

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052920\
 Data File : VN061563.D
 Acq On : 29 May 2020 13:38
 Operator : JC/MD
 Sample : L2182-09 2.5PPB MDL
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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 6/1/2020 12:30:10 PM

Quant Time: May 30 07:33:13 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	276931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	492990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	450863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	192357	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	184712	55.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.96%	
35) Dibromofluoromethane	7.55	113	141815	56.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.42%	
50) Toluene-d8	10.06	98	587169	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.37	95	195717	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	5194	1.795	ug/l	95
3) Chloromethane	2.03	50	9055	2.681	ug/l	93
4) Vinyl Chloride	2.16	62	11312	2.444	ug/l	98
5) Bromomethane	2.54	94	7845	2.954	ug/l	96
6) Chloroethane	2.67	64	7729	2.594	ug/l	99
7) Trichlorofluoromethane	2.98	101	14892	2.495	ug/l	96
8) Diethyl Ether	3.37	74	4419	2.421	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	6836m	2.581	ug/l	
10) Methyl Iodide	3.91	142	9119	2.480	ug/l #	96
11) Tert butyl alcohol	4.74	59	6669	15.196	ug/l #	89
12) 1,1-Dichloroethene	3.69	96	7150	2.527	ug/l	95
13) Acrolein	3.57	56	3565	21.187	ug/l	95
14) Allyl chloride	4.28	41	8780	2.373	ug/l	95
15) Acrylonitrile	4.93	53	15091	12.320	ug/l	98
16) Acetone	3.78	43	15055	12.901	ug/l	97
17) Carbon Disulfide	4.01	76	17187	2.761	ug/l #	91
18) Methyl Acetate	4.28	43	7437	2.490	ug/l	92
19) Methyl tert-butyl Ether	4.99	73	25168	2.610	ug/l	97
20) Methylene Chloride	4.51	84	8633	2.134	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	8519	2.670	ug/l #	85
22) Diisopropyl ether	5.90	45	21276	2.609	ug/l	94
23) Vinyl Acetate	5.84	43	79007	12.157	ug/l	99
24) 1,1-Dichloroethane	5.80	63	13408	2.593	ug/l #	88
25) 2-Butanone	6.79	43	18917	12.098	ug/l	95
26) 2,2-Dichloropropane	6.78	77	12181	2.574	ug/l	94
27) cis-1,2-Dichloroethene	6.79	96	9815	2.716	ug/l	97
28) Bromochloromethane	7.15	49	6334	2.839	ug/l #	93
29) Tetrahydrofuran	7.17	42	12755	12.370	ug/l	99
30) Chloroform	7.33	83	15525	2.714	ug/l	94
31) Cyclohexane	7.62	56	16852	3.624	ug/l #	75
32) 1,1,1-Trichloroethane	7.53	97	12982	2.491	ug/l #	47
36) 1,1-Dichloropropene	7.75	75	10405	2.384	ug/l	98
37) Ethyl Acetate	6.88	43	9418	2.679	ug/l #	83
38) Carbon Tetrachloride	7.73	117	9390	2.231	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	12137	2.256	ug/l	97
40) Benzene	8.00	78	31755	2.358	ug/l	96
41) Methacrylonitrile	7.14	41	4181m	2.596	ug/l	
42) 1,2-Dichloroethane	8.09	62	11566	2.566	ug/l	94
43) Isopropyl Acetate	8.13	43	14844	2.347	ug/l #	89
44) Trichloroethene	8.80	130	9604	2.321	ug/l	98
45) 1,2-Dichloropropane	9.09	63	7571	2.368	ug/l	95
46) Dibromomethane	9.18	93	5712	2.329	ug/l	91
47) Bromodichloromethane	9.37	83	11193	2.304	ug/l	98
48) Methyl methacrylate	9.17	41	6268	2.203	ug/l	93
49) 1,4-Dioxane	9.17	88	2647	60.052	ug/l #	90
51) 4-Methyl-2-Pentanone	9.95	43	39733	11.149	ug/l	100
52) Toluene	10.13	92	21131	2.404	ug/l	99
53) t-1,3-Dichloropropene	10.36	75	11872	2.268	ug/l	95
54) cis-1,3-Dichloropropene	9.81	75	12653	2.248	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	8012	2.288	ug/l	96
56) Ethyl methacrylate	10.40	69	10054	2.055	ug/l #	93
57) 1,3-Dichloropropane	10.68	76	13251	2.366	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	22356	10.695	ug/l	99
59) 2-Hexanone	10.72	43	27887	10.896	ug/l	90
60) Dibromochloromethane	10.88	129	8059	2.024	ug/l	92
61) 1,2-Dibromoethane	10.98	107	7839	2.147	ug/l	95
64) Tetrachloroethene	10.61	164	9467	2.231	ug/l	94
65) Chlorobenzene	11.41	112	22505	2.401	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	7364	2.110	ug/l	93
67) Ethyl Benzene	11.48	91	37277	2.301	ug/l	96
68) m/p-Xylenes	11.60	106	29495	4.592	ug/l	98
69) o-Xylene	11.92	106	13957	2.288	ug/l	100
70) Styrene	11.94	104	20248	2.004	ug/l	96
71) Bromoform	12.10	173	4777	1.777	ug/l #	98
73) Isopropylbenzene	12.22	105	36431	2.595	ug/l	98
74) N-amyl acetate	12.05	43	10618	2.402	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.48	83	9656	2.454	ug/l	92
76) 1,2,3-Trichloropropane	12.53	75	9260m	2.647	ug/l	
77) Bromobenzene	12.50	156	8745	2.440	ug/l	89
78) n-propylbenzene	12.56	91	40213	2.566	ug/l	98
79) 2-Chlorotoluene	12.65	91	24939	2.668	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	28716	2.447	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	2694m	1.970	ug/l	
82) 4-Chlorotoluene	12.75	91	24612	2.503	ug/l	99
83) tert-Butylbenzene	12.97	119	25965	2.504	ug/l	94
84) 1,2,4-Trimethylbenzene	13.01	105	29196	2.504	ug/l	99
85) sec-Butylbenzene	13.15	105	32908	2.463	ug/l	97
86) p-Isopropyltoluene	13.26	119	28788	2.340	ug/l	97
87) 1,3-Dichlorobenzene	13.26	146	15134	2.385	ug/l	95
88) 1,4-Dichlorobenzene	13.34	146	15570m	2.408	ug/l	
89) n-Butylbenzene	13.59	91	24721	2.399	ug/l	97
90) Hexachloroethane	13.85	117	3102	2.280	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	15186	2.504	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1679	2.093	ug/l	95

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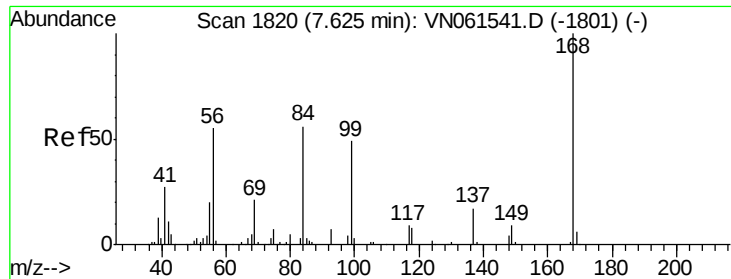
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	7078	1.996	ug/l	97
94) Hexachlorobutadiene	14.99	225	3547	2.345	ug/l	97
95) Naphthalene	15.10	128	21606	2.001	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	7738	2.219	ug/l	95

(#) = 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: VN061563.D

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Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:168 Resp: 276931

Ion Ratio Lower Upper

168 100

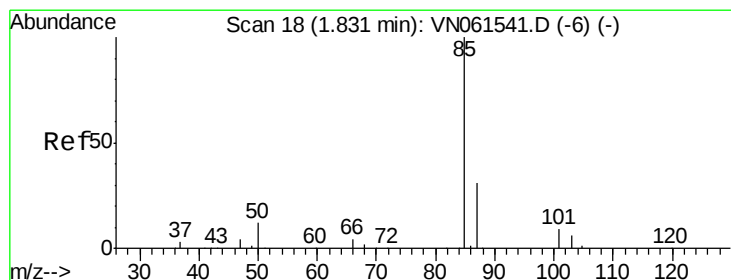
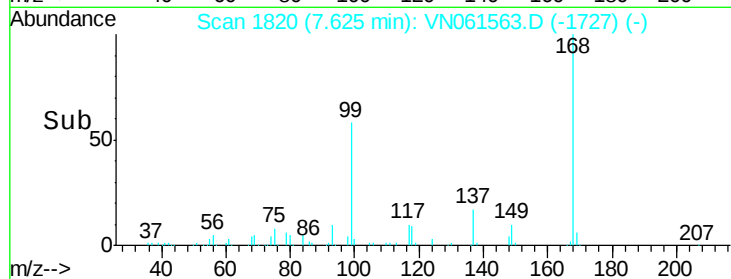
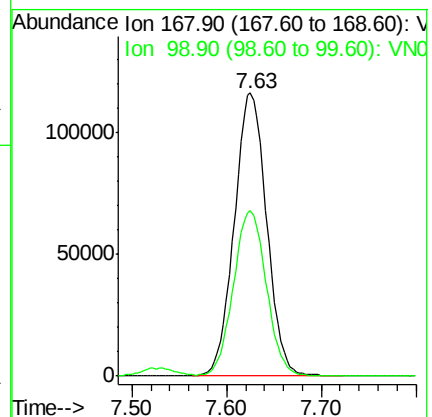
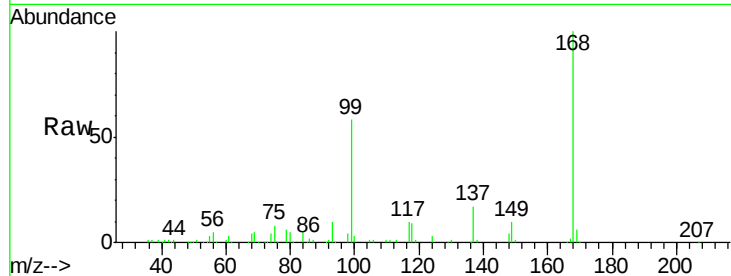
99 58.2 45.0 67.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 1.795 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN061563.D

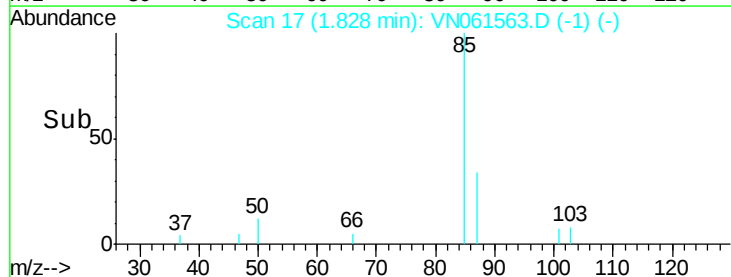
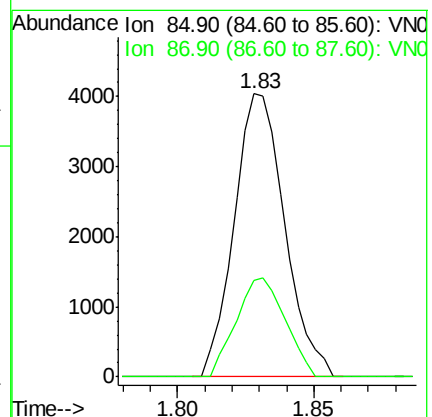
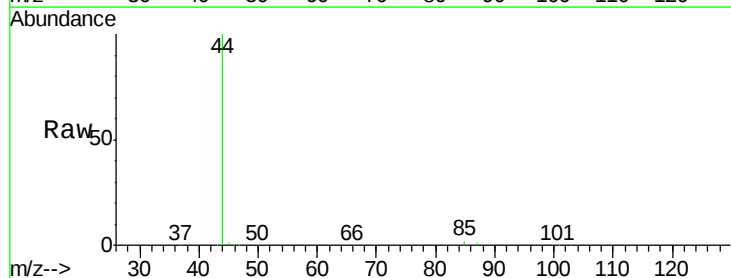
Acq: 29 May 2020 13:38

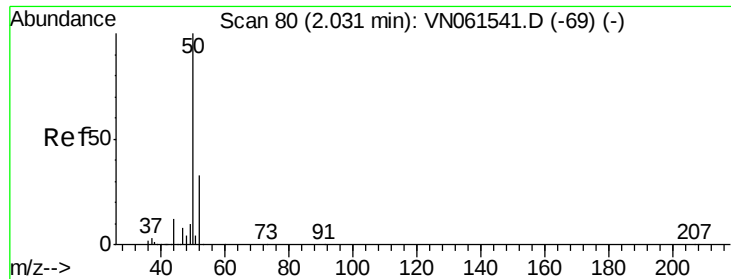
Tgt Ion: 85 Resp: 5194

Ion Ratio Lower Upper

85 100

87 34.0 15.6 46.8





#3

Chloromethane

Concen: 2.681 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 50 Resp: 9055

Ion Ratio Lower Upper

50 100

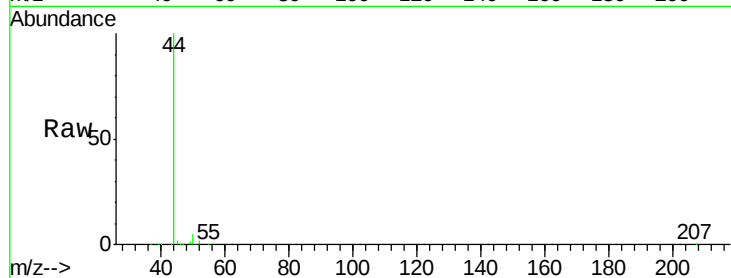
52 29.5 26.7 40.1

Manual Integrations

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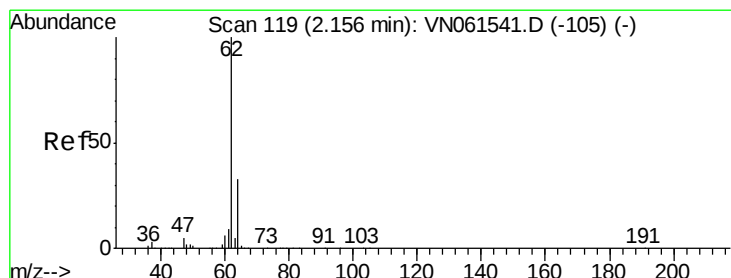
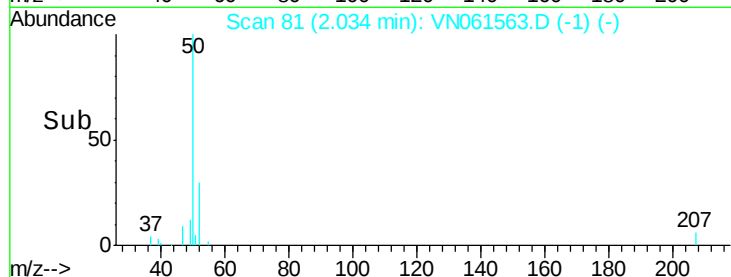
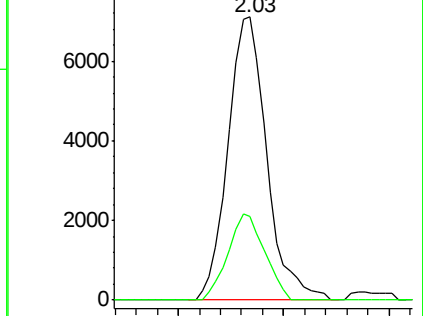
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 2.444 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN061563.D

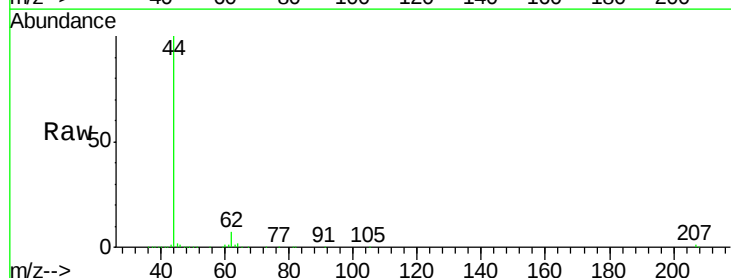
Acq: 29 May 2020 13:38

Tgt Ion: 62 Resp: 11312

Ion Ratio Lower Upper

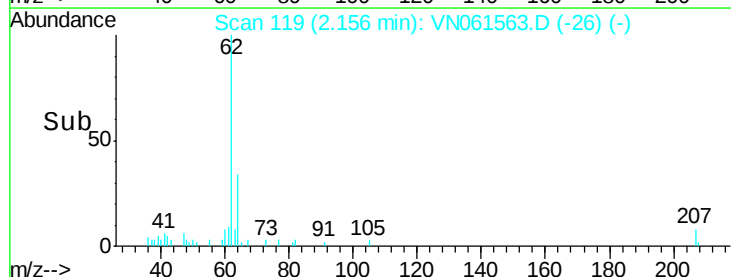
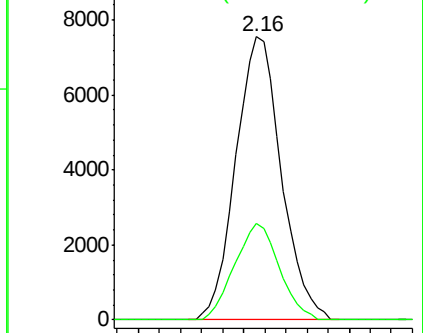
62 100

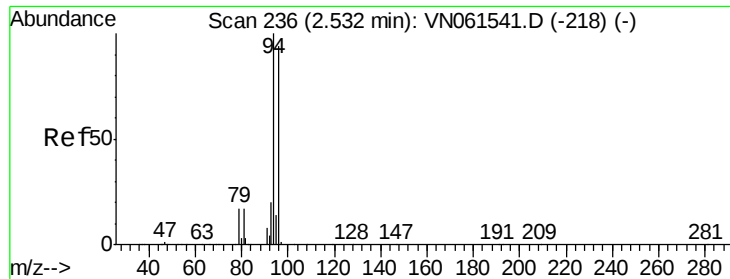
64 34.0 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 2.954 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

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Tot Ion: 94 Resp: 7845

Ion Ratio Lower Upper

94 100

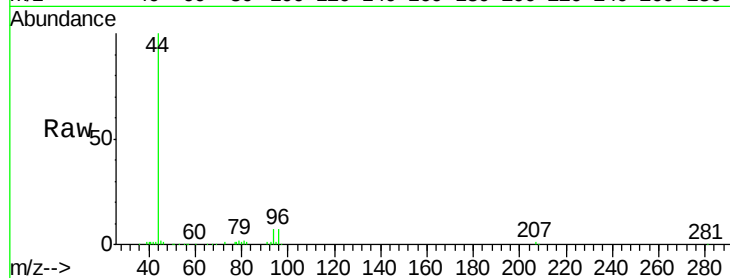
96 89.7 74.8 112.2

Manual Integrations

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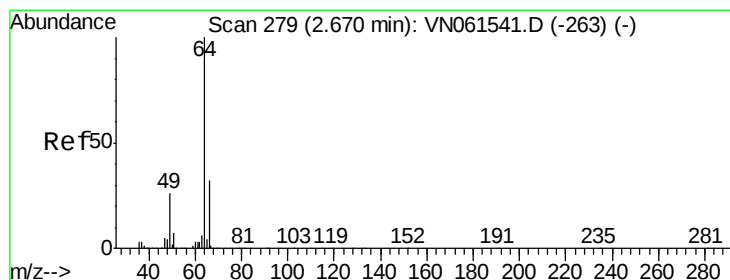
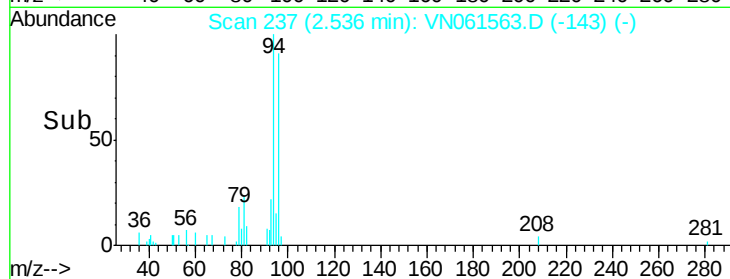
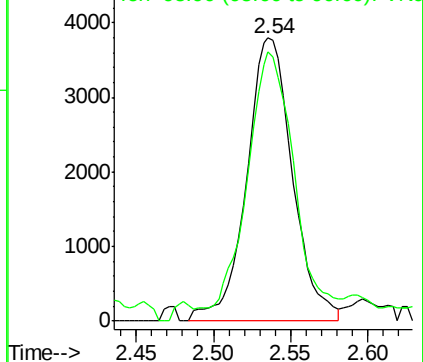
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 2.594 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN061563.D

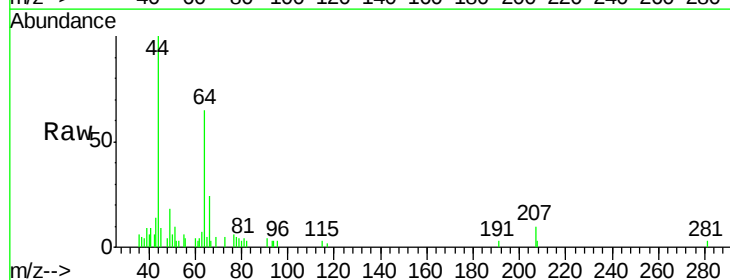
Acq: 29 May 2020 13:38

Tgt Ion: 64 Resp: 7729

Ion Ratio Lower Upper

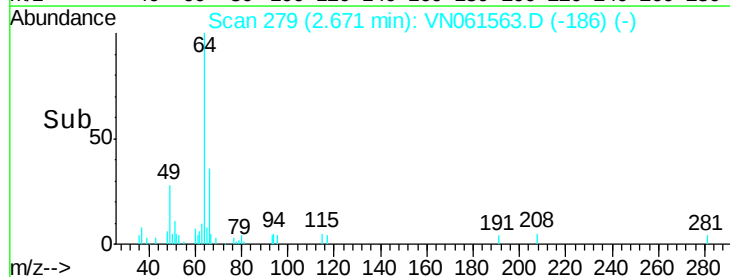
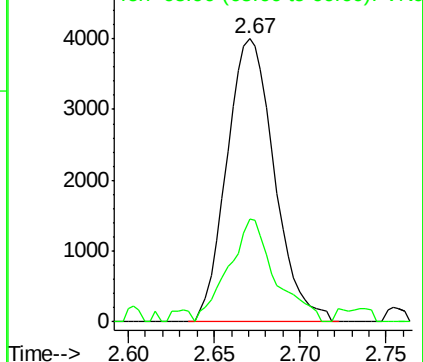
64 100

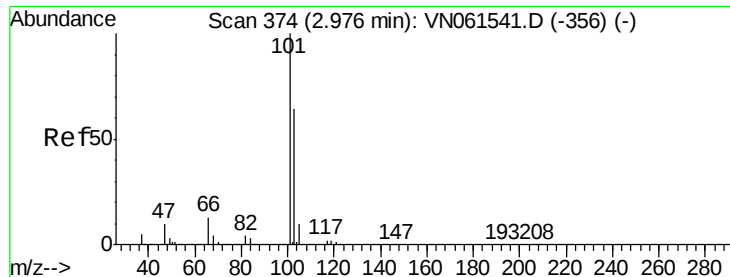
66 32.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

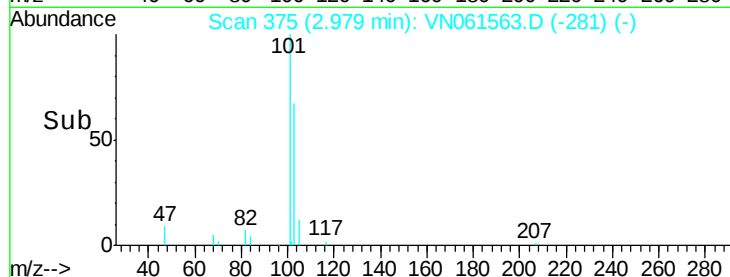
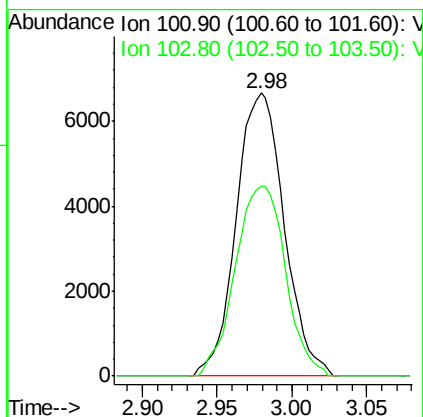
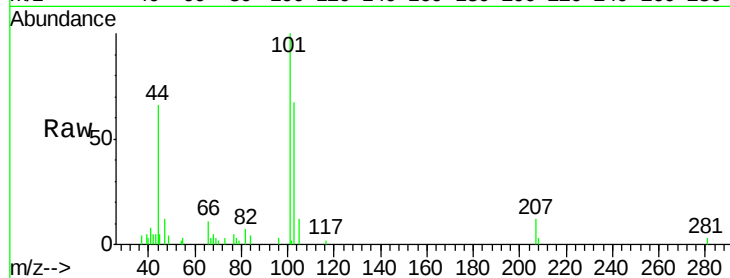
Trichlorofluoromethane
Concen: 2.495 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN061563.D
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MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	51.4	77.2

Manual Integrations
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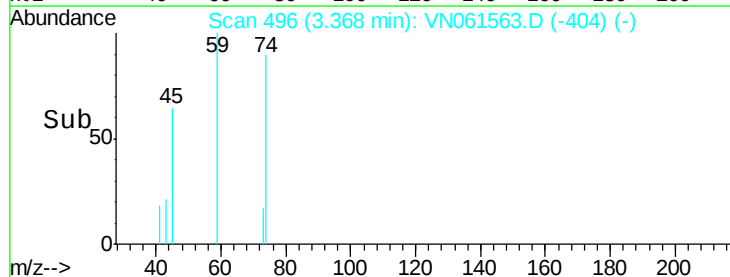
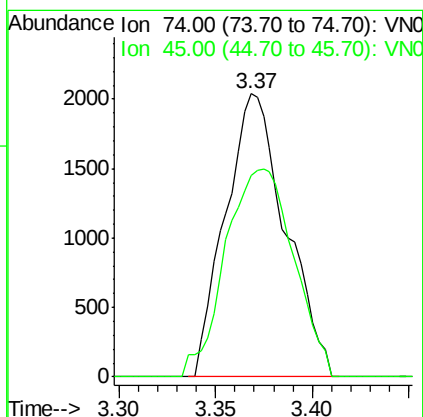
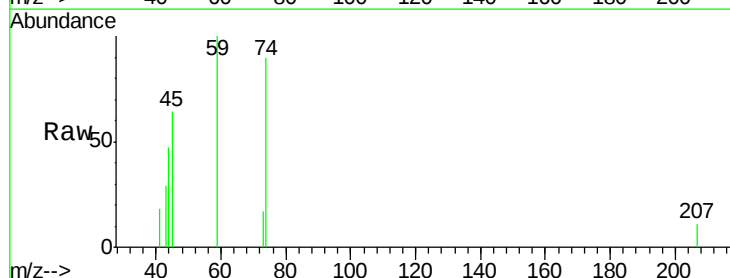
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#8

Diethyl Ether
Concen: 2.421 ug/l
RT: 3.37 min Scan# 496
Delta R.T. -0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.0	39.9	119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.581 ug/l m

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

Instrument :

MSVOA_N

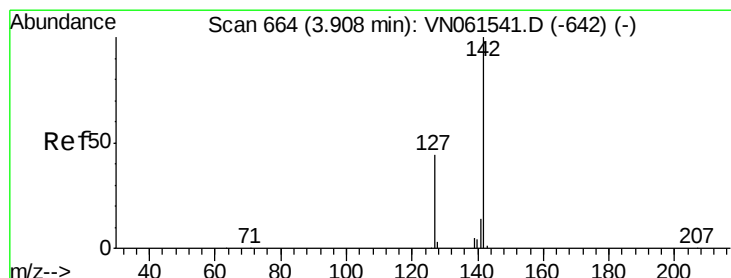
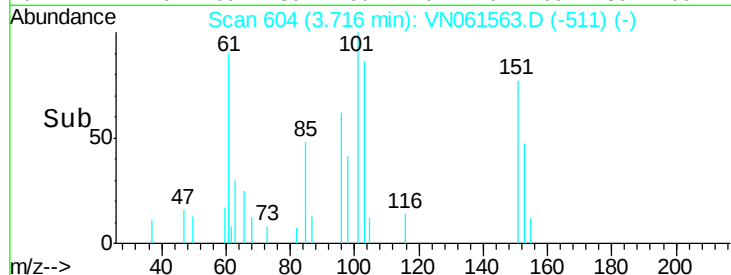
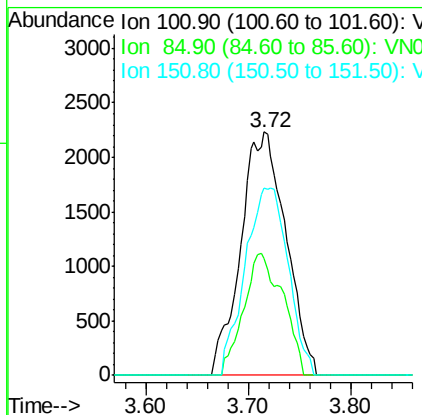
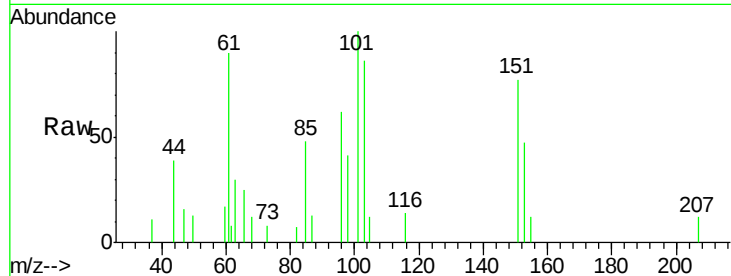
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	101	Resp:	6836
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.2	52.8
151	73.5	61.0	91.6

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#10

Methyl Iodide

Concen: 2.480 ug/l

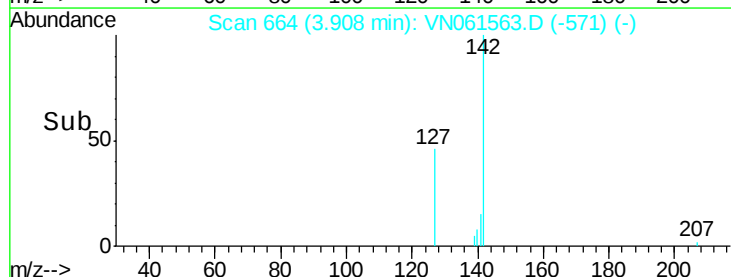
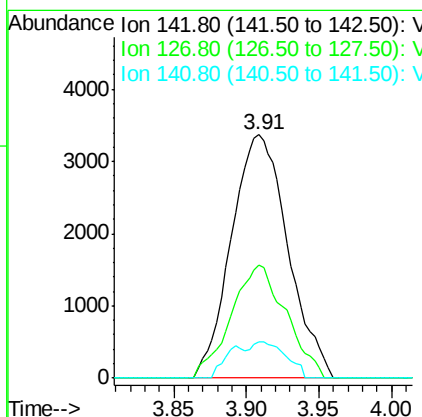
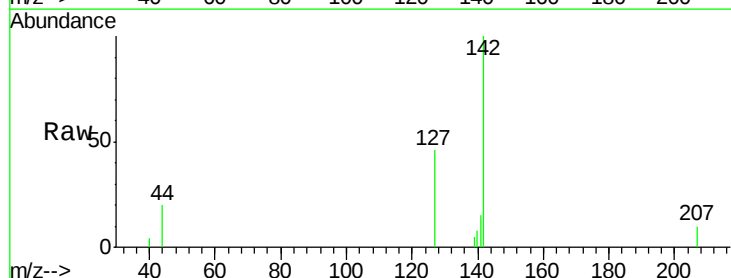
RT: 3.91 min Scan# 664

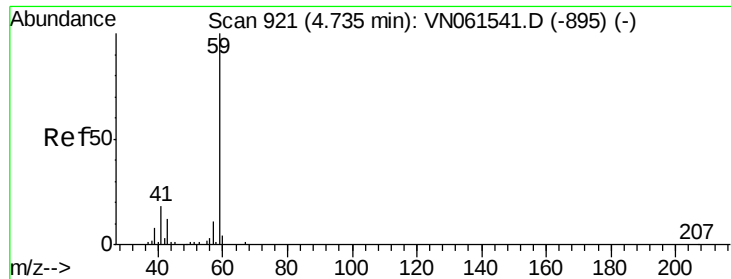
Delta R.T. 0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

Tgt Ion:	142	Resp:	9119
Ion Ratio	Lower	Upper	
142	100		
127	45.0	35.5	53.3
141	8.6	11.5	17.3#





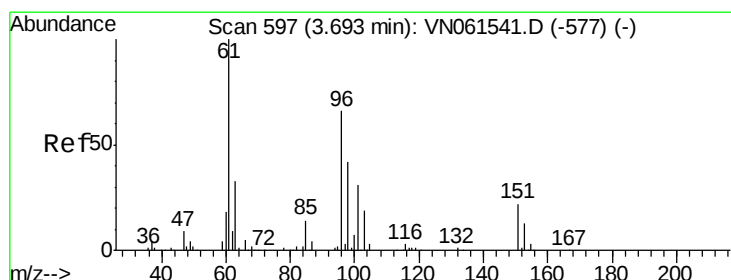
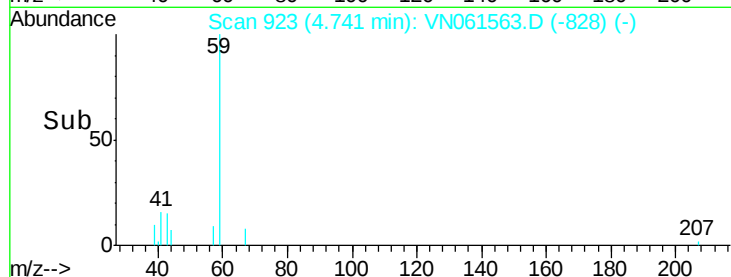
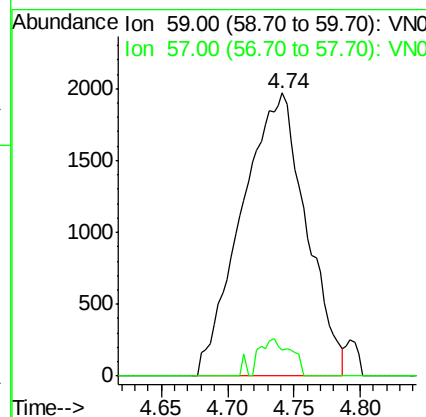
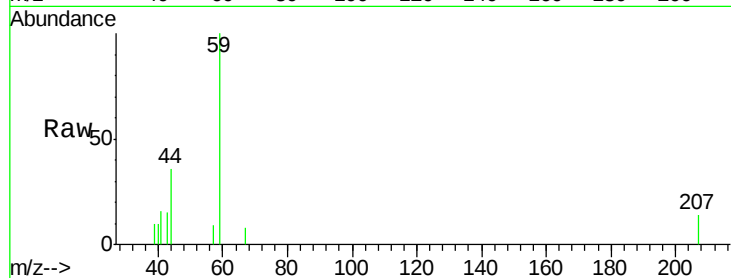
#11
Tert butyl alcohol
Concen: 15.196 ug/l
RT: 4.74 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

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

Tot Ion: 59 Resp: 6669
Ion Ratio Lower Upper
59 100
57 6.3 8.4 12.6#

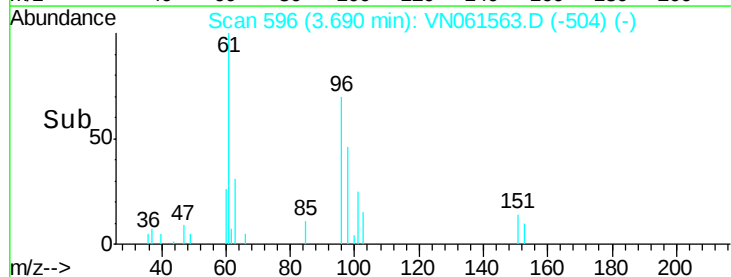
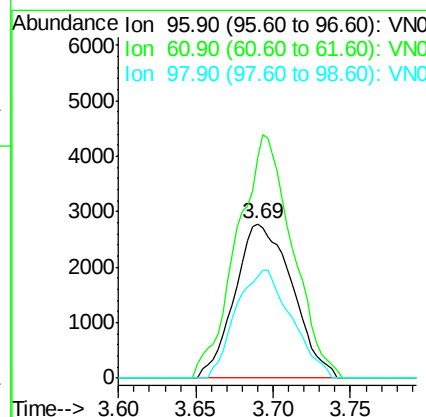
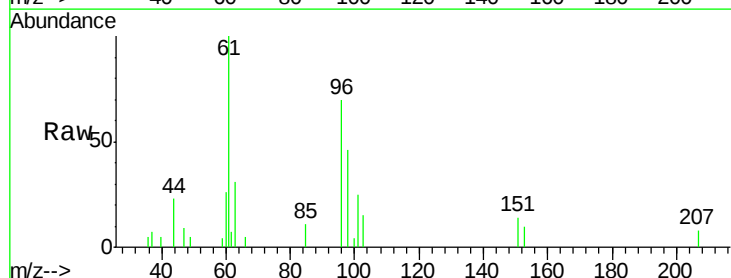
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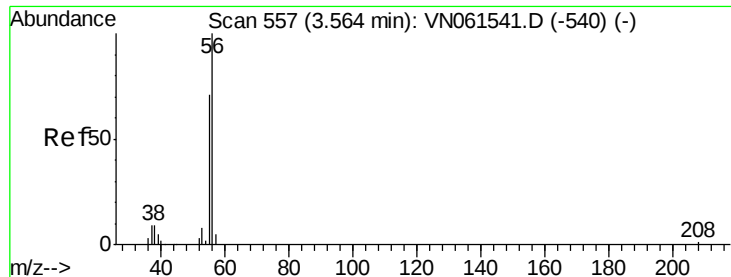
MMDadoda
6/1/2020 12:30:10 PM



#12
1,1-Dichloroethene
Concen: 2.527 ug/l
RT: 3.69 min Scan# 596
Delta R.T. -0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

Tgt Ion: 96 Resp: 7150
Ion Ratio Lower Upper
96 100
61 142.5 120.5 180.7
98 65.7 50.8 76.2





#13

Acrolein

Concen: 21.187 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.01 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 56 Resp: 3565

Ion Ratio Lower Upper

56 100

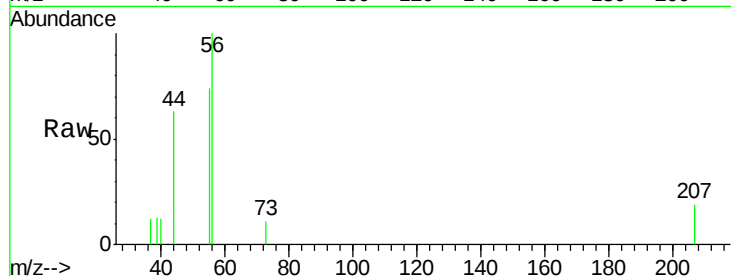
55 76.7 58.0 87.0

Manual Integrations

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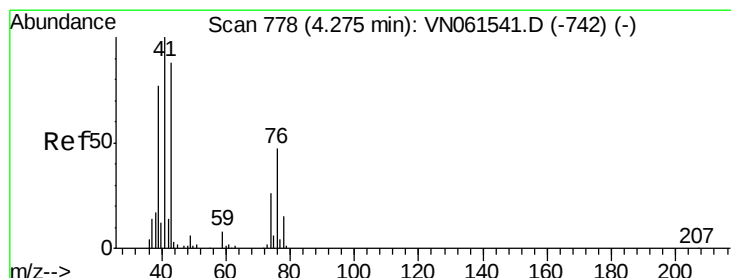
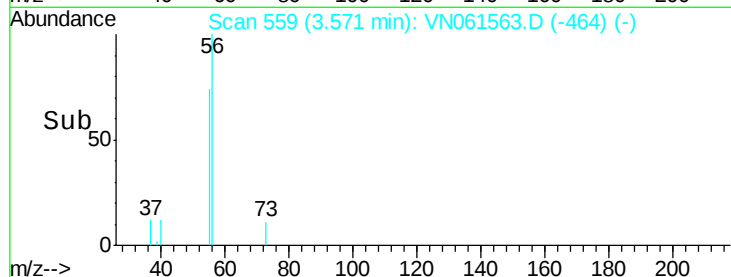
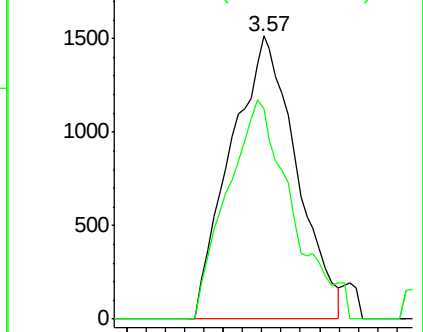
MMDadoda

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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: 2.373 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.01 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

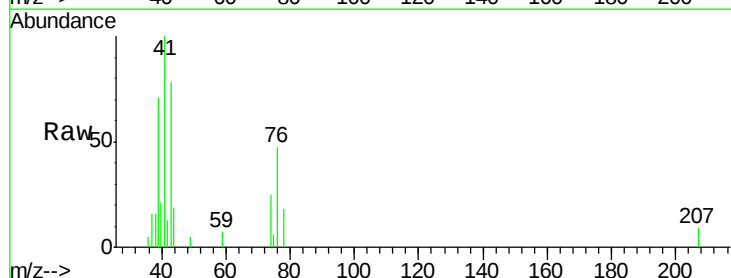
Tgt Ion: 41 Resp: 8780

Ion Ratio Lower Upper

41 100

39 77.3 58.6 88.0

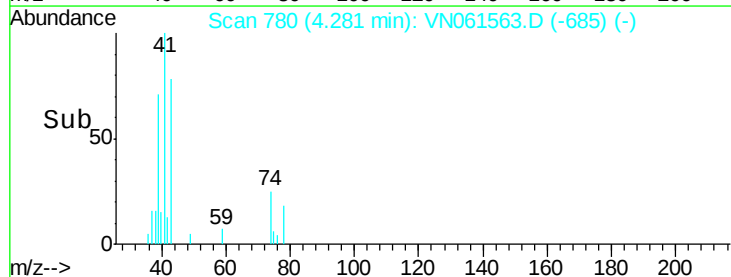
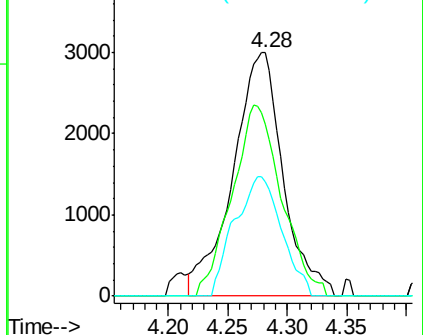
76 45.9 34.2 51.4

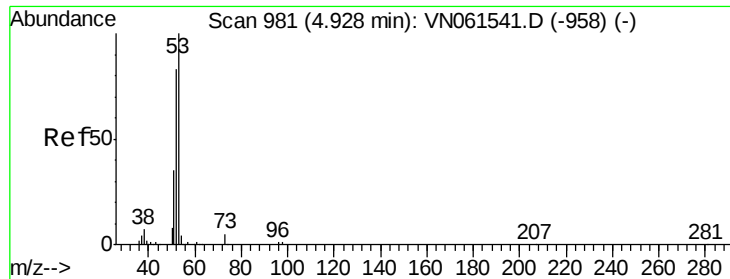


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 12.320 ug/l

RT: 4.93 min Scan# 981

Delta R.T. 0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

Instrument :

MSVOA_N

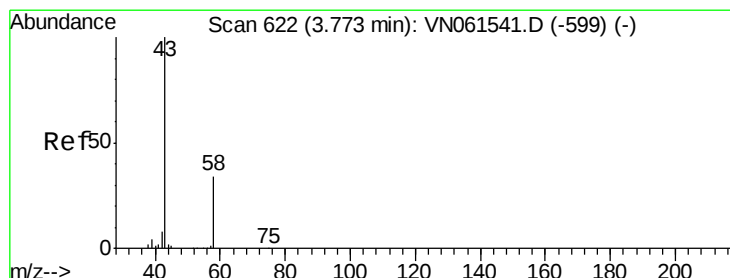
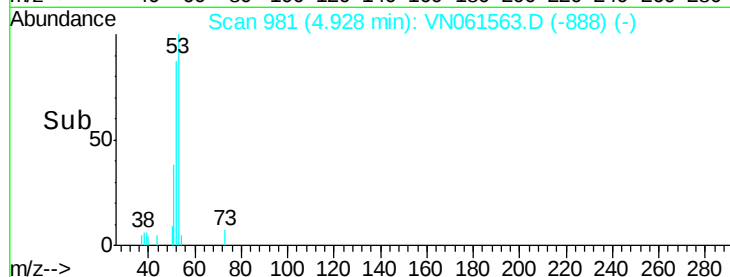
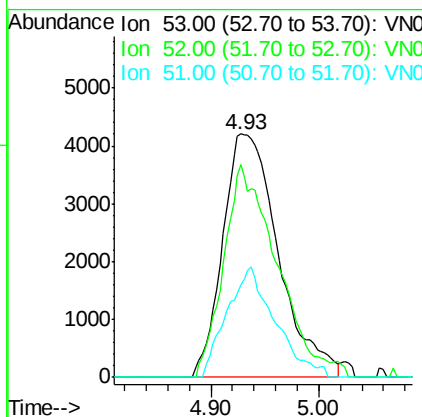
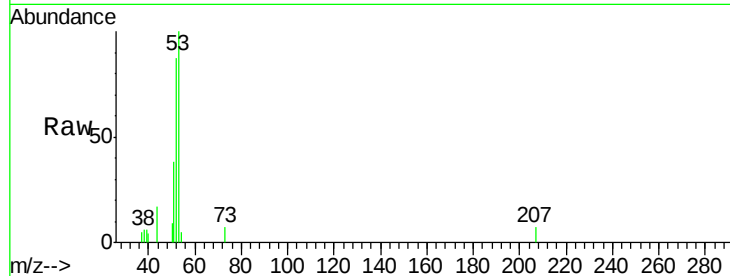
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	53	Resp:	15091
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.4	98.2
51	39.2	29.0	43.6

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#16

Acetone

Concen: 12.901 ug/l

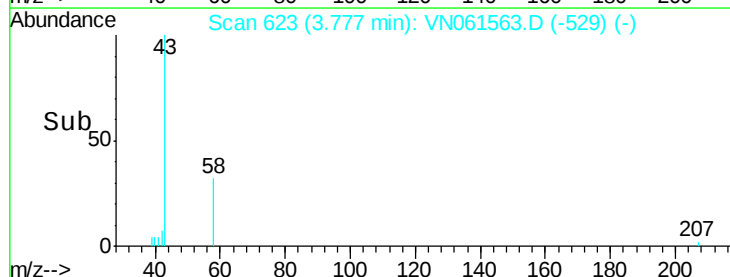
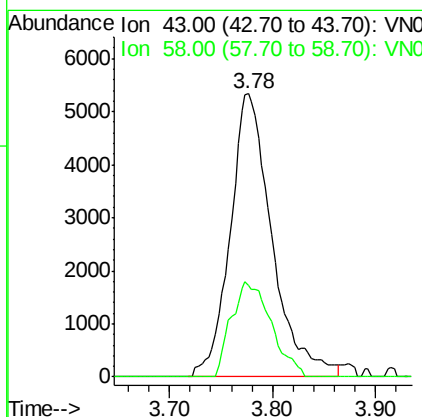
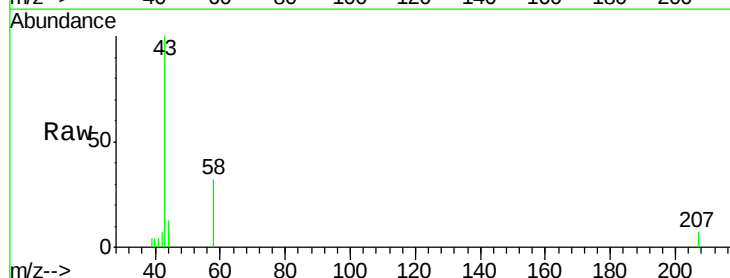
RT: 3.78 min Scan# 623

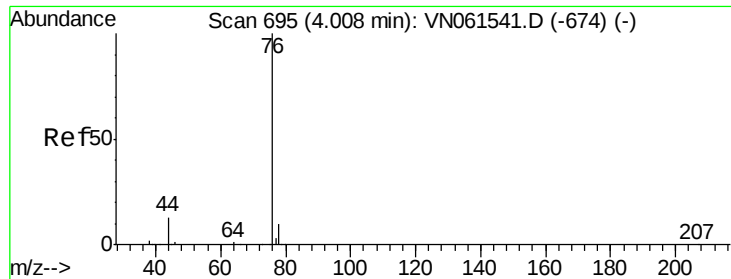
Delta R.T. 0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

Tgt Ion:	43	Resp:	15055
Ion	Ratio	Lower	Upper
43	100		
58	32.4	27.2	40.8





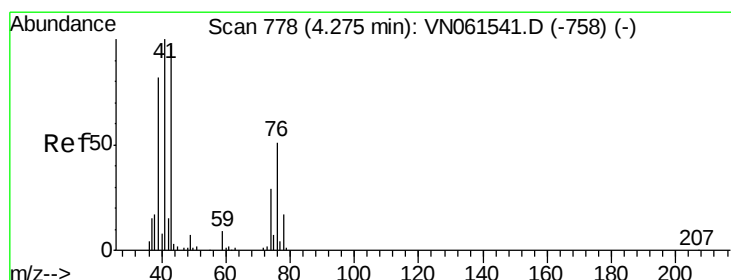
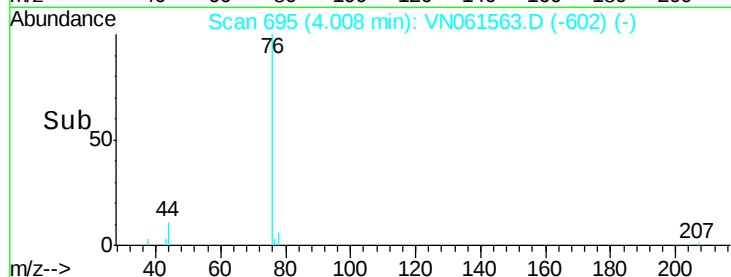
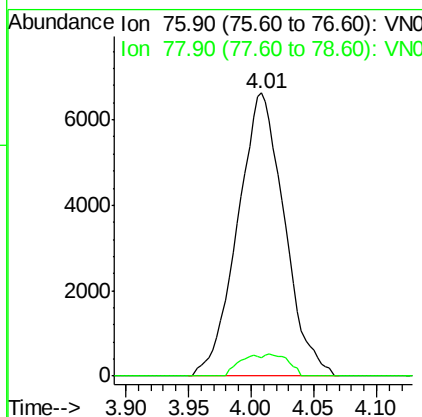
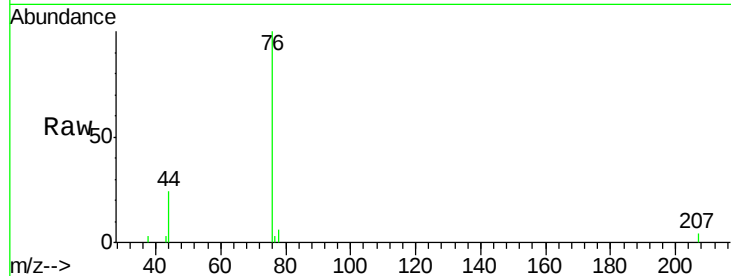
#17
Carbon Disulfide
Concen: 2.761 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

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

Tot Ion: 76 Resp: 17187
Ion Ratio Lower Upper
76 100
78 6.5 7.8 11.6#

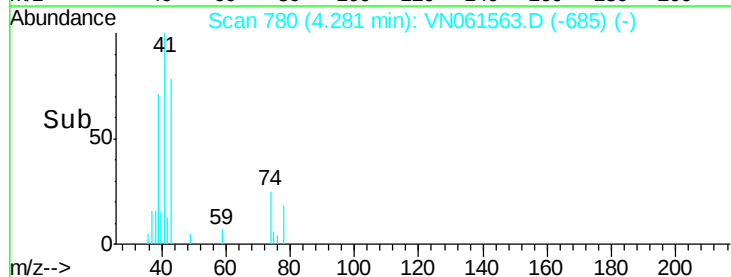
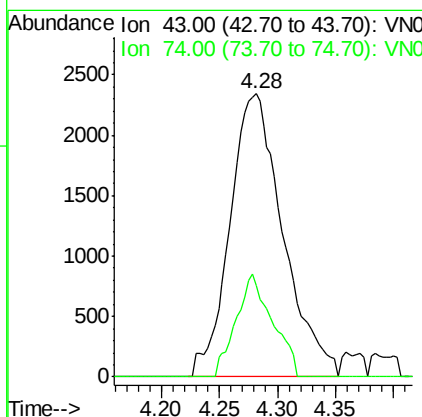
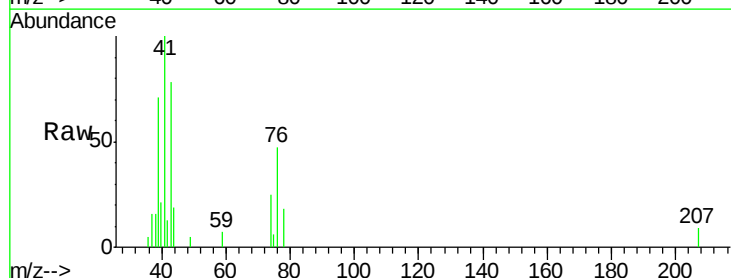
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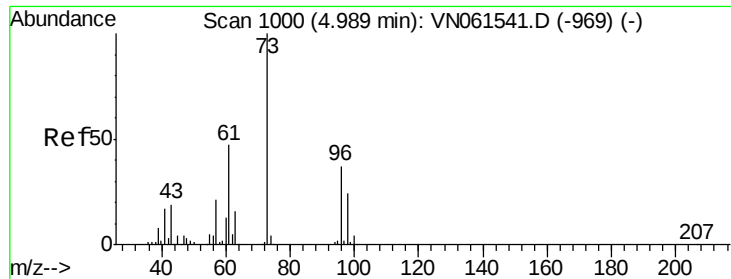
MMDadoda
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#18
Methyl Acetate
Concen: 2.490 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

Tgt Ion: 43 Resp: 7437
Ion Ratio Lower Upper
43 100
74 24.9 23.2 34.8





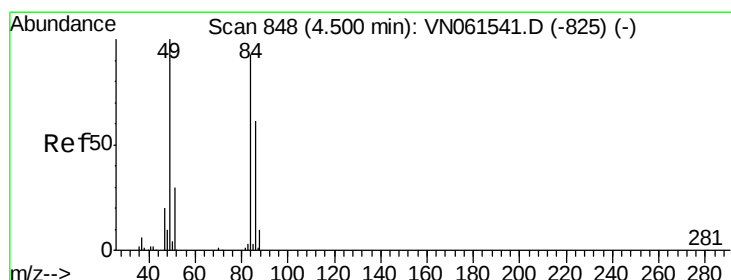
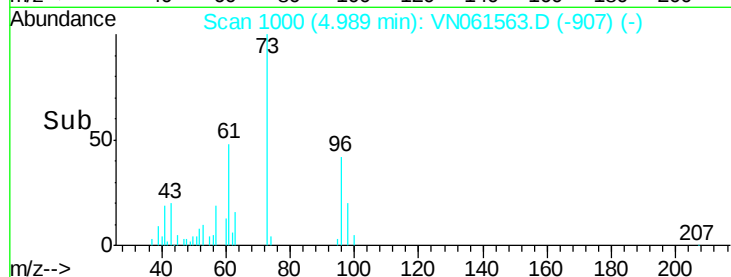
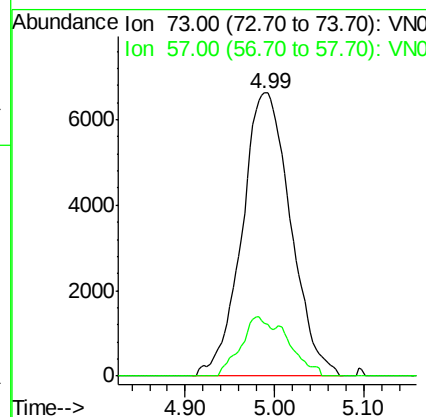
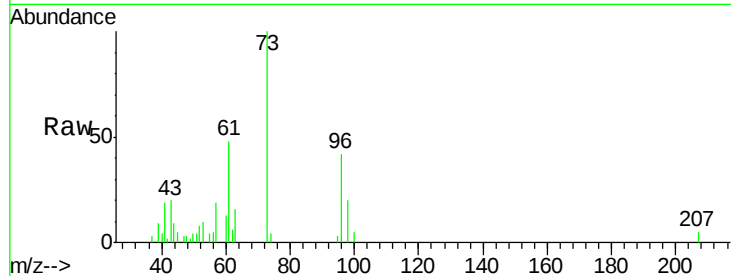
#19
Methvl tert-butvl Ether
Concen: 2.610 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

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

Tot Ion: 73 Resp: 25168
Ion Ratio Lower Upper
73 100
57 18.9 16.4 24.6

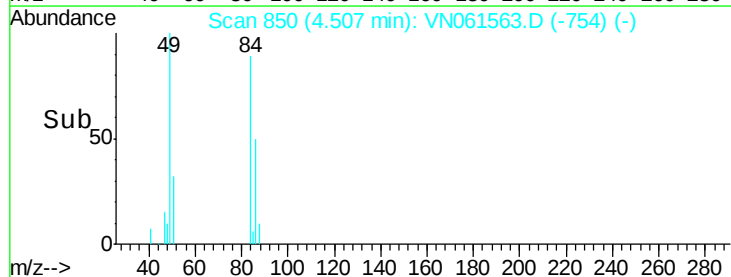
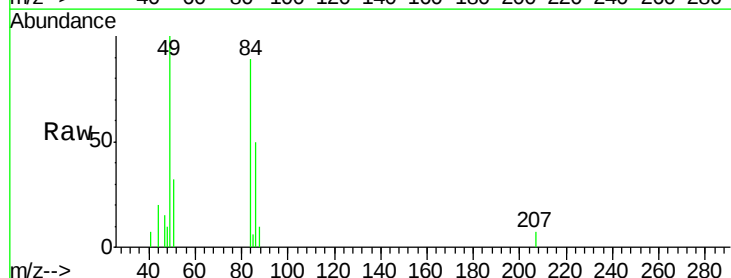
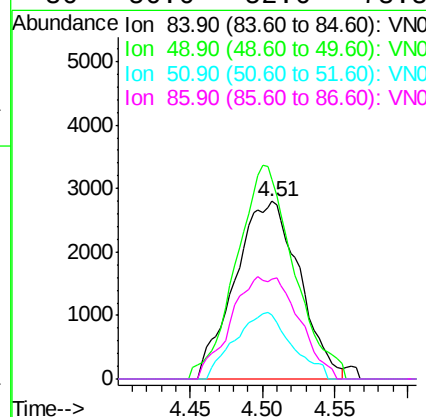
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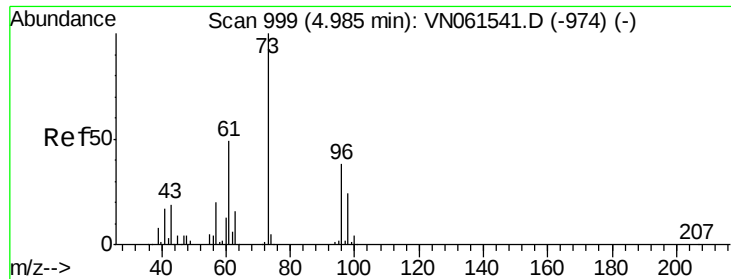
MMDadoda
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#20
Methylene Chloride
Concen: 2.134 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

Tgt Ion: 84 Resp: 8633
Ion Ratio Lower Upper
84 100
49 106.2 85.8 128.8
51 35.9 26.2 39.2
86 56.6 52.6 78.8





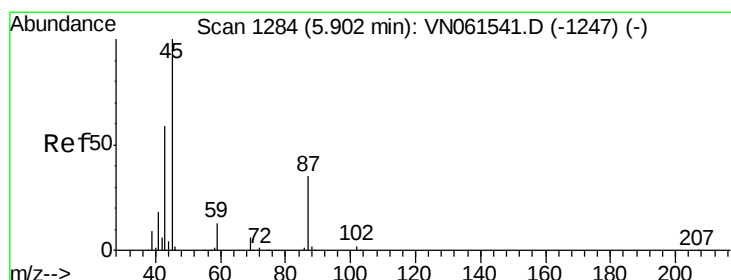
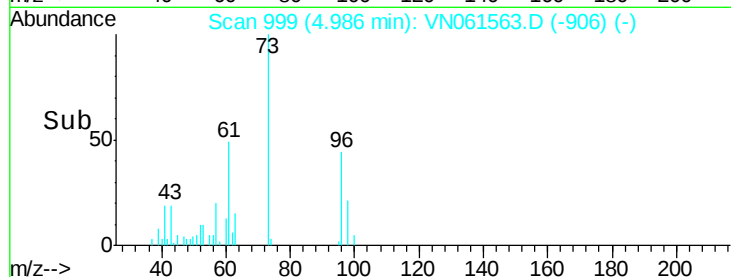
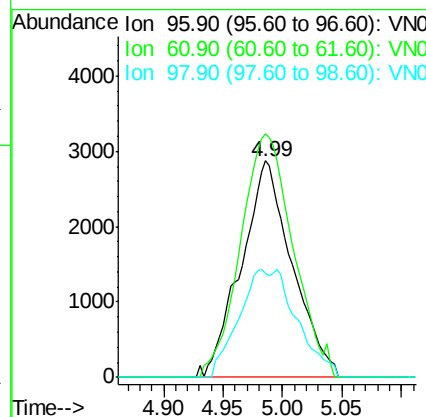
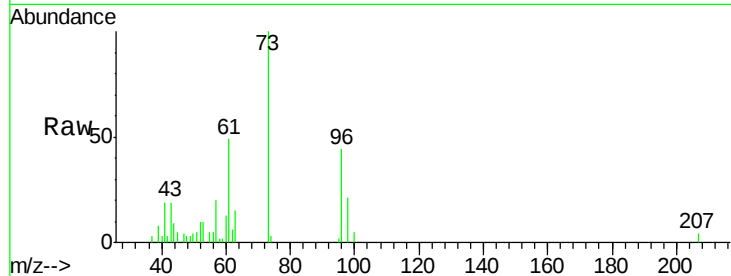
#21
trans-1,2-Dichloroethene
Concen: 2.670 ug/l
RT: 4.99 min Scan# 999
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	112.6	101.4	152.0
98	48.3	50.6	76.0

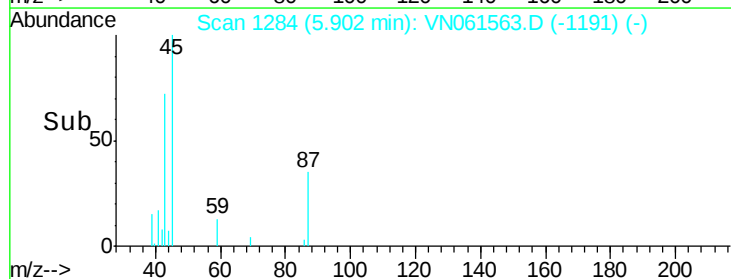
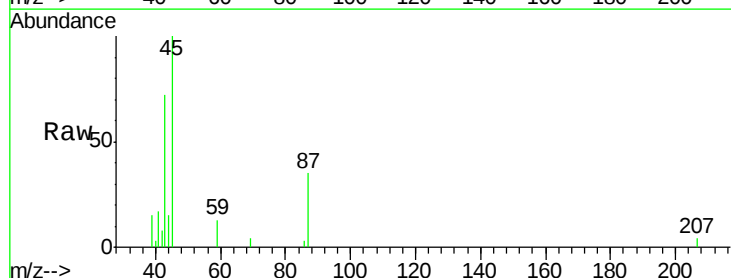
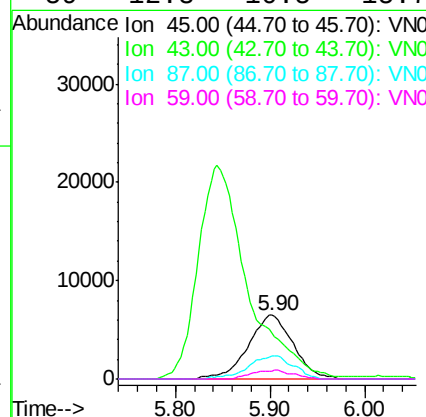
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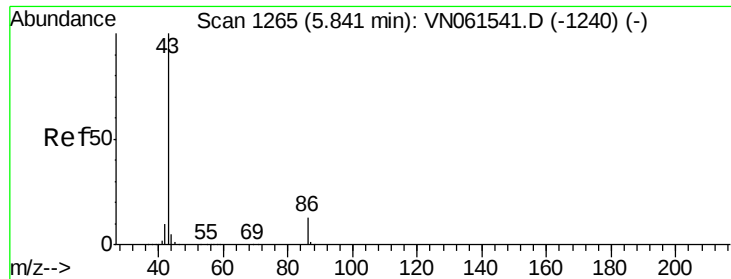
MMDadoda
6/1/2020 12:30:10 PM



#22
Diisopropyl ether
Concen: 2.609 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.5	47.9	71.9
87	35.5	28.4	42.6
59	12.8	10.5	15.7





#23

Vinyl Acetate

Concen: 12.157 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 43 Resp: 79007

Ion Ratio Lower Upper

43 100

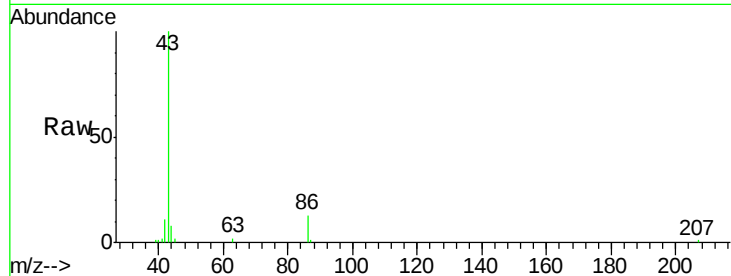
86 12.9 10.6 16.0

Manual Integrations

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6/1/2020 12:30:10 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

25000

20000

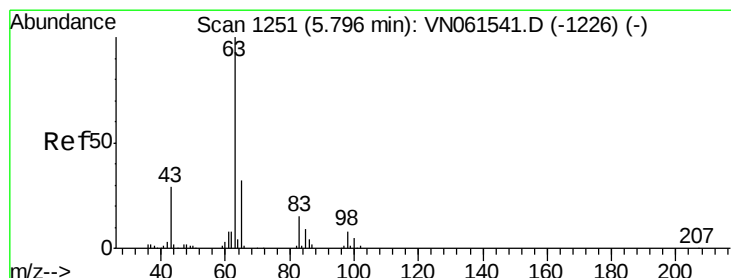
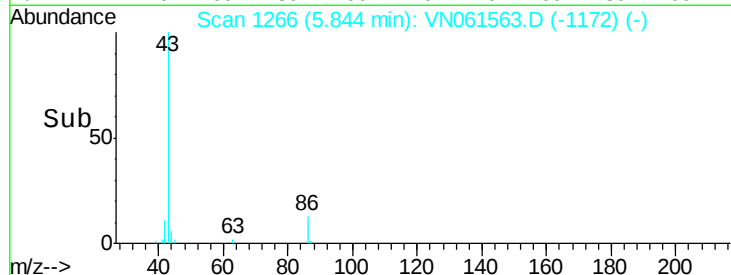
15000

10000

5000

0

Time--> 5.70 5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 2.593 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

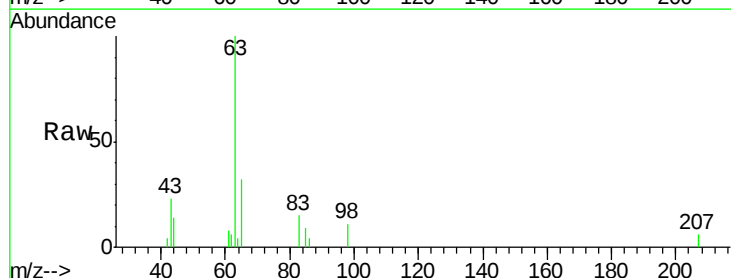
Tgt Ion: 63 Resp: 13408

Ion Ratio Lower Upper

63 100

98 11.1 3.8 11.4

100 0.0 2.5 7.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

6000

5000

4000

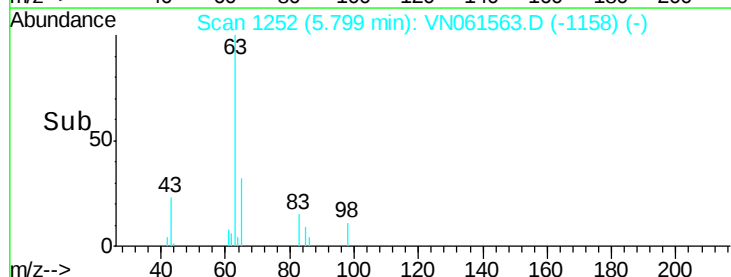
3000

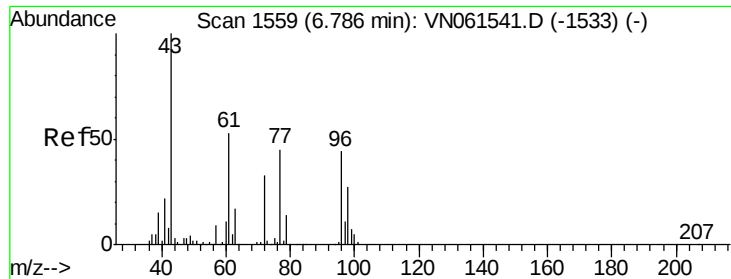
2000

1000

0

Time--> 5.70 5.75 5.80 5.85 5.90





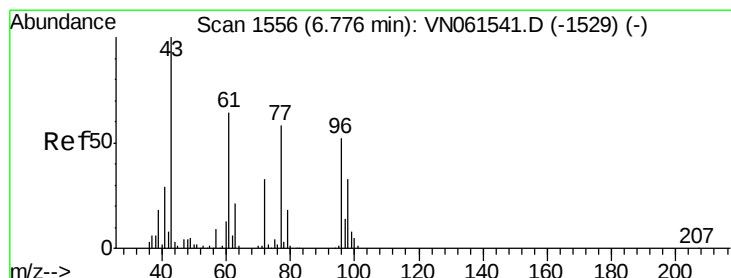
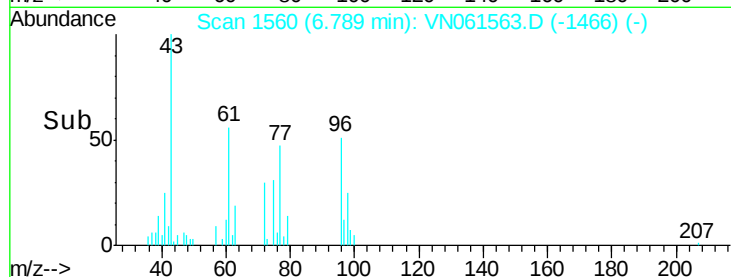
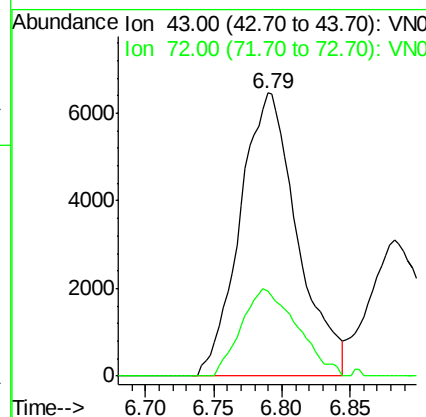
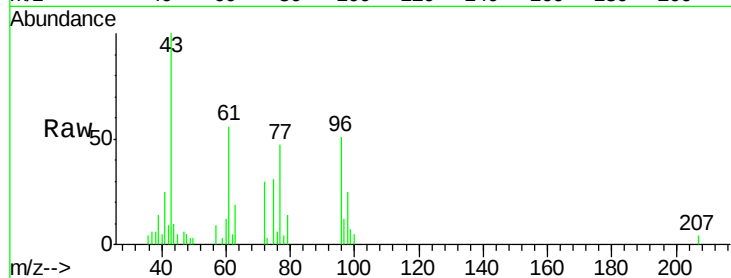
#25
2-Butanone
Concen: 12.098 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

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

Tot Ion: 43 Resp: 18917
Ion Ratio Lower Upper
43 100
72 29.9 26.0 39.0

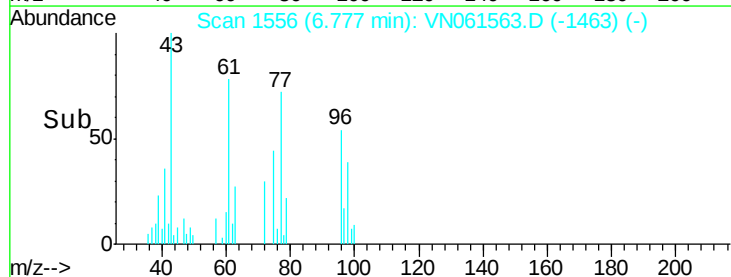
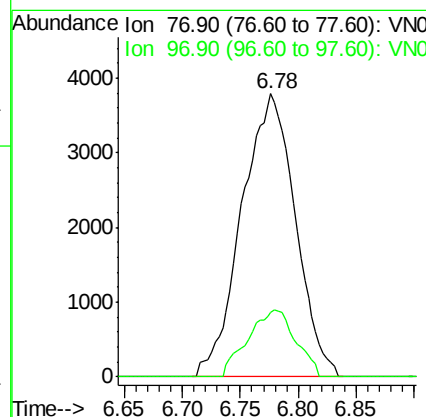
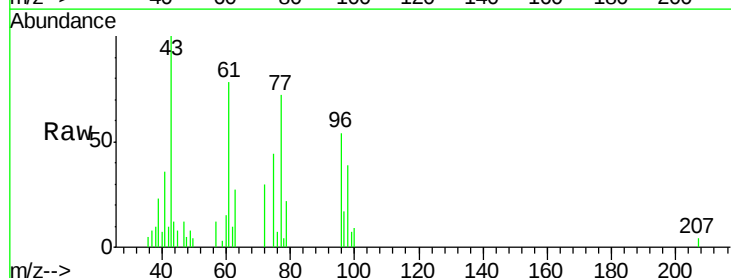
Manual Integrations
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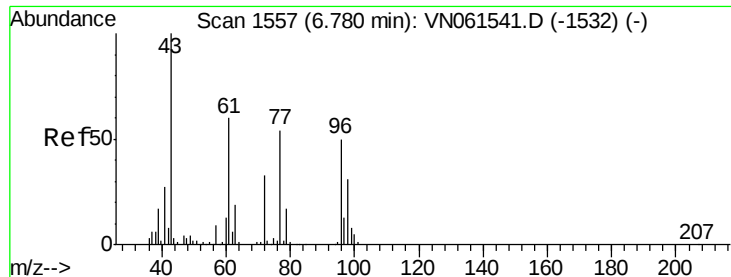
MMDadoda
6/1/2020 12:30:10 PM



#26
2,2-Dichloropropane
Concen: 2.574 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

Tgt Ion: 77 Resp: 12181
Ion Ratio Lower Upper
77 100
97 21.1 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 2.716 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.01 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

Instrument :

MSVOA_N

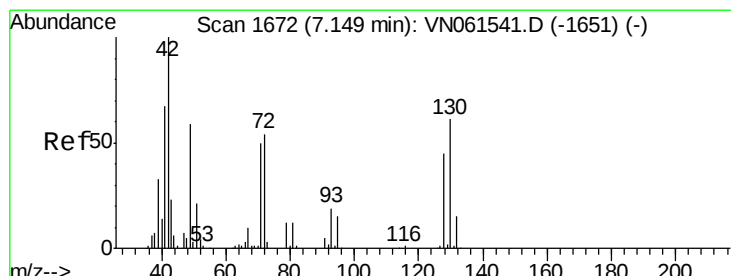
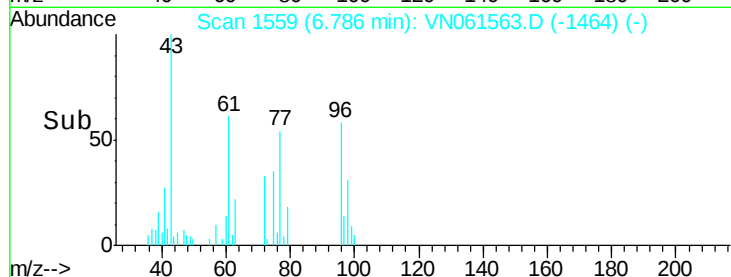
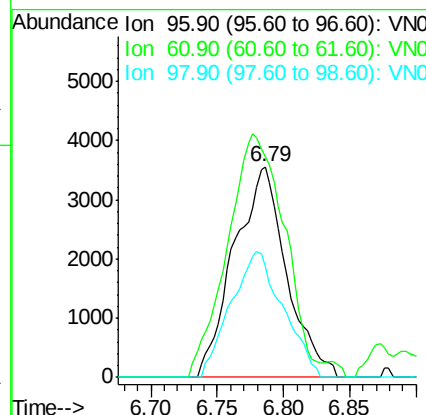
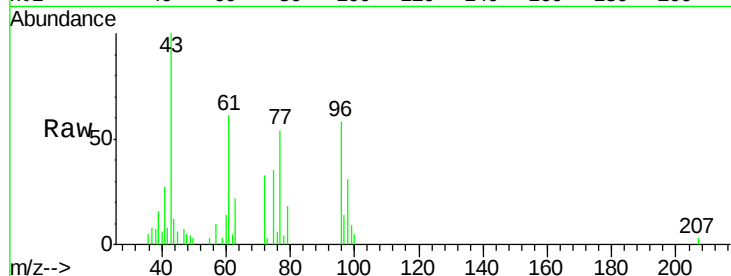
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	96	Resp:	9815
Ion	Ratio	Lower	Upper
96	100		
61	125.1	0.0	252.2
98	59.0	0.0	129.2

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#28

Bromochloromethane

Concen: 2.839 ug/l

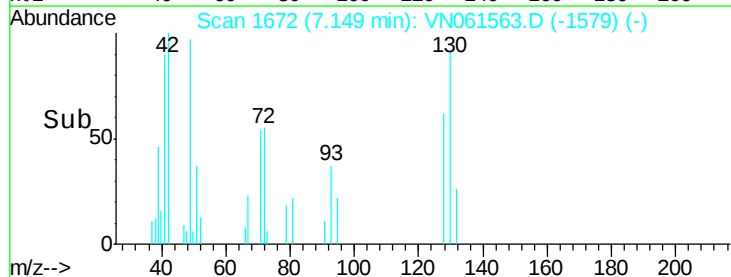
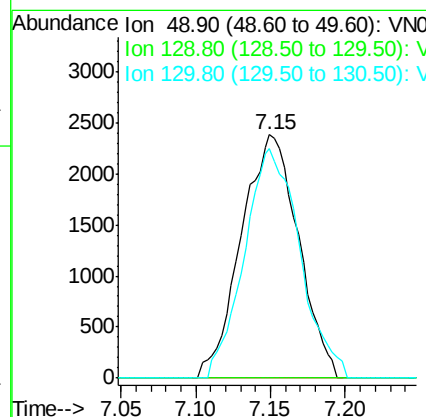
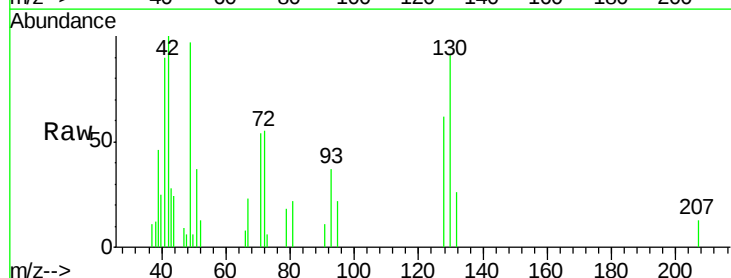
RT: 7.15 min Scan# 1672

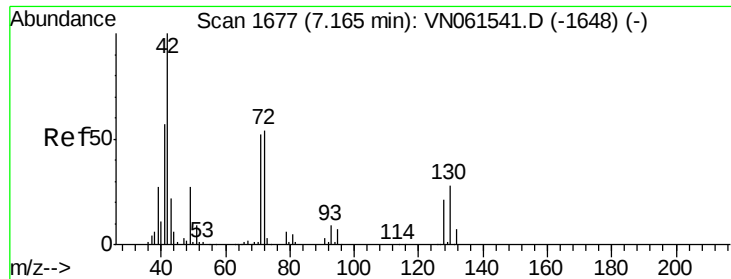
Delta R.T. 0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

Tgt Ion:	49	Resp:	6334
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	91.3	78.8	118.2





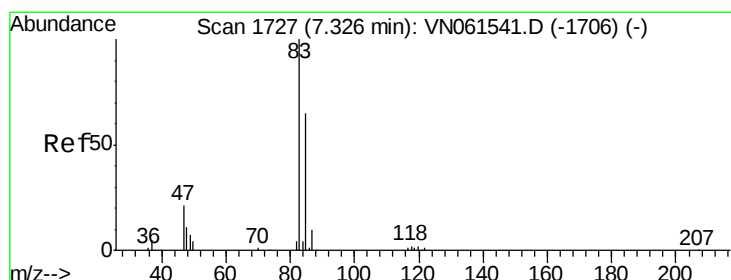
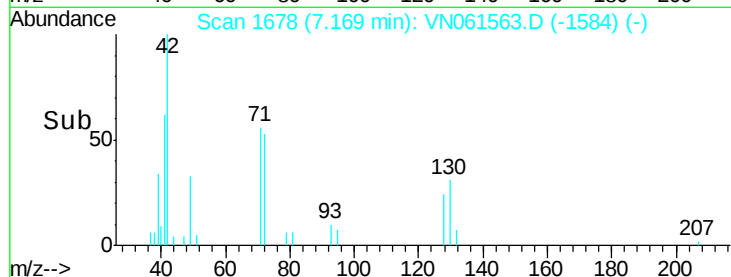
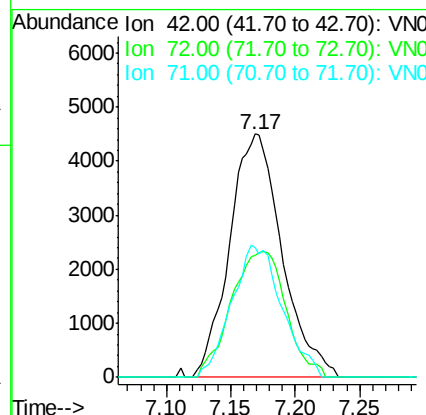
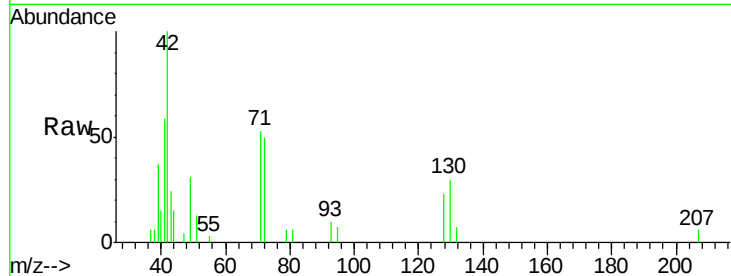
#29
Tetrahydrofuran
Concen: 12.370 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.0	43.6	65.4
71	51.8	41.2	61.8

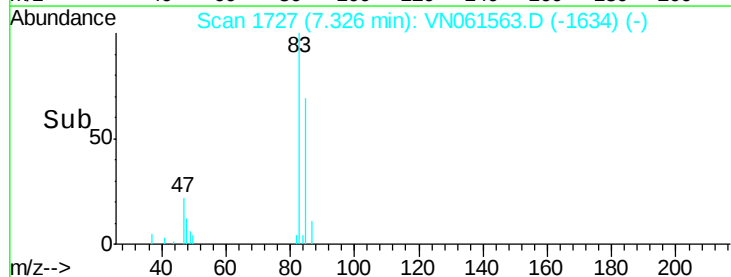
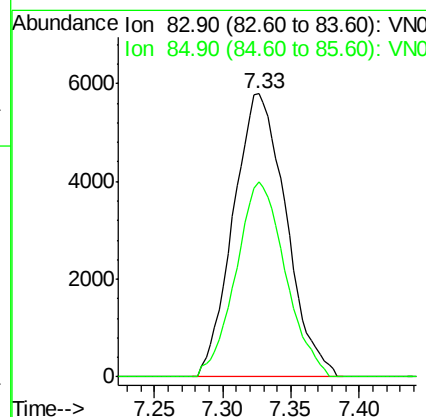
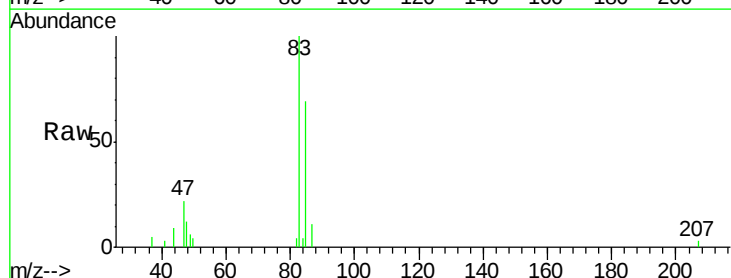
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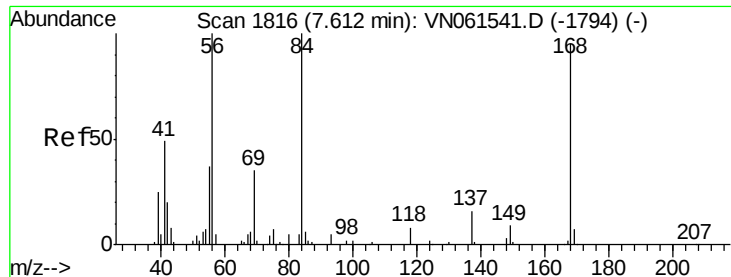
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6/1/2020 12:30:10 PM



#30
Chloroform
Concen: 2.714 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.1	51.7	77.5





#31

Cyclohexane

Concen: 3.624 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

Instrument :

MSVOA_N

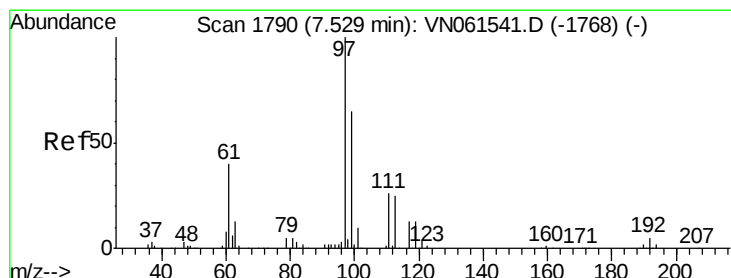
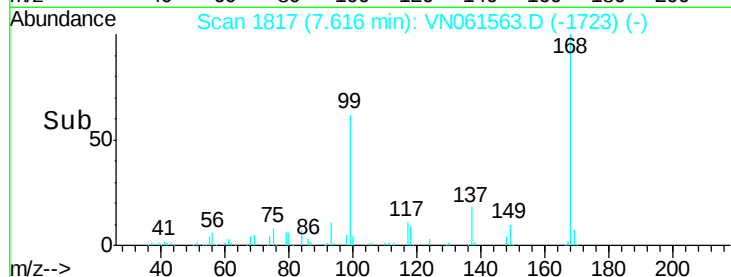
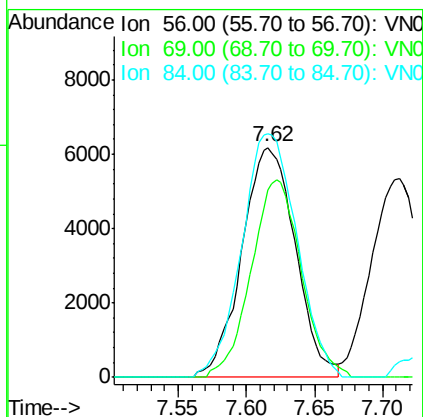
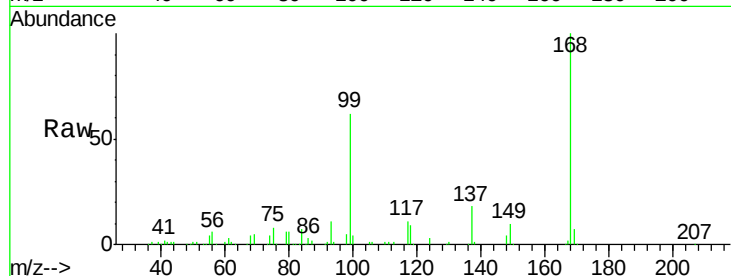
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion	56	69	84
Resp	16852		
Ratio	100	81.4	105.8
Lower		27.8	79.9
Upper		41.8#	119.9

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#32

1,1,1-Trichloroethane

Concen: 2.491 ug/l

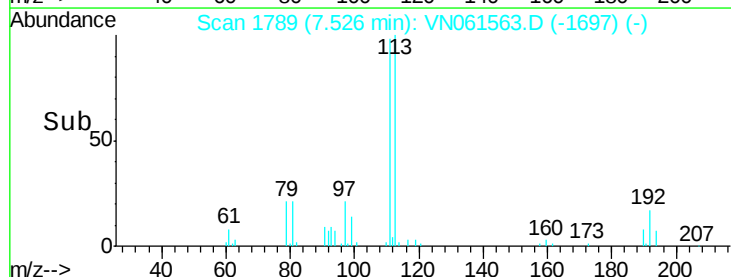
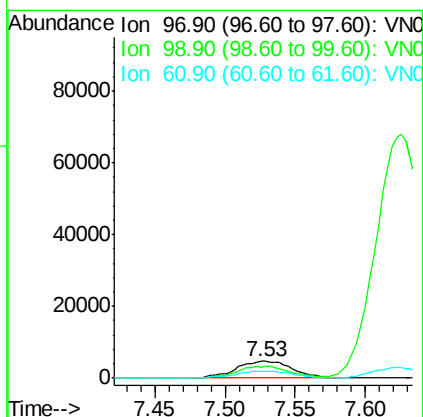
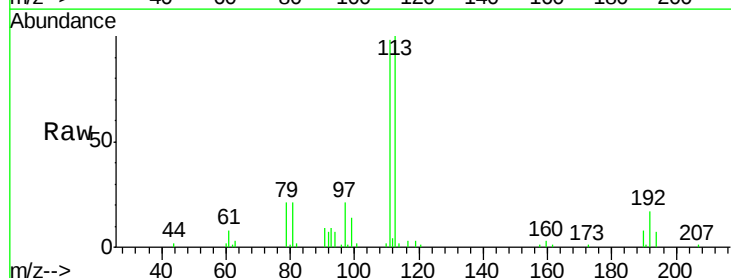
RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

Tgt Ion	97	99	61
Resp	12982		
Ratio	100	0.0	42.1
Lower		51.4	31.4
Upper		77.0#	47.0





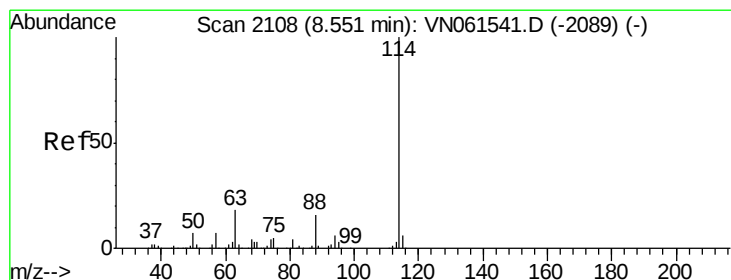
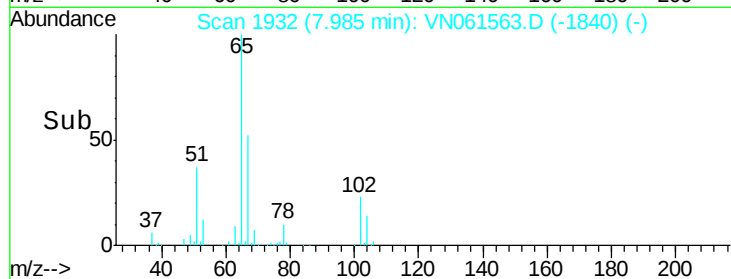
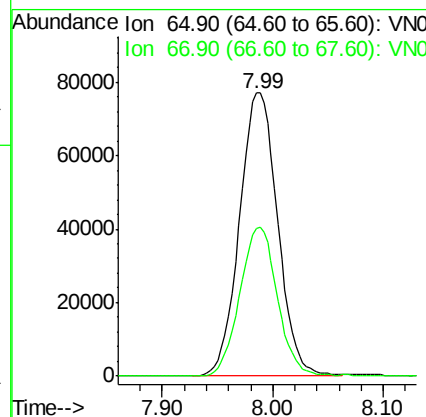
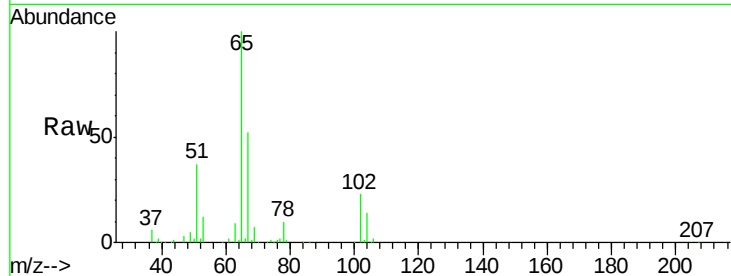
#33
 1,2-Dichloroethane-d4
 Concen: 55.983 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061563.D
 Acq: 29 May 2020 13:38

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

Tot Ion	Ratio	Resp	Lower	Upper
65	100	184712		
67	51.7	0.0	104.8	

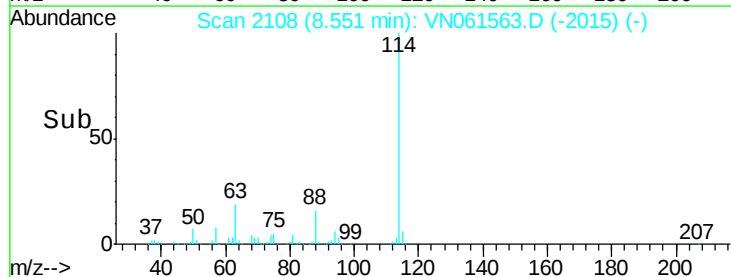
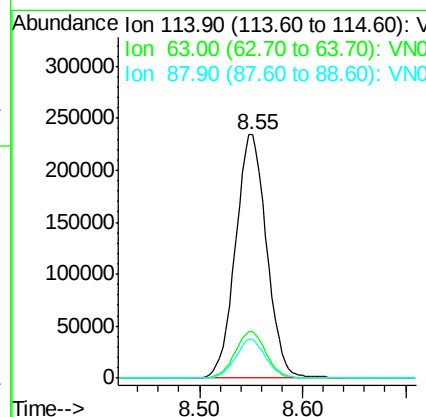
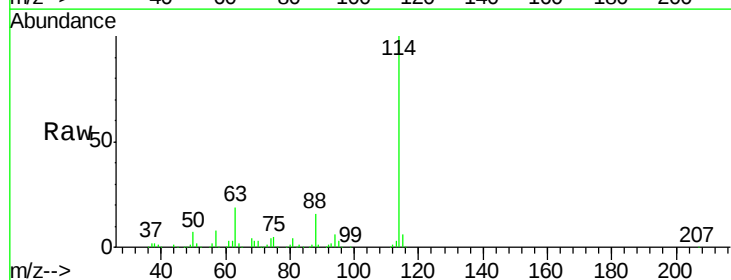
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061563.D
 Acq: 29 May 2020 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	492990		
63	19.0	0.0	35.8	
88	15.7	0.0	31.0	





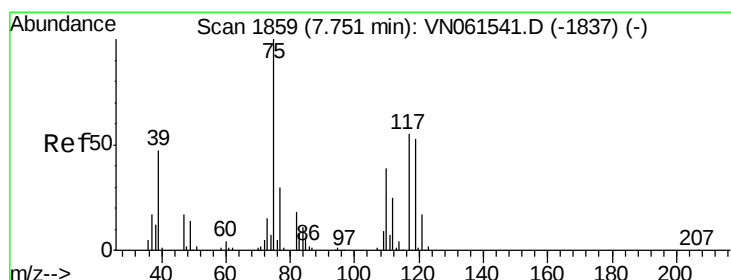
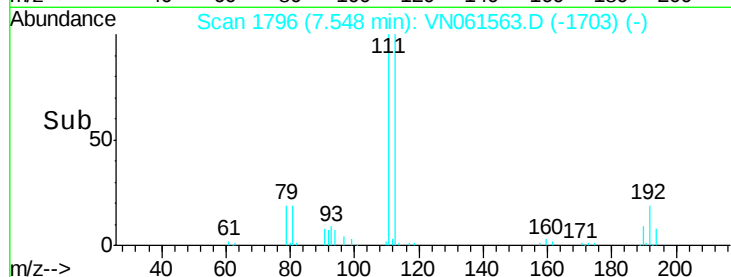
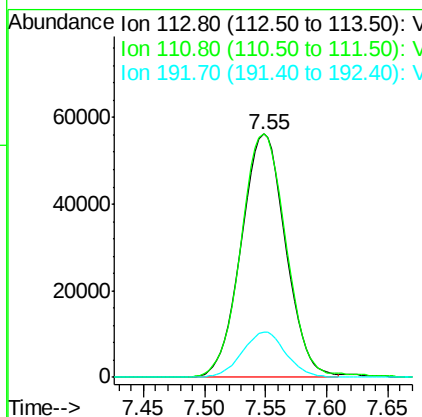
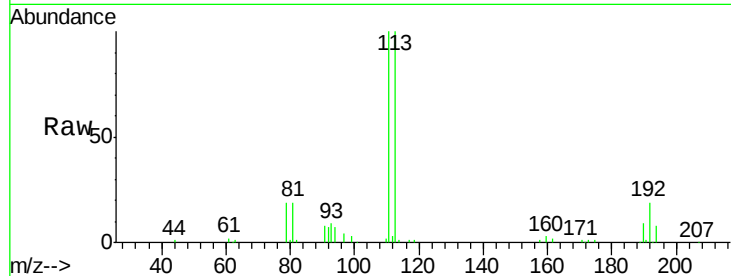
#35
 Dibromofluoromethane
 Concen: 56.707 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061563.D
 Acq: 29 May 2020 13:38

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

Tot Ion	Ratio	Resp	Lower	Upper
113	100	141815		
111	102.3	83.4	125.0	
192	18.3	15.4	23.2	

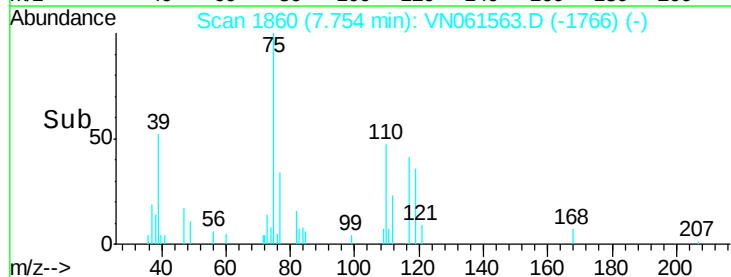
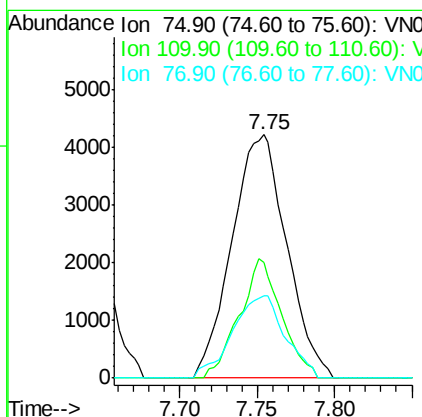
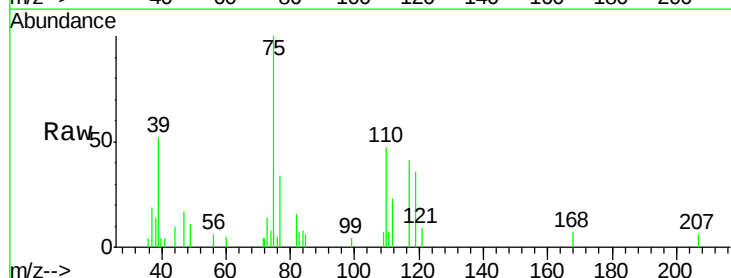
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#36
 1,1-Dichloropropene
 Concen: 2.384 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN061563.D
 Acq: 29 May 2020 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10405		
110	37.7	19.5	58.5	
77	32.5	24.7	37.1	





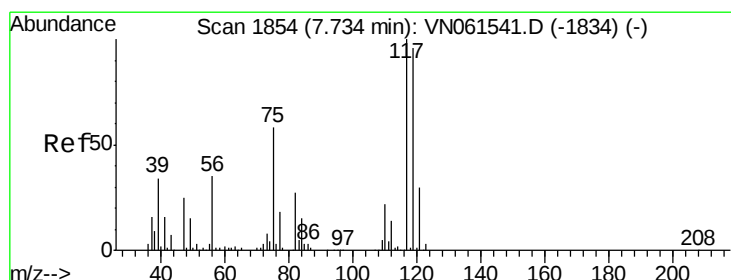
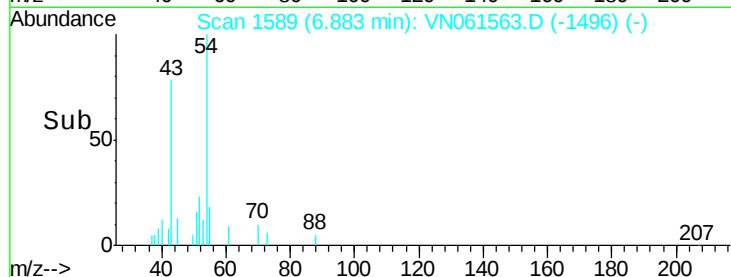
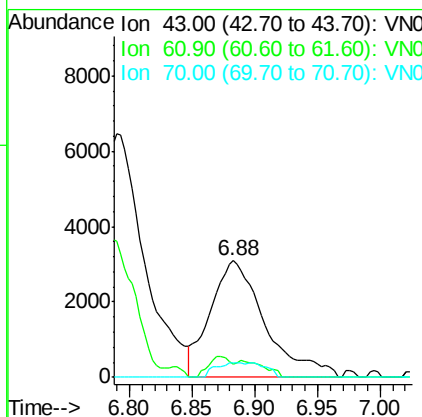
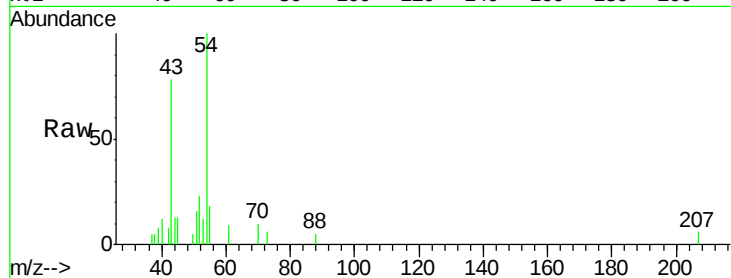
#37
Ethyl Acetate
Concen: 2.679 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

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

Tot Ion	43	61	70
Ratio	100	7.1	6.8
Lower		12.2	9.4
Upper		18.4#	14.2#

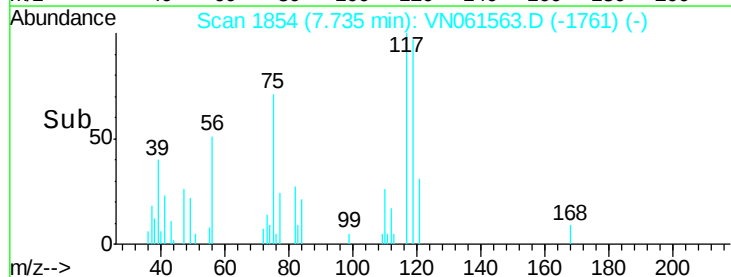
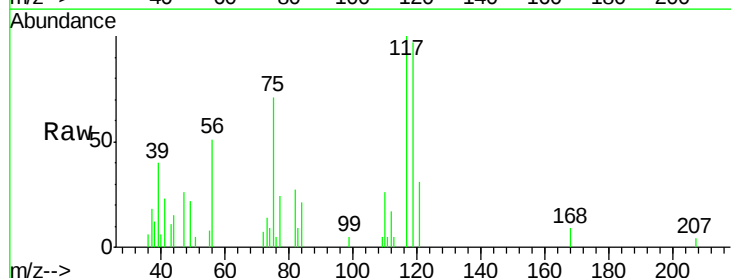
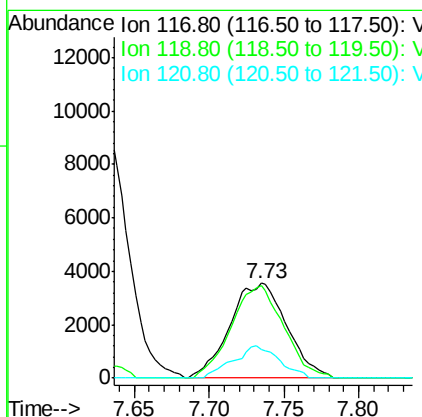
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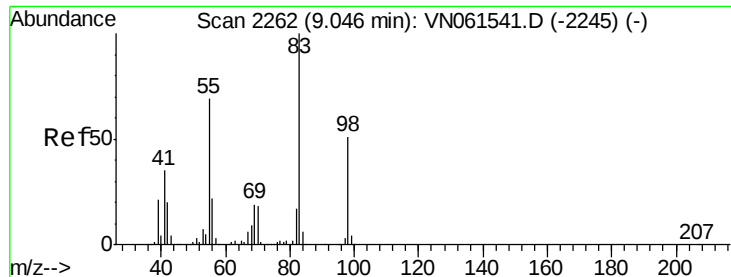
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#38
Carbon Tetrachloride
Concen: 2.231 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

Tgt Ion	117	119	121
Ratio	100	97.5	30.6
Lower		76.5	24.1
Upper		114.7	36.1





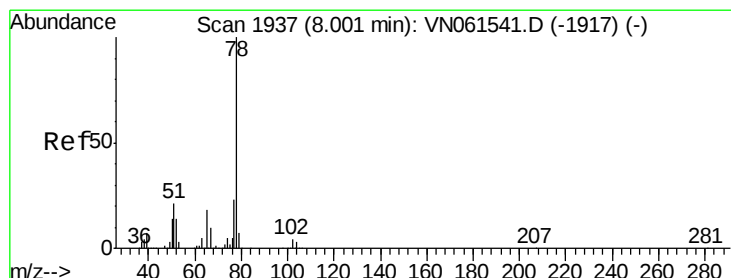
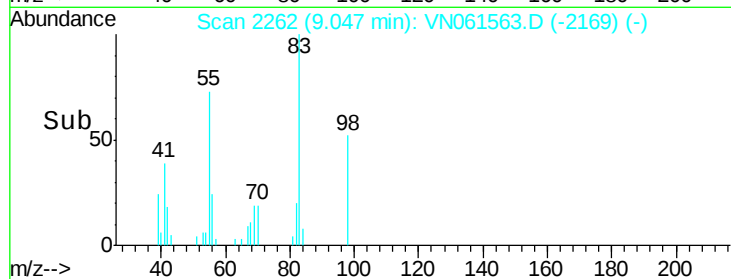
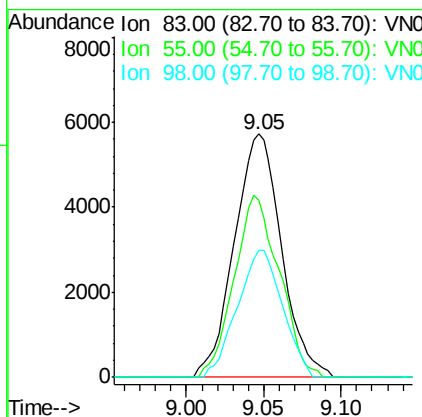
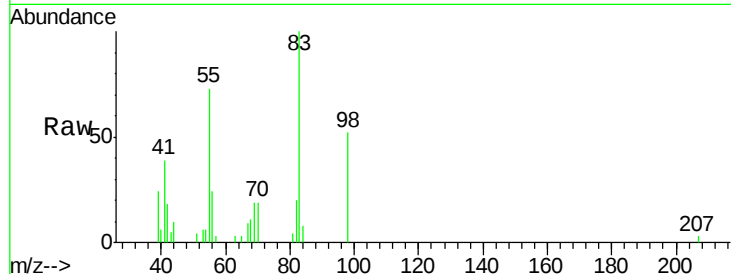
#39
Methvlcvclohexane
Concen: 2.256 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

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

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	72.7		54.9	82.3
98	52.1		41.0	61.4

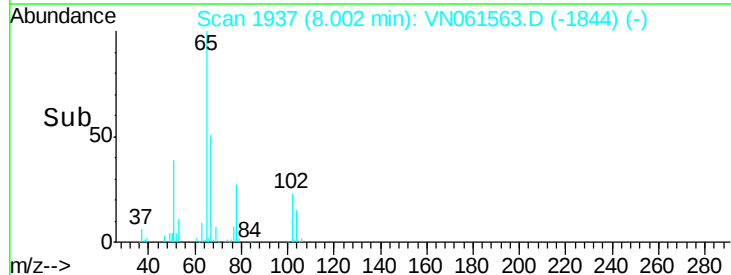
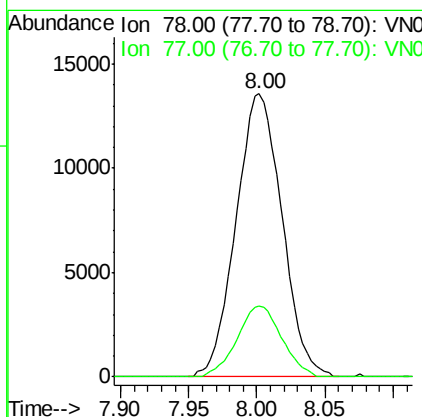
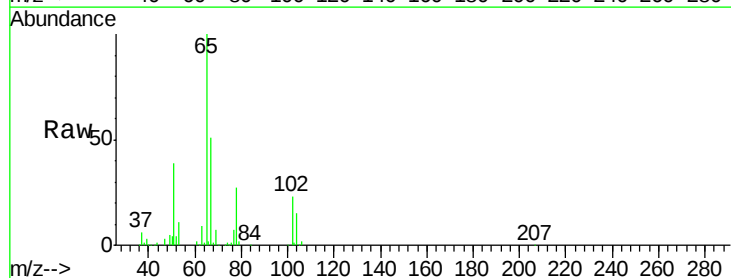
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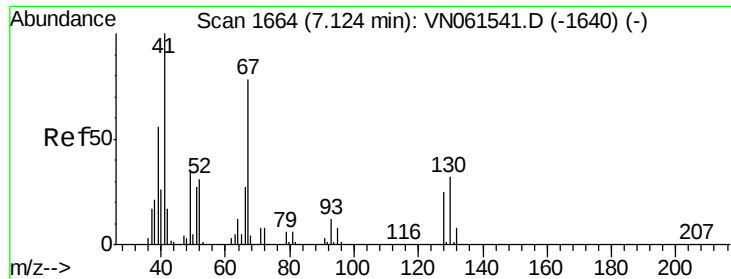
MMDadoda
6/1/2020 12:30:10 PM



#40
Benzene
Concen: 2.358 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	25.2		18.6	28.0





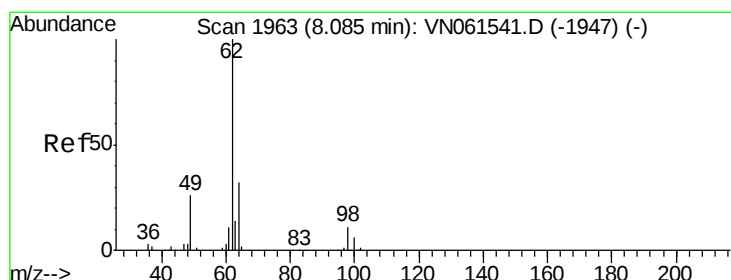
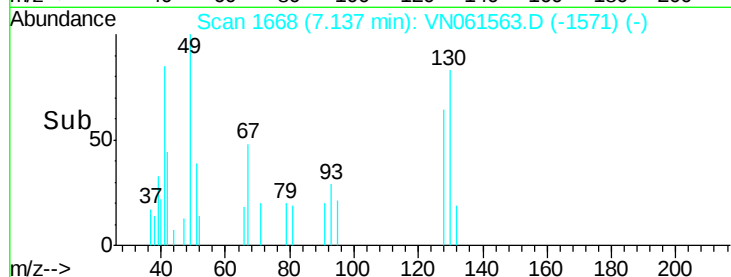
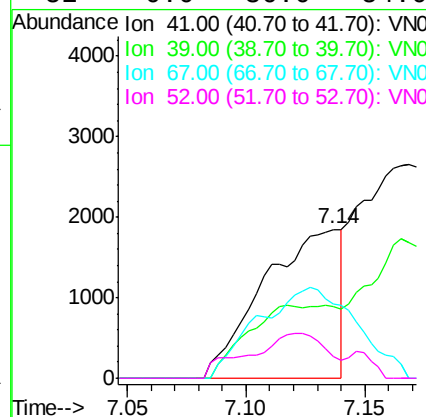
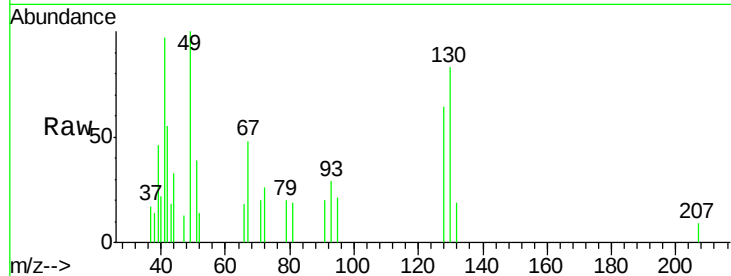
#41
Methacrylonitrile
Concen: 2.596 ug/l m
RT: 7.14 min Scan# 1668
Delta R.T. 0.01 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		4181		
39	82.4	53.8	80.6#		
67	0.0	91.1	136.7#		
52	0.0	36.0	54.0#		

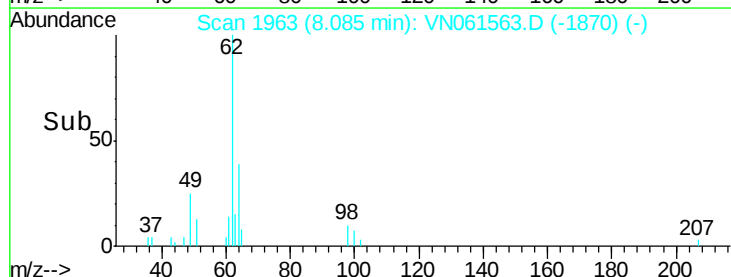
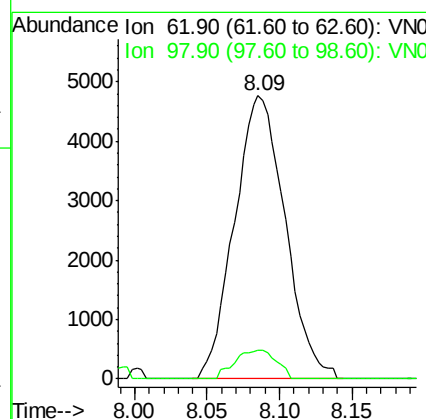
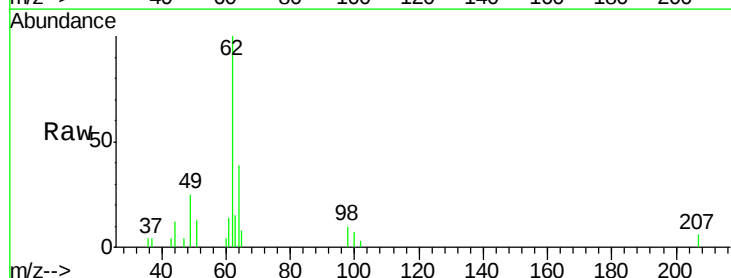
Manual Integrations
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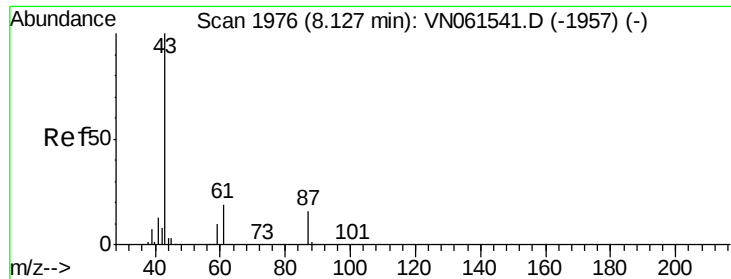
MMDadoda
6/1/2020 12:30:10 PM



#42
1,2-Dichloroethane
Concen: 2.566 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		11566		
98	8.4	0.0	21.4		





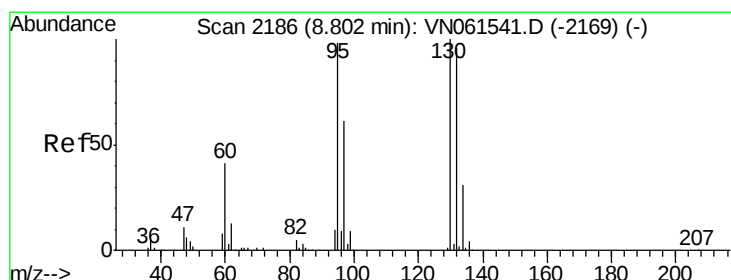
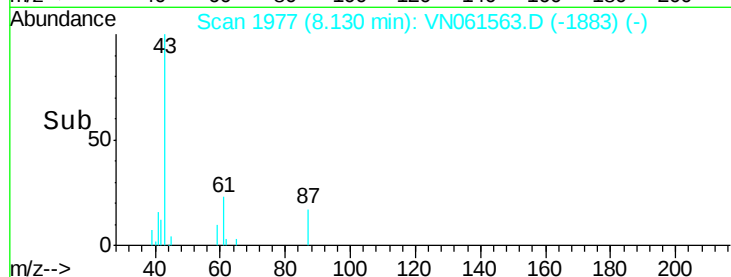
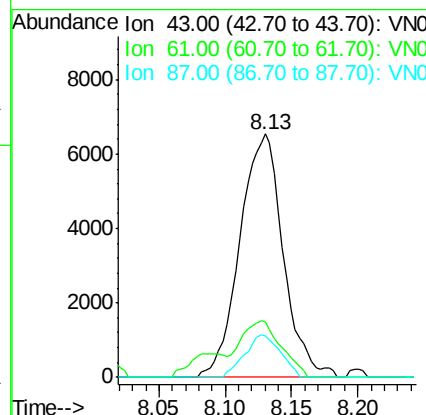
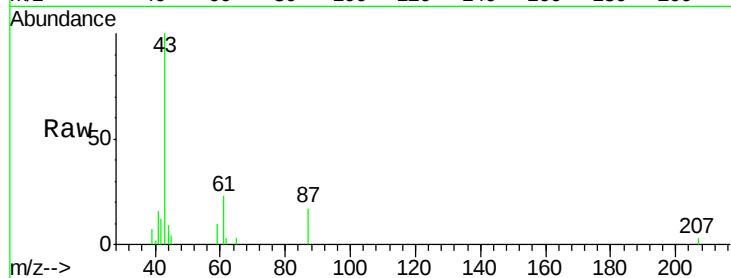
#43
Isopropyl Acetate
Concen: 2.347 ug/l
RT: 8.13 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.9	23.6	35.4#
87	14.3	13.0	19.6

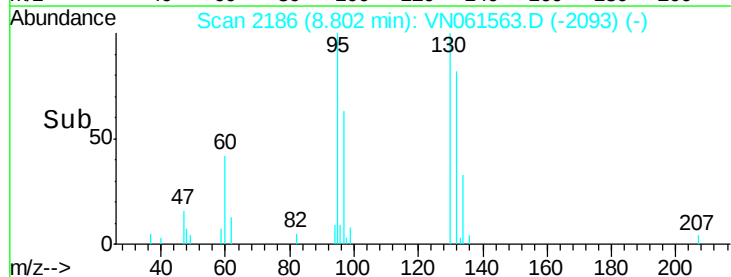
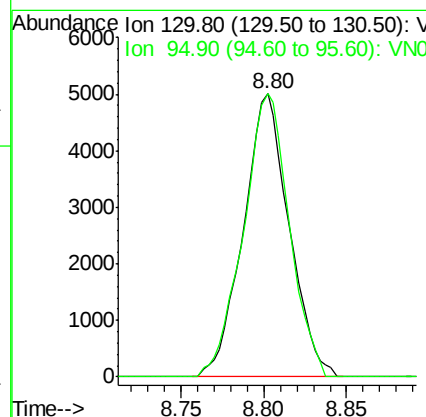
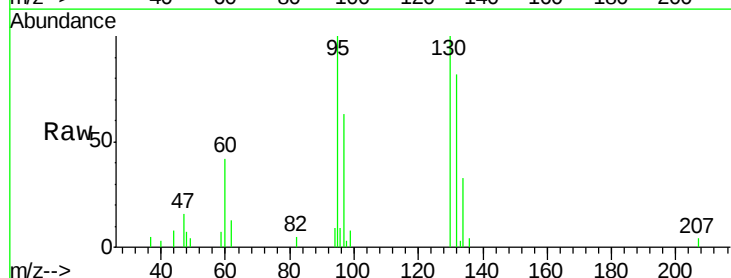
Manual Integrations
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6/1/2020 12:30:10 PM



#44
Trichloroethene
Concen: 2.321 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	196.6





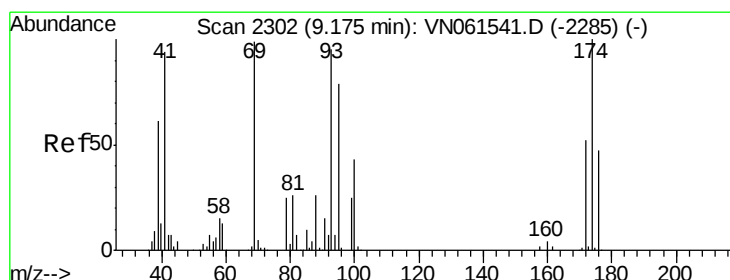
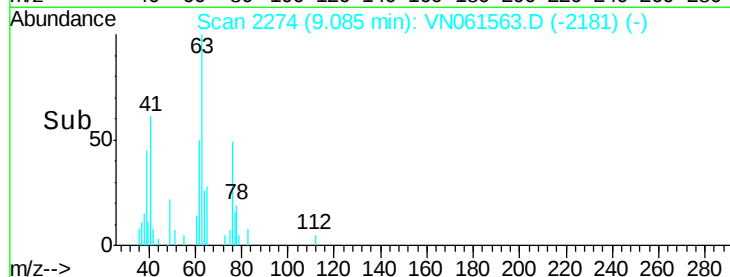
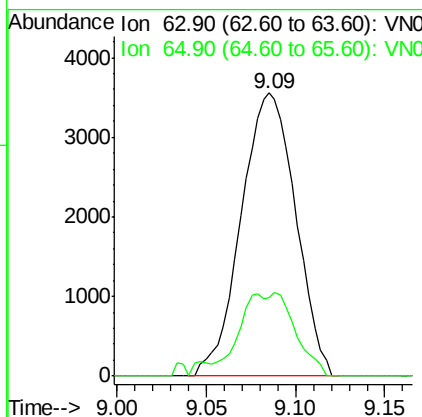
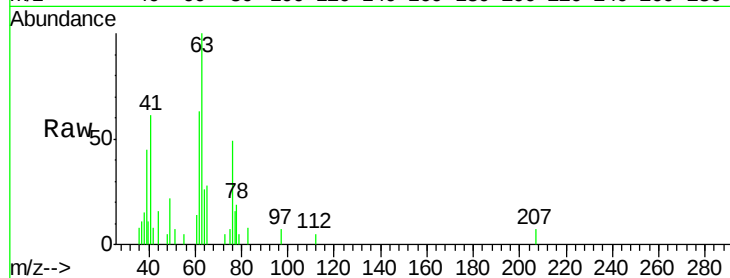
#45
 1,2-Dichloropropane
 Concen: 2.368 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061563.D
 Acq: 29 May 2020 13:38

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

Tot Ion: 63 Resp: 7571
 Ion Ratio Lower Upper
 63 100
 65 28.0 24.7 37.1

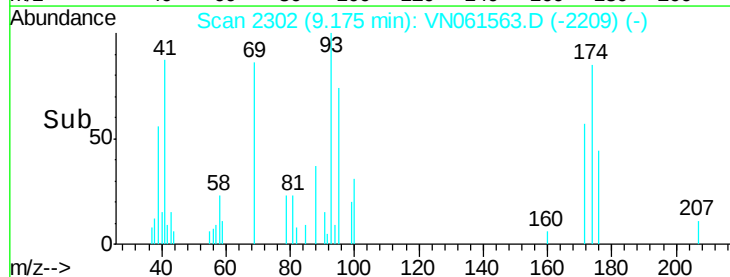
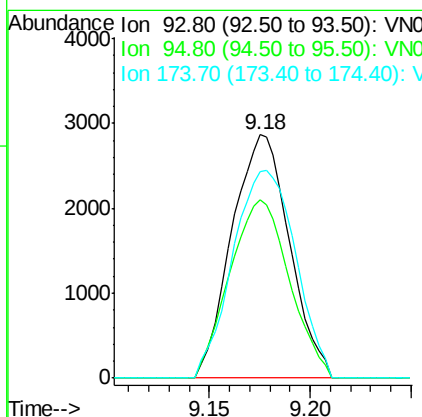
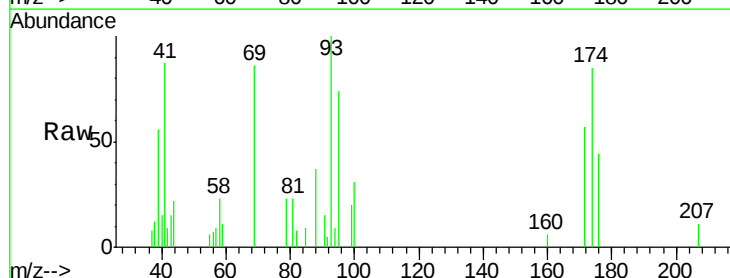
Manual Integrations
 APPROVED

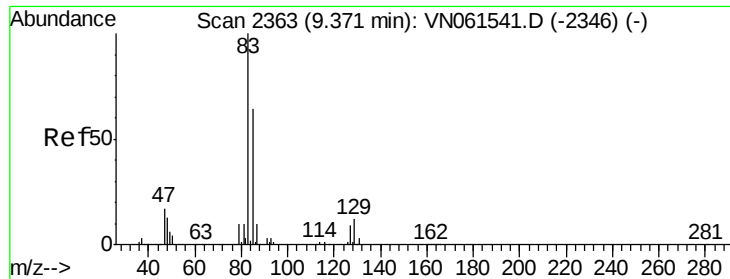
MMDadoda
 6/1/2020 12:30:10 PM



#46
 Dibromomethane
 Concen: 2.329 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061563.D
 Acq: 29 May 2020 13:38

Tgt Ion: 93 Resp: 5712
 Ion Ratio Lower Upper
 93 100
 95 75.9 66.0 99.0
 174 92.8 82.5 123.7





#47

Bromodichloromethane

Concen: 2.304 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

Instrument :

MSVOA_N

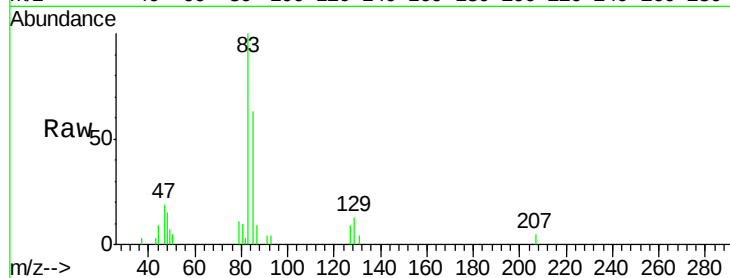
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	83	Resp:	11193
Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.1	76.7
127	8.8	7.2	10.8

Manual Integrations
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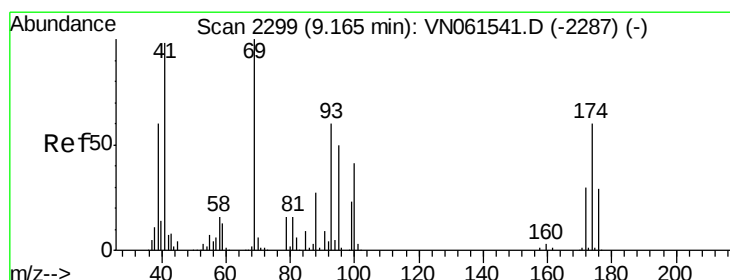
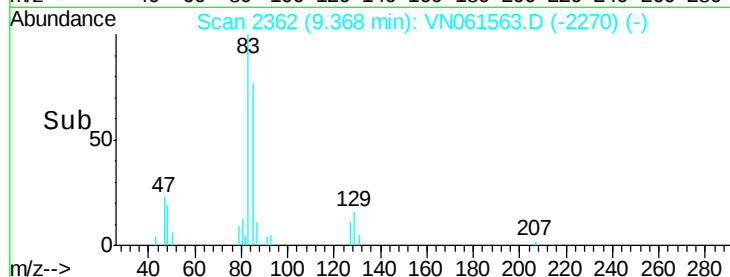
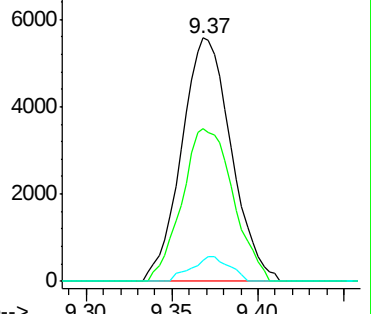
MMDadoda
6/1/2020 12:30:10 PM



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) (-)



#48

Methyl methacrylate

Concen: 2.203 ug/l

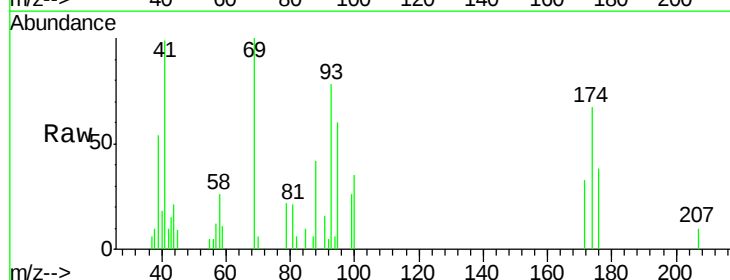
RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

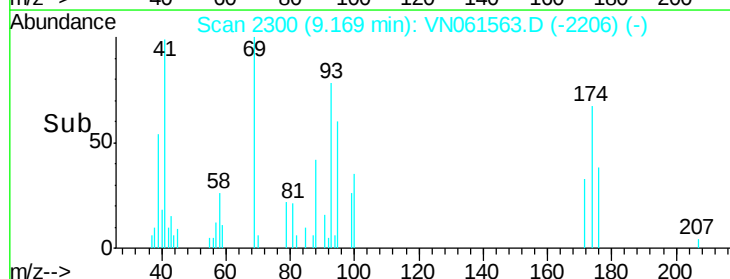
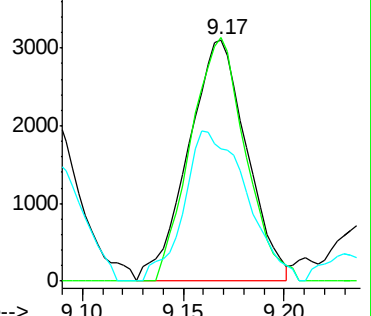
Tgt Ion:	41	Resp:	6268
Ion	Ratio	Lower	Upper
41	100		
69	95.1	83.9	125.9
39	67.0	52.1	78.1



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) (-)





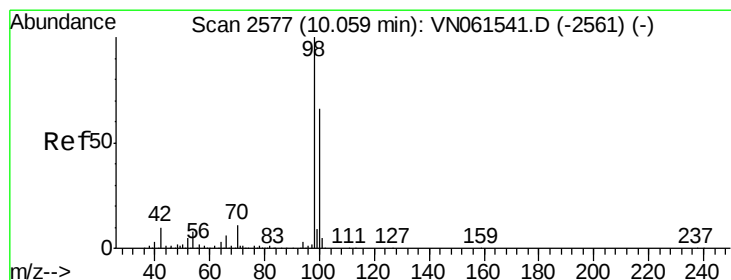
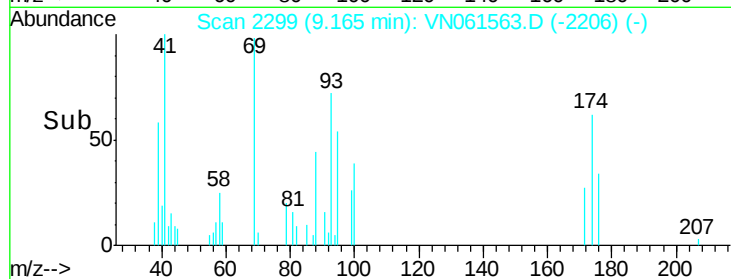
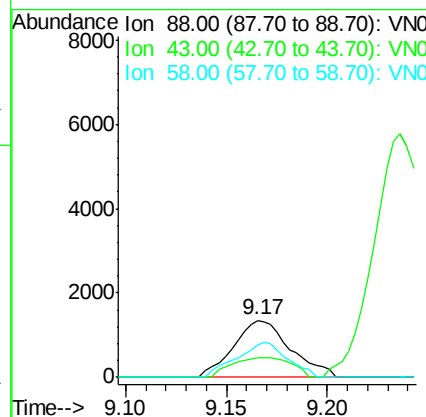
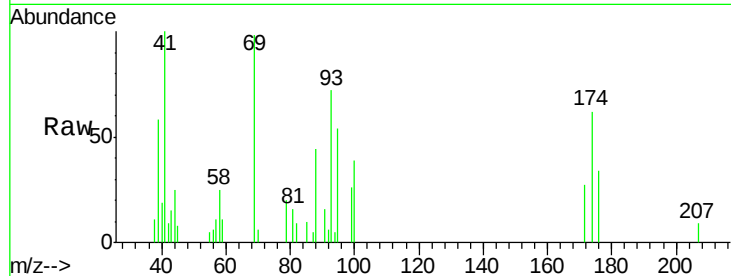
#49
1,4-Dioxane
Concen: 60.052 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	23.1	34.7#
58	54.7	48.3	72.5

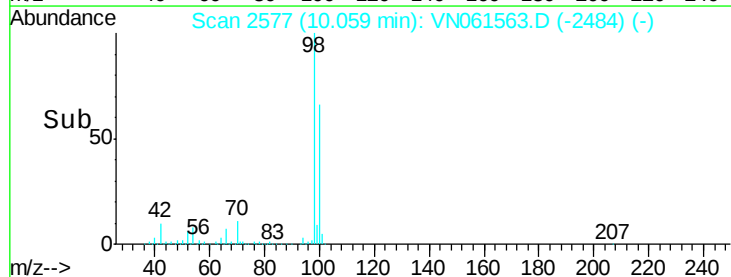
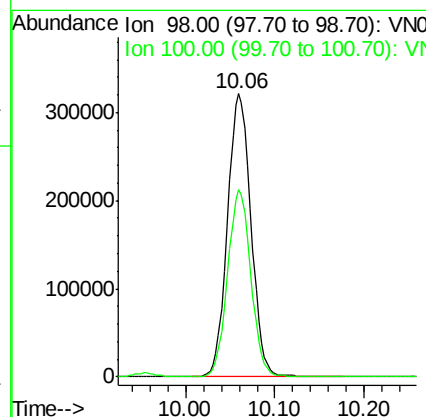
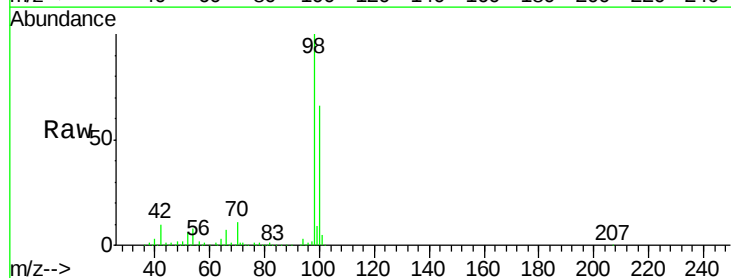
Manual Integrations
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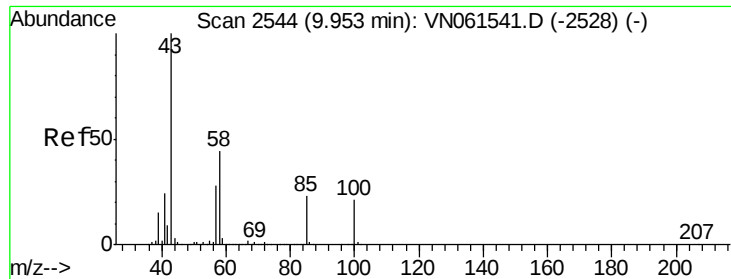
MMDadoda
6/1/2020 12:30:10 PM



#50
Toluene-d8
Concen: 50.665 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 11.149 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 43 Resp: 39733

Ion Ratio Lower Upper

43 100

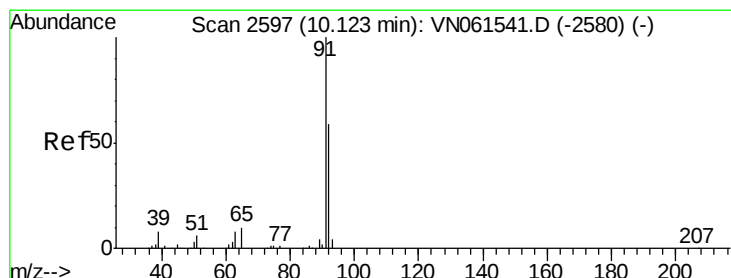
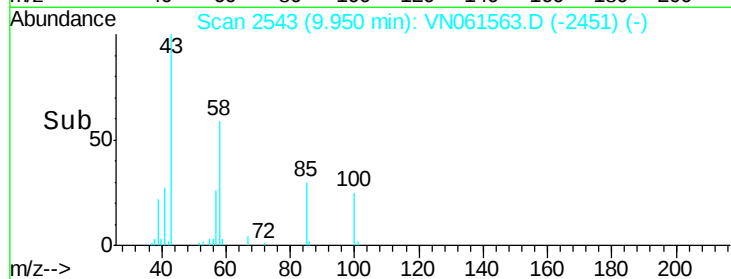
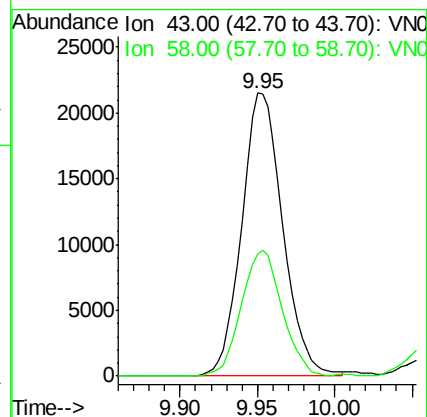
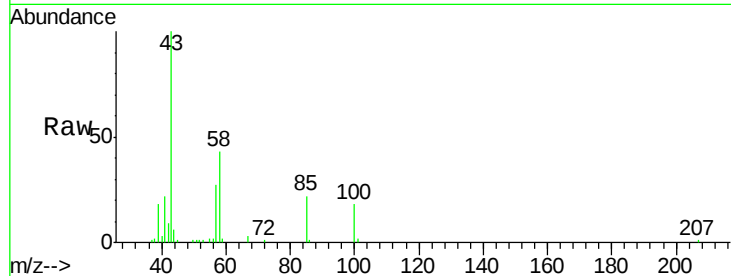
58 44.0 35.0 52.6

Manual Integrations

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#52

Toluene

Concen: 2.404 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN061563.D

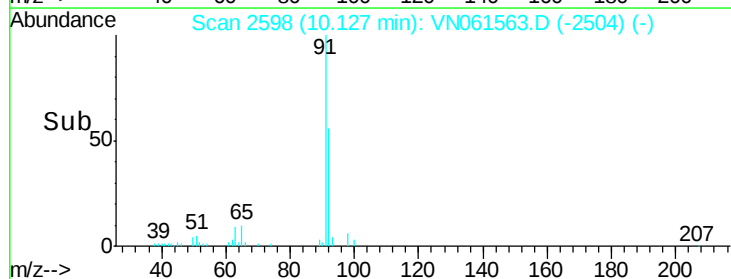
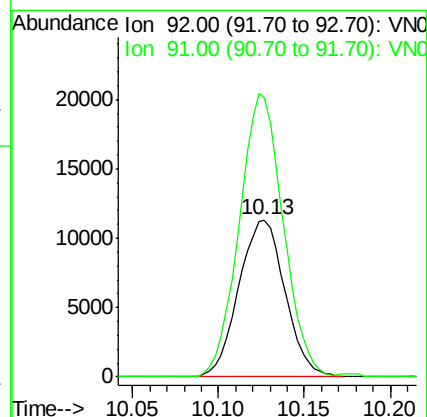
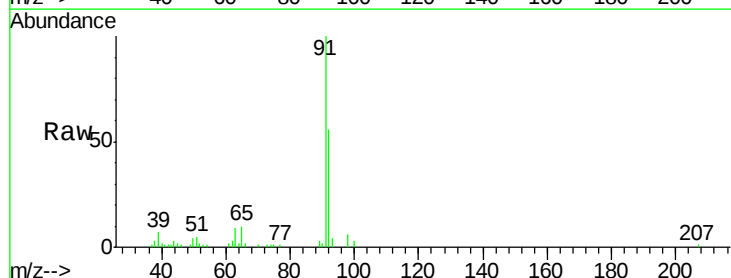
Acq: 29 May 2020 13:38

Tgt Ion: 92 Resp: 21131

Ion Ratio Lower Upper

92 100

91 171.7 136.4 204.6





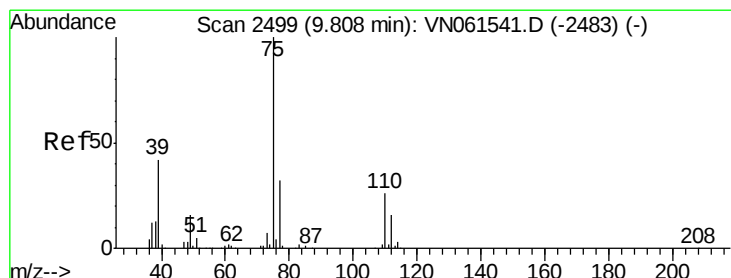
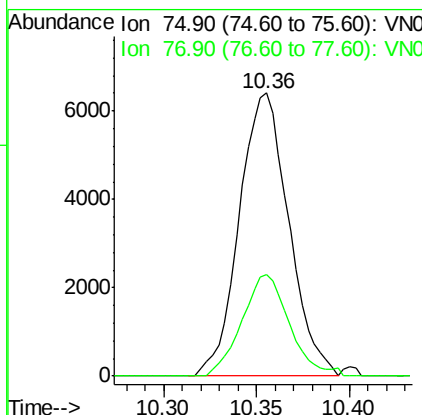
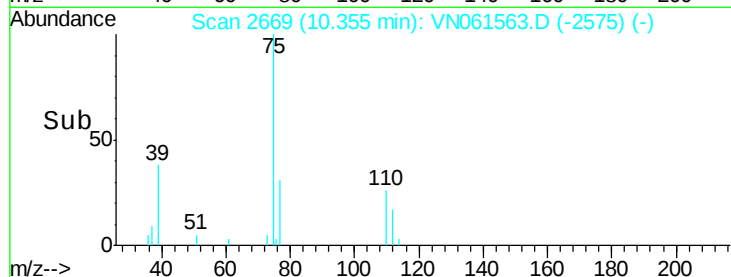
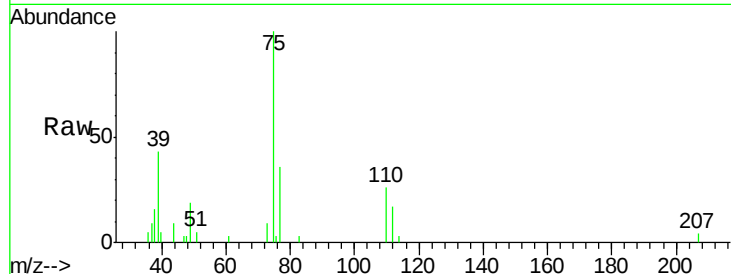
#53
t-1,3-Dichloropropene
Concen: 2.268 ug/l
RT: 10.36 min Scan# 2669
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

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

Tot Ion: 75 Resp: 11872
Ion Ratio Lower Upper
75 100
77 35.8 26.2 39.4

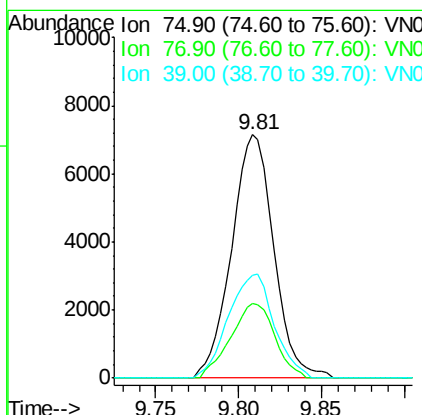
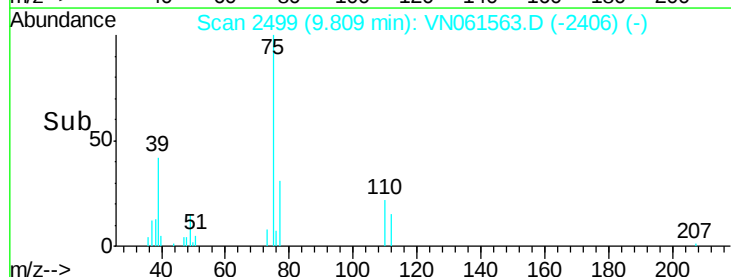
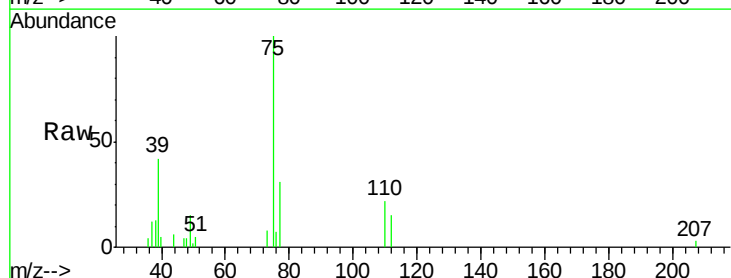
Manual Integrations
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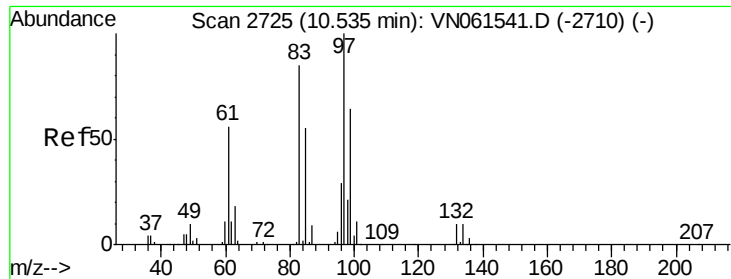
MMDadoda
6/1/2020 12:30:10 PM



#54
cis-1,3-Dichloropropene
Concen: 2.248 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

Tgt Ion: 75 Resp: 12653
Ion Ratio Lower Upper
75 100
77 30.8 25.4 38.2
39 42.4 33.8 50.6





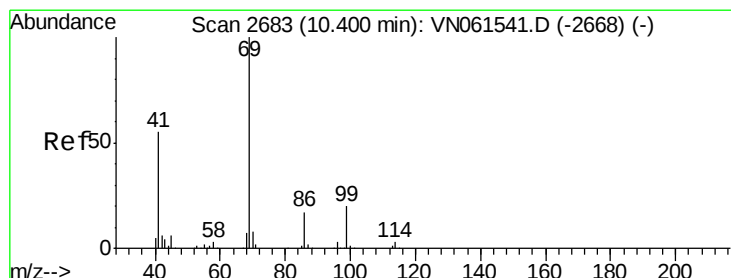
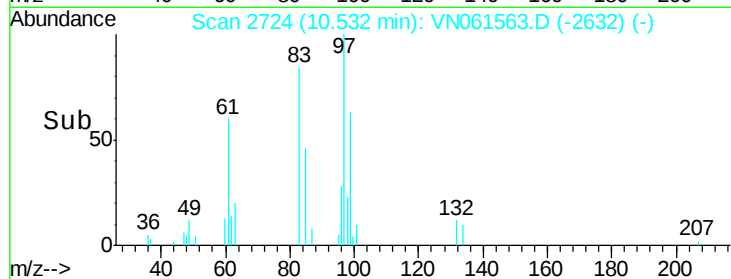
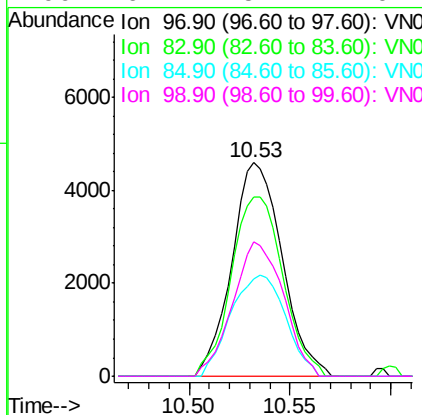
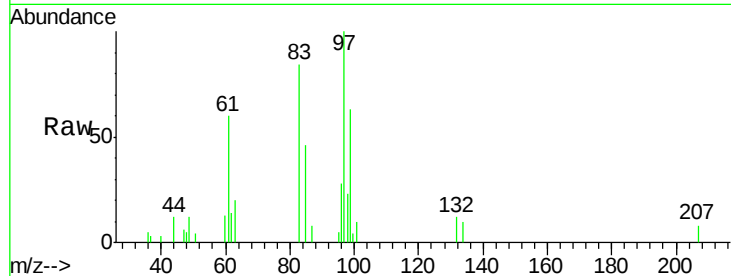
#55
 1,1,2-Trichloroethane
 Concen: 2.288 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061563.D
 Acq: 29 May 2020 13:38

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

Tot Ion:	97	Resp:	8012
Ion	Ratio	Lower	Upper
97	100		
83	84.2	68.1	102.1
85	45.7	44.1	66.1
99	62.7	51.1	76.7

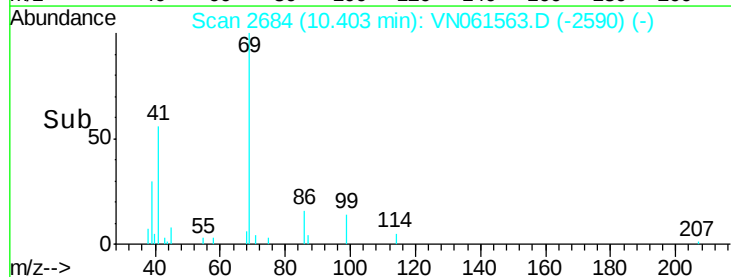
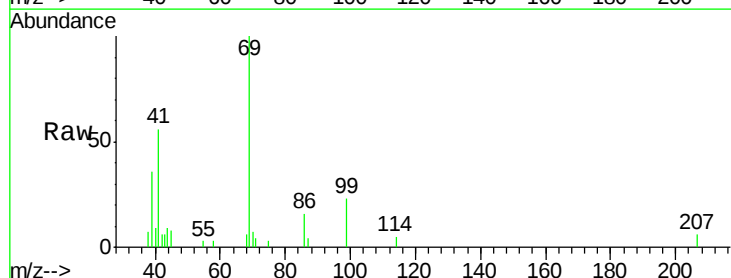
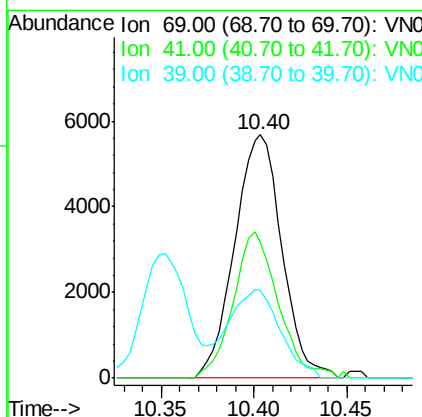
Manual Integrations
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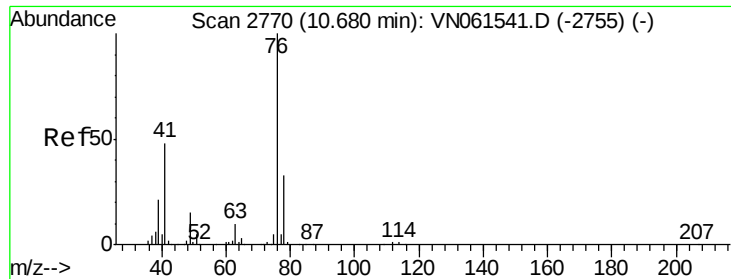
MMDadoda
 6/1/2020 12:30:10 PM



#56
 Ethyl methacrylate
 Concen: 2.055 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN061563.D
 Acq: 29 May 2020 13:38

Tgt Ion:	69	Resp:	10054
Ion	Ratio	Lower	Upper
69	100		
41	57.5	43.5	65.3
39	40.7	27.0	40.6#





#57

1,3-Dichloropropane

Concen: 2.366 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 76 Resp: 13251

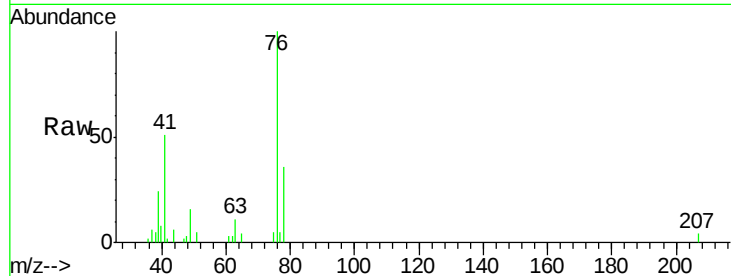
Ion Ratio Lower Upper

76 100

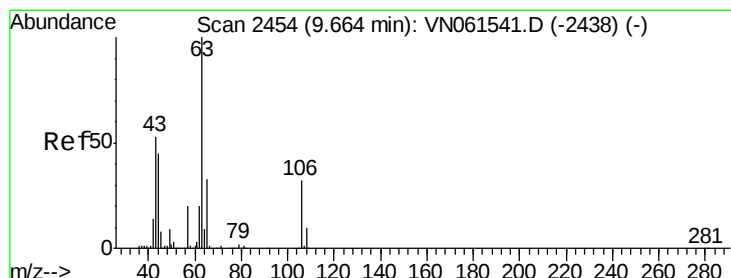
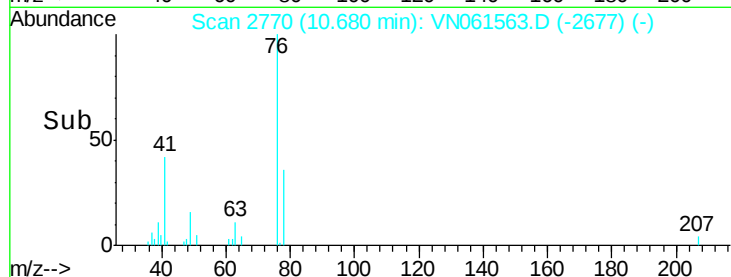
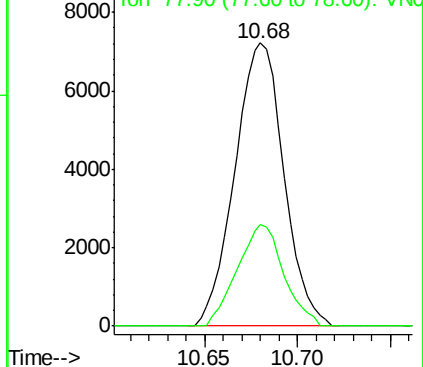
78 33.8 26.3 39.5

Manual Integrations
APPROVED

MMDadoda
6/1/2020 12:30:10 PM



Abundance Ion 75.90 (75.60 to 76.60): VN061541.D (-2755) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 10.695 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN061563.D

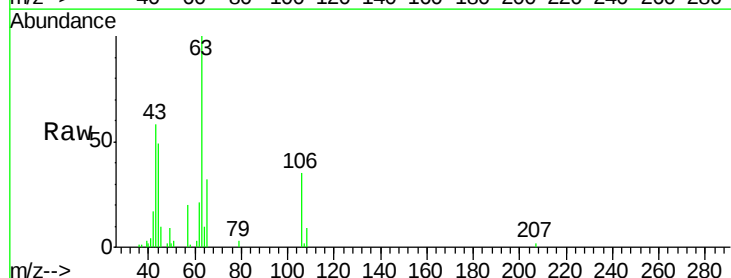
Acq: 29 May 2020 13:38

Tgt Ion: 63 Resp: 22356

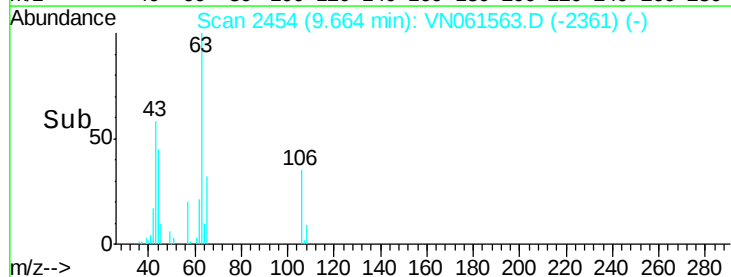
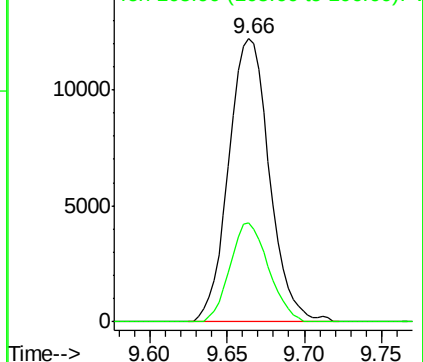
Ion Ratio Lower Upper

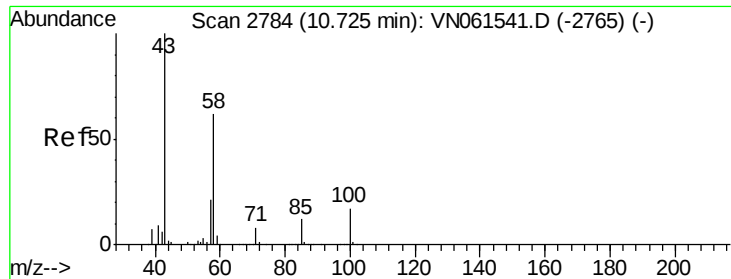
63 100

106 32.8 25.9 38.9



Abundance Ion 62.90 (62.60 to 63.60): VN061541.D (-2438) (-)





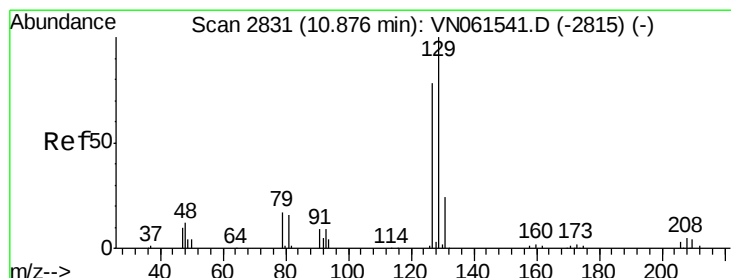
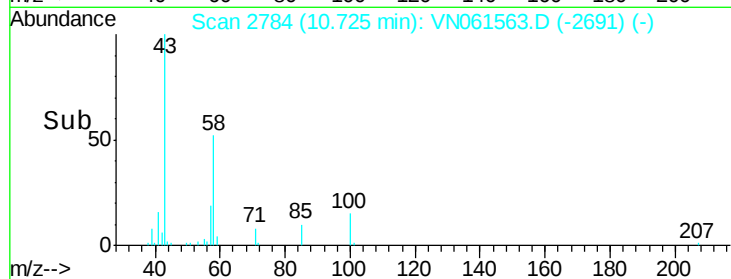
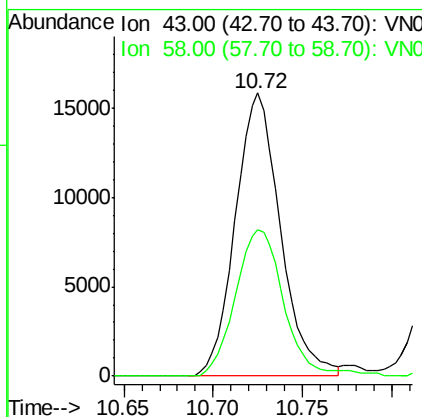
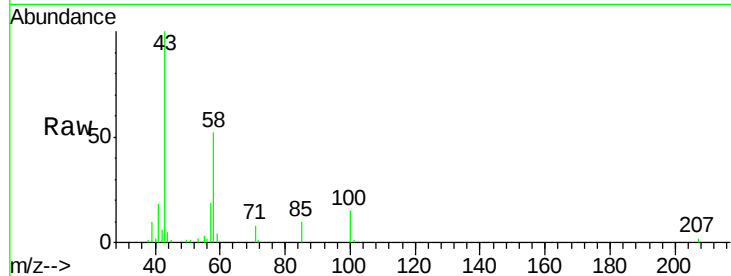
#59
2-Hexanone
Concen: 10.896 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

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

Tot Ion: 43 Resp: 27887
Ion Ratio Lower Upper
43 100
58 54.1 30.7 92.1

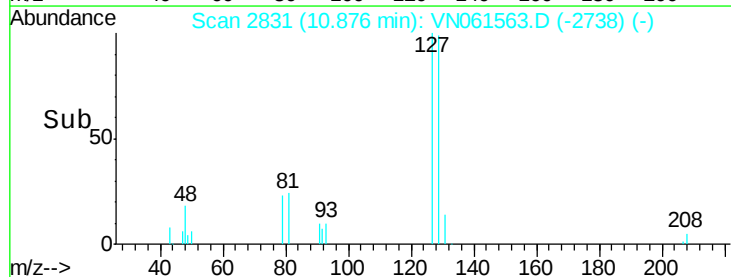
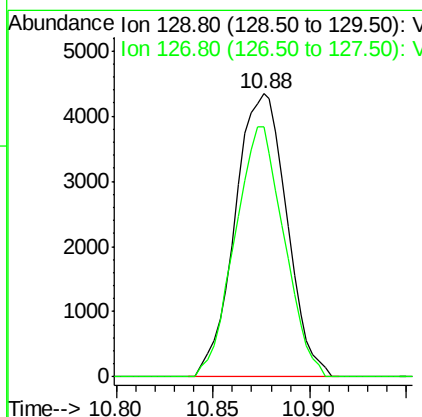
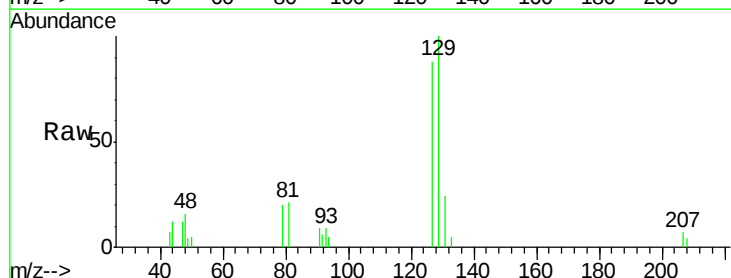
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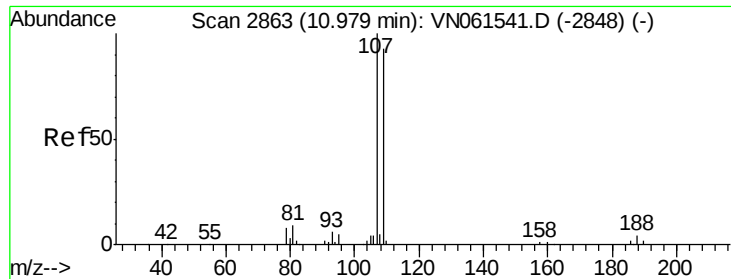
MMDadoda
6/1/2020 12:30:10 PM



#60
Dibromochloromethane
Concen: 2.024 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

Tgt Ion: 129 Resp: 8059
Ion Ratio Lower Upper
129 100
127 84.2 38.8 116.3





#61

1,2-Dibromoethane

Concen: 2.147 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 107 Resp: 7839

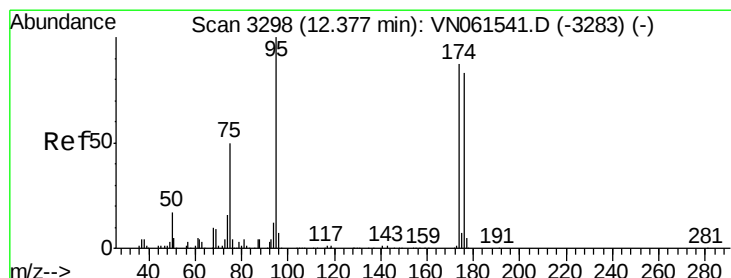
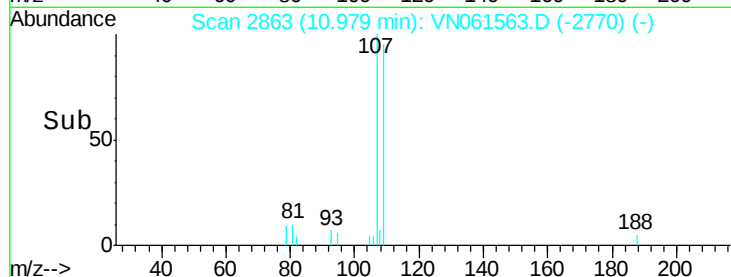
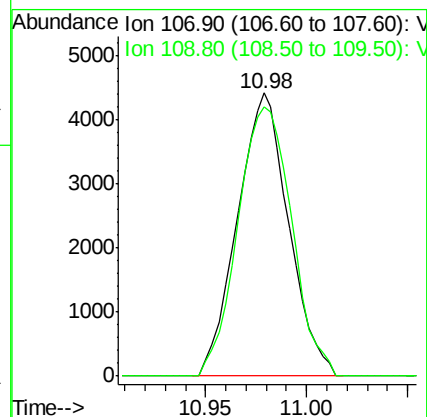
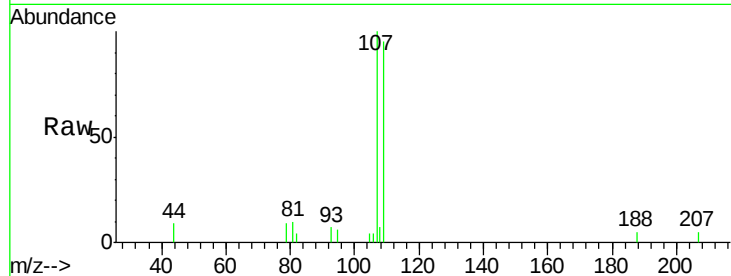
Ion Ratio Lower Upper

107 100

109 100.0 76.1 114.1

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#62

4-Bromofluorobenzene

Concen: 46.289 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

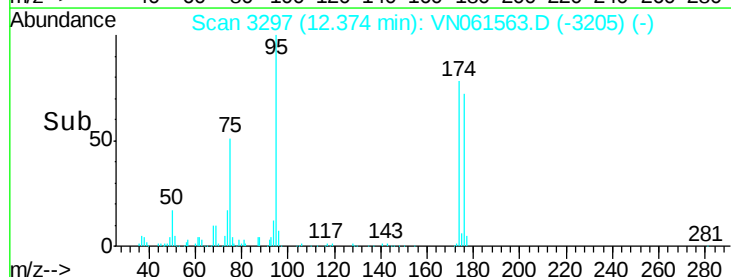
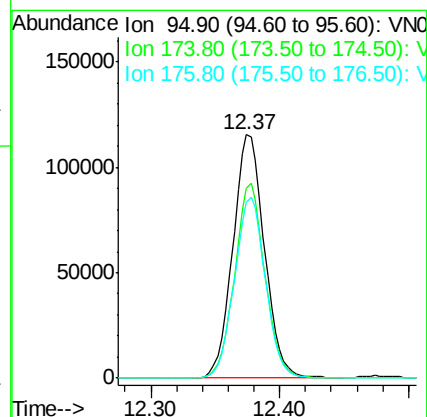
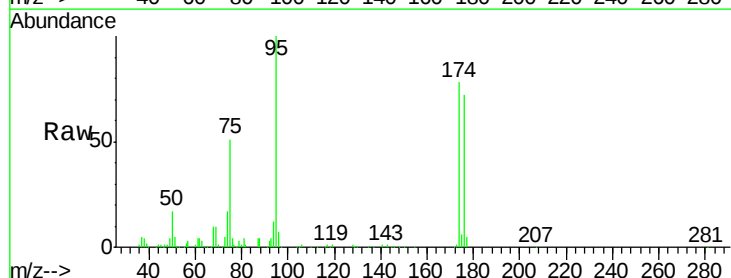
Tgt Ion: 95 Resp: 195717

Ion Ratio Lower Upper

95 100

174 76.9 0.0 172.8

176 73.0 0.0 164.8





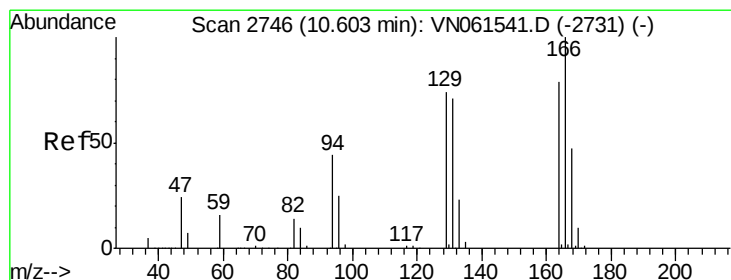
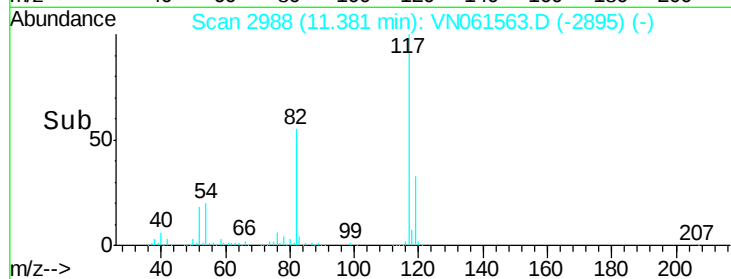
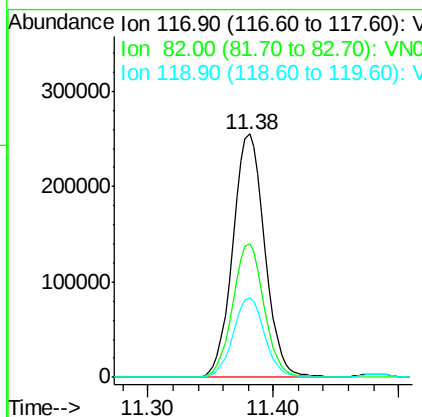
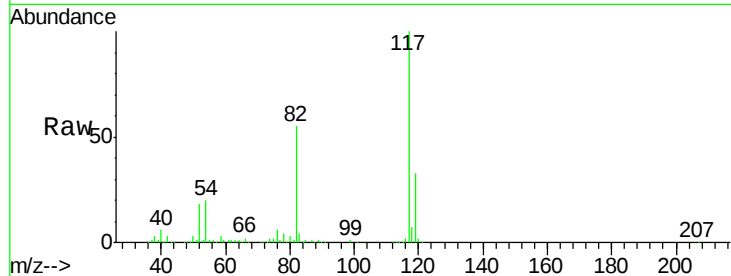
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	450863		
82	54.8		41.5	62.3
119	32.9		25.6	38.4

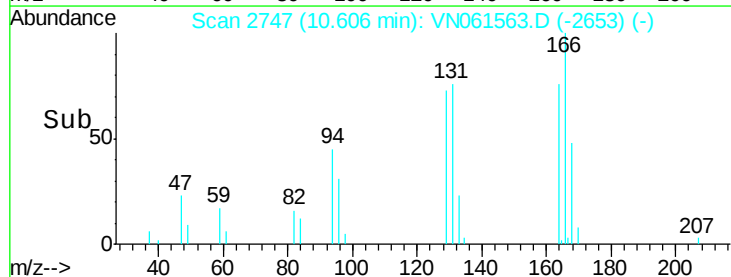
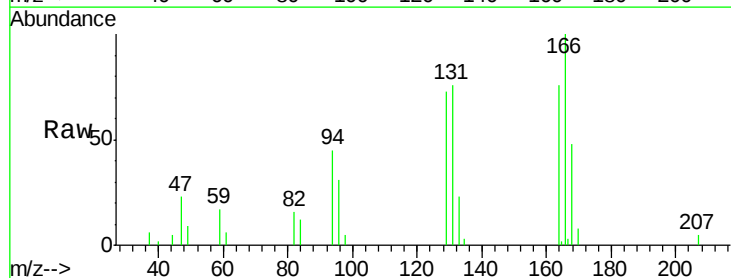
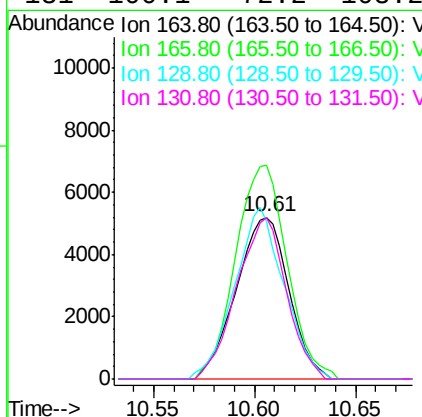
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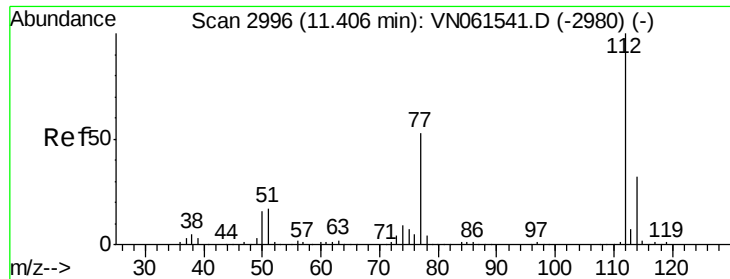
MMDadoda
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#64
Tetrachloroethene
Concen: 2.231 ug/l
RT: 10.61 min Scan# 2747
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	9467		
166	132.0		101.5	152.3
129	97.0		74.9	112.3
131	100.1		72.2	108.2





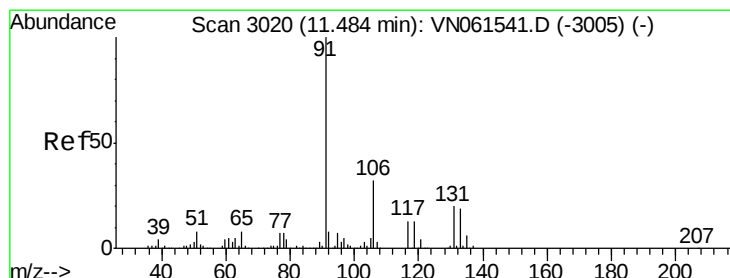
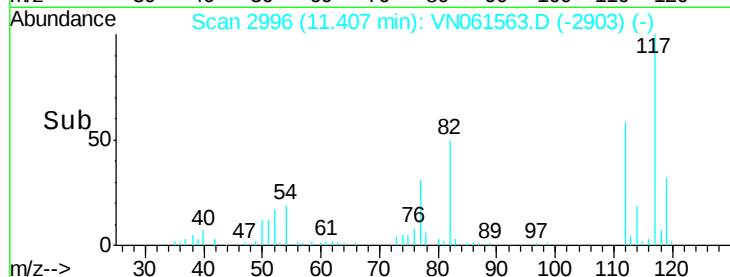
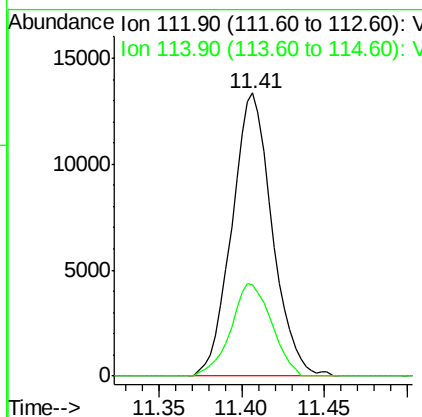
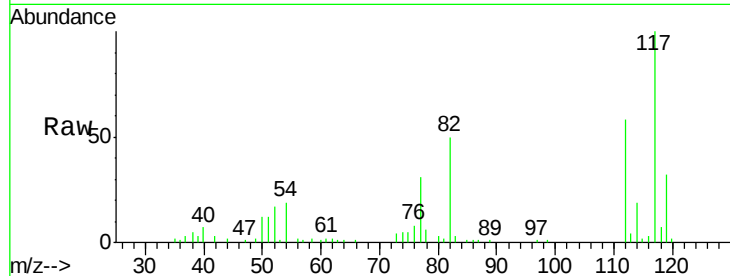
#65
Chlorobenzene
Concen: 2.401 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

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

Tot Ion:112 Resp: 22505
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5

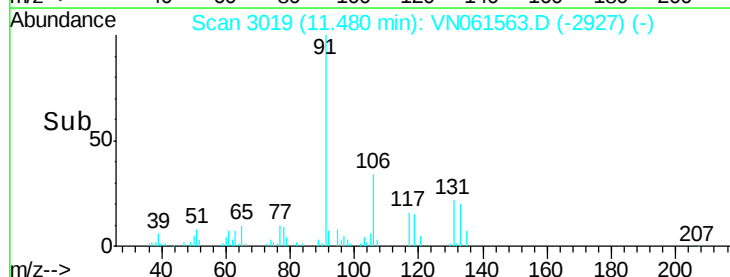
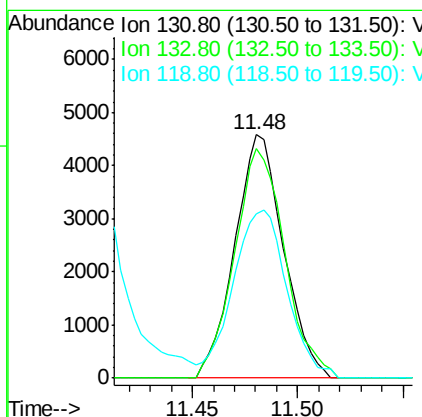
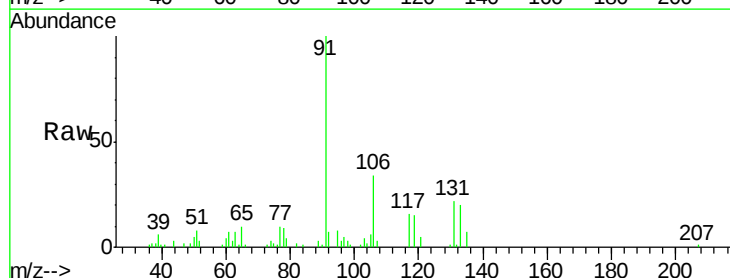
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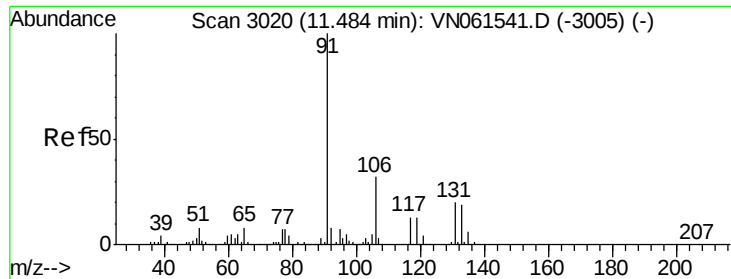
MMDadoda
6/1/2020 12:30:10 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 2.110 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

Tgt Ion:131 Resp: 7364
Ion Ratio Lower Upper
131 100
133 97.4 47.4 142.2
119 76.5 32.6 97.8





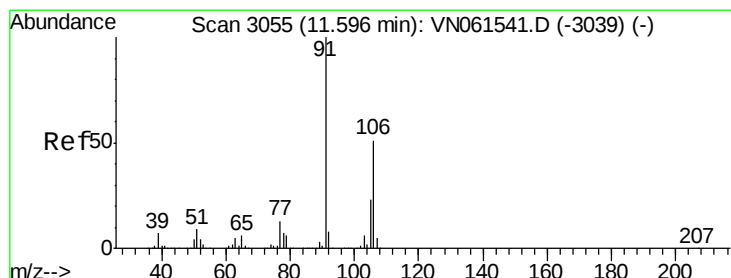
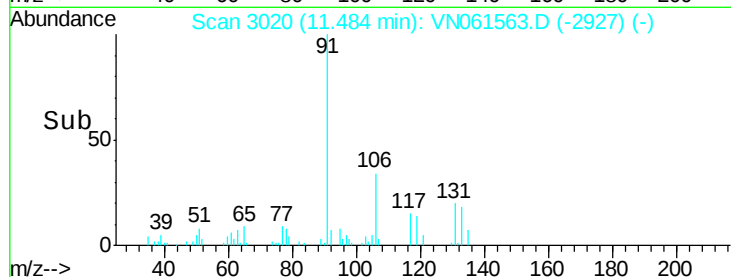
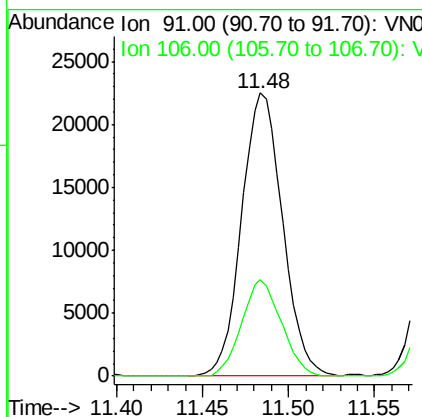
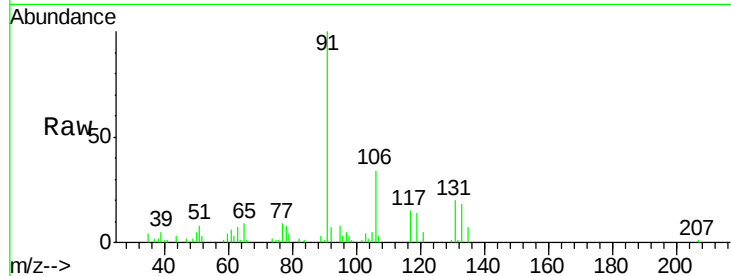
#67
Ethyl Benzene
Concen: 2.301 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

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

Tot Ion: 91 Resp: 37277
Ion Ratio Lower Upper
91 100
106 34.2 25.6 38.4

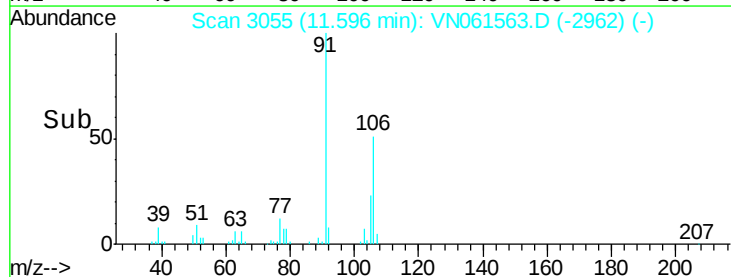
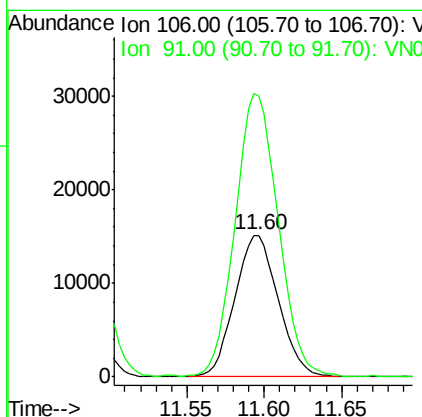
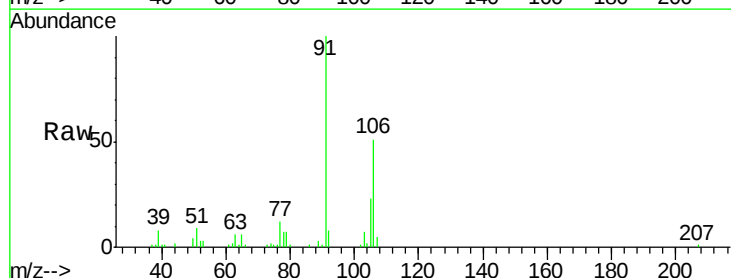
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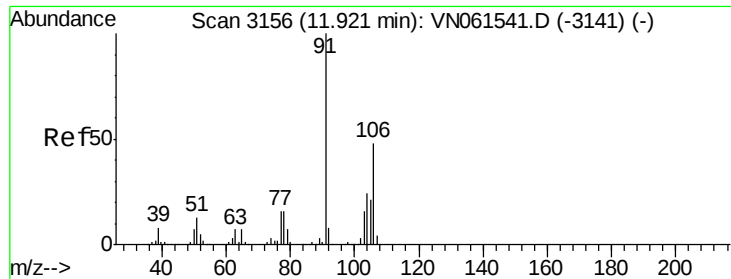
MMDadoda
6/1/2020 12:30:10 PM



#68
m/p-Xylenes
Concen: 4.592 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

Tgt Ion: 106 Resp: 29495
Ion Ratio Lower Upper
106 100
91 198.8 156.2 234.4





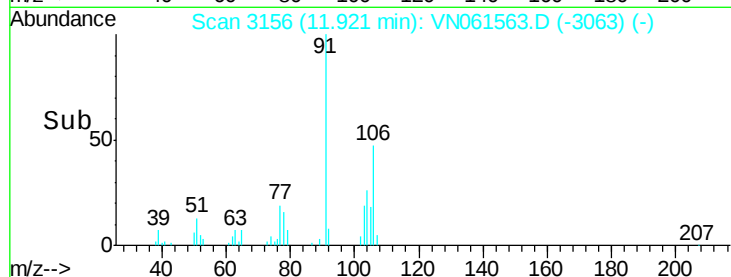
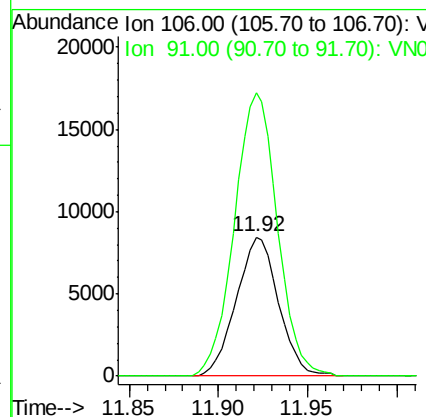
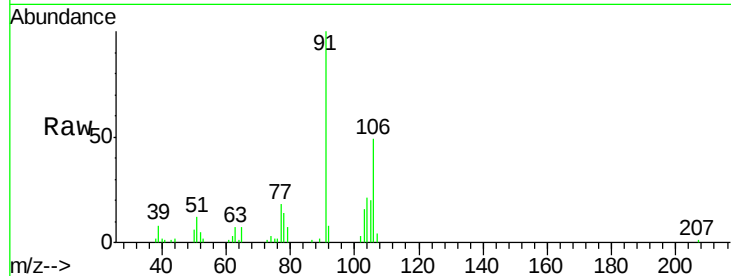
#69
o-Xylene
Concen: 2.288 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

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

Tot Ion:106 Resp: 13957
Ion Ratio Lower Upper
106 100
91 207.0 103.3 309.8

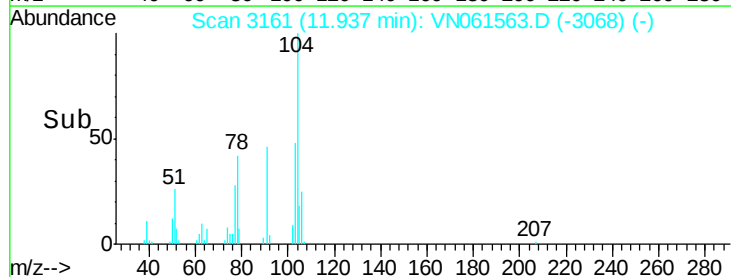
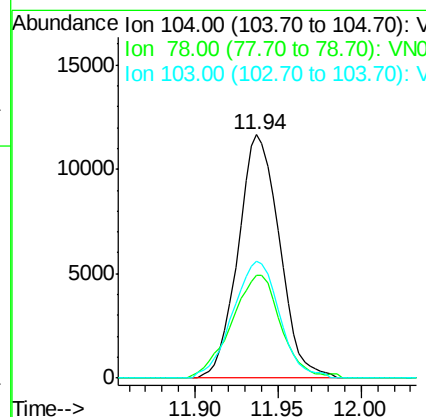
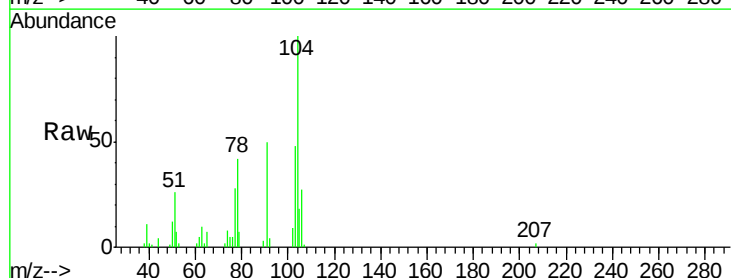
Manual Integrations
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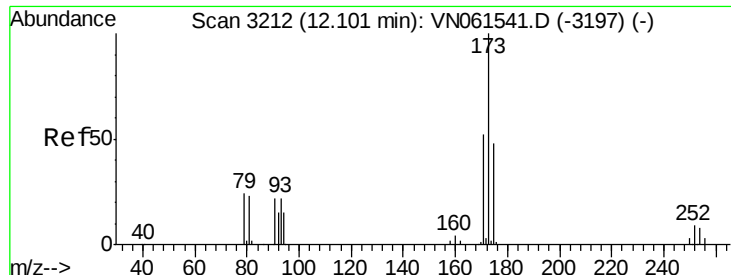
MMDadoda
6/1/2020 12:30:10 PM



#70
Styrene
Concen: 2.004 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

Tgt Ion:104 Resp: 20248
Ion Ratio Lower Upper
104 100
78 50.4 37.4 56.0
103 54.3 42.3 63.5





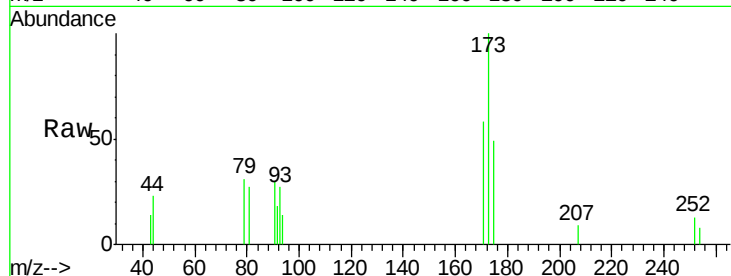
#71
Bromoform
Concen: 1.777 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

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

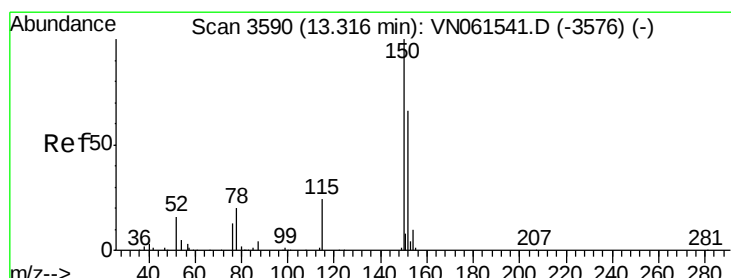
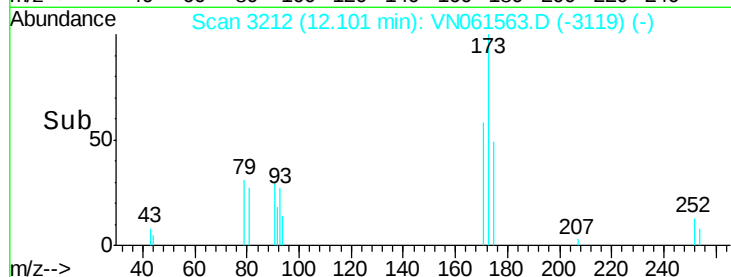
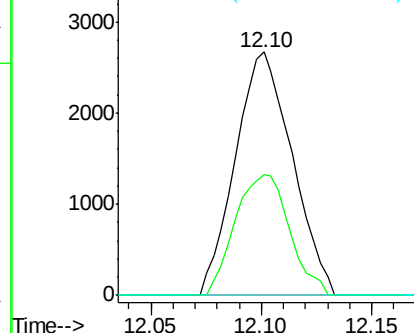
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.4	73.2
254	0.0	0.0	0.0

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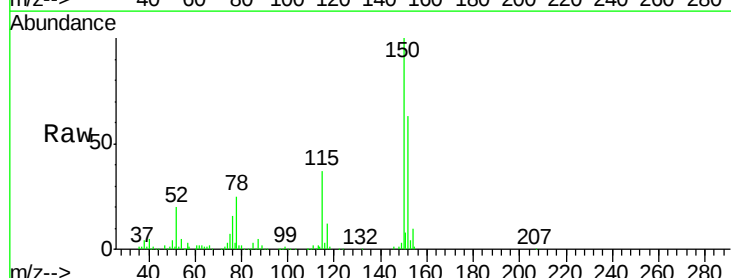


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

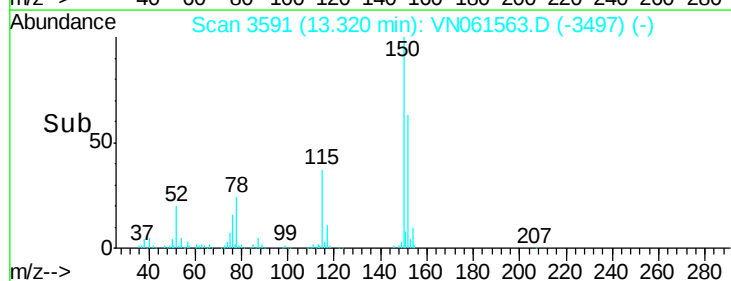
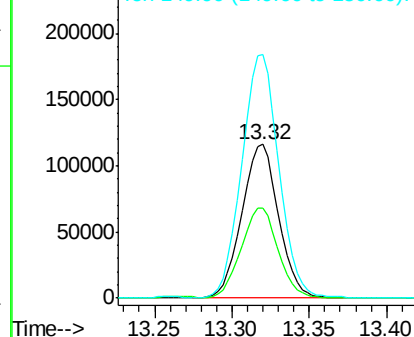


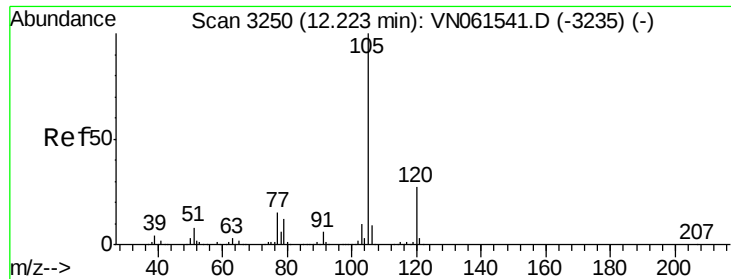
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	28.0	84.0
150	159.1	0.0	344.0



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





#73

Isopropylbenzene

Concen: 2.595 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:105 Resp: 36431

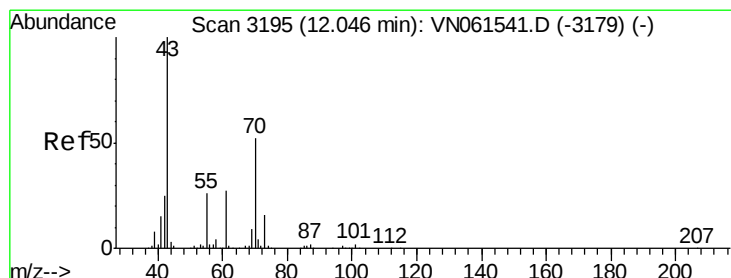
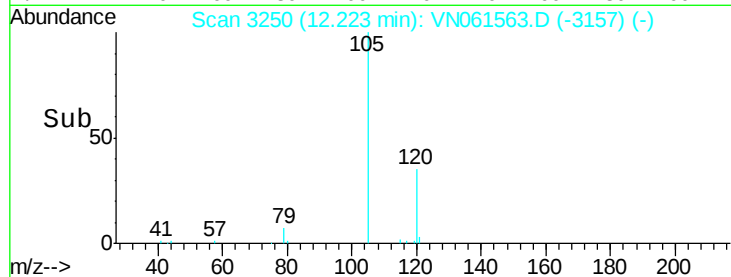
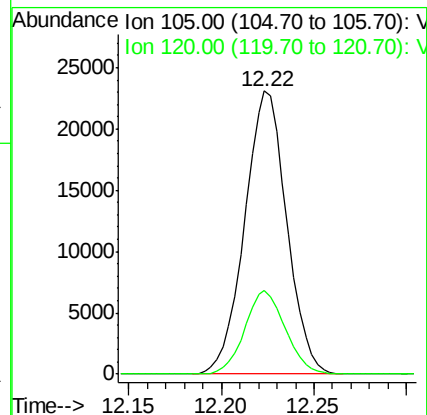
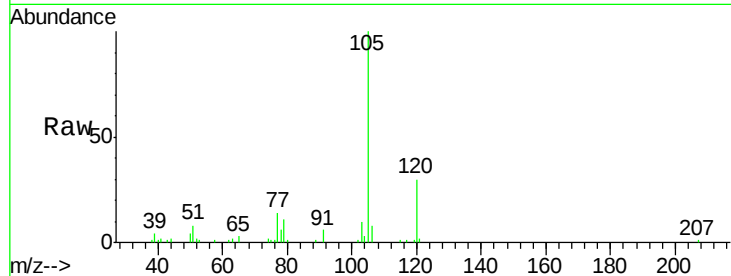
Ion Ratio Lower Upper

105 100

120 28.4 13.8 41.3

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#74

N-ethyl acetate

Concen: 2.402 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

Tgt Ion: 43 Resp: 10618

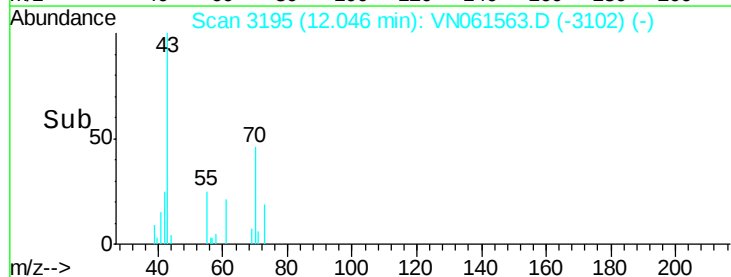
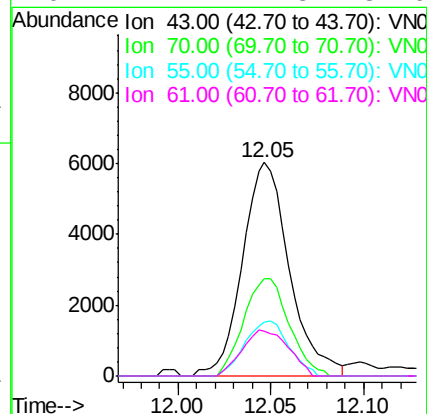
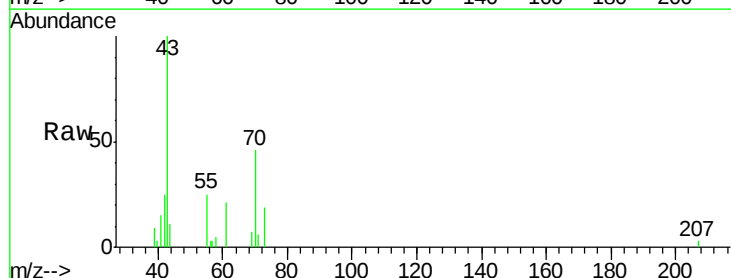
Ion Ratio Lower Upper

43 100

70 43.8 40.5 60.7

55 24.0 20.6 31.0

61 21.2 21.8 32.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 2.454 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

Instrument :

MSVOA_N

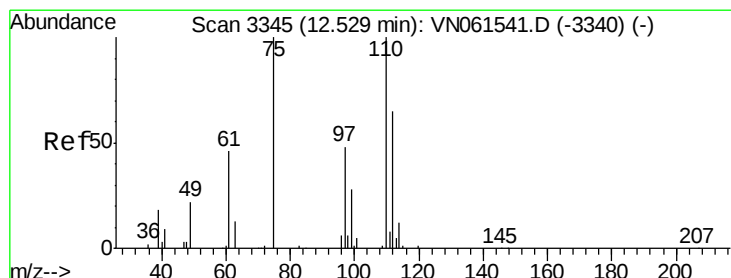
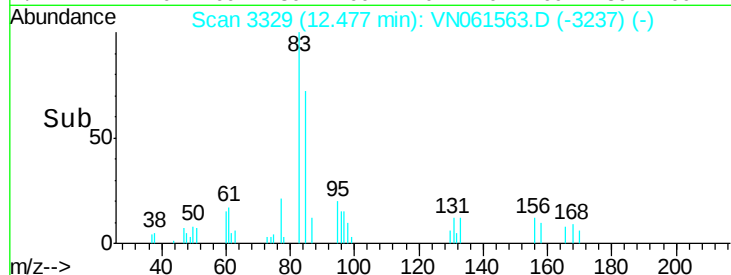
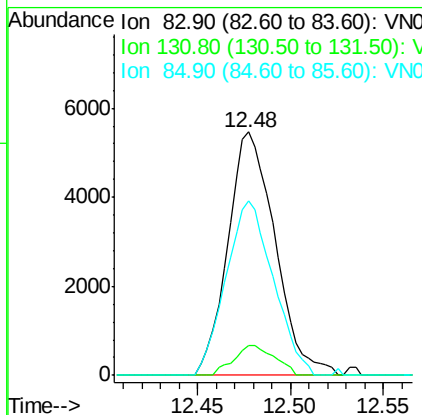
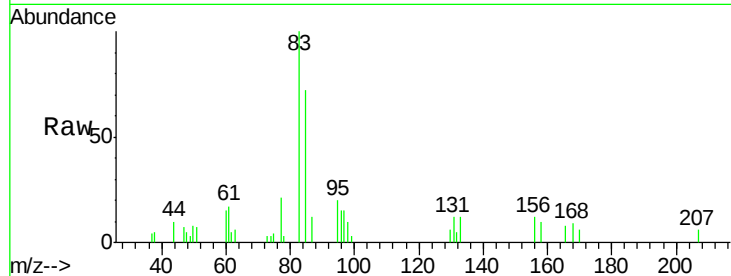
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	83	Resp:	9656
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.5	16.5
85	71.6	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 2.647 ug/l m

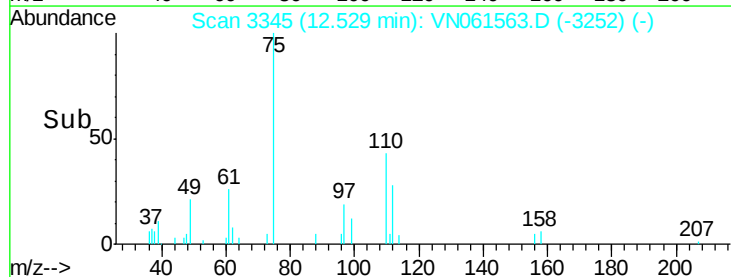
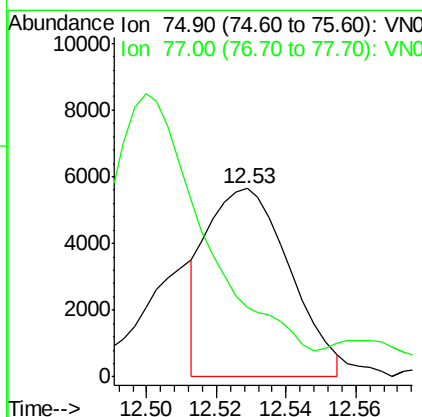
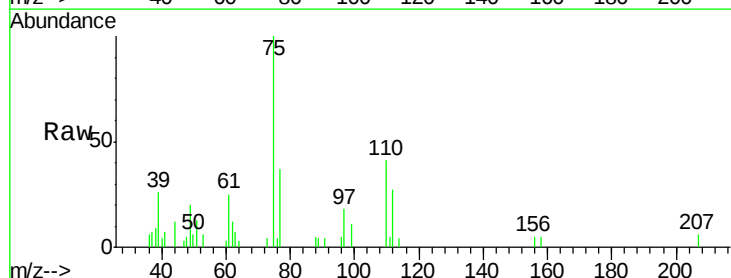
RT: 12.53 min Scan# 3345

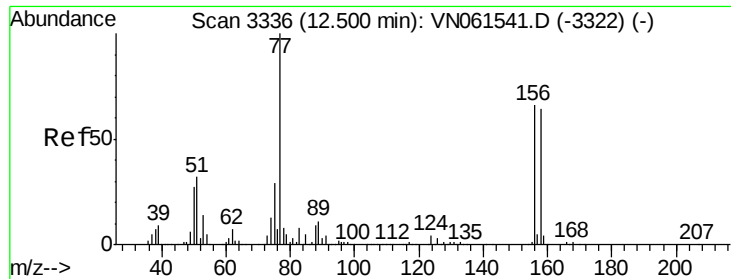
Delta R.T. 0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

Tgt Ion:	75	Resp:	9260
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 2.440 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

Instrument :

MSVOA_N

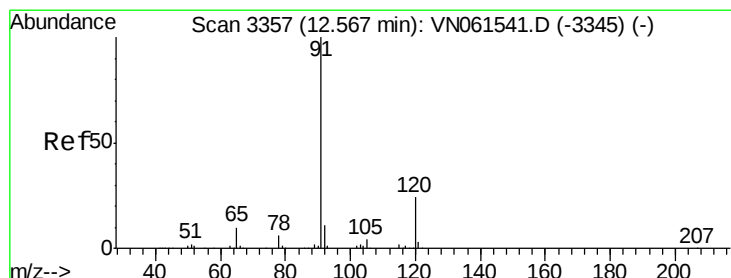
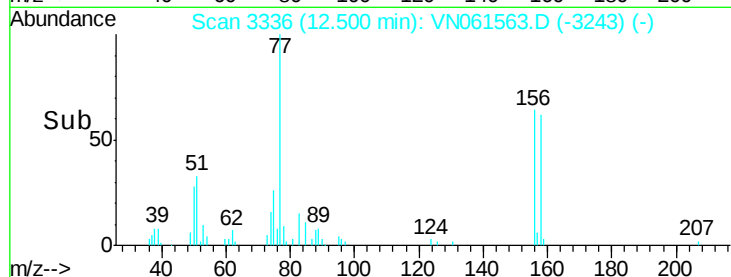
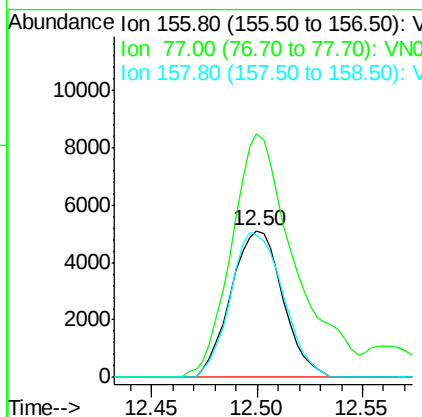
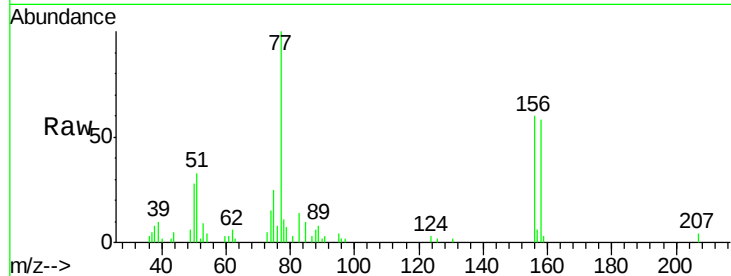
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
156	100		
77	203.0	90.9	272.7
158	100.5	48.4	145.3

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#78

n-propylbenzene

Concen: 2.566 ug/l

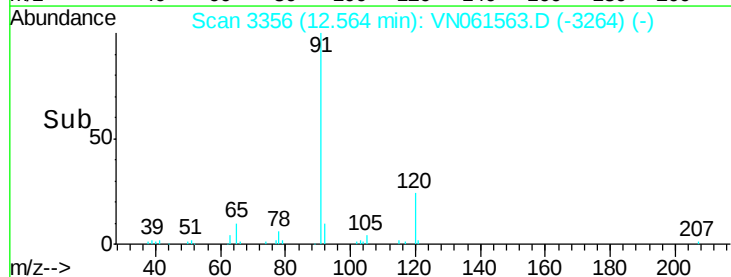
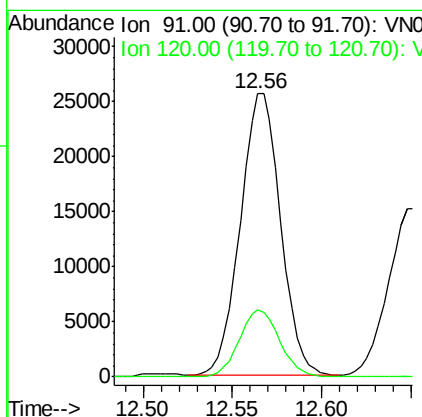
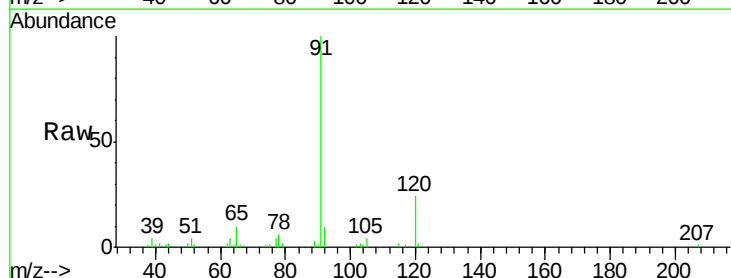
RT: 12.56 min Scan# 3356

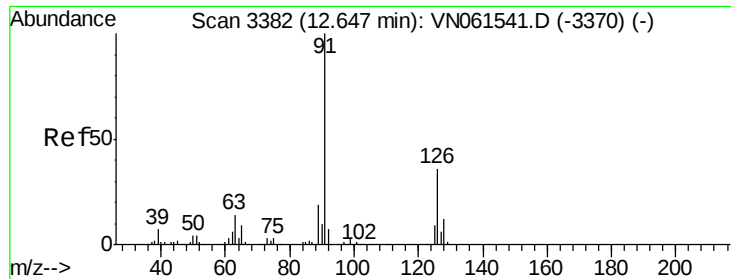
Delta R.T. -0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	12.3	36.9





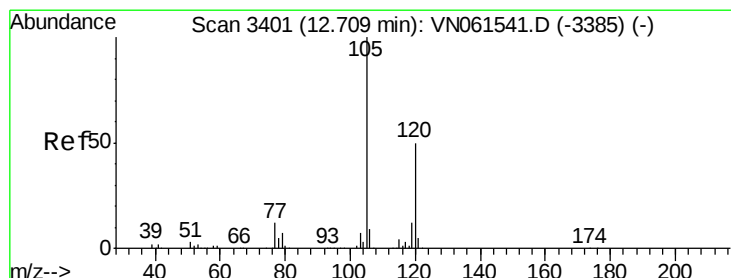
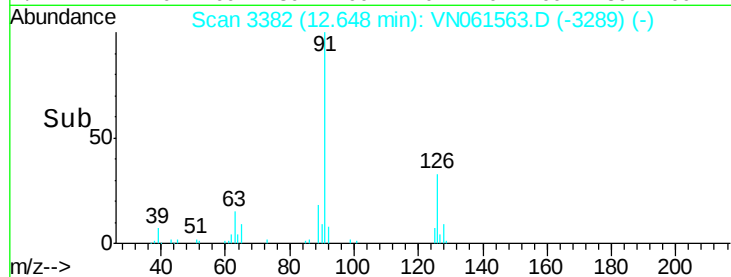
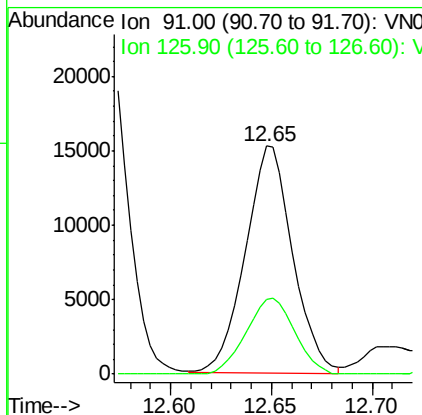
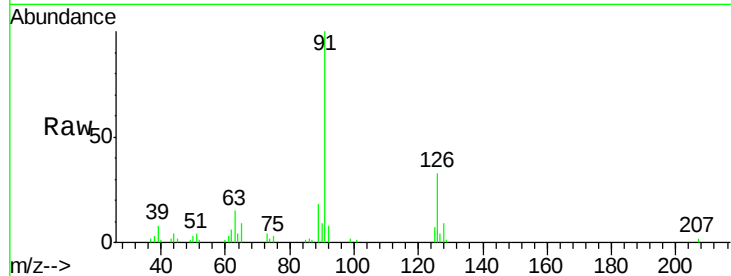
#79
 2-Chlorotoluene
 Concen: 2.668 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VN061563.D
 Acq: 29 May 2020 13:38

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

Tot Ion: 91 Resp: 24939
 Ion Ratio Lower Upper
 91 100
 126 34.3 17.9 53.7

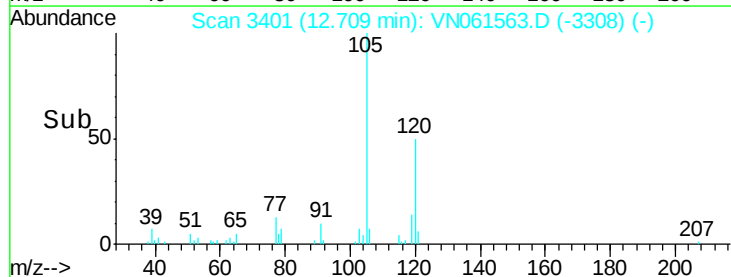
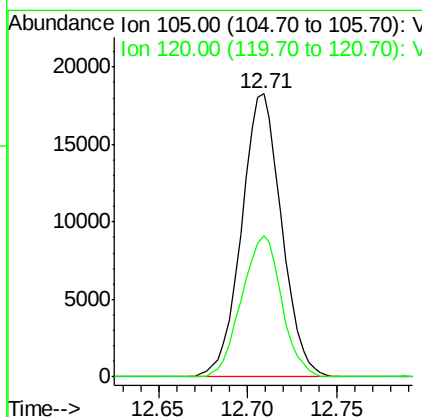
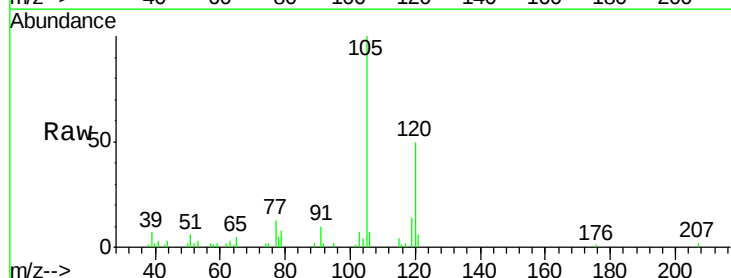
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#80
 1,3,5-Trimethylbenzene
 Concen: 2.447 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN061563.D
 Acq: 29 May 2020 13:38

Tgt Ion: 105 Resp: 28716
 Ion Ratio Lower Upper
 105 100
 120 49.8 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 1.970 ug/l m

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

Instrument :

MSVOA_N

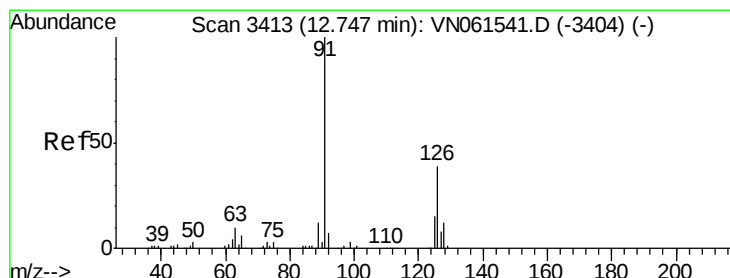
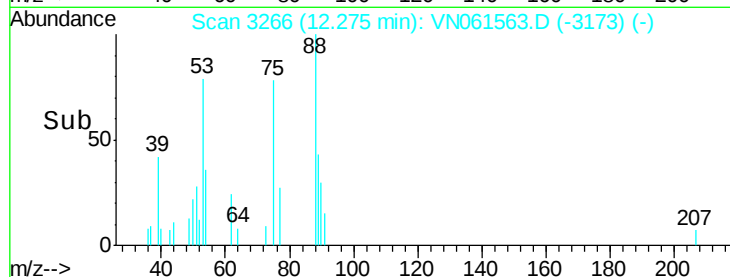
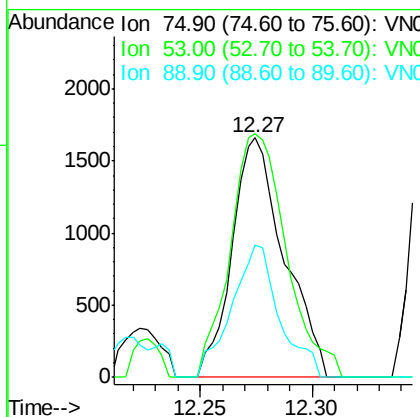
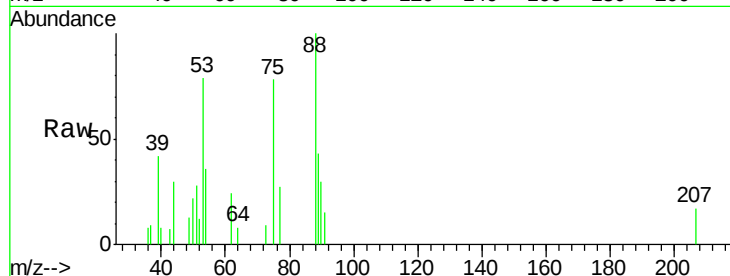
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	75	Resp:	2694
Ion Ratio	Lower	Upper	
75	100		
53	0.0	67.8	101.8#
89	0.0	37.1	55.7#

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#82

4-Chlorotoluene

Concen: 2.503 ug/l

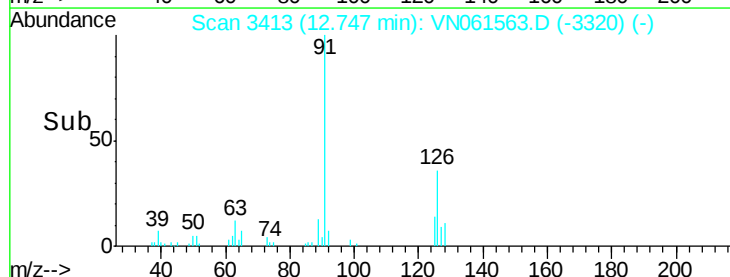
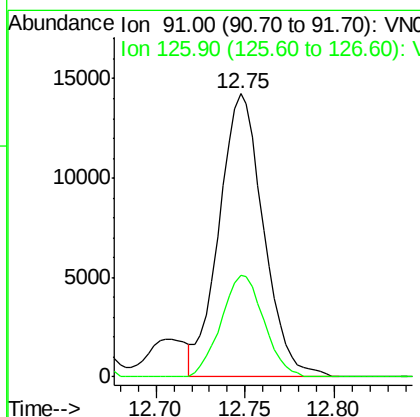
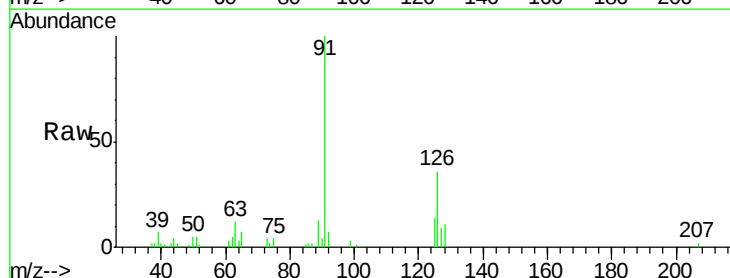
RT: 12.75 min Scan# 3413

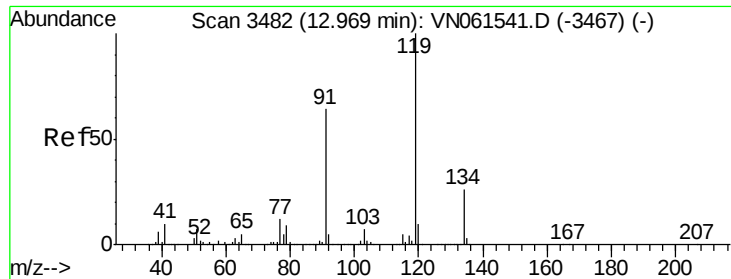
Delta R.T. 0.00 min

Lab File: VN061563.D

Acq: 29 May 2020 13:38

Tgt Ion:	91	Resp:	24612
Ion Ratio	Lower	Upper	
91	100		
126	34.6	17.5	52.6





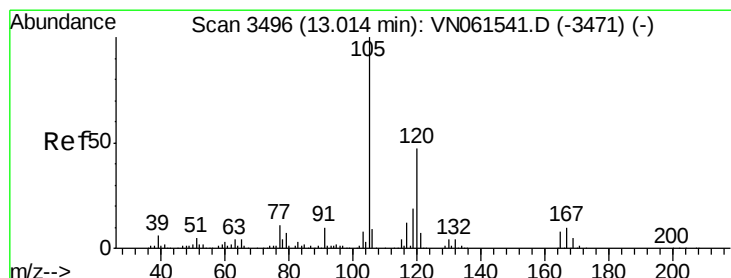
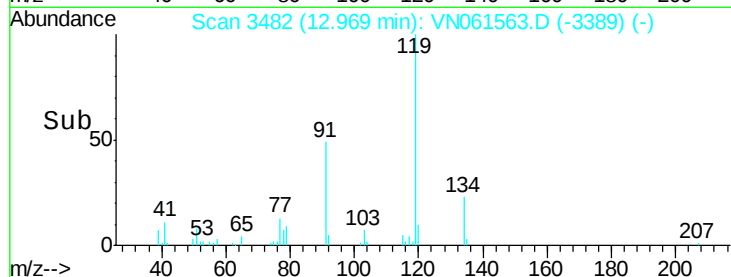
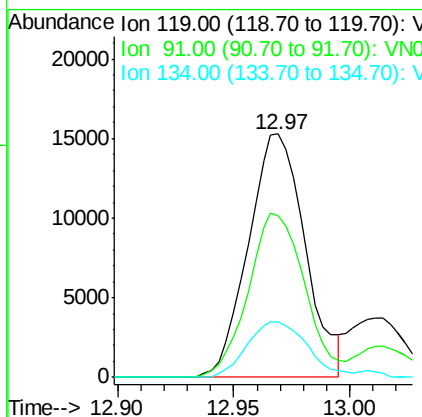
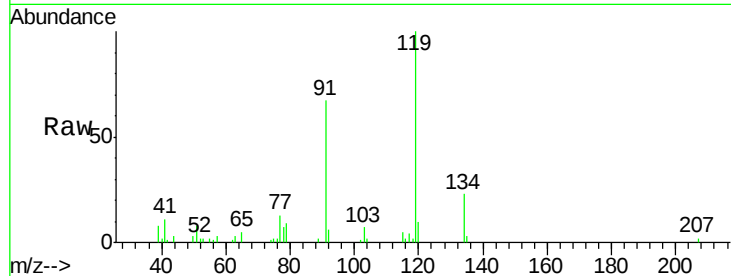
#83
 tert-Butylbenzene
 Concen: 2.504 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061563.D
 Acq: 29 May 2020 13:38

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.4	31.3	93.8
134	24.2	13.5	40.4

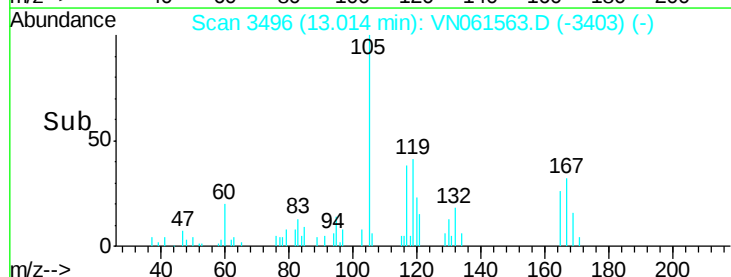
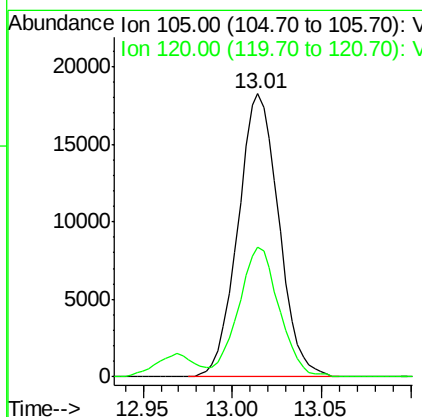
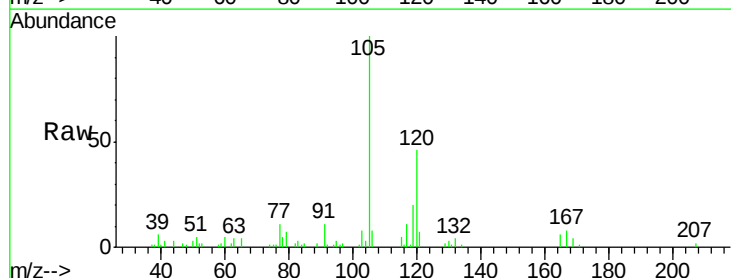
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#84
 1,2,4-Trimethylbenzene
 Concen: 2.504 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061563.D
 Acq: 29 May 2020 13:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.2	69.5





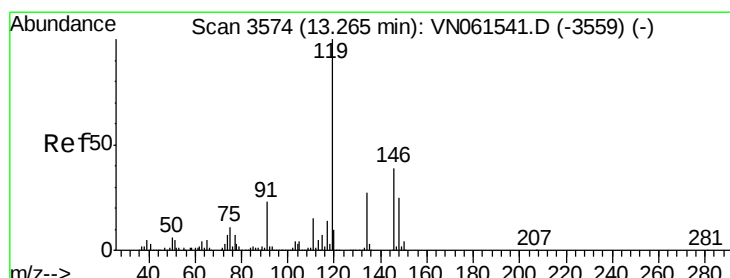
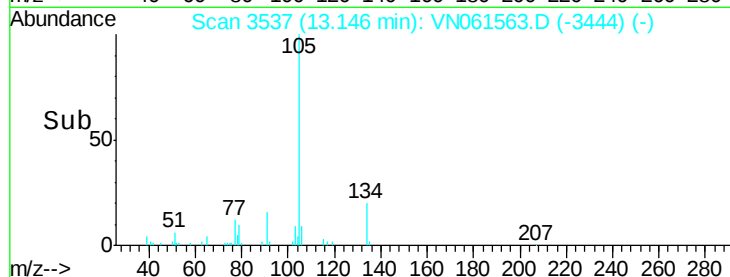
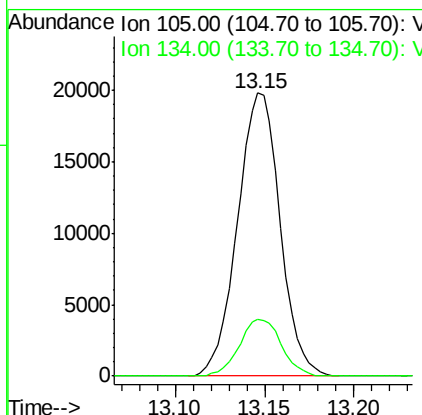
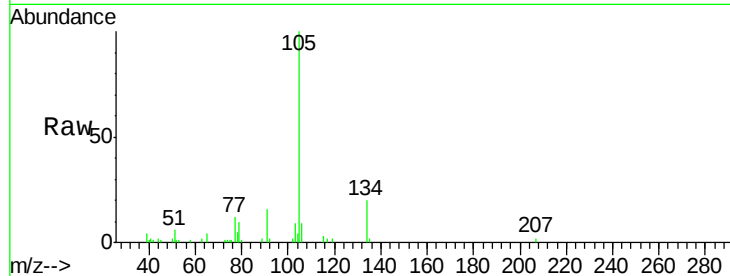
#85
 sec-Butylbenzene
 Concen: 2.463 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN061563.D
 Acq: 29 May 2020 13:38

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

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.7	31.9

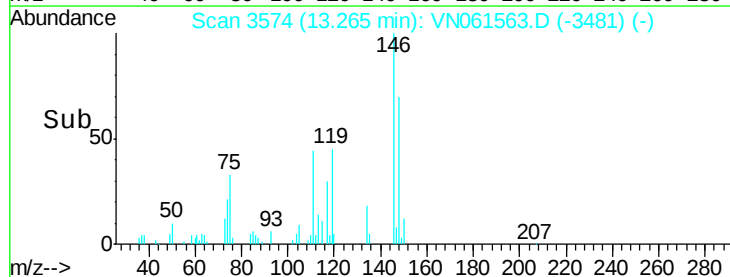
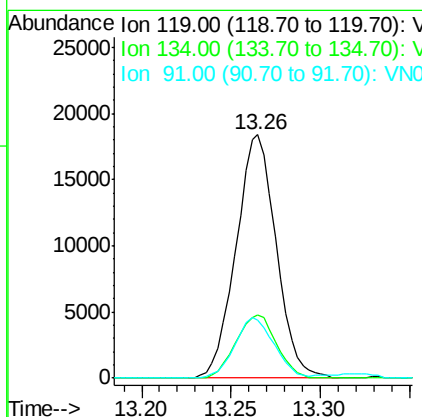
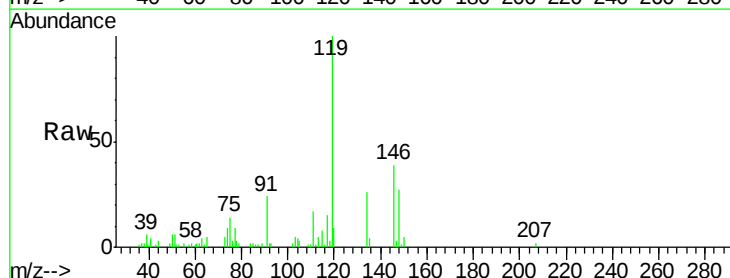
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#86
 p-Isopropyltoluene
 Concen: 2.340 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN061563.D
 Acq: 29 May 2020 13:38

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.5	40.5
91	24.5	11.4	34.1





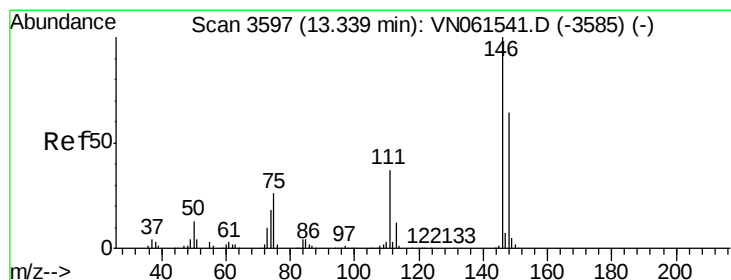
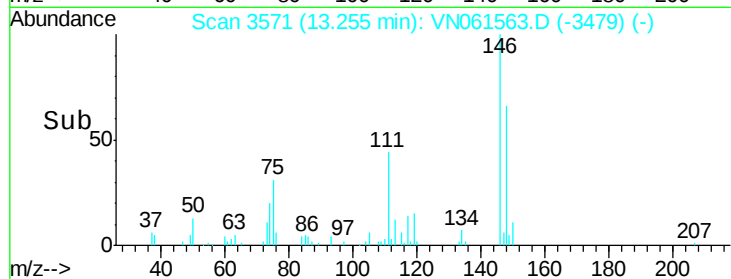
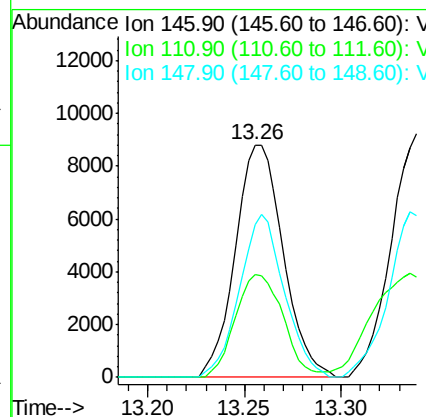
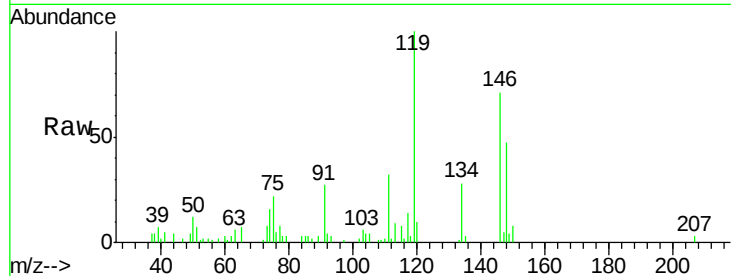
#87
 1,3-Dichlorobenzene
 Concen: 2.385 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN061563.D
 Acq: 29 May 2020 13:38

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	19.2	57.6
148	65.5	31.7	95.1

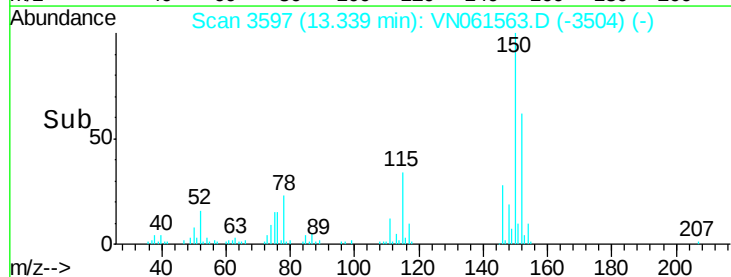
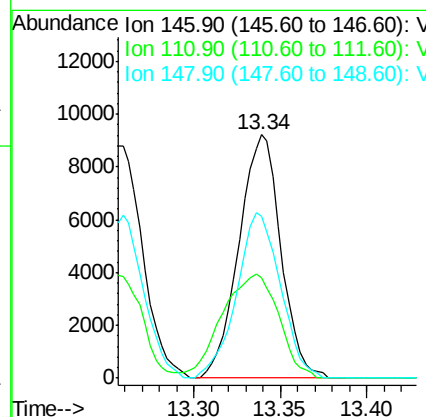
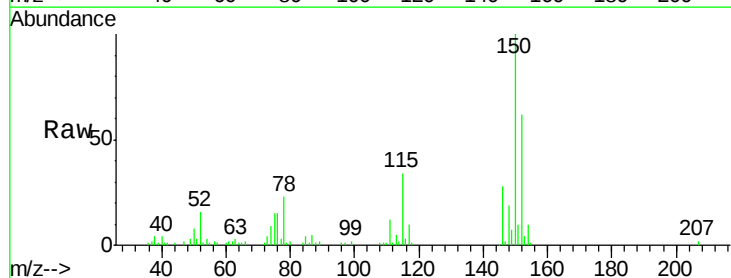
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#88
 1,4-Dichlorobenzene
 Concen: 2.408 ug/l m
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061563.D
 Acq: 29 May 2020 13:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	18.9	56.9
148	63.6	31.8	95.3





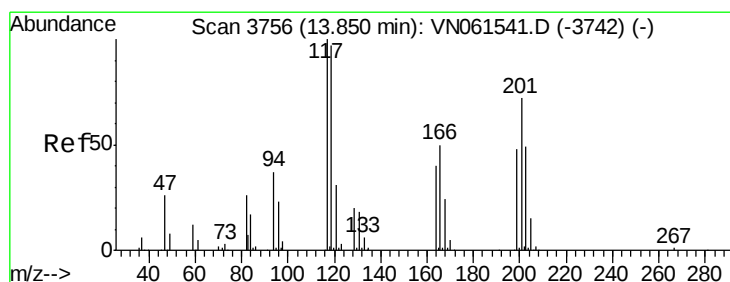
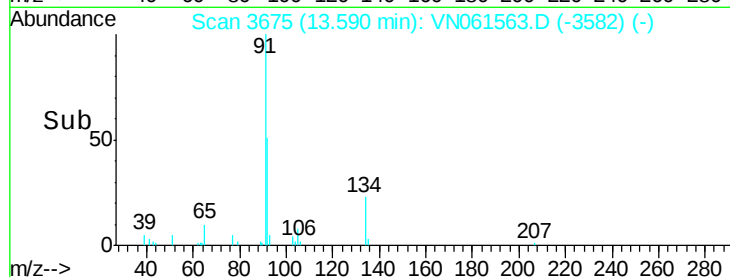
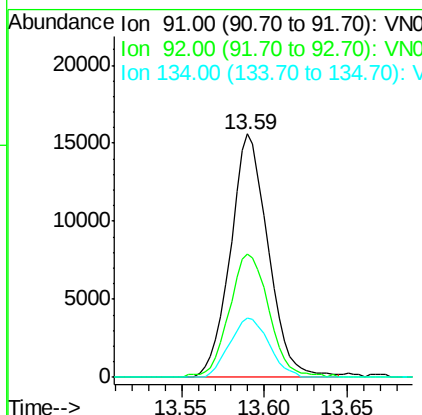
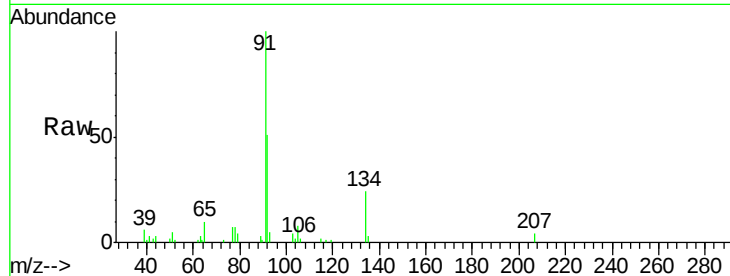
#89
n-Butylbenzene
Concen: 2.399 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	27.2	81.6
134	25.2	14.0	42.0

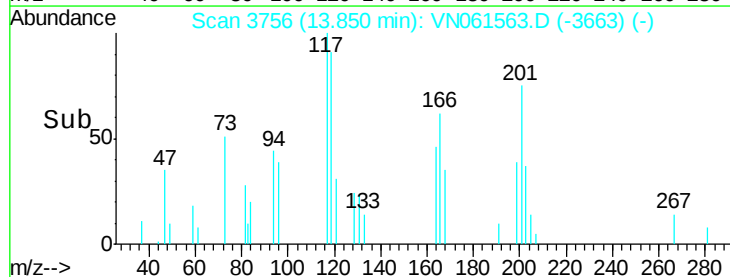
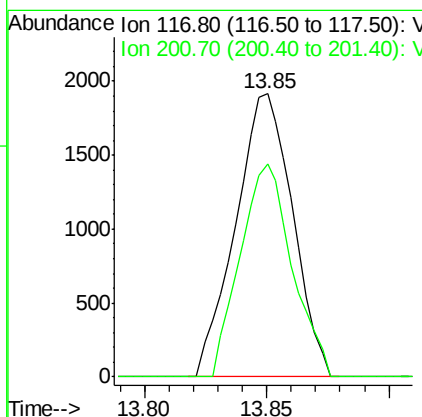
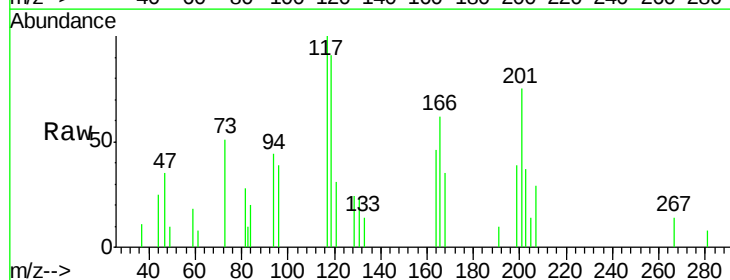
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#90
Hexachloroethane
Concen: 2.280 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.4	36.7	110.1





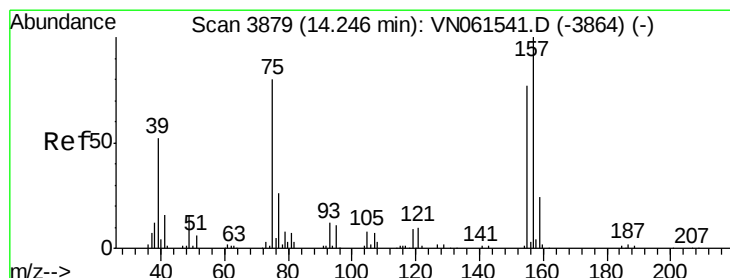
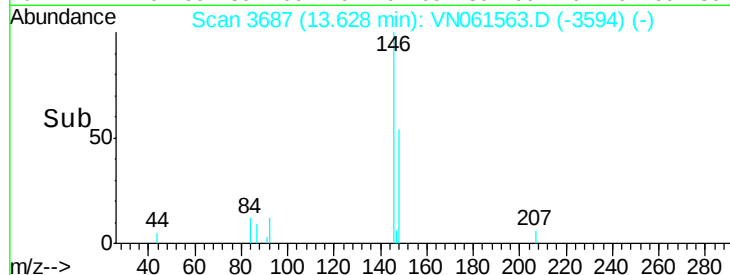
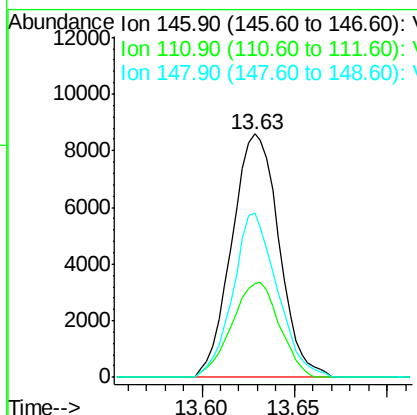
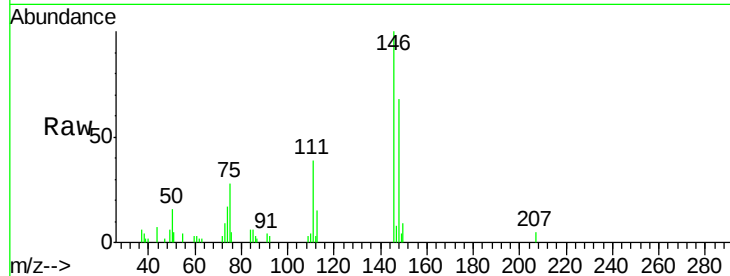
#91
 1,2-Dichlorobenzene
 Concen: 2.504 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061563.D
 Acq: 29 May 2020 13:38

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

Tot Ion:	146	Resp:	15186
Ion Ratio	Lower	Upper	
146	100		
111	39.5	20.1	60.2
148	63.6	31.9	95.5

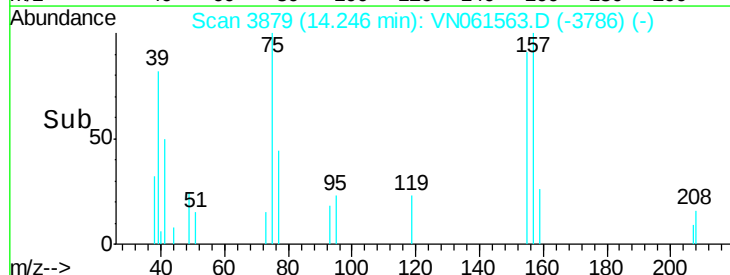
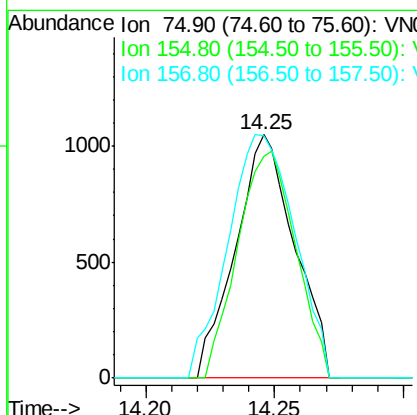
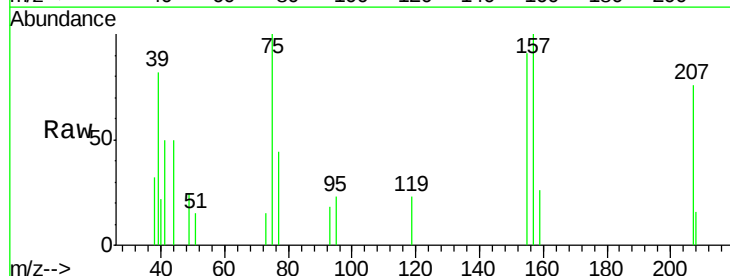
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.093 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061563.D
 Acq: 29 May 2020 13:38

Tgt Ion:	75	Resp:	1679
Ion Ratio	Lower	Upper	
75	100		
155	91.7	47.1	141.4
157	113.2	60.3	180.8





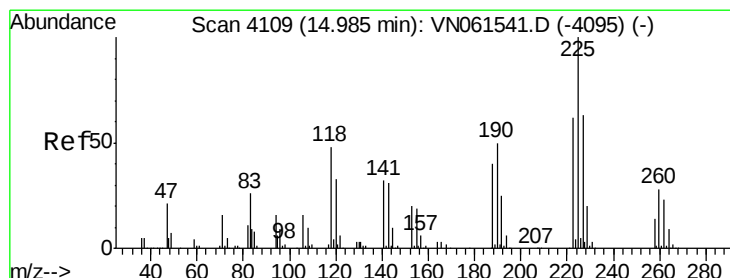
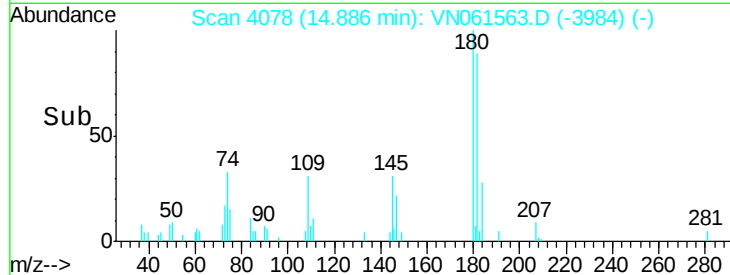
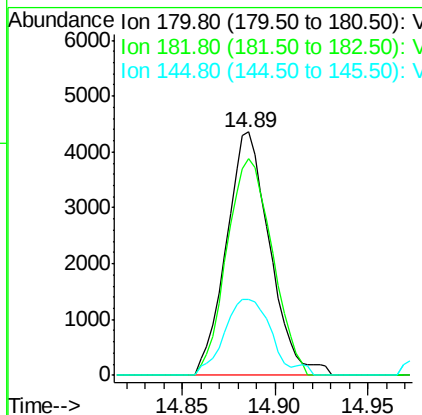
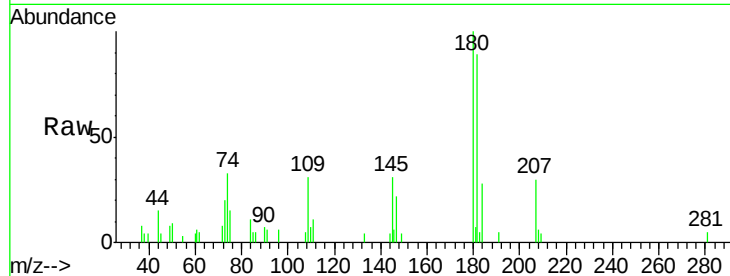
#93
 1,2,4-Trichlorobenzene
 Concen: 1.996 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061563.D
 Acq: 29 May 2020 13:38

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.8	143.3
145	34.2	15.5	46.5

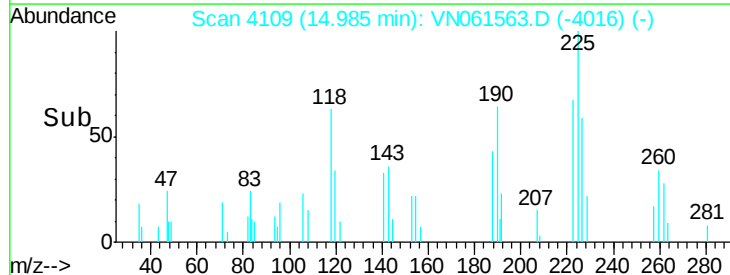
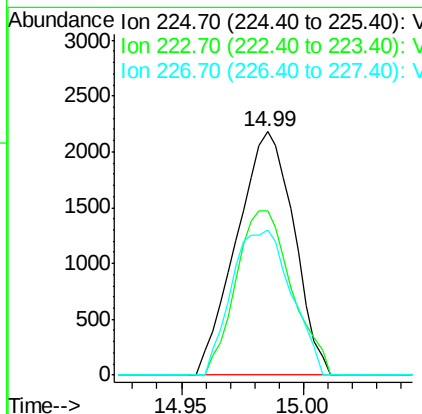
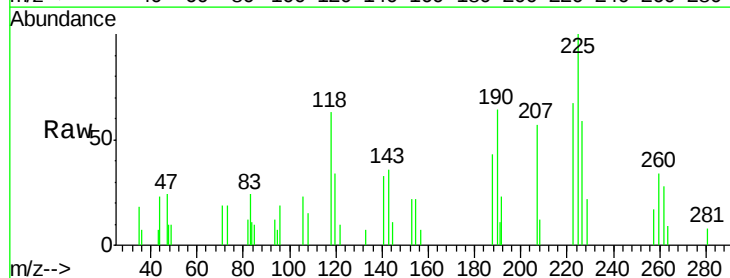
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#94
 Hexachlorobutadiene
 Concen: 2.345 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061563.D
 Acq: 29 May 2020 13:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.8	31.9	95.5
227	62.0	31.9	95.9





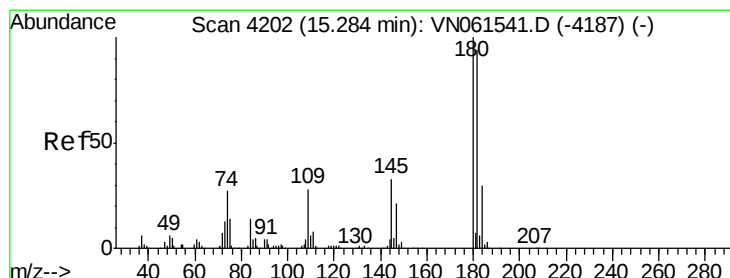
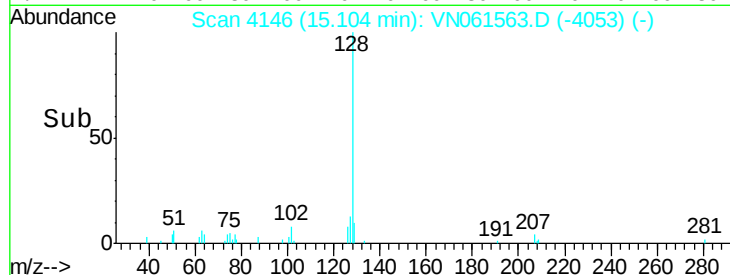
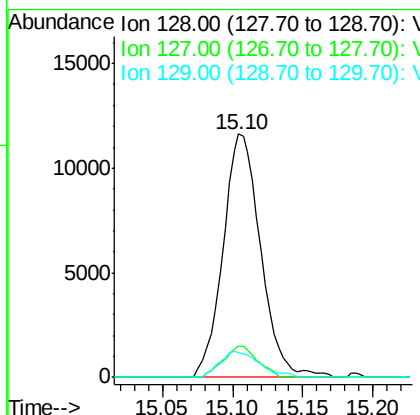
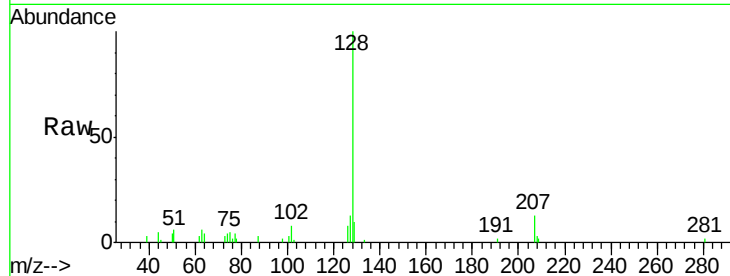
#95
Naphthalene
Concen: 2.001 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

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

Tot Ion:	128	Resp:	21606
Ion Ratio	Lower	Upper	
128	100		
127	11.6	10.0	15.0
129	11.3	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/1/2020 12:30:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 2.219 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061563.D
Acq: 29 May 2020 13:38

Tgt Ion:	180	Resp:	7738
Ion Ratio	Lower	Upper	
180	100		
182	88.3	47.1	141.3
145	33.8	16.3	48.9

