

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052920\
 Data File : VN061562.D
 Acq On : 29 May 2020 13:15
 Operator : JC/MD
 Sample : L2182-09 .75PPB MDL
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Manual Integrations
 APPROVED

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 6/1/2020 12:30:05 PM

Quant Time: May 30 07:30:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 30 07:13:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	280307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	503158	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	456109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	189720	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	190422	57.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.04%	
35) Dibromofluoromethane	7.55	113	147385	57.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.48%	
50) Toluene-d8	10.06	98	594724	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
62) 4-Bromofluorobenzene	12.38	95	197209	45.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	1517	0.518	ug/l	94
3) Chloromethane	2.03	50	2957	0.865	ug/l	99
4) Vinyl Chloride	2.15	62	3181	0.679	ug/l	100
5) Bromomethane	2.54	94	2802	1.042	ug/l	95
6) Chloroethane	2.67	64	2132	0.707	ug/l #	79
7) Trichlorofluoromethane	2.98	101	3795	0.628	ug/l	93
8) Diethyl Ether	3.37	74	1114	0.603	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	3.71	101	1778	0.663	ug/l #	87
10) Methyl Iodide	3.91	142	2941	0.790	ug/l #	86
11) Tert butyl alcohol	4.72	59	1658m	3.732	ug/l	
12) 1,1-Dichloroethene	3.70	96	1891	0.660	ug/l	85
13) Acrolein	3.57	56	1017	5.971	ug/l #	73
14) Allyl chloride	4.28	41	3013	0.805	ug/l #	87
15) Acrylonitrile	4.94	53	3455m	2.787	ug/l	
16) Acetone	3.78	43	5154	4.363	ug/l	90
17) Carbon Disulfide	4.00	76	5643	0.895	ug/l	97
18) Methyl Acetate	4.28	43	2030m	0.671	ug/l	
19) Methyl tert-butyl Ether	4.99	73	6548	0.671	ug/l #	73
20) Methylene Chloride	4.50	84	2548	0.622	ug/l	89
21) trans-1,2-Dichloroethene	4.99	96	2272	0.703	ug/l	93
22) Diisopropyl ether	5.90	45	5493	0.666	ug/l #	87
23) Vinyl Acetate	5.85	43	20338	3.092	ug/l #	93
24) 1,1-Dichloroethane	5.79	63	3709m	0.709	ug/l	
25) 2-Butanone	6.79	43	4707	2.974	ug/l	88
26) 2,2-Dichloropropane	6.77	77	3537m	0.738	ug/l	
27) cis-1,2-Dichloroethene	6.78	96	2460	0.673	ug/l	96
28) Bromochloromethane	7.16	49	1660m	0.735	ug/l	
29) Tetrahydrofuran	7.18	42	3753	3.596	ug/l #	86
30) Chloroform	7.32	83	3874	0.669	ug/l	86
31) Cyclohexane	7.62	56	8760	1.861	ug/l #	48
32) 1,1,1-Trichloroethane	7.53	97	3472	0.658	ug/l #	48
36) 1,1-Dichloropropene	7.75	75	2756	0.619	ug/l #	84
37) Ethyl Acetate	6.89	43	2494	0.695	ug/l #	66
38) Carbon Tetrachloride	7.73	117	2281	0.531	ug/l #	78

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	3505	0.638	ug/l	90
40) Benzene	8.00	78	8459	0.615	ug/l	99
41) Methacrylonitrile	7.13	41	1021	0.621	ug/l #	46
42) 1,2-Dichloroethane	8.08	62	3499	0.760	ug/l	77
43) Isopropyl Acetate	8.13	43	3984	0.617	ug/l #	75
44) Trichloroethene	8.81	130	2593	0.614	ug/l	99
45) 1,2-Dichloropropane	9.09	63	2003	0.614	ug/l #	69
46) Dibromomethane	9.18	93	1358	0.543	ug/l	97
47) Bromodichloromethane	9.37	83	2549	0.514	ug/l #	85
48) Methyl methacrylate	9.17	41	1781	0.613	ug/l	90
49) 1,4-Dioxane	9.17	88	611	13.582	ug/l #	94
51) 4-Methyl-2-Pentanone	9.95	43	9760	2.683	ug/l	100
52) Toluene	10.13	92	5749	0.641	ug/l	99
53) t-1,3-Dichloropropene	10.36	75	2837	0.531	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	3209	0.559	ug/l #	82
55) 1,1,2-Trichloroethane	10.53	97	2361	0.661	ug/l	91
56) Ethyl methacrylate	10.40	69	2481	0.497	ug/l	96
57) 1,3-Dichloropropane	10.68	76	3543	0.620	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.66	63	5902	2.766	ug/l	99
59) 2-Hexanone	10.72	43	7439	2.848	ug/l	91
60) Dibromochloromethane	10.88	129	1929	0.475	ug/l	87
61) 1,2-Dibromoethane	10.98	107	1879	0.504	ug/l #	77
64) Tetrachloroethene	10.60	164	2431	0.566	ug/l #	76
65) Chlorobenzene	11.41	112	6171	0.651	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.48	131	2052	0.581	ug/l #	62
67) Ethyl Benzene	11.48	91	10468	0.639	ug/l	94
68) m/p-Xylenes	11.60	106	7413	1.141	ug/l	94
69) o-Xylene	11.92	106	3158	0.512	ug/l	74
70) Styrene	11.94	104	5123	0.501	ug/l	95
71) Bromoform	12.10	173	1232	0.453	ug/l #	88
73) Isopropylbenzene	12.23	105	9343	0.675	ug/l	96
74) N-amyl acetate	12.05	43	2199	0.504	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.48	83	2552	0.658	ug/l #	96
76) 1,2,3-Trichloropropane	12.53	75	2262m	0.656	ug/l	
77) Bromobenzene	12.50	156	2103	0.595	ug/l	62
78) n-propylbenzene	12.56	91	10319	0.668	ug/l	93
79) 2-Chlorotoluene	12.65	91	6343	0.688	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	7258	0.627	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.28	75	641m	0.475	ug/l	
82) 4-Chlorotoluene	12.75	91	6738	0.695	ug/l	93
83) tert-Butylbenzene	12.97	119	6896	0.674	ug/l	93
84) 1,2,4-Trimethylbenzene	13.02	105	7425	0.646	ug/l	97
85) sec-Butylbenzene	13.15	105	8345	0.633	ug/l	98
86) p-Isopropyltoluene	13.26	119	7347	0.605	ug/l	95
87) 1,3-Dichlorobenzene	13.26	146	4068	0.650	ug/l	91
88) 1,4-Dichlorobenzene	13.34	146	4711m	0.739	ug/l	
89) n-Butylbenzene	13.59	91	6637	0.653	ug/l	96
90) Hexachloroethane	13.85	117	833	0.621	ug/l	78
91) 1,2-Dichlorobenzene	13.63	146	3893	0.651	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.25	75	488	0.617	ug/l	69

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MDL-WATER-03-QT2-2020DL

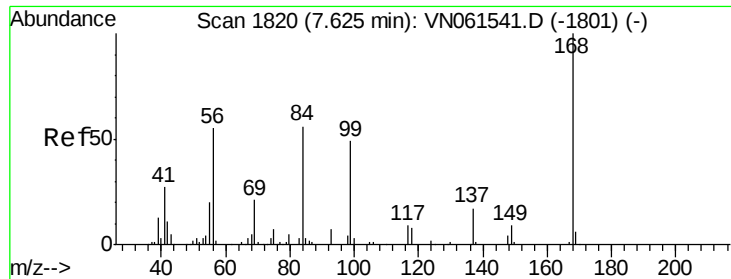
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	2194	0.627	ug/l	93
94) Hexachlorobutadiene	14.99	225	1126	0.755	ug/l	92
95) Naphthalene	15.10	128	6679	0.627	ug/l	96
96) 1,2,3-Trichlorobenzene	15.29	180	2168	0.630	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061562.D

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Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:168 Resp: 280307

Ion Ratio Lower Upper

168 100

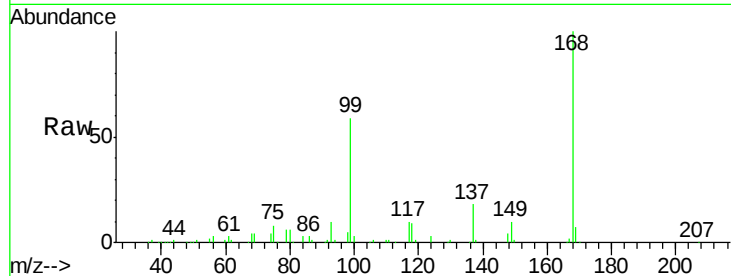
99 58.8 45.0 67.4

Manual Integrations

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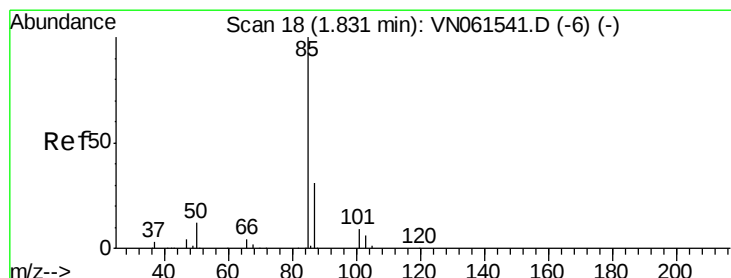
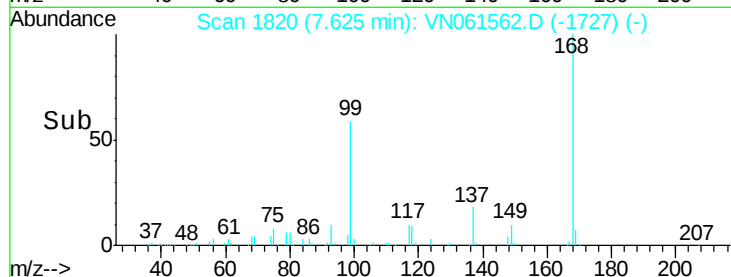
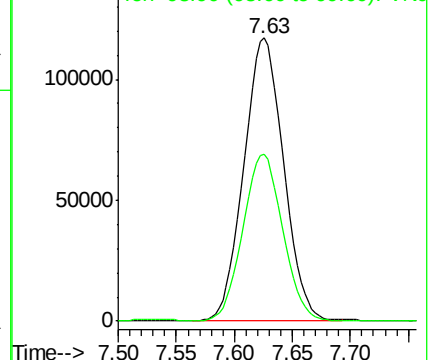
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 0.518 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN061562.D

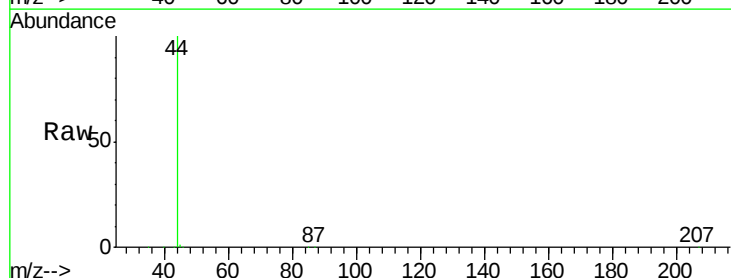
Acq: 29 May 2020 13:15

Tgt Ion: 85 Resp: 1517

Ion Ratio Lower Upper

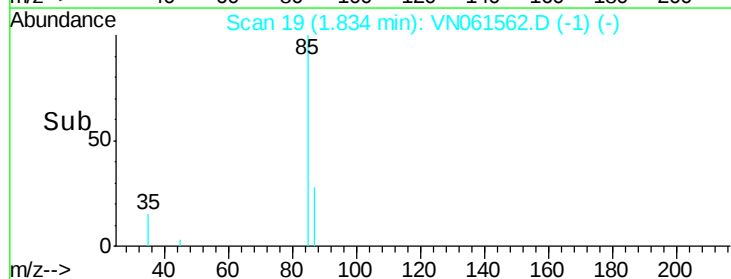
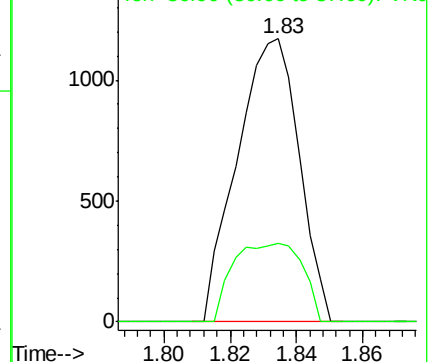
85 100

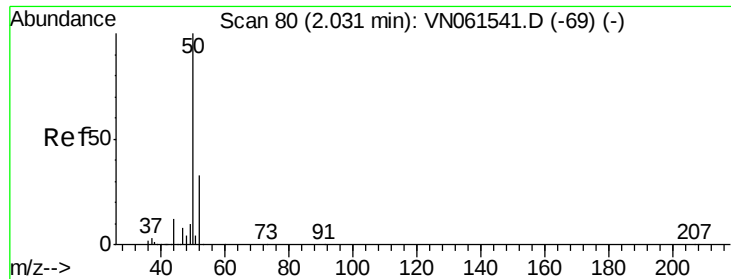
87 27.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 0.865 ug/l

RT: 2.03 min Scan# 80

Delta R.T. 0.00 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 50 Resp: 2957

Ion Ratio Lower Upper

50 100

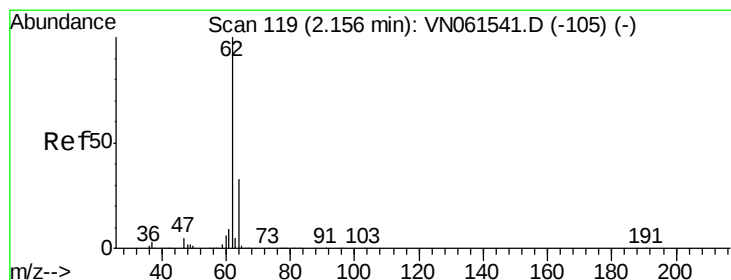
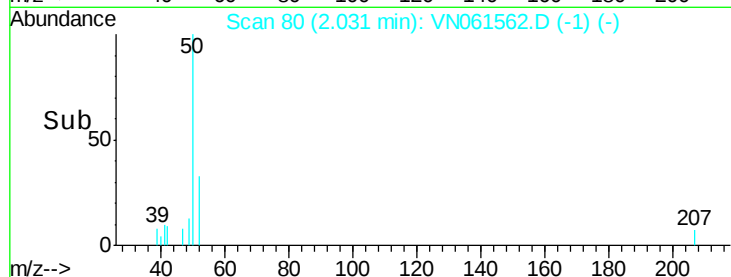
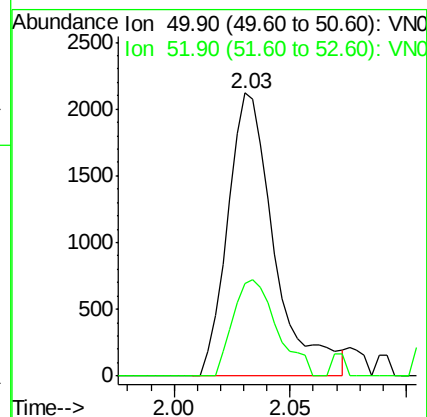
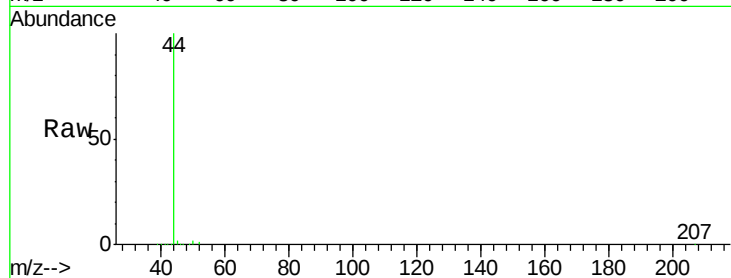
52 32.6 26.7 40.1

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#4

Vinyl Chloride

Concen: 0.679 ug/l

RT: 2.15 min Scan# 118

Delta R.T. -0.00 min

Lab File: VN061562.D

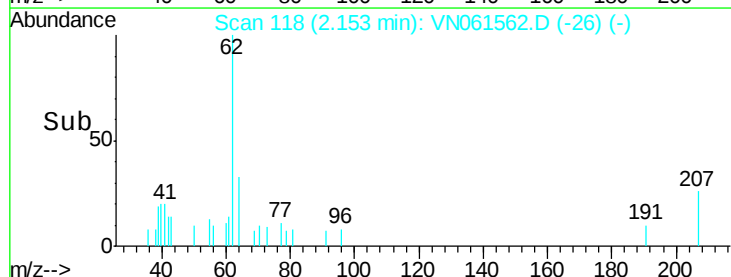
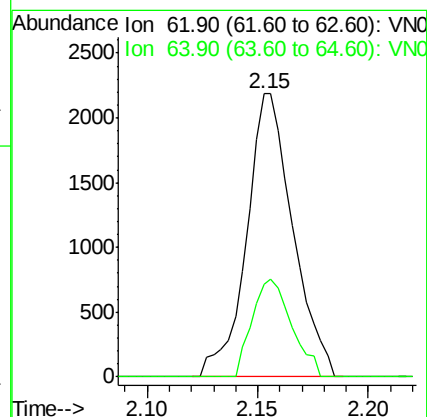
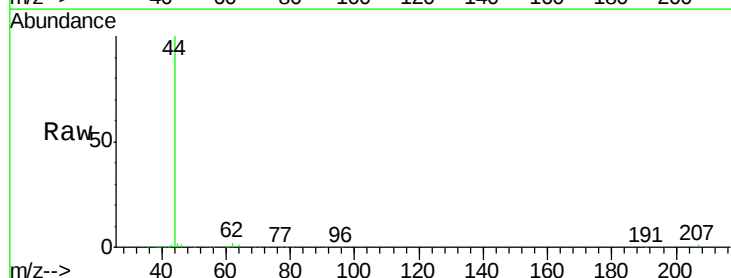
Acq: 29 May 2020 13:15

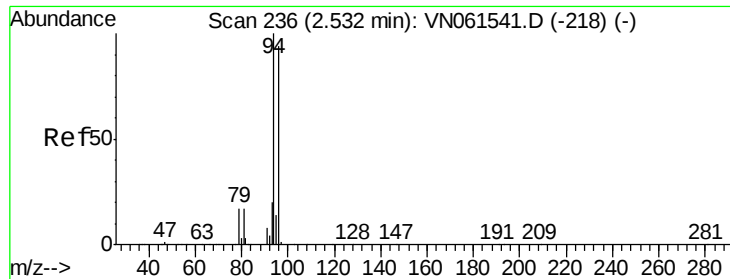
Tgt Ion: 62 Resp: 3181

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.2





#5

Bromomethane

Concen: 1.042 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 94 Resp: 2802

Ion Ratio Lower Upper

94 100

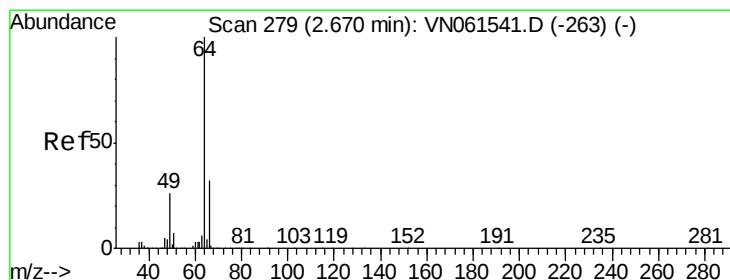
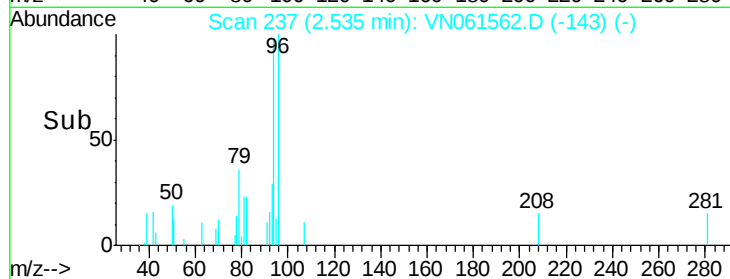
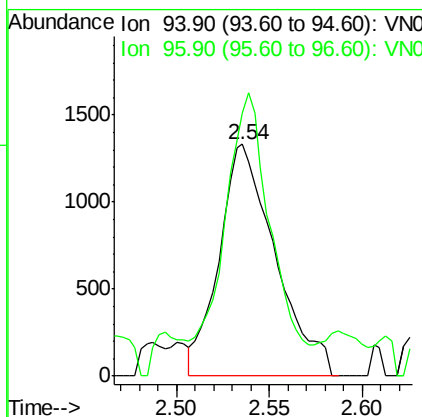
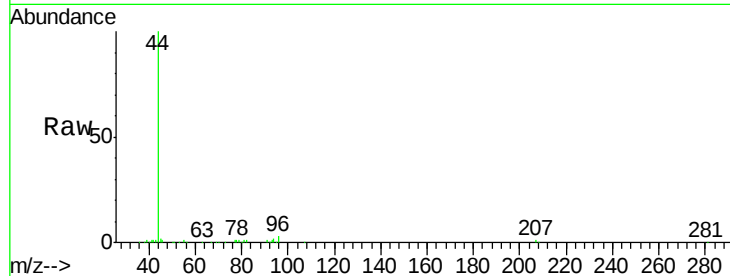
96 98.6 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 0.707 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061562.D

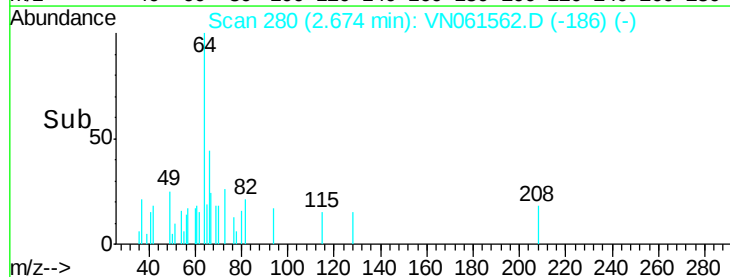
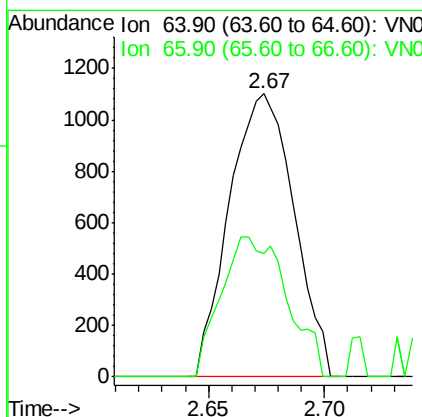
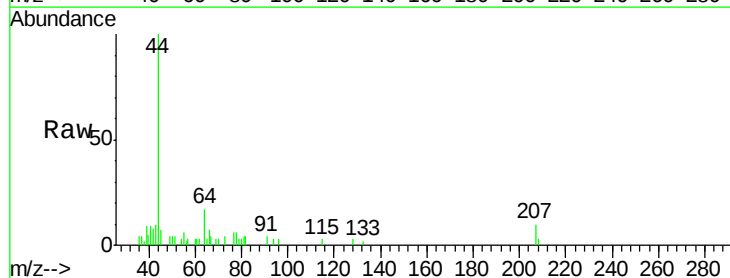
Acq: 29 May 2020 13:15

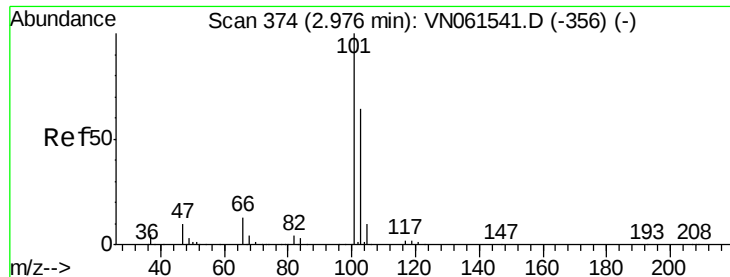
Tgt Ion: 64 Resp: 2132

Ion Ratio Lower Upper

64 100

66 43.8 25.6 38.4#





#7

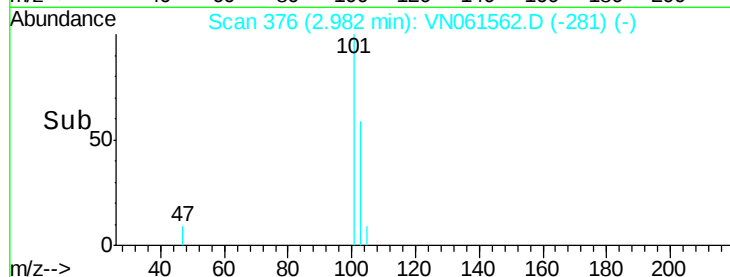
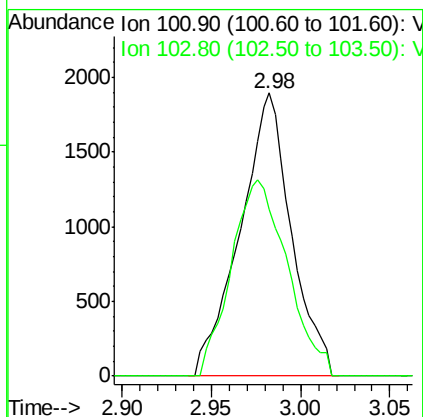
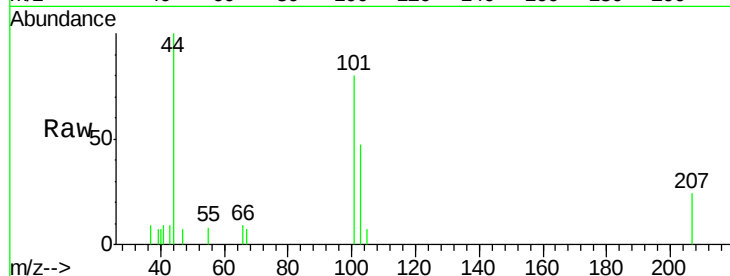
Trichlorofluoromethane
Concen: 0.628 ug/l
RT: 2.98 min Scan# 376
Delta R.T. 0.01 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

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MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.9	51.4	77.2

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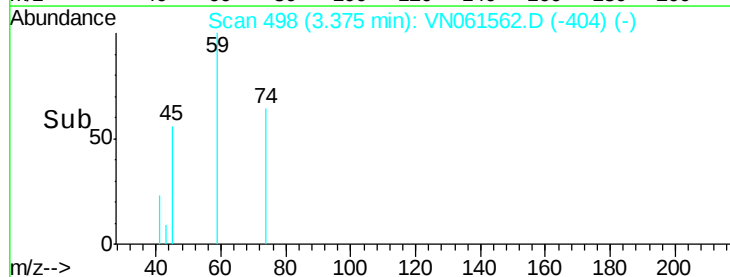
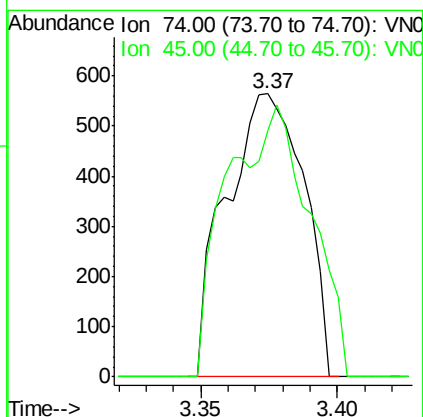
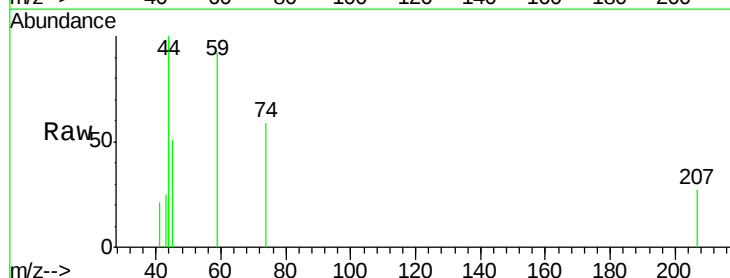
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#8

Diethyl Ether
Concen: 0.603 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.9	39.9	119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.663 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Instrument :

MSVOA_N

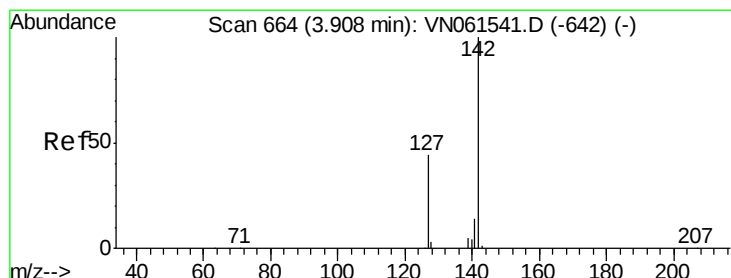
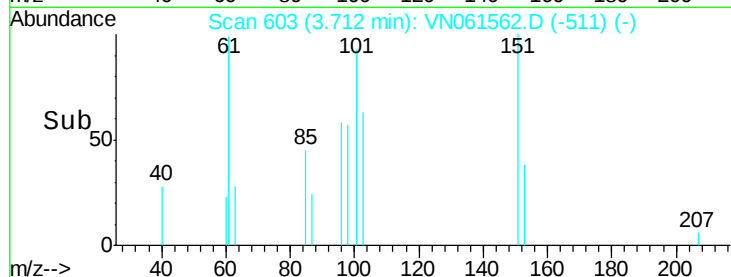
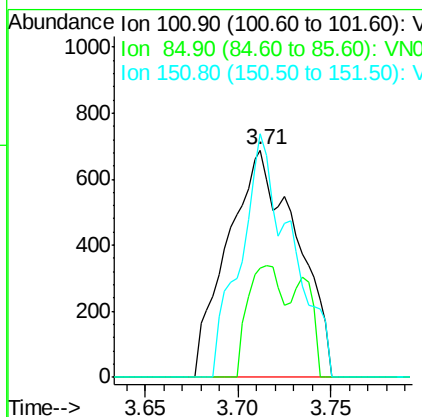
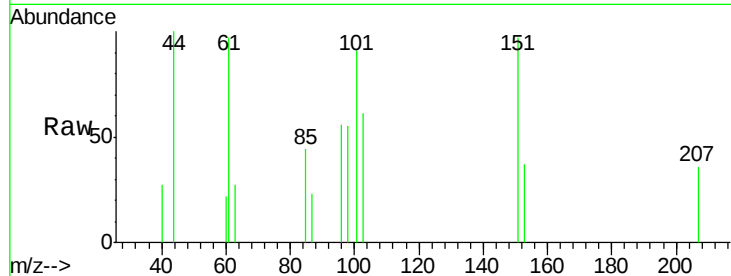
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	101	Resp:	1778
Ion Ratio	Lower	Upper	
101	100		
85	24.1	35.2	52.8#
151	78.8	61.0	91.6

Manual Integrations
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#10

Methyl Iodide

Concen: 0.790 ug/l

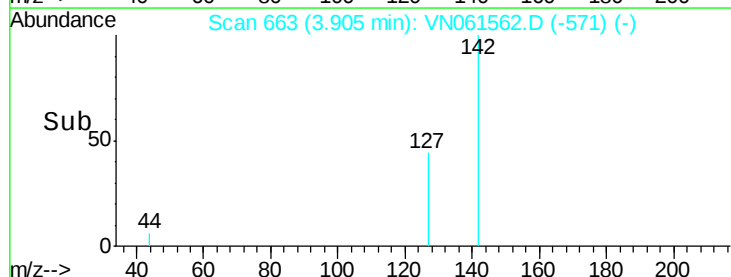
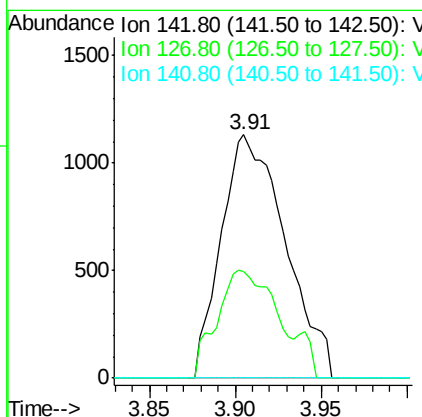
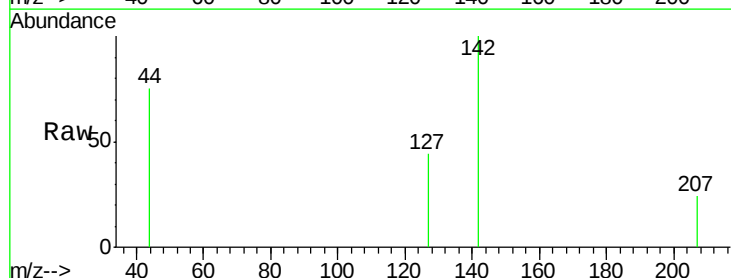
RT: 3.91 min Scan# 663

Delta R.T. -0.00 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Tgt Ion:	142	Resp:	2941
Ion Ratio	Lower	Upper	
142	100		
127	40.0	35.5	53.3
141	0.0	11.5	17.3#





#11

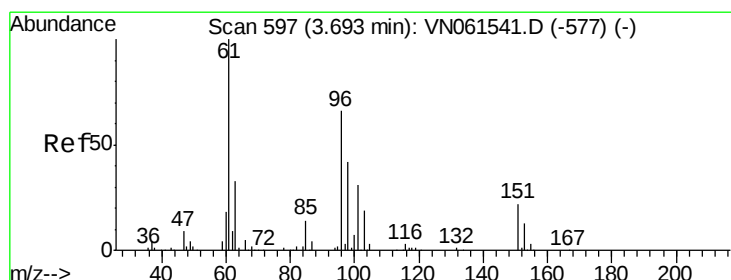
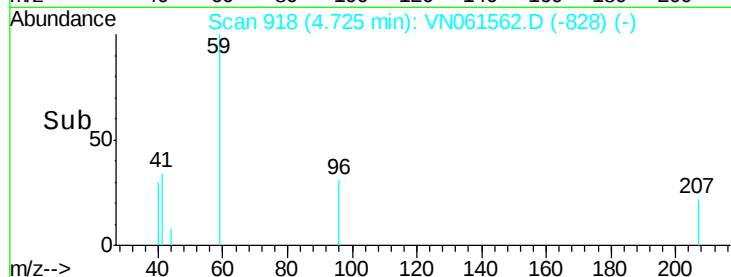
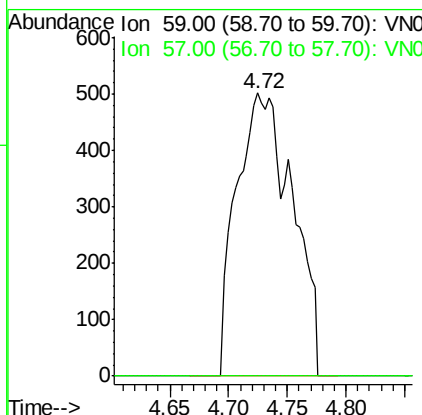
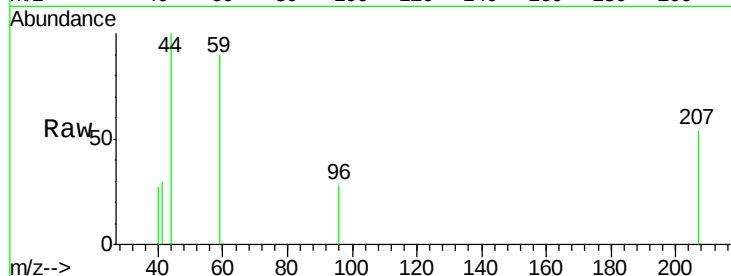
Tert butyl alcohol
 Concen: 3.732 ug/l m
 RT: 4.72 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VN061562.D
 Acq: 29 May 2020 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion: 59 Resp: 1658
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

Manual Integrations
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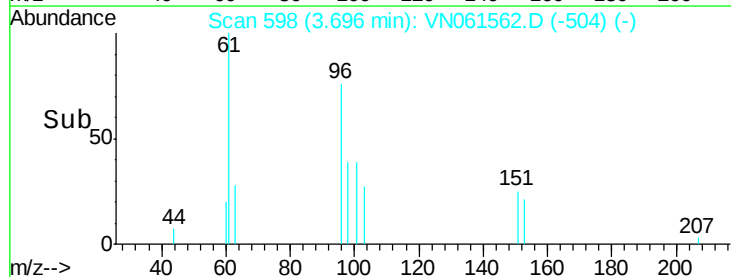
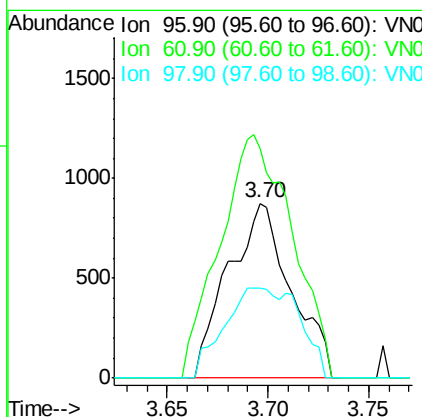
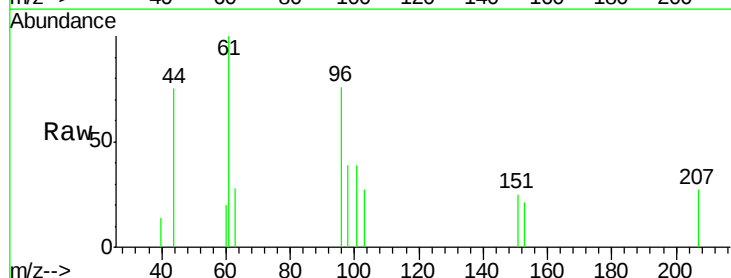
MMDadoda
 6/1/2020 12:30:05 PM

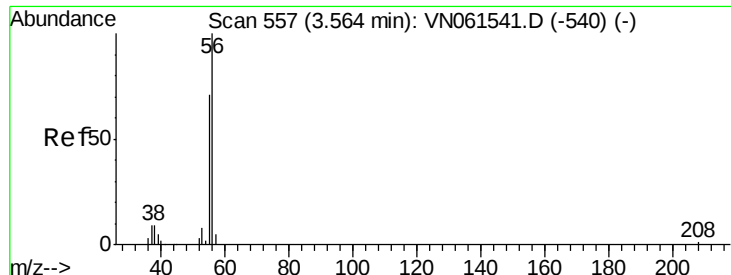


#12

1,1-Dichloroethene
 Concen: 0.660 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN061562.D
 Acq: 29 May 2020 13:15

Tgt Ion: 96 Resp: 1891
 Ion Ratio Lower Upper
 96 100
 61 131.1 120.5 180.7
 98 51.7 50.8 76.2





#13

Acrolein

Concen: 5.971 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 56 Resp: 1017

Ion Ratio Lower Upper

56 100

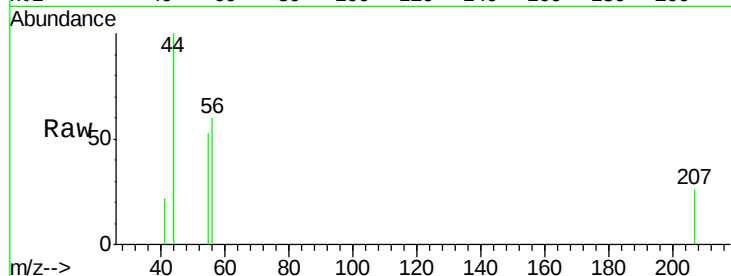
55 49.8 58.0 87.0#

Manual Integrations

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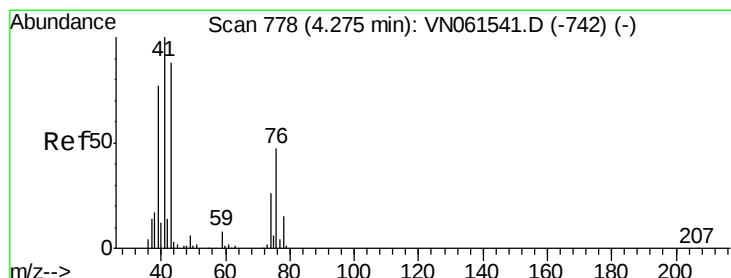
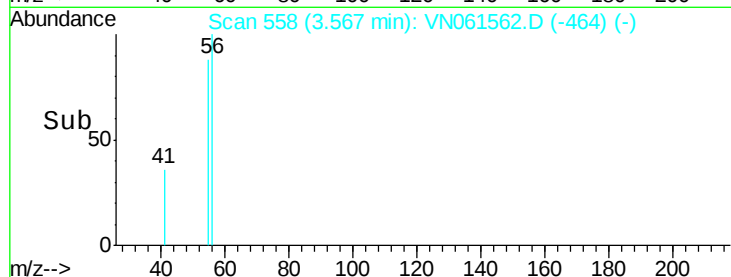
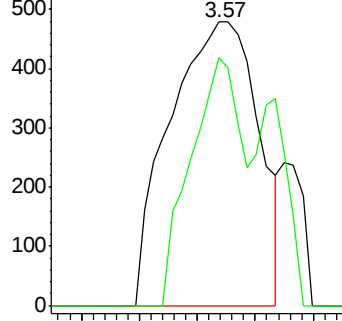
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 0.805 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.01 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

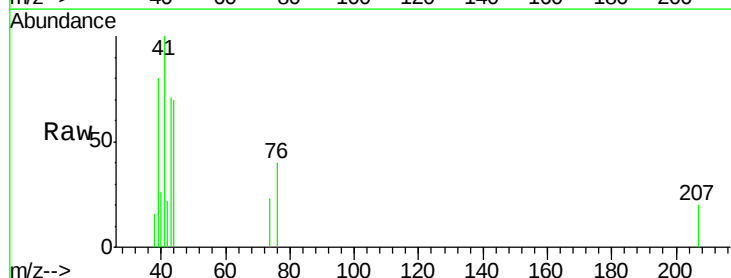
Tgt Ion: 41 Resp: 3013

Ion Ratio Lower Upper

41 100

39 68.5 58.6 88.0

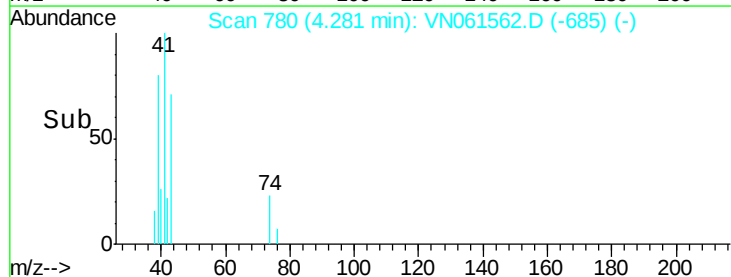
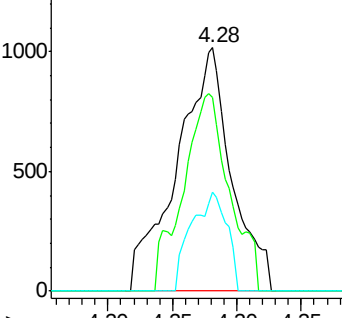
76 26.3 34.2 51.4#

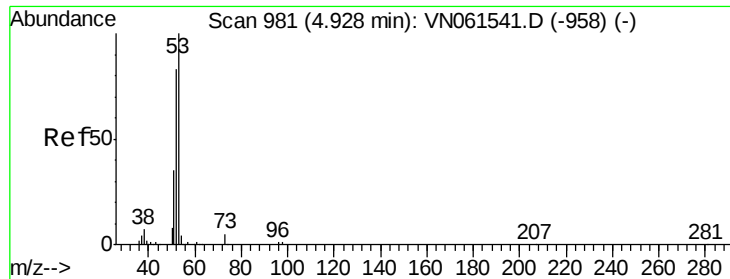


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 2.787 ug/l m

RT: 4.94 min Scan# 986

Delta R.T. 0.02 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Instrument :

MSVOA_N

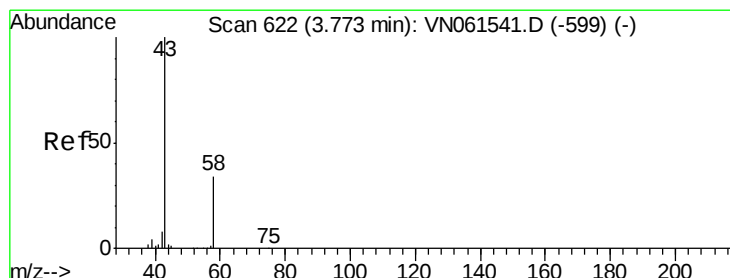
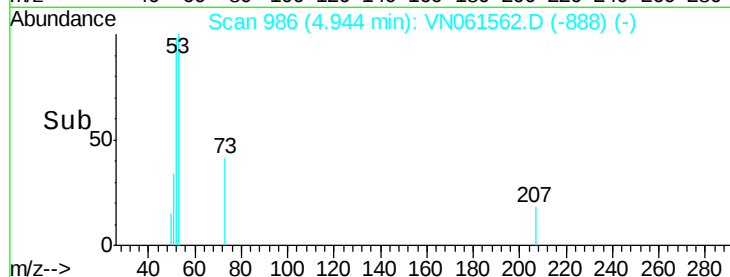
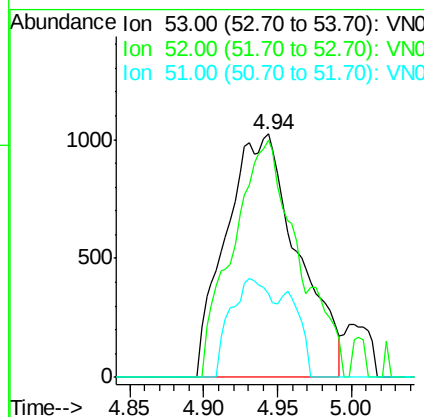
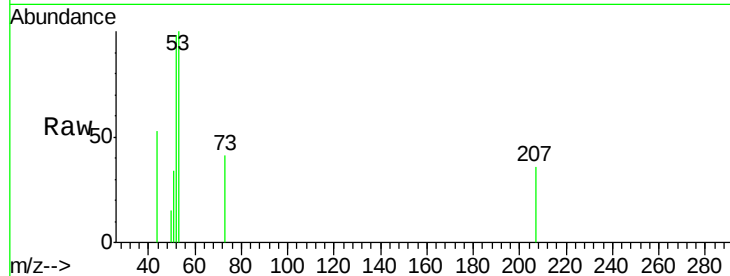
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	53	Resp:	3455
Ion Ratio	Lower	Upper	
53	100		
52	89.3	65.4	98.2
51	23.9	29.0	43.6#

Manual Integrations
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6/1/2020 12:30:05 PM



#16

Acetone

Concen: 4.363 ug/l

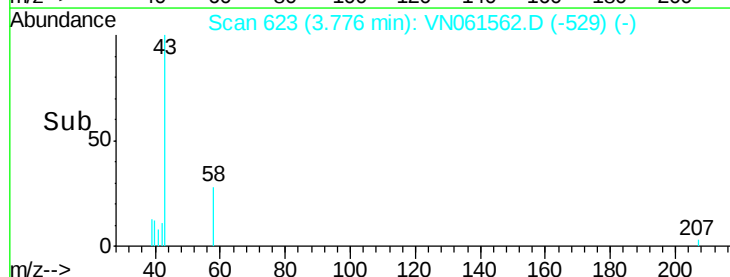
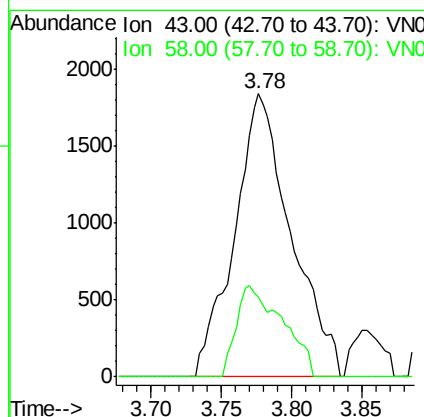
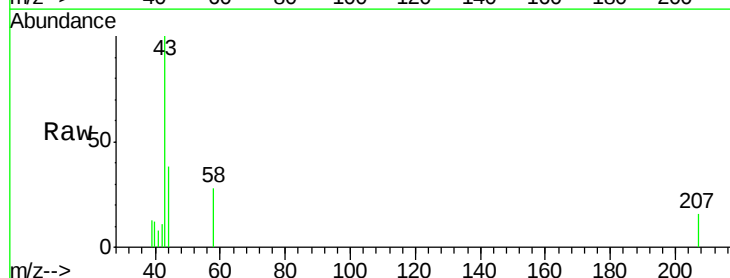
RT: 3.78 min Scan# 623

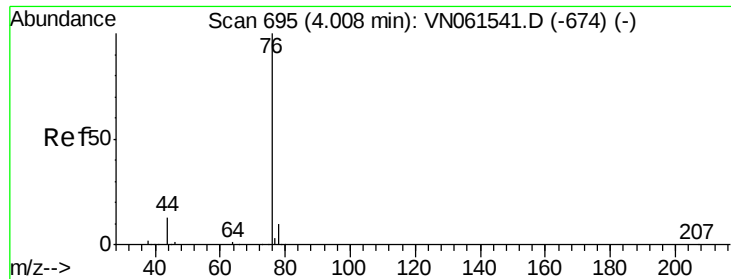
Delta R.T. 0.00 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Tgt Ion:	43	Resp:	5154
Ion Ratio	Lower	Upper	
43	100		
58	28.1	27.2	40.8





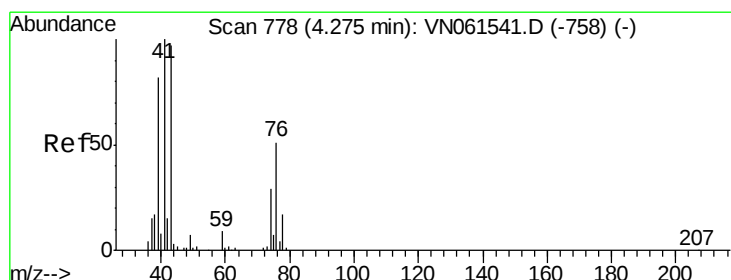
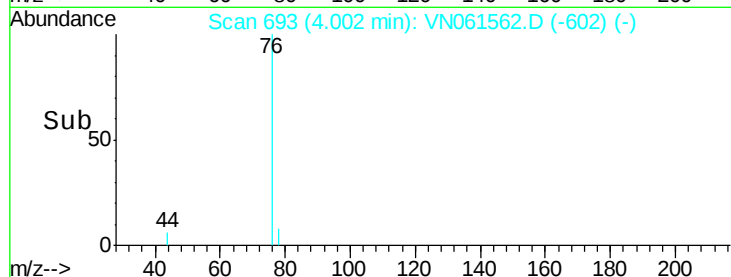
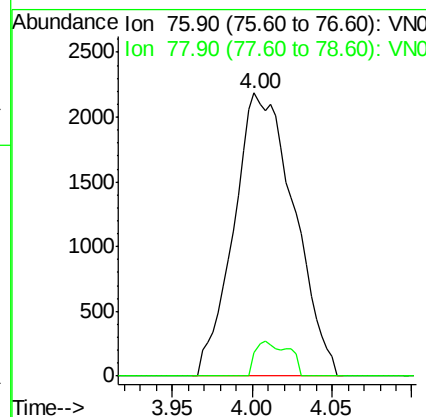
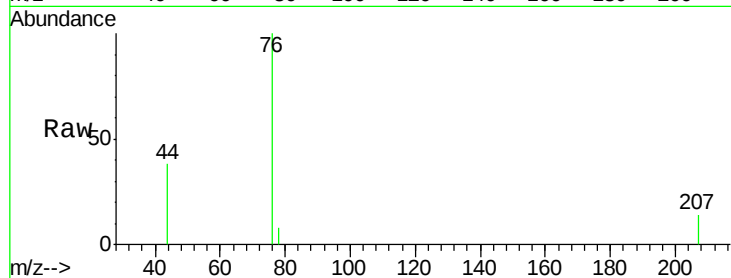
#17
Carbon Disulfide
Concen: 0.895 ug/l
RT: 4.00 min Scan# 693
Delta R.T. -0.01 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion: 76 Resp: 5643
Ion Ratio Lower Upper
76 100
78 8.4 7.8 11.6

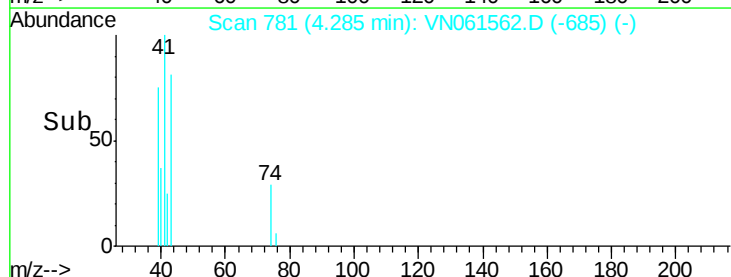
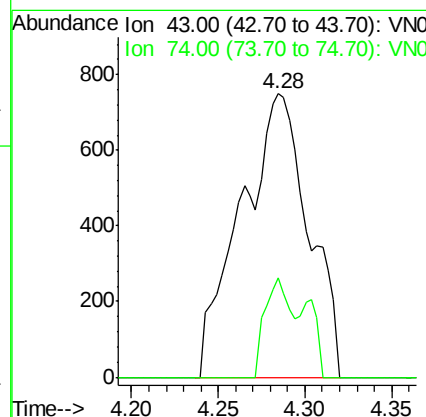
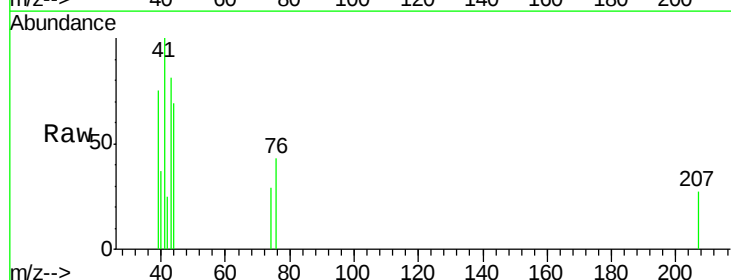
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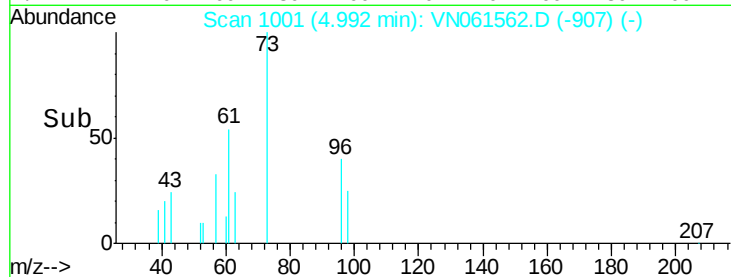
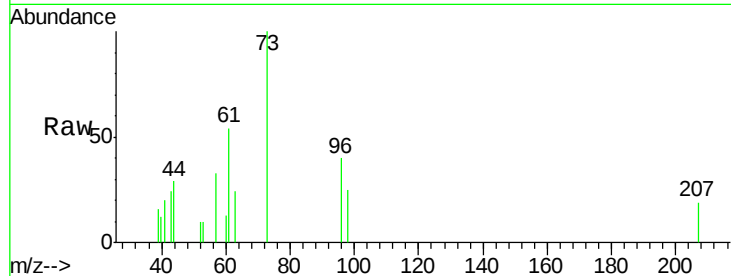
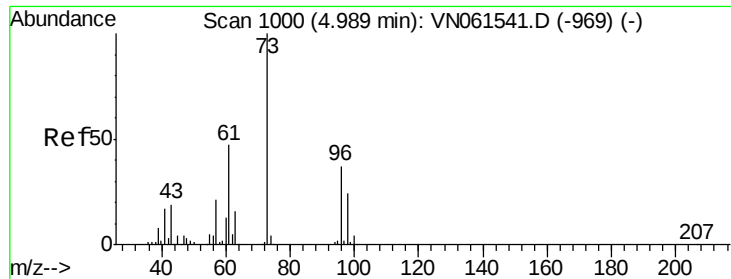
MMDadoda
6/1/2020 12:30:05 PM



#18
Methyl Acetate
Concen: 0.671 ug/l m
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Tgt Ion: 43 Resp: 2030
Ion Ratio Lower Upper
43 100
74 13.3 23.2 34.8#





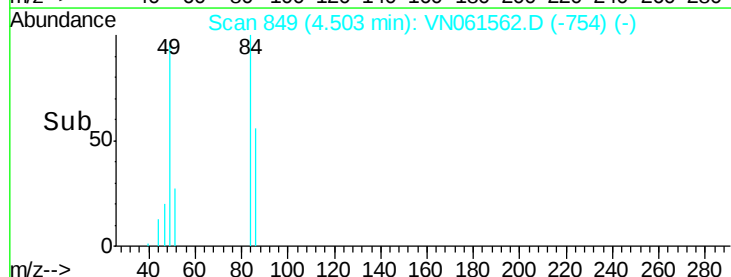
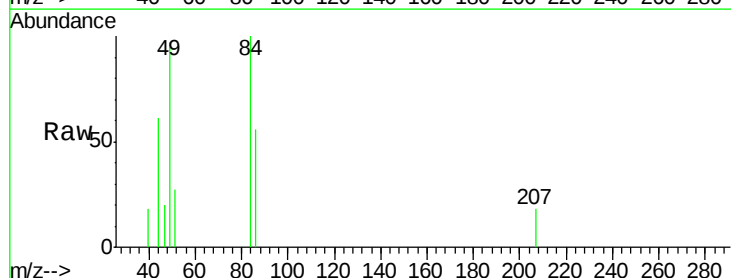
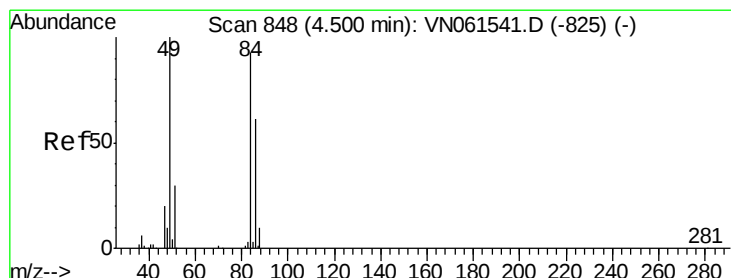
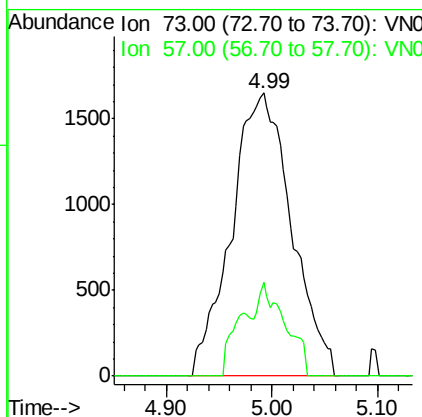
#19
Methvl tert-butvl Ether
Concen: 0.671 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Tot Ion: 73 Resp: 6548
Ion Ratio Lower Upper
73 100
57 33.2 16.4 24.6#

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2020DL

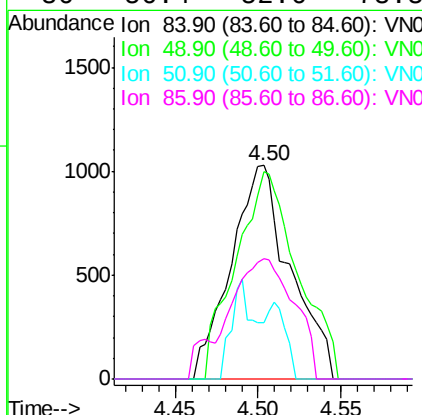
Manual Integrations
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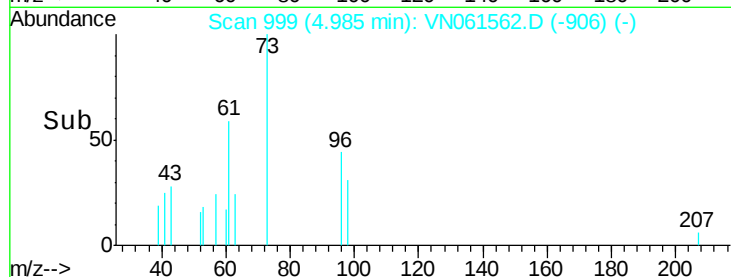
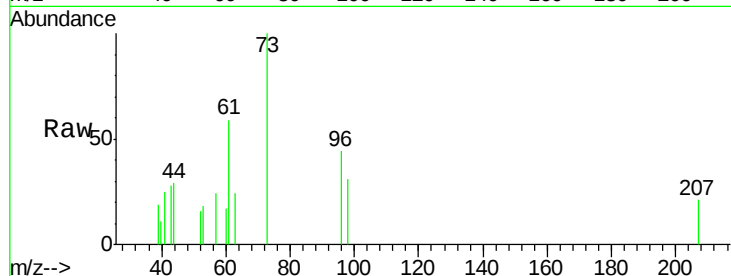
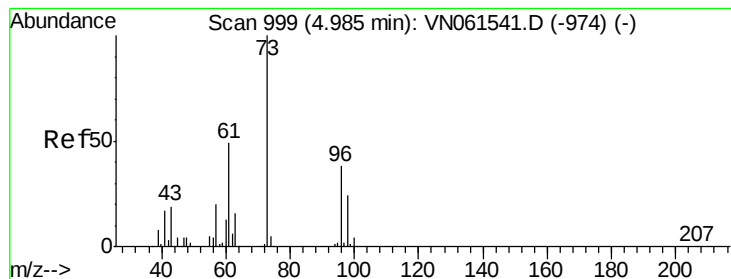
MMDadoda
6/1/2020 12:30:05 PM



#20
Methylene Chloride
Concen: 0.622 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Tgt Ion: 84 Resp: 2548
Ion Ratio Lower Upper
84 100
49 97.0 85.8 128.8
51 26.7 26.2 39.2
86 56.4 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 0.703 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Tot Ion:	96	Resp:	2272
Ion	Ratio	Lower	Upper
96	100		
61	134.0	101.4	152.0
98	70.2	50.6	76.0

Instrument :

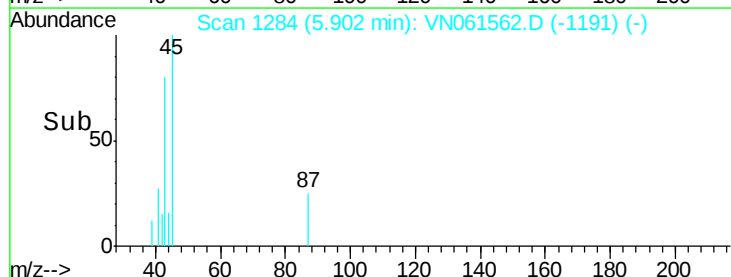
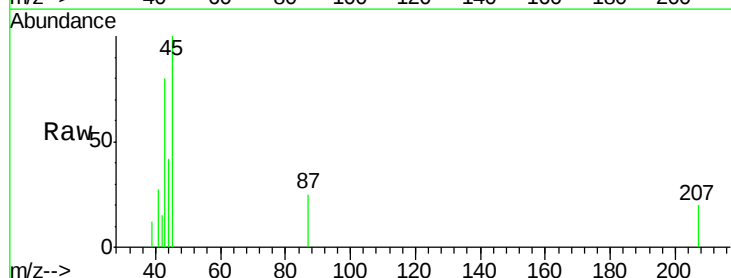
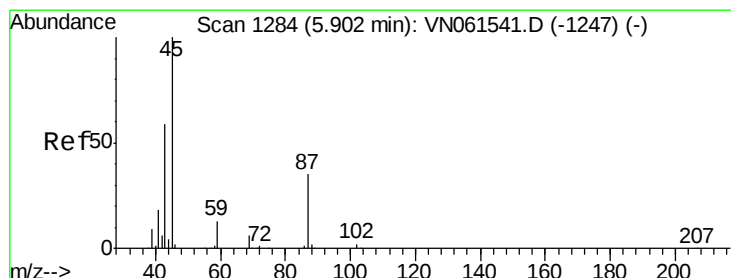
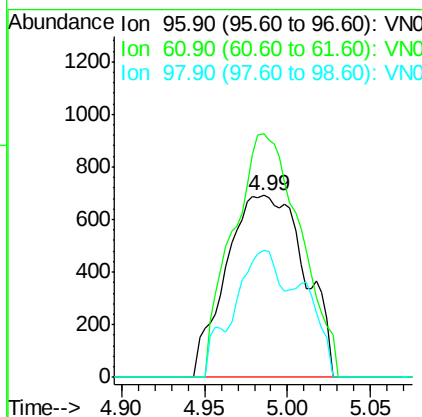
MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Manual Integrations
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MMDadoda
6/1/2020 12:30:05 PM



#22

Diisopropyl ether

Concen: 0.666 ug/l

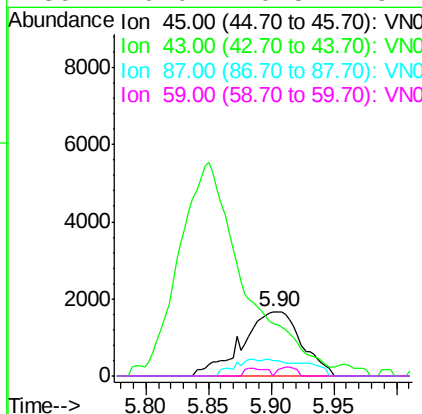
RT: 5.90 min Scan# 1284

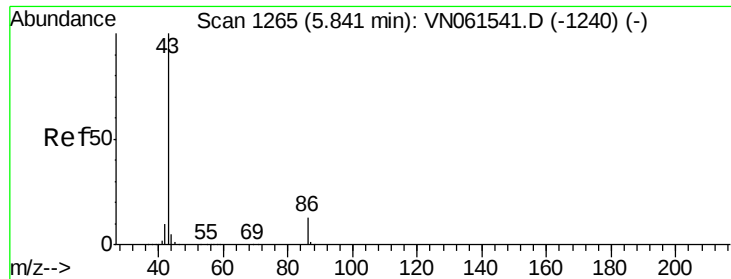
Delta R.T. 0.00 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Tgt Ion:	45	Resp:	5493
Ion	Ratio	Lower	Upper
45	100		
43	64.6	47.9	71.9
87	24.6	28.4	42.6#
59	0.0	10.5	15.7#





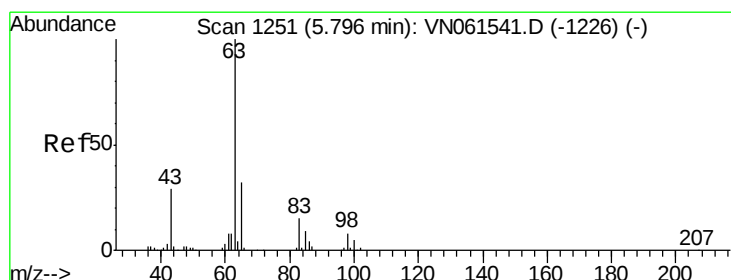
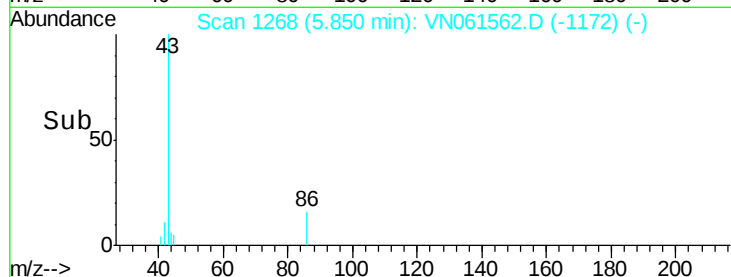
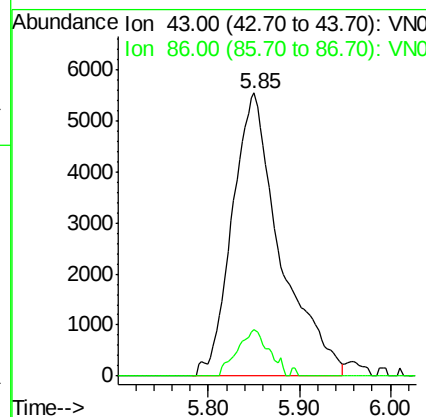
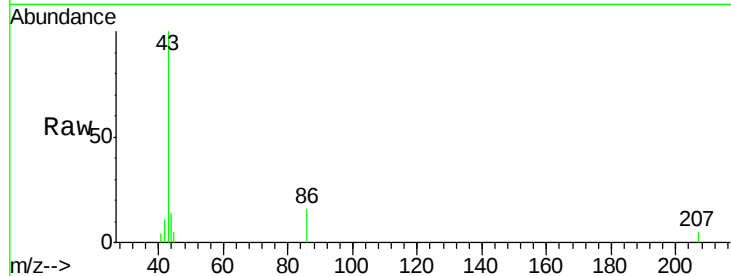
#23
 Vinyl Acetate
 Concen: 3.092 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.01 min
 Lab File: VN061562.D
 Acq: 29 May 2020 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion: 43 Resp: 20338
 Ion Ratio Lower Upper
 43 100
 86 16.2 10.6 16.0#

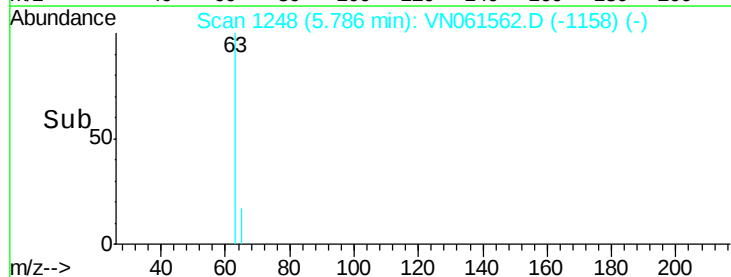
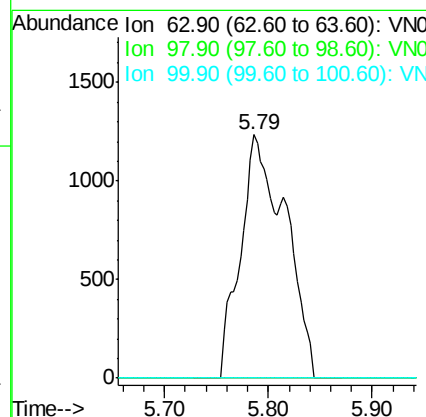
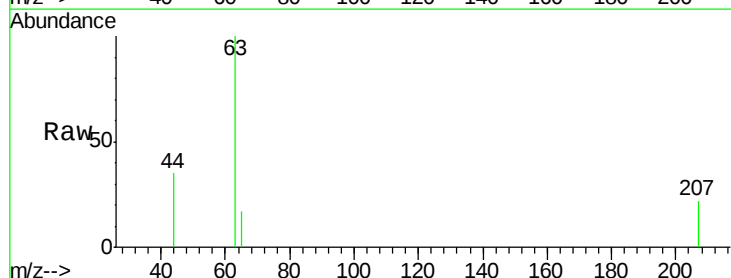
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 6/1/2020 12:30:05 PM



#24
 1,1-Dichloroethane
 Concen: 0.709 ug/l m
 RT: 5.79 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VN061562.D
 Acq: 29 May 2020 13:15

Tgt Ion: 63 Resp: 3709
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.8 11.4#
 100 0.0 2.5 7.6#





#25

2-Butanone

Concen: 2.974 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 43 Resp: 4707

Ion Ratio Lower Upper

43 100

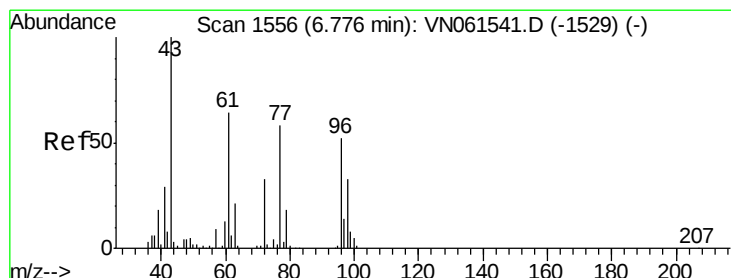
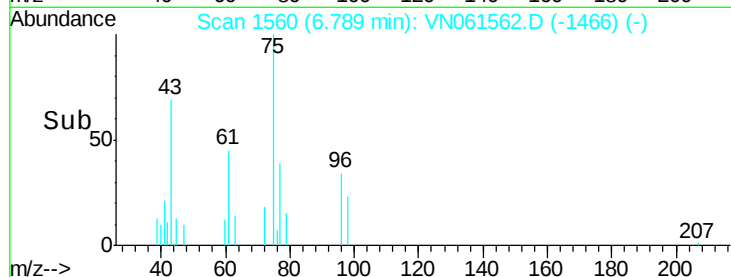
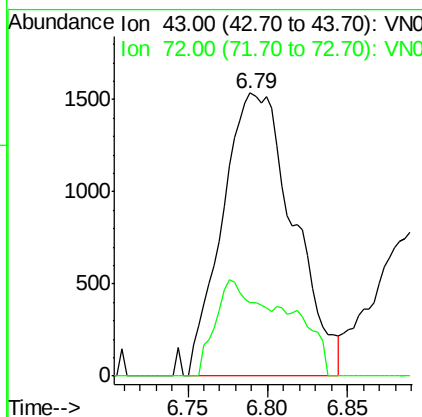
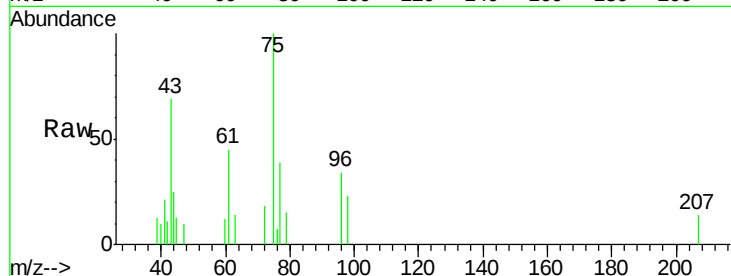
72 26.0 26.0 39.0

Manual Integrations

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MMDadoda

6/1/2020 12:30:05 PM



#26

2,2-Dichloropropane

Concen: 0.738 ug/l m

RT: 6.77 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VN061562.D

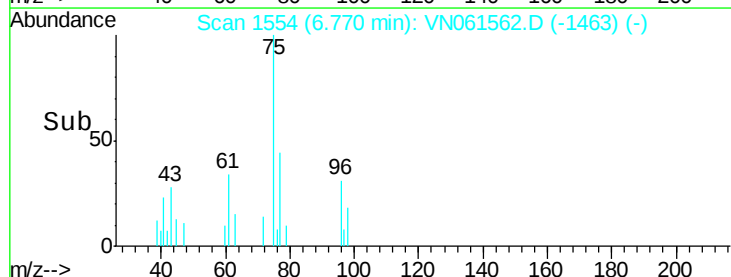
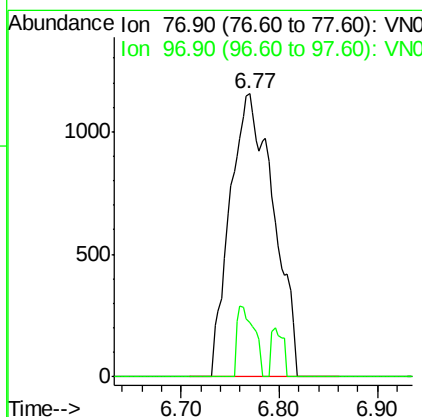
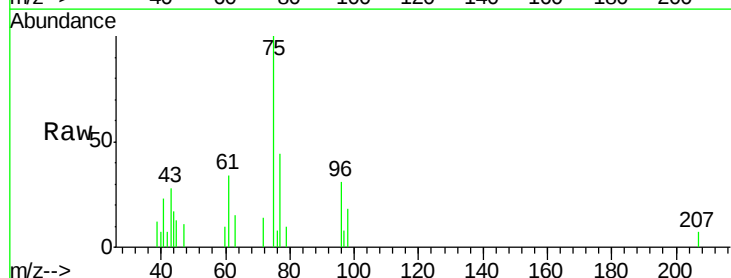
Acq: 29 May 2020 13:15

Tgt Ion: 77 Resp: 3537

Ion Ratio Lower Upper

77 100

97 9.8 12.0 36.0#





#27

cis-1,2-Dichloroethene

Concen: 0.673 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Instrument :

MSVOA_N

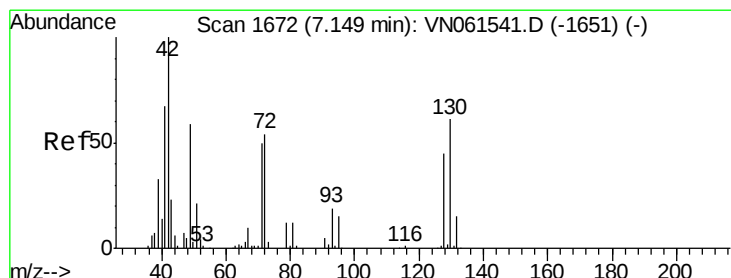
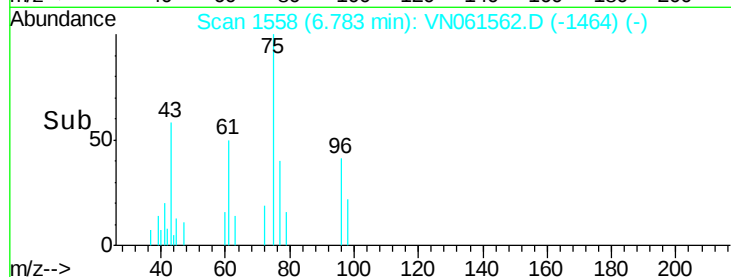
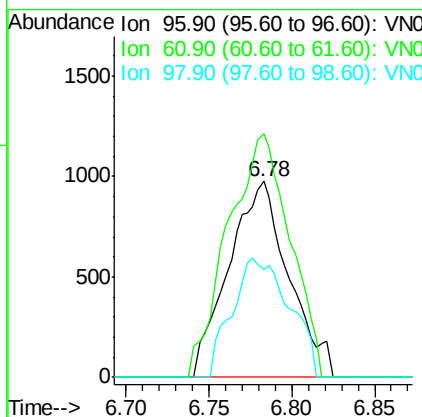
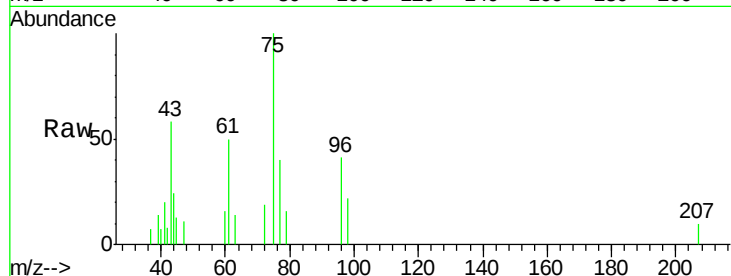
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	96	Resp:	2460
Ion	Ratio	Lower	Upper
96	100		
61	127.7	0.0	252.2
98	58.2	0.0	129.2

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#28

Bromochloromethane

Concen: 0.735 ug/l m

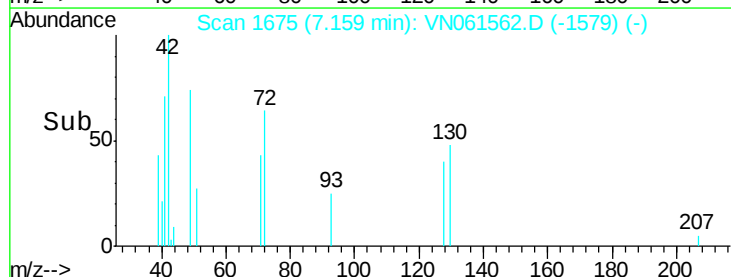
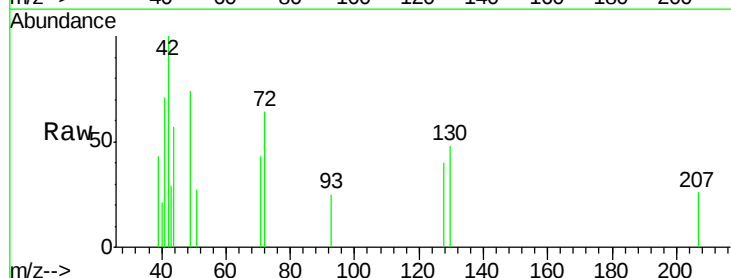
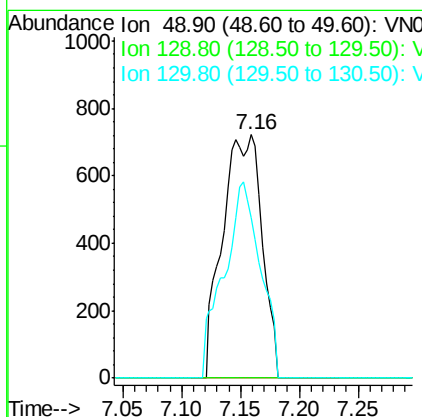
RT: 7.16 min Scan# 1675

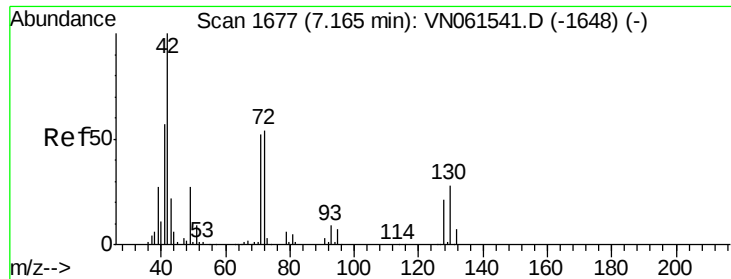
Delta R.T. 0.01 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Tgt Ion:	49	Resp:	1660
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	75.4	78.8	118.2#





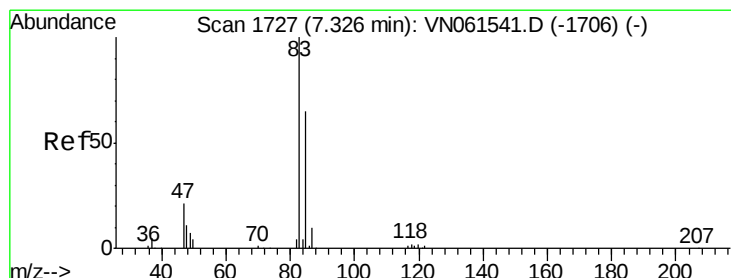
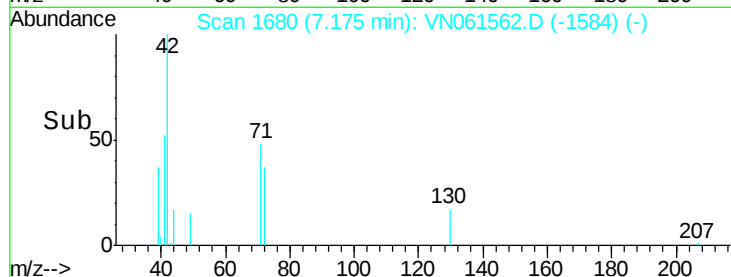
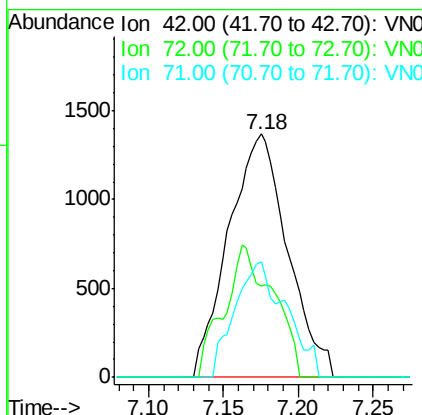
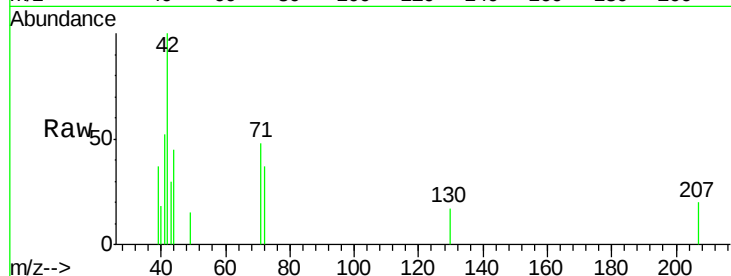
#29
Tetrahydrofuran
Concen: 3.596 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	43.6	65.4
71	41.2	41.2	61.8

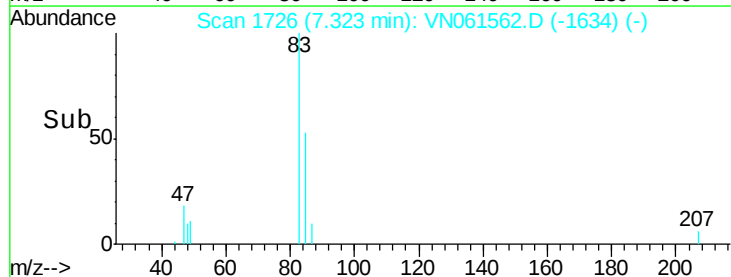
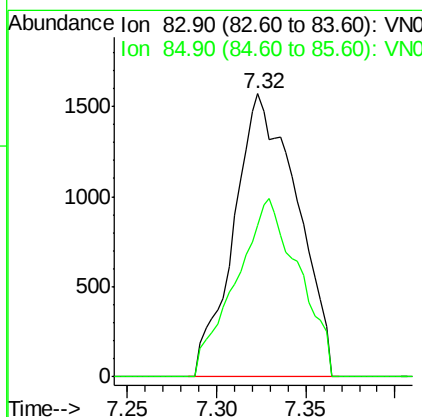
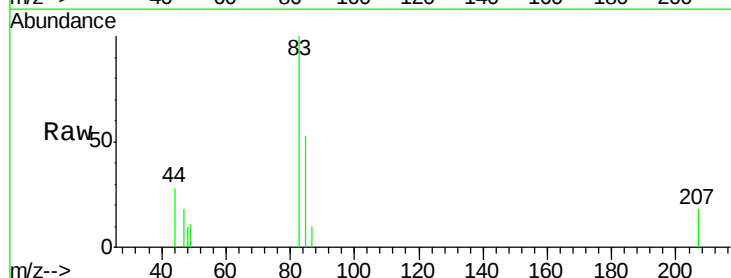
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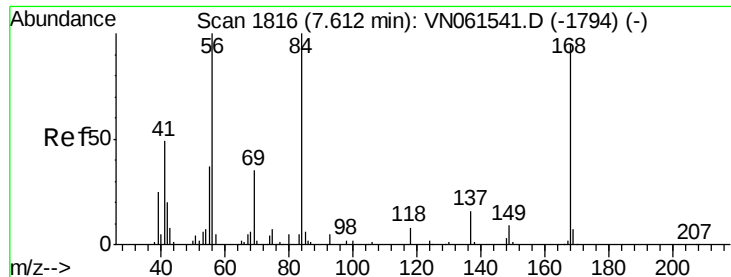
MMDadoda
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#30
Chloroform
Concen: 0.669 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	53.4	51.7	77.5





#31

Cyclohexane

Concen: 1.861 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. 0.01 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Instrument :

MSVOA_N

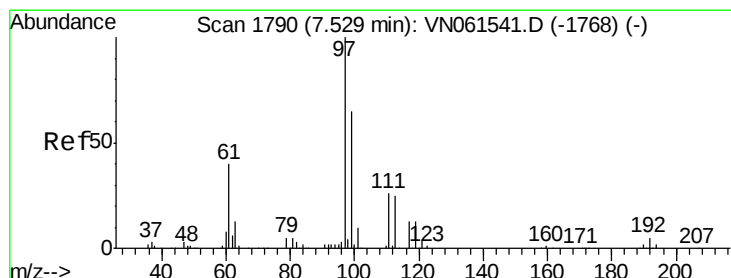
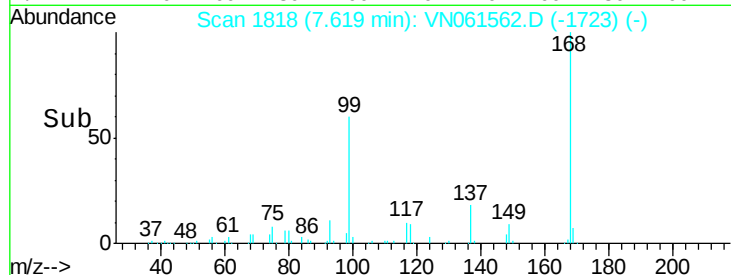
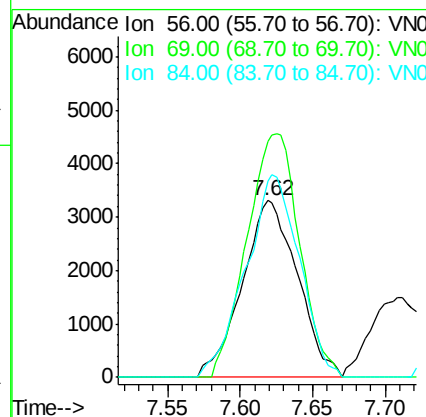
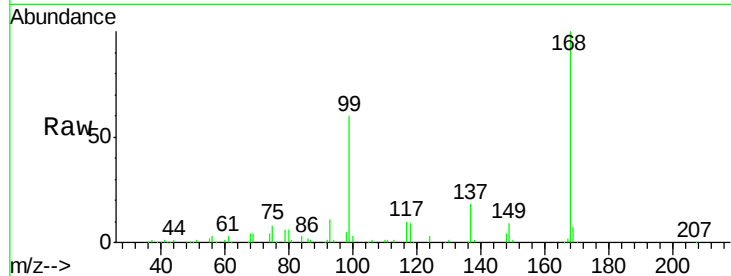
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
56	100		
69	133.3	27.8	41.8#
84	111.1	79.9	119.9

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#32

1,1,1-Trichloroethane

Concen: 0.658 ug/l

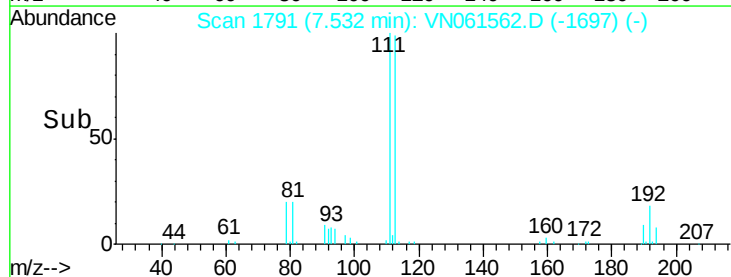
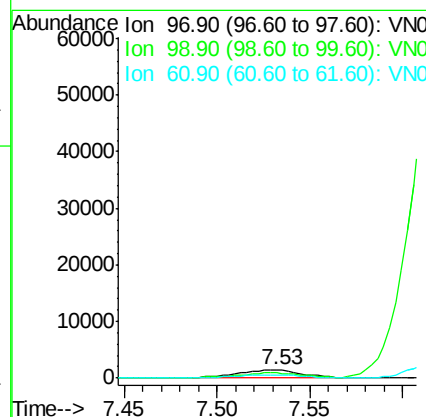
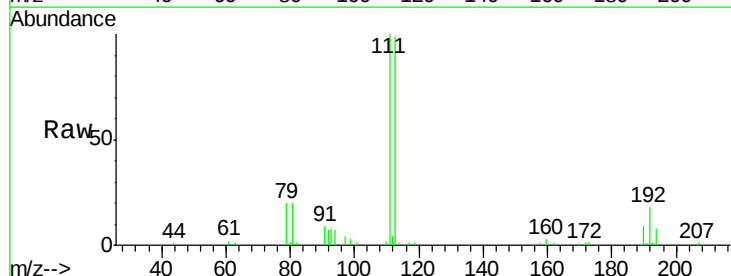
RT: 7.53 min Scan# 1791

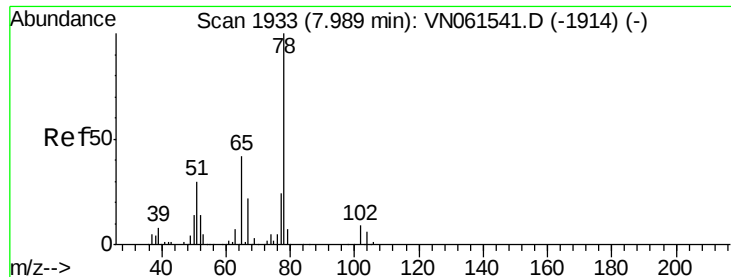
Delta R.T. 0.00 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.4	77.0#
61	40.9	31.4	47.0





#33

1,2-Dichloroethane-d4

Concen: 57.018 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 65 Resp: 190422

Ion Ratio Lower Upper

65 100

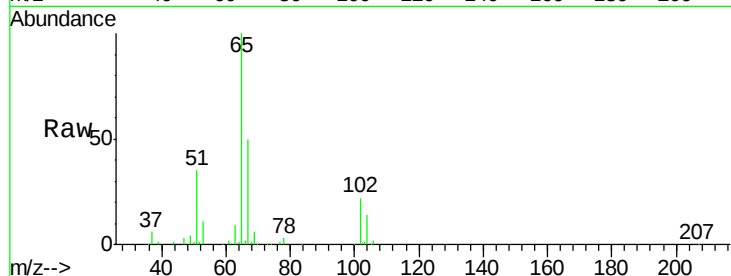
67 51.2 0.0 104.8

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Abundance Ion 64.90 (64.60 to 65.60): VN061541.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN061541.D (-1914) (-)

7.99

80000

60000

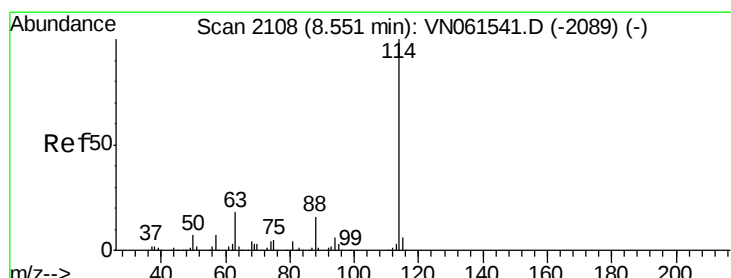
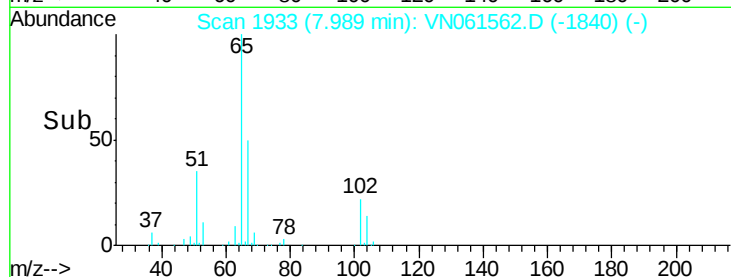
40000

20000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

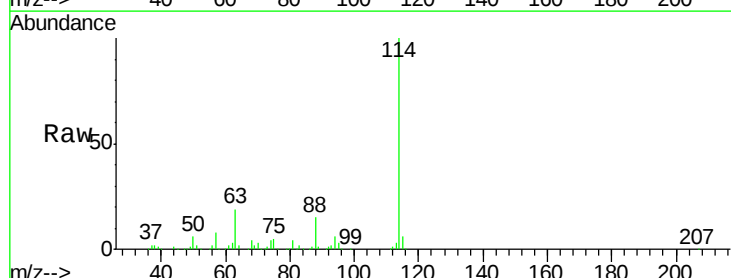
Tgt Ion: 114 Resp: 503158

Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.8

88 15.4 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN061541.D (-2089) (-)

Ion 63.00 (62.70 to 63.70): VN061541.D (-2089) (-)

Ion 87.90 (87.60 to 88.60): VN061541.D (-2089) (-)

8.55

300000

250000

200000

150000

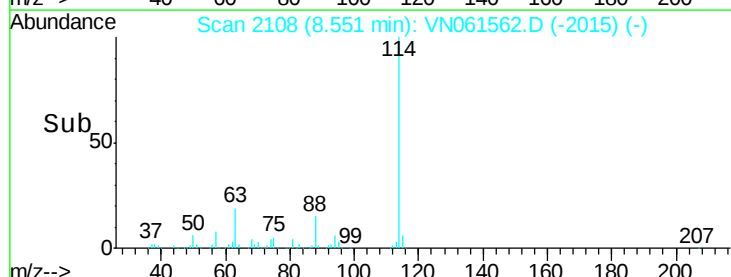
100000

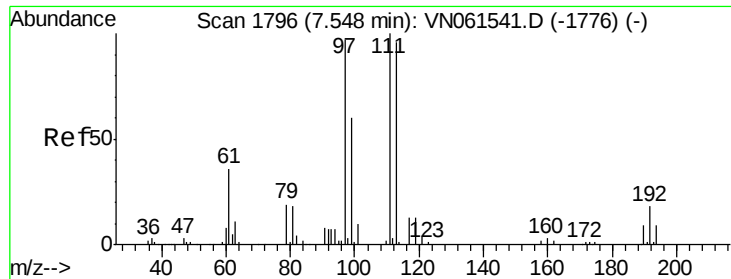
50000

0

8.50 8.60

Time-->





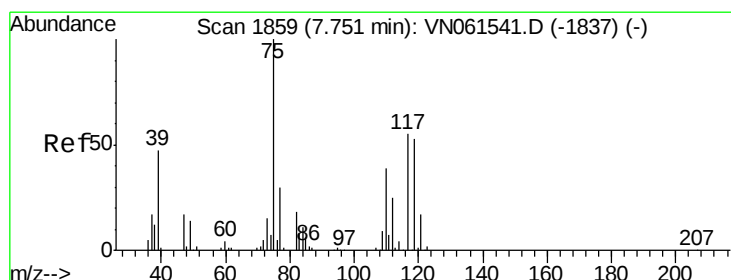
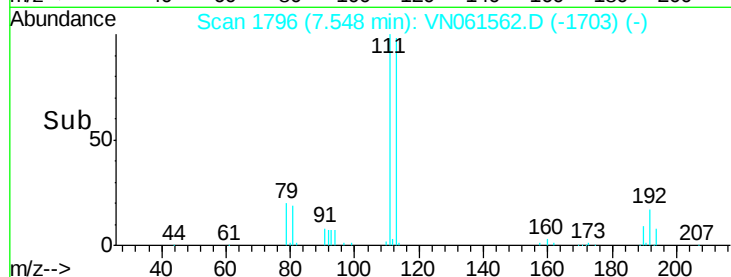
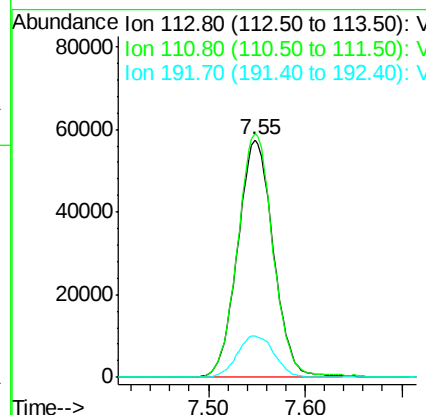
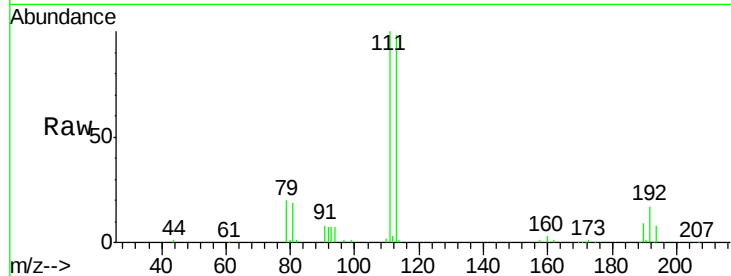
#35
 Dibromofluoromethane
 Concen: 57.743 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061562.D
 Acq: 29 May 2020 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.0	83.4	125.0	
192	18.1	15.4	23.2	

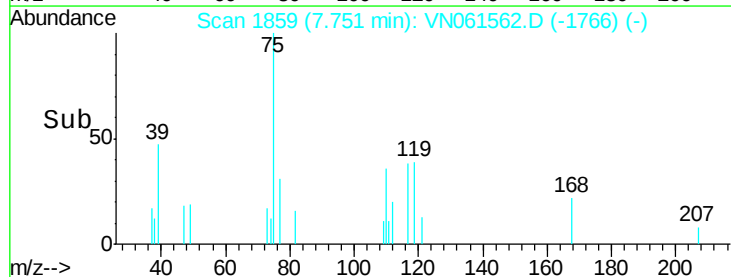
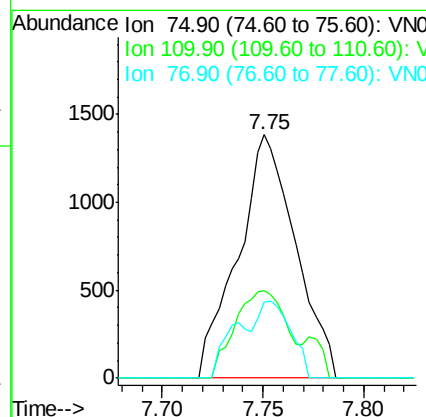
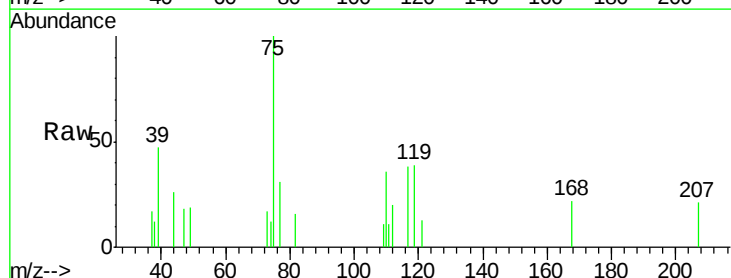
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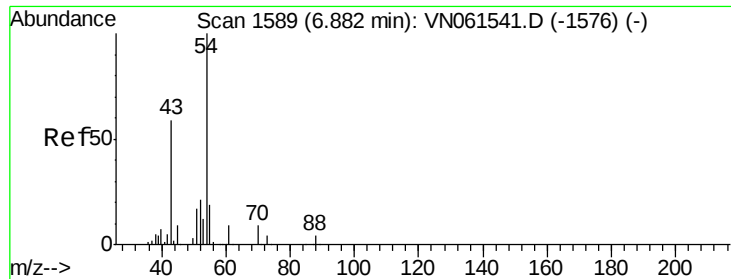
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#36
 1,1-Dichloropropene
 Concen: 0.619 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN061562.D
 Acq: 29 May 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.0	19.5	58.5	
77	18.3	24.7	37.1	





#37

Ethyl Acetate

Concen: 0.695 ug/l

RT: 6.89 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Instrument :

MSVOA_N

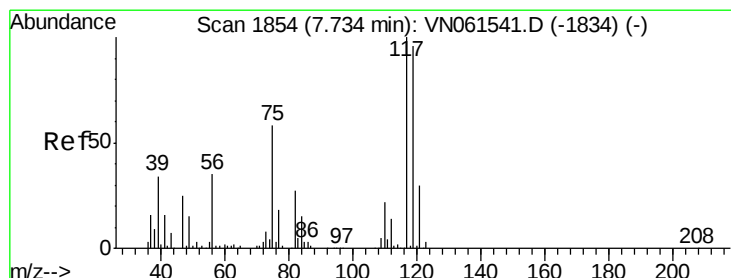
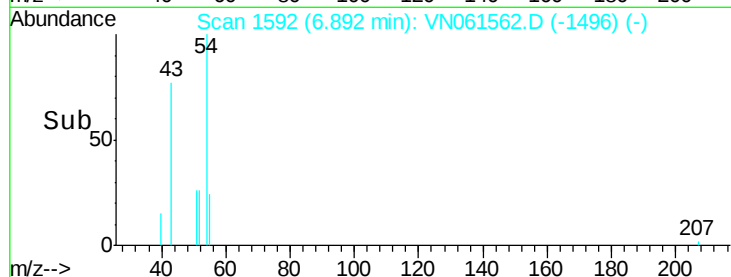
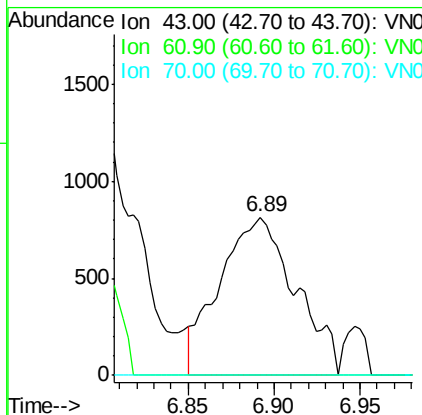
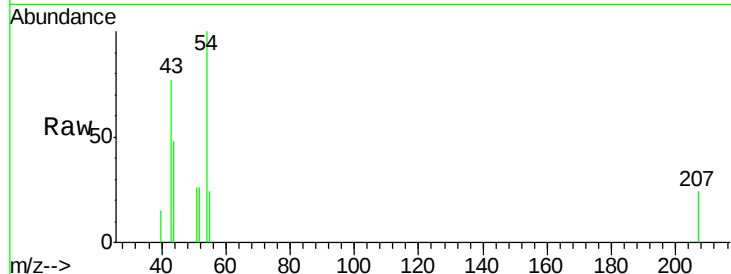
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	43	Resp:	2494
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.2	18.4#
70	0.0	9.4	14.2#

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#38

Carbon Tetrachloride

Concen: 0.531 ug/l

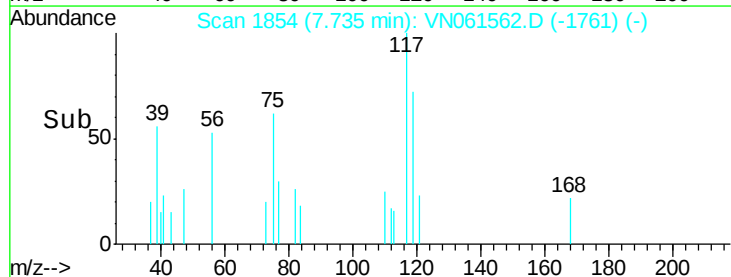
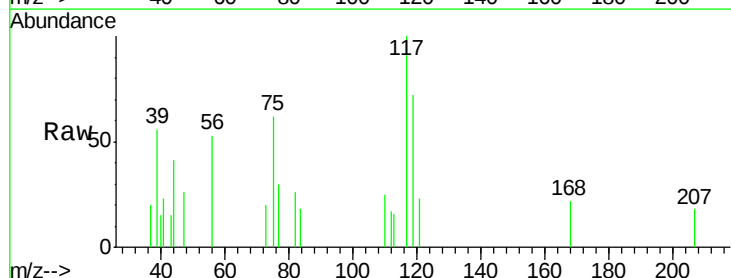
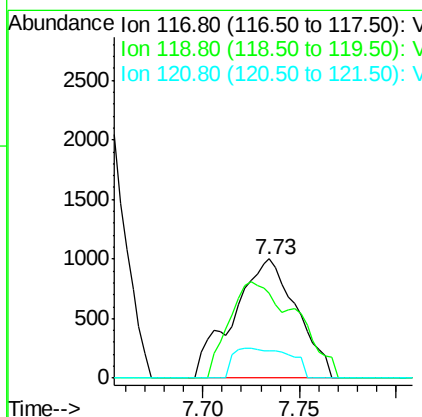
RT: 7.73 min Scan# 1854

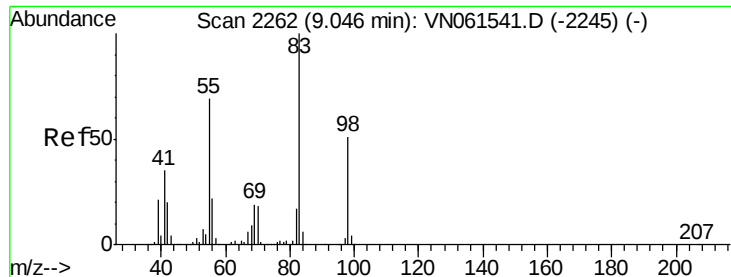
Delta R.T. 0.00 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Tgt Ion:	117	Resp:	2281
Ion	Ratio	Lower	Upper
117	100		
119	71.6	76.5	114.7#
121	23.4	24.1	36.1#





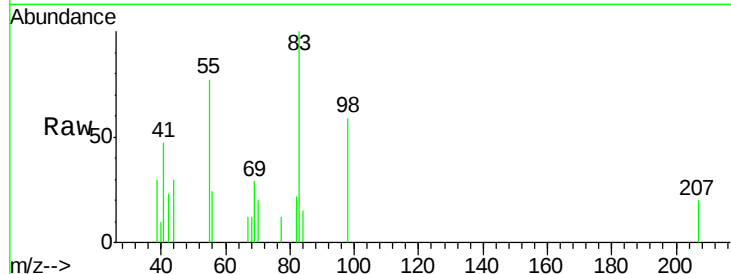
#39
Methvlcvclohexane
Concen: 0.638 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2020DL

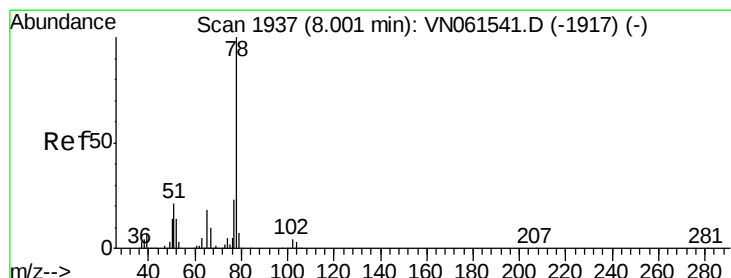
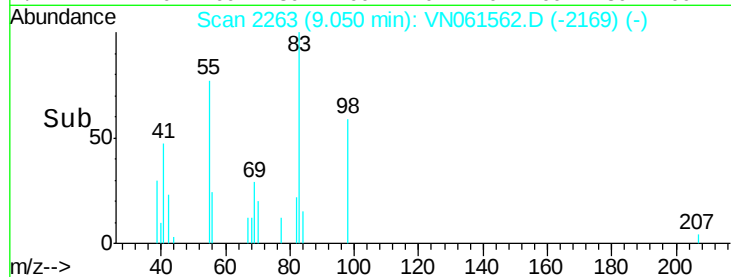
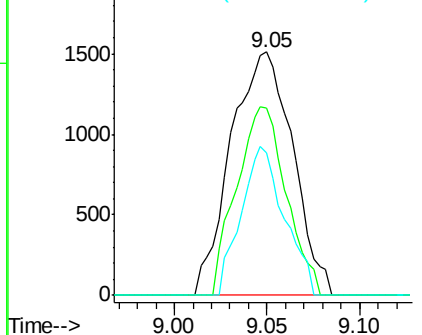
Tot Ion	Ratio	Lower	Upper
83	100		
55	76.8	54.9	82.3
98	58.8	41.0	61.4

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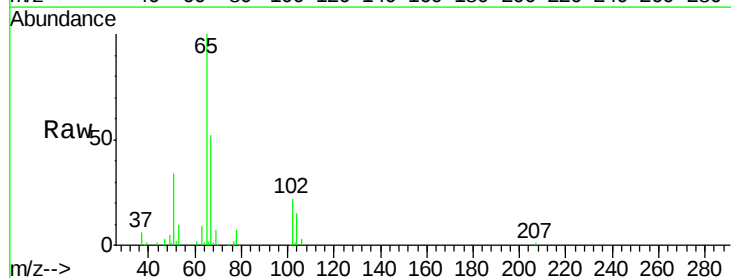


Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

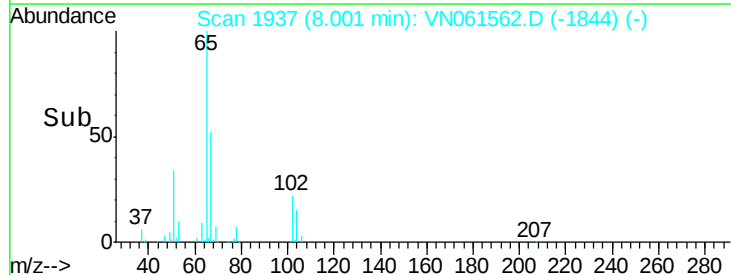
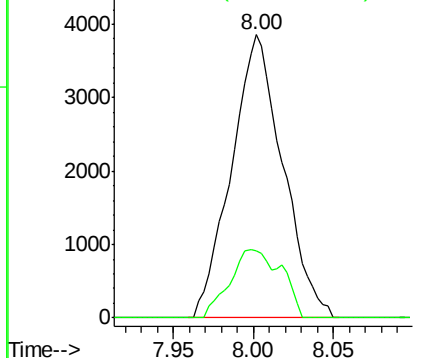


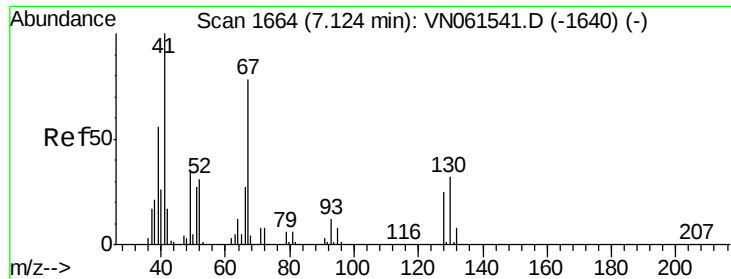
#40
Benzene
Concen: 0.615 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	28.0



Abundance Ion 78.00 (77.70 to 78.70): VNO
Ion 77.00 (76.70 to 77.70): VNO





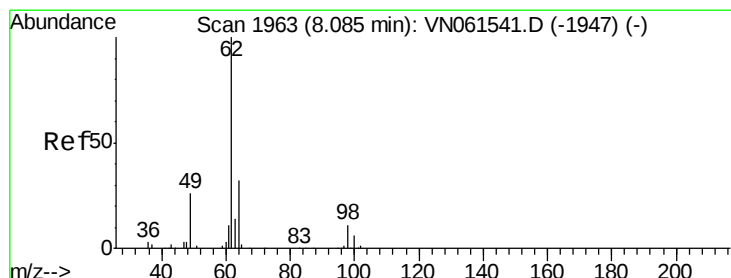
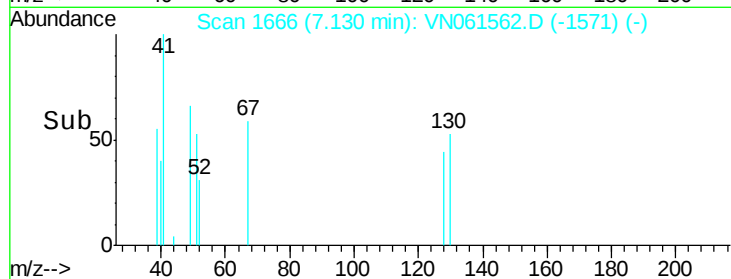
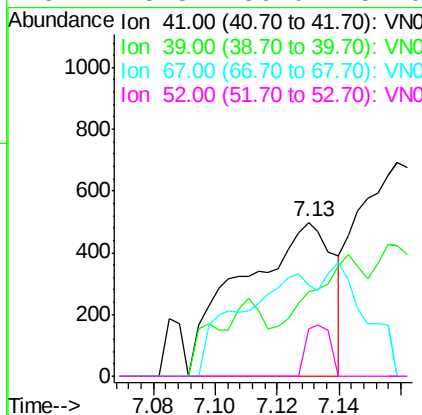
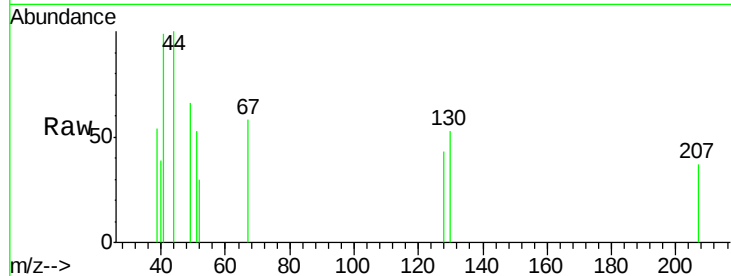
#41
Methacrylonitrile
Concen: 0.621 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	23.2	53.8	80.6#		
67	56.8	91.1	136.7#		
52	8.8	36.0	54.0#		

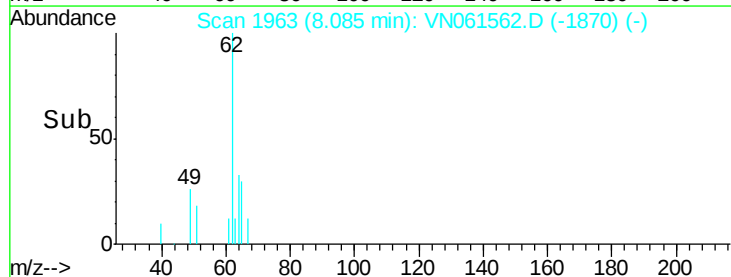
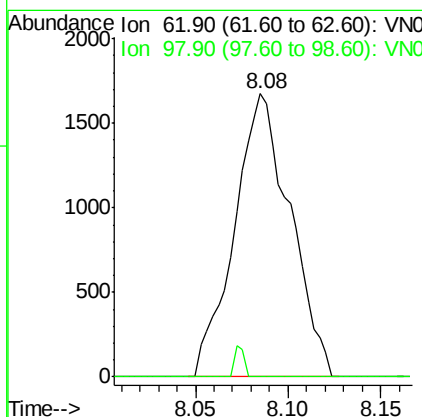
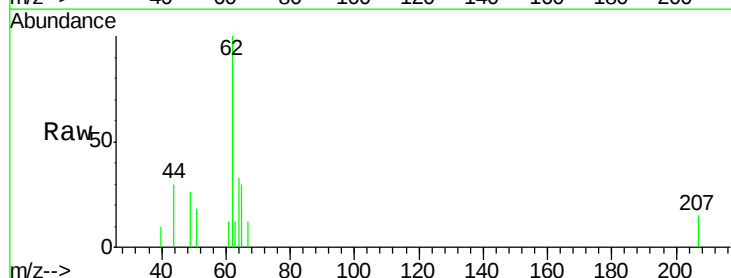
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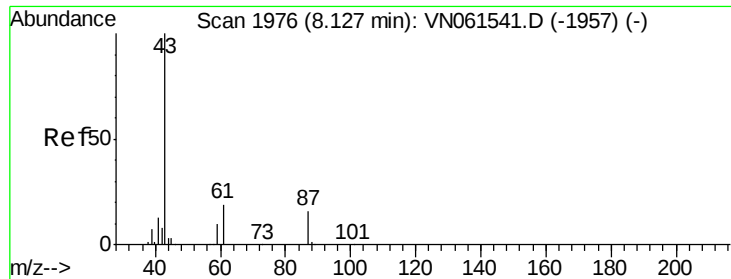
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#42
1,2-Dichloroethane
Concen: 0.760 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	1.9	0.0	21.4		





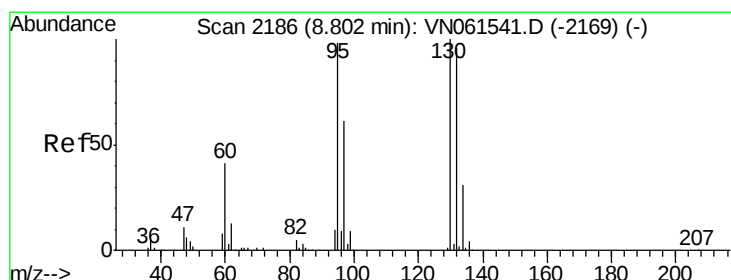
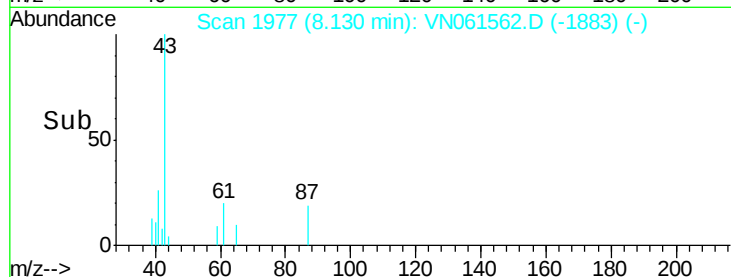
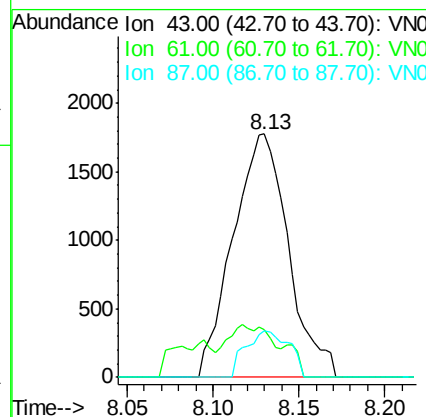
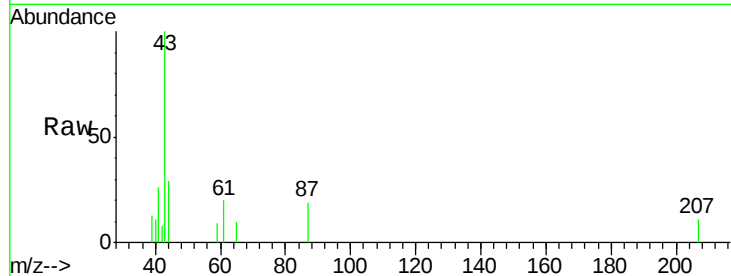
#43
Isopropyl Acetate
Concen: 0.617 ug/l
RT: 8.13 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
43	100		
61	9.5	23.6	35.4#
87	14.9	13.0	19.6

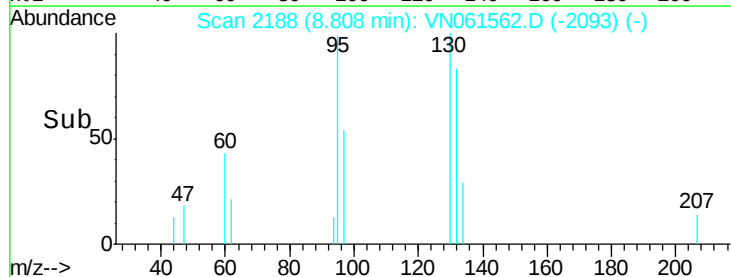
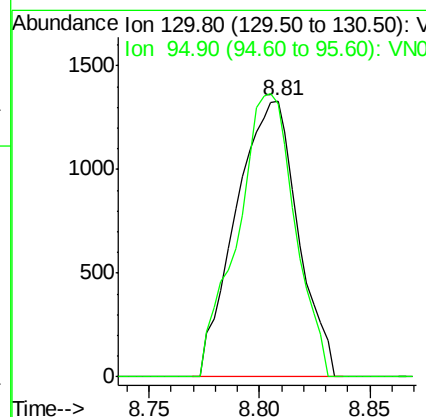
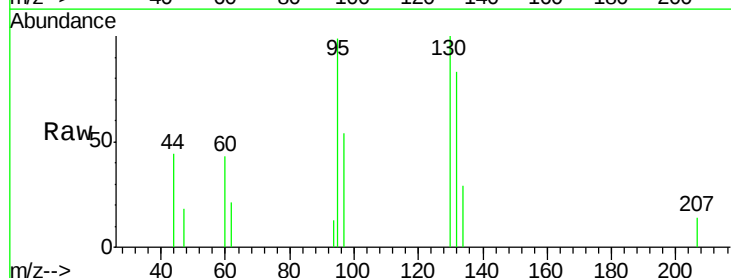
Manual Integrations
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6/1/2020 12:30:05 PM



#44
Trichloroethene
Concen: 0.614 ug/l
RT: 8.81 min Scan# 2188
Delta R.T. 0.01 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	196.6





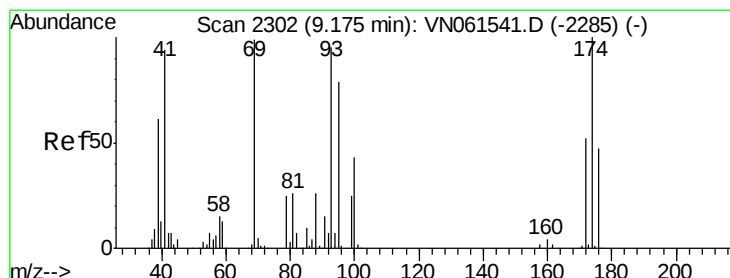
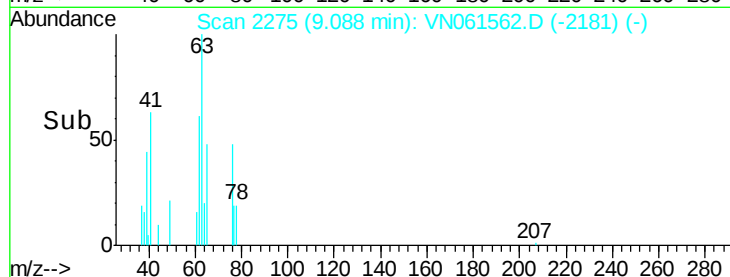
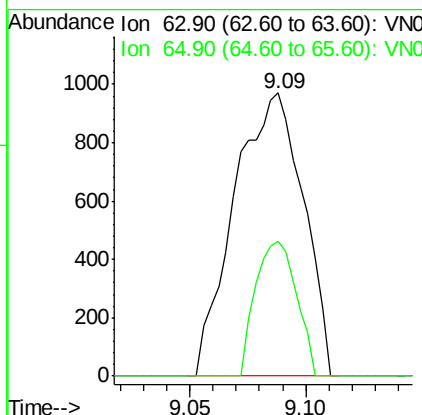
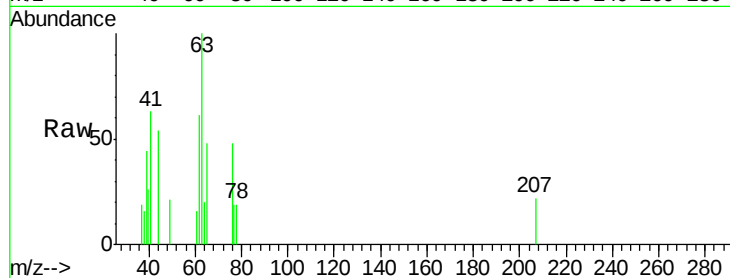
#45
 1,2-Dichloropropane
 Concen: 0.614 ug/l
 RT: 9.09 min Scan# 2275
 Delta R.T. 0.00 min
 Lab File: VN061562.D
 Acq: 29 May 2020 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion: 63 Resp: 2003
 Ion Ratio Lower Upper
 63 100
 65 47.7 24.7 37.1#

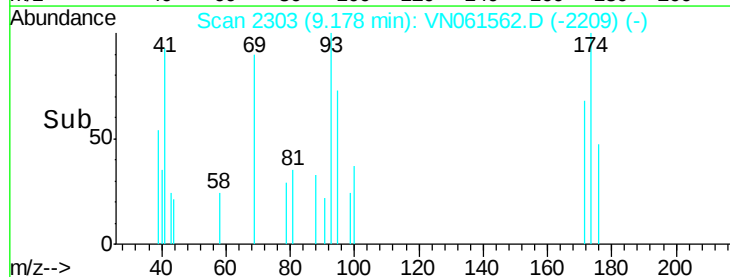
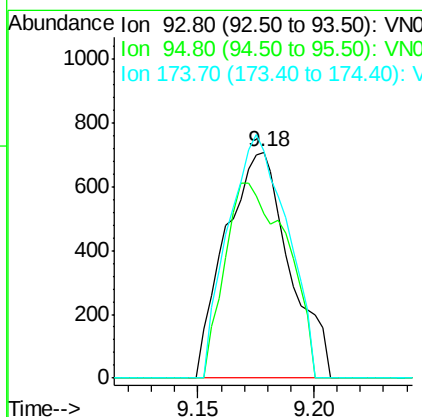
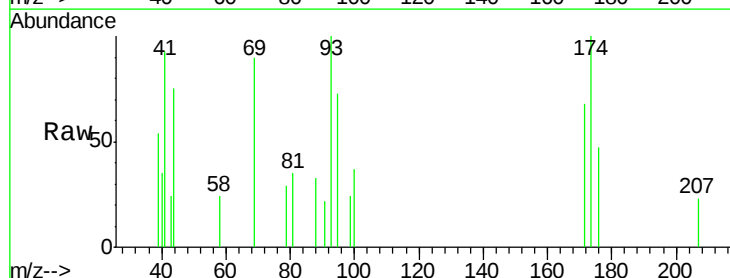
Manual Integrations
 APPROVED

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 6/1/2020 12:30:05 PM



#46
 Dibromomethane
 Concen: 0.543 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN061562.D
 Acq: 29 May 2020 13:15

Tgt Ion: 93 Resp: 1358
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.0 99.0
 174 99.0 82.5 123.7





#47

Bromodichloromethane

Concen: 0.514 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Instrument :

MSVOA_N

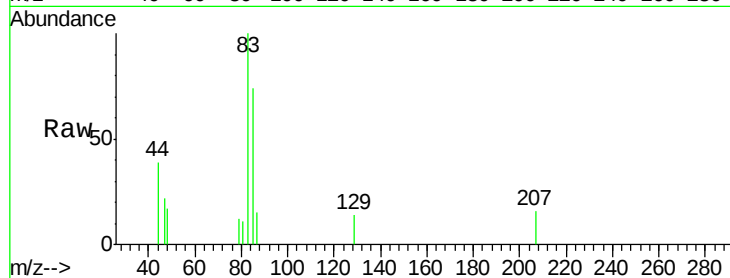
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	83	Resp:	2549
Ion	Ratio	Lower	Upper
83	100		
85	74.2	51.1	76.7
127	0.0	7.2	10.8#

Manual Integrations
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MMDadoda
6/1/2020 12:30:05 PM

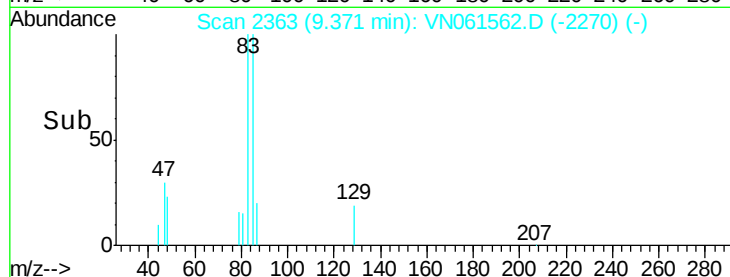


Abundance Ion 82.90 (82.60 to 83.60): VN061541.D (-2346) (-)

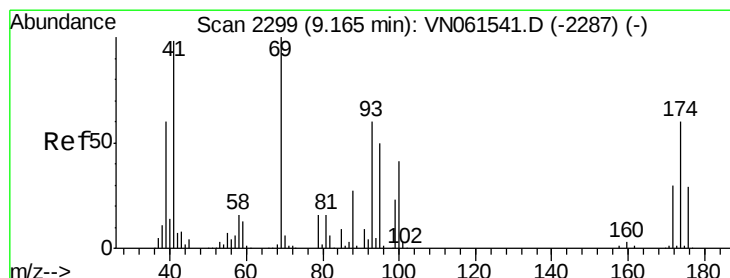
Ion 84.90 (84.60 to 85.60): VN061541.D (-2346) (-)

Ion 126.80 (126.50 to 127.50): VN061541.D (-2346) (-)

Time-->



Time-->



#48

Methyl methacrylate

Concen: 0.613 ug/l

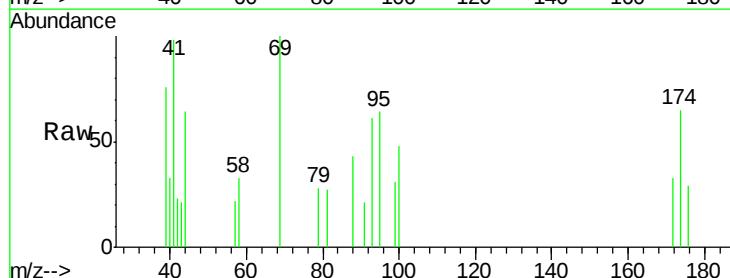
RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Tgt Ion:	41	Resp:	1781
Ion	Ratio	Lower	Upper
41	100		
69	89.7	83.9	125.9
39	65.9	52.1	78.1

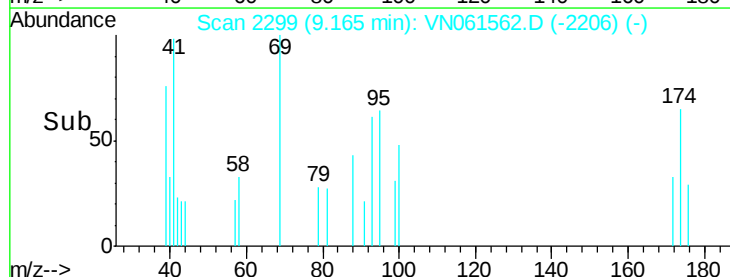


Abundance Ion 41.00 (40.70 to 41.70): VN061541.D (-2287) (-)

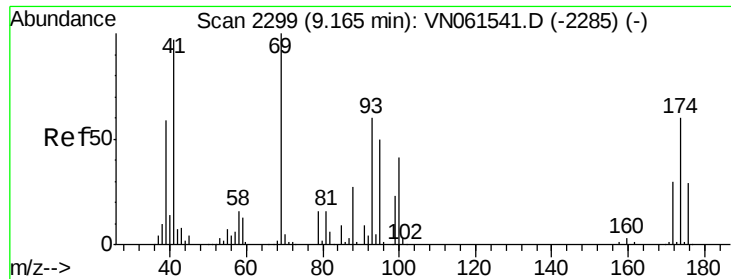
Ion 69.00 (68.70 to 69.70): VN061541.D (-2287) (-)

Ion 39.00 (38.70 to 39.70): VN061541.D (-2287) (-)

Time-->



Time-->



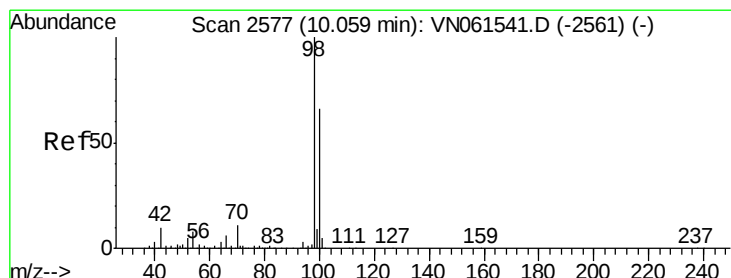
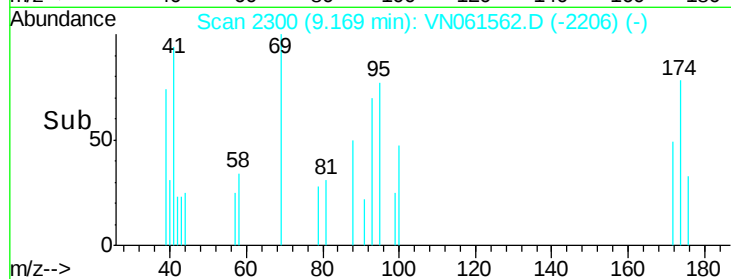
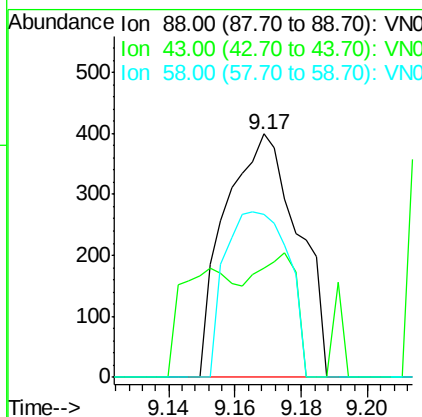
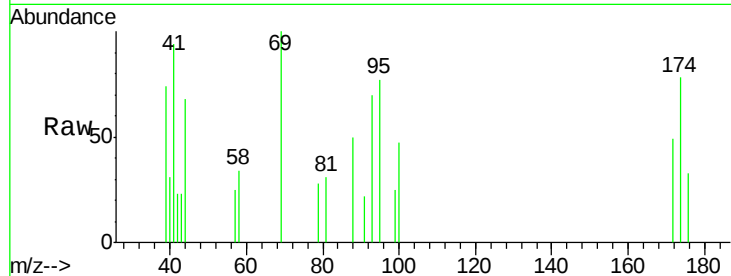
#49
 1,4-Dioxane
 Concen: 13.582 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN061562.D
 Acq: 29 May 2020 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	23.1	34.7#
58	58.8	48.3	72.5

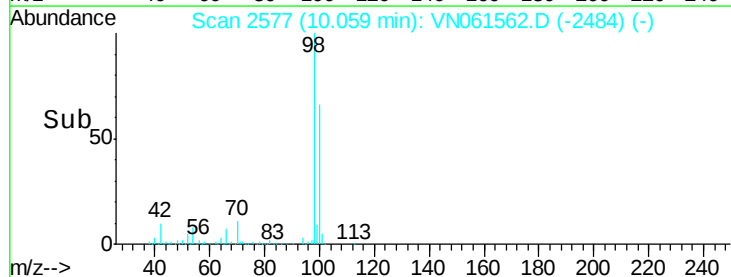
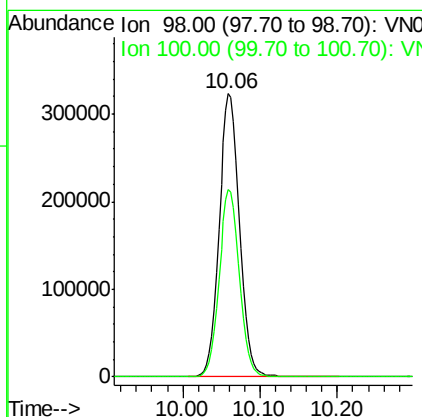
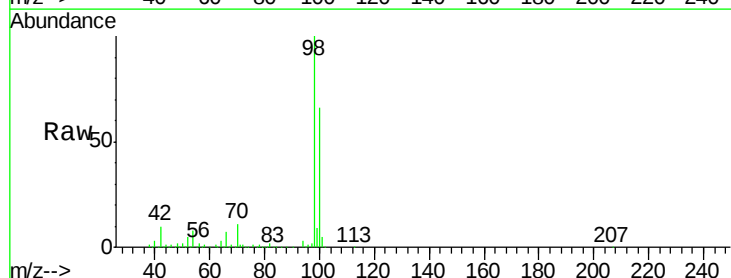
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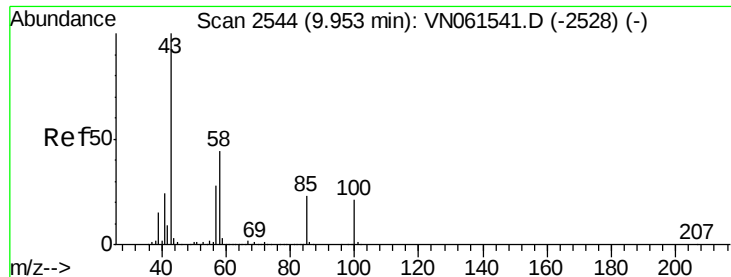
MMDadoda
 6/1/2020 12:30:05 PM



#50
 Toluene-d8
 Concen: 50.280 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN061562.D
 Acq: 29 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.8	79.2





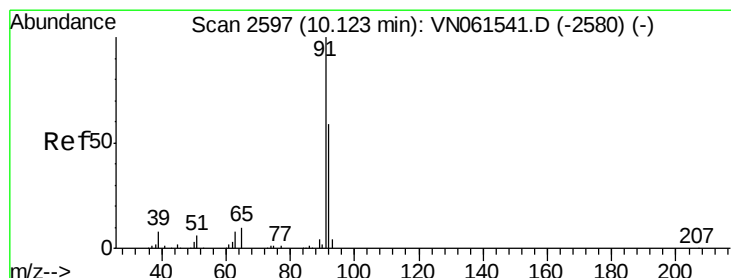
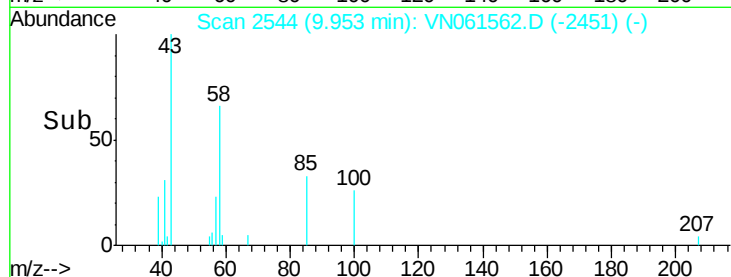
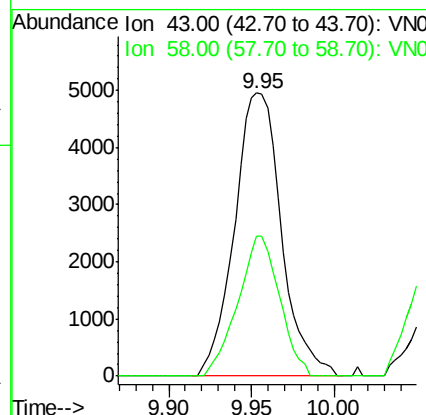
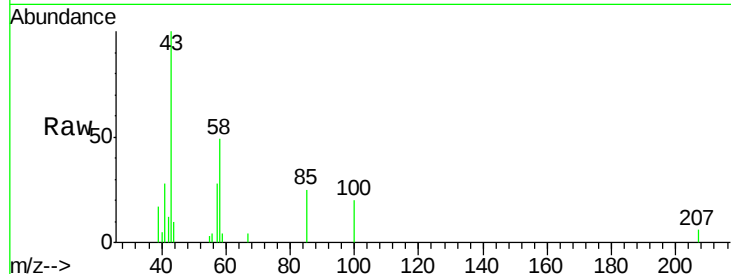
#51
 4-Methyl-2-Pentanone
 Concen: 2.683 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN061562.D
 Acq: 29 May 2020 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion: 43 Resp: 9760
 Ion Ratio Lower Upper
 43 100
 58 43.7 35.0 52.6

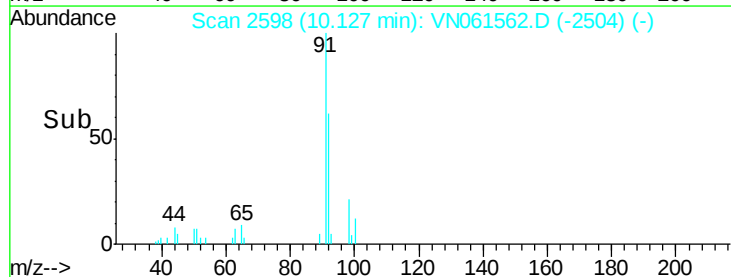
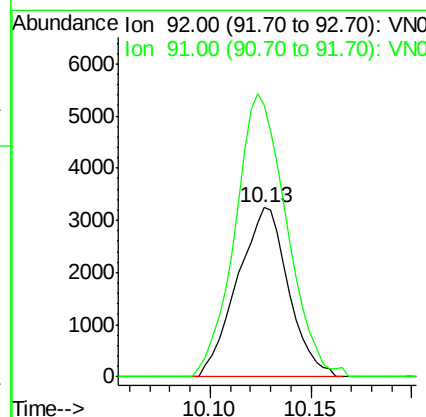
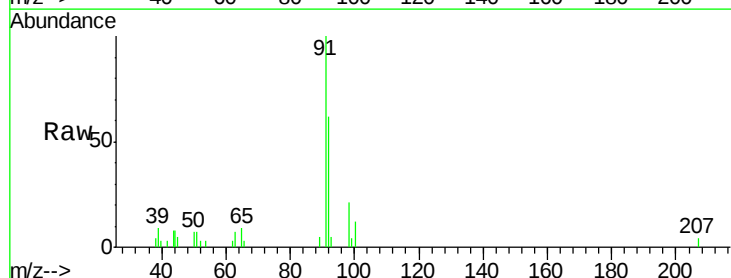
Manual Integrations
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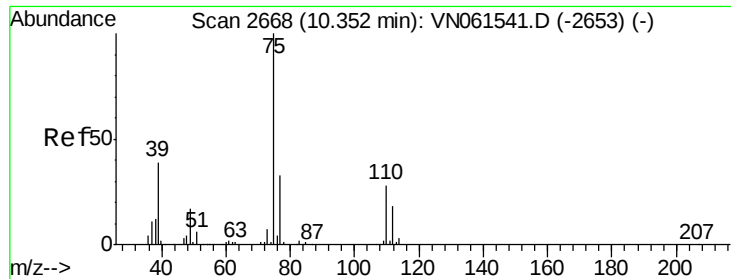
MMDadoda
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#52
 Toluene
 Concen: 0.641 ug/l
 RT: 10.13 min Scan# 2598
 Delta R.T. 0.00 min
 Lab File: VN061562.D
 Acq: 29 May 2020 13:15

Tgt Ion: 92 Resp: 5749
 Ion Ratio Lower Upper
 92 100
 91 168.5 136.4 204.6





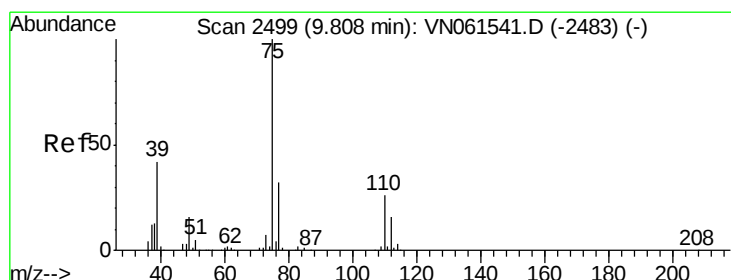
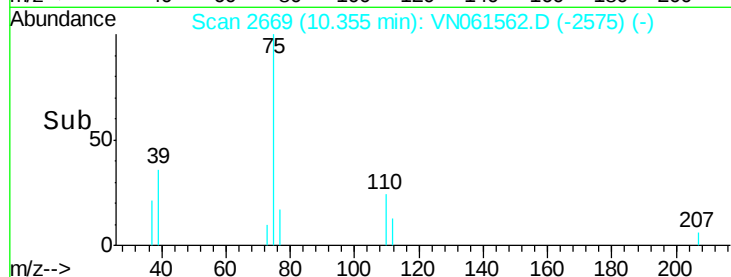
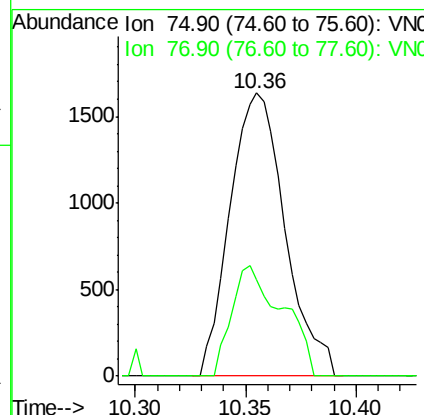
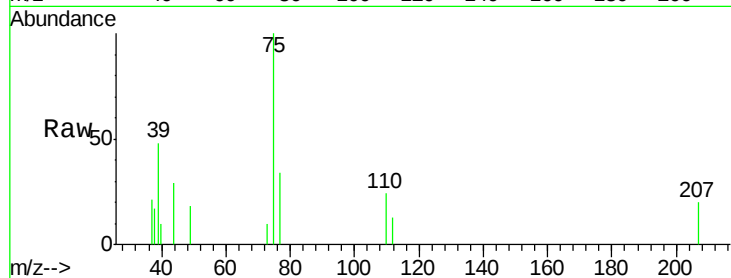
#53
t-1,3-Dichloropropene
Concen: 0.531 ug/l
RT: 10.36 min Scan# 2669
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.9	26.2	39.4

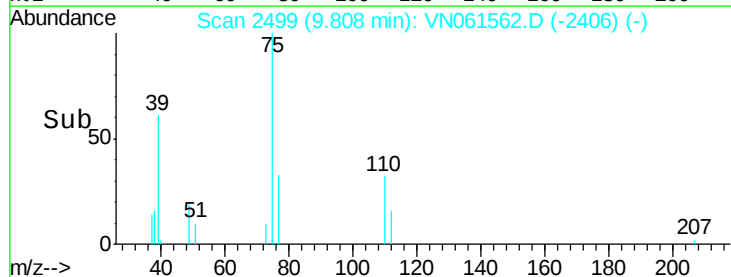
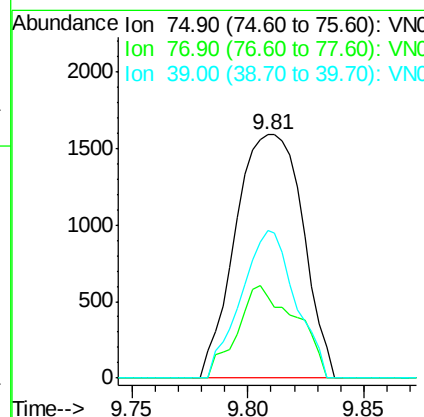
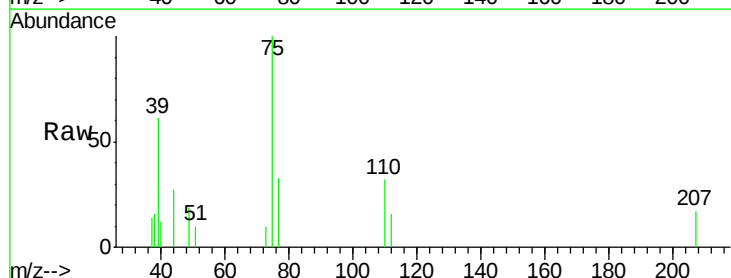
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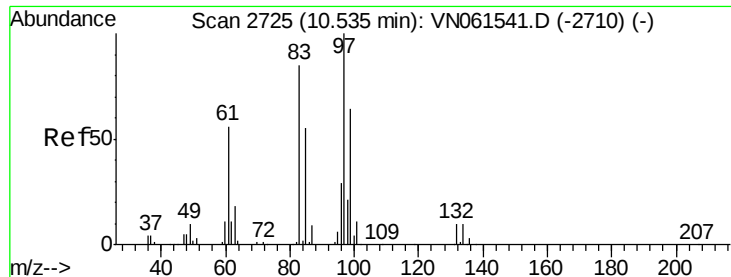
MMDadoda
6/1/2020 12:30:05 PM



#54
cis-1,3-Dichloropropene
Concen: 0.559 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.2	25.4	38.2
39	60.6	33.8	50.6#





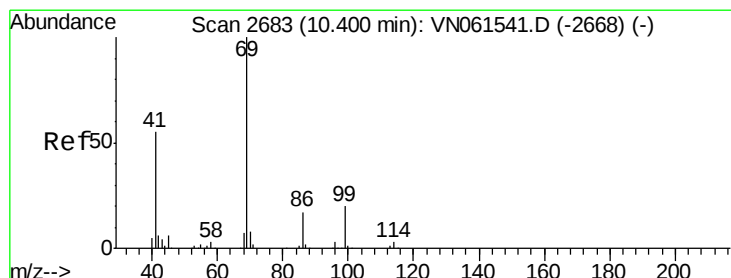
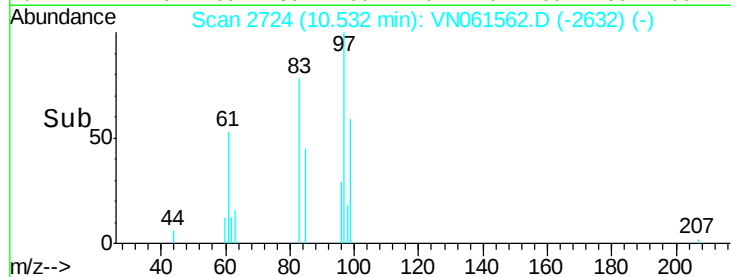
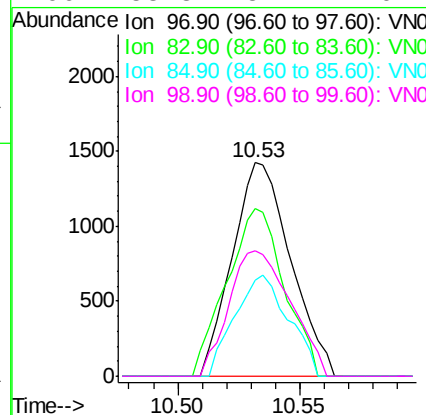
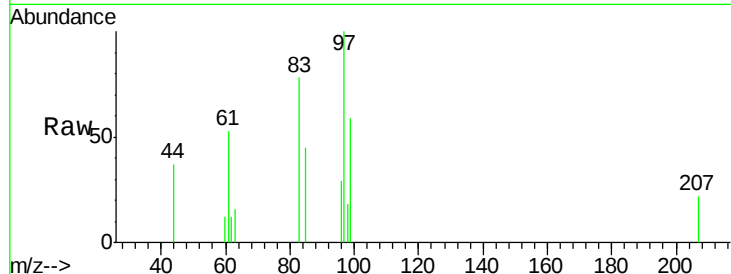
#55
 1,1,2-Trichloroethane
 Concen: 0.661 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061562.D
 Acq: 29 May 2020 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion:	97	Resp:	2361
Ion	Ratio	Lower	Upper
97	100		
83	78.4	68.1	102.1
85	45.2	44.1	66.1
99	58.8	51.1	76.7

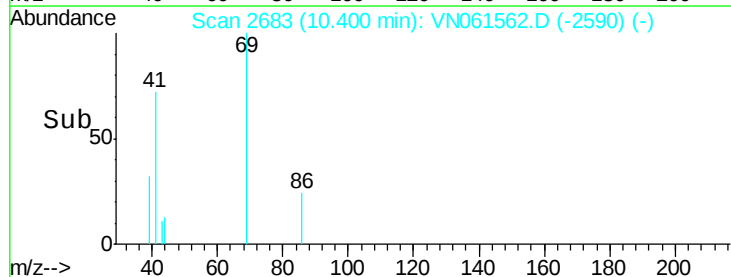
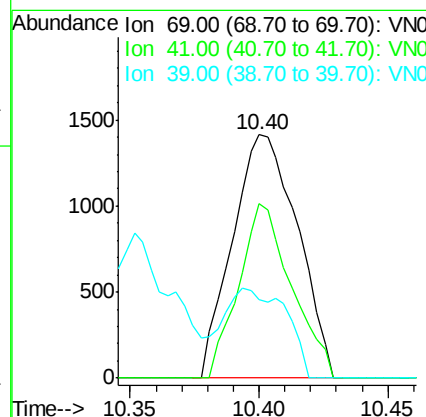
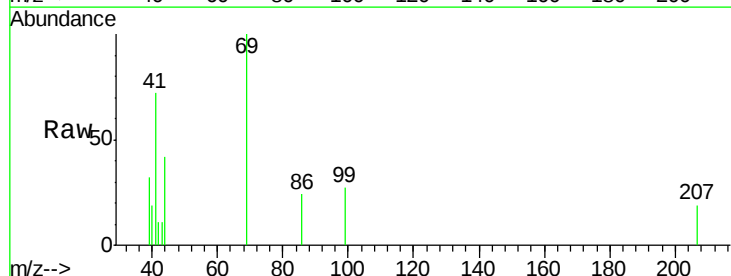
Manual Integrations
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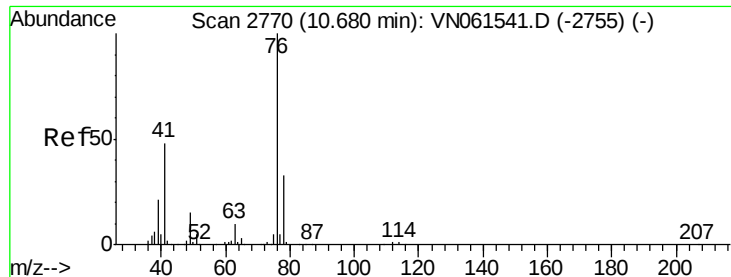
MMDadoda
 6/1/2020 12:30:05 PM



#56
 Ethyl methacrylate
 Concen: 0.497 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061562.D
 Acq: 29 May 2020 13:15

Tgt Ion:	69	Resp:	2481
Ion	Ratio	Lower	Upper
69	100		
41	58.4	43.5	65.3
39	35.1	27.0	40.6





#57

1,3-Dichloropropane

Concen: 0.620 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 76 Resp: 3543

Ion Ratio Lower Upper

76 100

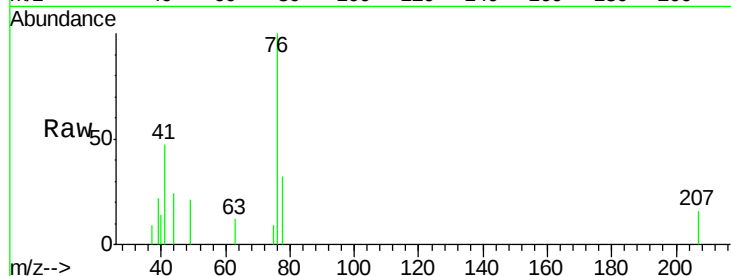
78 28.5 26.3 39.5

Manual Integrations

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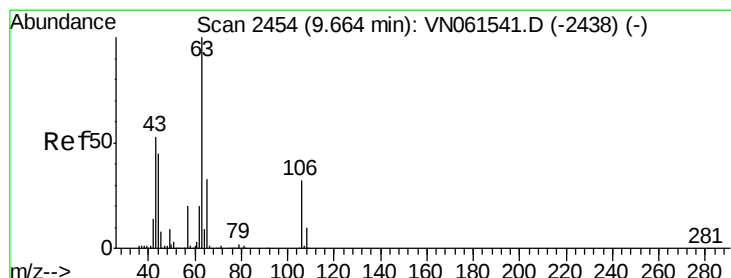
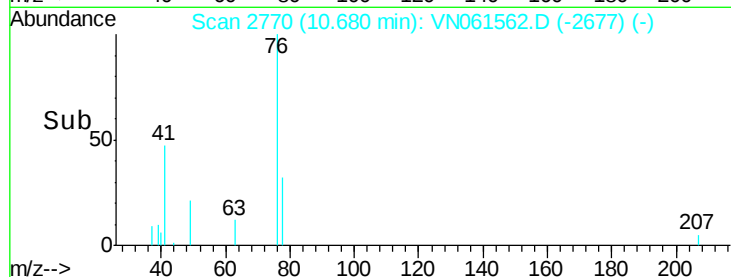
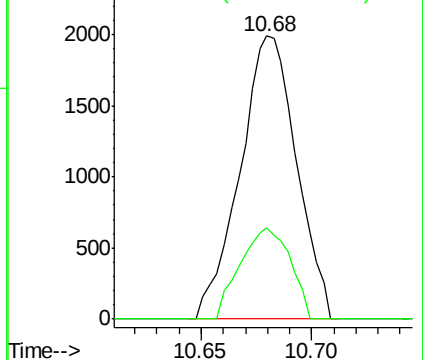
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 2.766 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN061562.D

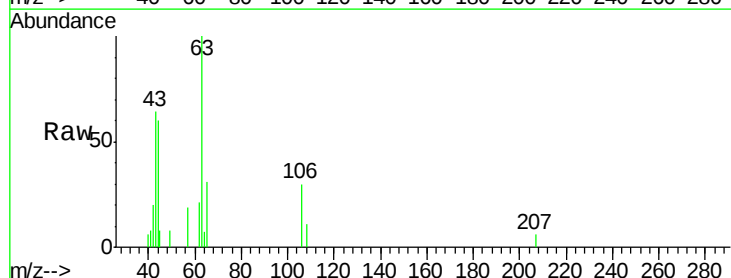
Acq: 29 May 2020 13:15

Tgt Ion: 63 Resp: 5902

Ion Ratio Lower Upper

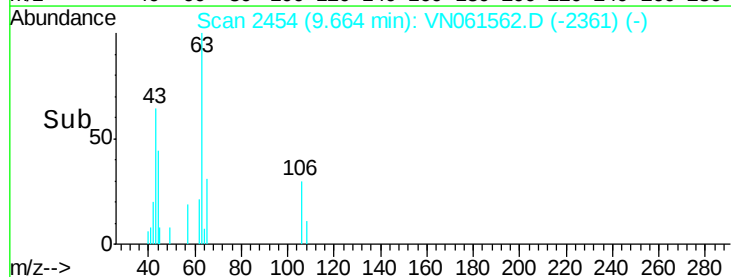
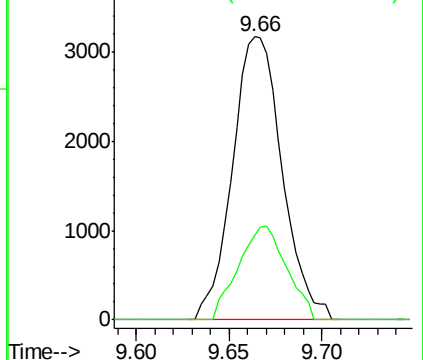
63 100

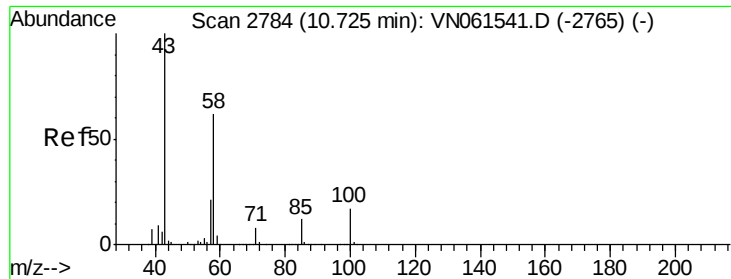
106 32.0 25.9 38.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





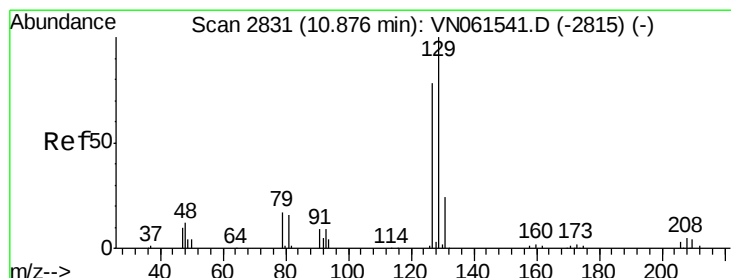
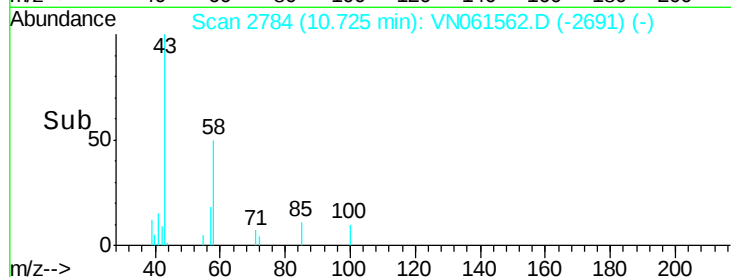
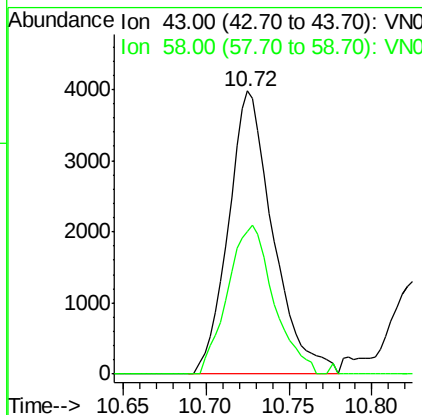
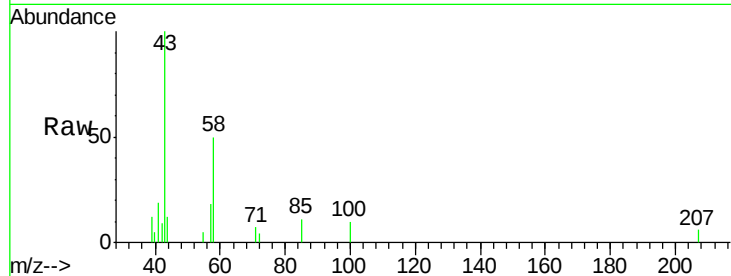
#59
2-Hexanone
Concen: 2.848 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion: 43 Resp: 7439
Ion Ratio Lower Upper
43 100
58 54.2 30.7 92.1

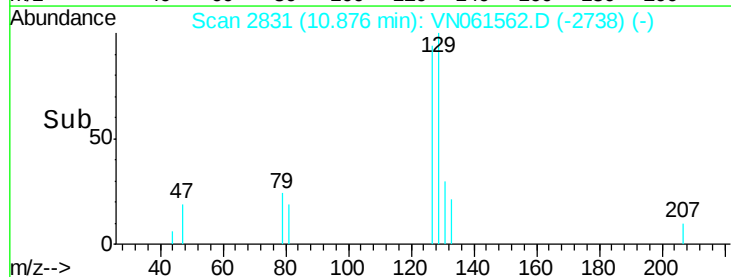
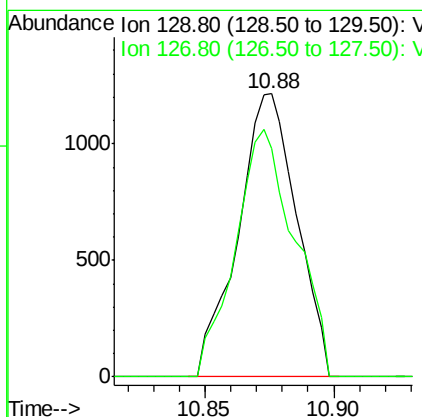
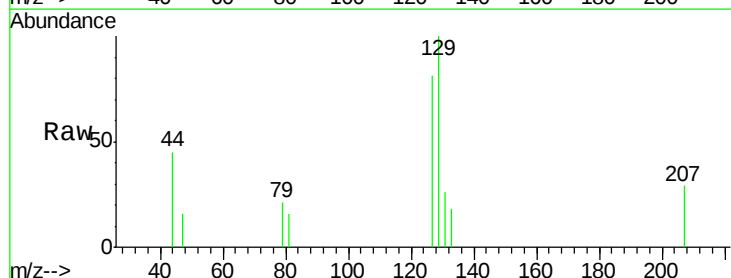
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#60
Dibromochloromethane
Concen: 0.475 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Tgt Ion: 129 Resp: 1929
Ion Ratio Lower Upper
129 100
127 88.5 38.8 116.3





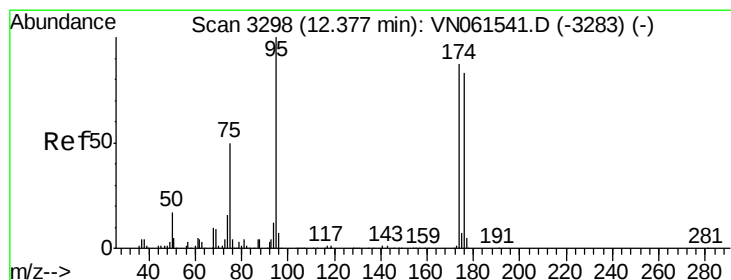
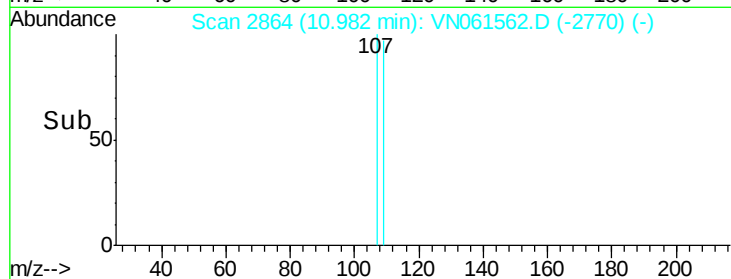
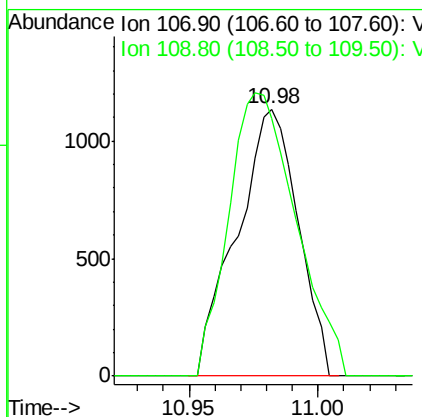
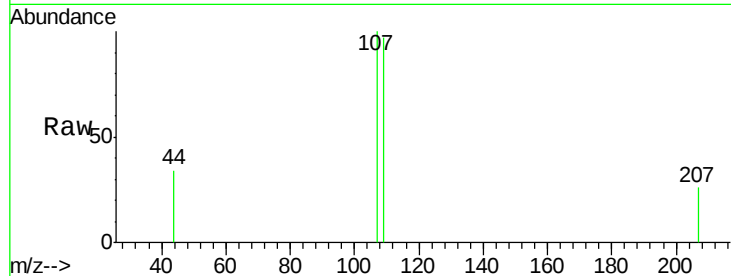
#61
 1,2-Dibromoethane
 Concen: 0.504 ug/l
 RT: 10.98 min Scan# 2864
 Delta R.T. 0.00 min
 Lab File: VN061562.D
 Acq: 29 May 2020 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion: 107 Resp: 1879
 Ion Ratio Lower Upper
 107 100
 109 117.0 76.1 114.1#

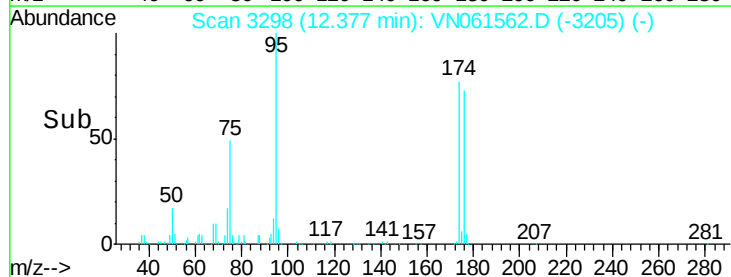
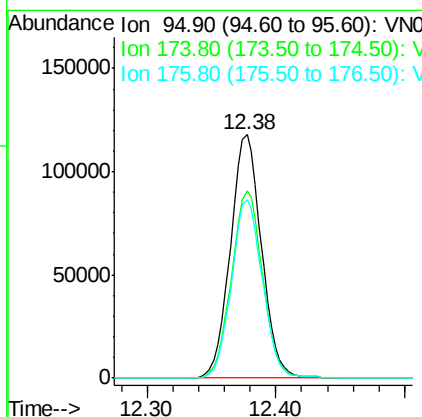
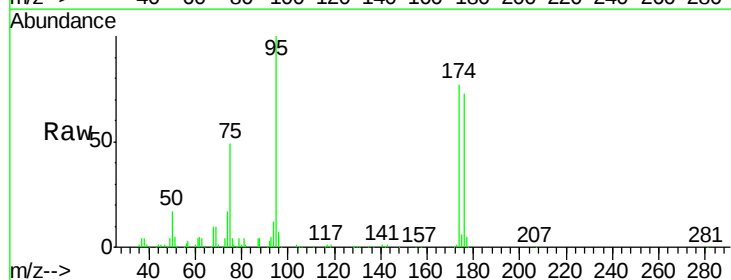
Manual Integrations
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 6/1/2020 12:30:05 PM



#62
 4-Bromofluorobenzene
 Concen: 45.699 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN061562.D
 Acq: 29 May 2020 13:15

Tgt Ion: 95 Resp: 197209
 Ion Ratio Lower Upper
 95 100
 174 77.2 0.0 172.8
 176 73.3 0.0 164.8





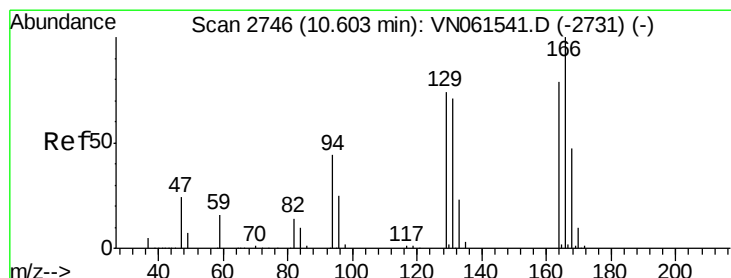
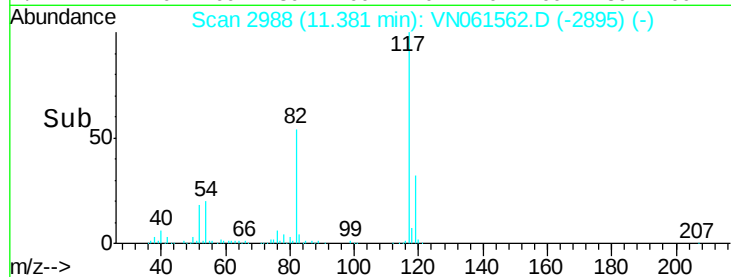
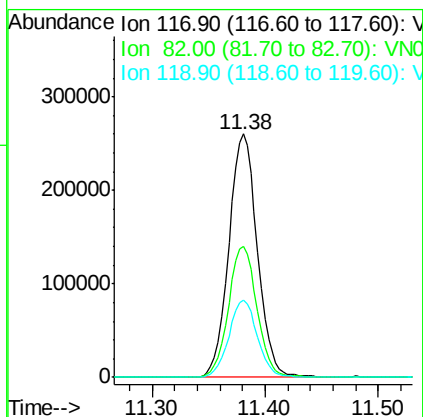
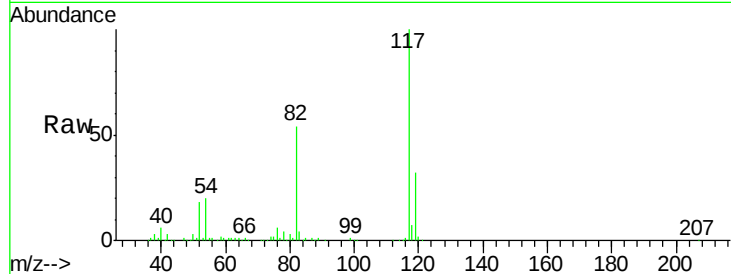
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
117	100	456109		
82	53.8		41.5	62.3
119	31.6		25.6	38.4

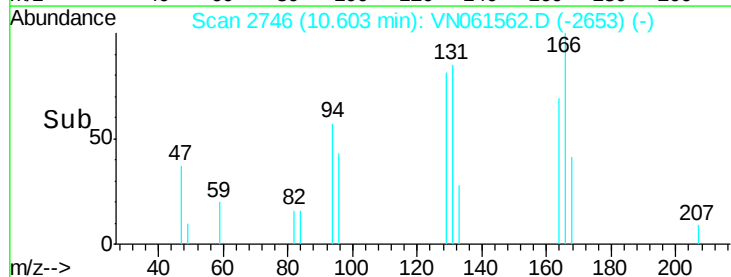
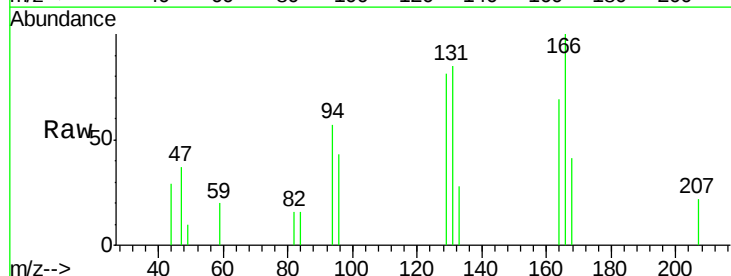
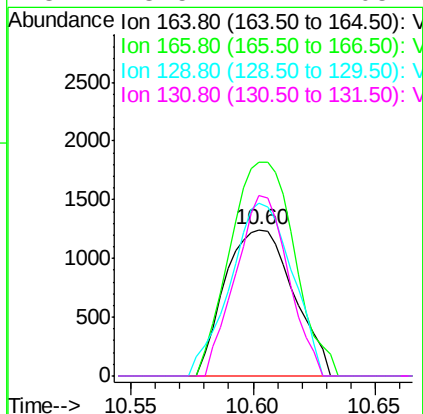
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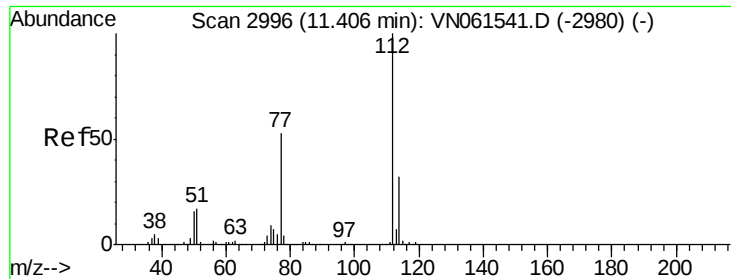
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#64
Tetrachloroethene
Concen: 0.566 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	2431		
166	145.6		101.5	152.3
129	117.6		74.9	112.3#
131	123.5		72.2	108.2#





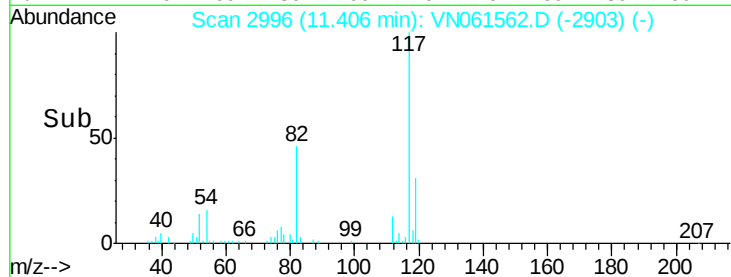
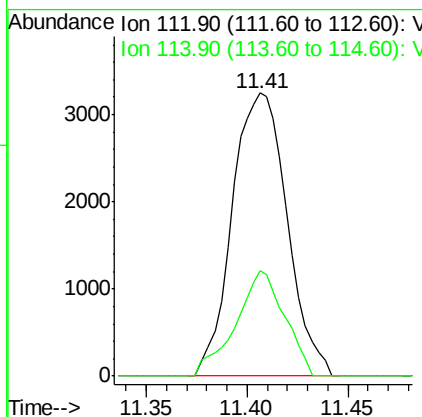
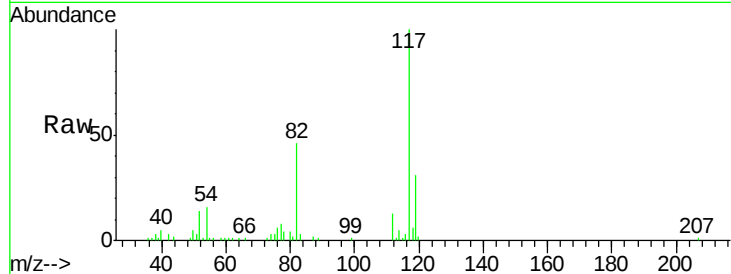
#65
Chlorobenzene
Concen: 0.651 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion:112 Resp: 6171
Ion Ratio Lower Upper
112 100
114 37.0 25.7 38.5

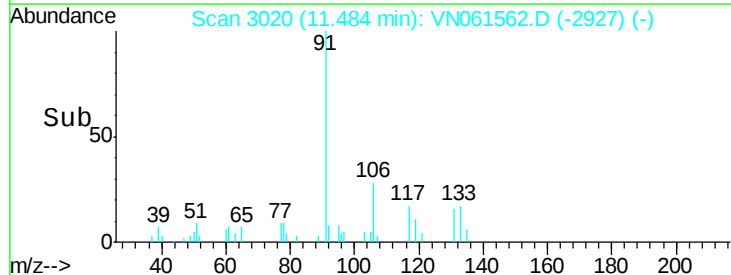
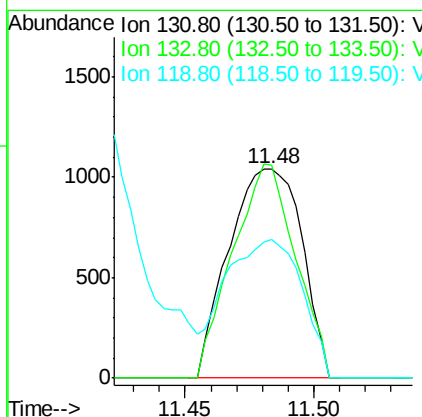
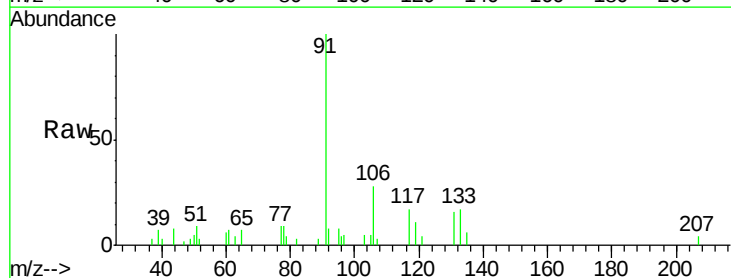
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 0.581 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Tgt Ion:131 Resp: 2052
Ion Ratio Lower Upper
131 100
133 88.3 47.4 142.2
119 0.0 32.6 97.8#





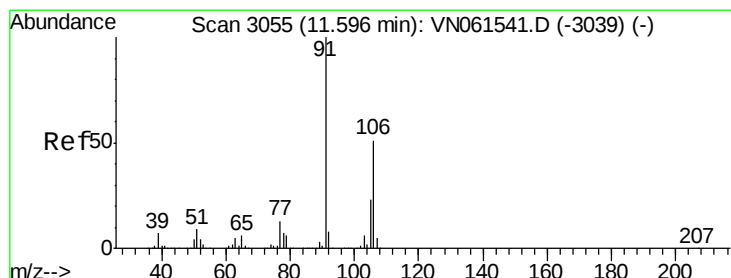
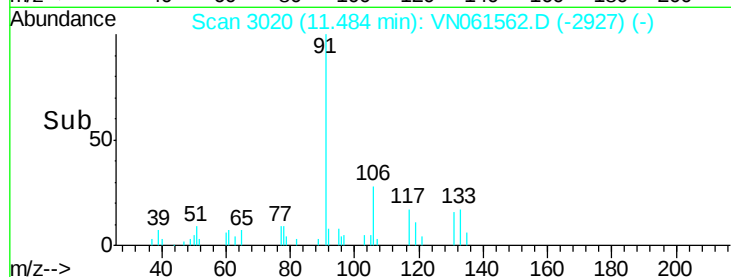
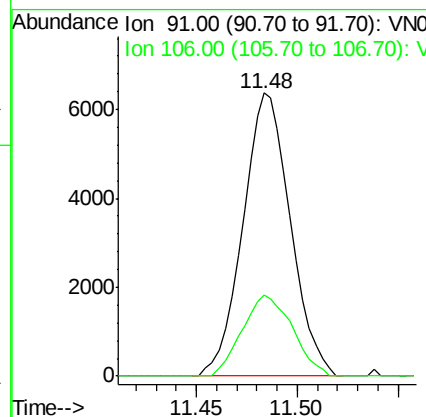
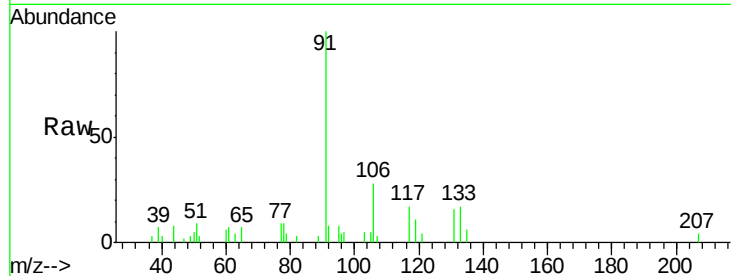
#67
Ethyl Benzene
Concen: 0.639 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		10468		
106	28.5		25.6	38.4	

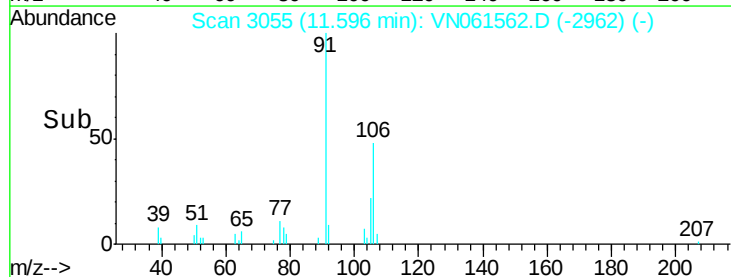
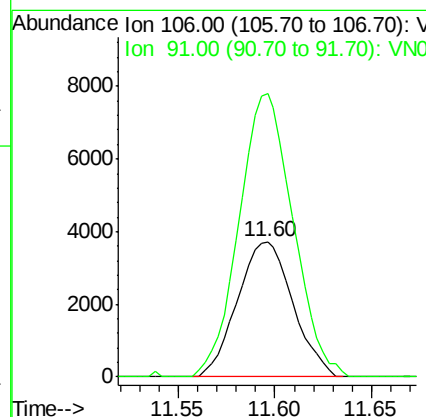
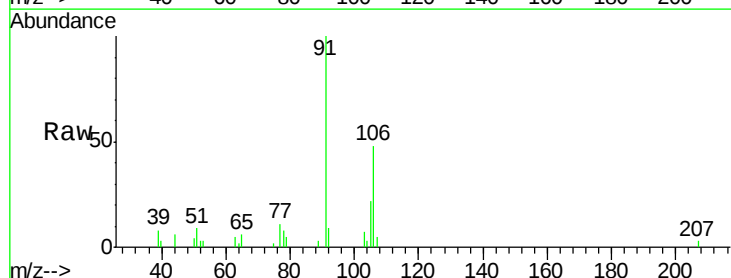
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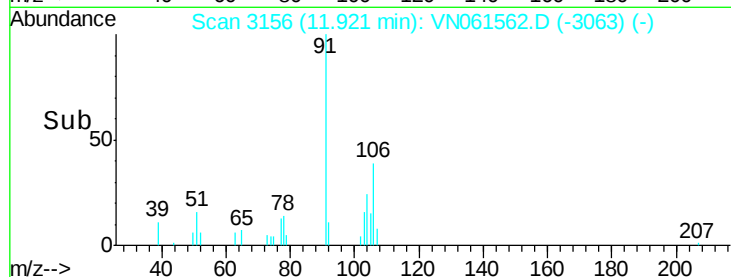
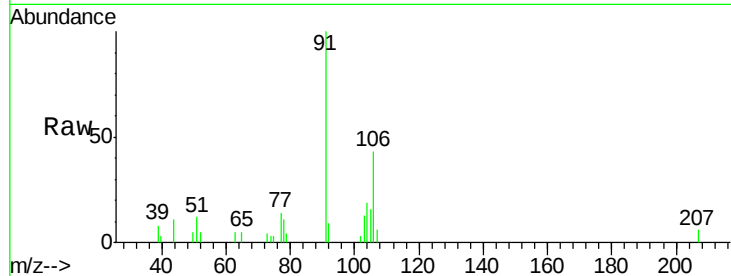
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#68
m/p-Xylenes
Concen: 1.141 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		7413		
91	204.1		156.2	234.4	





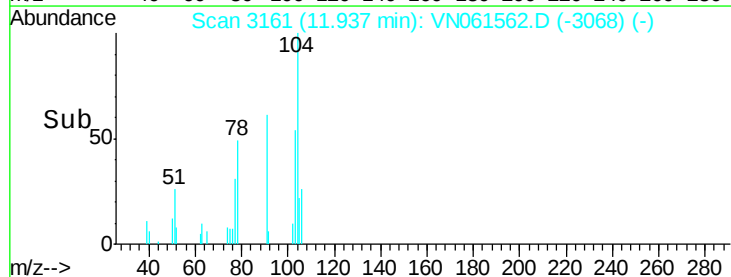
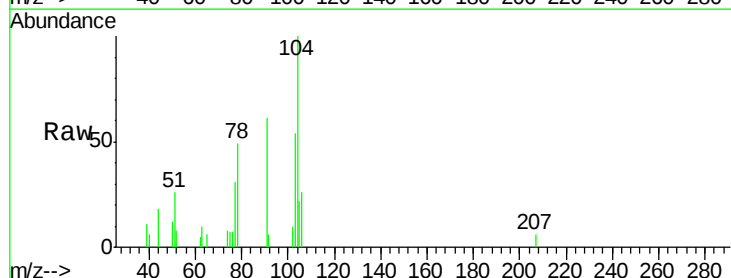
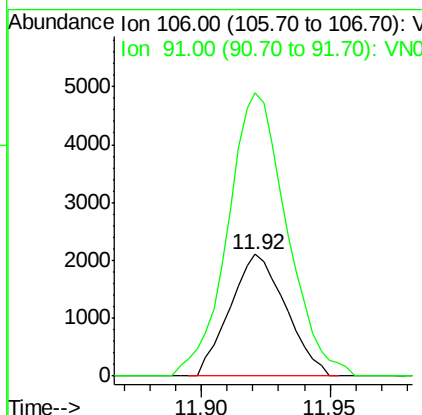
#69
o-Xylene
Concen: 0.512 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Tot Ion:106 Resp: 3158
Ion Ratio Lower Upper
106 100
91 246.5 103.3 309.8

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2020DL

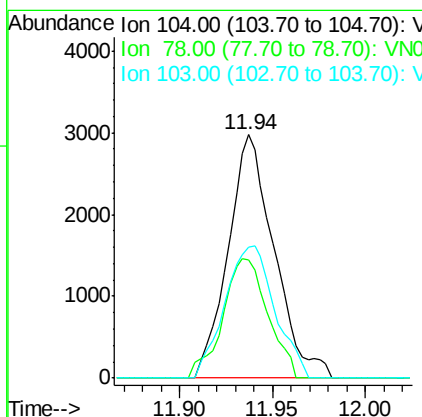
Manual Integrations
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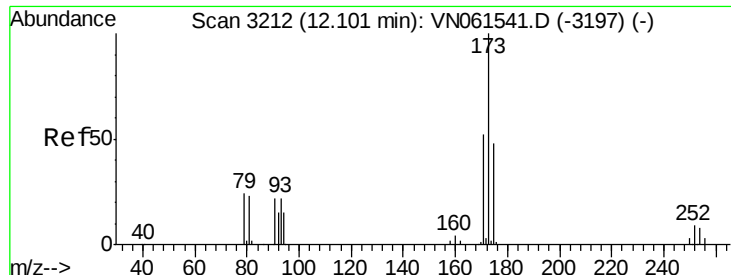
MMDadoda
6/1/2020 12:30:05 PM



#70
Styrene
Concen: 0.501 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Tgt Ion:104 Resp: 5123
Ion Ratio Lower Upper
104 100
78 48.0 37.4 56.0
103 58.8 42.3 63.5





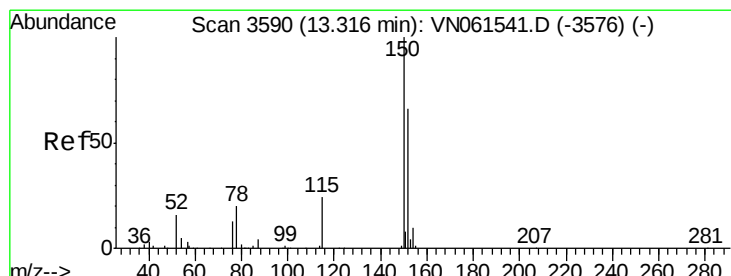
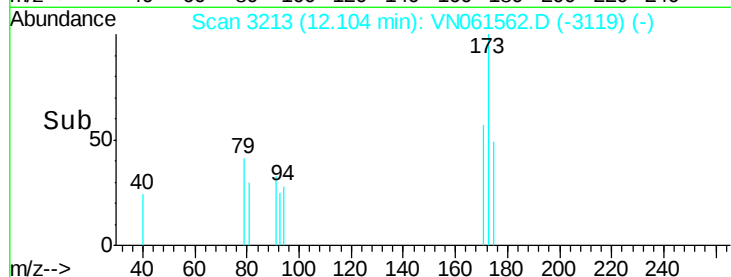
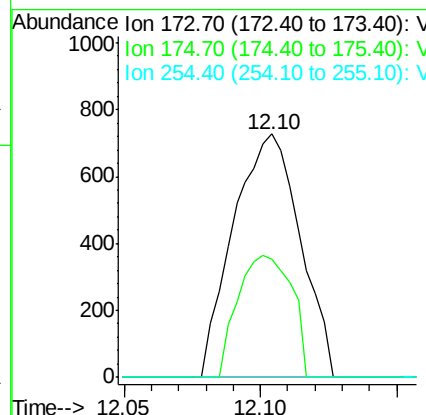
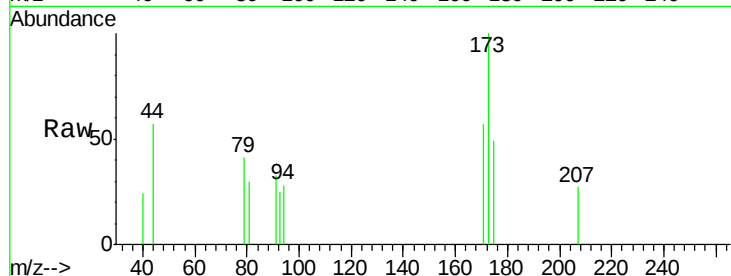
#71
Bromoform
Concen: 0.453 ug/l
RT: 12.10 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
173	100		
175	40.5	24.4	73.2
254	0.0	0.0	0.0

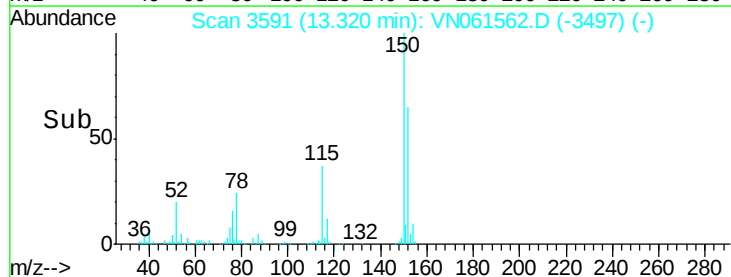
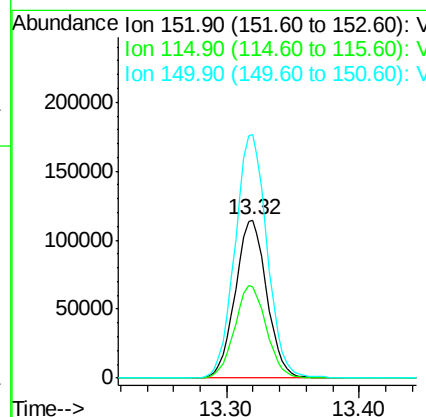
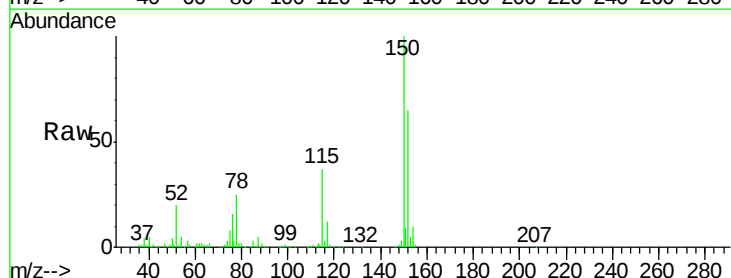
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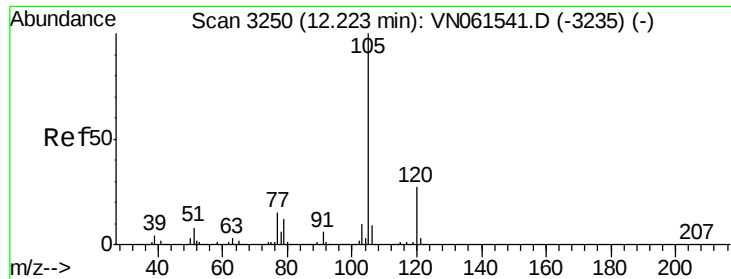
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.0	84.0
150	156.2	0.0	344.0





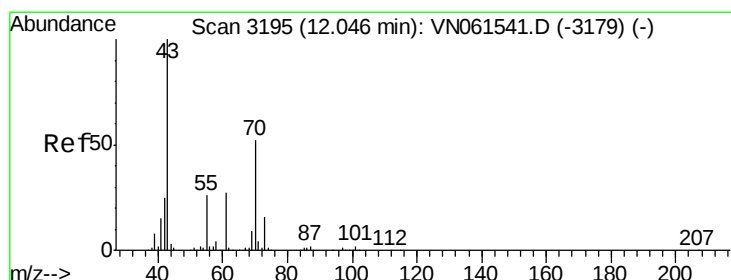
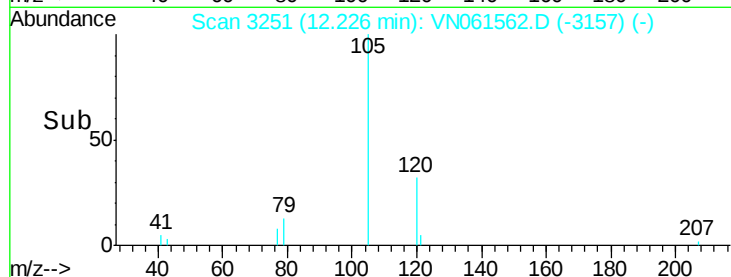
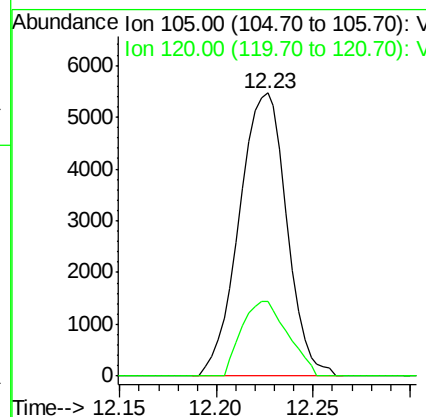
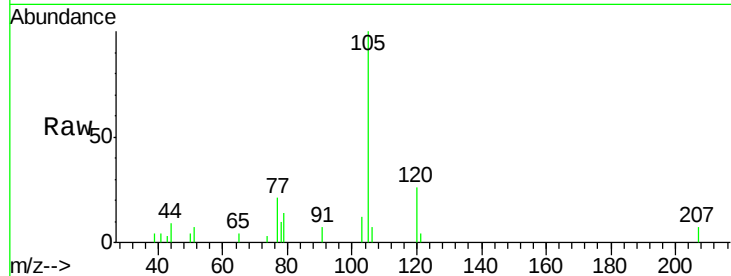
#73
Isopropylbenzene
Concen: 0.675 ug/l
RT: 12.23 min Scan# 3251
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion:105 Resp: 9343
Ion Ratio Lower Upper
105 100
120 25.6 13.8 41.3

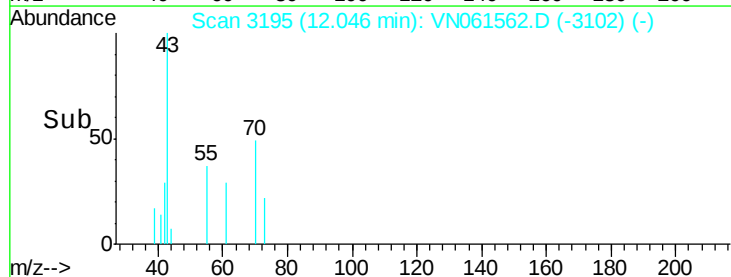
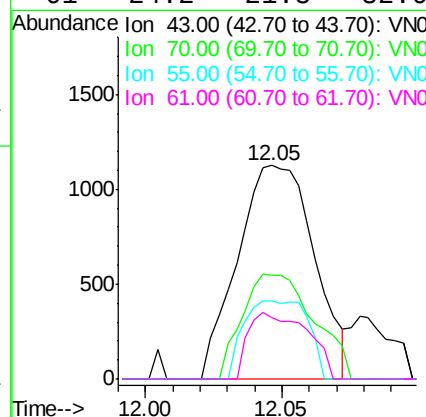
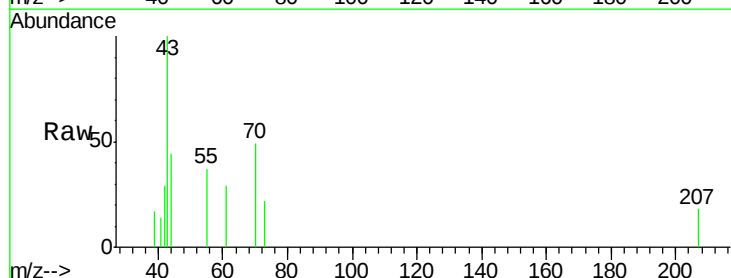
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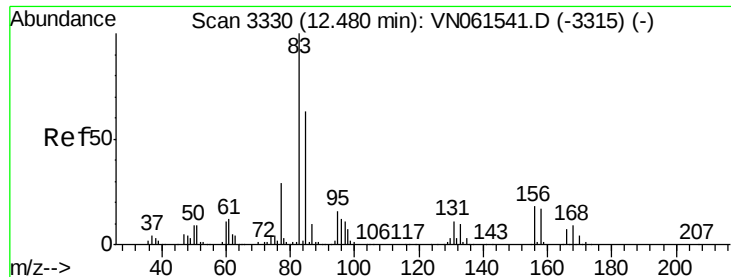
MMDadoda
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#74
N-ethyl acetate
Concen: 0.504 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Tgt Ion: 43 Resp: 2199
Ion Ratio Lower Upper
43 100
70 45.7 40.5 60.7
55 30.5 20.6 31.0
61 24.2 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 0.658 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Instrument :

MSVOA_N

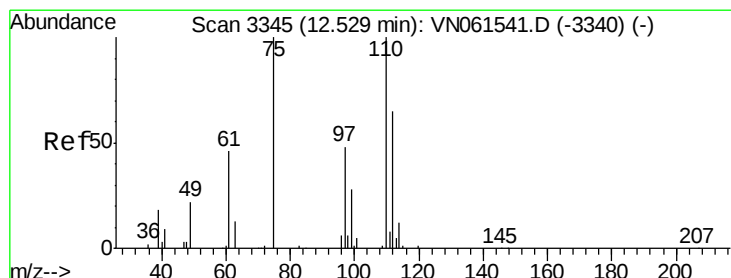
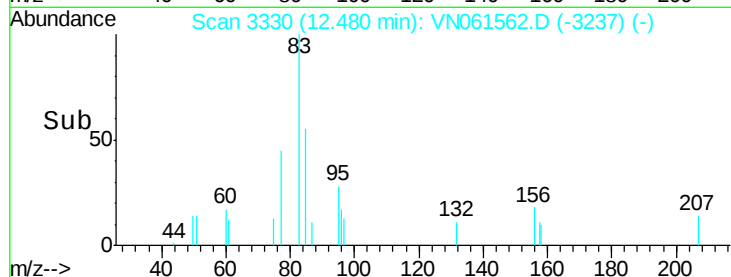
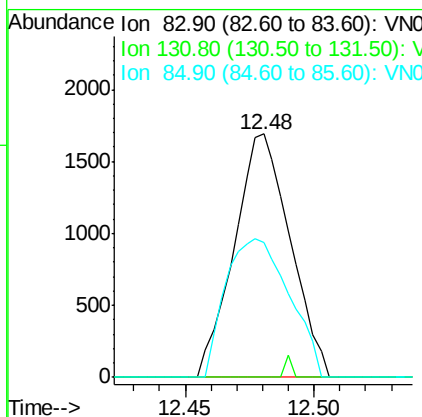
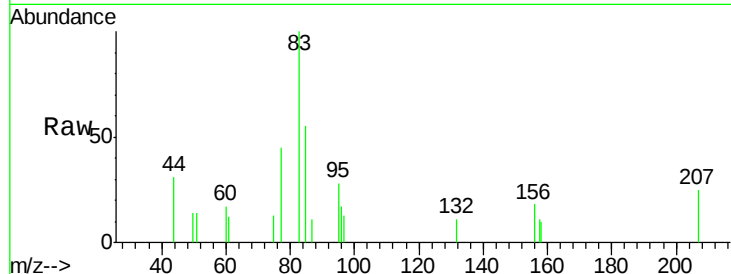
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
83	100		
131	1.2	5.5	16.5#
85	64.7	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 0.656 ug/l m

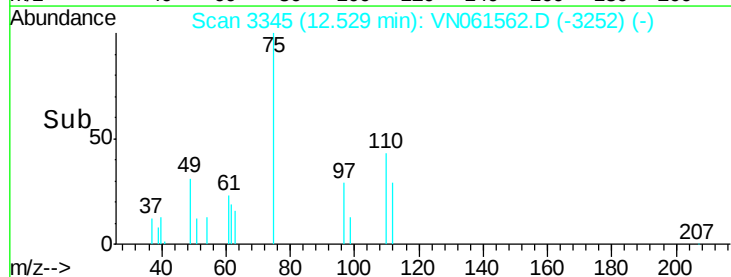
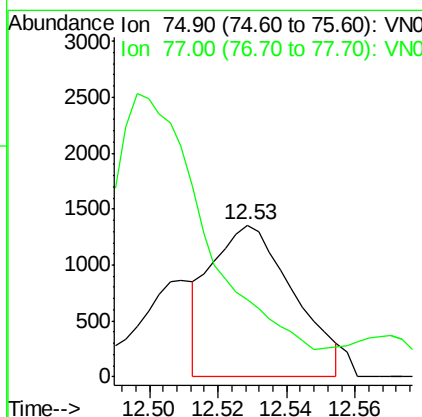
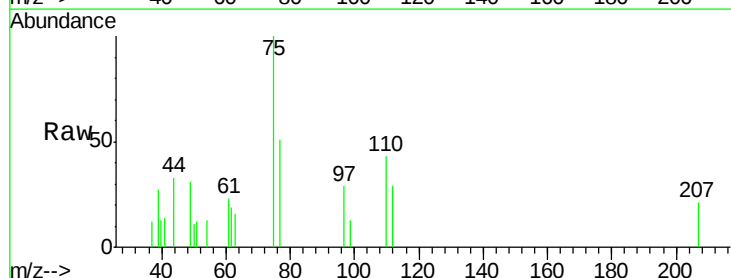
RT: 12.53 min Scan# 3345

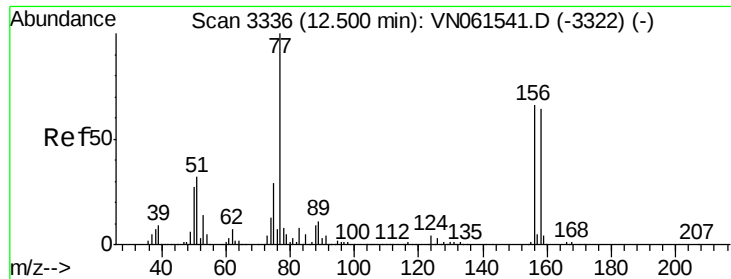
Delta R.T. 0.00 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





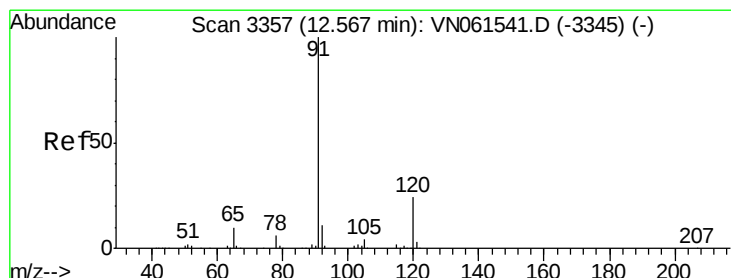
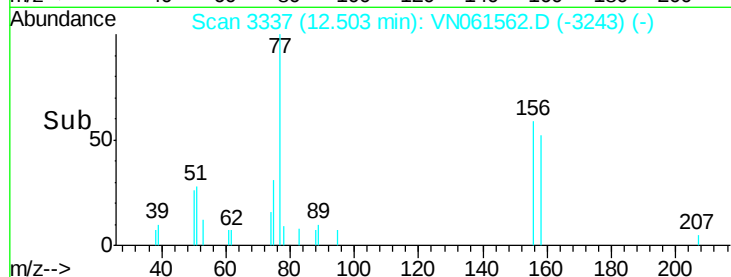
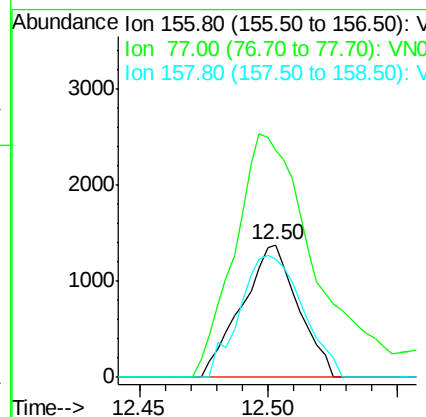
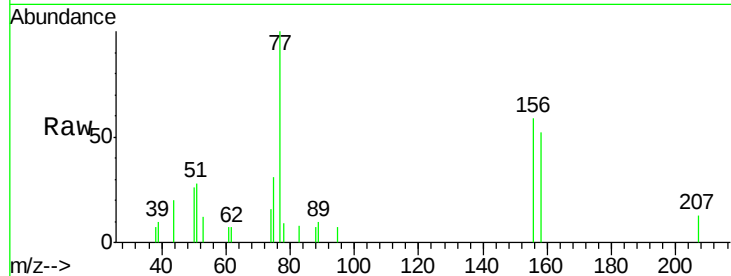
#77
Bromobenzene
Concen: 0.595 ug/l
RT: 12.50 min Scan# 3337
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
156	100		
77	260.9	90.9	272.7
158	102.2	48.4	145.3

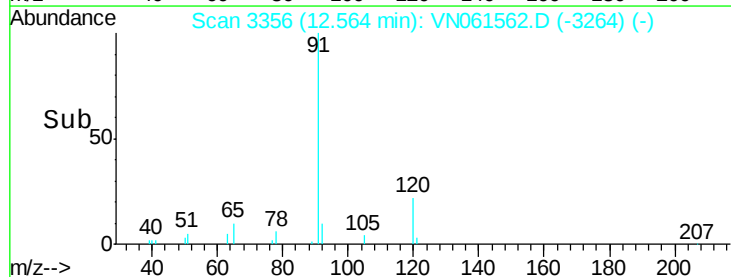
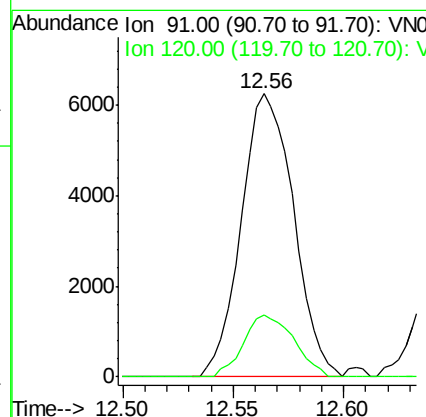
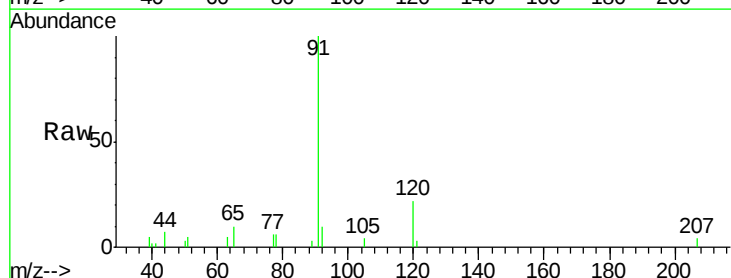
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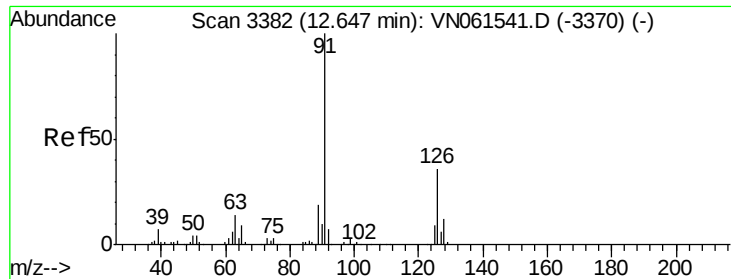
MMDadoda
6/1/2020 12:30:05 PM



#78
n-propylbenzene
Concen: 0.668 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. -0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.0	12.3	36.9





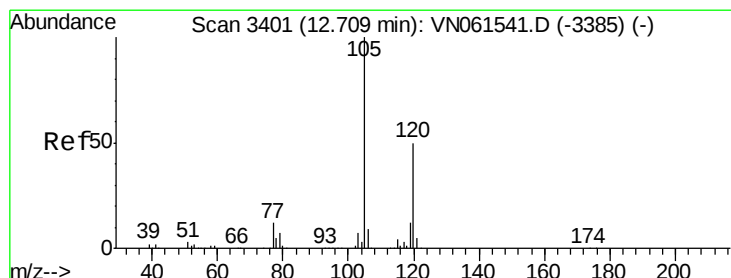
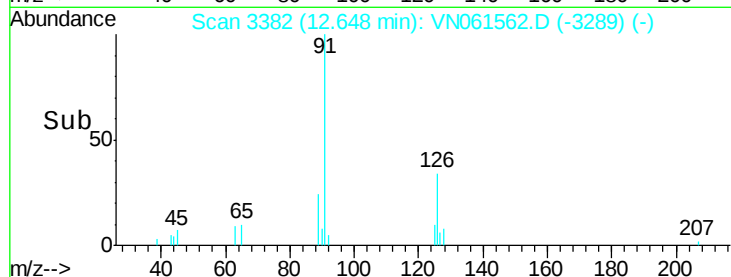
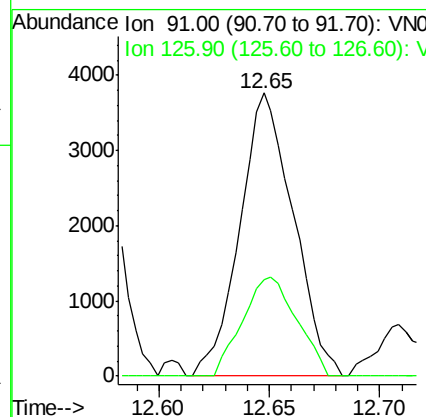
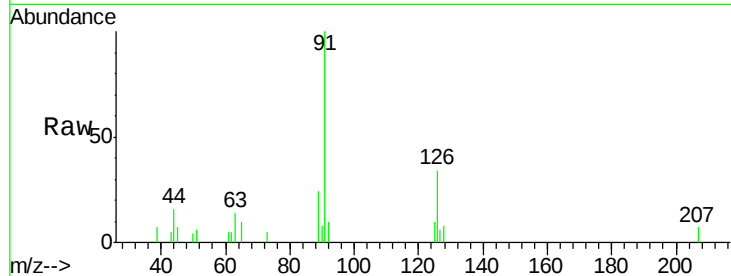
#79
 2-Chlorotoluene
 Concen: 0.688 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VN061562.D
 Acq: 29 May 2020 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion: 91 Resp: 6343
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.9 53.7

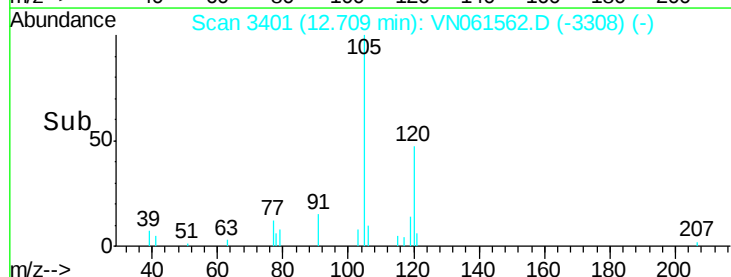
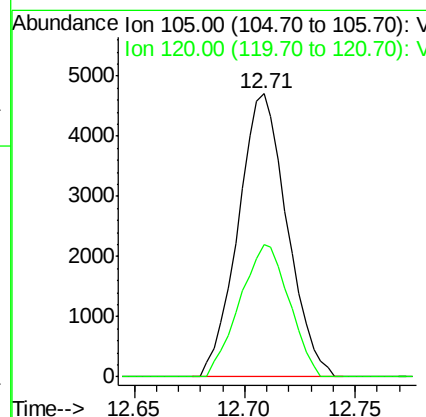
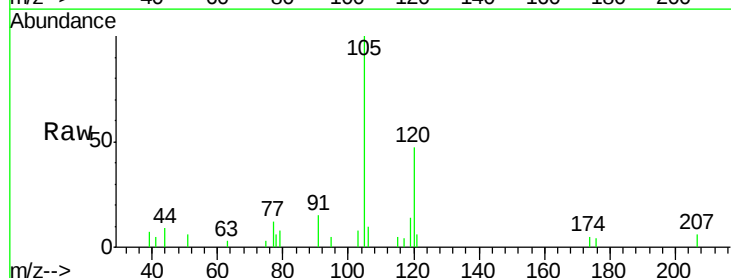
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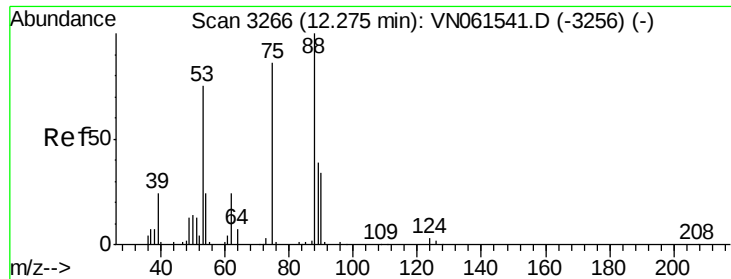
MMDadoda
 6/1/2020 12:30:05 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 0.627 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN061562.D
 Acq: 29 May 2020 13:15

Tgt Ion: 105 Resp: 7258
 Ion Ratio Lower Upper
 105 100
 120 47.1 25.1 75.2





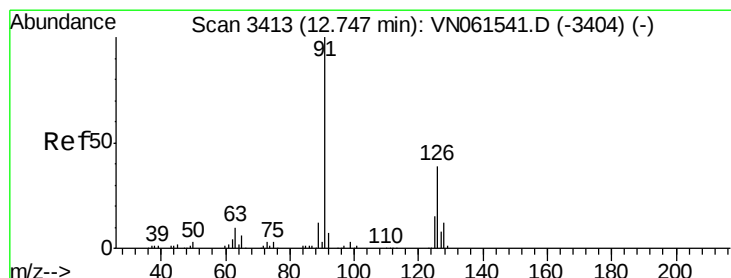
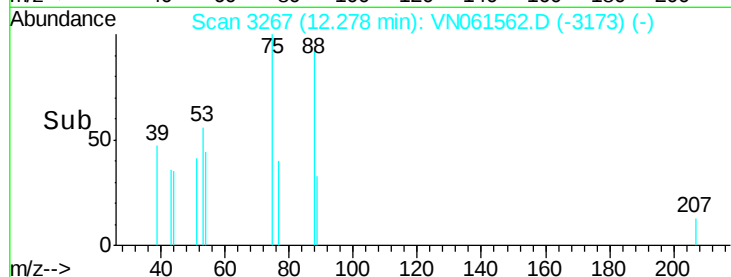
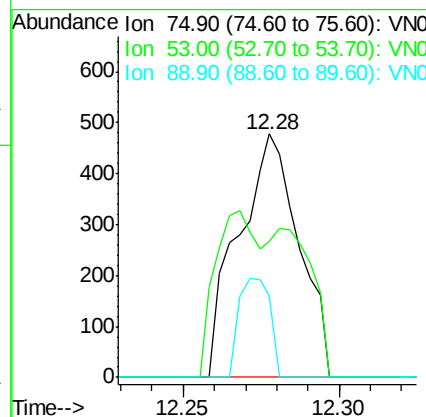
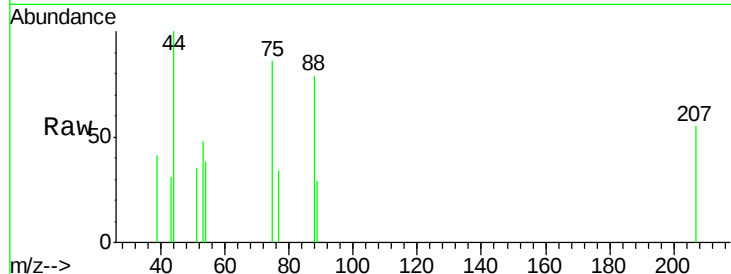
#81
trans-1,4-Dichloro-2-butene
Concen: 0.475 ug/l m
RT: 12.28 min Scan# 3267
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.8	101.8#
89	0.0	37.1	55.7#

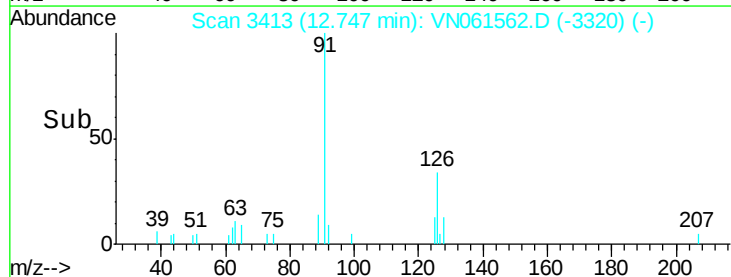
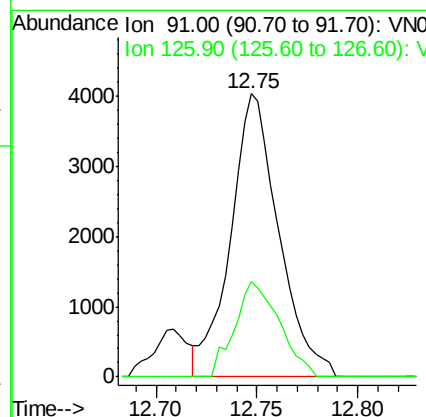
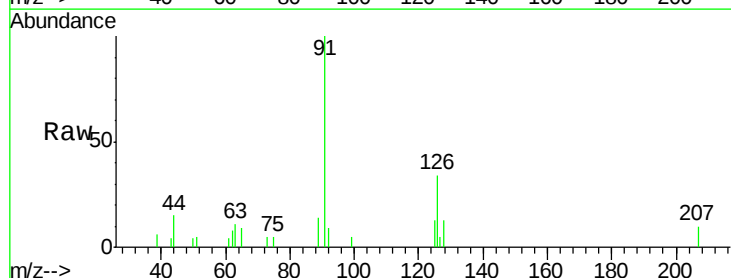
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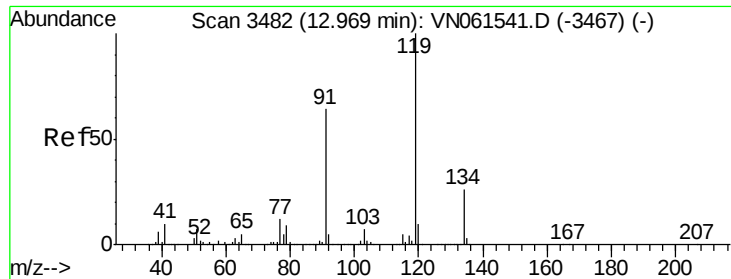
MMDadoda
6/1/2020 12:30:05 PM



#82
4-Chlorotoluene
Concen: 0.695 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	17.5	52.6





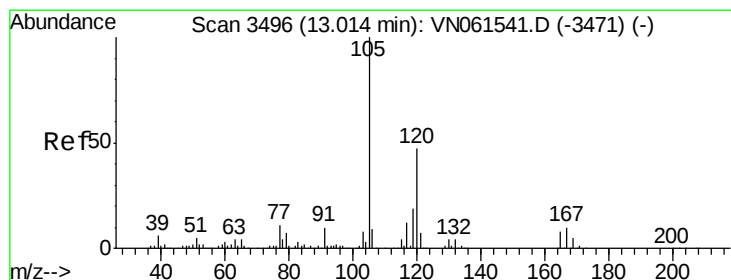
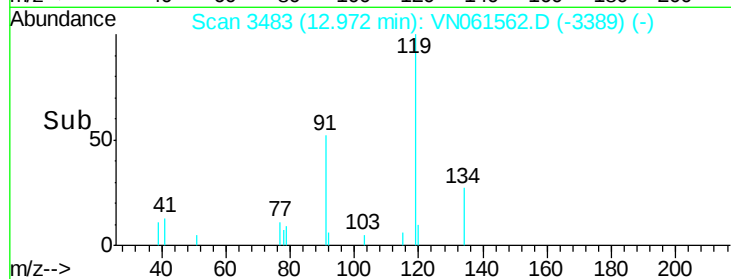
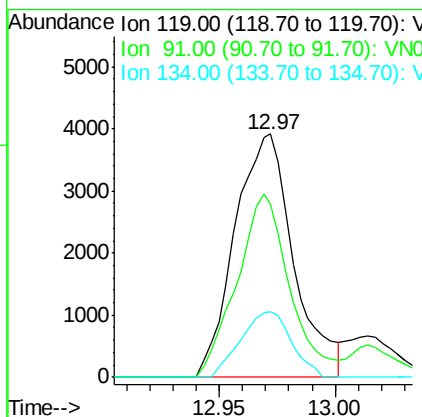
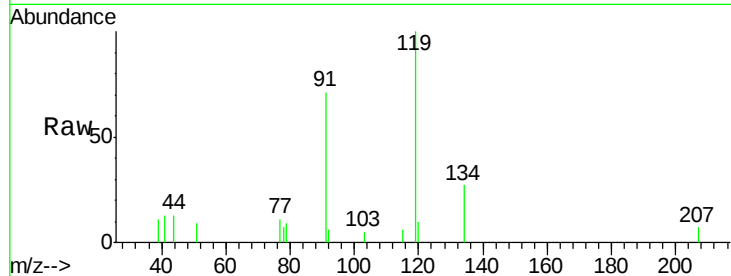
#83
 tert-Butylbenzene
 Concen: 0.674 ug/l
 RT: 12.97 min Scan# 3483
 Delta R.T. 0.00 min
 Lab File: VN061562.D
 Acq: 29 May 2020 13:15

Instrument :
 MSVOA_N
 ClientSampleID :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	31.3	93.8
134	23.2	13.5	40.4

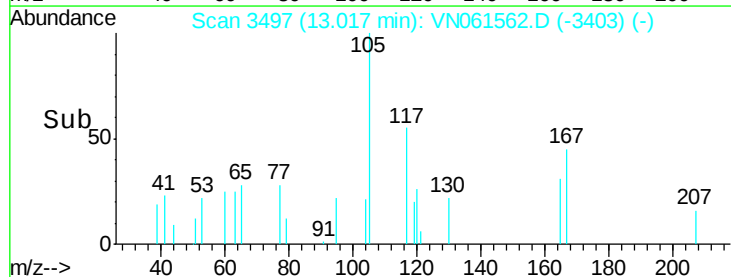
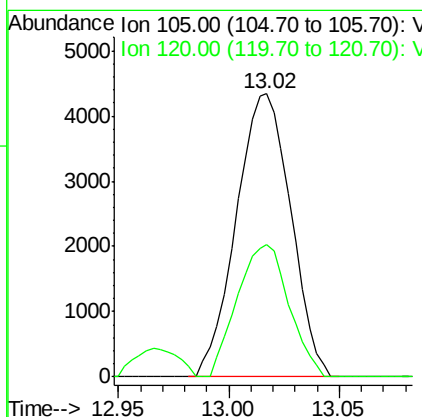
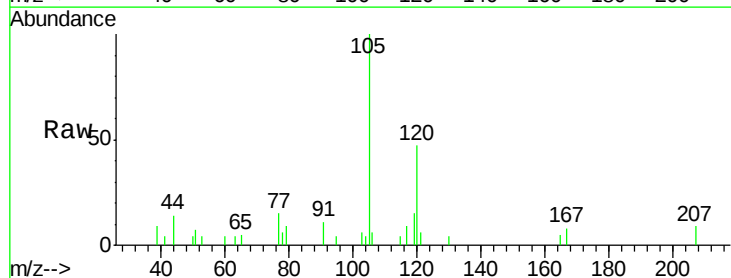
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#84
 1,2,4-Trimethylbenzene
 Concen: 0.646 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN061562.D
 Acq: 29 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	23.2	69.5





#85

sec-Butylbenzene

Concen: 0.633 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:105 Resp: 8345

Ion Ratio Lower Upper

105 100

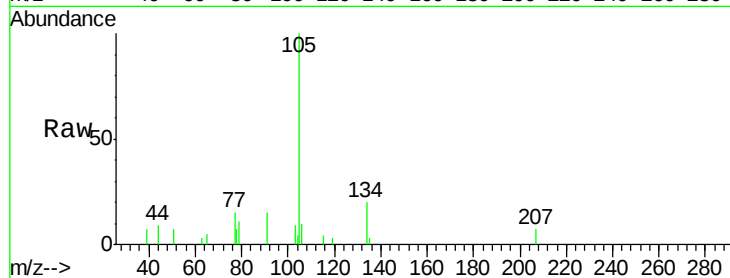
134 20.3 10.7 31.9

Manual Integrations

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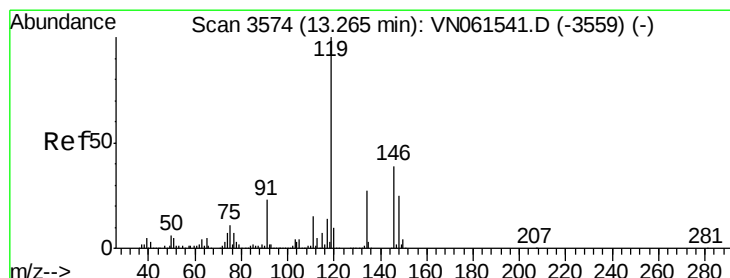
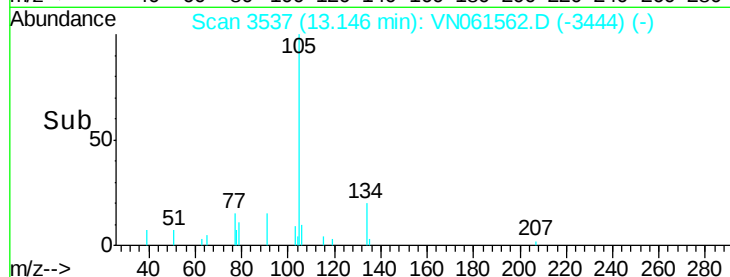
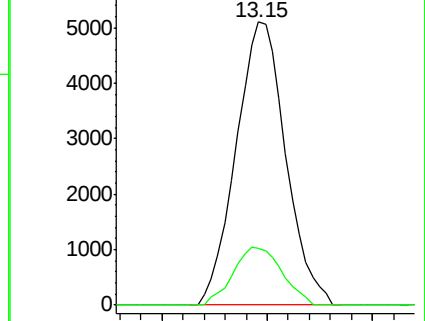
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.605 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

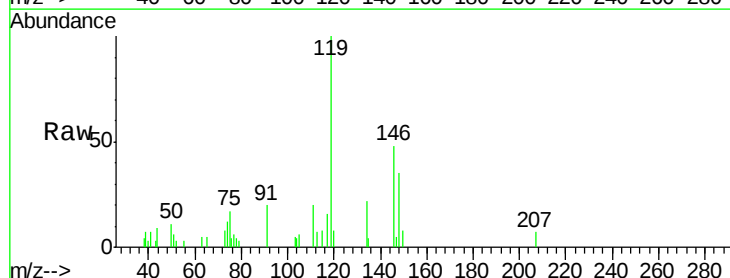
Tgt Ion:119 Resp: 7347

Ion Ratio Lower Upper

119 100

134 23.4 13.5 40.5

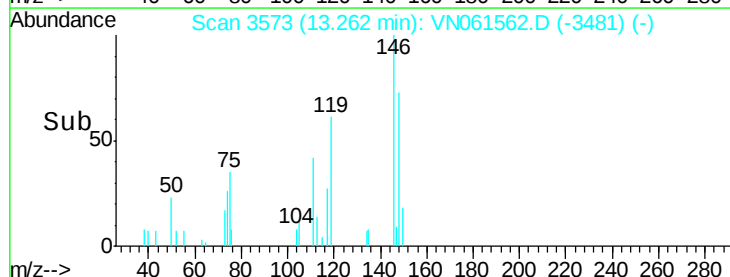
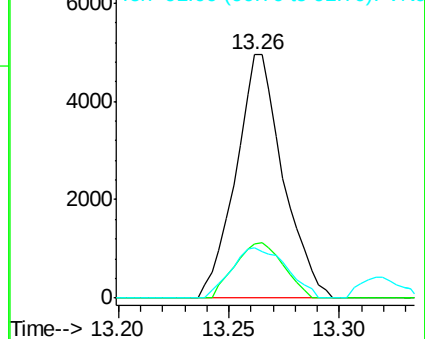
91 24.3 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





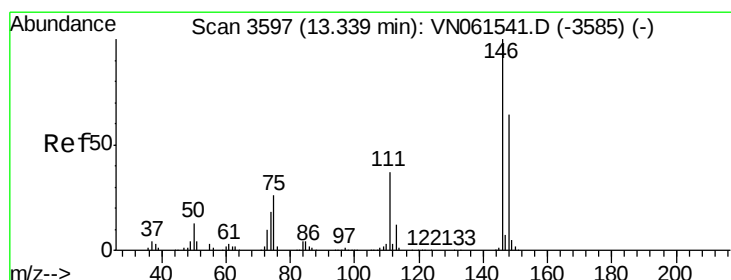
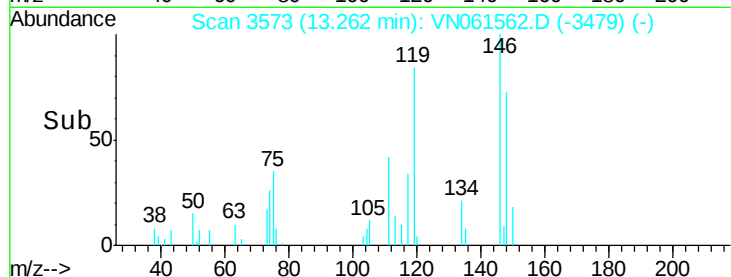
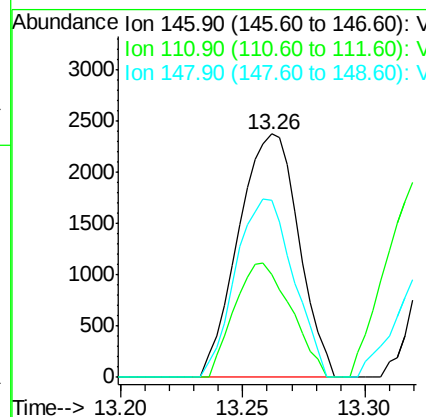
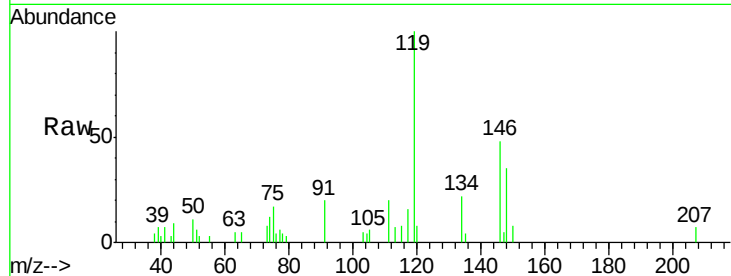
#87
 1,3-Dichlorobenzene
 Concen: 0.650 ug/l
 RT: 13.26 min Scan# 3573
 Delta R.T. 0.00 min
 Lab File: VN061562.D
 Acq: 29 May 2020 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	19.2	57.6
148	70.4	31.7	95.1

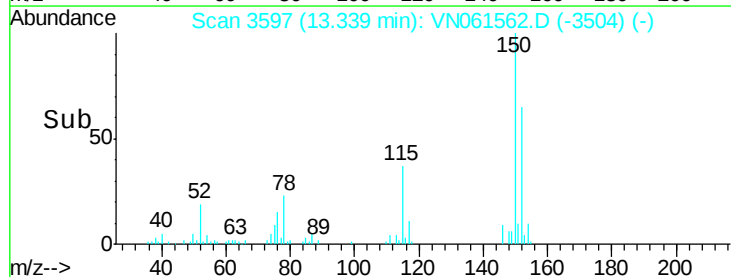
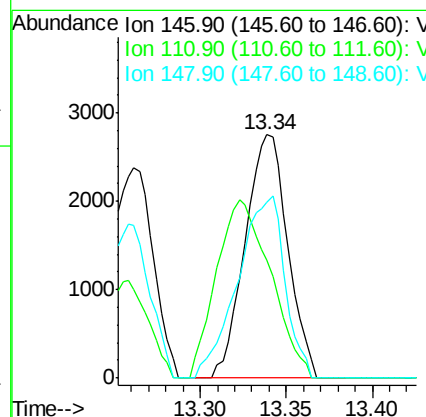
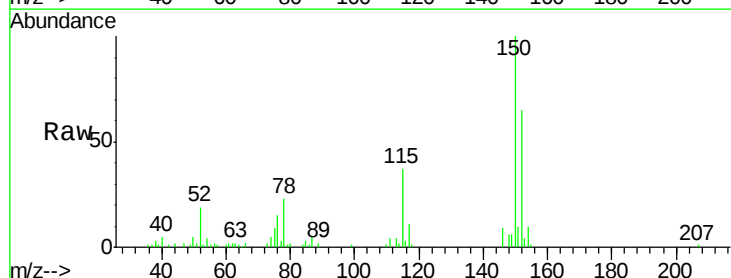
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#88
 1,4-Dichlorobenzene
 Concen: 0.739 ug/l m
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061562.D
 Acq: 29 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.9
148	60.8	31.8	95.3





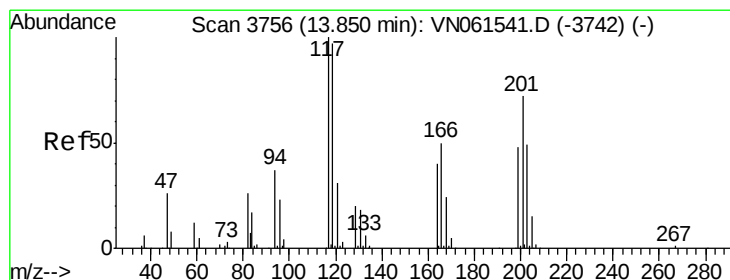
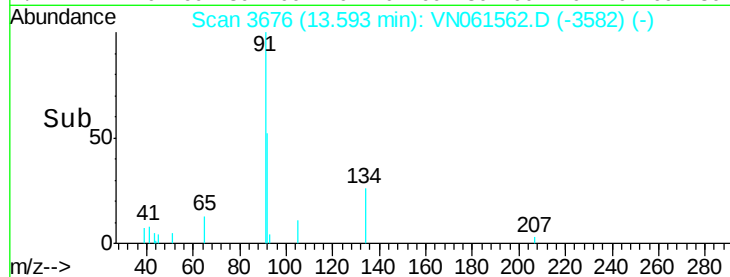
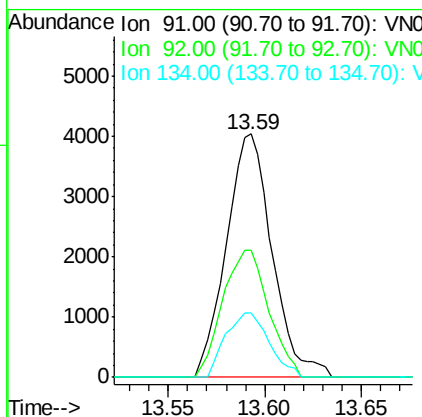
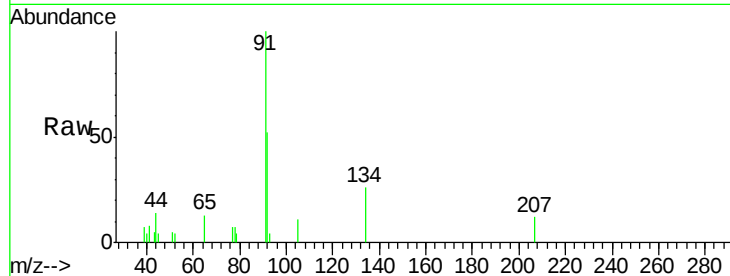
#89
n-Butylbenzene
Concen: 0.653 ug/l
RT: 13.59 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.2	81.6
134	25.2	14.0	42.0

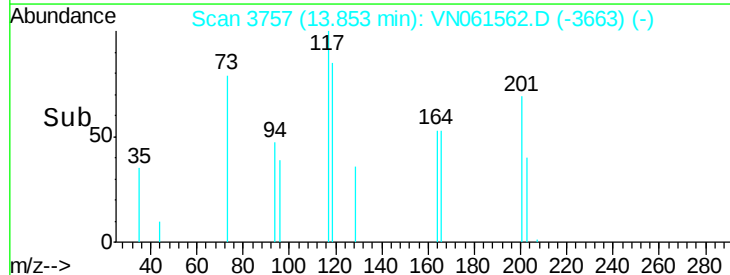
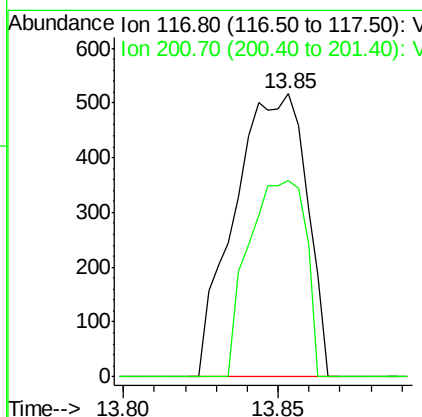
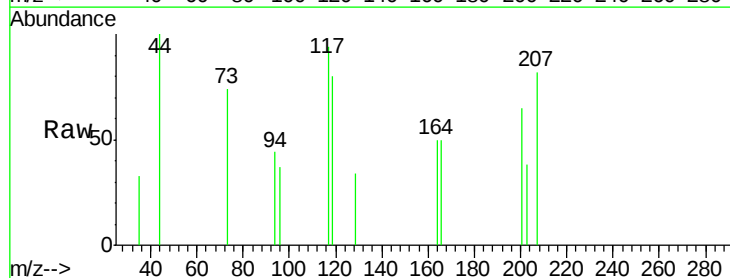
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#90
Hexachloroethane
Concen: 0.621 ug/l
RT: 13.85 min Scan# 3757
Delta R.T. 0.00 min
Lab File: VN061562.D
Acq: 29 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	54.9	36.7	110.1





#91

1,2-Dichlorobenzene

Concen: 0.651 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Instrument :

MSVOA_N

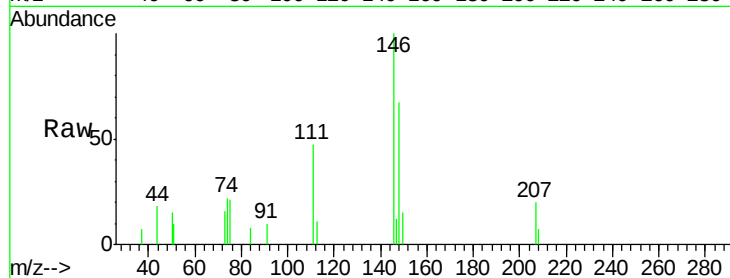
ClientSampleId :

MDL-WATER-03-QT2-2020DL

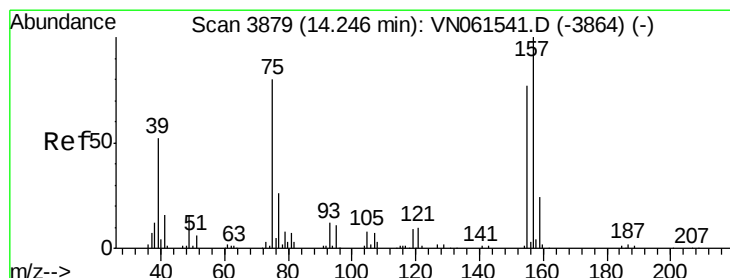
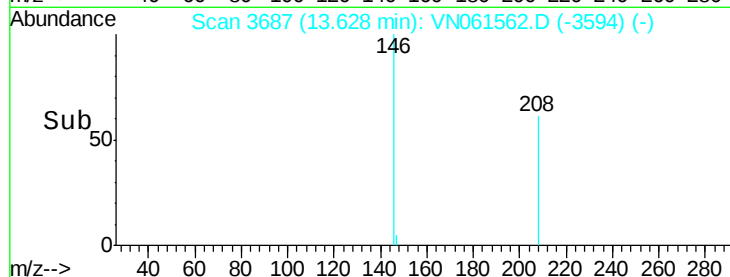
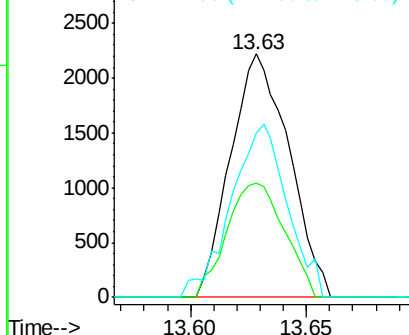
Tot Ion:	146	Resp:	3893
Ion Ratio	Lower	Upper	
146	100		
111	46.4	20.1	60.2
148	68.2	31.9	95.5

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.617 ug/l

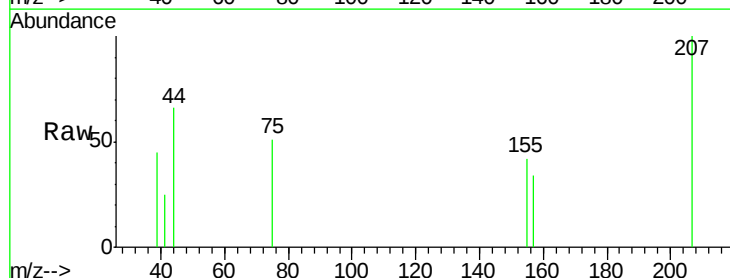
RT: 14.25 min Scan# 3879

Delta R.T. 0.00 min

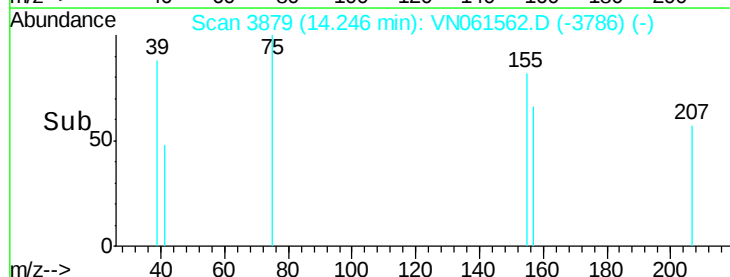
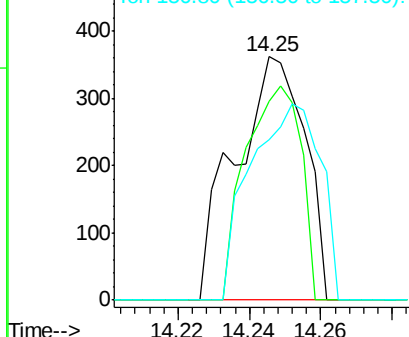
Lab File: VN061562.D

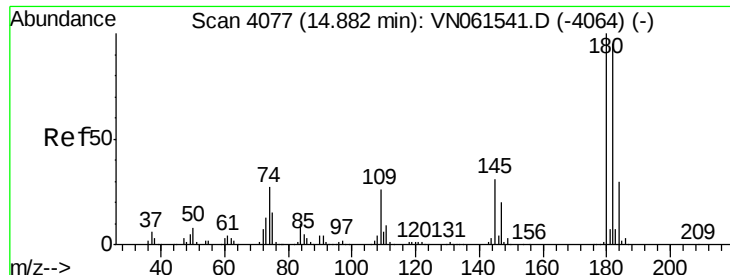
Acq: 29 May 2020 13:15

Tgt Ion:	75	Resp:	488
Ion Ratio	Lower	Upper	
75	100		
155	70.1	47.1	141.4
157	81.1	60.3	180.8



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





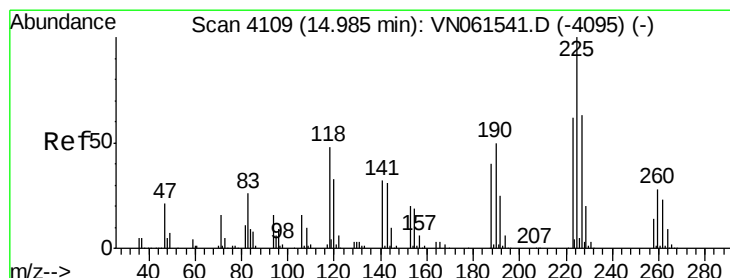
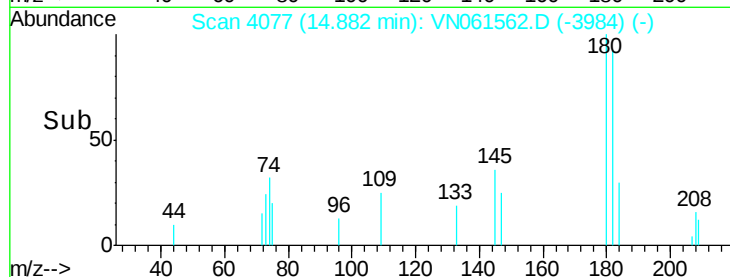
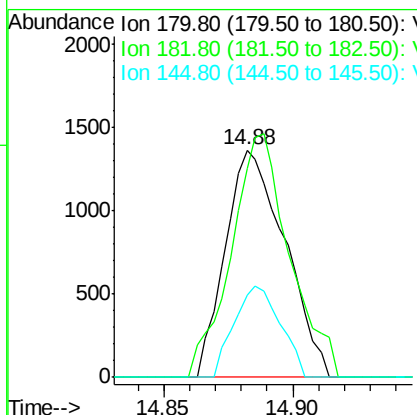
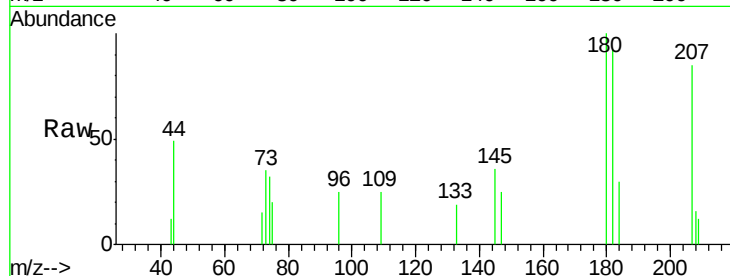
#93
 1,2,4-Trichlorobenzene
 Concen: 0.627 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061562.D
 Acq: 29 May 2020 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	105.0	47.8	143.3
145	31.3	15.5	46.5

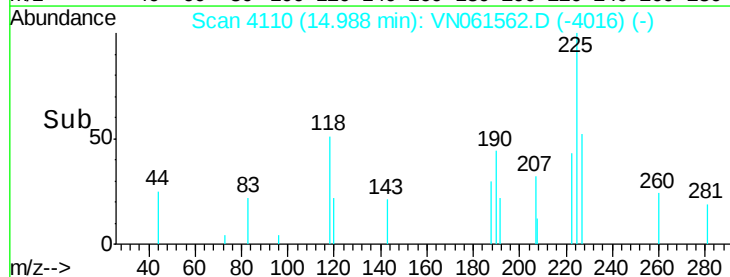
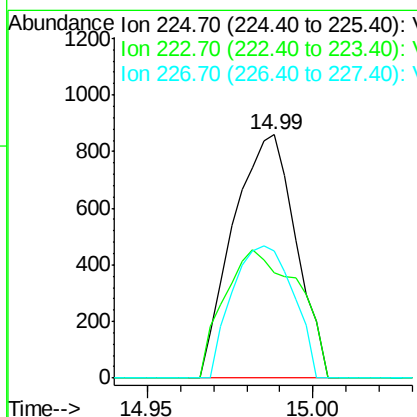
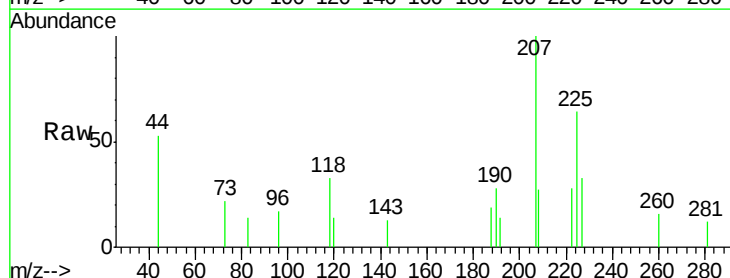
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#94
 Hexachlorobutadiene
 Concen: 0.755 ug/l
 RT: 14.99 min Scan# 4110
 Delta R.T. 0.00 min
 Lab File: VN061562.D
 Acq: 29 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.9	95.5
227	52.9	31.9	95.9





#95

Naphthalene

Concen: 0.627 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Instrument :

MSVOA_N

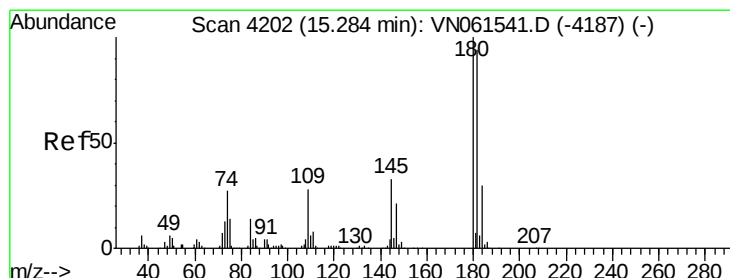
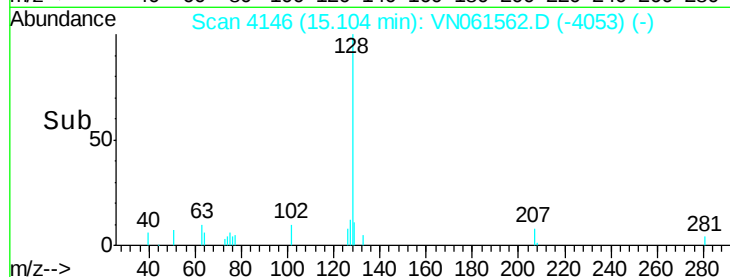
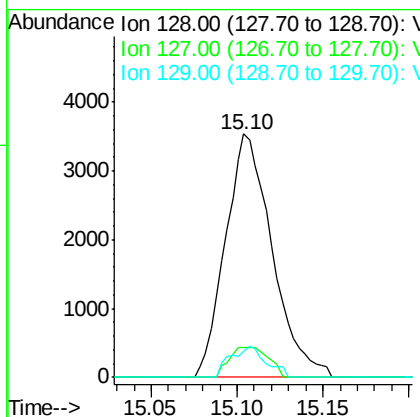
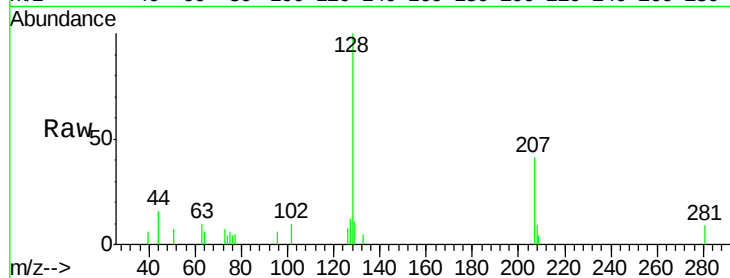
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	128	Resp:	6679
Ion	Ratio	Lower	Upper
128	100		
127	10.3	10.0	15.0
129	9.6	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/1/2020 12:30:05 PM



#96

1,2,3-Trichlorobenzene

Concen: 0.630 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. 0.01 min

Lab File: VN061562.D

Acq: 29 May 2020 13:15

Tgt Ion:	180	Resp:	2168
Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.1	141.3
145	32.6	16.3	48.9

