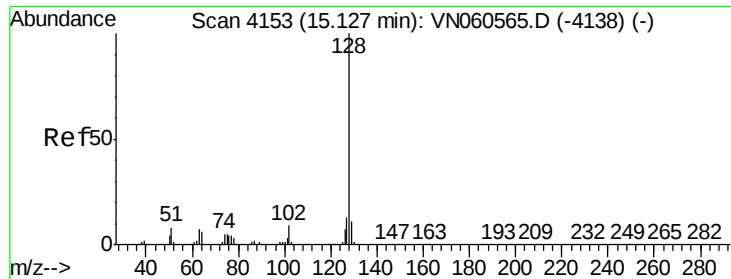
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#94
 Hexachlorobutadiene
 Concen: 4.922 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN060575.D
 Acq: 17 Mar 2020 23:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	31.6	95.0
227	67.0	32.3	96.8





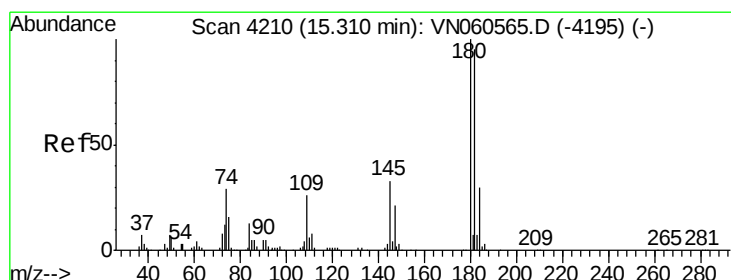
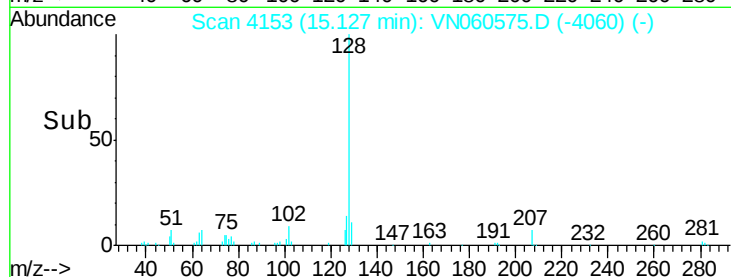
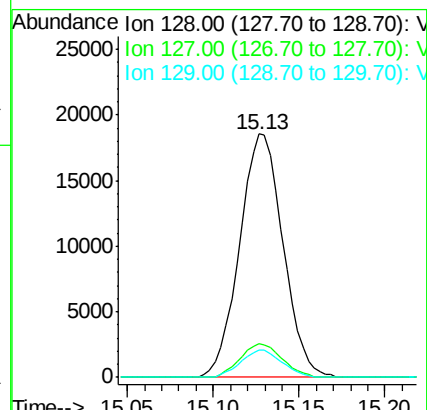
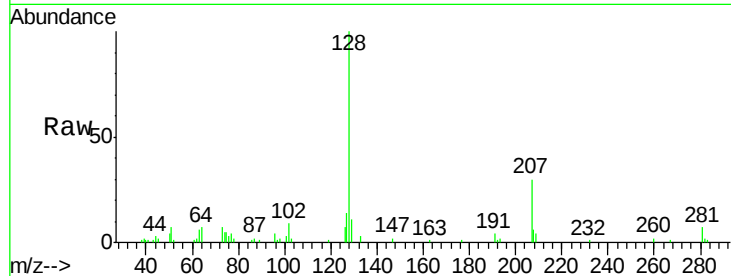
#95
Naphthalene
Concen: 4.147 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/19/2020 1:02:36 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.407 ug/l
RT: 15.31 min Scan# 4209
Delta R.T. -0.00 min
Lab File: VN060575.D
Acq: 17 Mar 2020 23:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.5	142.6
145	32.9	16.3	48.8

