

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
 Data File : VN061553.D
 Acq On : 29 May 2020 00:46
 Operator : JC/MD
 Sample : L2182-08 5.00PPB L00
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Manual Integrations
 APPROVED

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 5/29/2020 5:50:35 PM

Quant Time: May 29 07:45:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:45:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	289432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	525665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	489462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	213536	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	195845	56.79	ug/l	0.00
Spiked Amount			Recovery	=	113.58%	
35) Dibromofluoromethane	7.55	113	147309	55.24	ug/l	0.00
Spiked Amount			Recovery	=	110.48%	
50) Toluene-d8	10.06	98	610358	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	12.38	95	210732	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	11090	3.666	ug/l	99
3) Chloromethane	2.03	50	18065	5.117	ug/l	96
4) Vinyl Chloride	2.16	62	24765	5.119	ug/l	100
5) Bromomethane	2.54	94	16322	5.880	ug/l	90
6) Chloroethane	2.67	64	16004	5.140	ug/l	99
7) Trichlorofluoromethane	2.98	101	31904	5.114	ug/l	100
8) Diethyl Ether	3.37	74	10155	5.324	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	14250	5.148	ug/l #	84
10) Methyl Iodide	3.90	142	18444	4.800	ug/l	100
11) Tert butyl alcohol	4.74	59	12559	27.381	ug/l #	90
12) 1,1-Dichloroethene	3.69	96	15377	5.199	ug/l	93
13) Acrolein	3.57	56	8161	46.406	ug/l	98
14) Allyl chloride	4.28	41	20634	5.337	ug/l	98
15) Acrylonitrile	4.93	53	33161	25.902	ug/l #	89
16) Acetone	3.77	43	30047	24.635	ug/l	97
17) Carbon Disulfide	4.01	76	35510	5.457	ug/l	95
18) Methyl Acetate	4.28	43	15300	4.901	ug/l #	73
19) Methyl tert-butyl Ether	4.99	73	53917	5.349	ug/l	98
20) Methylene Chloride	4.50	84	18353	4.341	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	16686	5.003	ug/l	96
22) Diisopropyl ether	5.91	45	45853	5.381	ug/l	97
23) Vinyl Acetate	5.85	43	177825	26.181	ug/l	96
24) 1,1-Dichloroethane	5.80	63	28229	5.224	ug/l	98
25) 2-Butanone	6.79	43	40944	25.053	ug/l	97
26) 2,2-Dichloropropane	6.78	77	21560	4.359	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	20485	5.424	ug/l	98
28) Bromochloromethane	7.15	49	5561	2.385	ug/l #	46
29) Tetrahydrofuran	7.17	42	26771	24.841	ug/l	99
30) Chloroform	7.33	83	32253	5.395	ug/l	99
31) Cyclohexane	7.62	56	27015	5.559	ug/l #	80
32) 1,1,1-Trichloroethane	7.53	97	28137	5.165	ug/l	97
36) 1,1-Dichloropropene	7.75	75	23048	4.953	ug/l	94
37) Ethyl Acetate	6.89	43	18441	4.920	ug/l #	86
38) Carbon Tetrachloride	7.73	117	19872	4.427	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	22997	4.009	ug/l	97
40) Benzene	8.00	78	69556	4.844	ug/l	95
41) Methacrylonitrile	7.14	41	9800m	5.707	ug/l	
42) 1,2-Dichloroethane	8.09	62	24722	5.143	ug/l	96
43) Isopropyl Acetate	8.13	43	32057	4.754	ug/l	99
44) Trichloroethene	8.80	130	19775	4.481	ug/l	99
45) 1,2-Dichloropropane	9.08	63	16733	4.908	ug/l	97
46) Dibromomethane	9.18	93	12085	4.622	ug/l	93
47) Bromodichloromethane	9.37	83	24810	4.789	ug/l	98
48) Methyl methacrylate	9.17	41	13943	4.596	ug/l	97
49) 1,4-Dioxane	9.17	88	4453	94.745	ug/l #	91
51) 4-Methyl-2-Pentanone	9.95	43	88724	23.349	ug/l	100
52) Toluene	10.12	92	44270	4.724	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	25423	4.555	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	27425	4.570	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	17957	4.810	ug/l	98
56) Ethyl methacrylate	10.40	69	23864	4.576	ug/l	98
57) 1,3-Dichloropropane	10.68	76	30077	5.037	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	51444	23.081	ug/l	100
59) 2-Hexanone	10.72	43	60529	22.180	ug/l	99
60) Dibromochloromethane	10.87	129	18637	4.391	ug/l	98
61) 1,2-Dibromoethane	10.98	107	17824	4.577	ug/l	98
64) Tetrachloroethene	10.60	164	19740	4.284	ug/l	93
65) Chlorobenzene	11.41	112	48658	4.783	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	16836	4.444	ug/l	98
67) Ethyl Benzene	11.49	91	82935	4.716	ug/l	100
68) m/p-Xylenes	11.60	106	61779	8.860	ug/l	95
69) o-Xylene	11.92	106	30674	4.632	ug/l	99
70) Styrene	11.94	104	48843	4.454	ug/l	98
71) Bromoform	12.10	173	10898	3.733	ug/l #	99
73) Isopropylbenzene	12.22	105	78112	5.012	ug/l	99
74) N-amyl acetate	12.05	43	24441	4.980	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	23537	5.389	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	20162m	5.192	ug/l	
77) Bromobenzene	12.50	156	19290	4.849	ug/l	91
78) n-propylbenzene	12.57	91	86533	4.973	ug/l	96
79) 2-Chlorotoluene	12.65	91	53174	5.125	ug/l	96
80) 1,3,5-Trimethylbenzene	12.71	105	64954	4.986	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	6187	4.075	ug/l #	88
82) 4-Chlorotoluene	12.75	91	54355	4.980	ug/l	100
83) tert-Butylbenzene	12.97	119	57239	4.973	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	65957	5.097	ug/l	98
85) sec-Butylbenzene	13.15	105	72280	4.874	ug/l	97
86) p-Isopropyltoluene	13.26	119	65231	4.776	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	33070	4.694	ug/l	95
88) 1,4-Dichlorobenzene	13.34	146	33983	4.735	ug/l	92
89) n-Butylbenzene	13.59	91	54161	4.734	ug/l	95
90) Hexachloroethane	13.85	117	7841	5.191	ug/l	90
91) 1,2-Dichlorobenzene	13.63	146	32808	4.873	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.25	75	4247	4.768	ug/l	86

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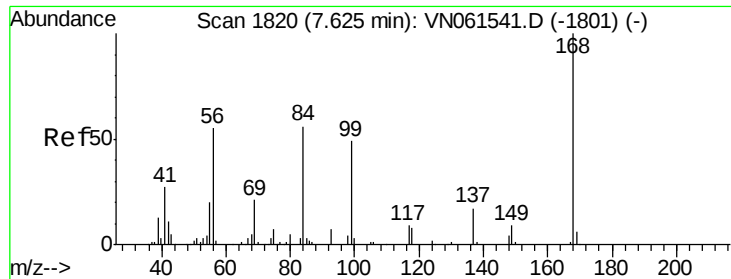
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	16182	4.110	ug/l	99
94) Hexachlorobutadiene	14.98	225	7422	4.420	ug/l	98
95) Naphthalene	15.11	128	51075	4.262	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	16643	4.299	ug/l	97

(#) = 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: VN061553.D

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Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:168 Resp: 289432

Ion Ratio Lower Upper

168 100

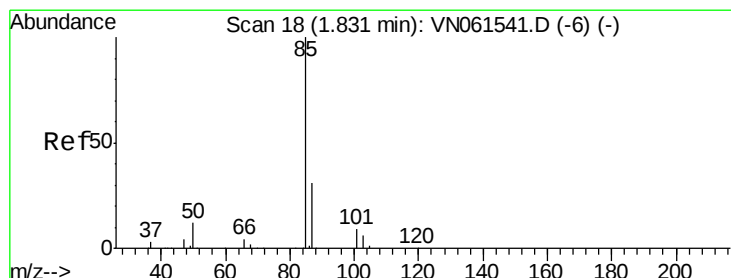
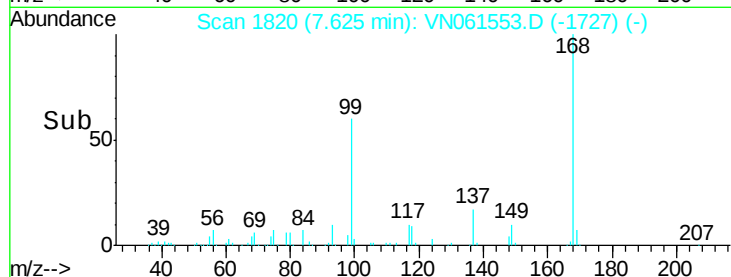
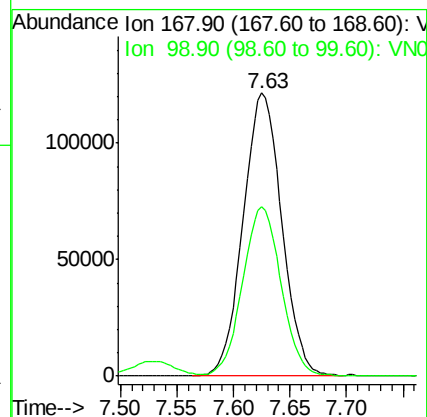
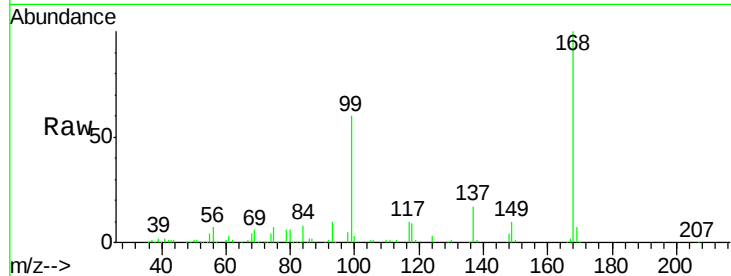
99 59.5 45.0 67.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 3.666 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061553.D

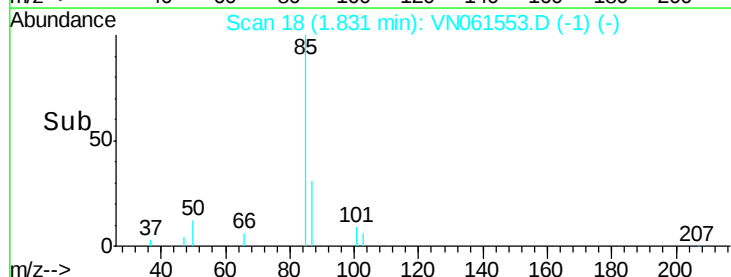
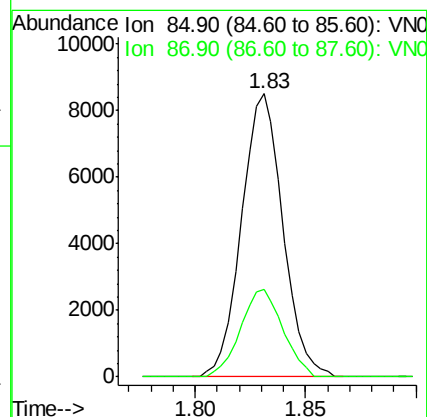
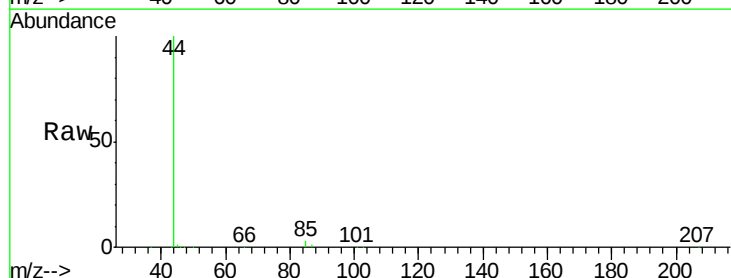
Acq: 29 May 2020 00:46

Tgt Ion: 85 Resp: 11090

Ion Ratio Lower Upper

85 100

87 30.7 15.6 46.8





#3

Chloromethane

Concen: 5.117 ug/l

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 50 Resp: 18065

Ion Ratio Lower Upper

50 100

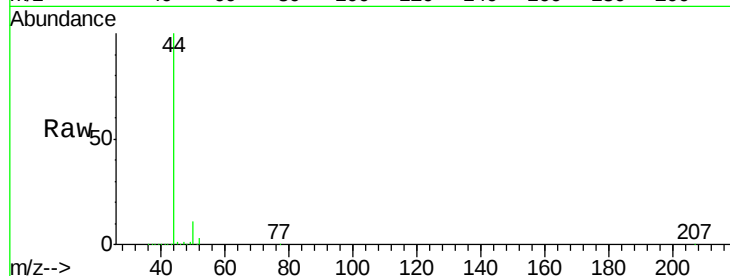
52 31.0 26.7 40.1

Manual Integrations

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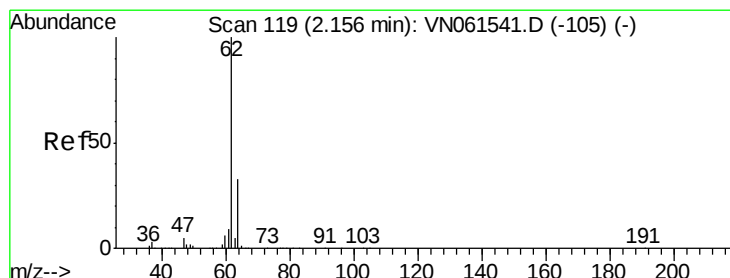
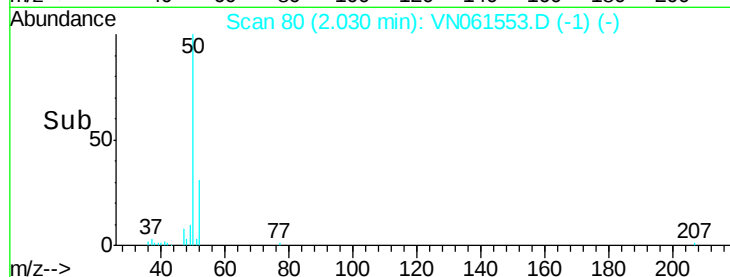
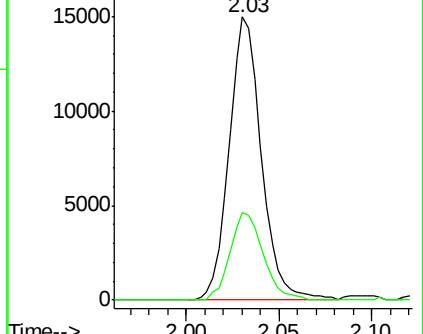
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 5.119 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061553.D

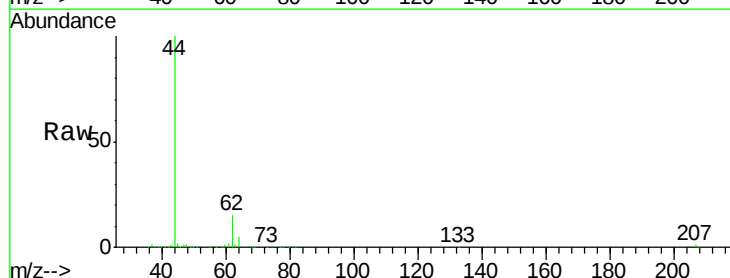
Acq: 29 May 2020 00:46

Tgt Ion: 62 Resp: 24765

Ion Ratio Lower Upper

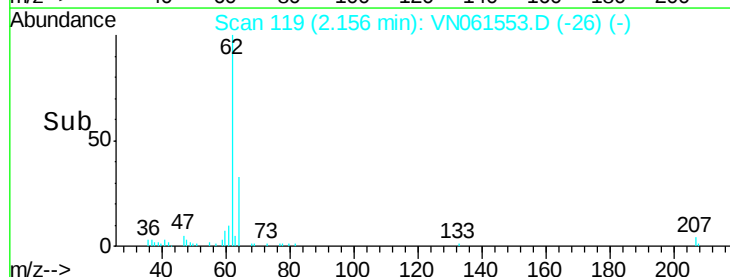
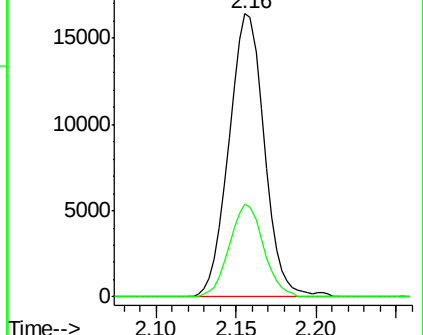
62 100

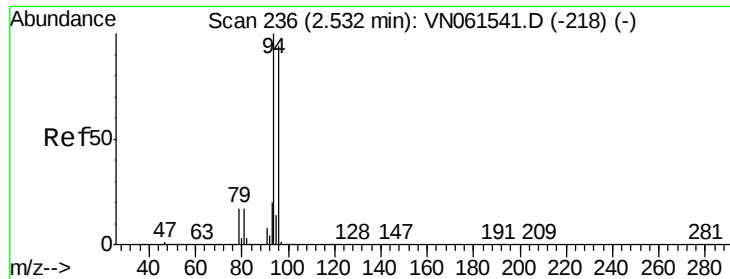
64 32.7 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 5.880 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

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LOQ-WATER-02-QT2-2020

Tot Ion: 94 Resp: 16322

Ion Ratio Lower Upper

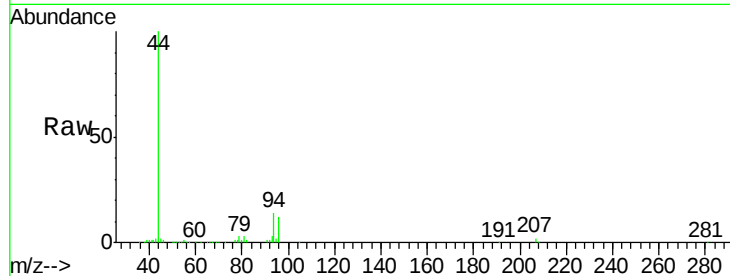
94 100

96 83.6 74.8 112.2

Manual Integrations
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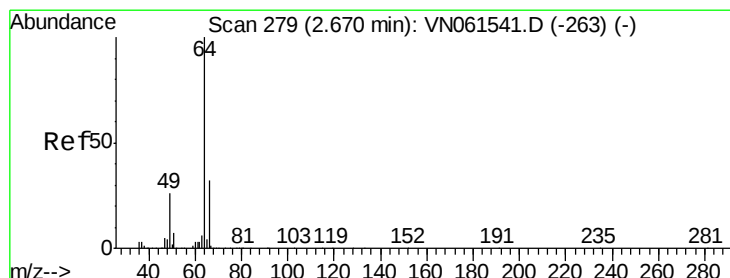
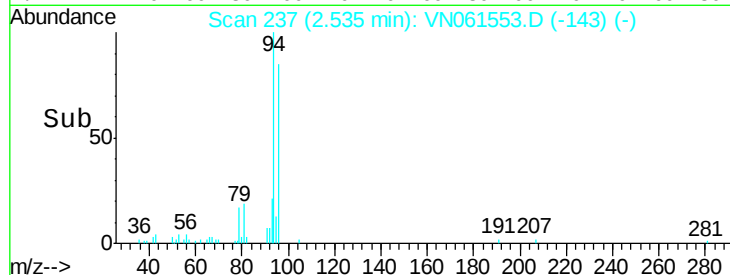
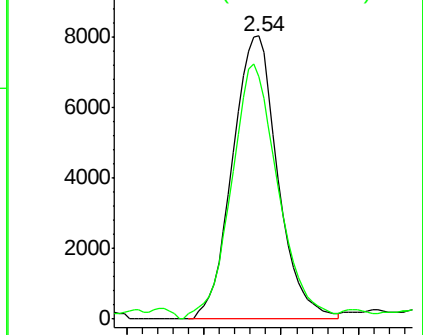
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.140 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061553.D

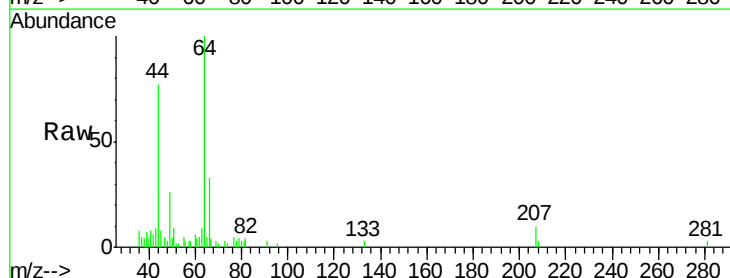
Acq: 29 May 2020 00:46

Tgt Ion: 64 Resp: 16004

Ion Ratio Lower Upper

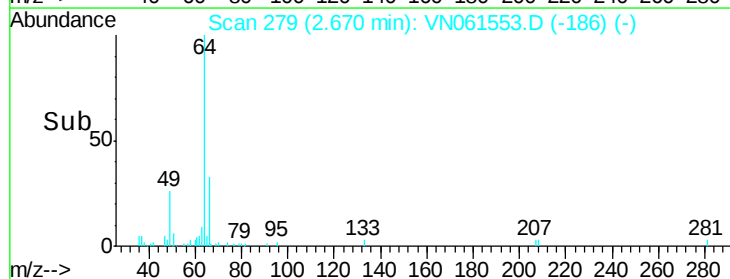
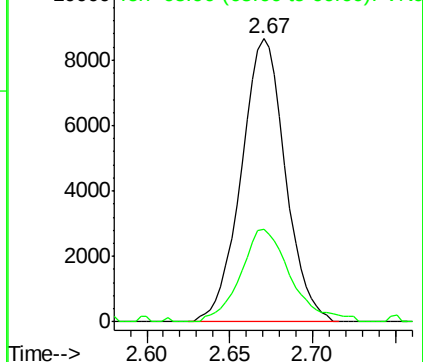
64 100

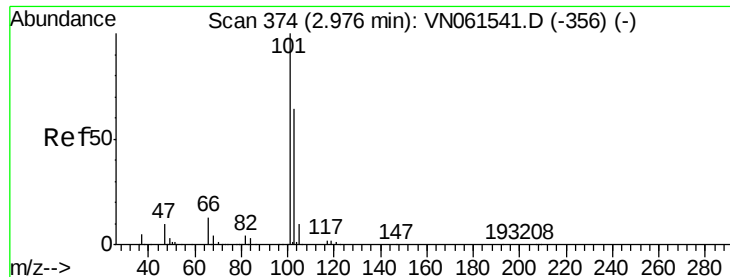
66 32.7 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

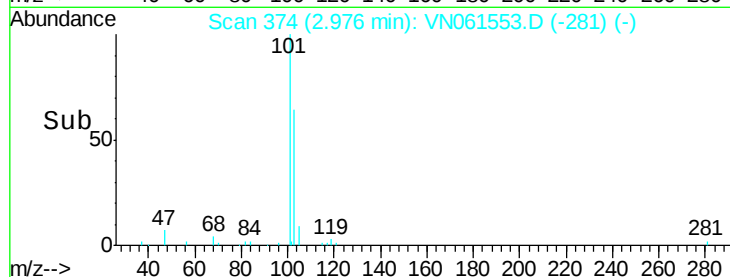
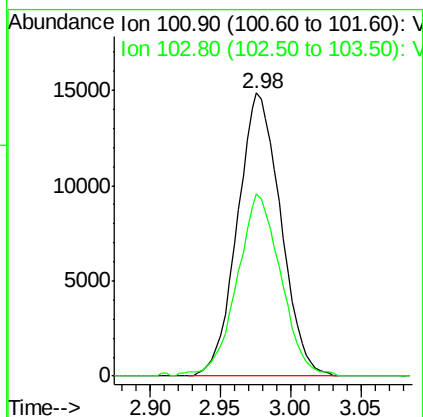
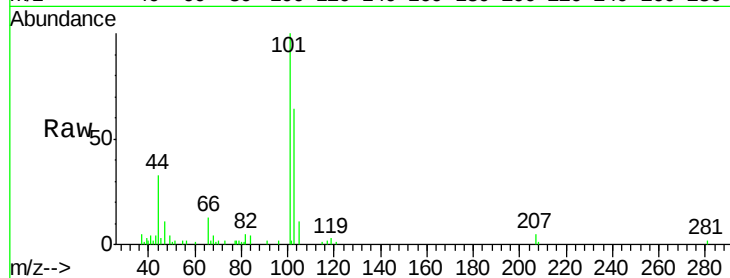
Trichlorofluoromethane
 Concen: 5.114 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.4	77.2

Manual Integrations
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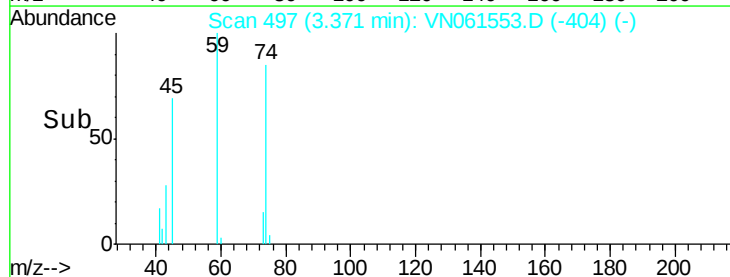
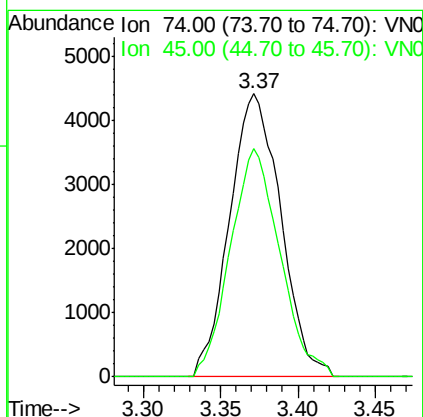
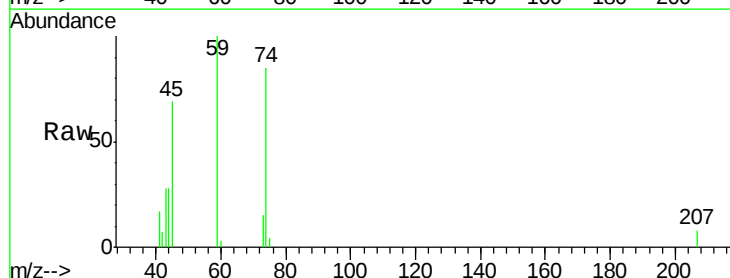
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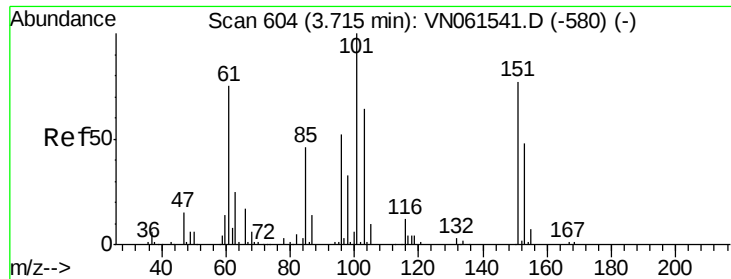


#8

Diethyl Ether
 Concen: 5.324 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	78.1	39.9	119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.148 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

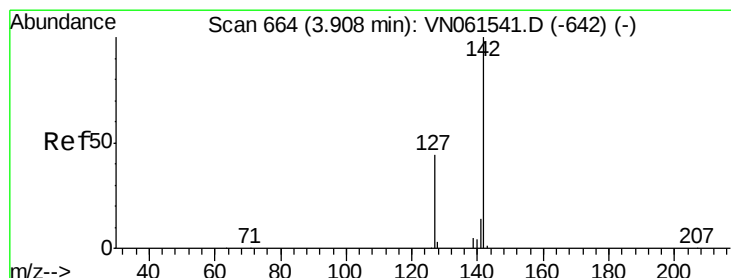
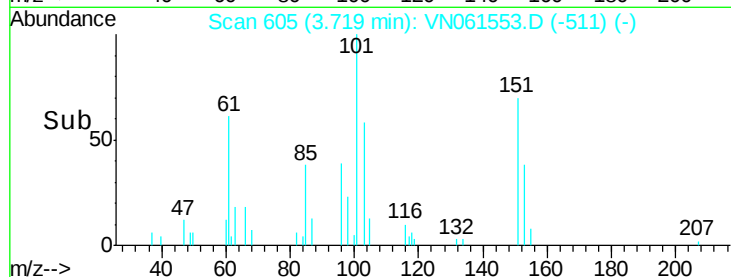
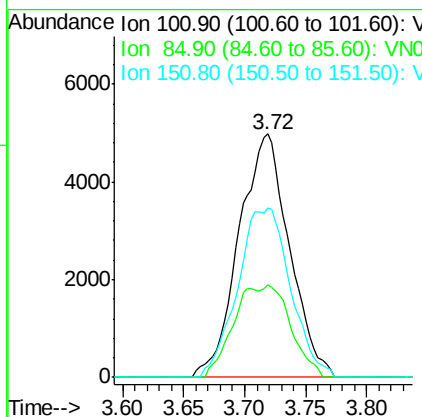
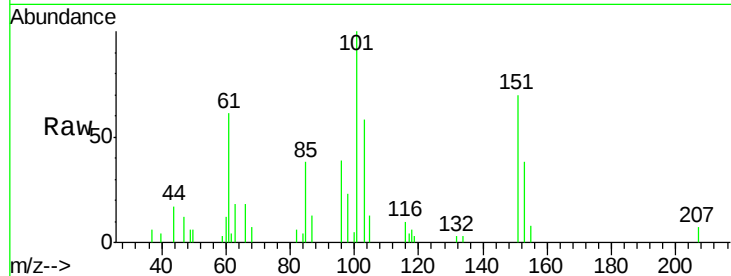
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	101	Resp:	14250
Ion Ratio	Lower	Upper	
101	100		
85	20.9	35.2	52.8#
151	72.9	61.0	91.6

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#10

Methyl Iodide

Concen: 4.800 ug/l

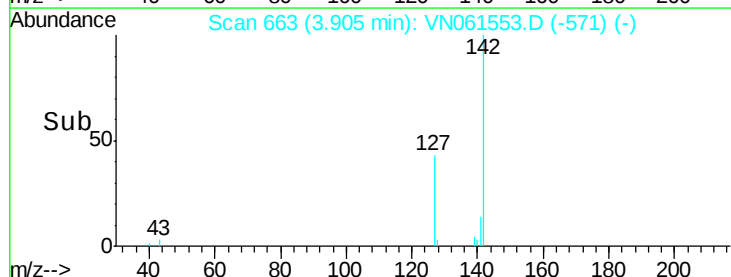
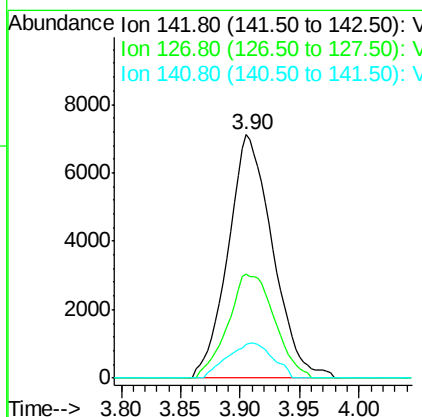
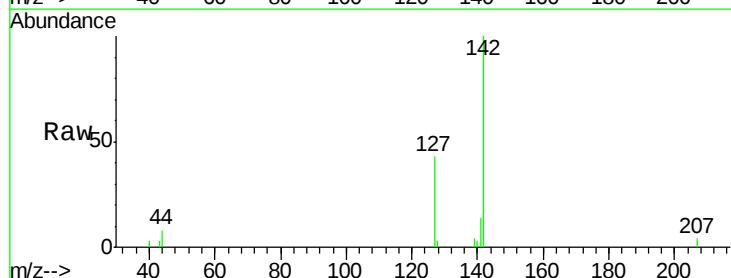
RT: 3.90 min Scan# 663

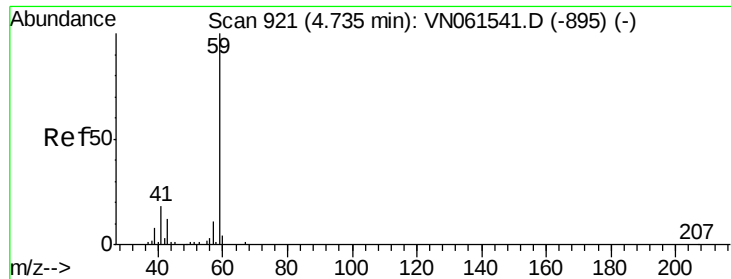
Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Tgt Ion:	142	Resp:	18444
Ion Ratio	Lower	Upper	
142	100		
127	44.5	35.5	53.3
141	14.7	11.5	17.3





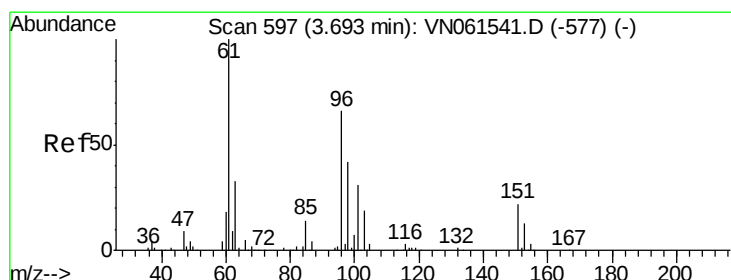
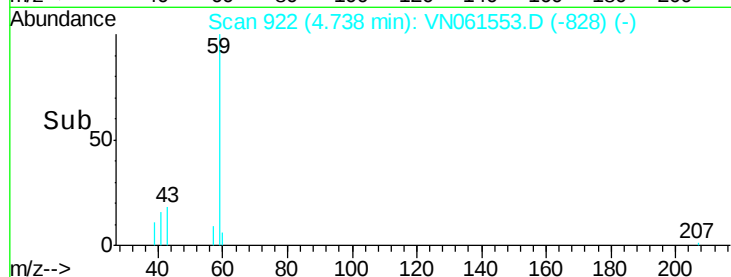
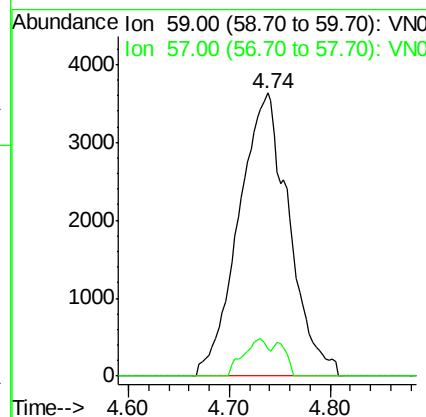
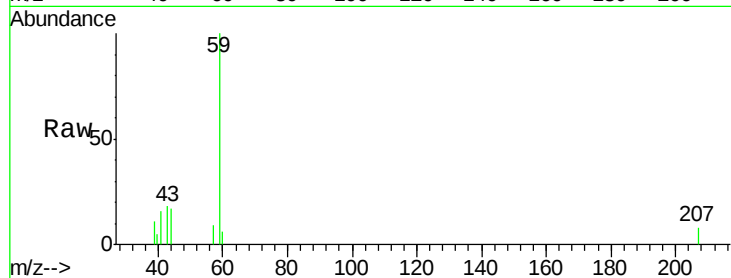
#11
Tert butyl alcohol
Concen: 27.381 ug/l
RT: 4.74 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion: 59 Resp: 12559
Ion Ratio Lower Upper
59 100
57 6.6 8.4 12.6#

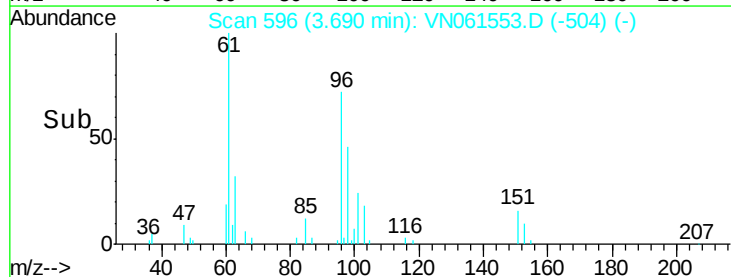
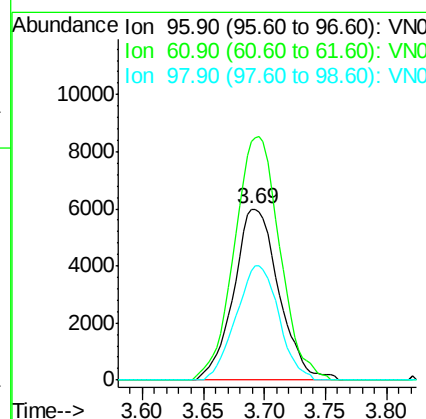
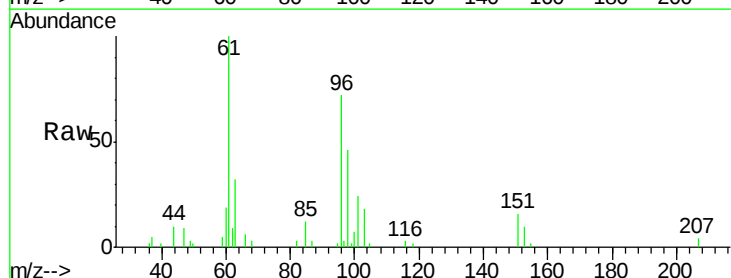
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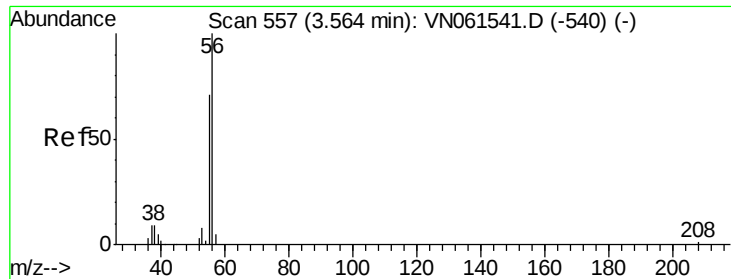
MMDadoda
5/29/2020 5:50:35 PM



#12
1,1-Dichloroethene
Concen: 5.199 ug/l
RT: 3.69 min Scan# 596
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion: 96 Resp: 15377
Ion Ratio Lower Upper
96 100
61 139.0 120.5 180.7
98 64.0 50.8 76.2





#13

Acrolein

Concen: 46.406 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.01 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 56 Resp: 8161

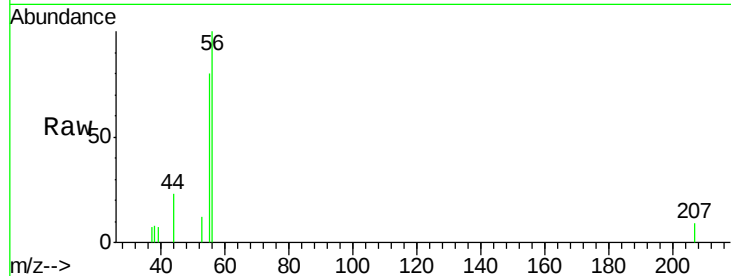
Ion Ratio Lower Upper

56 100

55 73.8 58.0 87.0

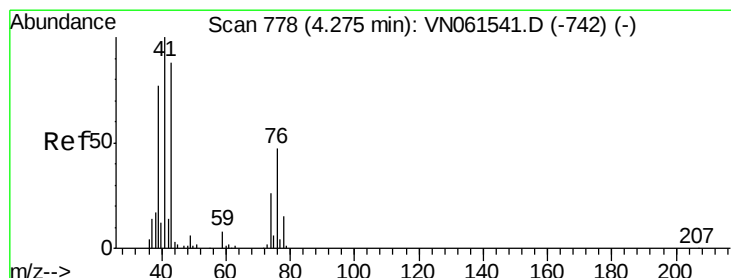
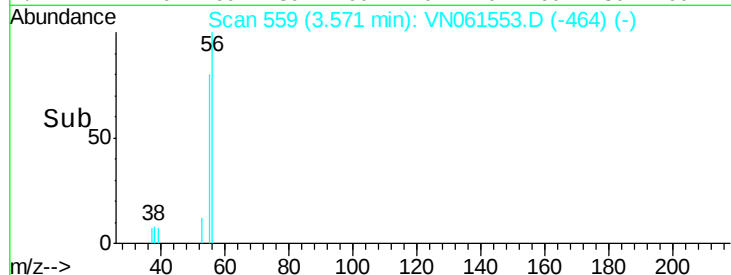
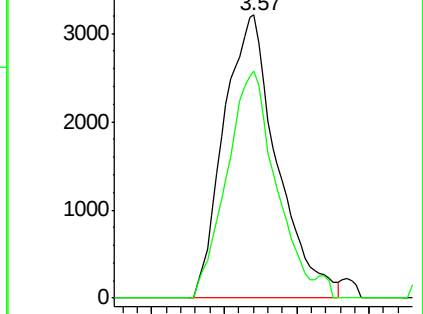
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Abundance Ion 56.00 (55.70 to 56.70): VN061553.D (-464) (-)

Ion 55.00 (54.70 to 55.70): VN061553.D (-464) (-)



#14

Allyl chloride

Concen: 5.337 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

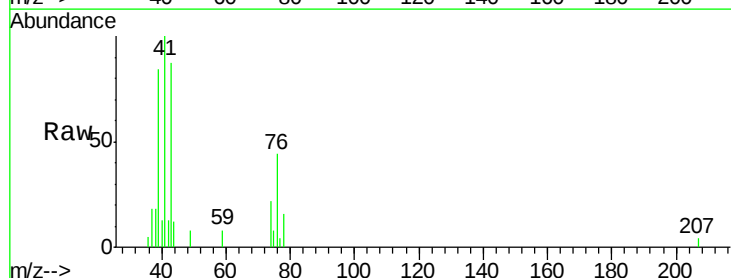
Tgt Ion: 41 Resp: 20634

Ion Ratio Lower Upper

41 100

39 75.3 58.6 88.0

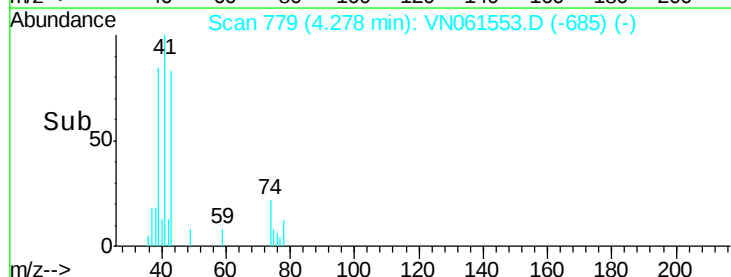
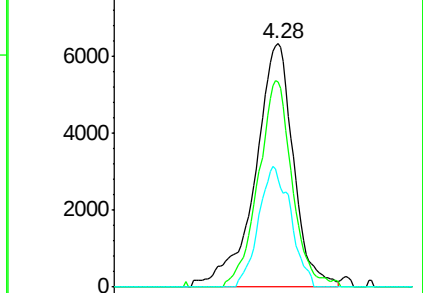
76 41.4 34.2 51.4

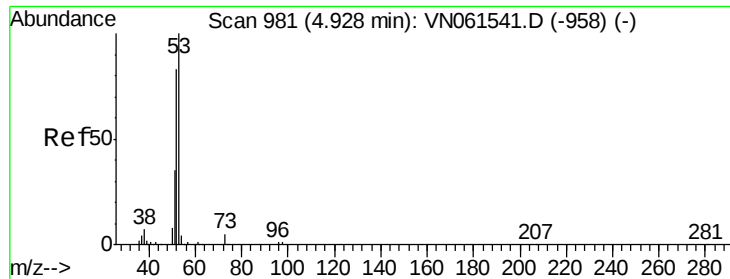


Abundance Ion 41.00 (40.70 to 41.70): VN061553.D (-685) (-)

Ion 39.00 (38.70 to 39.70): VN061553.D (-685) (-)

Ion 75.90 (75.60 to 76.60): VN061553.D (-685) (-)





#15

Acrylonitrile

Concen: 25.902 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

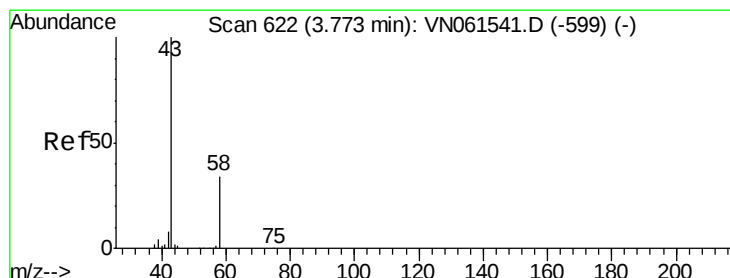
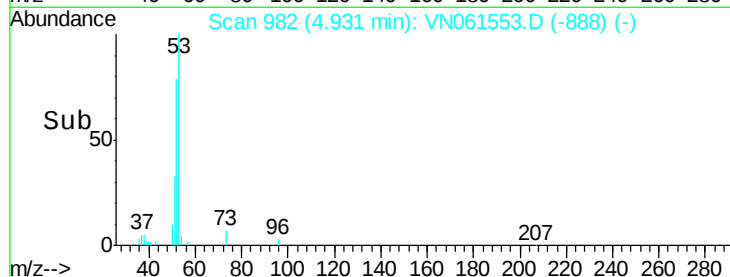
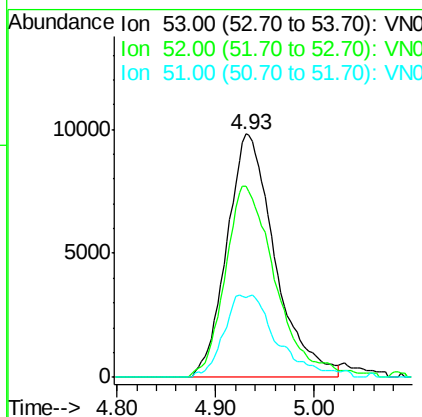
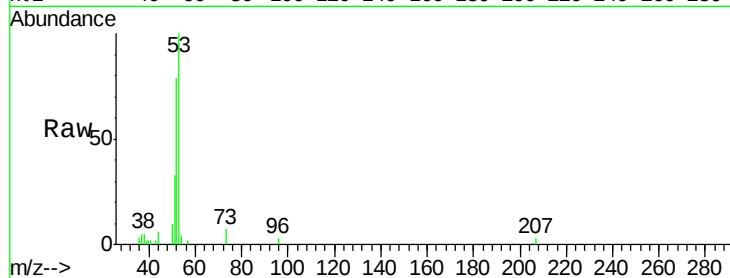
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	53	Resp:	33161
Ion Ratio	Lower	Upper	
53	100		
52	82.5	65.4	98.2
51	16.1	29.0	43.6#

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#16

Acetone

Concen: 24.635 ug/l

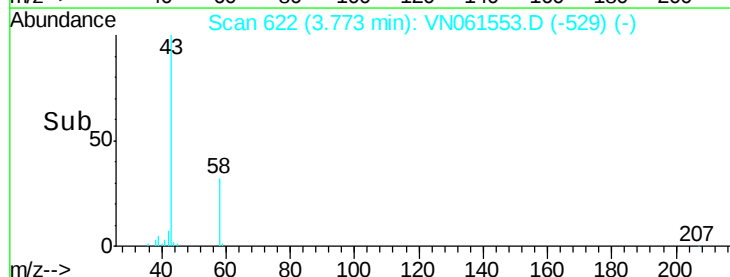
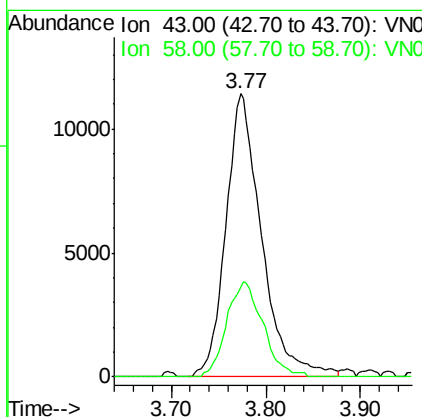
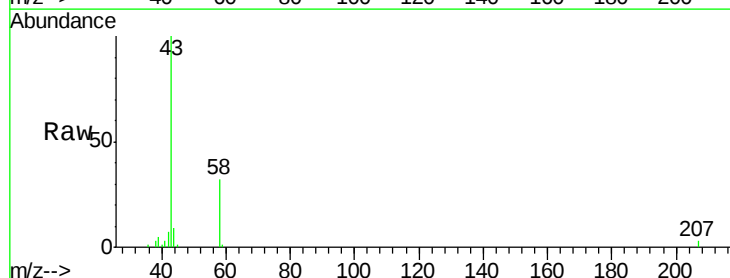
RT: 3.77 min Scan# 622

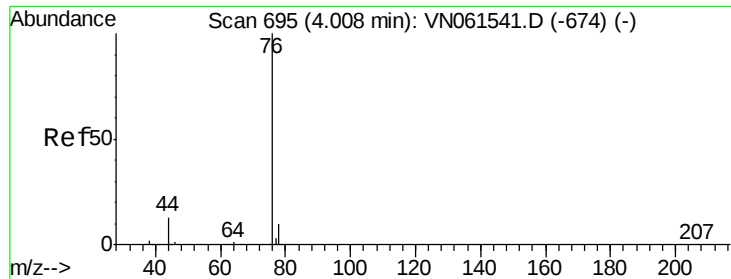
Delta R.T. 0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Tgt Ion:	43	Resp:	30047
Ion Ratio	Lower	Upper	
43	100		
58	32.0	27.2	40.8





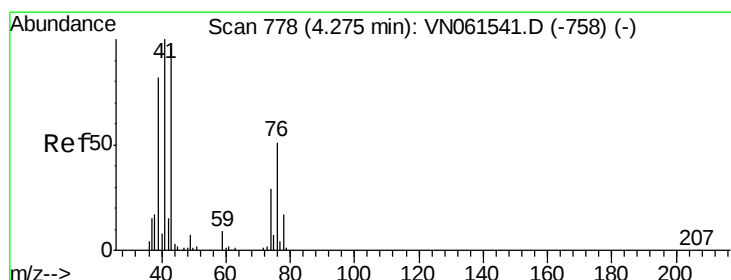
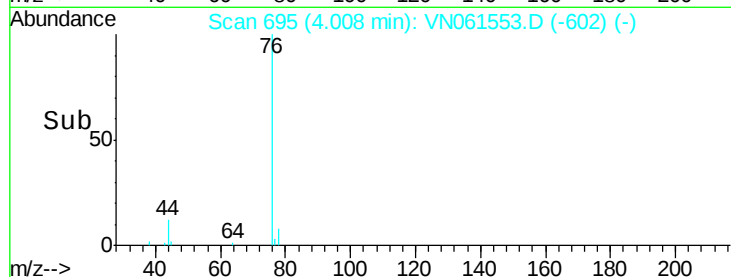
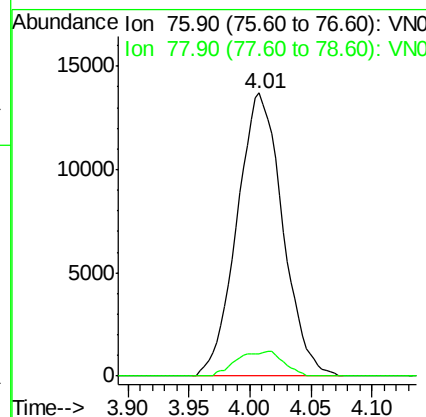
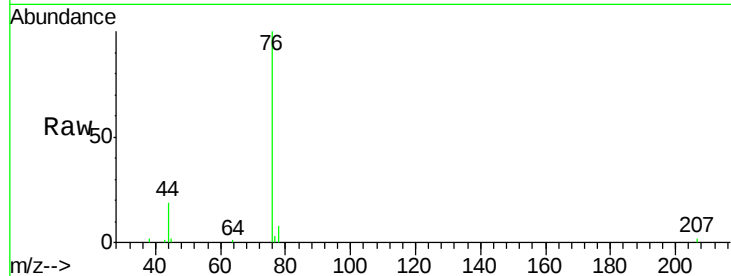
#17
Carbon Disulfide
Concen: 5.457 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion: 76 Resp: 35510
Ion Ratio Lower Upper
76 100
78 8.0 7.8 11.6

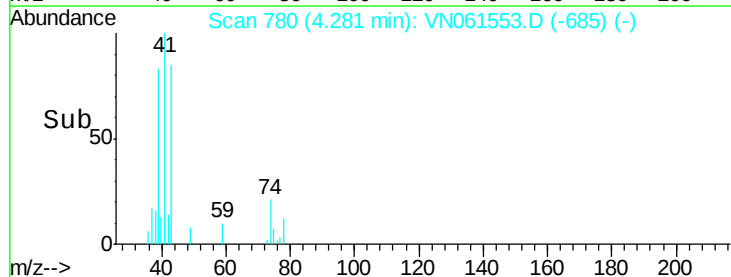
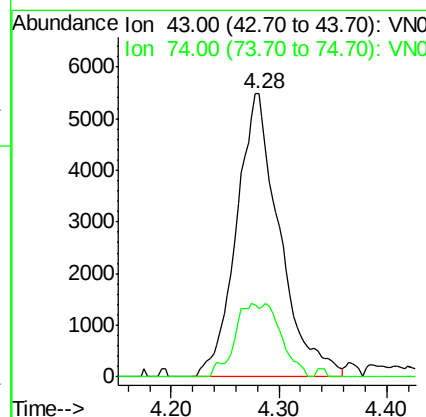
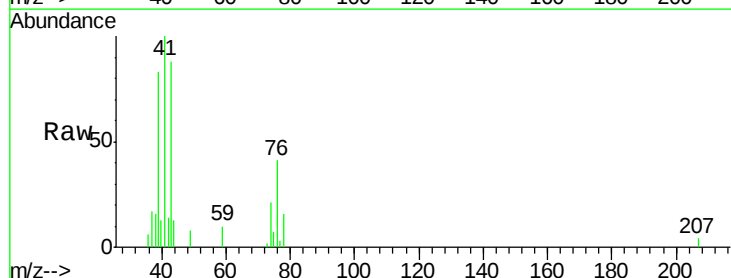
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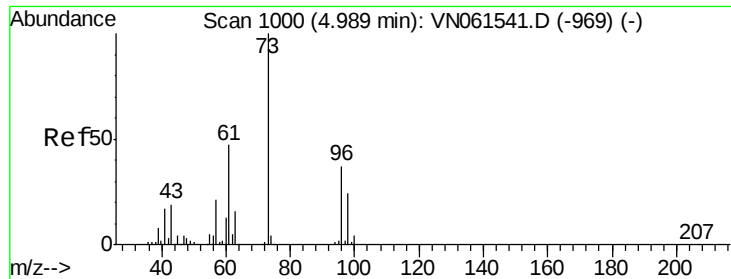
MMDadoda
5/29/2020 5:50:35 PM



#18
Methyl Acetate
Concen: 4.901 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion: 43 Resp: 15300
Ion Ratio Lower Upper
43 100
74 14.7 23.2 34.8#





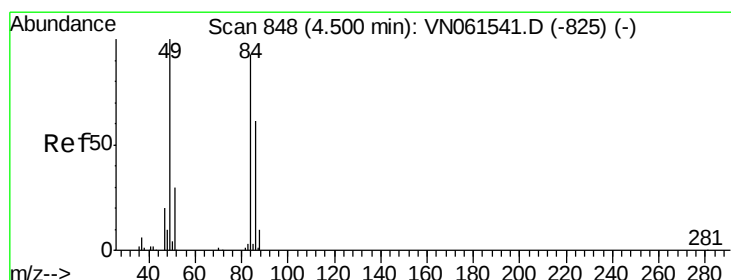
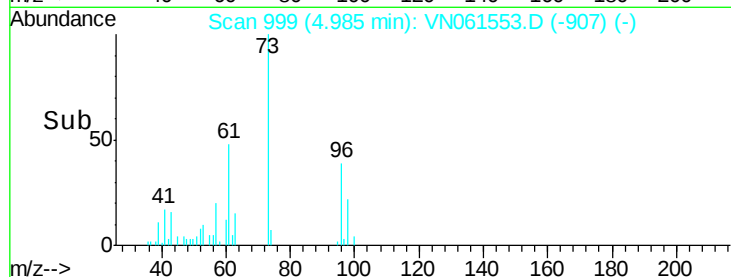
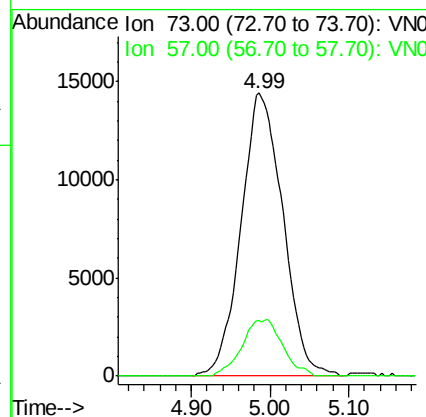
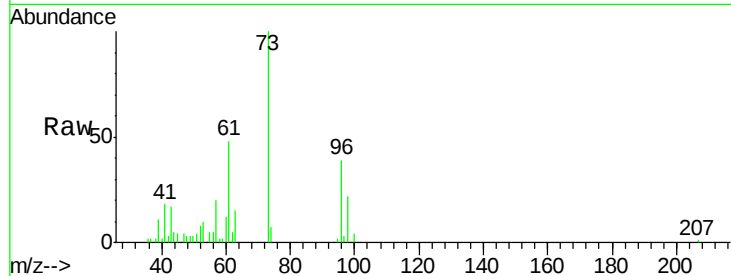
#19
Methvl tert-butvl Ether
Concen: 5.349 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion: 73 Resp: 53917
Ion Ratio Lower Upper
73 100
57 19.6 16.4 24.6

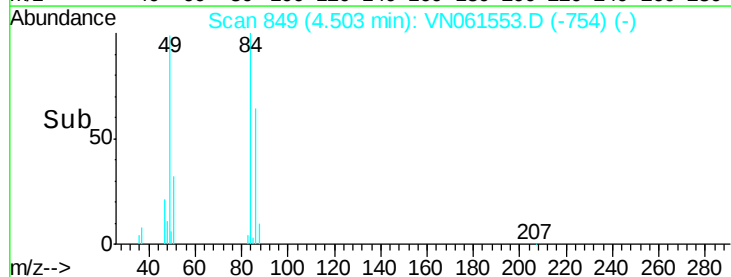
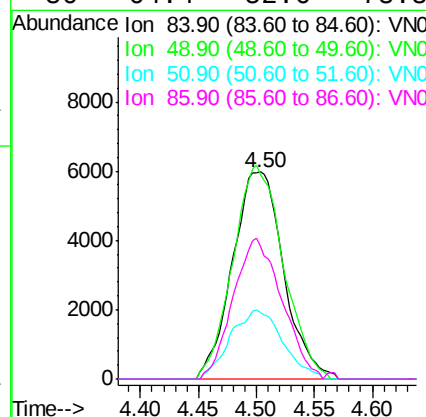
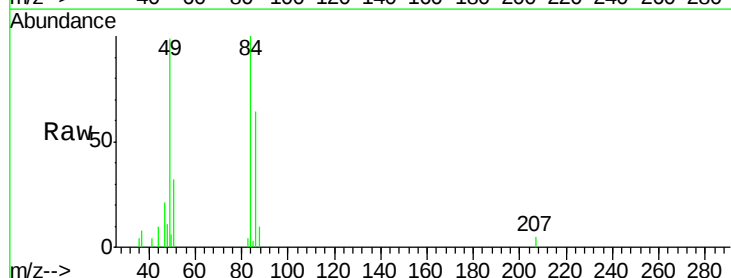
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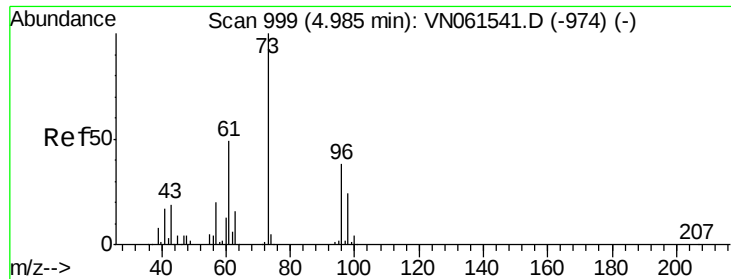
MMDadoda
5/29/2020 5:50:35 PM



#20
Methylene Chloride
Concen: 4.341 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion: 84 Resp: 18353
Ion Ratio Lower Upper
84 100
49 98.8 85.8 128.8
51 32.2 26.2 39.2
86 64.4 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 5.003 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

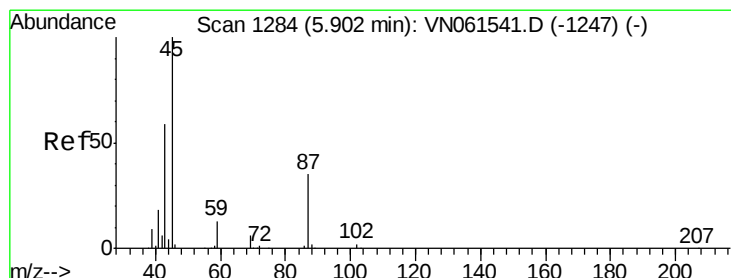
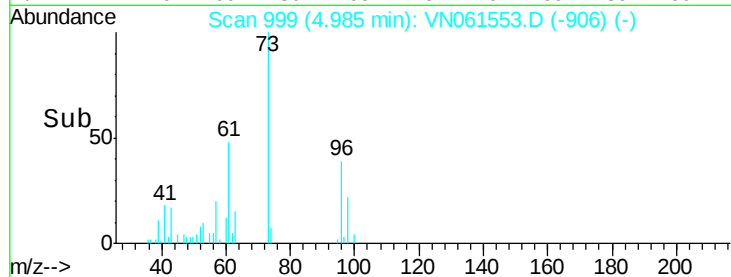
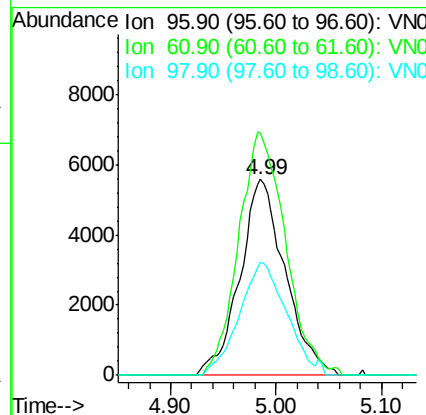
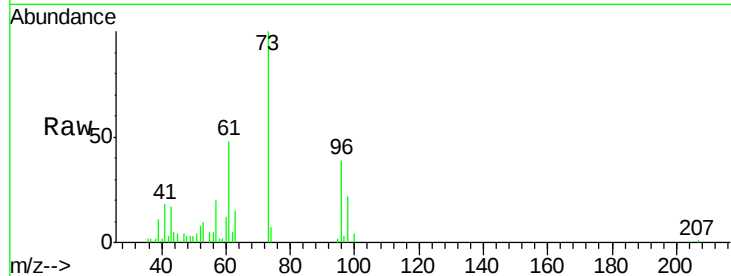
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	96	Resp:	16686
Ion	Ratio	Lower	Upper
96	100		
61	123.5	101.4	152.0
98	57.9	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 5.381 ug/l

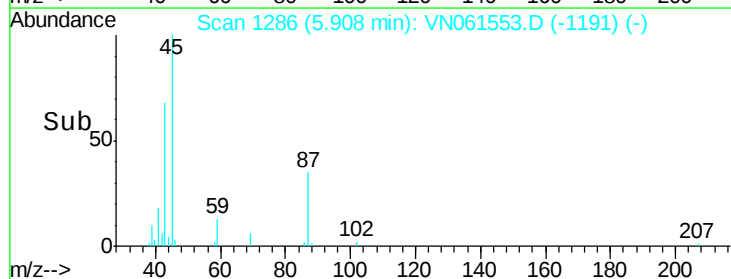
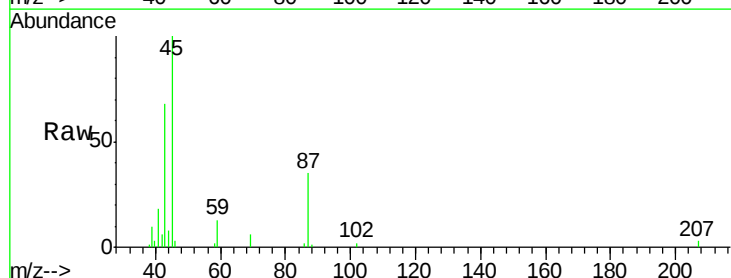
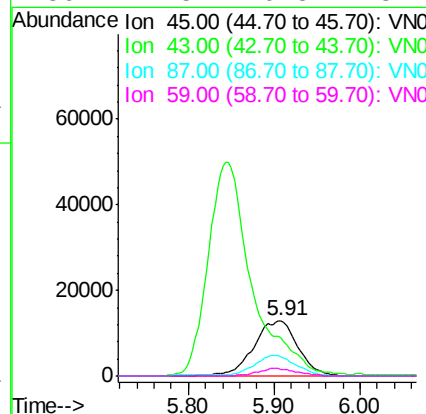
RT: 5.91 min Scan# 1286

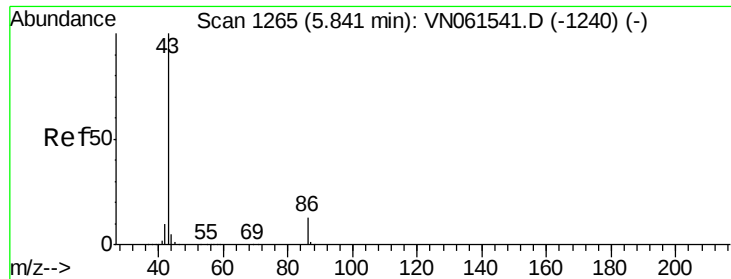
Delta R.T. 0.01 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Tgt Ion:	45	Resp:	45853
Ion	Ratio	Lower	Upper
45	100		
43	64.0	47.9	71.9
87	35.4	28.4	42.6
59	12.5	10.5	15.7





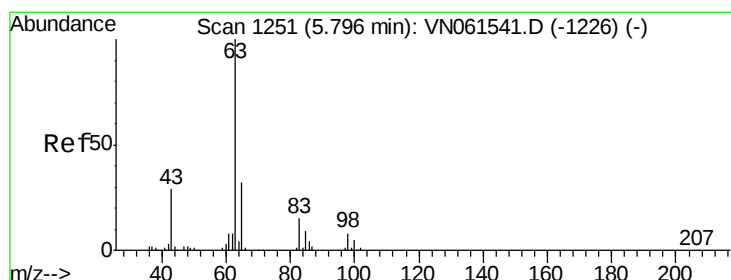
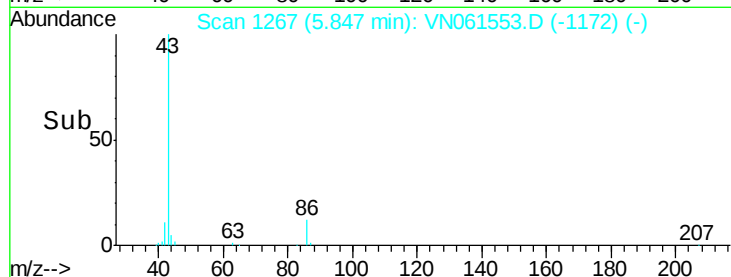
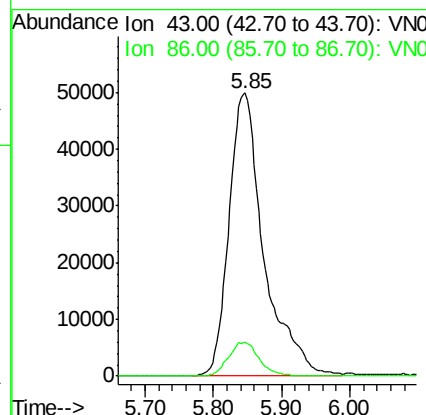
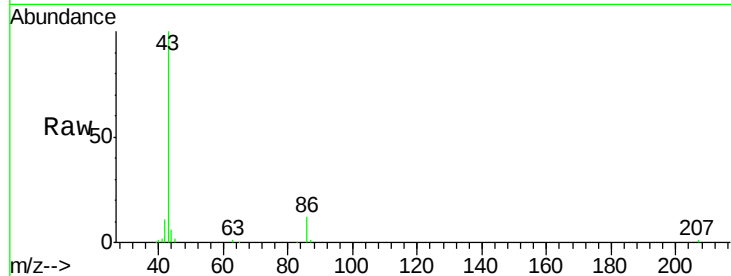
#23
 Vinyl Acetate
 Concen: 26.181 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion: 43 Resp: 177825
 Ion Ratio Lower Upper
 43 100
 86 11.8 10.6 16.0

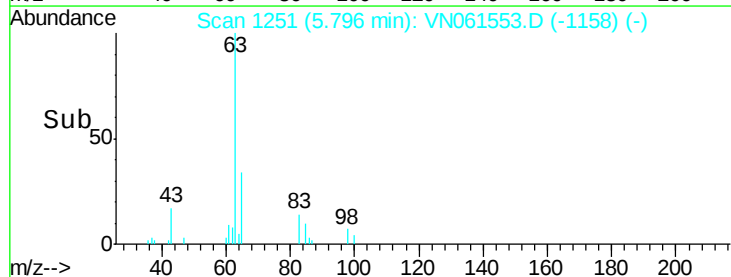
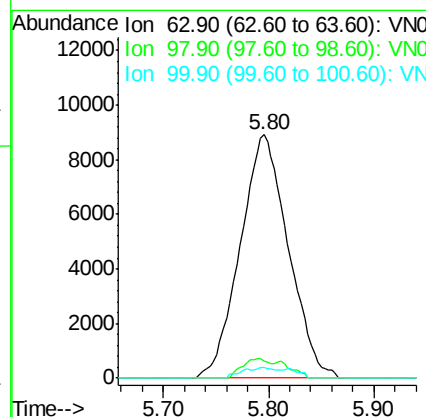
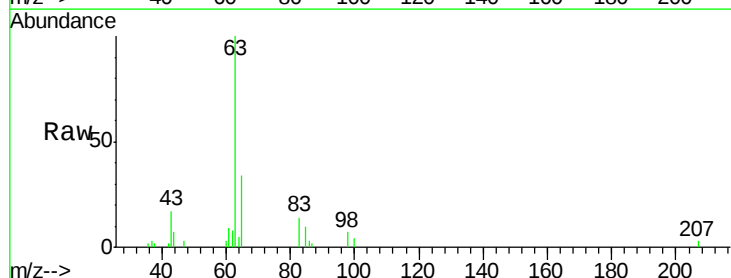
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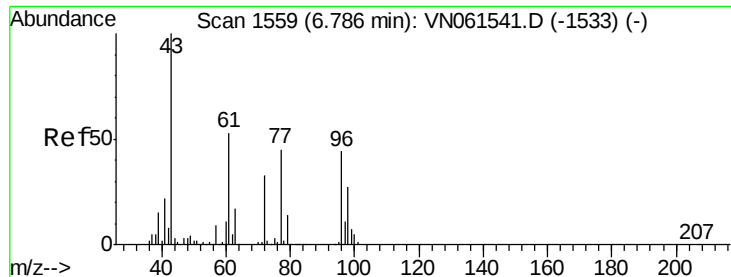
MMDadoda
 5/29/2020 5:50:35 PM



#24
 1,1-Dichloroethane
 Concen: 5.224 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Tgt Ion: 63 Resp: 28229
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.8 11.4
 100 4.5 2.5 7.6





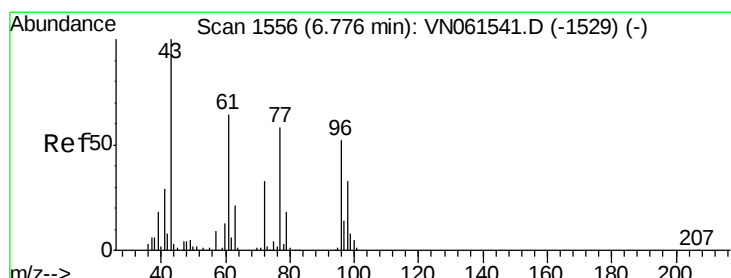
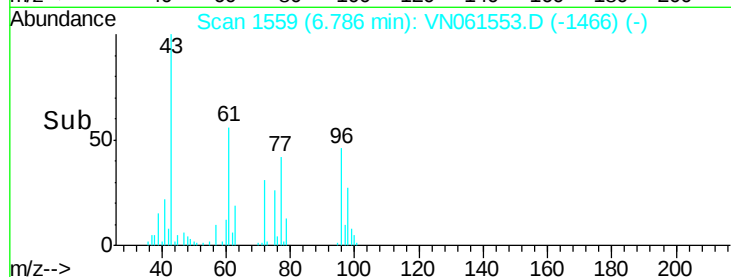
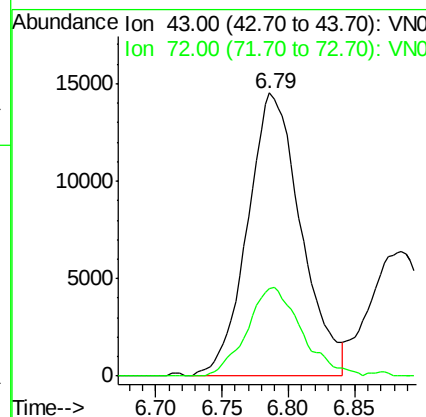
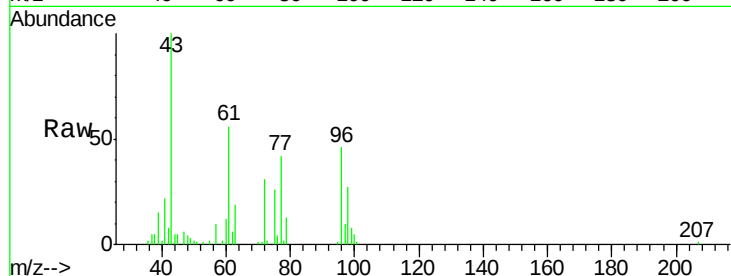
#25
2-Butanone
Concen: 25.053 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion: 43 Resp: 40944
Ion Ratio Lower Upper
43 100
72 31.1 26.0 39.0

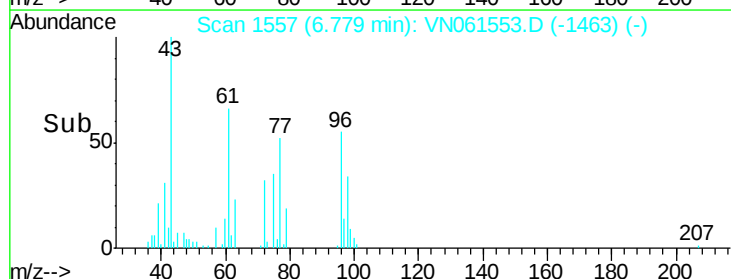
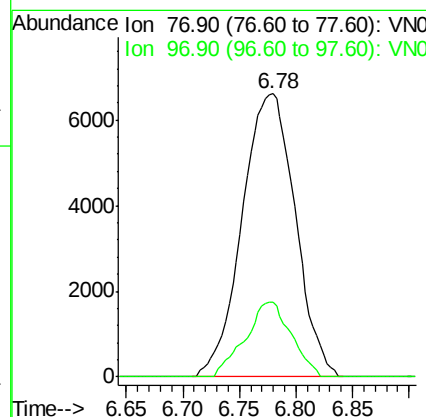
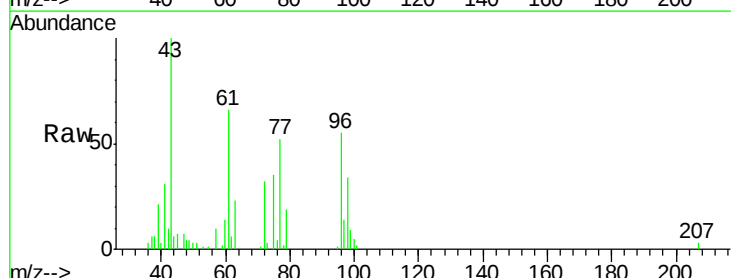
Manual Integrations
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5/29/2020 5:50:35 PM



#26
2,2-Dichloropropane
Concen: 4.359 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. 0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion: 77 Resp: 21560
Ion Ratio Lower Upper
77 100
97 22.9 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 5.424 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

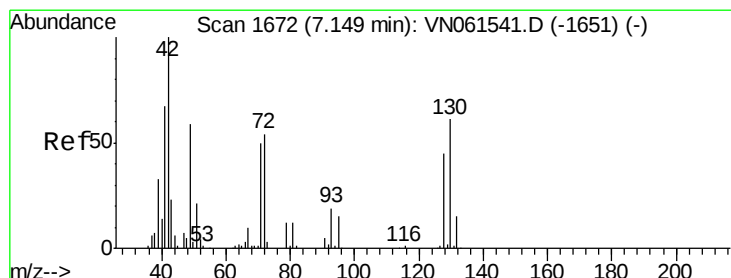
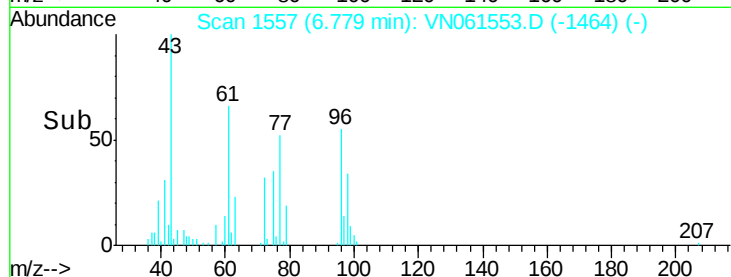
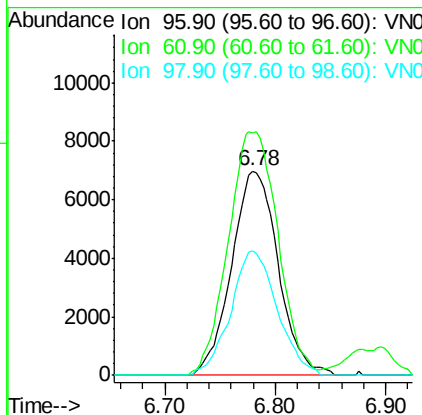
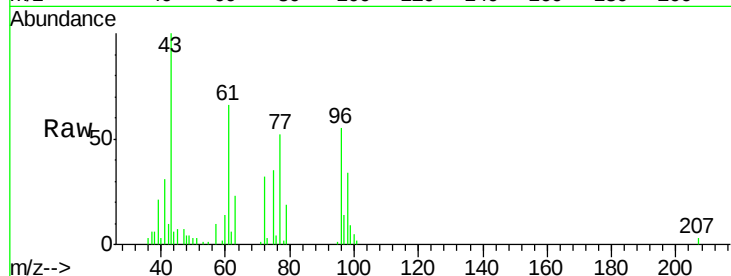
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	96	Resp:	20485
Ion	Ratio	Lower	Upper
96	100		
61	126.9	0.0	252.2
98	60.7	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 2.385 ug/l

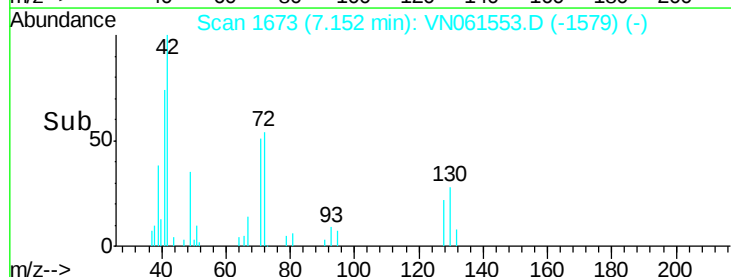
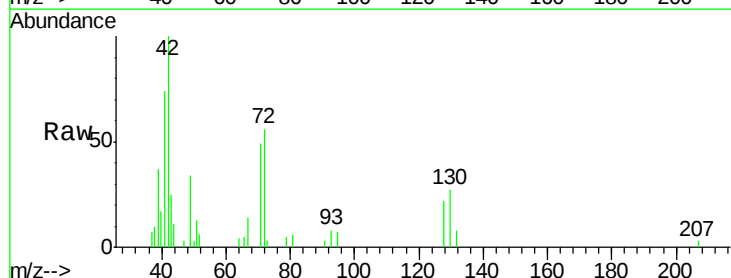
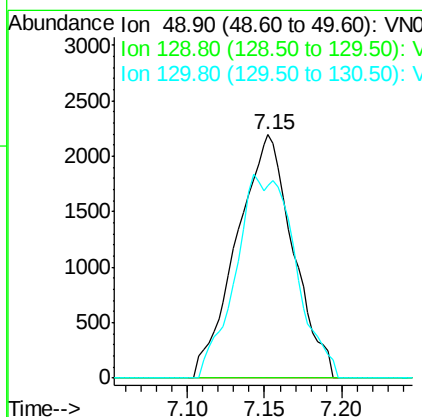
RT: 7.15 min Scan# 1673

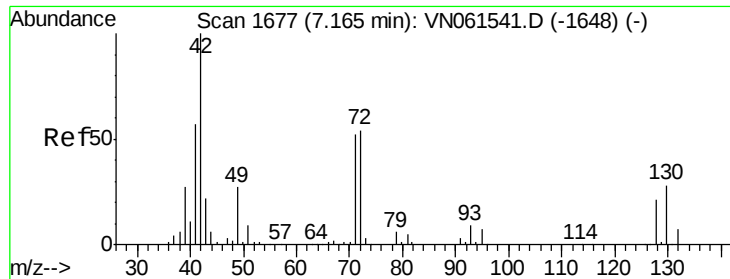
Delta R.T. 0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Tgt Ion:	49	Resp:	5561
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	43.5	78.8	118.2#





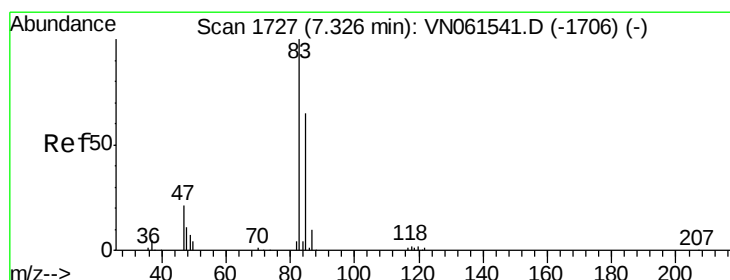
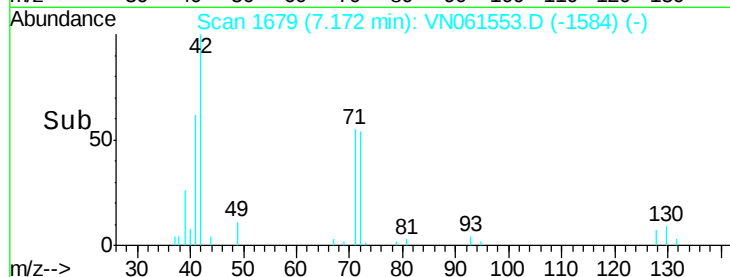
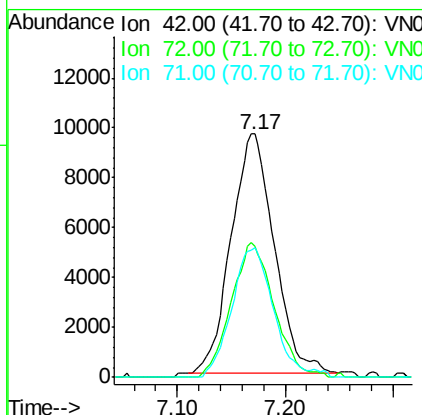
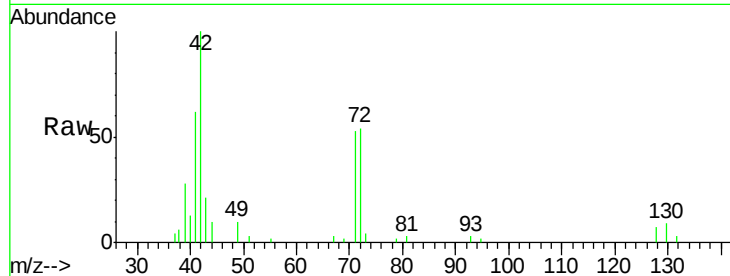
#29
Tetrahydrofuran
Concen: 24.841 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.7	43.6	65.4
71	51.4	41.2	61.8

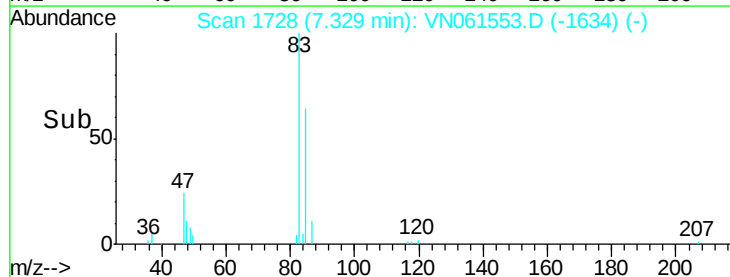
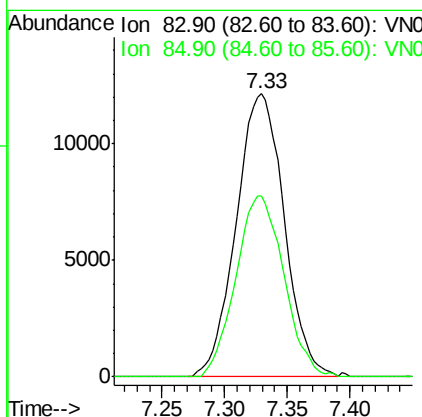
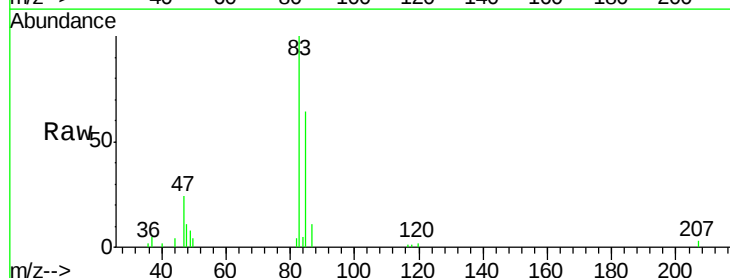
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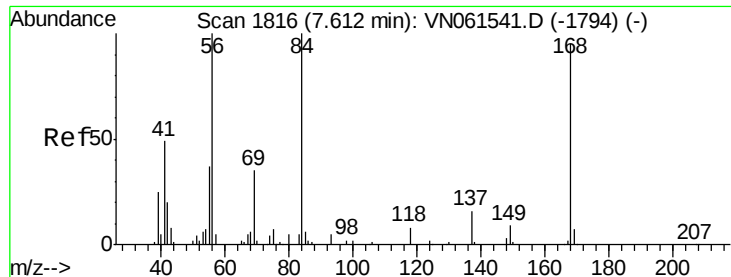
MMDadoda
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#30
Chloroform
Concen: 5.395 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.7	77.5





#31

Cyclohexane

Concen: 5.559 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

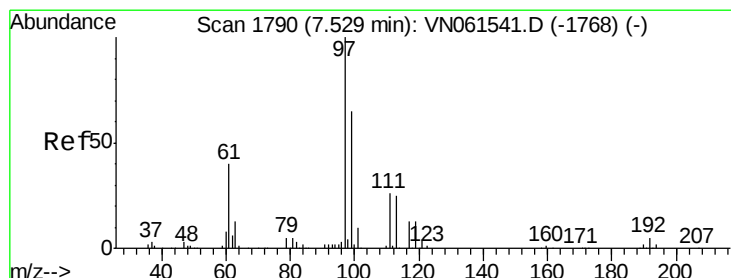
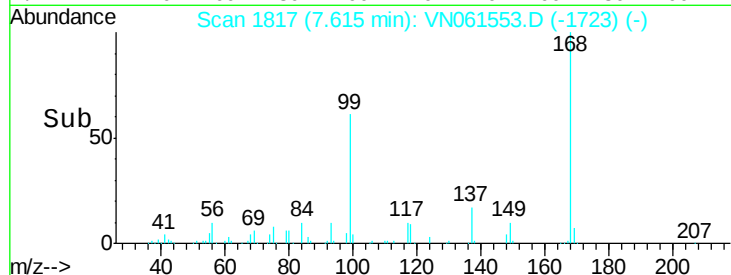
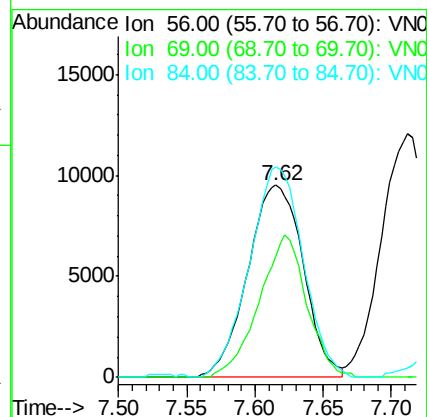
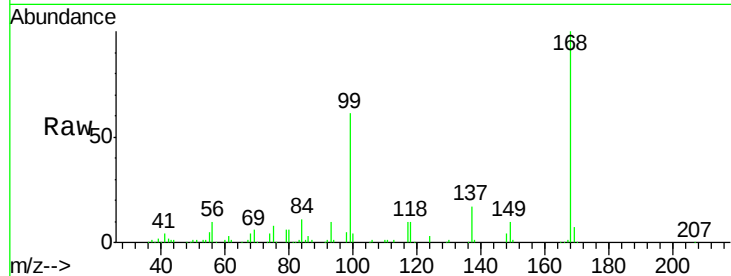
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	56	Resp:	27015
Ion Ratio	Lower	Upper	
56	100		
69	63.0	27.8	41.8#
84	109.6	79.9	119.9

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#32

1,1,1-Trichloroethane

Concen: 5.165 ug/l

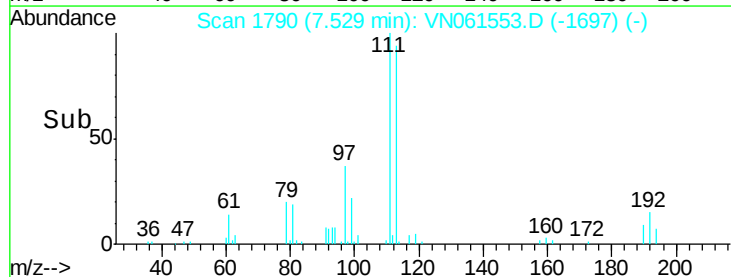
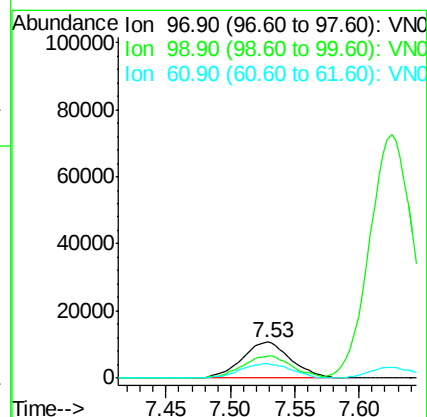
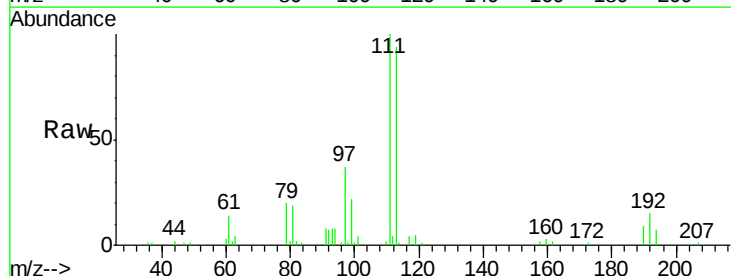
RT: 7.53 min Scan# 1790

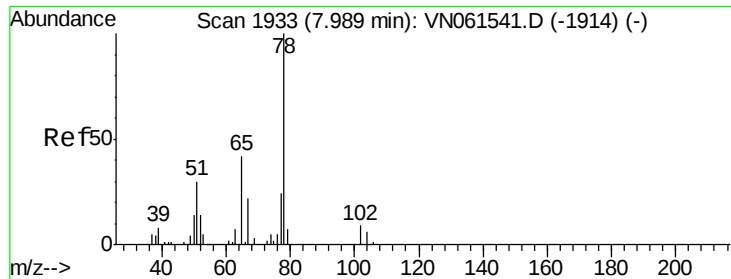
Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Tgt Ion:	97	Resp:	28137
Ion Ratio	Lower	Upper	
97	100		
99	62.4	51.4	77.0
61	41.9	31.4	47.0





#33

1,2-Dichloroethane-d4

Concen: 56.793 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 65 Resp: 195845

Ion Ratio Lower Upper

65 100

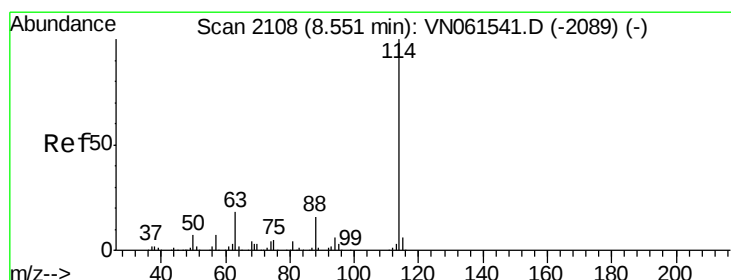
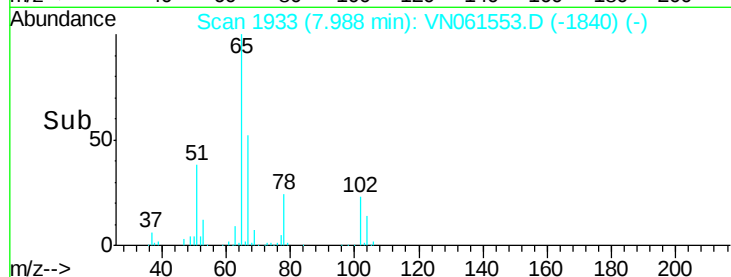
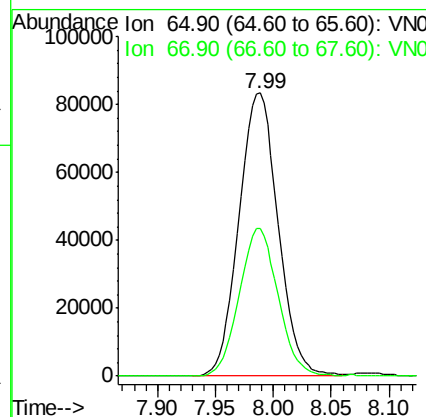
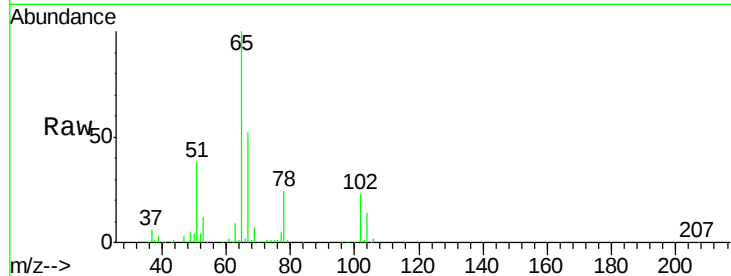
67 51.7 0.0 104.8

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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: VN061553.D

Acq: 29 May 2020 00:46

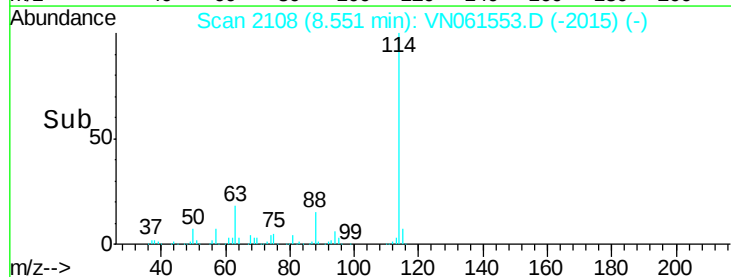
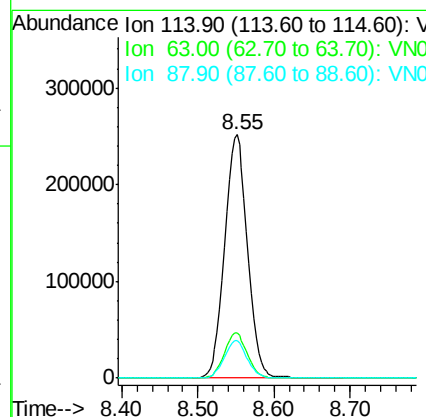
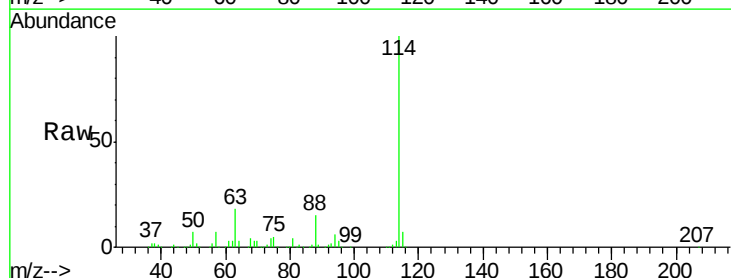
Tgt Ion: 114 Resp: 525665

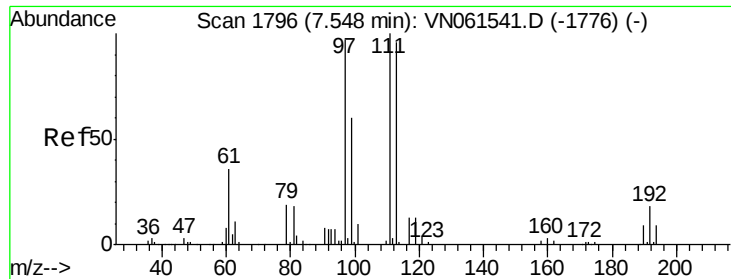
Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.8

88 15.2 0.0 31.0





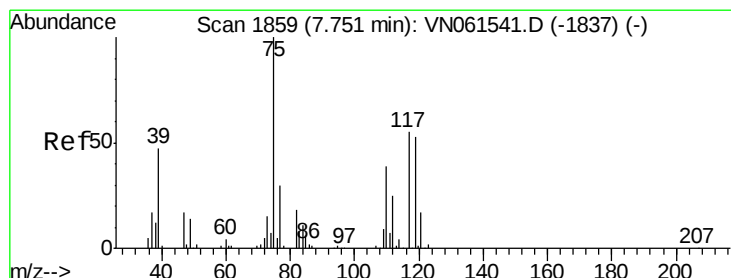
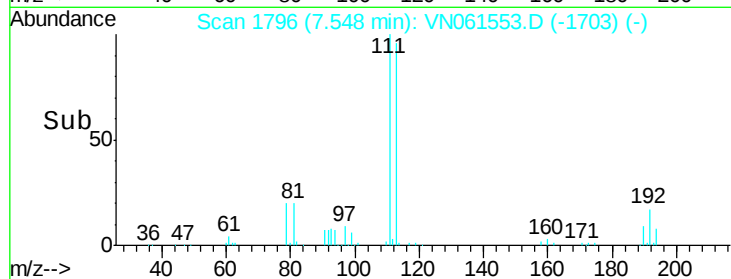
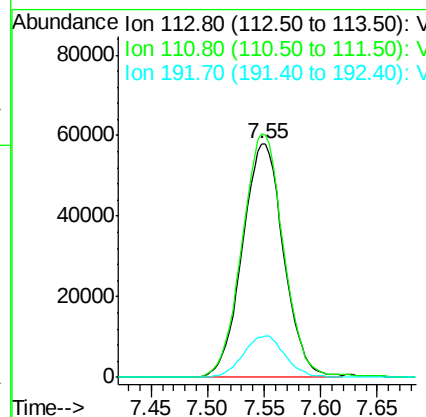
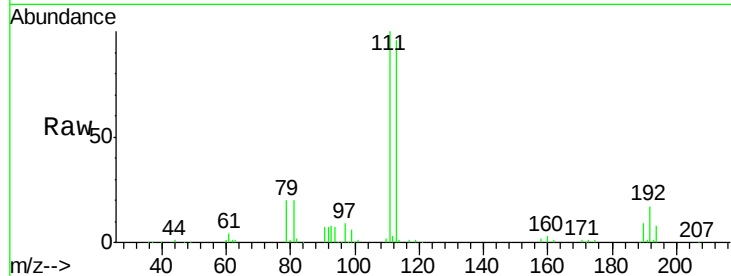
#35
 Dibromofluoromethane
 Concen: 55.242 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	147309		
111	104.3		83.4	125.0
192	18.0		15.4	23.2

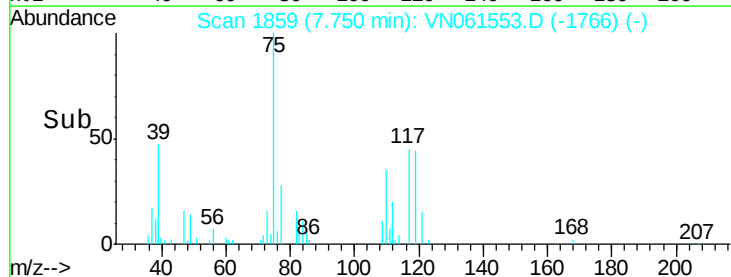
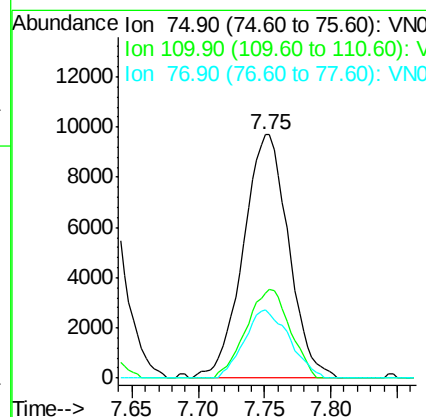
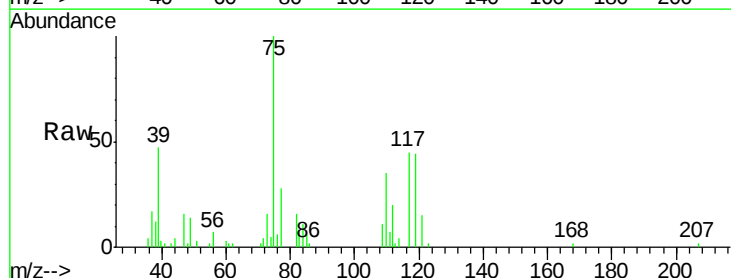
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 4.953 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23048		
110	35.2		19.5	58.5
77	27.8		24.7	37.1





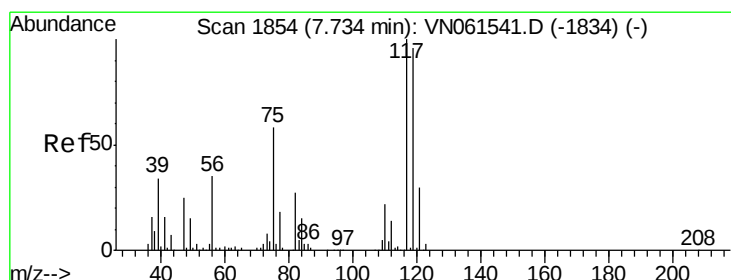
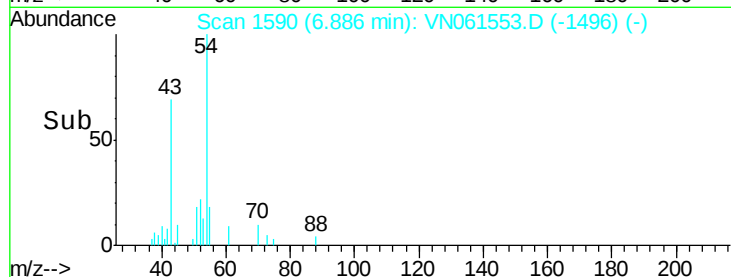
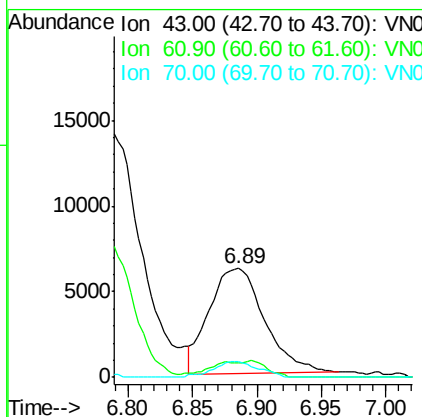
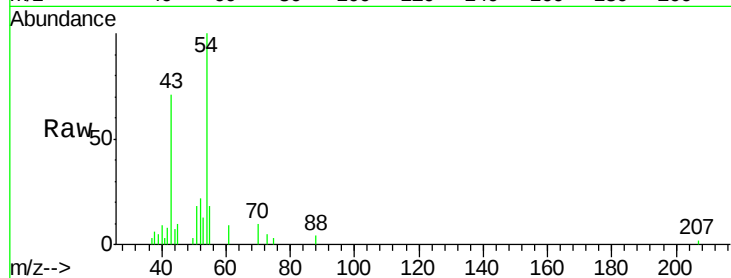
#37
Ethyl Acetate
Concen: 4.920 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	5.2	12.2	18.4#
70	12.2	9.4	14.2

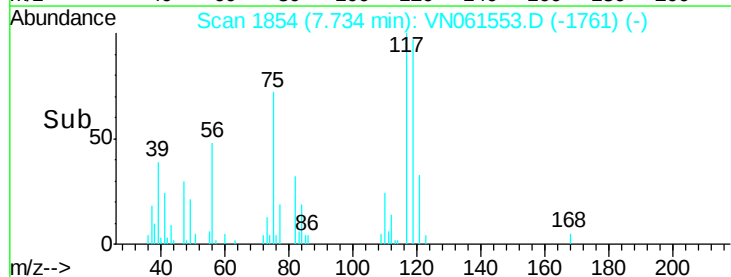
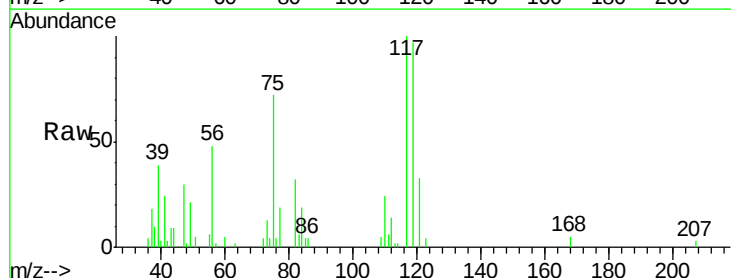
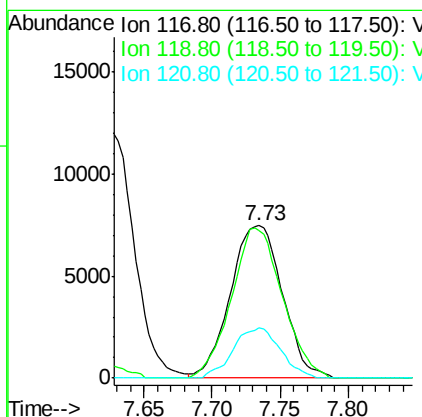
Manual Integrations
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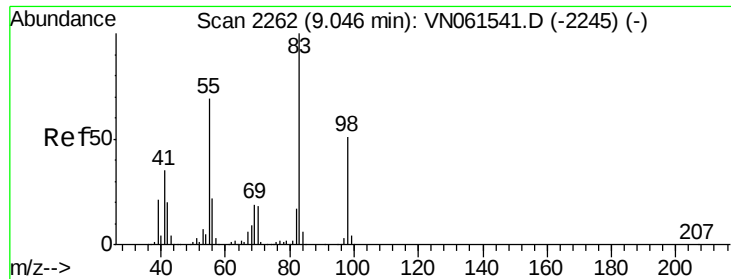
MMDadoda
5/29/2020 5:50:35 PM



#38
Carbon Tetrachloride
Concen: 4.427 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.5	114.7
121	32.7	24.1	36.1





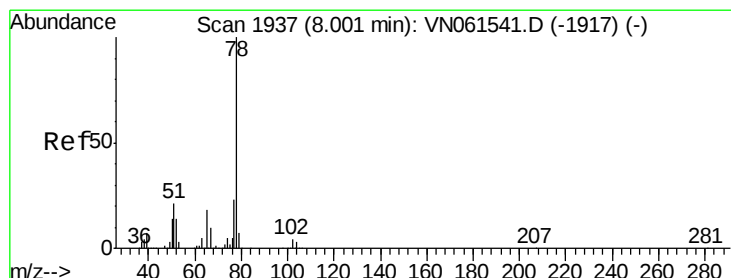
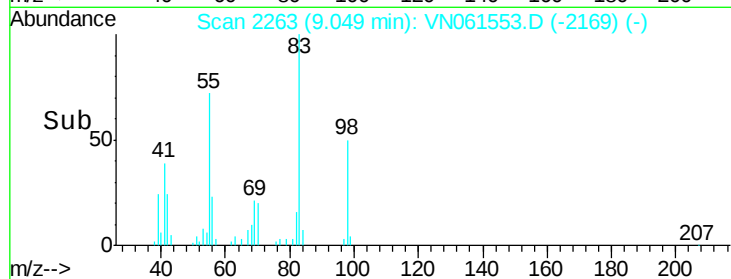
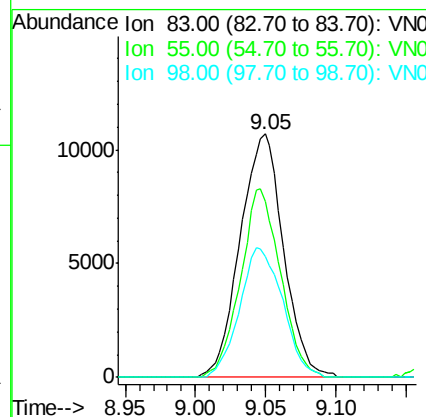
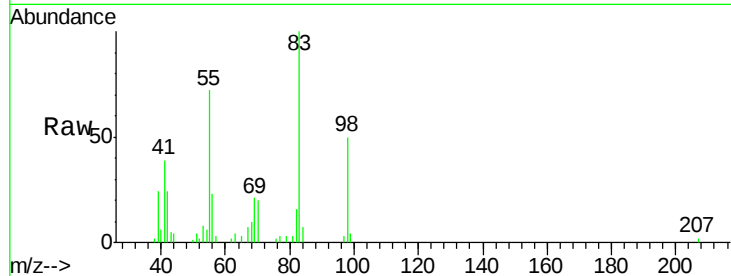
#39
Methvlcvclohexane
Concen: 4.009 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.1	54.9	82.3
98	49.5	41.0	61.4

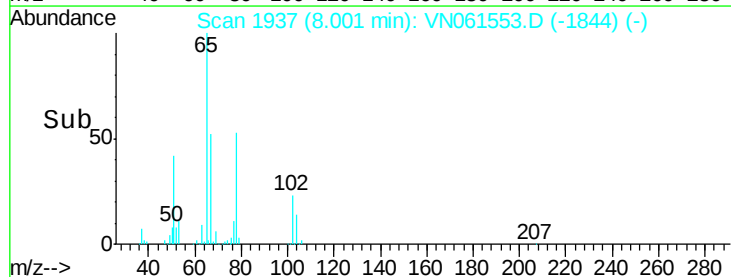
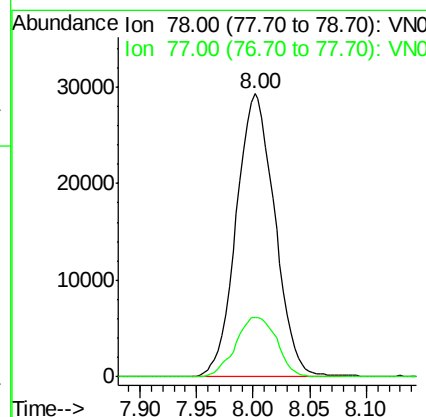
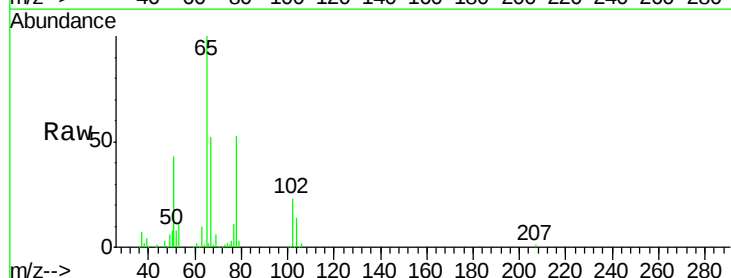
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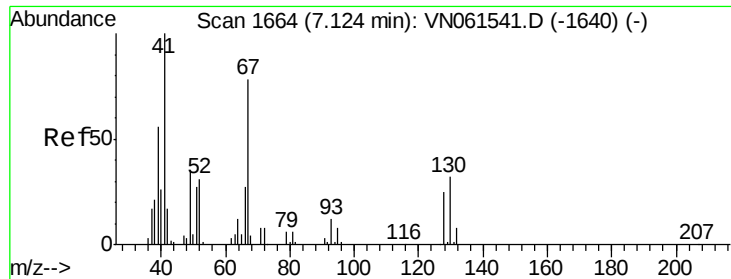
MMDadoda
5/29/2020 5:50:35 PM



#40
Benzene
Concen: 4.844 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.0	18.6	28.0





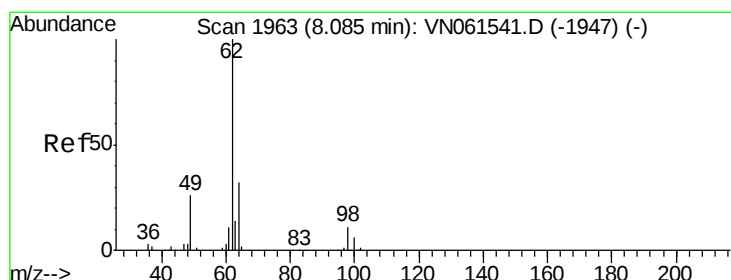
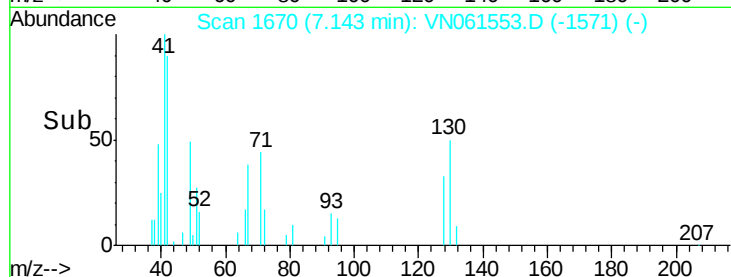
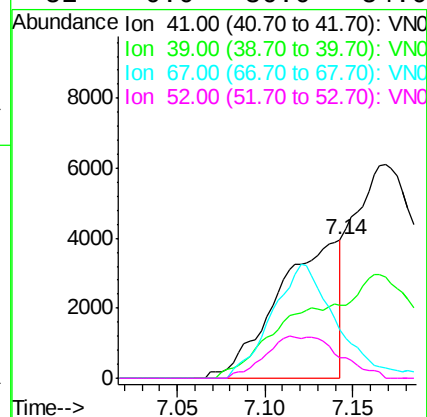
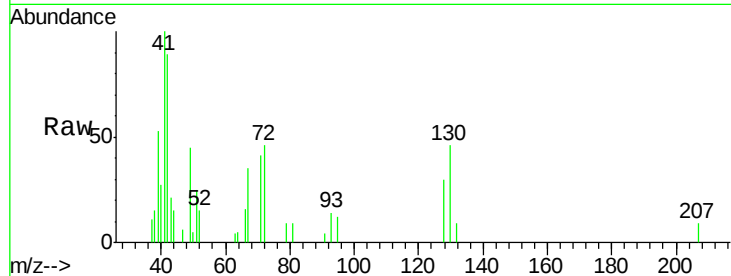
#41
Methacrylonitrile
Concen: 5.707 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. 0.02 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
41	100		
39	68.0	53.8	80.6
67	0.0	91.1	136.7#
52	0.0	36.0	54.0#

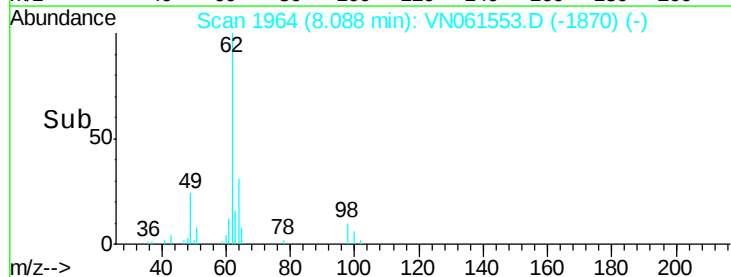
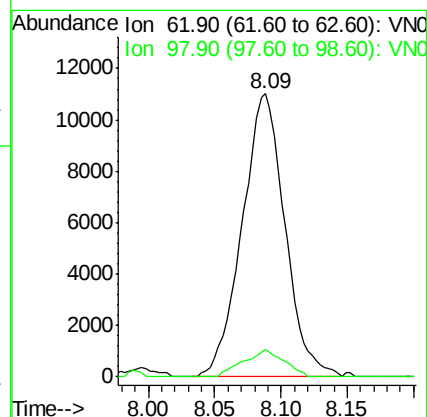
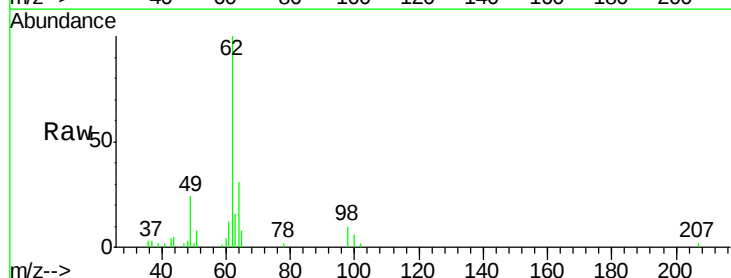
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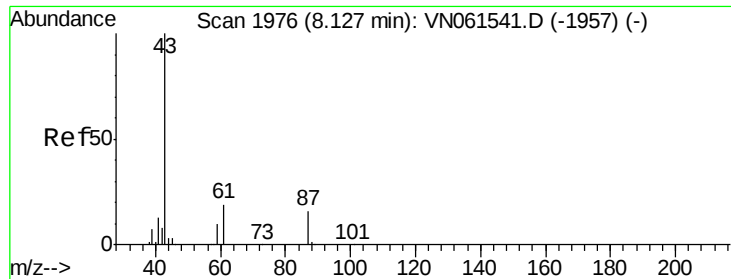
MMDadoda
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#42
1,2-Dichloroethane
Concen: 5.143 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	21.4





#43

Isopropyl Acetate

Concen: 4.754 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

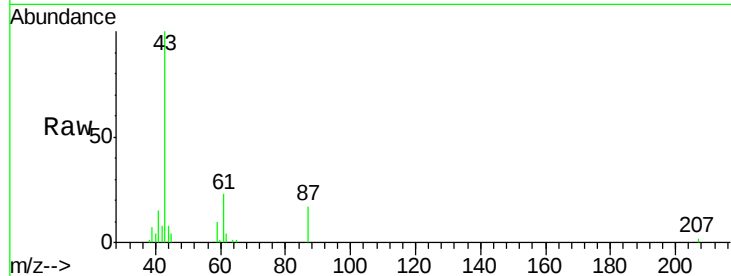
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	43	Resp:	32057
Ion	Ratio	Lower	Upper
43	100		
61	30.0	23.6	35.4
87	15.7	13.0	19.6

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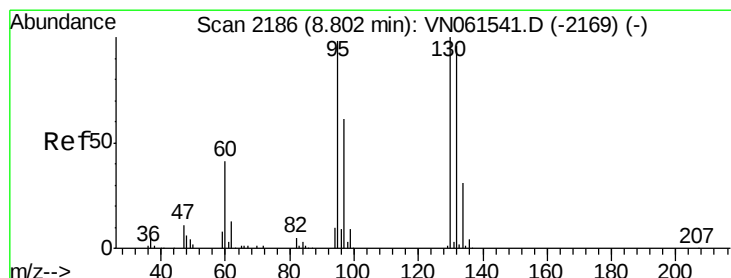
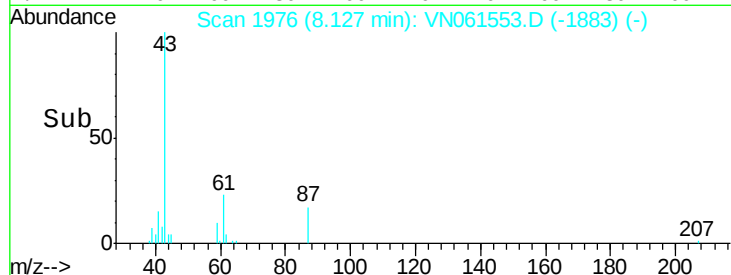


Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-1957) (-)

Ion 61.00 (60.70 to 61.70): VN061541.D (-1957) (-)

Ion 87.00 (86.70 to 87.70): VN061541.D (-1957) (-)

Time-->



#44

Trichloroethene

Concen: 4.481 ug/l

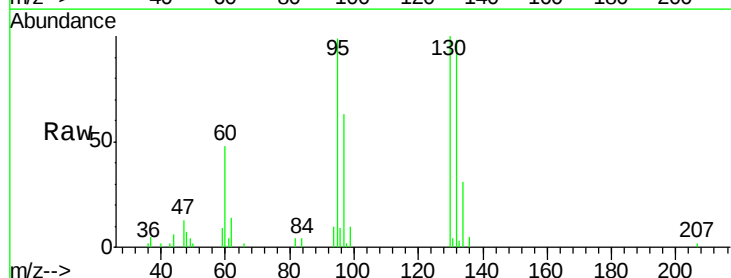
RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

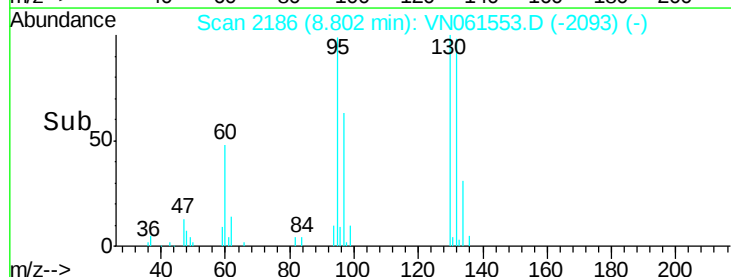
Tgt Ion:	130	Resp:	19775
Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	196.6



Abundance Ion 129.80 (129.50 to 130.50): VN061541.D (-2169) (-)

Ion 94.90 (94.60 to 95.60): VN061541.D (-2169) (-)

Time-->





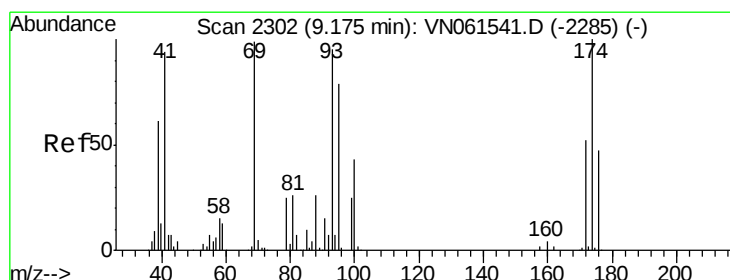
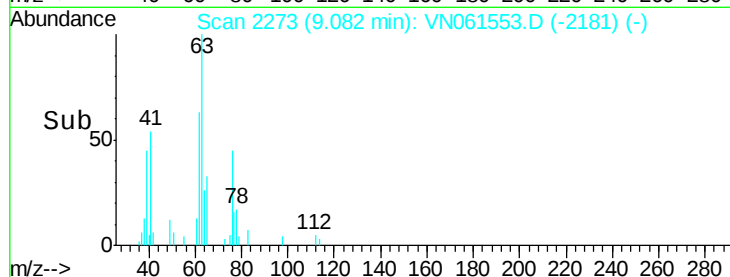
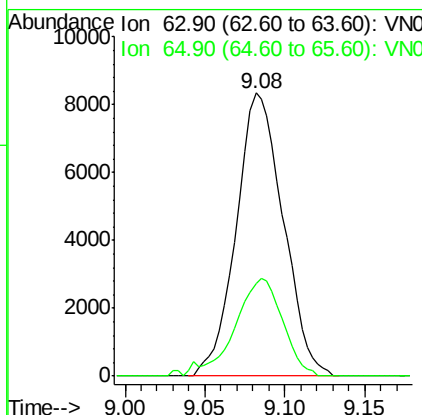
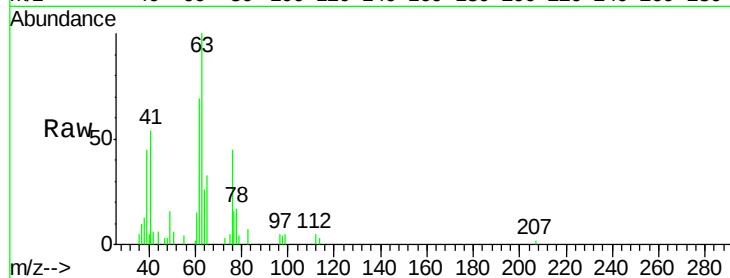
#45
 1,2-Dichloropropane
 Concen: 4.908 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	63	Resp	16733
Ion Ratio	Lower	Upper	
63	100		
65	32.5	24.7	37.1

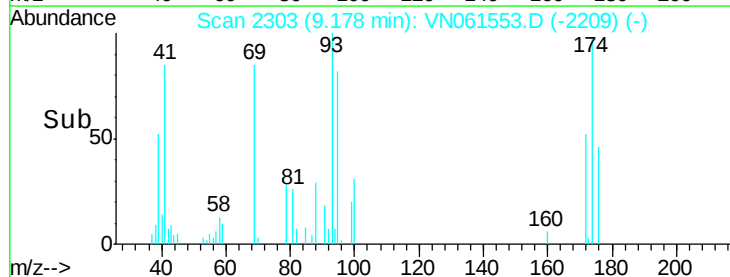
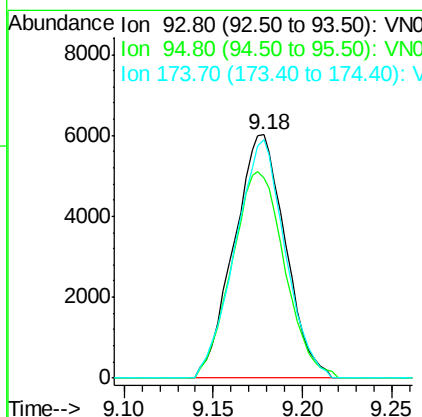
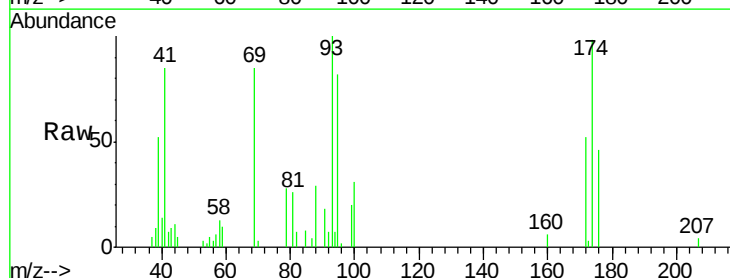
Manual Integrations
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#46
 Dibromomethane
 Concen: 4.622 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Tgt Ion	93	Resp	12085
Ion Ratio	Lower	Upper	
93	100		
95	87.1	66.0	99.0
174	95.2	82.5	123.7





#47

Bromodichloromethane

Concen: 4.789 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

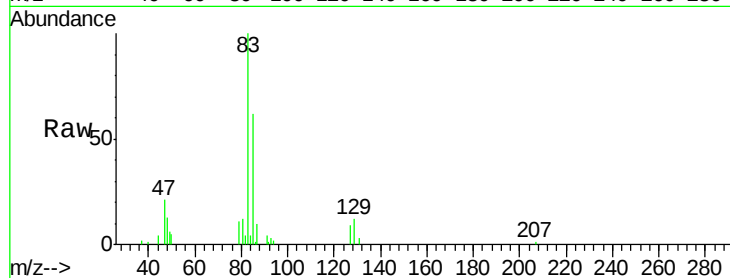
ClientSampleId :

LOQ-WATER-02-QT2-2020

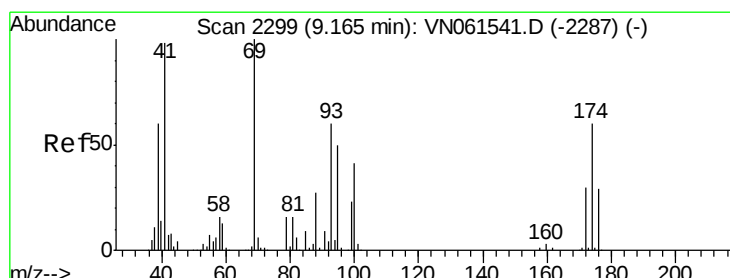
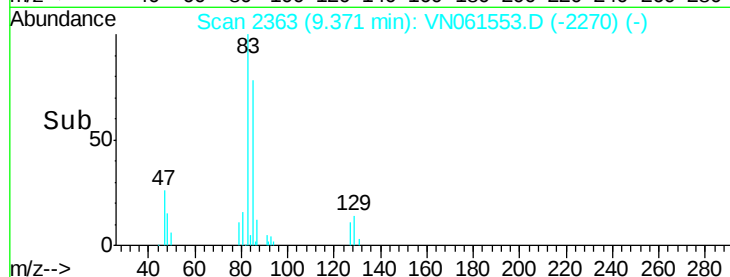
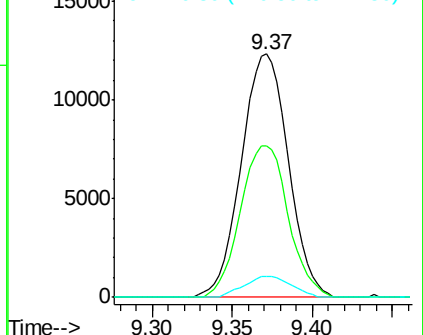
Tot Ion:	83	Resp:	24810
Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.1	76.7
127	8.7	7.2	10.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN061553.D (-2270) (-)



#48

Methyl methacrylate

Concen: 4.596 ug/l

RT: 9.17 min Scan# 2300

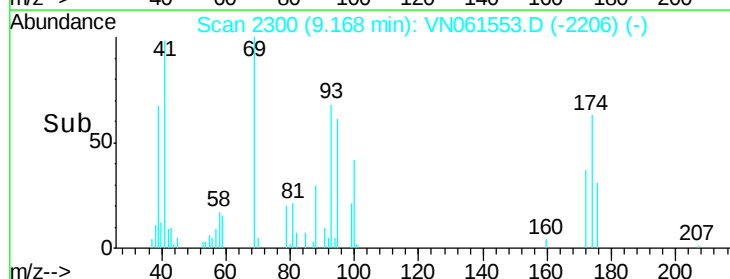
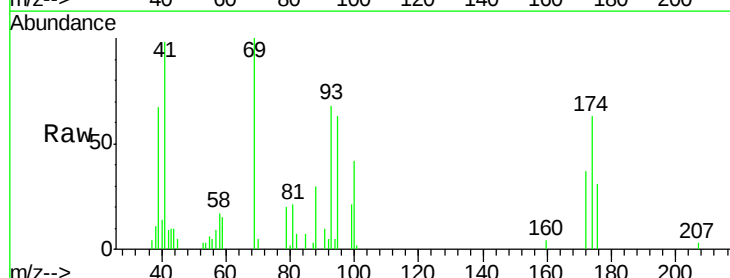
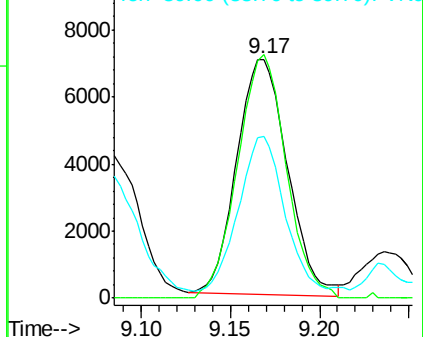
Delta R.T. 0.00 min

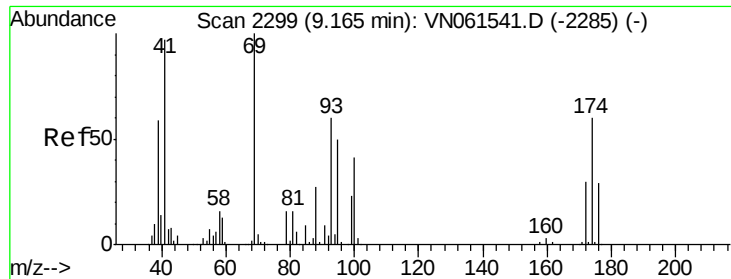
Lab File: VN061553.D

Acq: 29 May 2020 00:46

Tgt Ion:	41	Resp:	13943
Ion	Ratio	Lower	Upper
41	100		
69	99.3	83.9	125.9
39	65.3	52.1	78.1

Abundance Ion 41.00 (40.70 to 41.70): VN061553.D (-2206) (-)





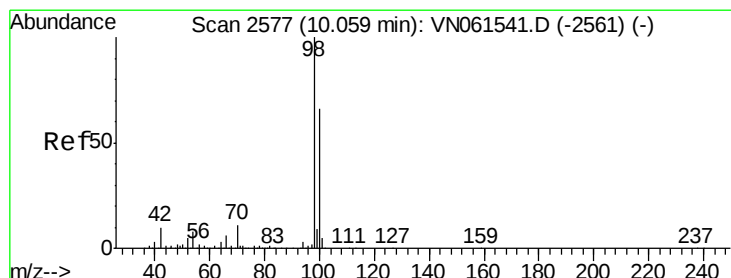
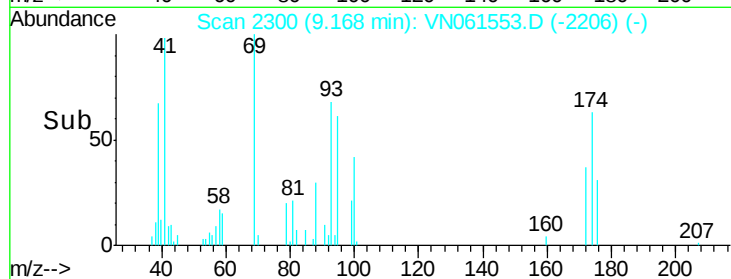
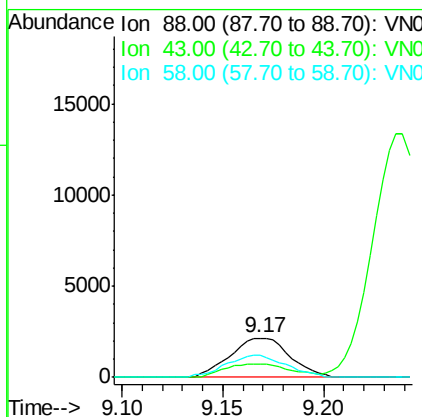
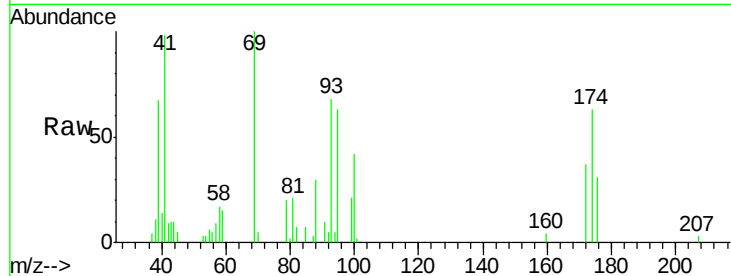
#49
 1,4-Dioxane
 Concen: 94.745 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	88	Resp	4453
Ion	Ratio	Lower	Upper
88	100		
43	37.7	23.1	34.7#
58	56.2	48.3	72.5

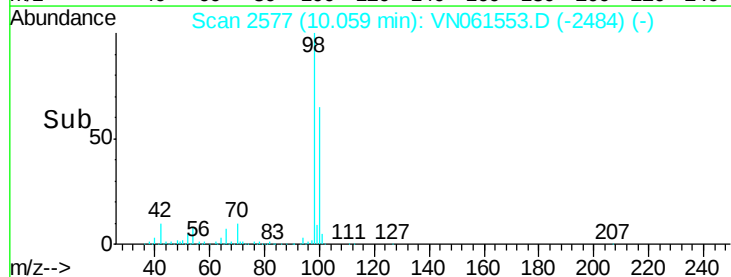
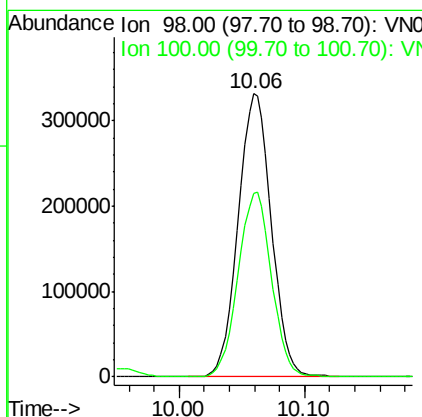
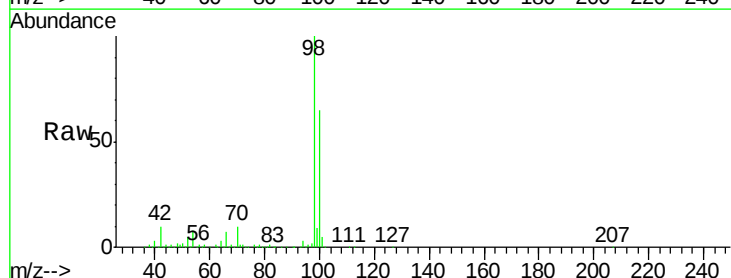
Manual Integrations
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#50
 Toluene-d8
 Concen: 49.392 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Tgt Ion	98	Resp	610358
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.8	79.2





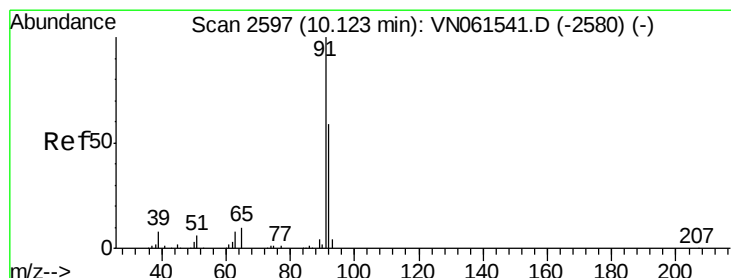
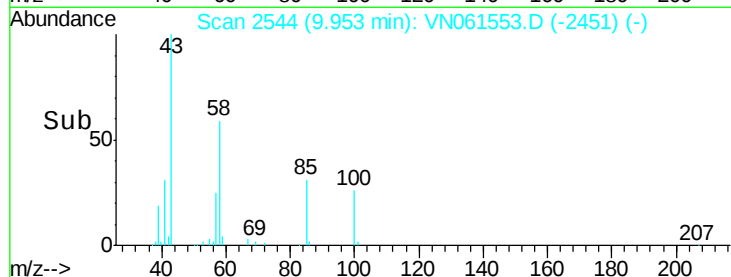
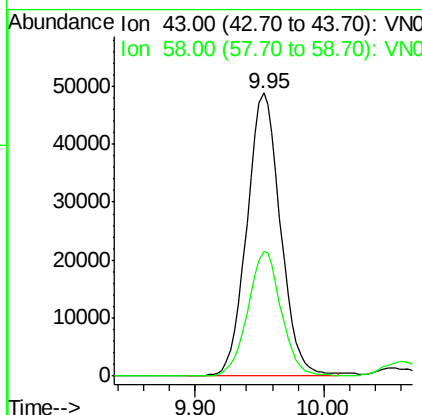
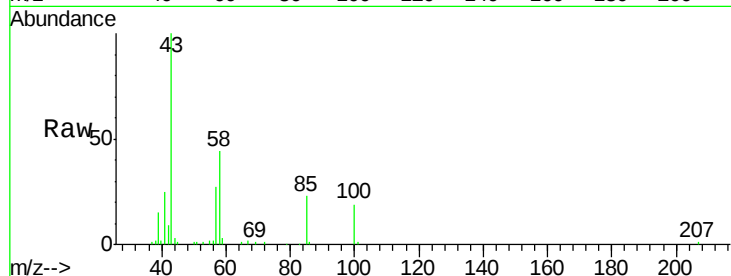
#51
4-Methyl-2-Pentanone
Concen: 23.349 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion: 43 Resp: 88724
Ion Ratio Lower Upper
43 100
58 43.9 35.0 52.6

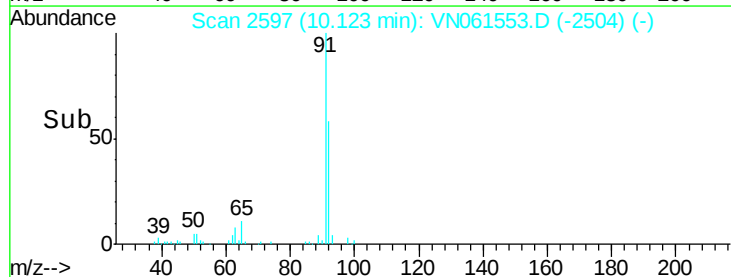
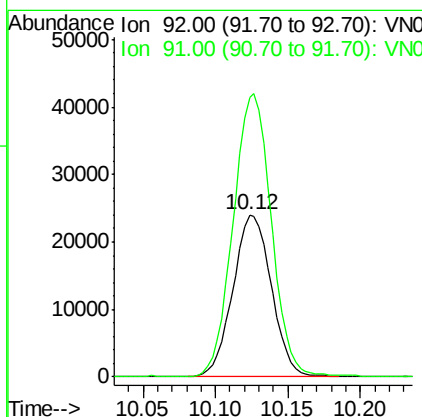
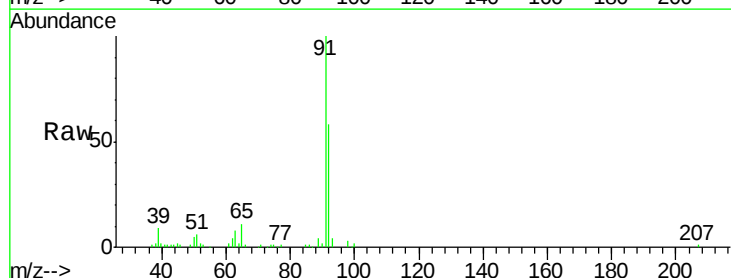
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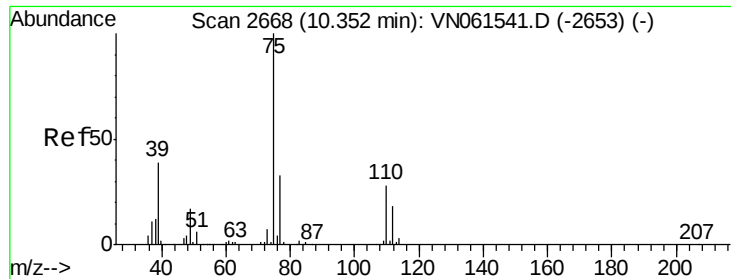
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#52
Toluene
Concen: 4.724 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion: 92 Resp: 44270
Ion Ratio Lower Upper
92 100
91 174.3 136.4 204.6





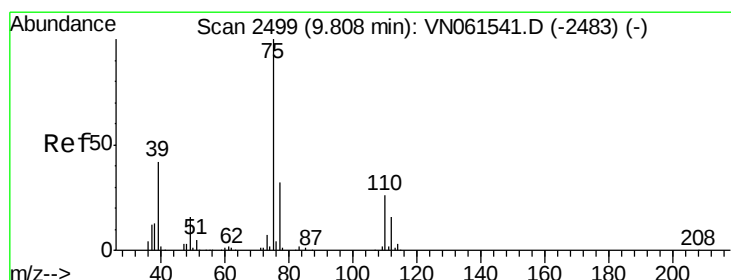
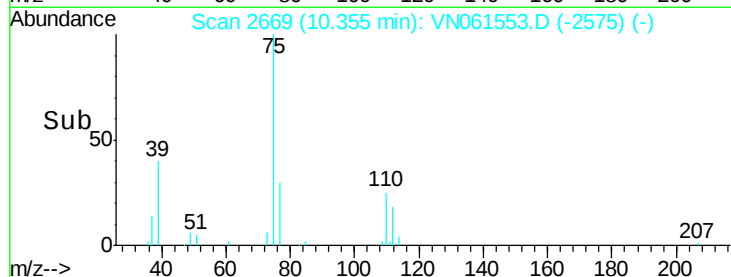
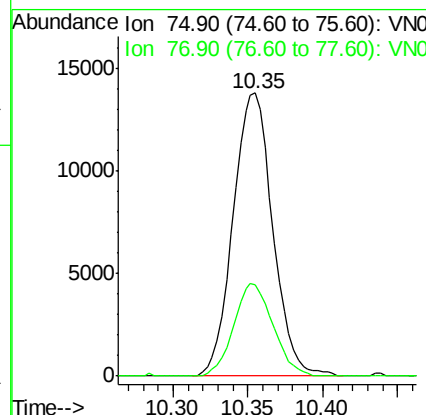
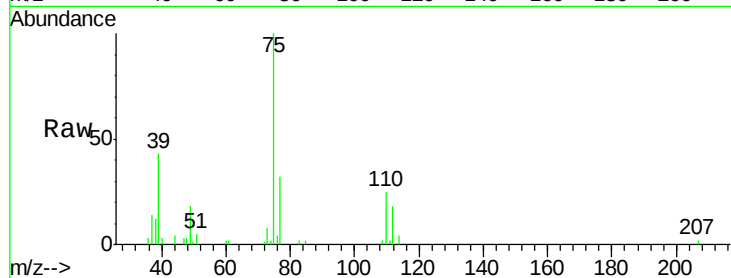
#53
t-1,3-Dichloropropene
Concen: 4.555 ug/l
RT: 10.35 min Scan# 2669
Delta R.T. 0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion: 75 Resp: 25423
Ion Ratio Lower Upper
75 100
77 32.2 26.2 39.4

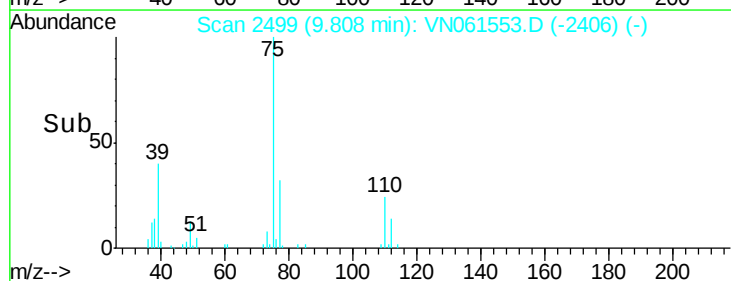
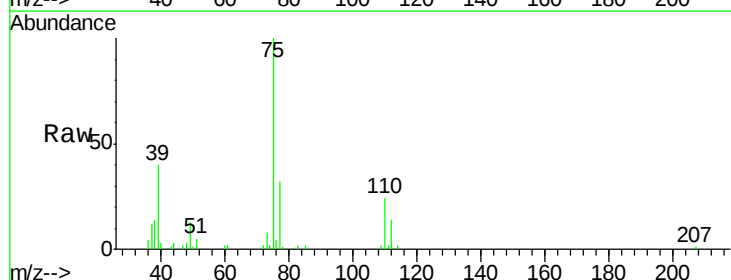
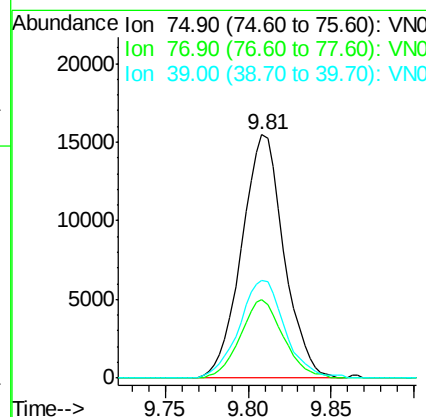
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#54
cis-1,3-Dichloropropene
Concen: 4.570 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion: 75 Resp: 27425
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.2
39 40.2 33.8 50.6





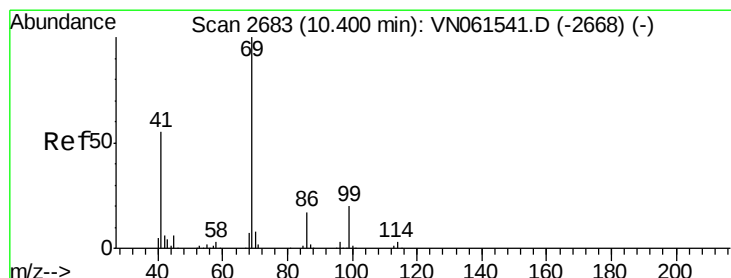
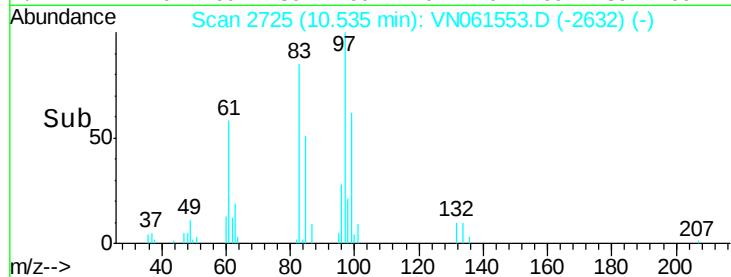
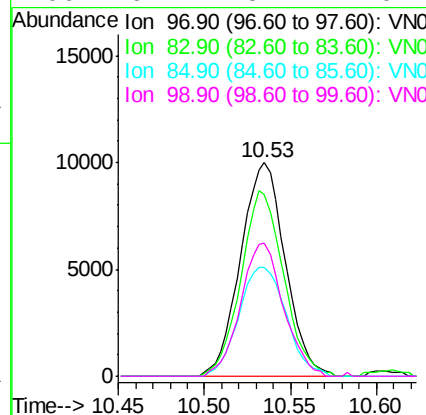
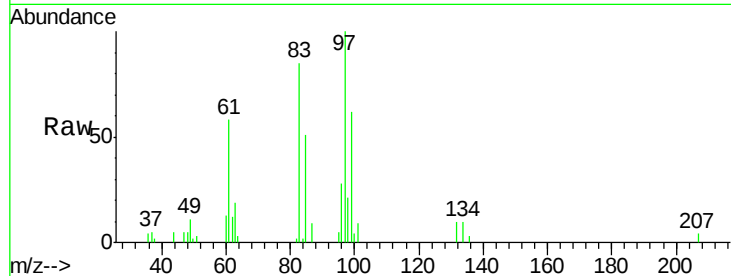
#55
 1,1,2-Trichloroethane
 Concen: 4.810 ug/l
 RT: 10.53 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion:	97	Resp:	17957
Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.1	102.1
85	50.7	44.1	66.1
99	62.2	51.1	76.7

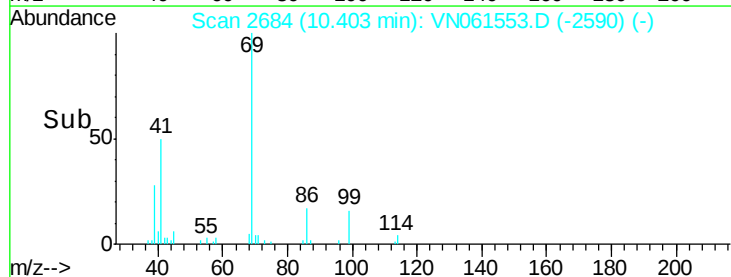
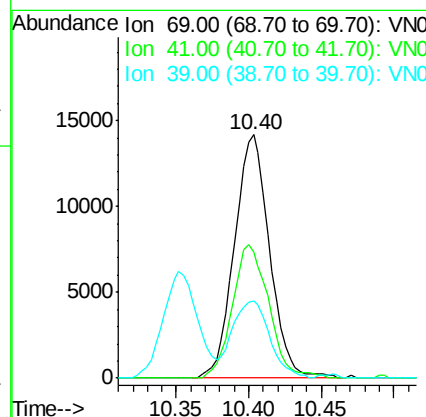
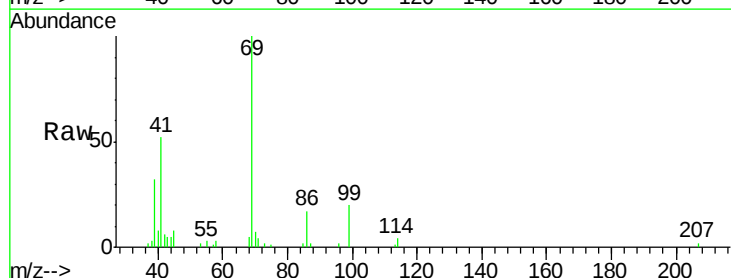
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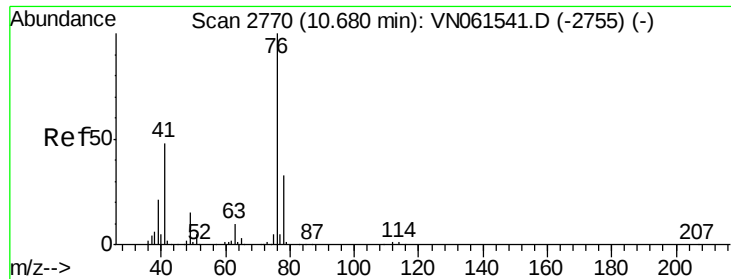
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#56
 Ethyl methacrylate
 Concen: 4.576 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Tgt Ion:	69	Resp:	23864
Ion	Ratio	Lower	Upper
69	100		
41	56.7	43.5	65.3
39	34.1	27.0	40.6





#57

1,3-Dichloropropane

Concen: 5.037 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 76 Resp: 30077

Ion Ratio Lower Upper

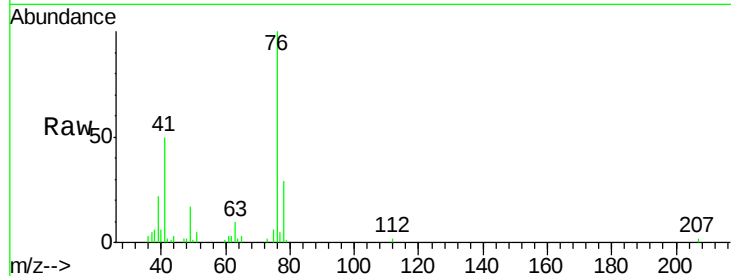
76 100

78 31.1 26.3 39.5

Manual Integrations
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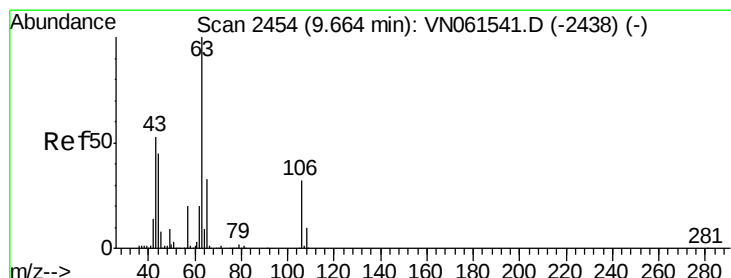
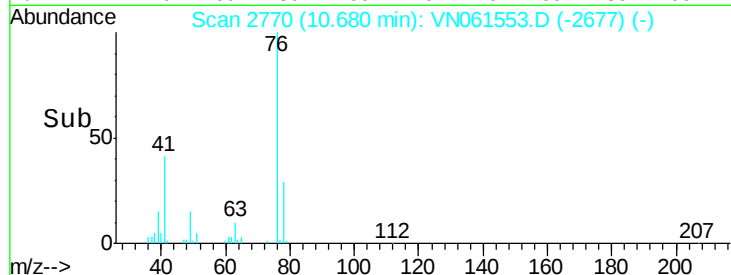
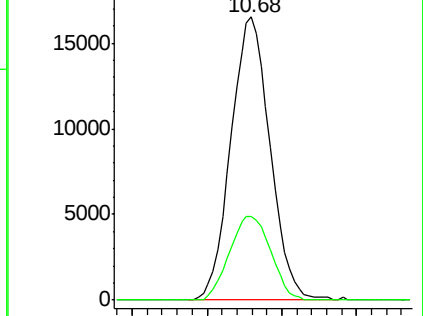
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Abundance Ion 75.90 (75.60 to 76.60): VN061553.D (-2677) (-)

Ion 77.90 (77.60 to 78.60): VN061553.D (-2677) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 23.081 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN061553.D

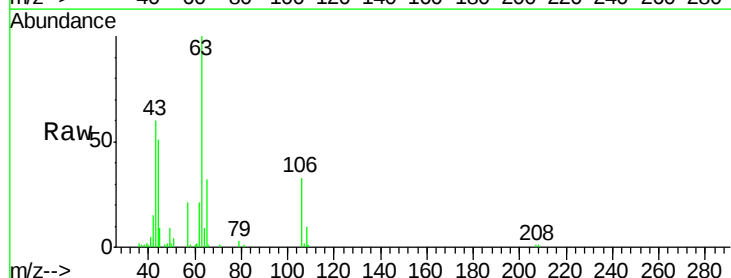
Acq: 29 May 2020 00:46

Tgt Ion: 63 Resp: 51444

Ion Ratio Lower Upper

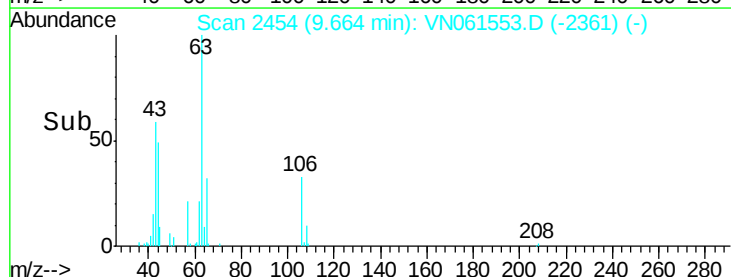
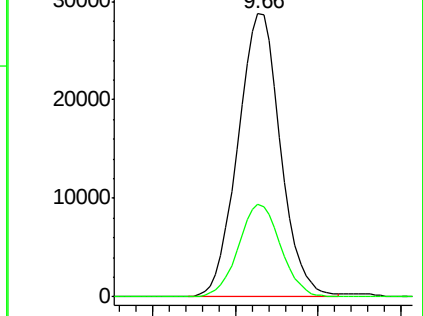
63 100

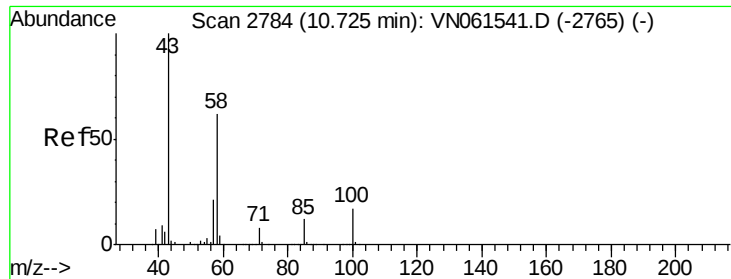
106 32.3 25.9 38.9



Abundance Ion 62.90 (62.60 to 63.60): VN061553.D (-2361) (-)

Ion 105.90 (105.60 to 106.60): VN061553.D (-2361) (-)





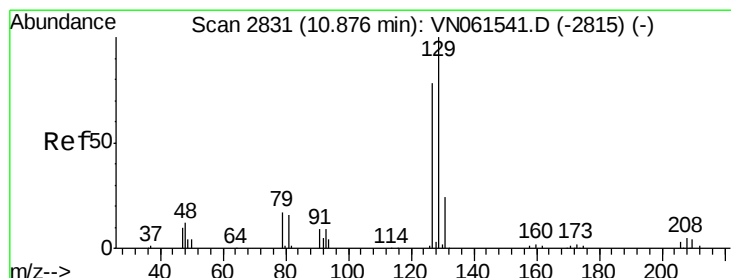
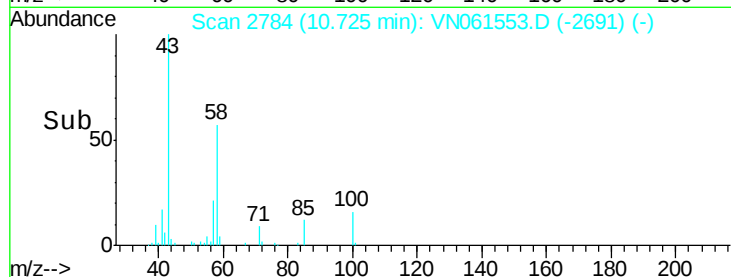
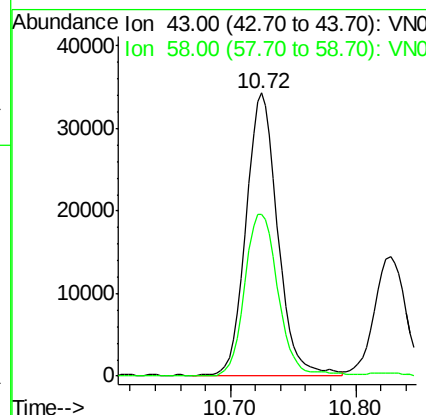
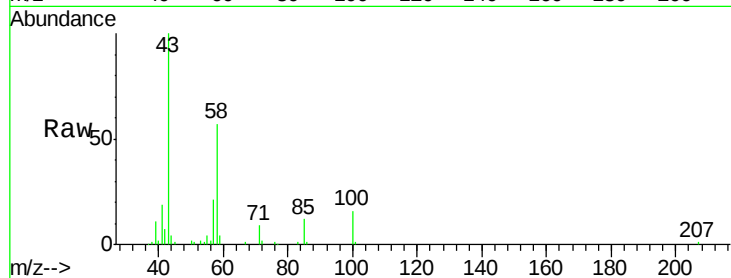
#59
2-Hexanone
Concen: 22.180 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion: 43 Resp: 60529
Ion Ratio Lower Upper
43 100
58 60.4 30.7 92.1

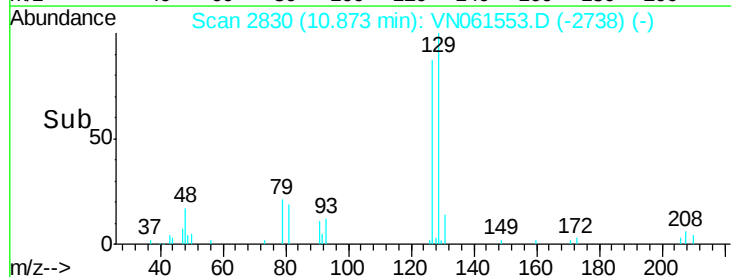
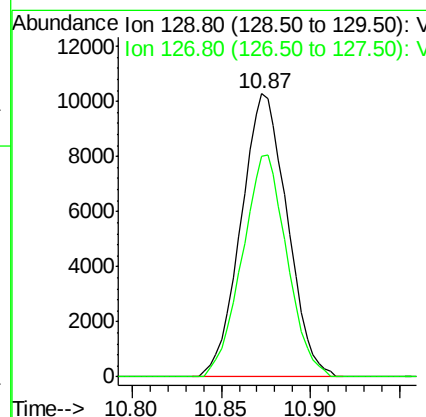
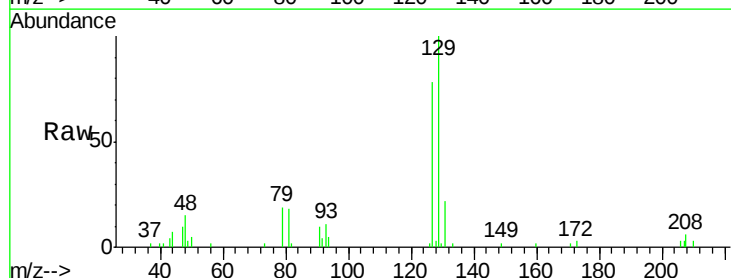
Manual Integrations
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#60
Dibromochloromethane
Concen: 4.391 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion: 129 Resp: 18637
Ion Ratio Lower Upper
129 100
127 75.8 38.8 116.3





#61

1,2-Dibromoethane

Concen: 4.577 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 107 Resp: 17824

Ion Ratio Lower Upper

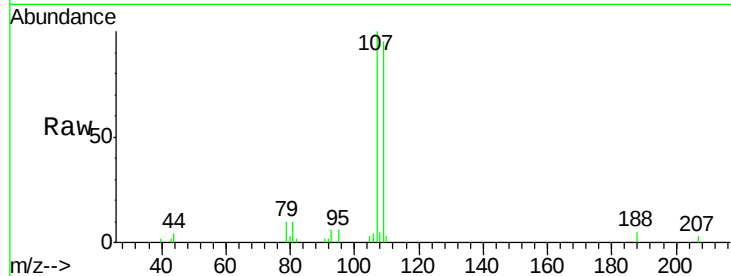
107 100

109 97.1 76.1 114.1

Manual Integrations
APPROVED

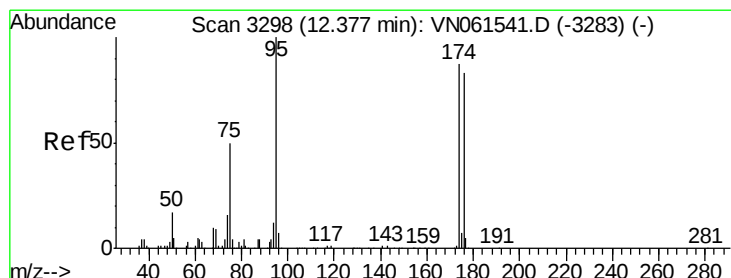
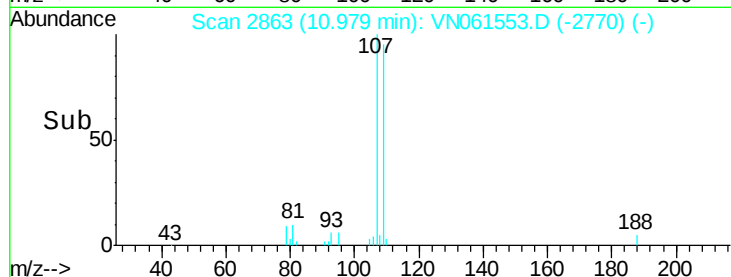
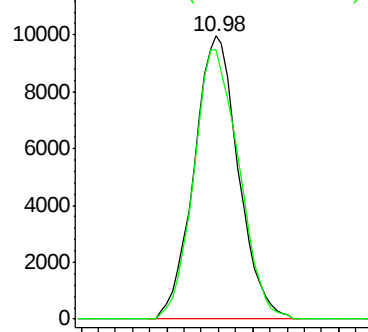
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.742 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

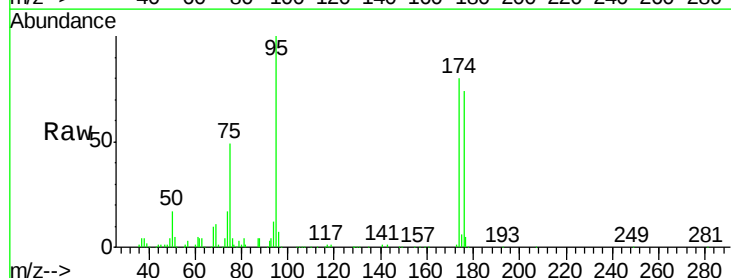
Tgt Ion: 95 Resp: 210732

Ion Ratio Lower Upper

95 100

174 78.5 0.0 172.8

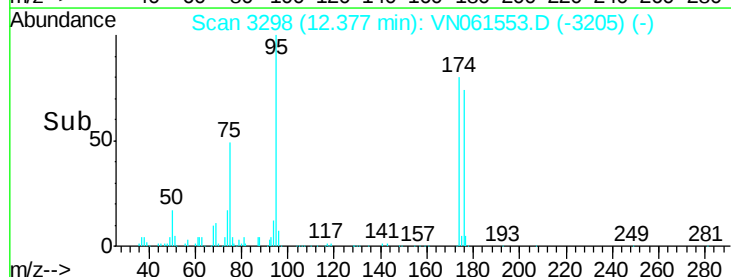
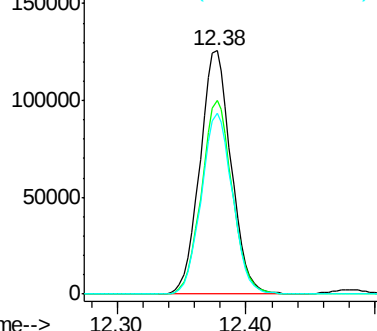
176 74.4 0.0 164.8

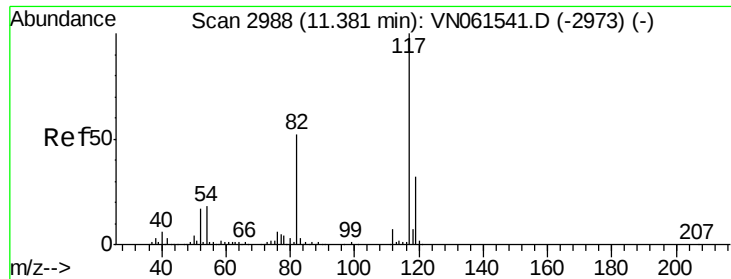


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





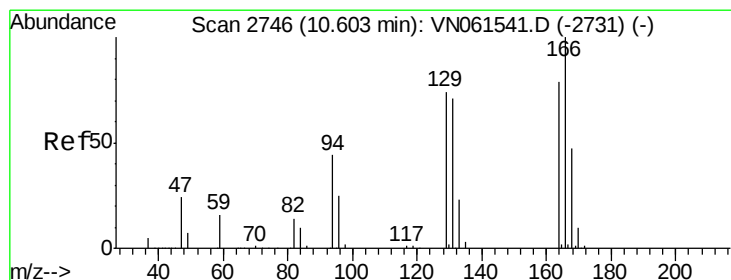
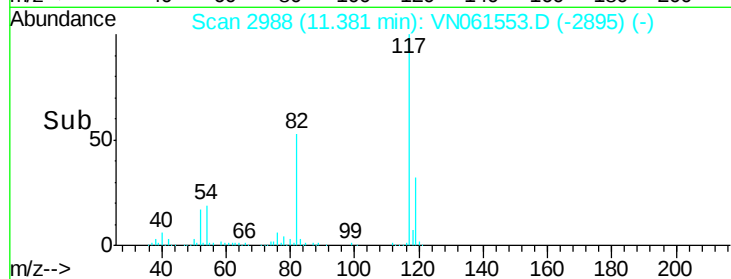
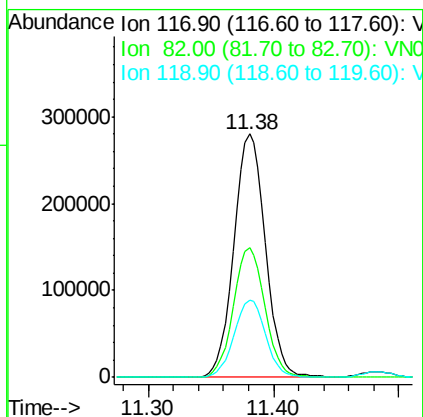
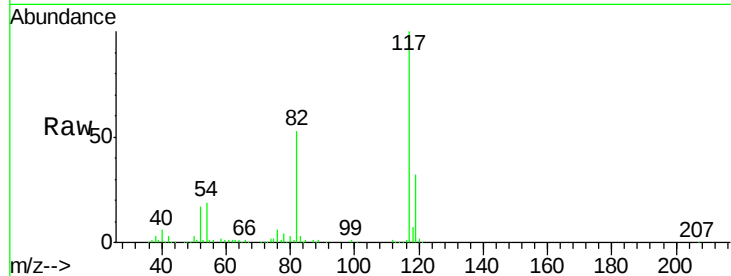
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	489462		
82	53.0		41.5	62.3
119	32.0		25.6	38.4

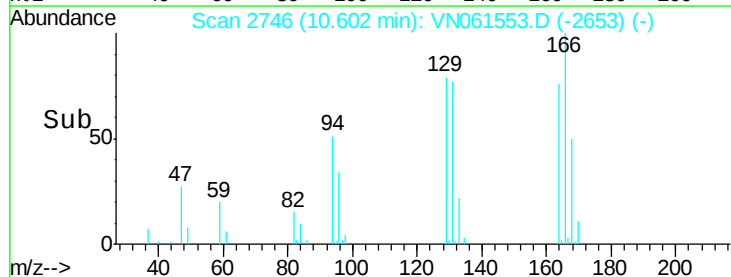
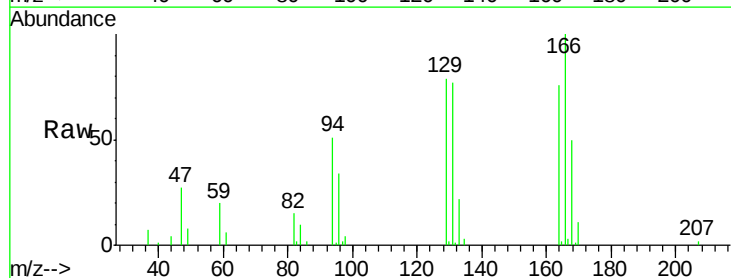
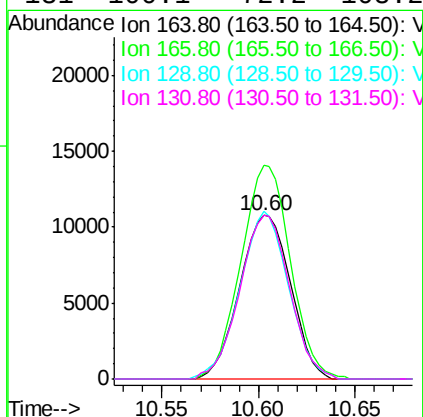
Manual Integrations
APPROVED

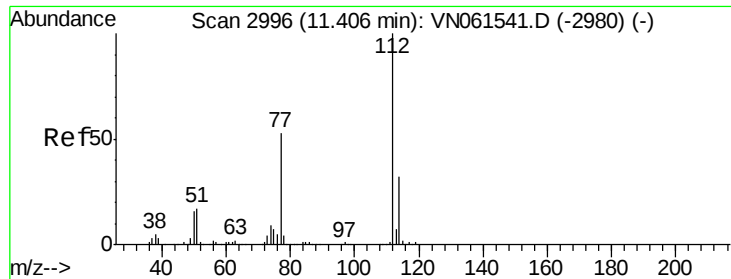
MMDadoda
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#64
Tetrachloroethene
Concen: 4.284 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	19740		
166	130.7		101.5	152.3
129	102.6		74.9	112.3
131	100.1		72.2	108.2





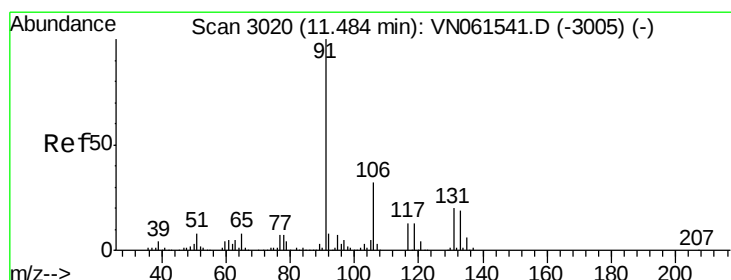
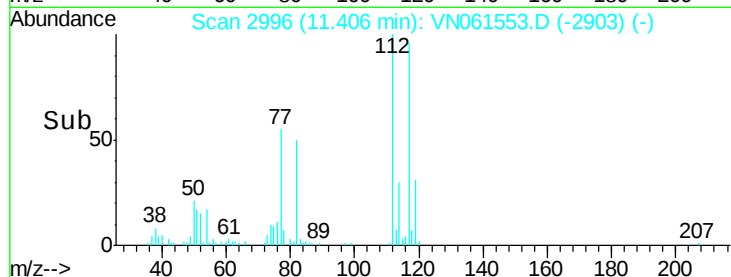
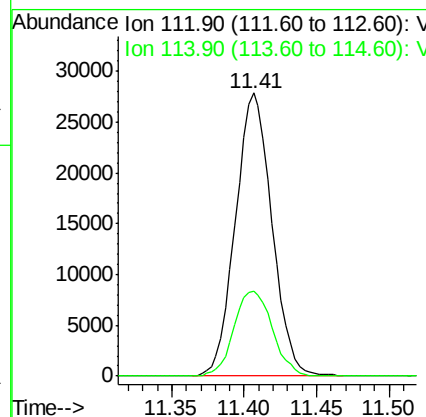
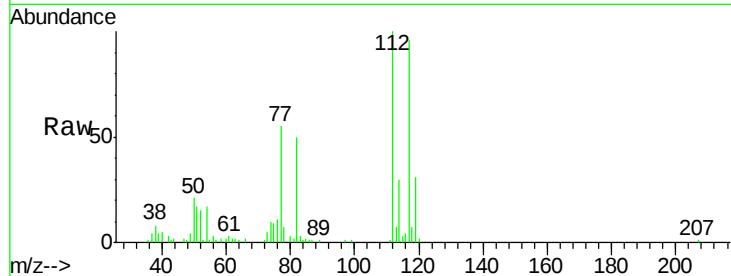
#65
Chlorobenzene
Concen: 4.783 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion:112 Resp: 48658
Ion Ratio Lower Upper
112 100
114 29.8 25.7 38.5

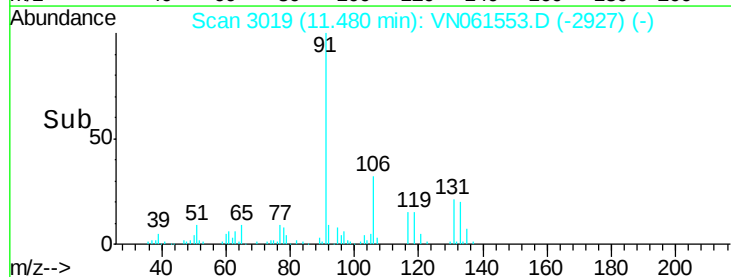
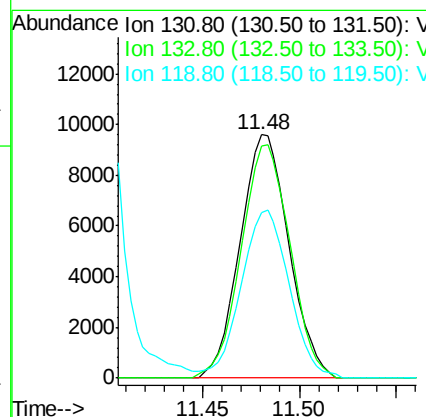
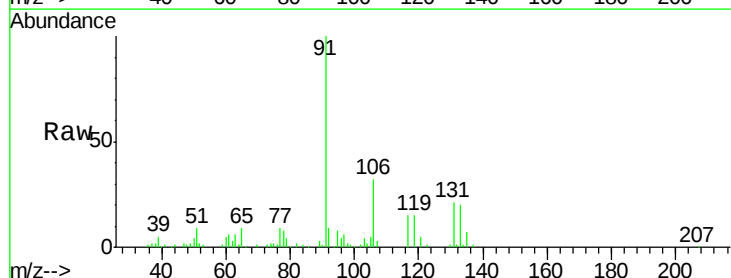
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.444 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion:131 Resp: 16836
Ion Ratio Lower Upper
131 100
133 95.8 47.4 142.2
119 68.0 32.6 97.8





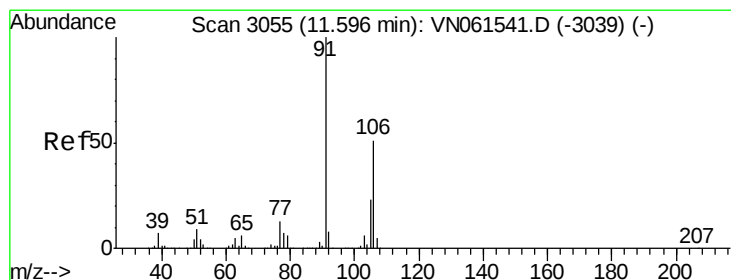
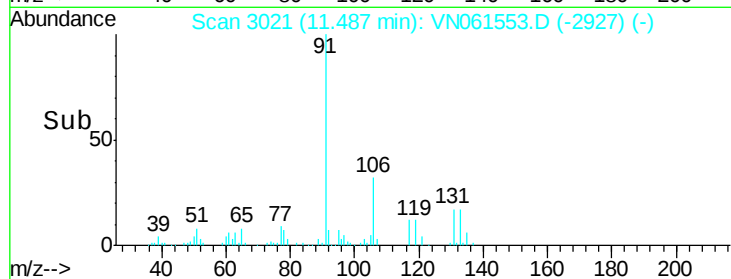
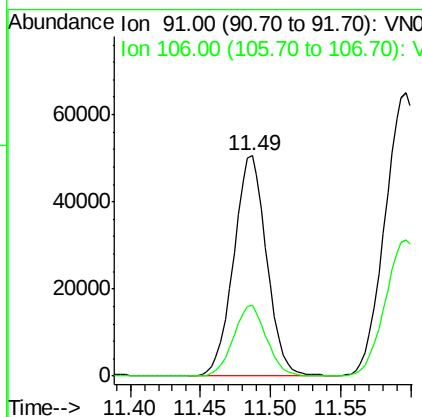
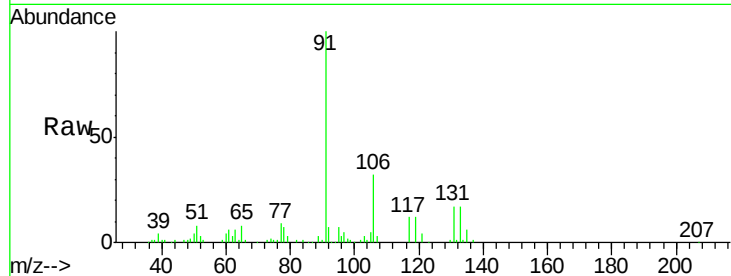
#67
Ethyl Benzene
Concen: 4.716 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion: 91 Resp: 82935
Ion Ratio Lower Upper
91 100
106 32.0 25.6 38.4

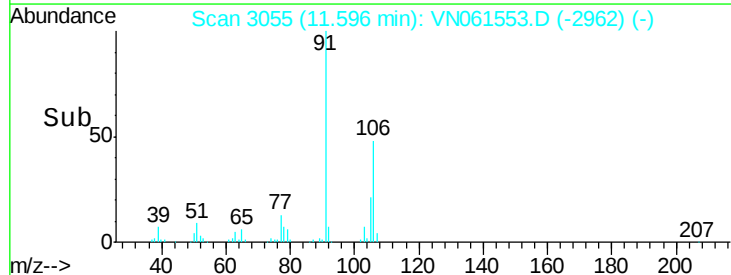
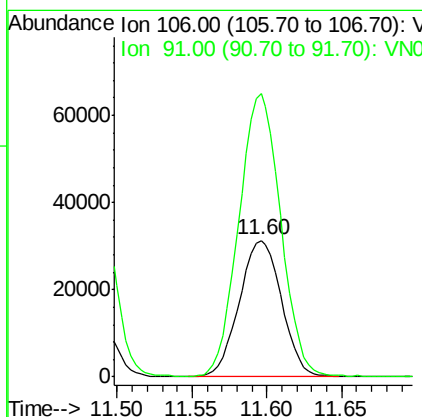
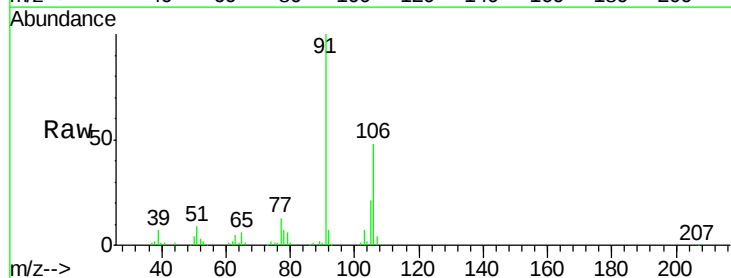
Manual Integrations
APPROVED

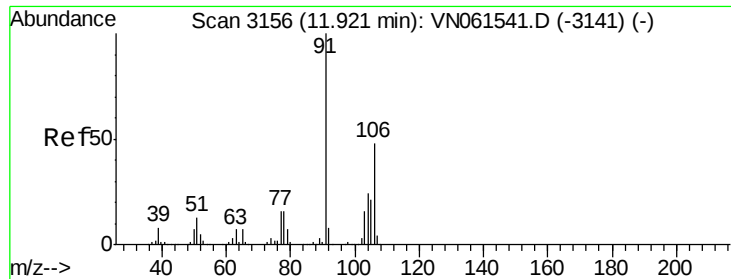
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#68
m/p-Xylenes
Concen: 8.860 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion: 106 Resp: 61779
Ion Ratio Lower Upper
106 100
91 203.1 156.2 234.4





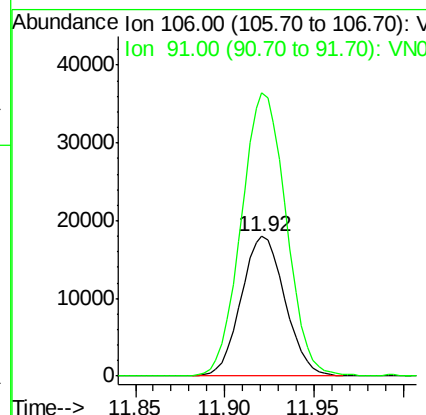
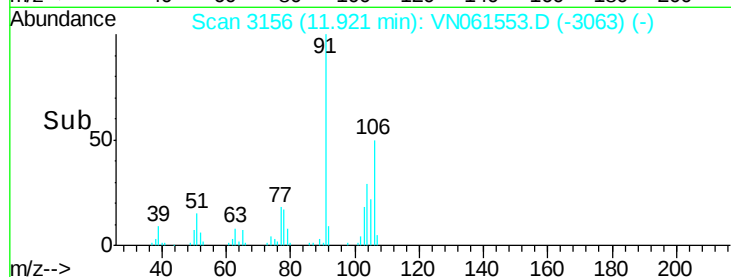
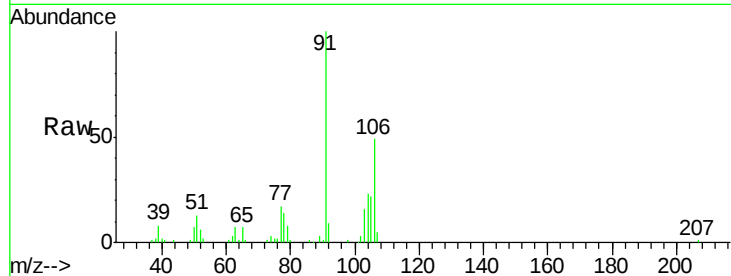
#69
o-Xylene
Concen: 4.632 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.8	103.3	309.8

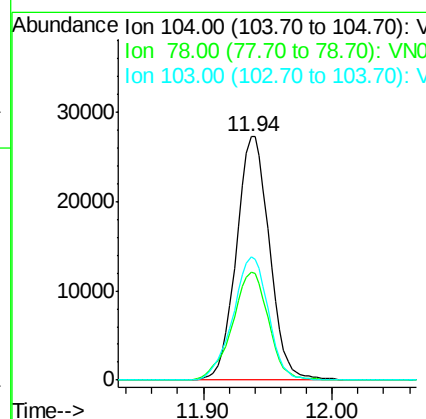
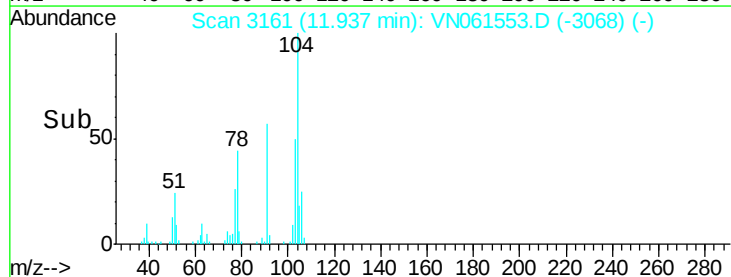
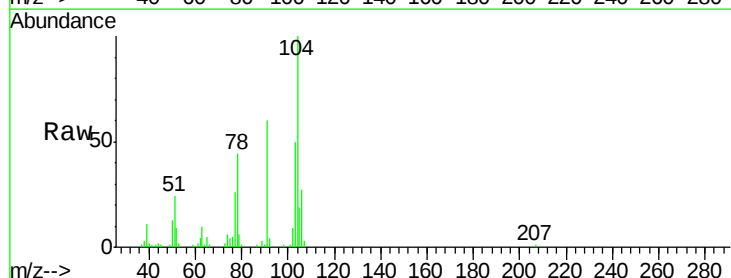
Manual Integrations
APPROVED

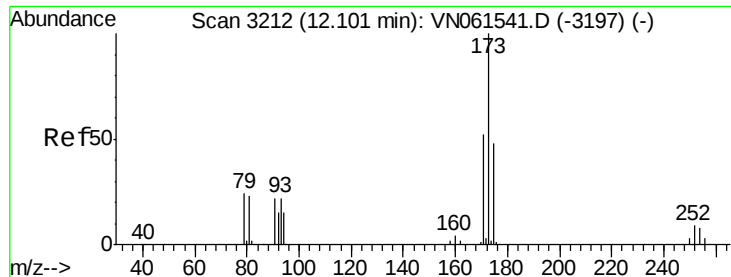
MMDadoda
5/29/2020 5:50:35 PM



#70
Styrene
Concen: 4.454 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	37.4	56.0
103	53.9	42.3	63.5





#71

Bromoform

Concen: 3.733 ug/l

RT: 12.10 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:173 Resp: 10898

Ion Ratio Lower Upper

173 100

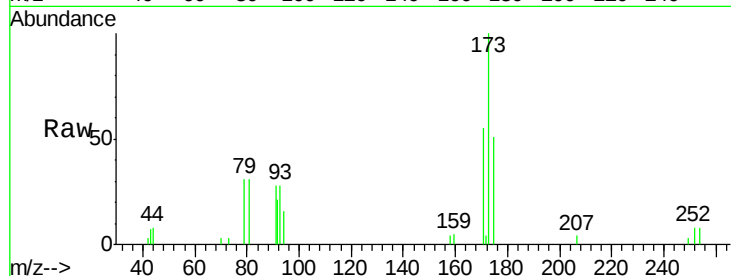
175 48.2 24.4 73.2

254 0.0 0.0 0.0

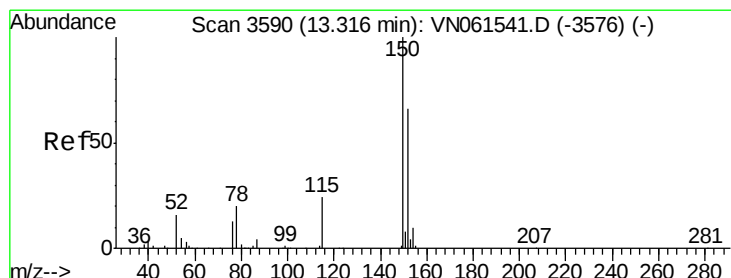
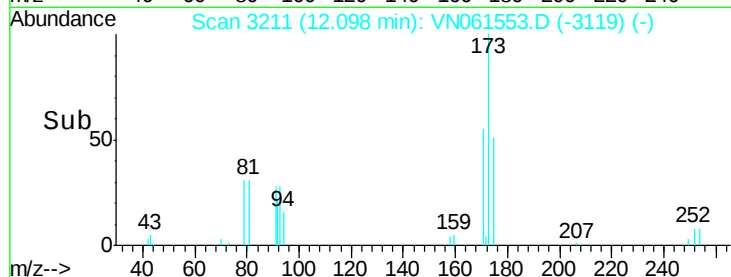
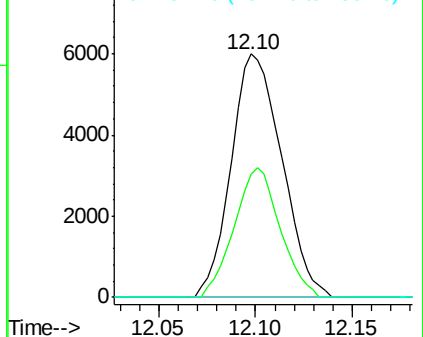
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

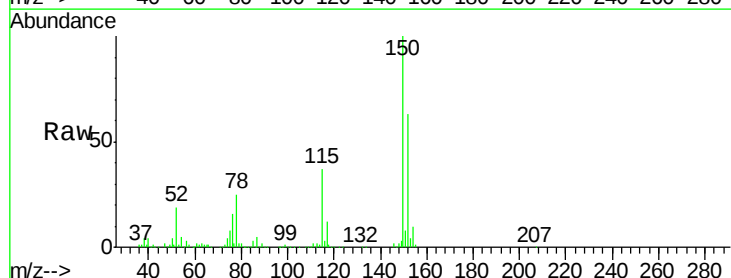
Tgt Ion:152 Resp: 213536

Ion Ratio Lower Upper

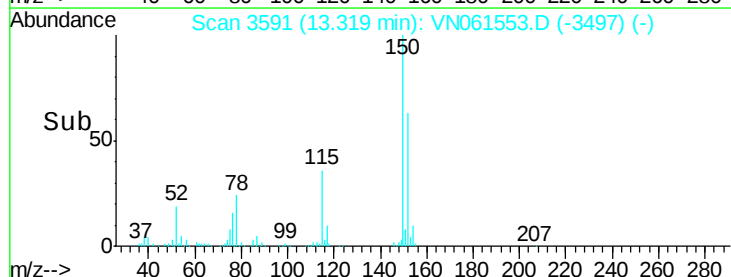
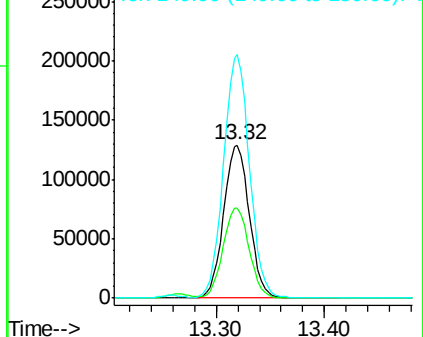
152 100

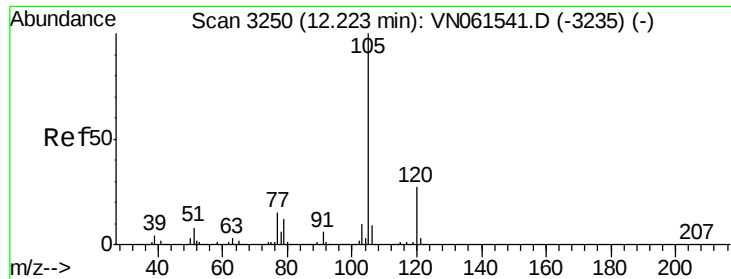
115 59.9 28.0 84.0

150 159.4 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: 5.012 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:105 Resp: 78112

Ion Ratio Lower Upper

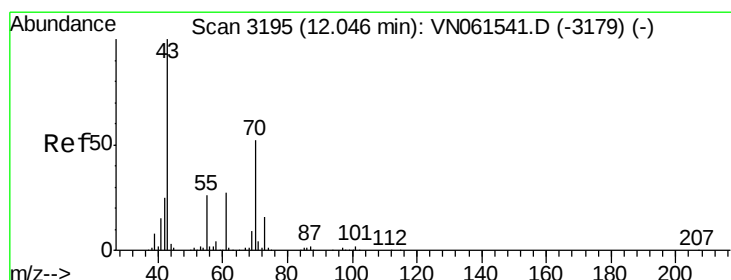
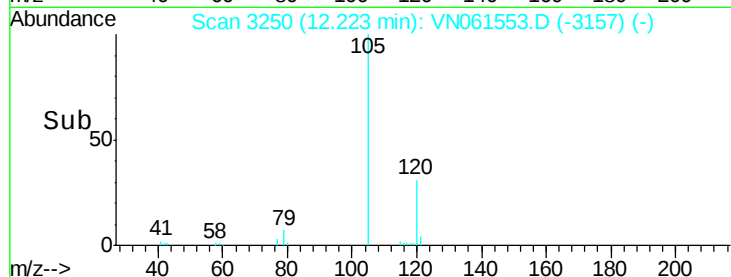
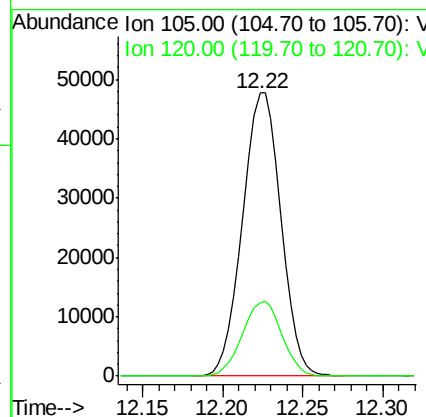
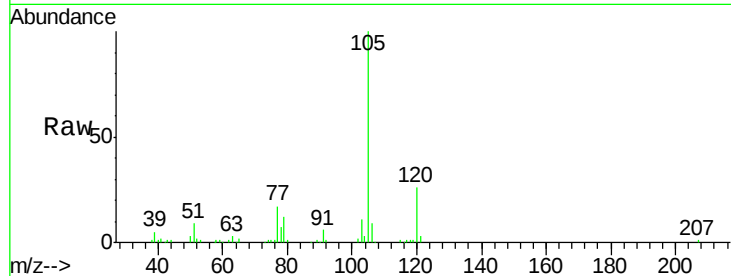
105 100

120 27.0 13.8 41.3

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5/29/2020 5:50:35 PM



#74

N-ethyl acetate

Concen: 4.980 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Tgt Ion: 43 Resp: 24441

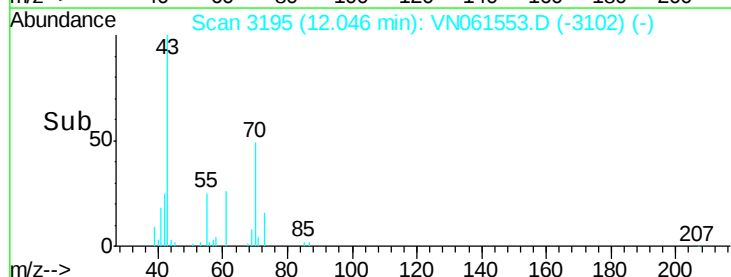
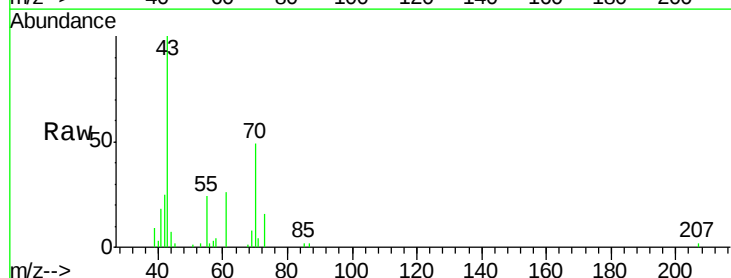
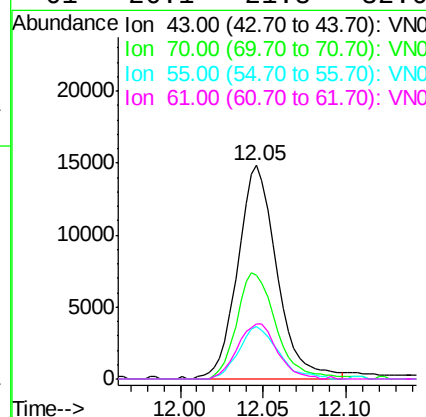
Ion Ratio Lower Upper

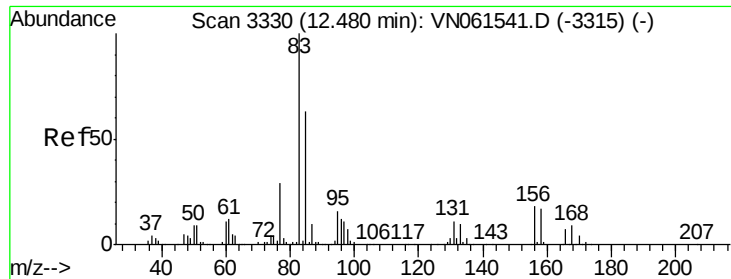
43 100

70 50.2 40.5 60.7

55 24.8 20.6 31.0

61 26.1 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.389 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

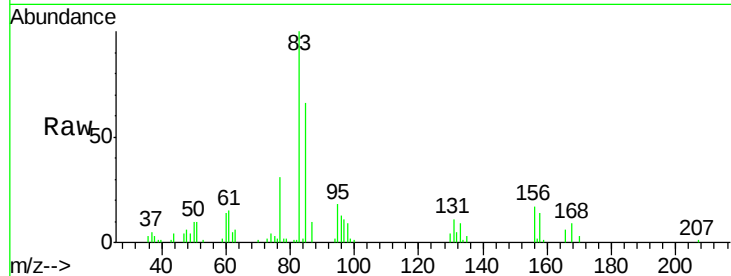
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	83	Resp:	23537
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.5
85	64.1	32.1	96.3

Manual Integrations
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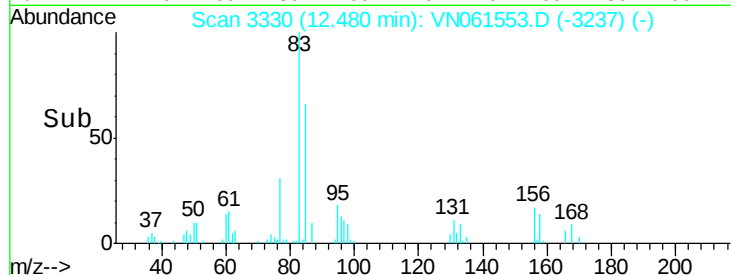


Abundance Ion 82.90 (82.60 to 83.60): VN061541.D (-3315) (-)

Ion 130.80 (130.50 to 131.50): VN061541.D (-3315) (-)

Ion 84.90 (84.60 to 85.60): VN061541.D (-3315) (-)

Time--> 12.40 12.45 12.50

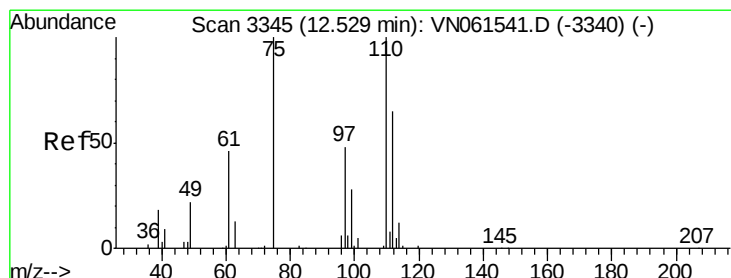


Abundance Ion 82.90 (82.60 to 83.60): VN061553.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN061553.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN061553.D (-3237) (-)

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 5.192 ug/l m

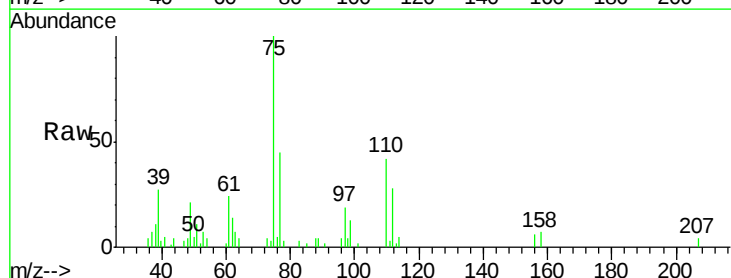
RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

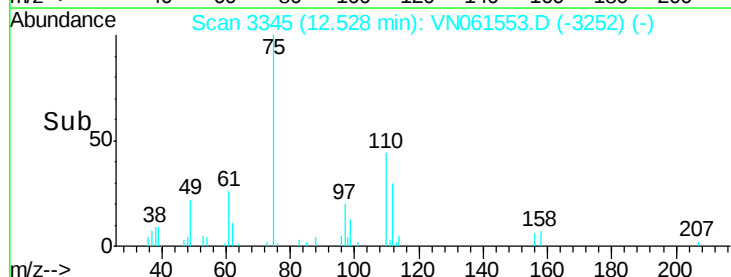
Tgt Ion:	75	Resp:	20162
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061541.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN061541.D (-3340) (-)

Time--> 12.50 12.55



Abundance Ion 74.90 (74.60 to 75.60): VN061553.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061553.D (-3252) (-)

Time--> 12.50 12.55



#77

Bromobenzene

Concen: 4.849 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

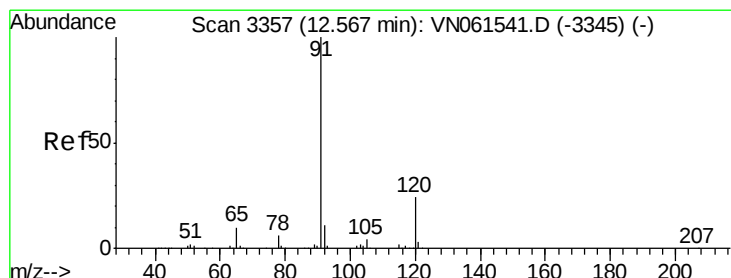
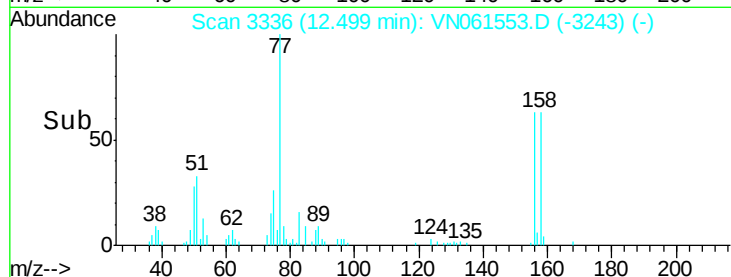
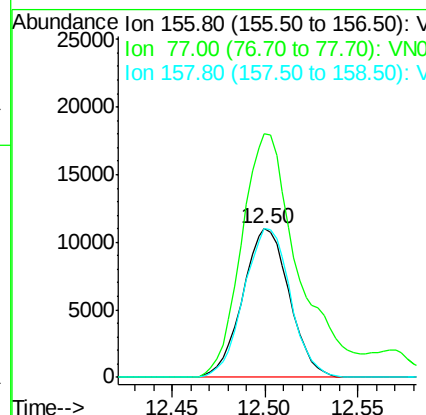
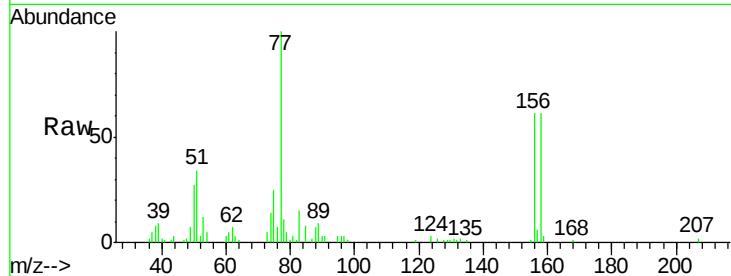
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	156	Resp:	19290
Ion	Ratio	Lower	Upper
156	100		
77	199.3	90.9	272.7
158	99.9	48.4	145.3

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#78

n-propylbenzene

Concen: 4.973 ug/l

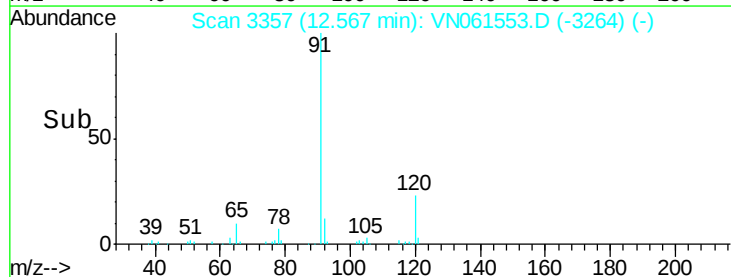
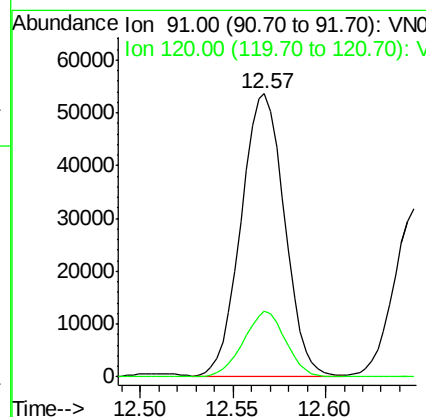
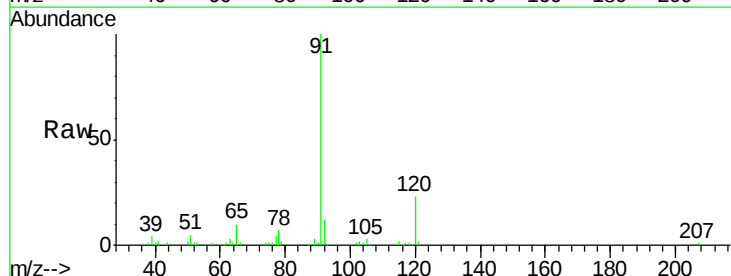
RT: 12.57 min Scan# 3357

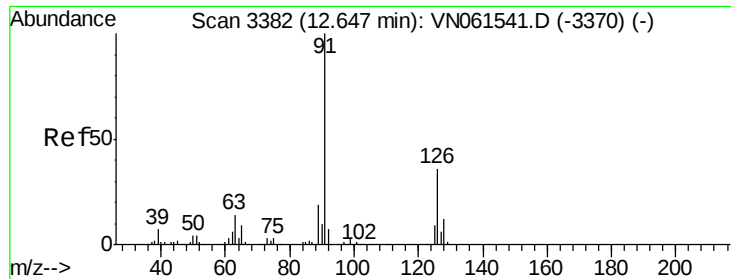
Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Tgt Ion:	91	Resp:	86533
Ion	Ratio	Lower	Upper
91	100		
120	22.6	12.3	36.9





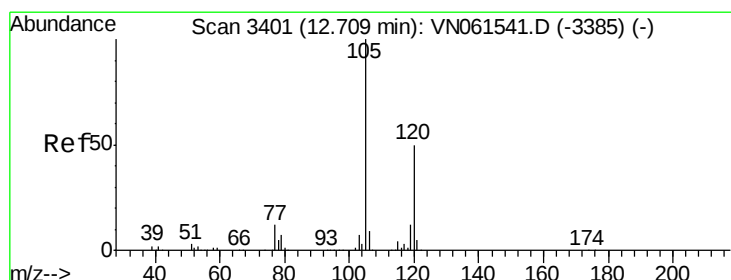
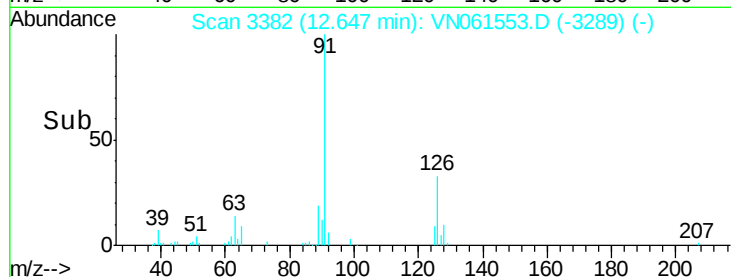
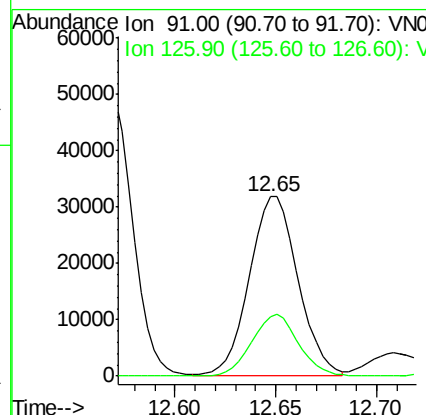
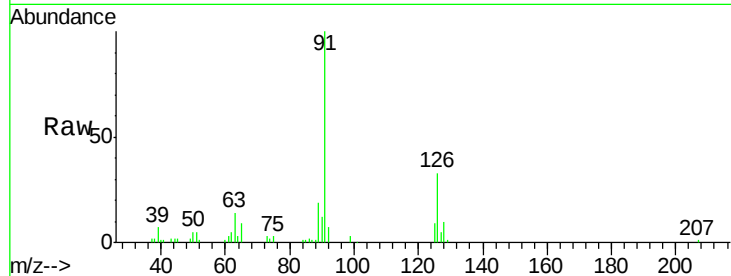
#79
 2-Chlorotoluene
 Concen: 5.125 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion: 91 Resp: 53174
 Ion Ratio Lower Upper
 91 100
 126 33.4 17.9 53.7

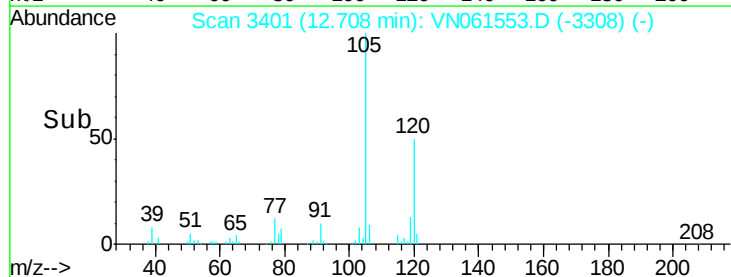
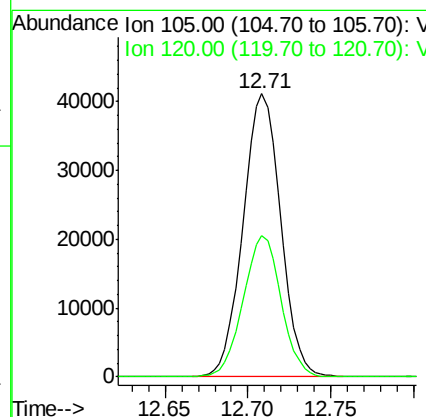
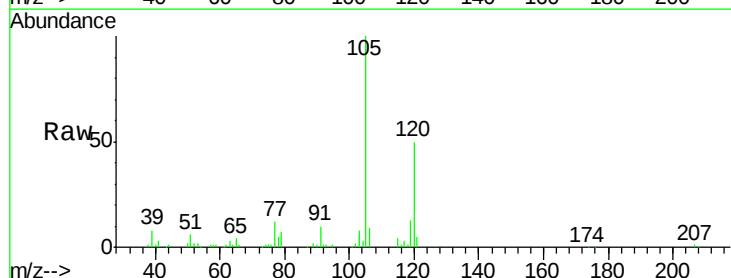
Manual Integrations
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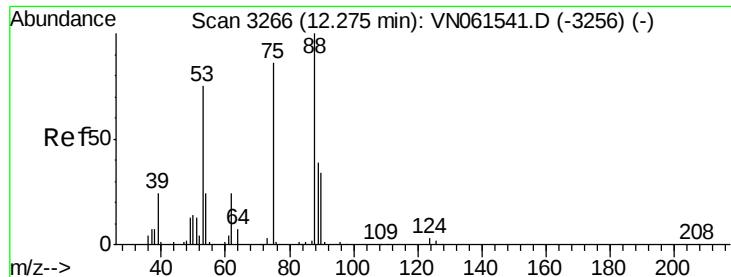
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 4.986 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Tgt Ion: 105 Resp: 64954
 Ion Ratio Lower Upper
 105 100
 120 50.0 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 4.075 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

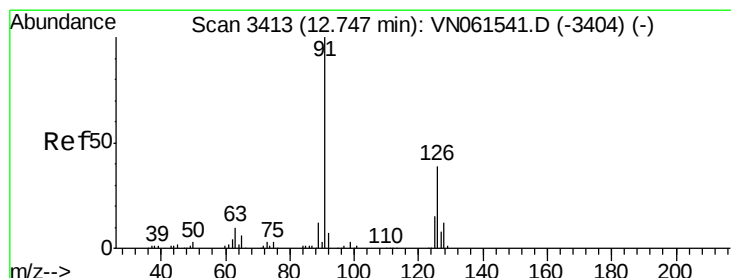
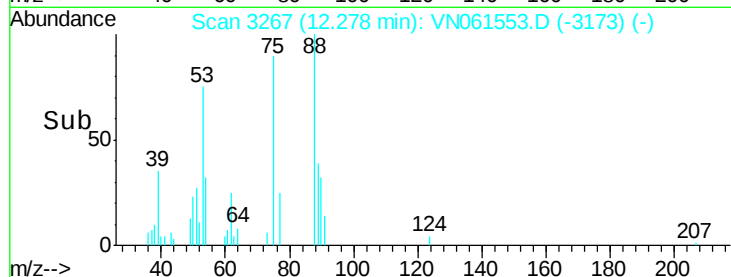
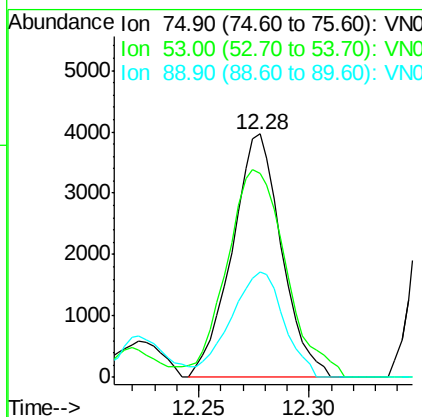
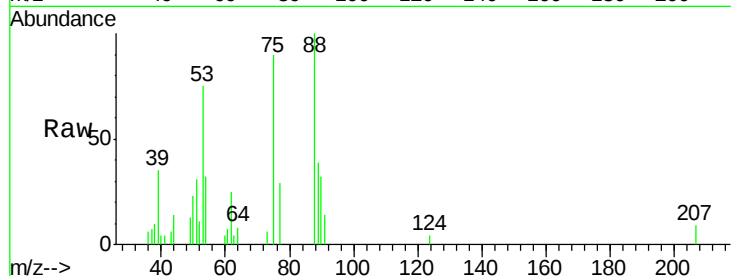
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.9	67.8	101.8#
89	47.0	37.1	55.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 4.980 ug/l

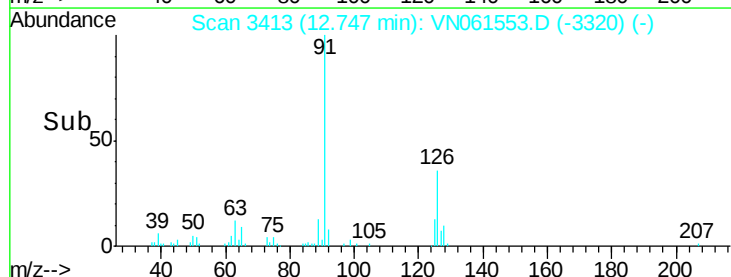
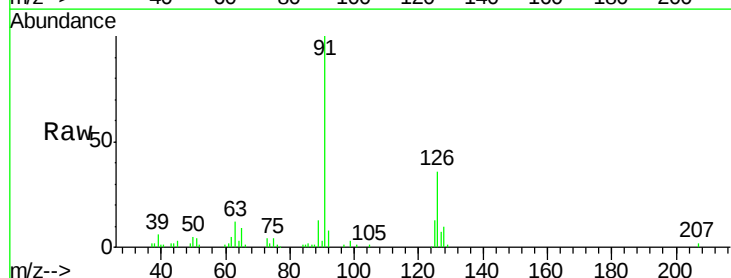
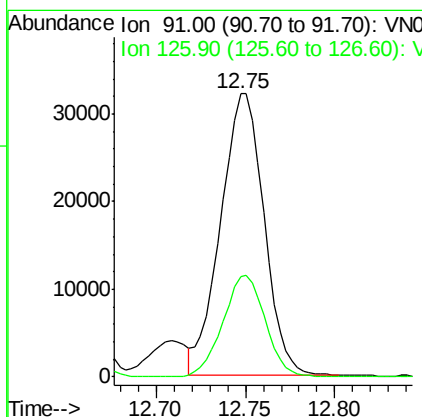
RT: 12.75 min Scan# 3413

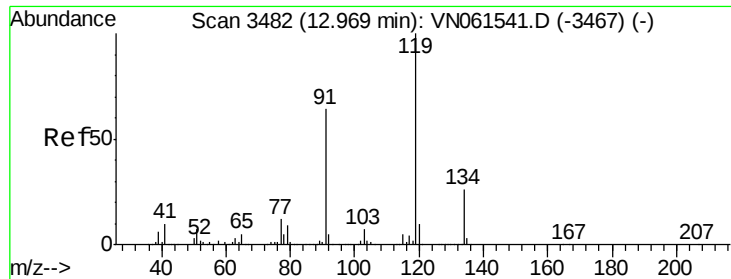
Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.5	52.6





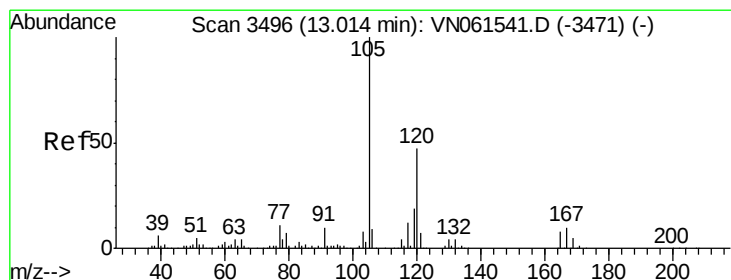
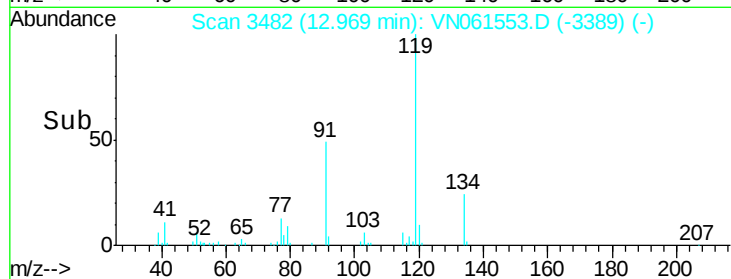
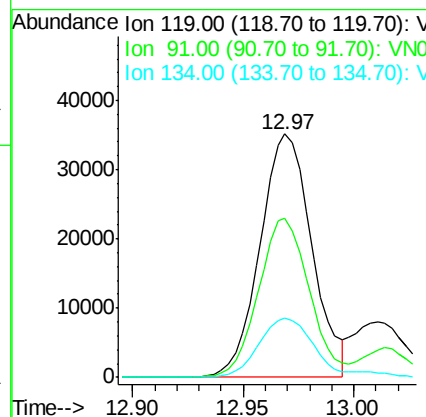
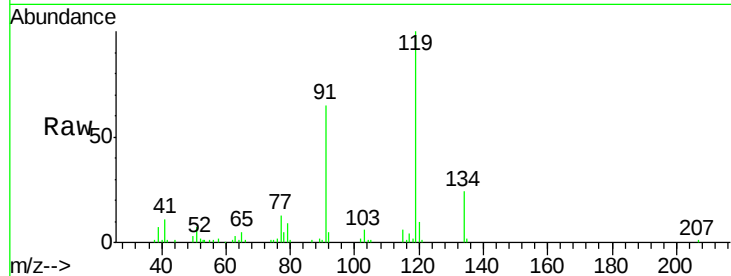
#83
 tert-Butylbenzene
 Concen: 4.973 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	31.3	93.8
134	25.2	13.5	40.4

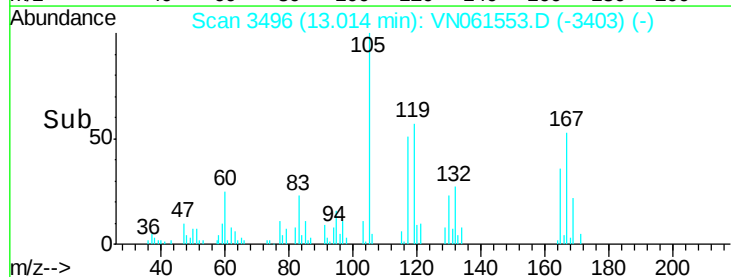
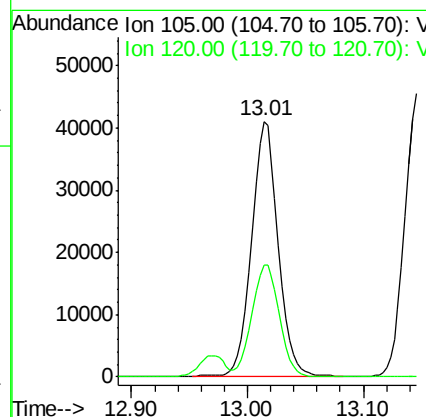
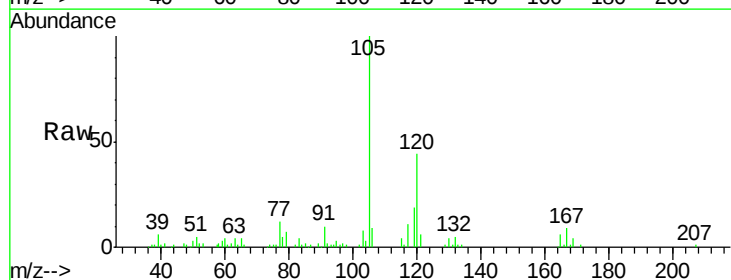
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.097 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	23.2	69.5





#85

sec-Butylbenzene

Concen: 4.874 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:105 Resp: 72280

Ion Ratio Lower Upper

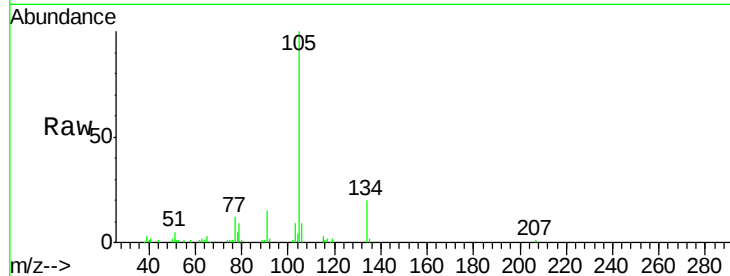
105 100

134 20.1 10.7 31.9

Manual Integrations
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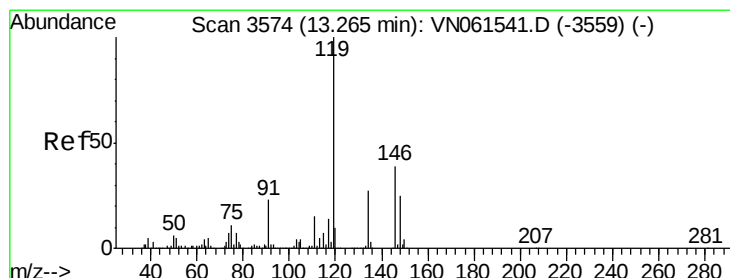
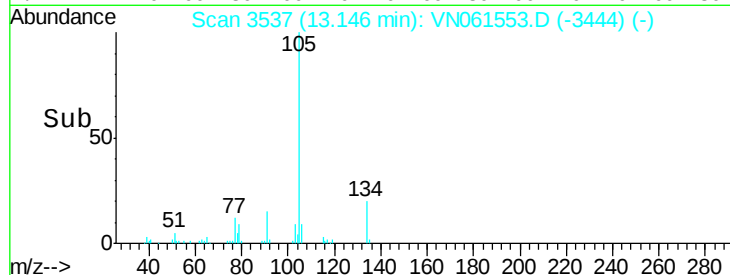
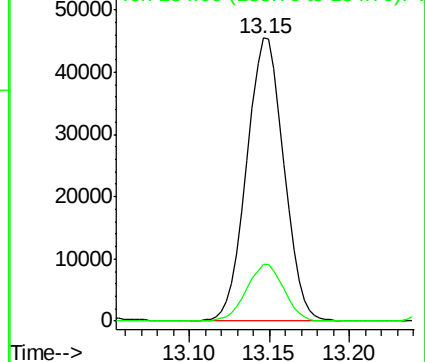
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.776 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

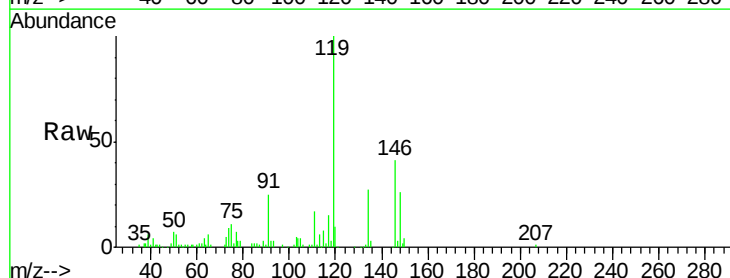
Tgt Ion:119 Resp: 65231

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.5

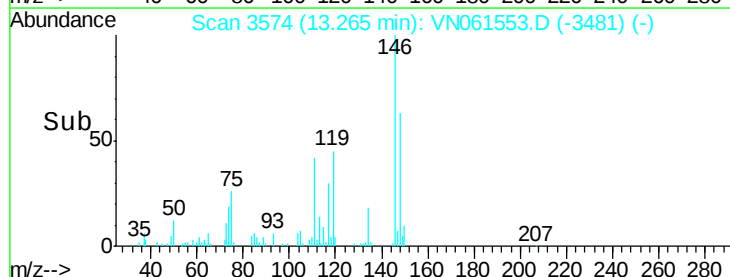
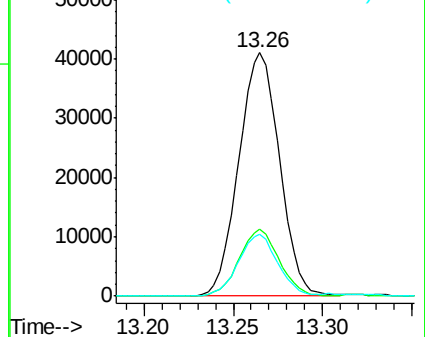
91 24.7 11.4 34.1

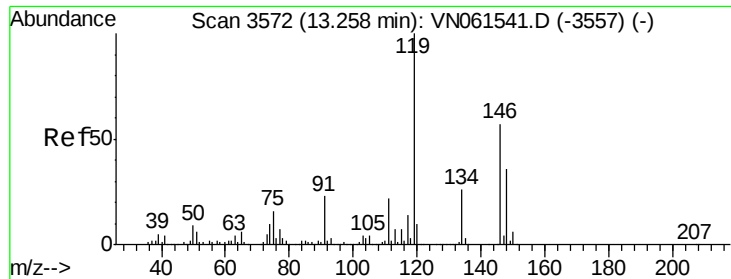


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





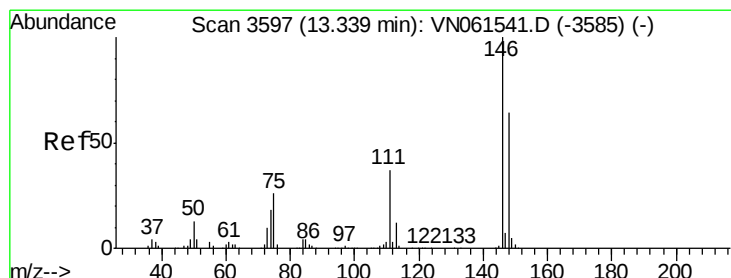
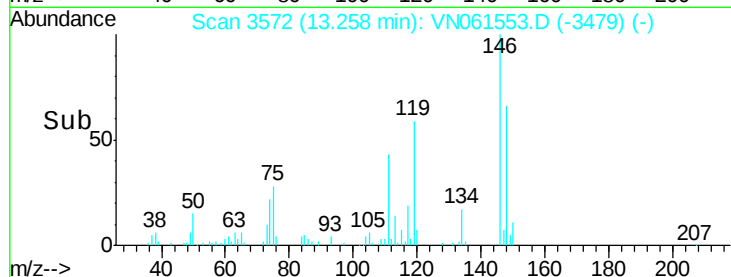
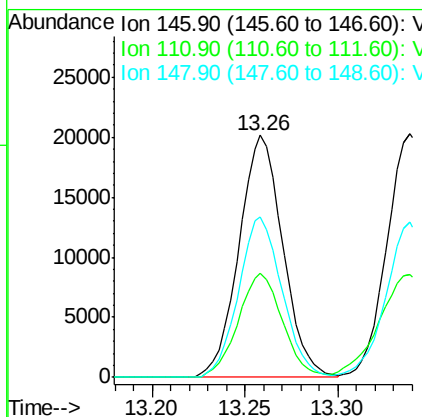
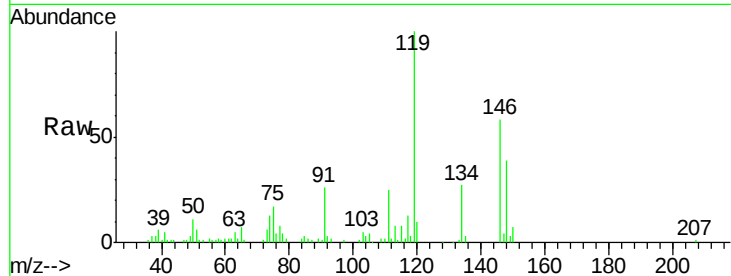
#87
 1,3-Dichlorobenzene
 Concen: 4.694 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	19.2	57.6
148	65.6	31.7	95.1

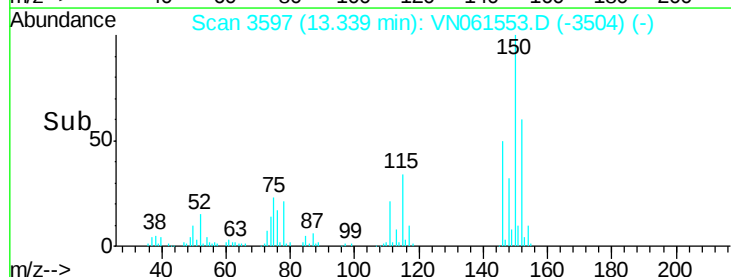
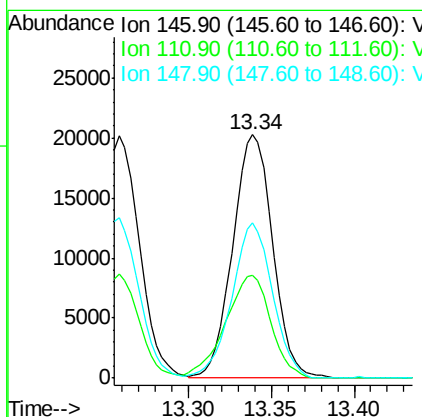
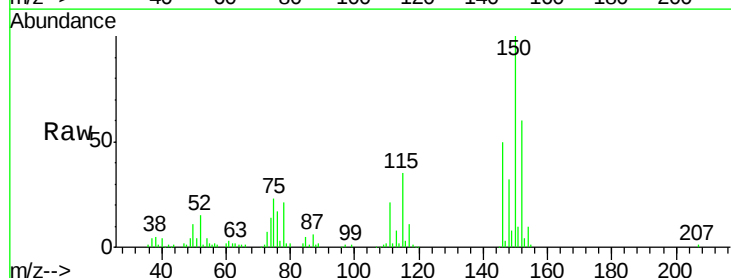
Manual Integrations
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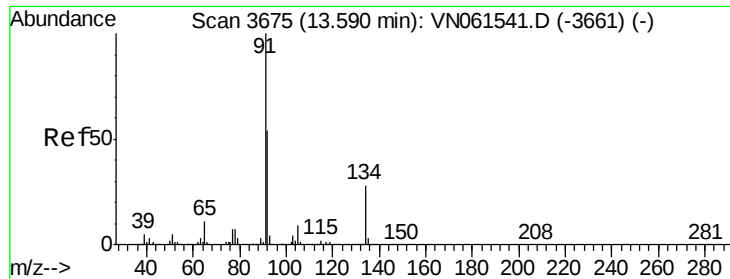
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#88
 1,4-Dichlorobenzene
 Concen: 4.735 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.2	18.9	56.9
148	65.0	31.8	95.3





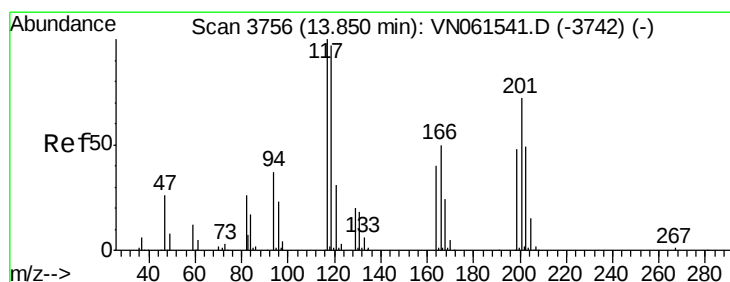
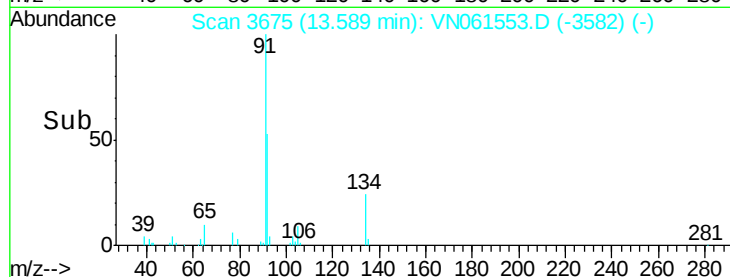
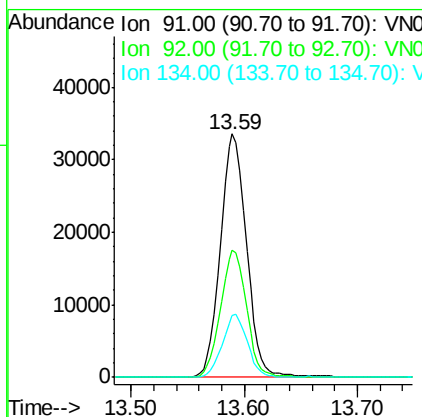
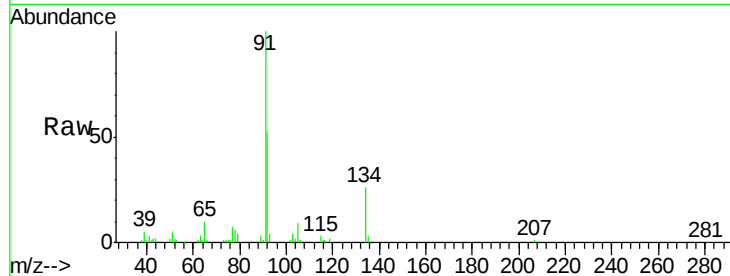
#89
n-Butylbenzene
Concen: 4.734 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	27.2	81.6
134	24.4	14.0	42.0

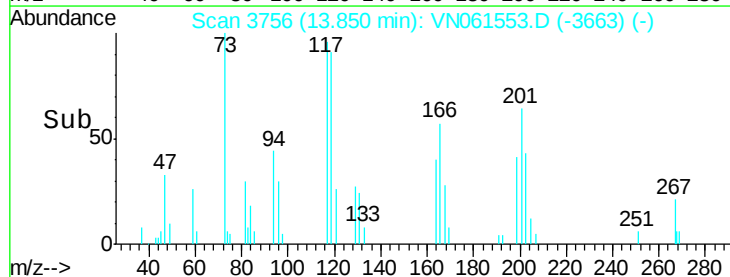
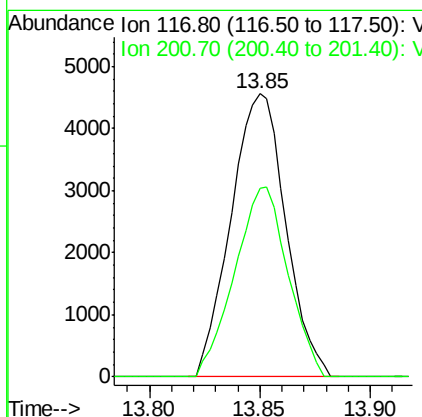
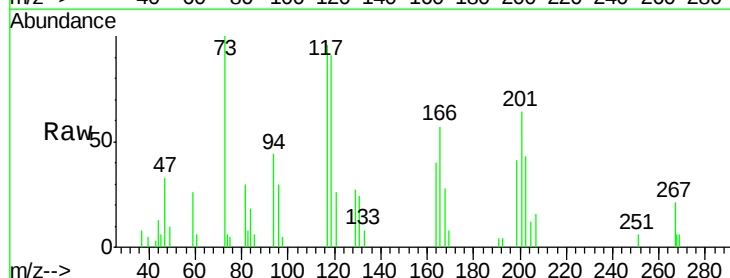
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#90
Hexachloroethane
Concen: 5.191 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.2	36.7	110.1





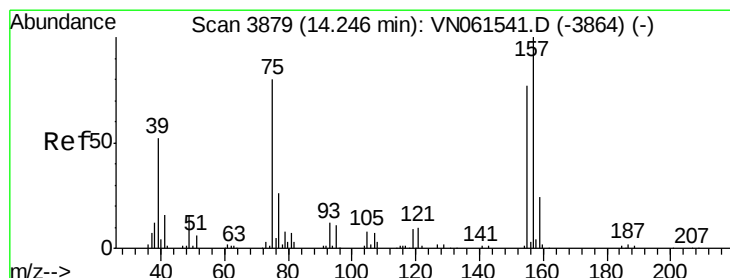
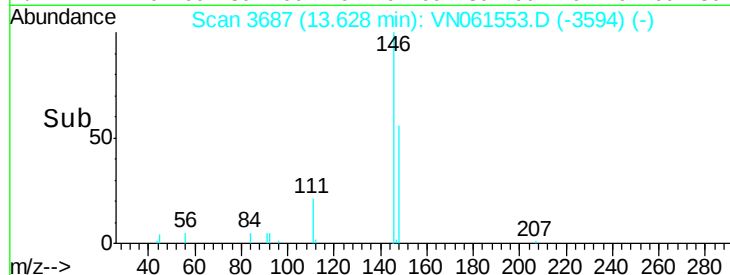
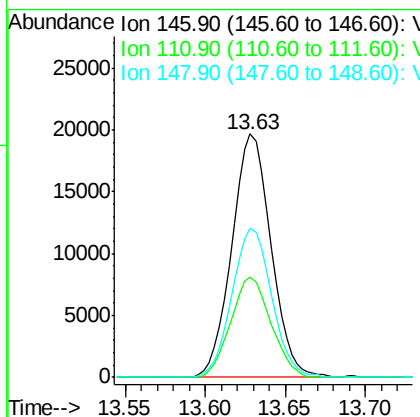
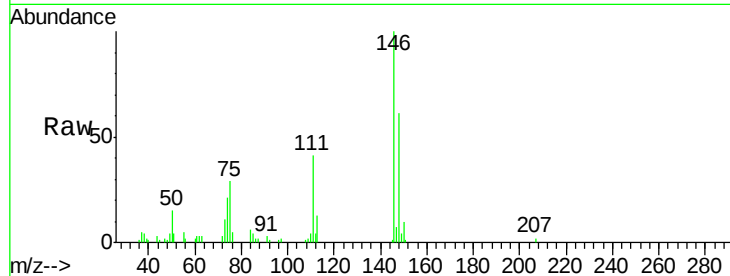
#91
 1,2-Dichlorobenzene
 Concen: 4.873 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.1	60.2
148	62.0	31.9	95.5

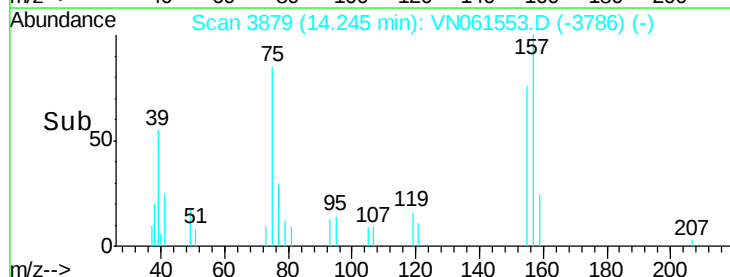
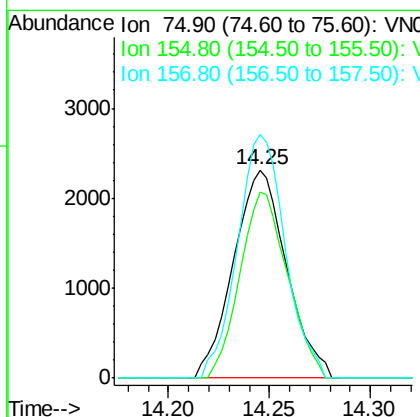
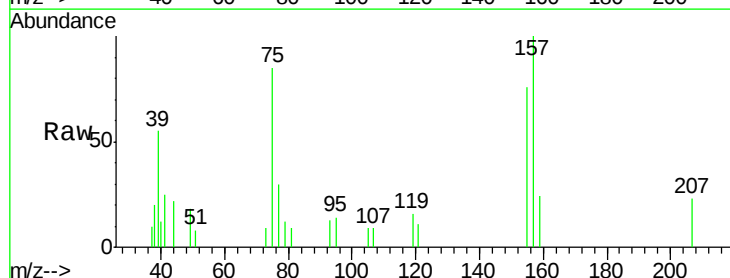
Manual Integrations
 APPROVED

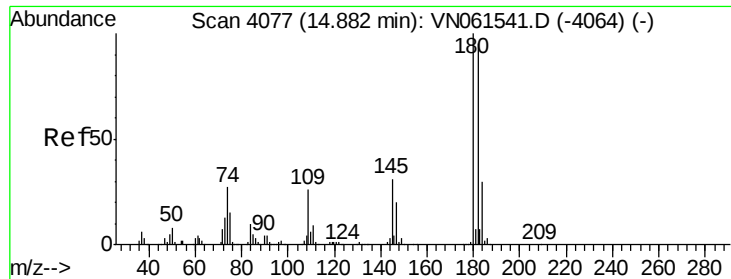
MMDadoda
 5/29/2020 5:50:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.768 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.2	47.1	141.4
157	105.3	60.3	180.8





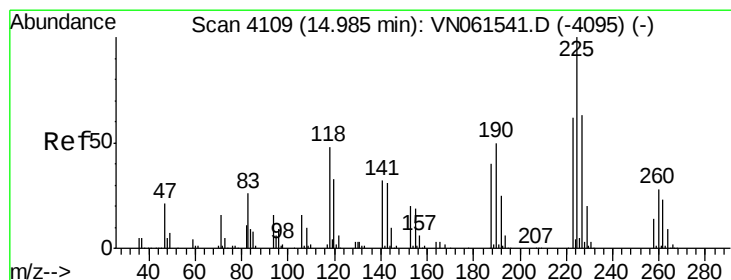
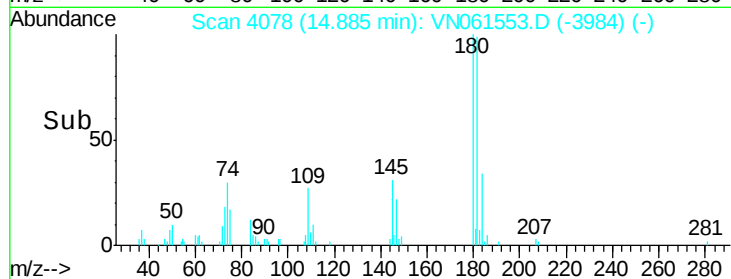
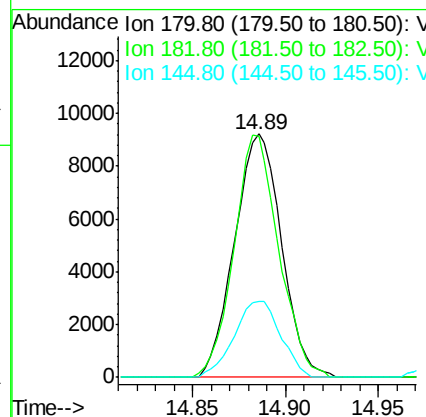
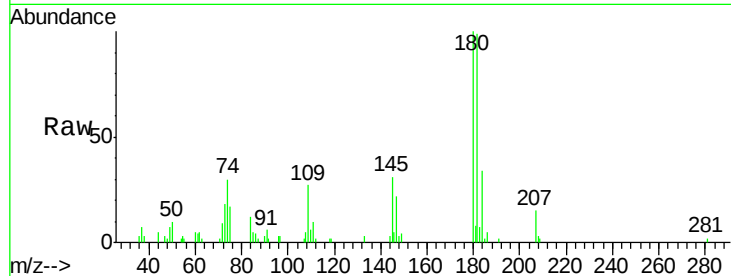
#93
 1,2,4-Trichlorobenzene
 Concen: 4.110 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.8	143.3
145	30.9	15.5	46.5

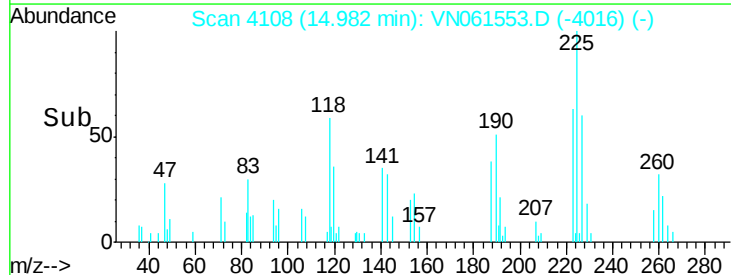
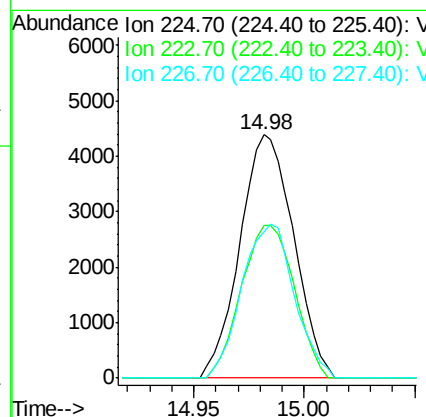
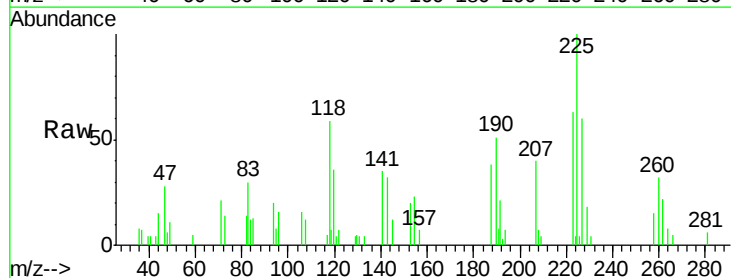
Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 5:50:35 PM



#94
 Hexachlorobutadiene
 Concen: 4.420 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.9	95.5
227	61.9	31.9	95.9





#95

Naphthalene

Concen: 4.262 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

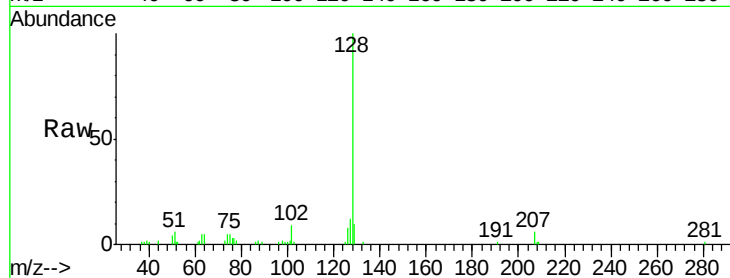
ClientSampleId :

LOQ-WATER-02-QT2-2020

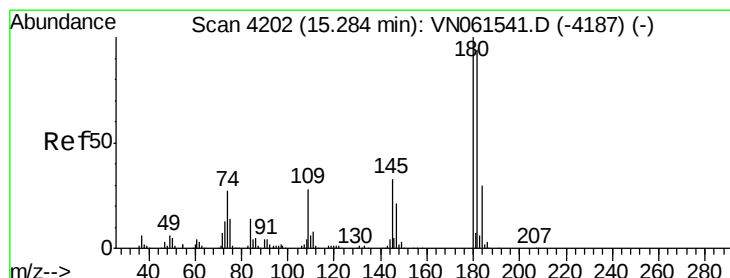
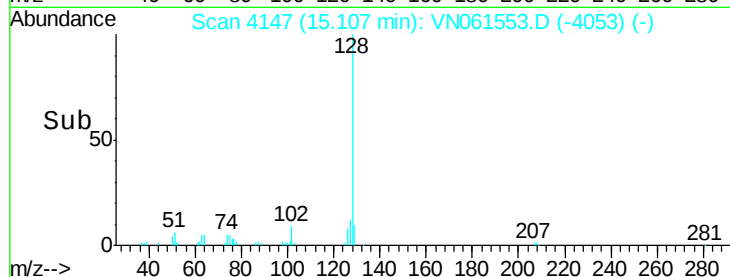
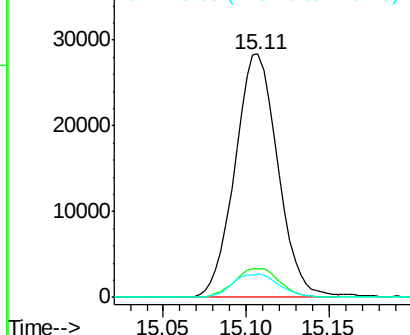
Tot Ion:	128	Resp:	51075
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.0	15.0
129	10.3	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
5/29/2020 5:50:35 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.299 ug/l

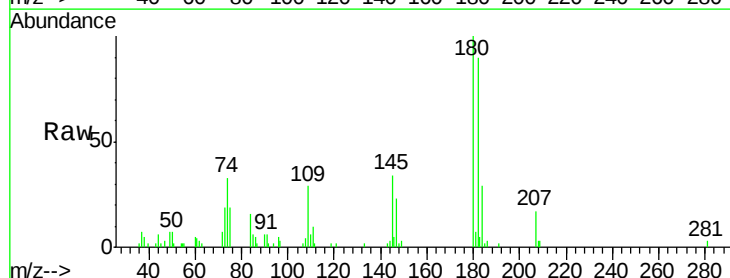
RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Tgt Ion:	180	Resp:	16643
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.1	141.3
145	35.1	16.3	48.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

