

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061401.D
 Acq On : 14 May 2020 18:30
 Operator : JC/MD
 Sample : L2182-07 2.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 LOD-MDL-WATER-01-QT2-2020

Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 2:11:00 PM

Quant Time: May 15 07:23:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 16:04:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	17746	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	103871	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	91846	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	49440	31.11	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.70%
60) 4-Bromofluorobenzene	12.38	95	44967	28.68	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.60%
63) Toluene-d8	10.06	98	131848	31.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	1891	2.340 ug/l	85
3) Chloromethane	2.03	50	4215	2.853 ug/l	96
4) Vinyl Chloride	2.16	62	5407	2.730 ug/l	96
5) Bromomethane	2.54	94	3721	3.699 ug/l	89
6) Chloroethane	2.67	64	3650	2.724 ug/l	98
7) Trichlorofluoromethane	2.98	101	5605	2.644 ug/l	96
8) Diethyl Ether	3.37	74	1637	2.428 ug/l	74
9) 1,1,2-Trichlorotrifluoroet	3.72	101	2331	2.575 ug/l	93
10) 1,1-Dichloroethene	3.70	96	2543	2.668 ug/l	82
11) Methyl Iodide	3.91	142	2969	2.878 ug/l	92
12) Methyl Acetate	4.28	43	2968	2.564 ug/l #	53
13) Acrolein	3.58	56	2883m	14.791 ug/l	
14) Acrylonitrile	4.94	53	7234	13.313 ug/l #	74
15) Acetone	3.77	58	1834m	14.055 ug/l	
16) Carbon Disulfide	4.01	76	8785	3.279 ug/l	99
17) Allyl chloride	4.28	41	5323m	2.774 ug/l	
18) Methylene Chloride	4.50	84	2991m	2.600 ug/l	
19) trans-1,2-Dichloroethene	5.00	96	3132	2.761 ug/l	86
20) Diisopropyl ether	5.90	45	11143	2.495 ug/l	98
21) 1,1-Dichloroethane	5.80	63	6051	2.594 ug/l #	92
22) cis-1,2-Dichloroethene	6.79	96	3282	2.467 ug/l	90
23) tert-Butyl Alcohol	4.73	59	2780m	15.960 ug/l	
24) Methyl tert-Butyl Ether	4.99	73	9956	2.574 ug/l #	67
25) Chloroform	7.33	83	5449	2.410 ug/l	99
26) Cyclohexane	7.61	56	5793	2.601 ug/l #	96
29) 1,1-Dichloropropene	7.75	75	4503	2.470 ug/l	97
30) 2-Butanone	6.80	43	9579	12.423 ug/l #	96
31) 2,2-Dichloropropane	6.77	77	5548	2.605 ug/l #	88
32) 1,1,1-Trichloroethane	7.53	97	5083	2.492 ug/l #	84
33) Carbon Tetrachloride	7.73	117	3222	2.058 ug/l	98
34) Benzene	8.00	78	12842	2.490 ug/l #	2
35) Methacrylonitrile	7.13	41	2073m	2.681 ug/l	
36) 1,2-Dichloroethane	8.09	62	4986	2.519 ug/l #	90
37) Trichloroethene	8.81	130	3122	2.459 ug/l	89
38) Methylcyclohexane	9.05	83	5562	2.542 ug/l	93
39) 1,2-Dichloropropane	9.09	63	3384	2.387 ug/l #	82
40) Dibromomethane	9.18	93	2283	2.607 ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	4492	2.365	ug/l	98
42) Vinyl Acetate	5.85	43	44641	12.192	ug/l	98
43) Ethyl Acetate	6.89	43	3181	1.931	ug/l	95
44) Isopropyl Acetate	8.13	43	7911	2.474	ug/l #	88
45) 1,4-Dioxane	9.17	88	874	69.259	ug/l #	73
46) Methyl methacrylate	9.17	41	3665	2.437	ug/l	95
47) n-amyl Acetate	12.05	43	6787	2.380	ug/l	94
48) t-1,3-Dichloropropene	10.35	75	5331	2.378	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	5663	2.388	ug/l	94
50) 1,1,2-Trichloroethane	10.54	97	2892	2.389	ug/l	96
51) Ethyl methacrylate	10.40	69	4824	2.313	ug/l	98
52) 1,3-Dichloropropane	10.68	76	5252	2.376	ug/l	97
53) Dibromochloromethane	10.88	129	2903	2.188	ug/l	98
54) 1,2-Dibromoethane	10.98	107	3057	2.447	ug/l	97
55) 2-Chloroethyl vinyl ether	9.66	63	10785	11.683	ug/l	100
56) Bromoform	12.10	173	1699	2.037	ug/l #	69
58) 4-Methyl-2-Pentanone	9.95	43	22112	13.212	ug/l	97
59) 2-Hexanone	10.72	43	15918	13.446	ug/l	99
61) Tetrachloroethene	10.60	164	2687	2.339	ug/l	87
62) Toluene	10.12	91	13375	2.511	ug/l	99
64) Chlorobenzene	11.41	112	8025	2.546	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	2564	2.226	ug/l	93
66) Ethyl Benzene	11.49	91	14747	2.413	ug/l	99
67) m/p-Xylenes	11.59	106	10923	4.840	ug/l	99
68) o-Xylene	11.92	106	4957	2.301	ug/l	94
69) Styrene	11.94	104	8018	2.163	ug/l	97
70) Isopropylbenzene	12.22	105	13803	2.365	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	4168	2.585	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	3656m	2.377	ug/l	
73) Bromobenzene	12.50	156	2826	2.331	ug/l	83
74) n-propylbenzene	12.57	91	16370	2.359	ug/l	99
75) 2-Chlorotoluene	12.65	91	9861	2.478	ug/l	92
76) 1,3,5-Trimethylbenzene	12.71	105	11093	2.265	ug/l	98
77) t-1,4-Dichloro-2-butene	12.28	75	1400	2.187	ug/l	94
78) 4-Chlorotoluene	12.75	91	9783	2.348	ug/l	93
79) tert-butylbenzene	12.97	119	9599	2.359	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	11298	2.311	ug/l	98
81) sec-Butylbenzene	13.15	105	13014	2.322	ug/l	98
82) p-Isopropyltoluene	13.27	119	11340	2.247	ug/l	96
83) 1,3-Dichlorobenzene	13.26	146	5128	2.276	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	5025	2.254	ug/l	99
85) n-Butylbenzene	13.59	91	11075	2.370	ug/l	99
86) Hexachloroethane	13.85	117	1614	2.294	ug/l	78
87) 1,2-Dichlorobenzene	13.63	146	4851	2.270	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.25	75	840	2.444	ug/l #	76
89) 1,2,4-Trichlorobenzene	14.89	180	2738	2.230	ug/l	94
90) Hexachlorobutadiene	14.99	225	1307	2.613	ug/l	95
91) Naphthalene	15.11	128	10795	2.795	ug/l	98
92) 1,2,3-Trichlorobenzene	15.29	180	3045	2.553	ug/l	98

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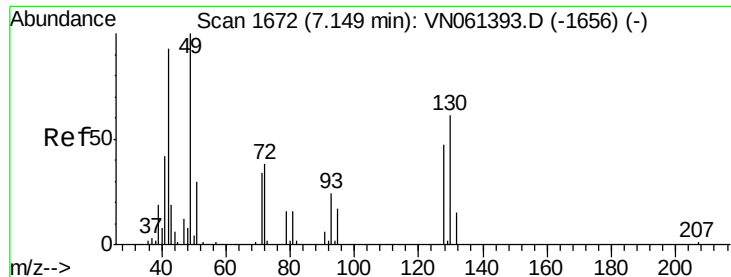
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:128 Resp: 17746

Ion Ratio Lower Upper

128 100

49 213.5 0.0 453.5

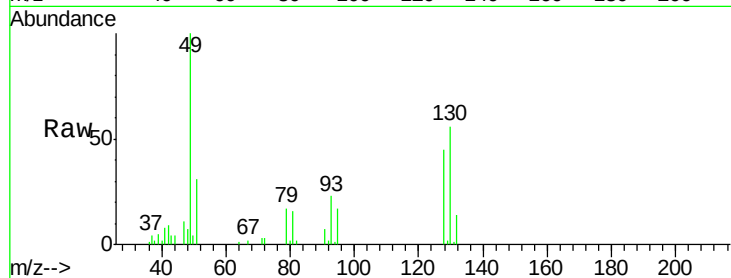
130 126.5 0.0 314.2

Manual Integrations

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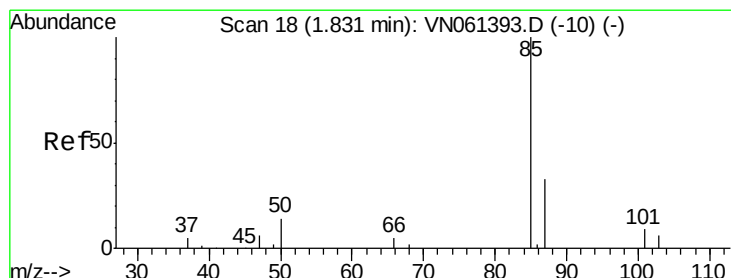
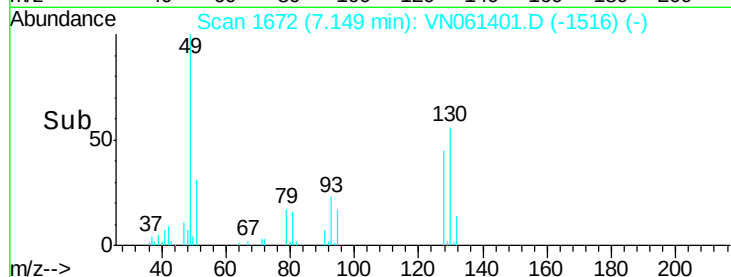
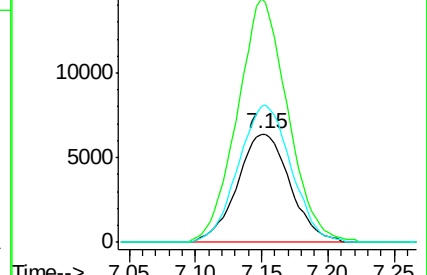
5/15/2020 2:11:00 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 2.340 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061401.D

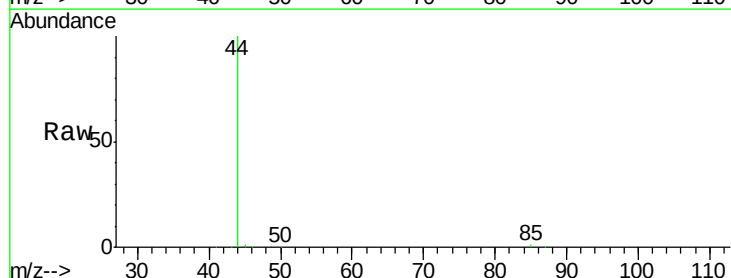
Acq: 14 May 2020 18:30

Tgt Ion: 85 Resp: 1891

Ion Ratio Lower Upper

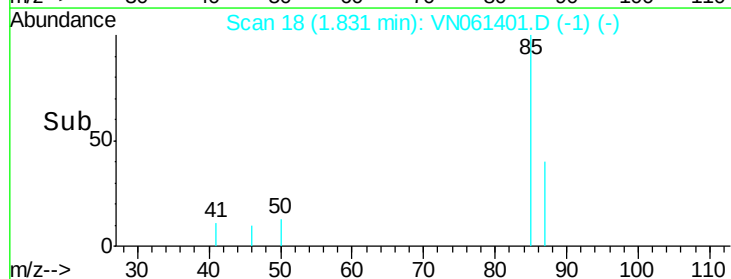
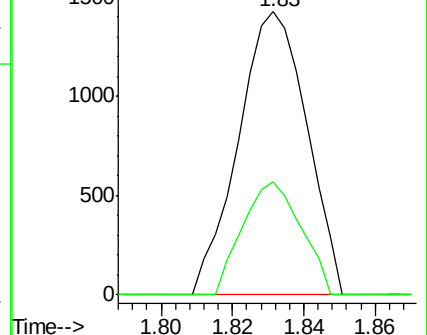
85 100

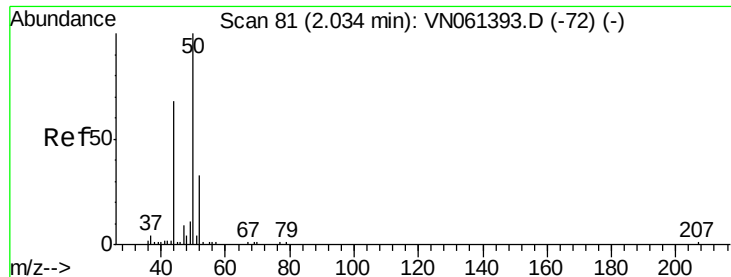
87 39.7 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 2.853 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 50 Resp: 4215

Ion Ratio Lower Upper

50 100

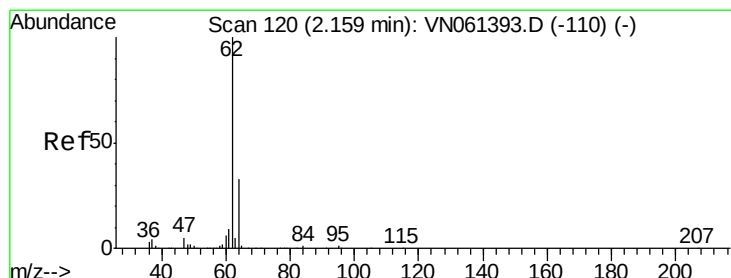
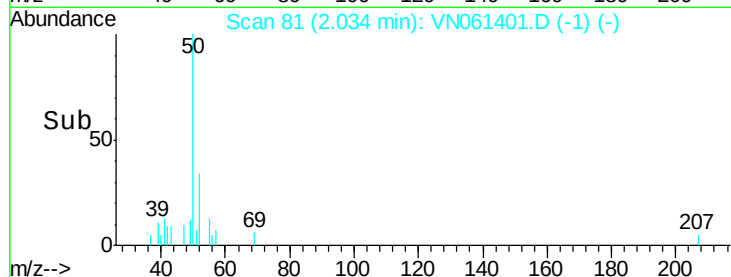
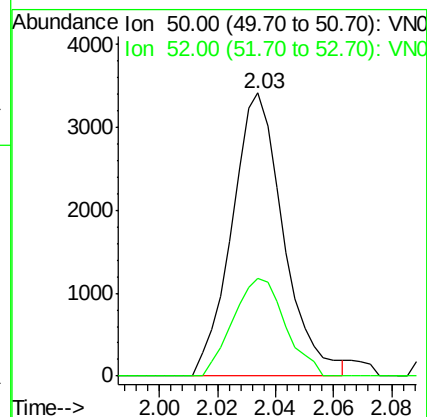
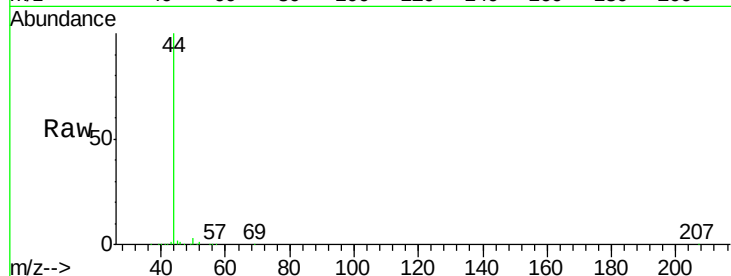
52 34.4 25.8 38.8

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#4

Vinyl Chloride

Concen: 2.730 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061401.D

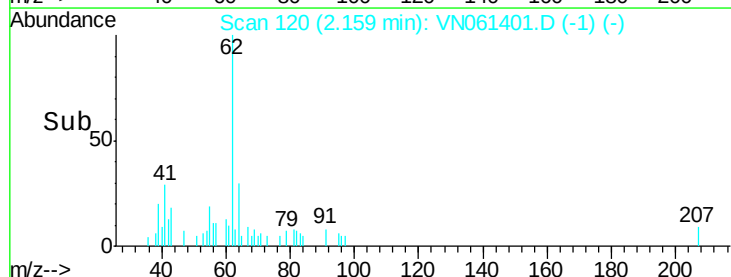
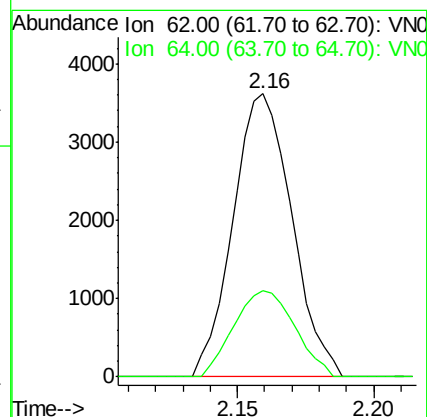
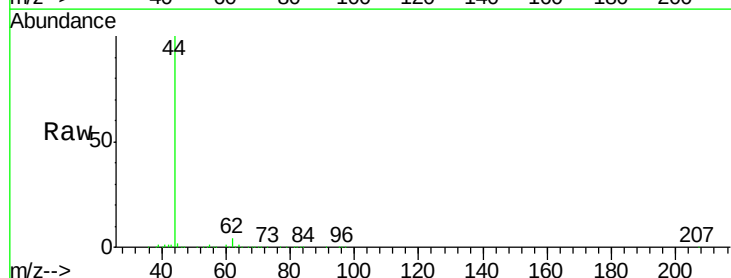
Acq: 14 May 2020 18:30

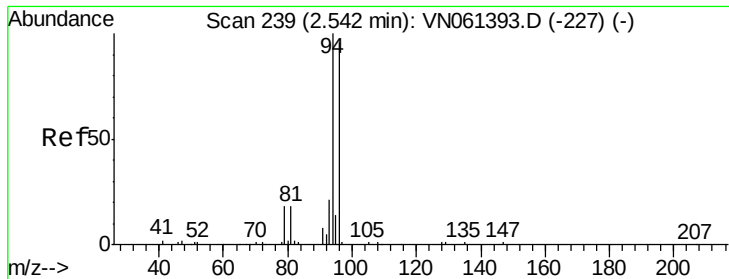
Tgt Ion: 62 Resp: 5407

Ion Ratio Lower Upper

62 100

64 30.5 26.1 39.1





#5

Bromomethane

Concen: 3.699 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 94 Resp: 3721

Ion Ratio Lower Upper

94 100

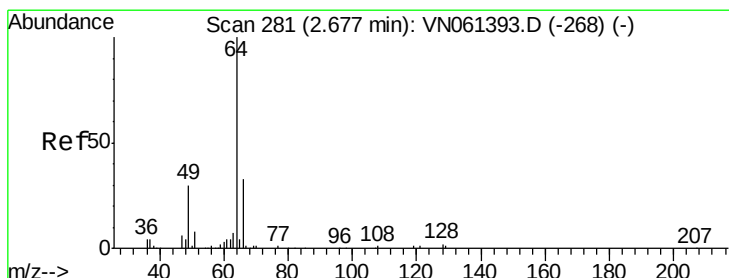
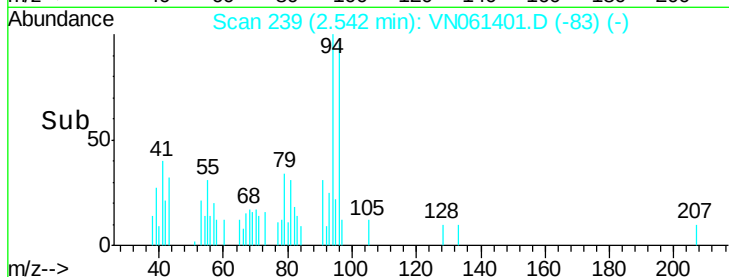
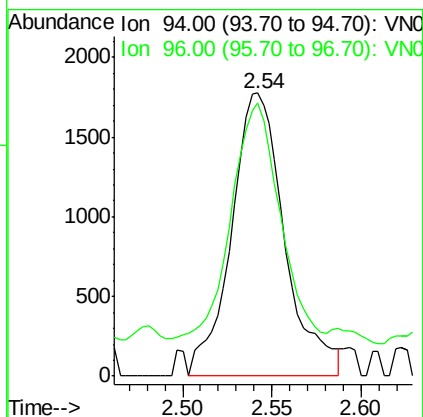
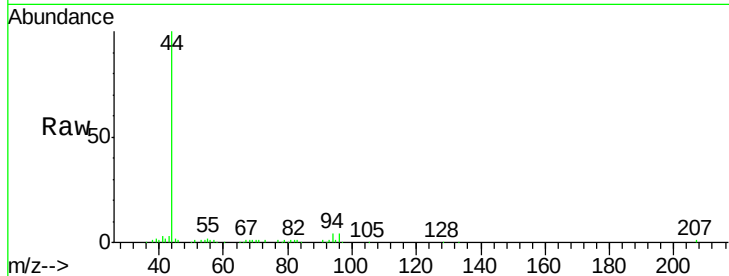
96 81.4 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 2.724 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN061401.D

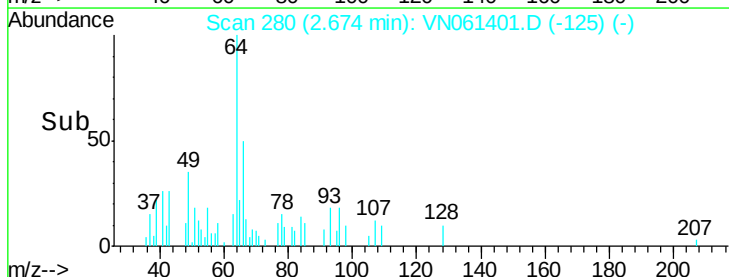
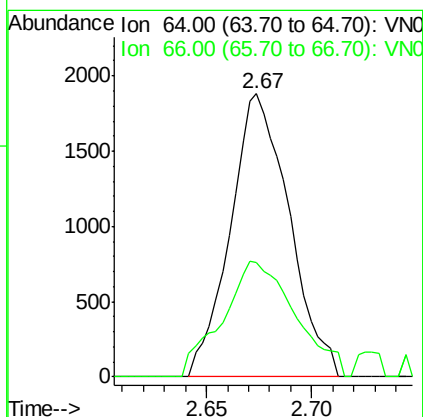
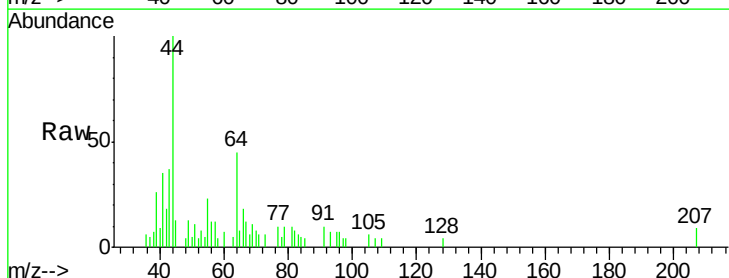
Acq: 14 May 2020 18:30

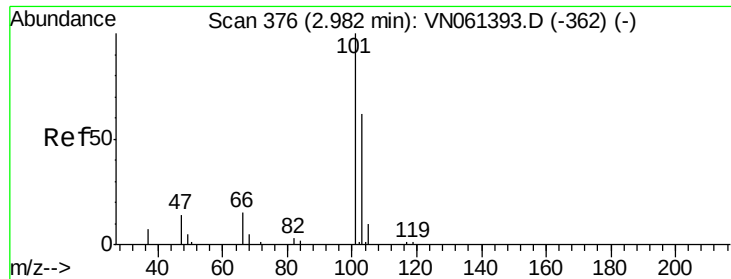
Tgt Ion: 64 Resp: 3650

Ion Ratio Lower Upper

64 100

66 31.9 24.6 36.8





#7

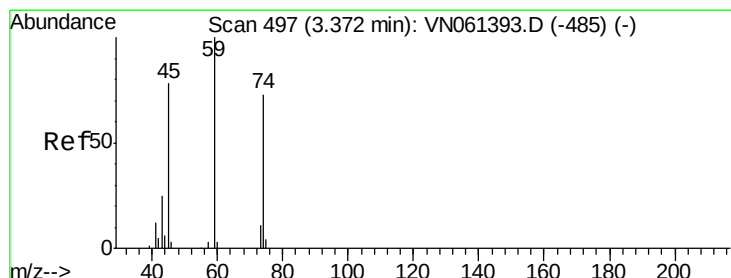
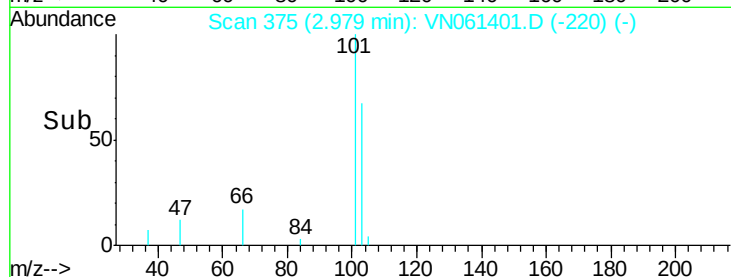
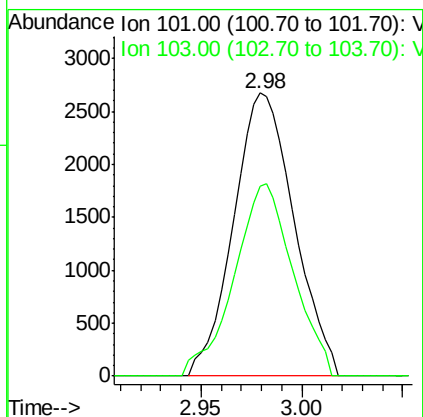
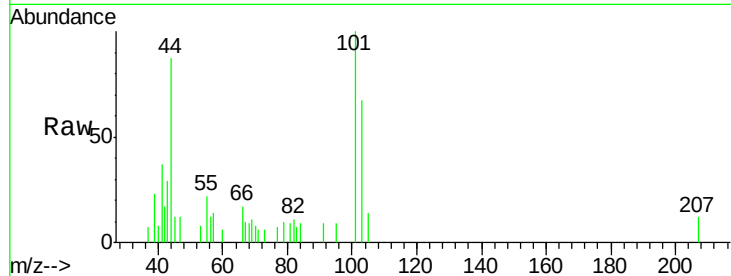
Trichlorofluoromethane
 Concen: 2.644 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Instrument :
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 LOD-MDL-WATER-01-QT2-2020

Tot Ion: 101 Resp: 5605
 Ion Ratio Lower Upper
 101 100
 103 67.2 51.5 77.3

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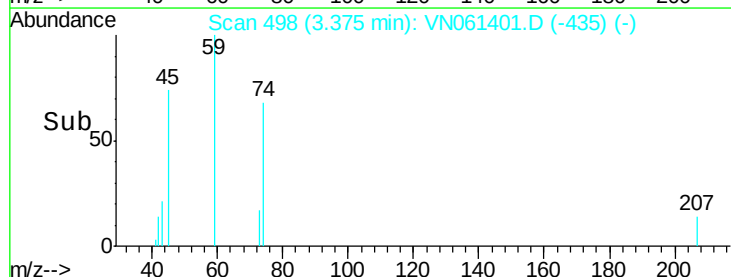
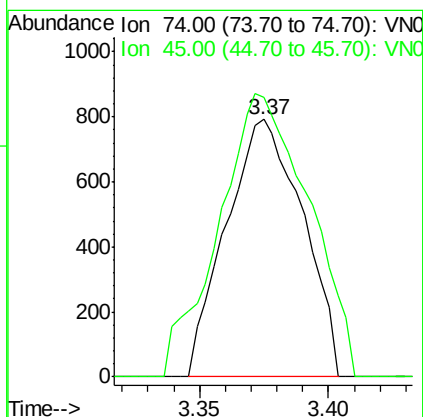
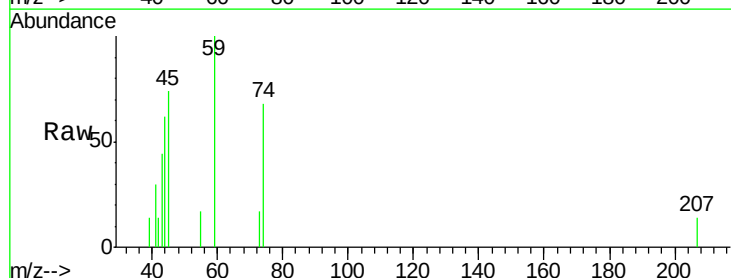
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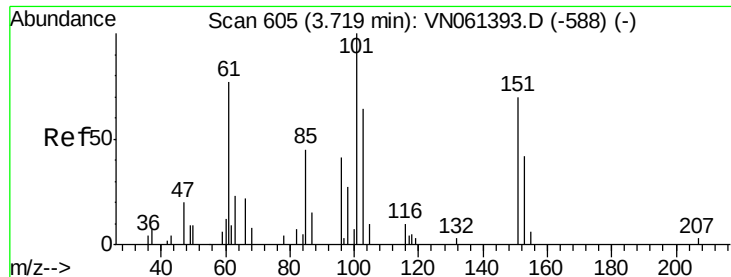


#8

Diethyl Ether
 Concen: 2.428 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Tgt Ion: 74 Resp: 1637
 Ion Ratio Lower Upper
 74 100
 45 129.4 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.575 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

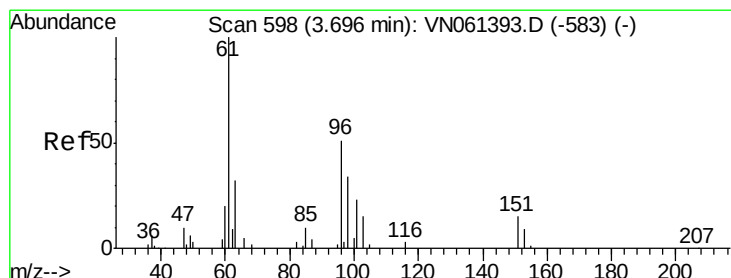
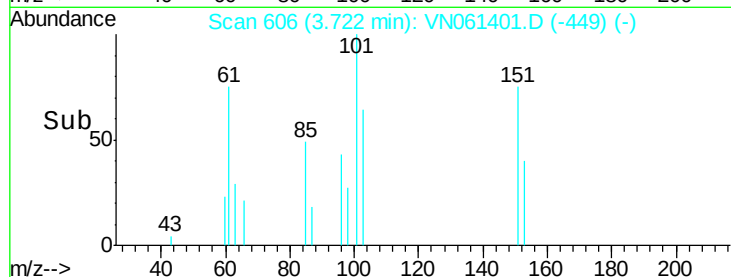
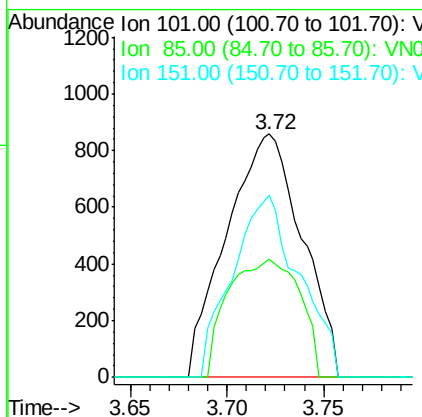
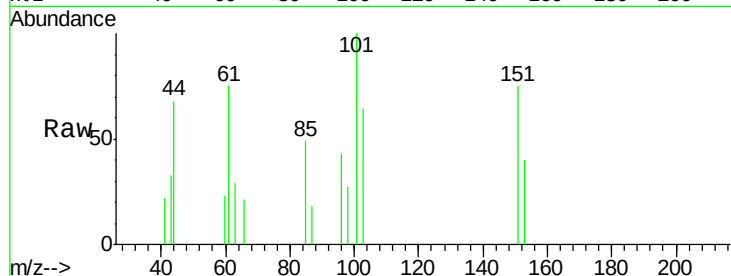
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	101	Resp:	2331
Ion Ratio	Lower	Upper	
101	100		
85	46.0	0.0	93.8
151	66.1	0.0	149.6

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#10

1,1-Dichloroethene

Concen: 2.668 ug/l

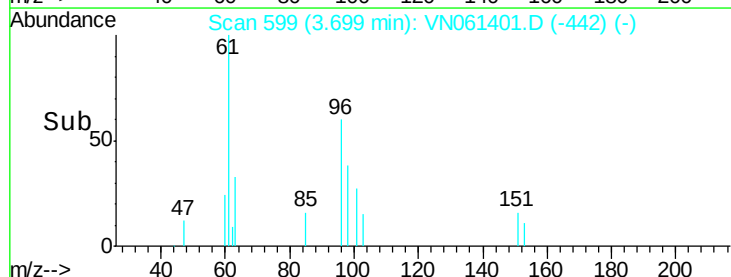
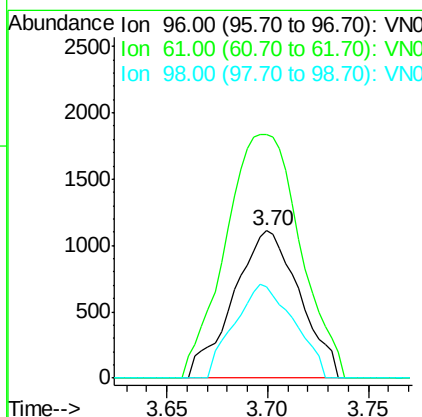
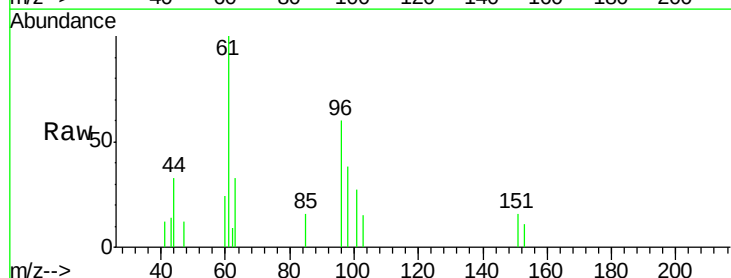
RT: 3.70 min Scan# 599

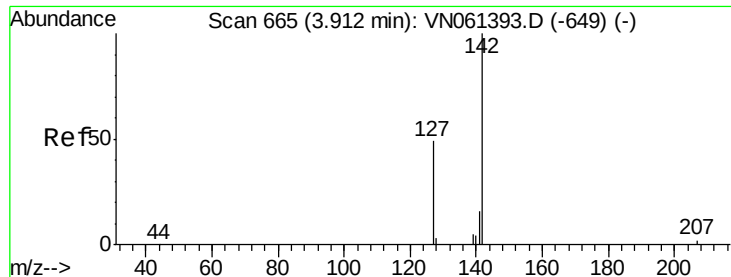
Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Tgt Ion:	96	Resp:	2543
Ion Ratio	Lower	Upper	
96	100		
61	150.6	148.5	222.7
98	62.3	51.0	76.6





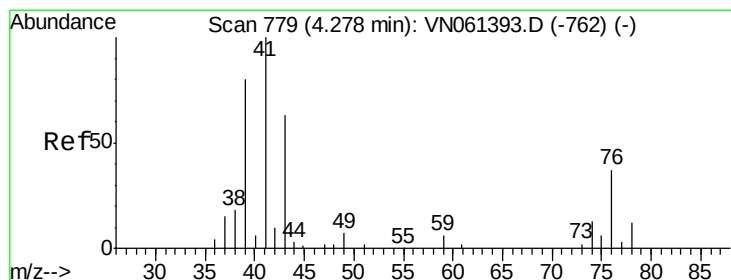
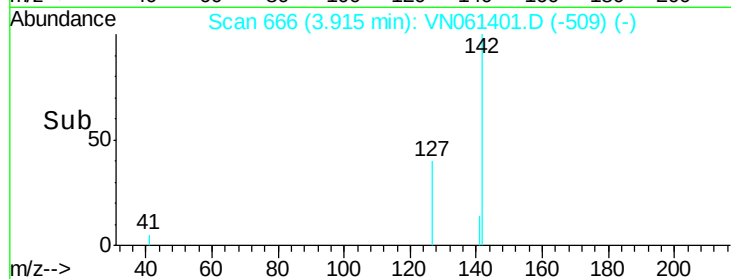
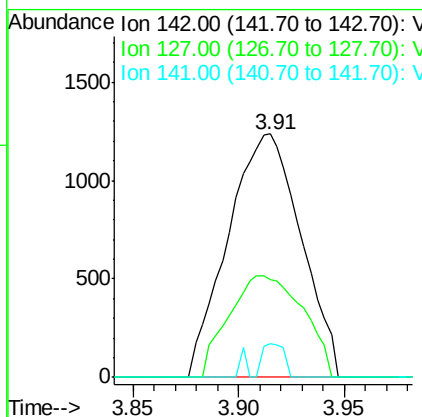
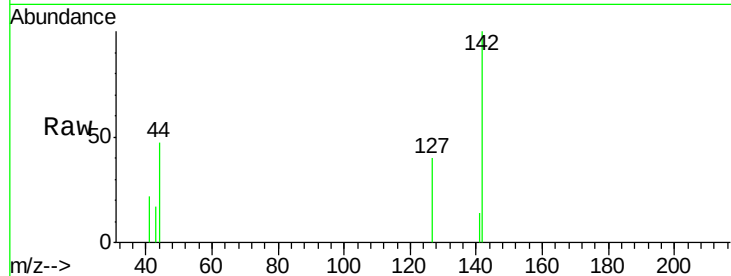
#11
Methvl Iodide
Concen: 2.878 ug/l
RT: 3.91 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.2	23.5	70.6
141	14.1	7.4	22.2

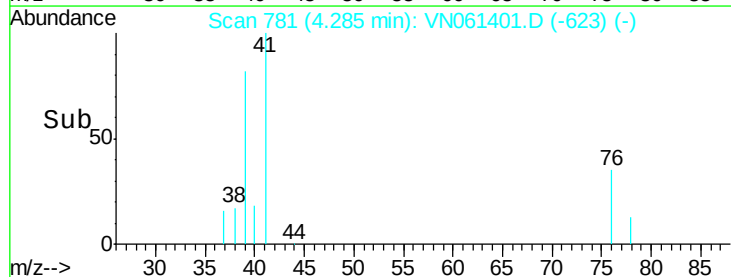
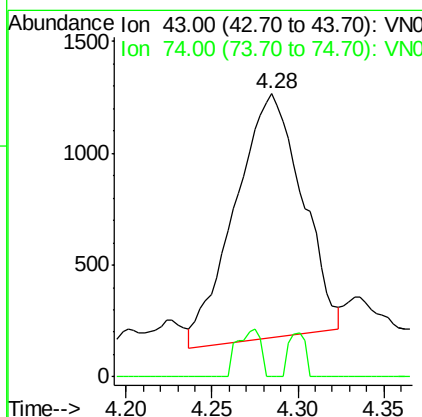
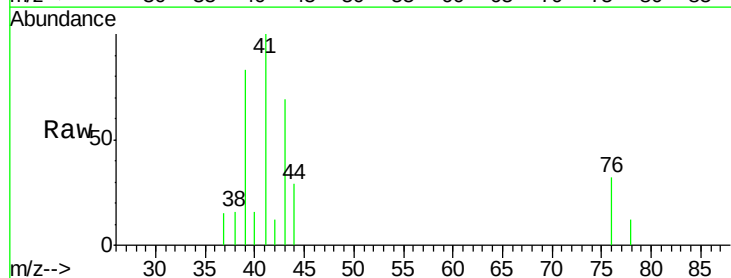
Manual Integrations
APPROVED

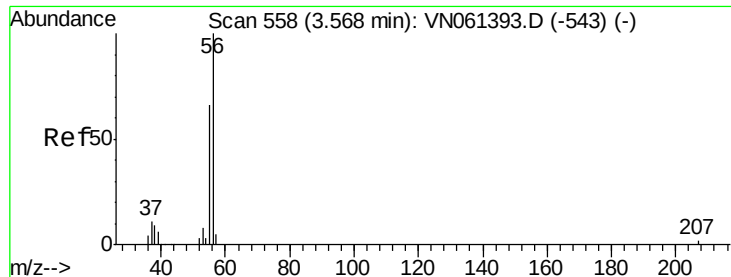
MMDadoda
5/15/2020 2:11:00 PM



#12
Methyl Acetate
Concen: 2.564 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	0.0	18.1	27.1#





#13

Acrolein

Concen: 14.791 ug/l m

RT: 3.58 min Scan# 561

Delta R.T. 0.01 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 56 Resp: 2883

Ion Ratio Lower Upper

56 100

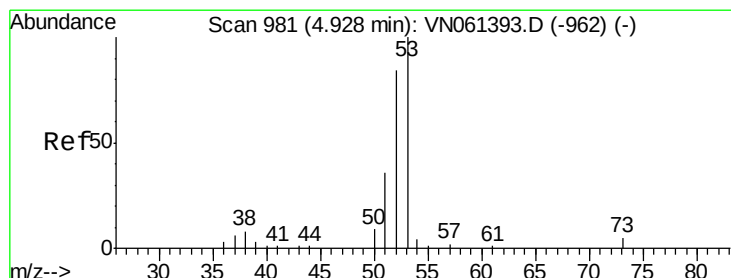
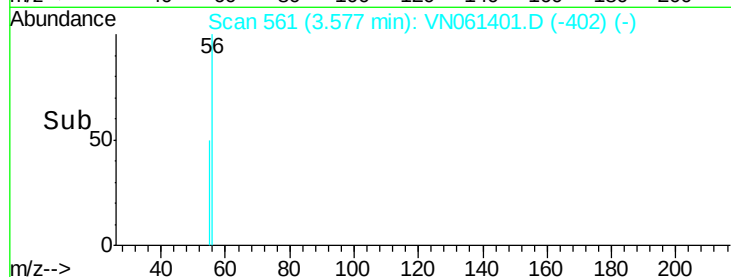
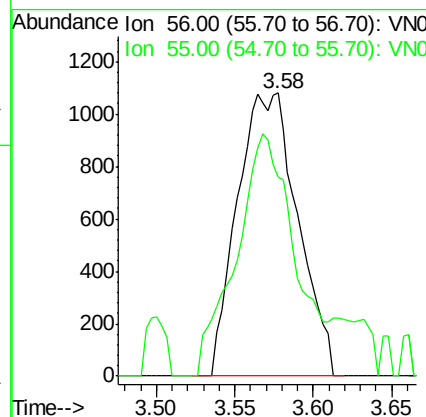
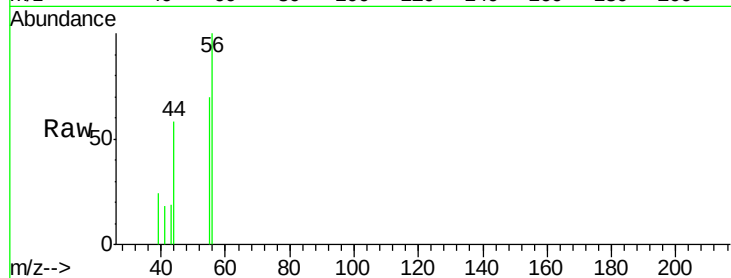
55 1.4 55.9 83.9#

Manual Integrations

APPROVED

MMDadoda

5/15/2020 2:11:00 PM



#14

Acrylonitrile

Concen: 13.313 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.01 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

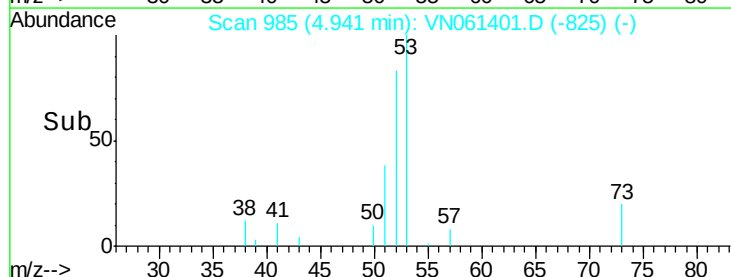
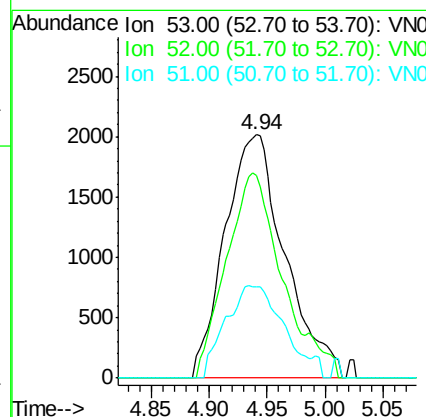
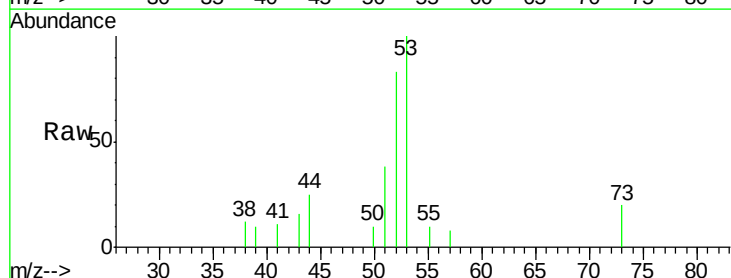
Tgt Ion: 53 Resp: 7234

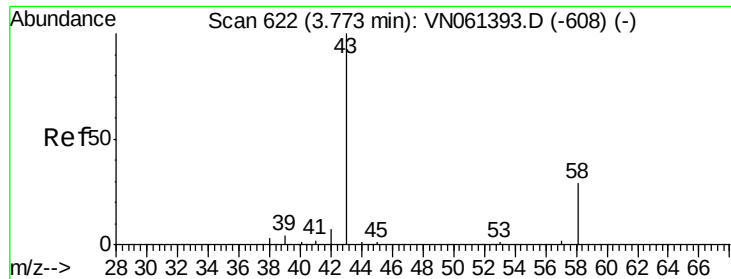
Ion Ratio Lower Upper

53 100

52 73.5 42.2 126.6

51 2.4 18.8 56.4#





#15

Acetone

Concen: 14.055 ug/l m

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Tot Ion: 58 Resp: 1834

Ion Ratio Lower Upper

58 100

43 383.0 281.7 422.5

Instrument :

MSVOA_N

ClientSampleId :

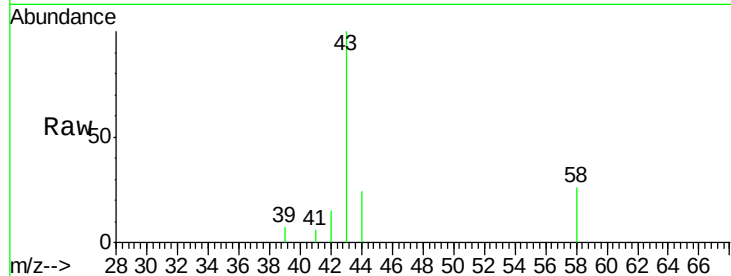
LOD-MDL-WATER-01-QT2-2020

Manual Integrations

APPROVED

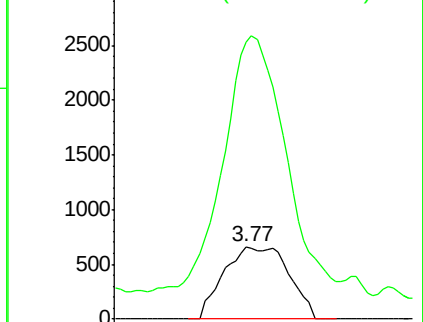
MMDadoda

5/15/2020 2:11:00 PM

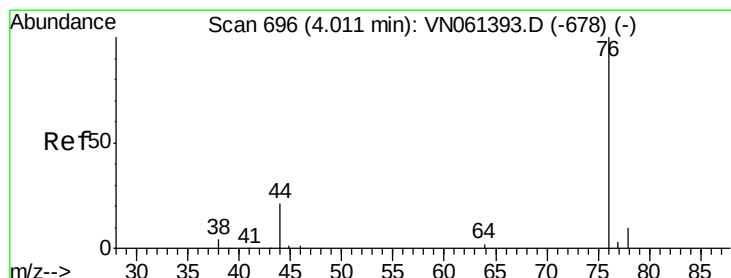
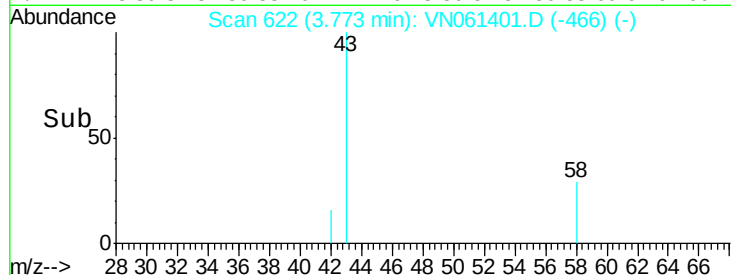


Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



Time--> 3.70 3.75 3.80 3.85



#16

Carbon Disulfide

Concen: 3.279 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061401.D

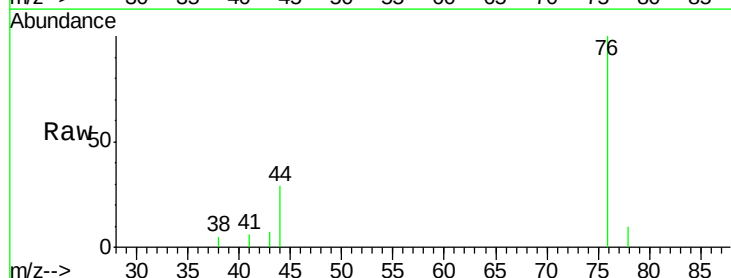
Acq: 14 May 2020 18:30

Tgt Ion: 76 Resp: 8785

Ion Ratio Lower Upper

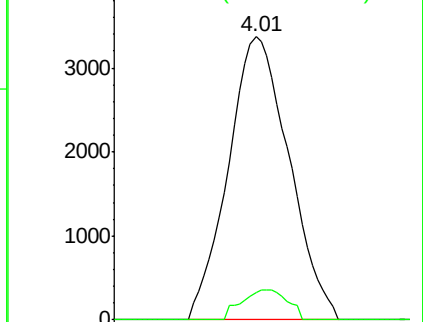
76 100

78 9.6 7.4 11.0

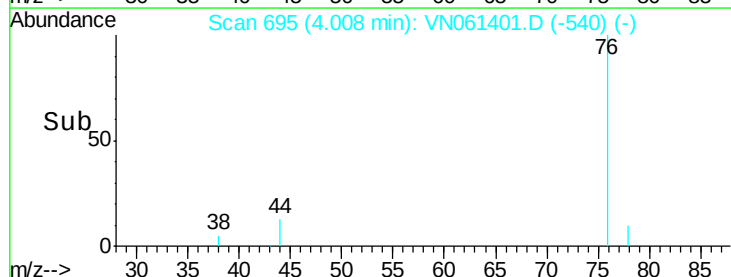


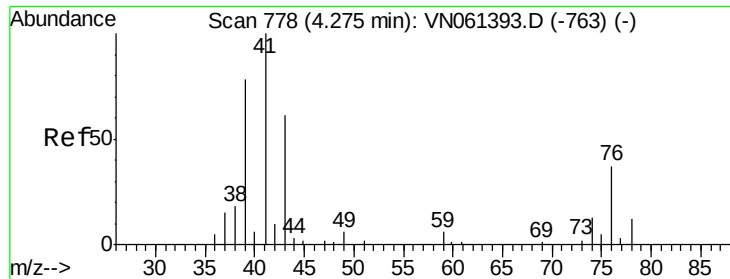
Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0



Time--> 3.95 4.00 4.05





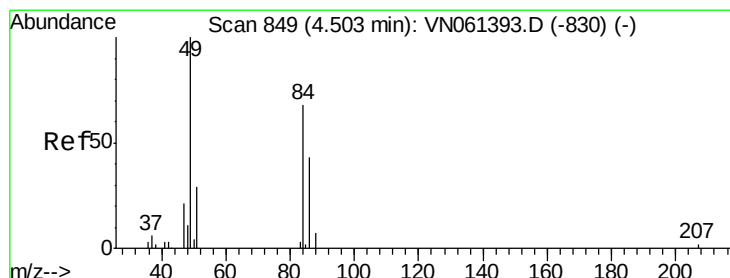
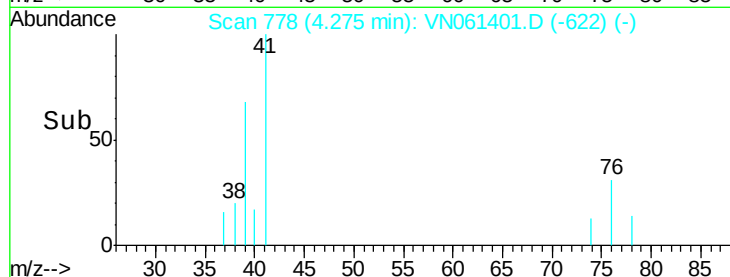
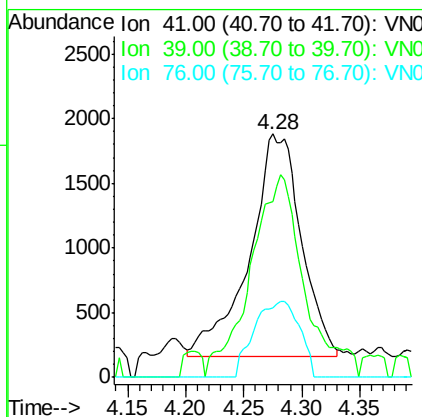
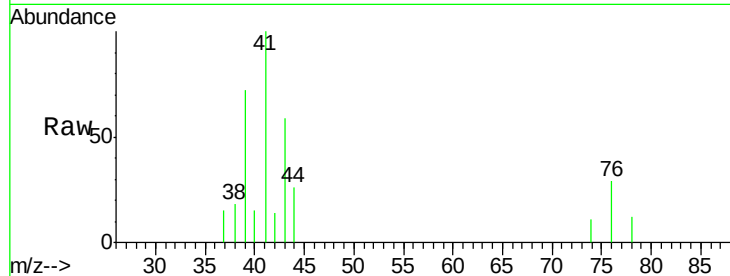
#17
Allvl chloride
Concen: 2.774 ug/l m
RT: 4.28 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.2	39.6	118.8
76	28.7	17.6	52.9

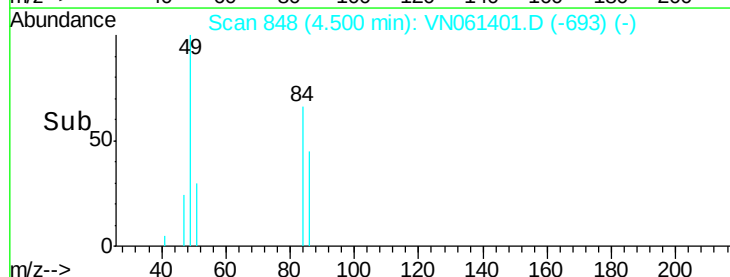
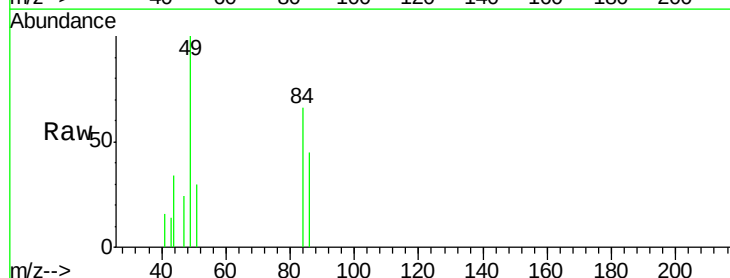
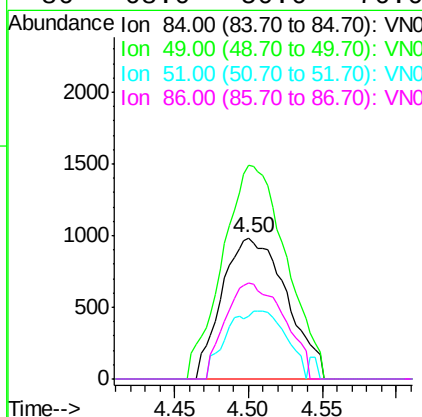
Manual Integrations
APPROVED

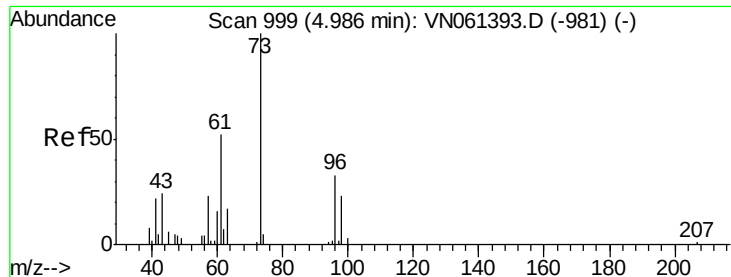
MMDadoda
5/15/2020 2:11:00 PM



#18
Methylene Chloride
Concen: 2.600 ug/l m
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	151.6	106.6	160.0
51	44.9	32.4	48.6
86	68.0	50.6	76.0





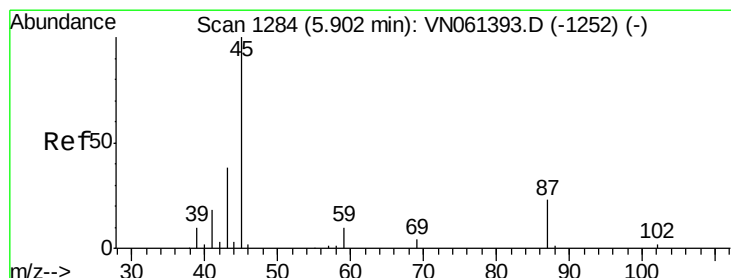
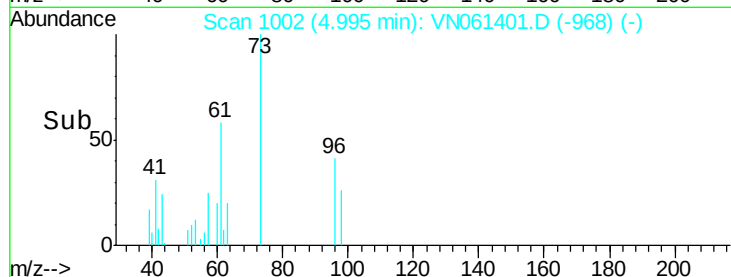
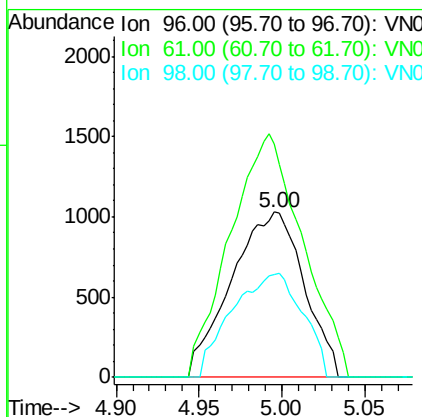
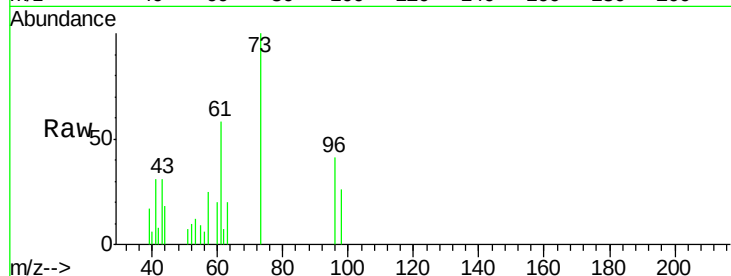
#19
trans-1,2-Dichloroethene
Concen: 2.761 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.7	131.8	197.6
98	62.4	52.6	79.0

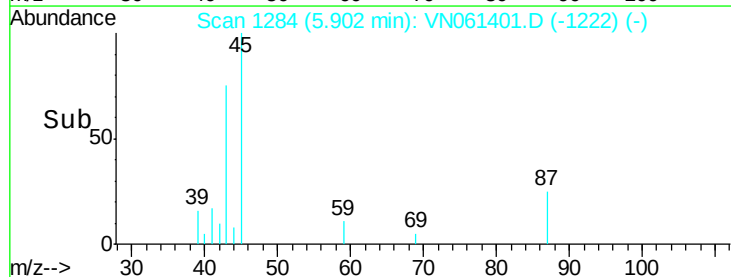
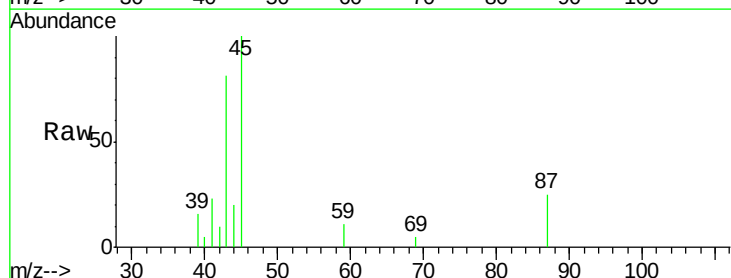
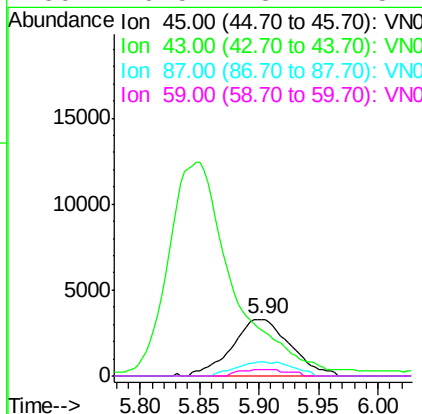
Manual Integrations
APPROVED

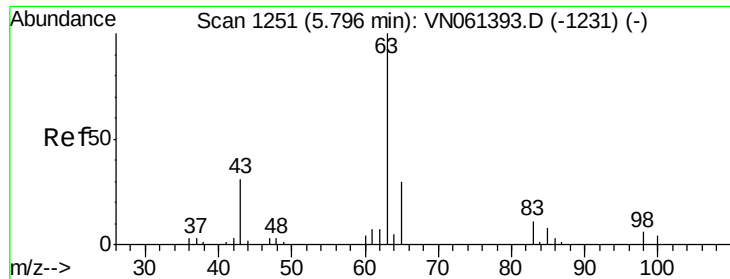
MMDadoda
5/15/2020 2:11:00 PM



#20
Diisopropyl ether
Concen: 2.495 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.8	54.7	82.1
87	24.6	21.5	32.3
59	10.5	8.7	13.1





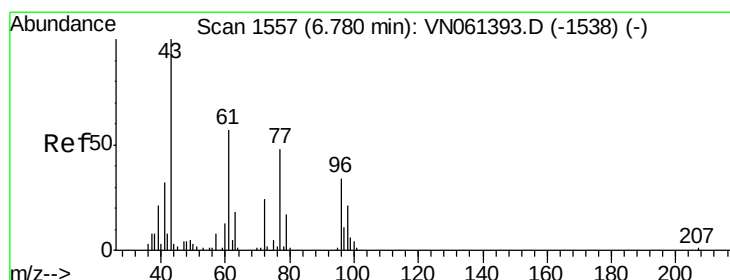
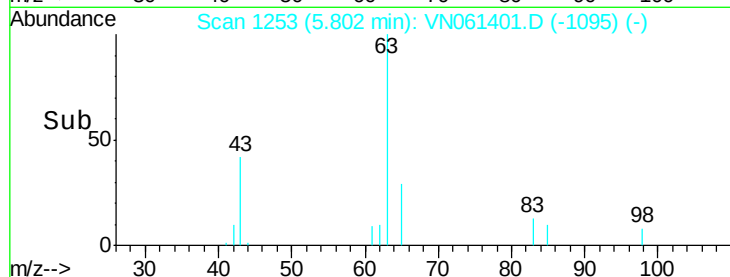
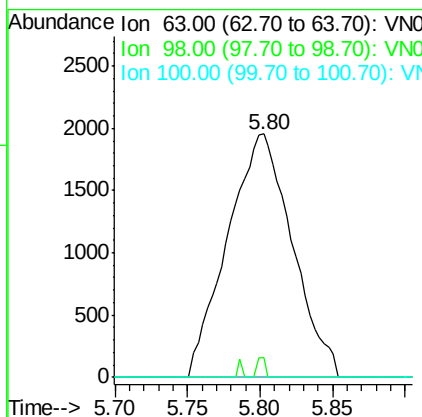
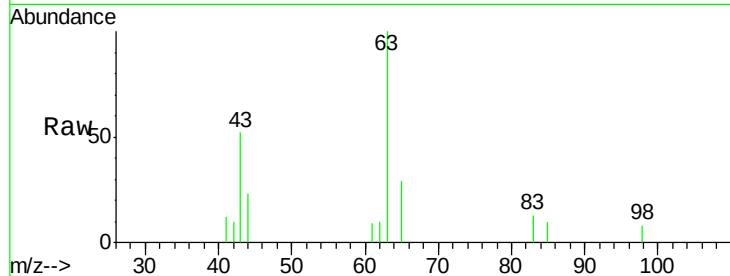
#21
 1,1-Dichloroethane
 Concen: 2.594 ug/l
 RT: 5.80 min Scan# 1253
 Delta R.T. 0.01 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
63	100	6051		
98	7.9		2.9	8.6
100	0.0		1.8	5.5#

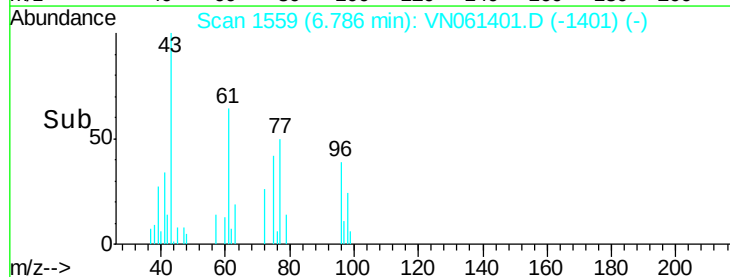
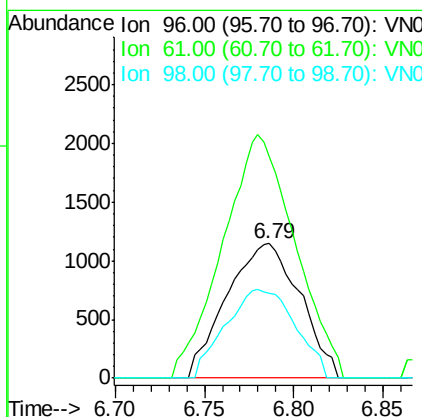
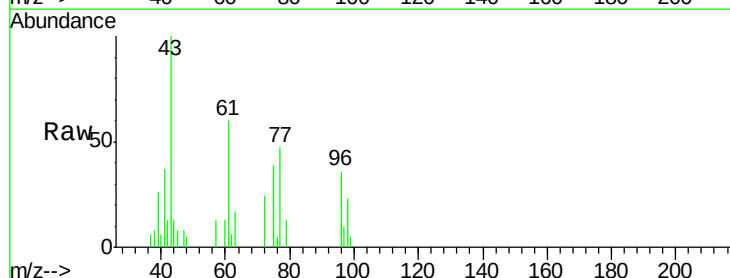
Manual Integrations
 APPROVED

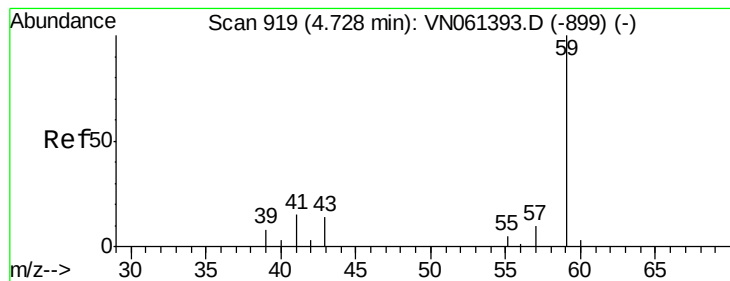
MMDadoda
 5/15/2020 2:11:00 PM



#22
 cis-1,2-Dichloroethene
 Concen: 2.467 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. 0.01 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	3282		
61	177.5		127.2	190.8
98	62.7		50.5	75.7





#23

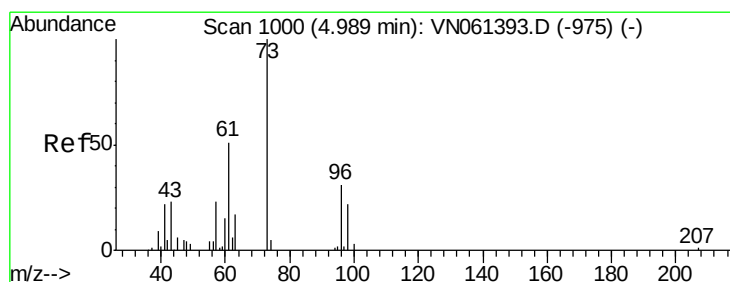
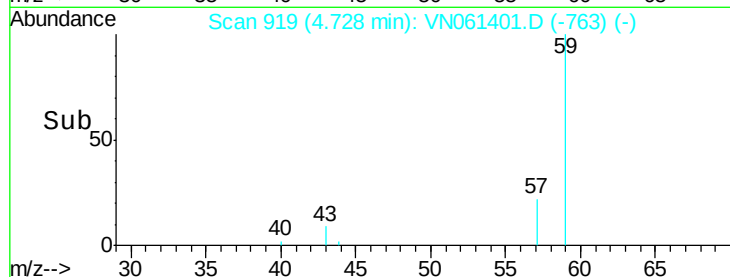
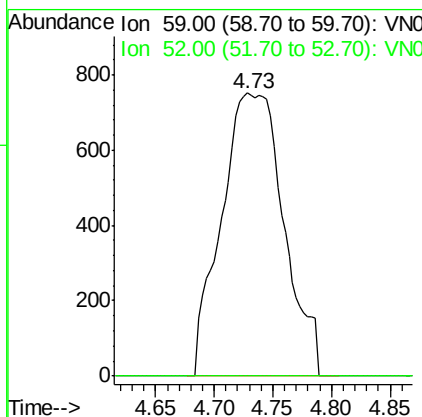
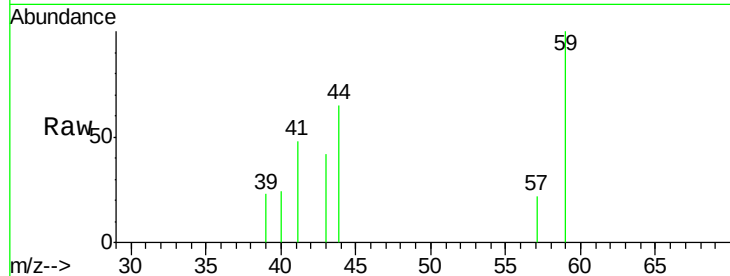
tert-Butyl Alcohol
 Concen: 15.960 ug/l m
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion: 59 Resp: 2780
 Ion Ratio Lower Upper
 59 100
 52 191.3 0.0 0.0#

Manual Integrations
 APPROVED

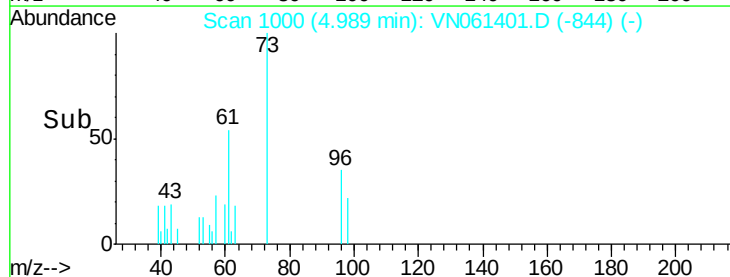
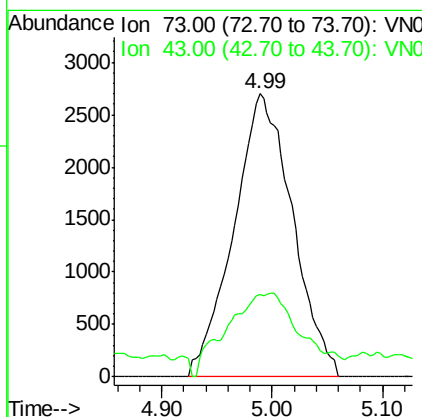
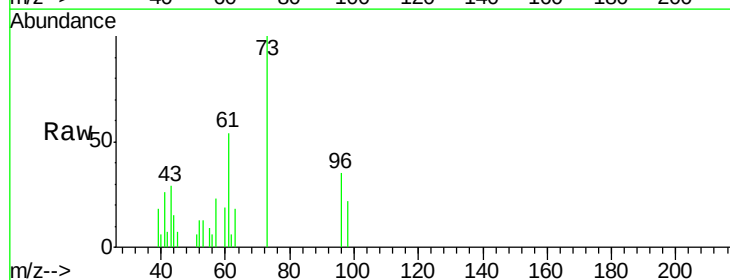
MMDadoda
 5/15/2020 2:11:00 PM

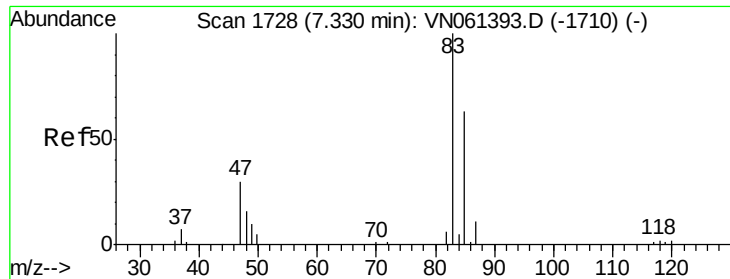


#24

Methyl tert-Butyl Ether
 Concen: 2.574 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Tgt Ion: 73 Resp: 9956
 Ion Ratio Lower Upper
 73 100
 43 6.8 17.9 26.9#





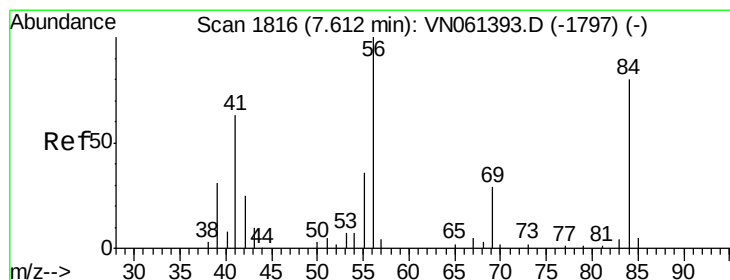
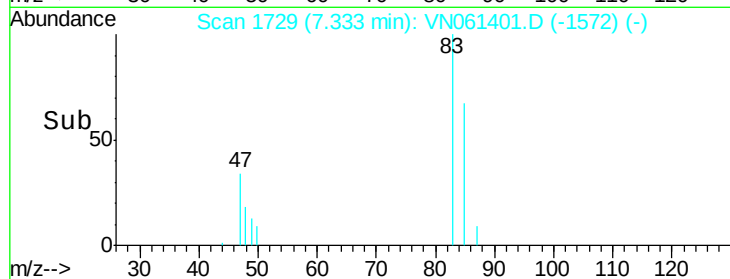
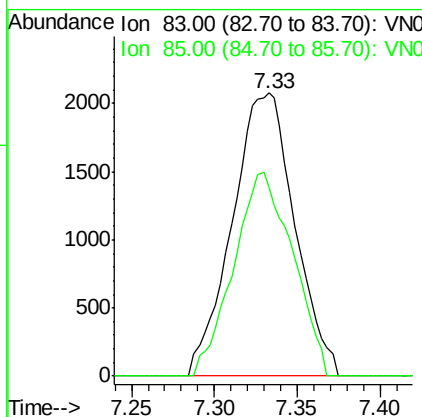
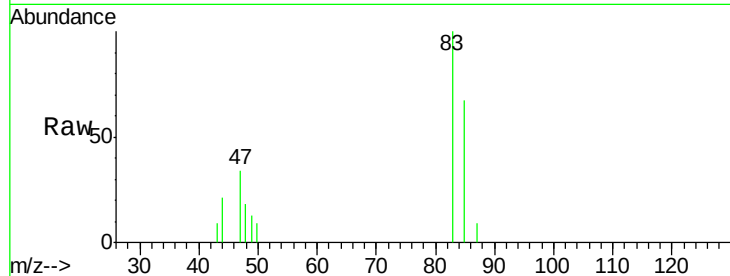
#25
Chloroform
Concen: 2.410 ug/l
RT: 7.33 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion: 83 Resp: 5449
Ion Ratio Lower Upper
83 100
85 66.5 53.8 80.8

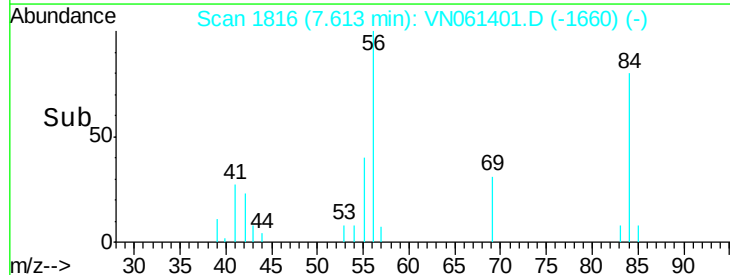
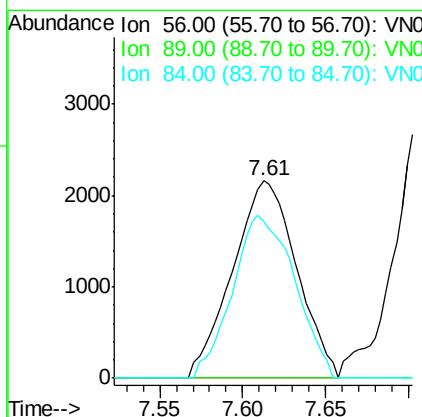
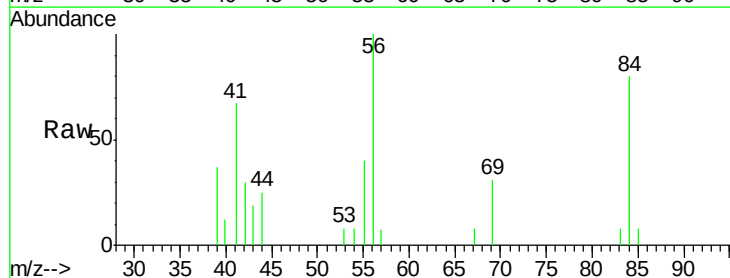
Manual Integrations
APPROVED

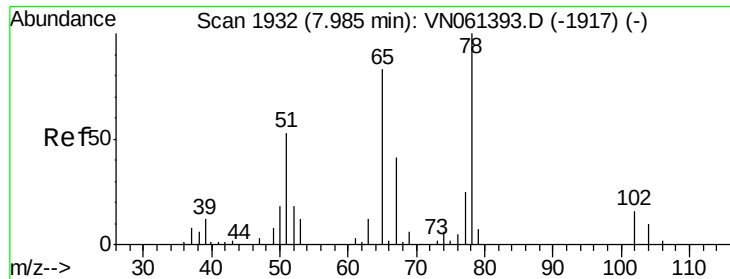
MMDadoda
5/15/2020 2:11:00 PM



#26
Cyclohexane
Concen: 2.601 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion: 56 Resp: 5793
Ion Ratio Lower Upper
56 100
89 0.0 6.2 9.2#
84 80.3 65.6 98.4





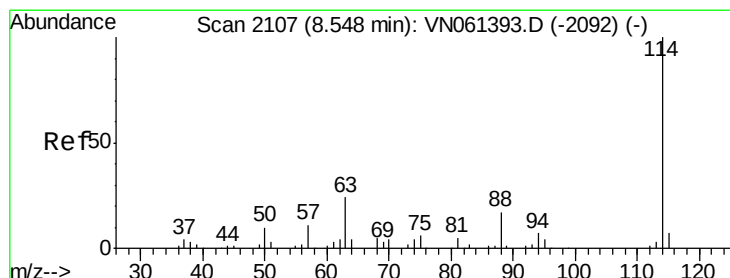
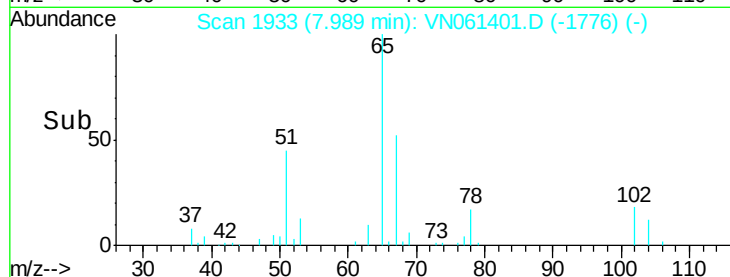
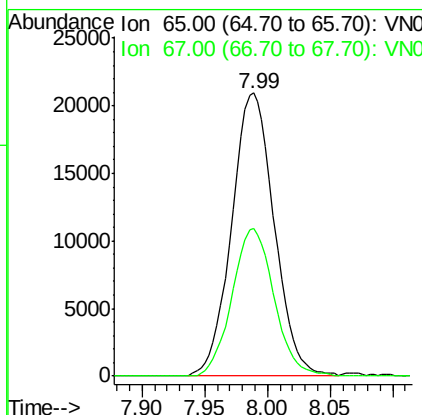
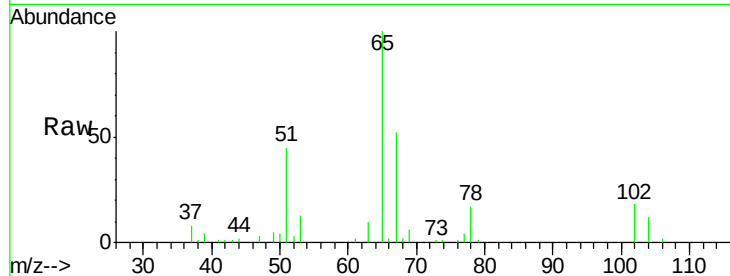
#27
 1,2-Dichloroethane-d4
 Concen: 31.110 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	49440		
67	51.3		41.5	62.3

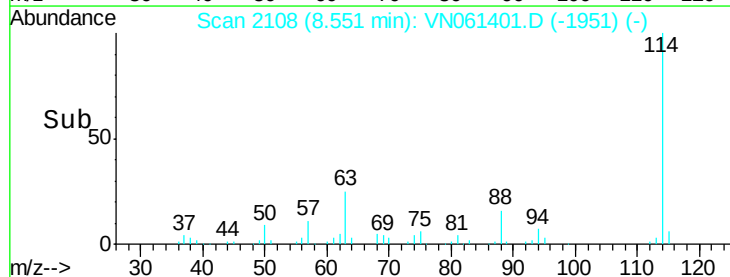
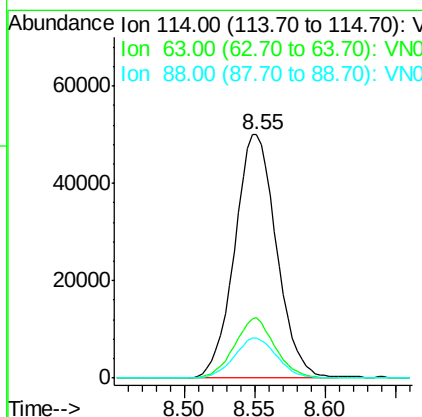
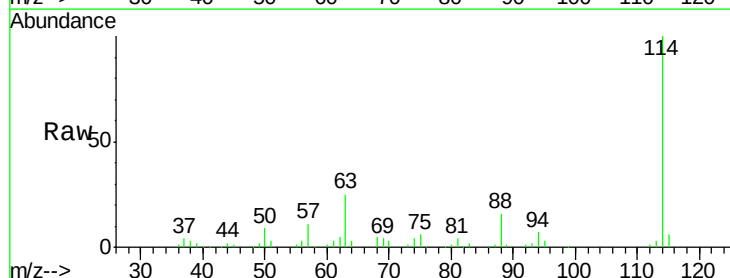
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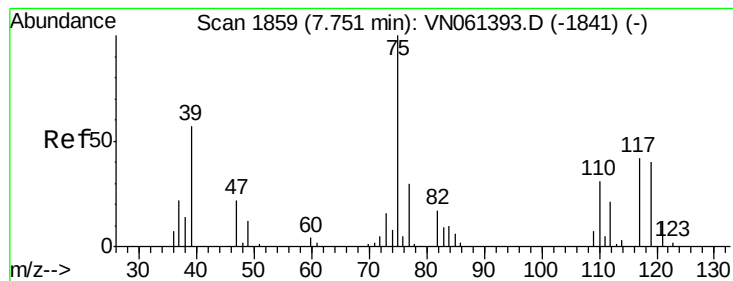
MMDadoda
 5/15/2020 2:11:00 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	103871		
63	23.9		18.1	27.1
88	16.6		13.0	19.4





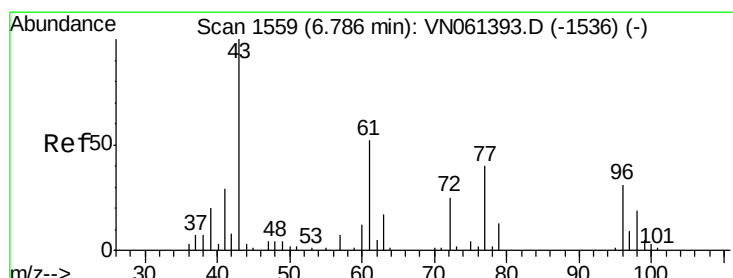
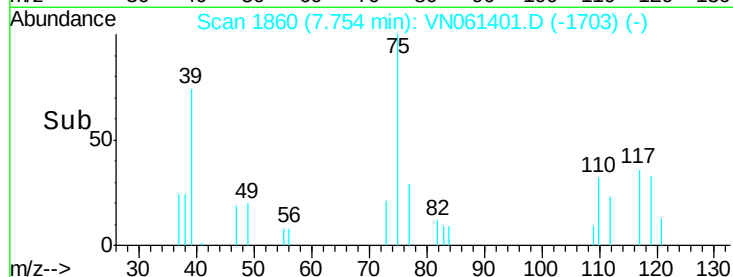
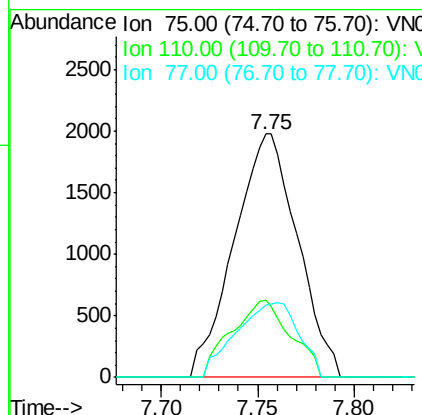
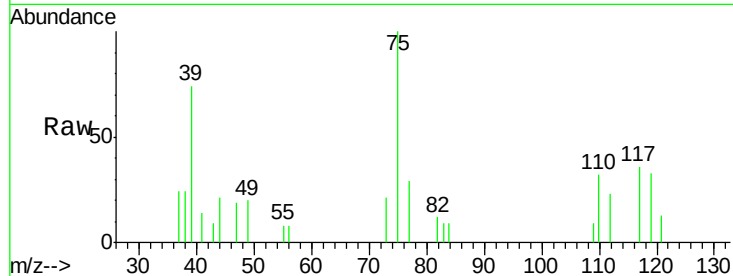
#29
 1,1-Dichloropropene
 Concen: 2.470 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
75	100		
110	29.6	0.0	64.6
77	30.4	0.0	60.8

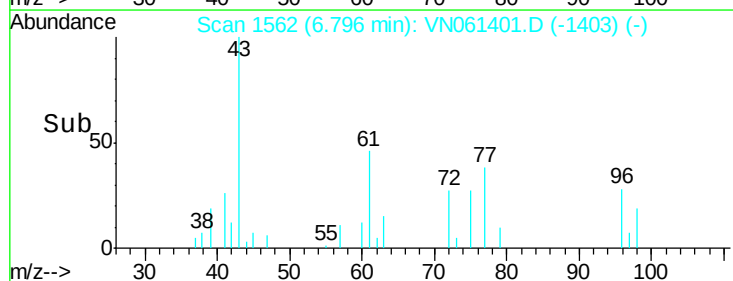
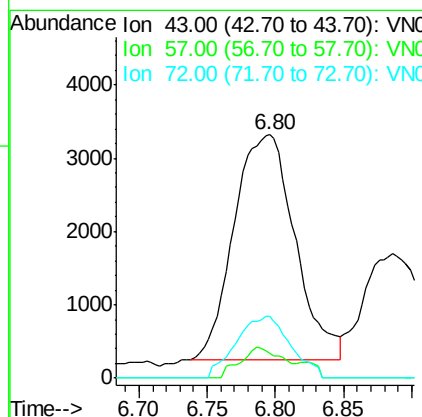
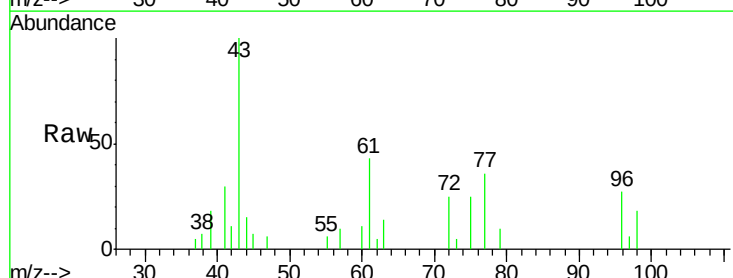
Manual Integrations
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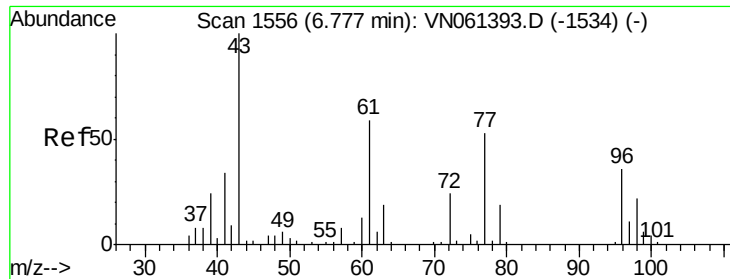
MMDadoda
 5/15/2020 2:11:00 PM



#30
 2-Butanone
 Concen: 12.423 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. 0.01 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Tgt Ion	Ratio	Lower	Upper
43	100		
57	4.4	6.5	9.7#
72	24.3	20.1	30.1





#31

2,2-Dichloropropane

Concen: 2.605 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 77 Resp: 5548

Ion Ratio Lower Upper

77 100

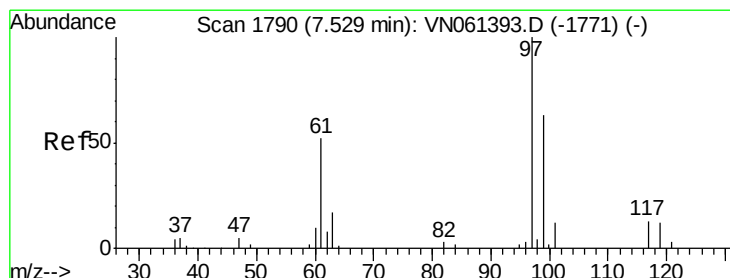
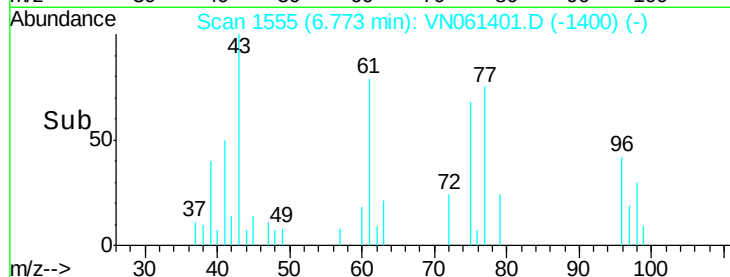
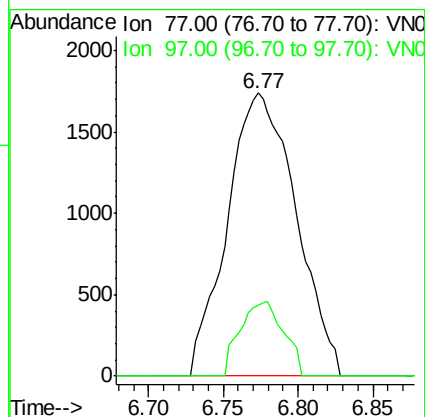
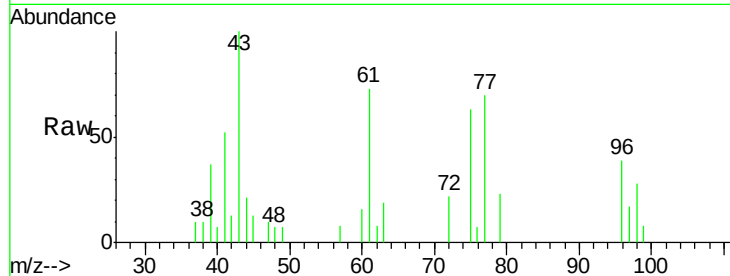
97 16.7 17.9 26.9#

Manual Integrations

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MMDadoda

5/15/2020 2:11:00 PM



#32

1,1,1-Trichloroethane

Concen: 2.492 ug/l

RT: 7.53 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

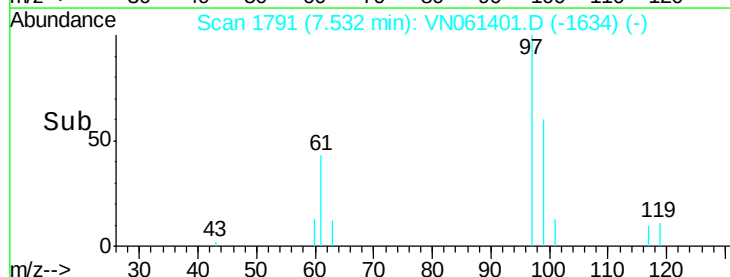
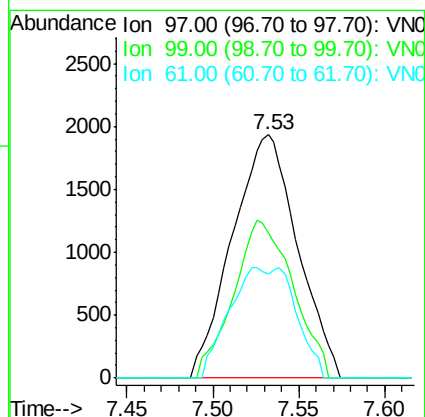
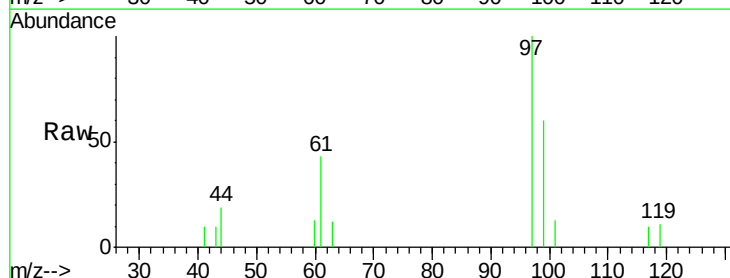
Tgt Ion: 97 Resp: 5083

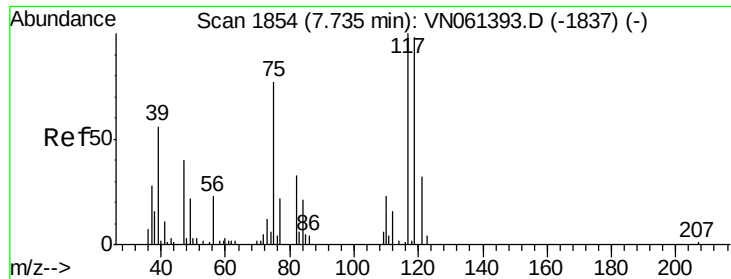
Ion Ratio Lower Upper

97 100

99 59.3 51.3 76.9

61 27.8 38.4 57.6#





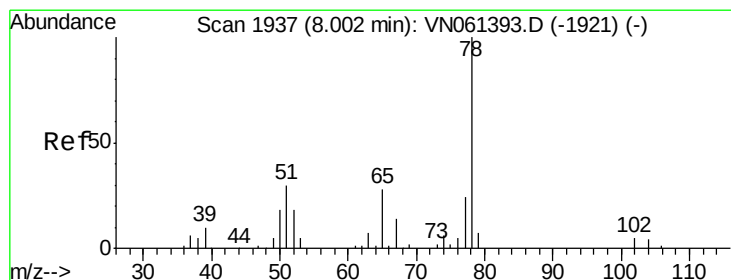
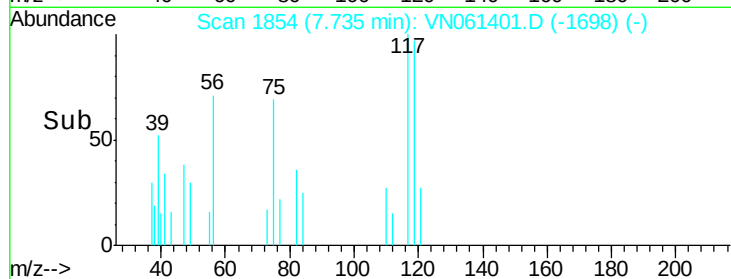
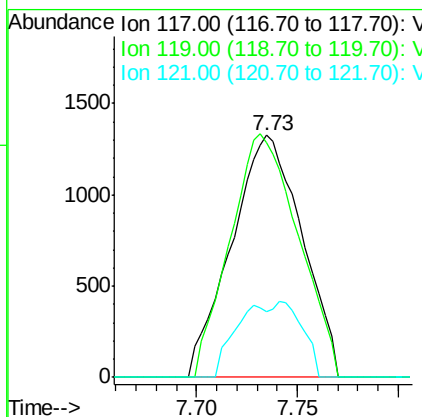
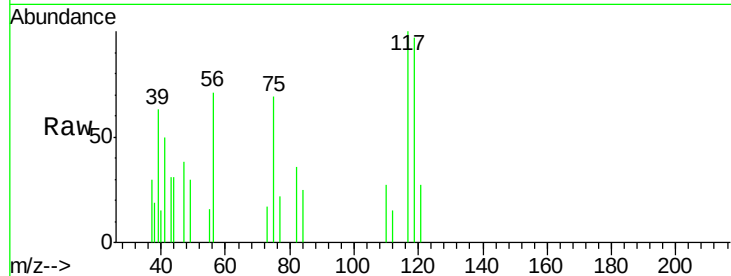
#33
Carbon Tetrachloride
Concen: 2.058 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.9	115.3
121	27.1	23.8	35.8

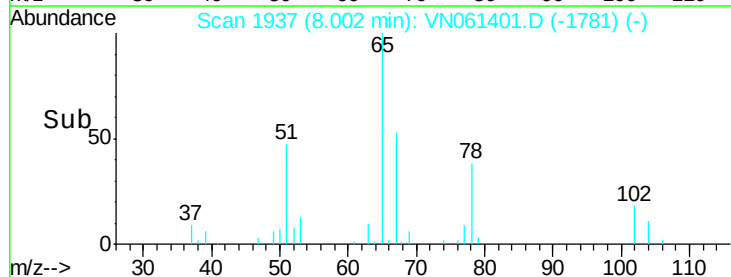
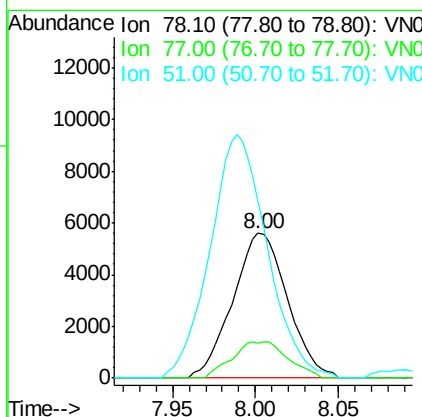
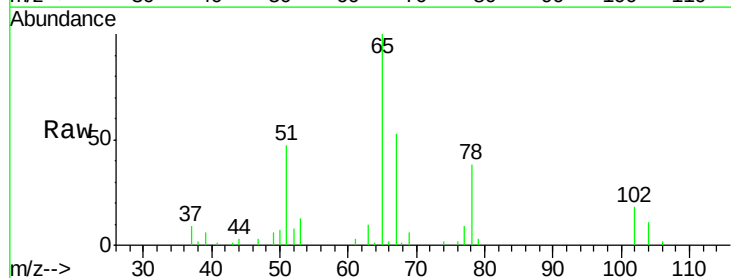
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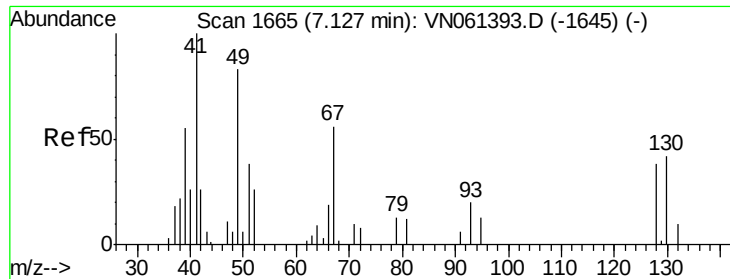
MMDadoda
5/15/2020 2:11:00 PM



#34
Benzene
Concen: 2.490 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.2	28.8
51	123.3	22.1	33.1#





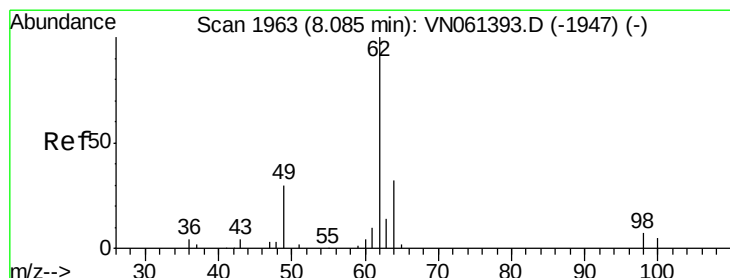
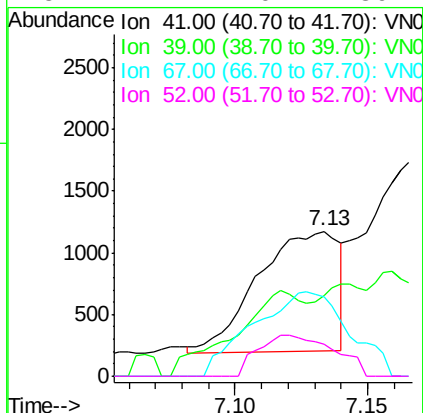
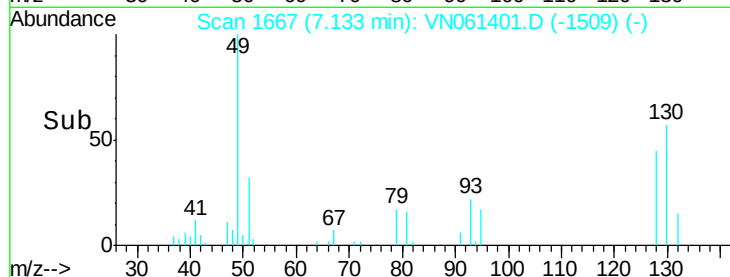
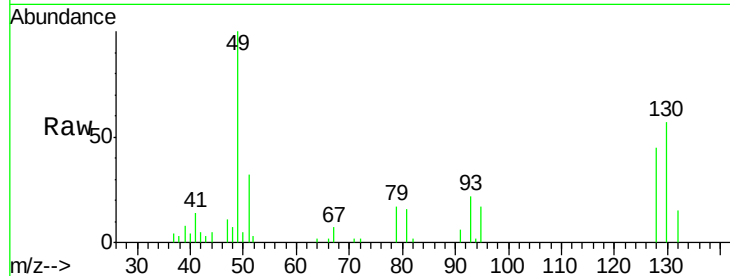
#35
Methacrylonitrile
Concen: 2.681 ug/l m
RT: 7.13 min Scan# 1667
Delta R.T. 0.01 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.5	25.8	77.4	
67	54.3	23.0	69.0	
52	22.1	10.1	30.1	

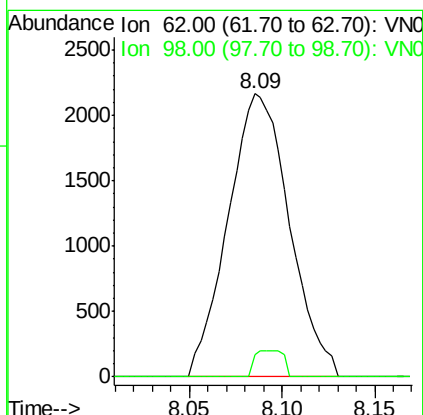
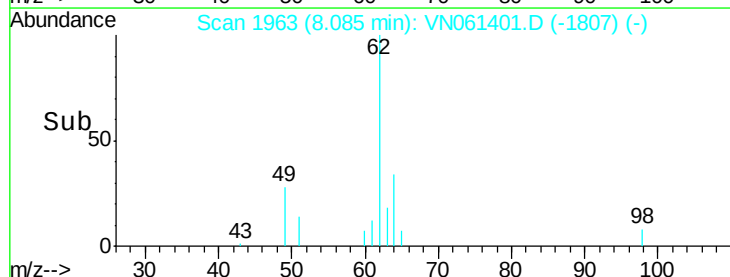
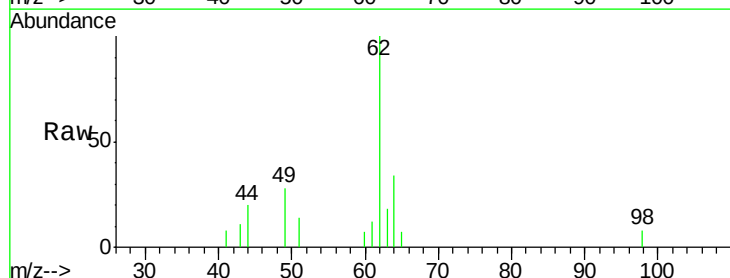
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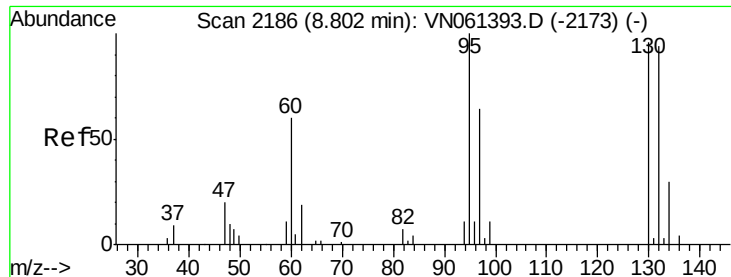
MMDadoda
5/15/2020 2:11:00 PM



#36
1,2-Dichloroethane
Concen: 2.519 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	4.4	6.4	9.6	





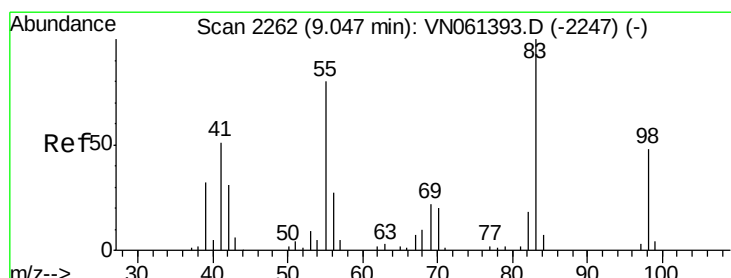
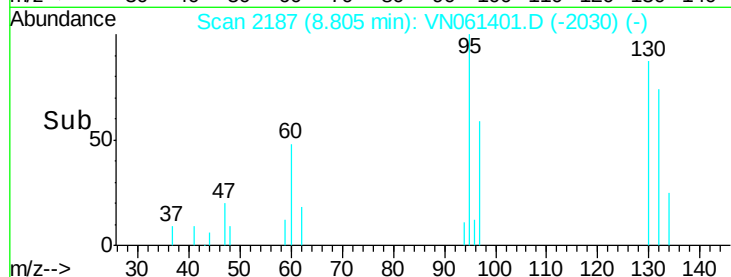
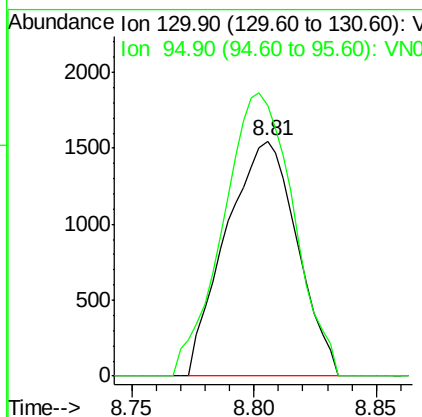
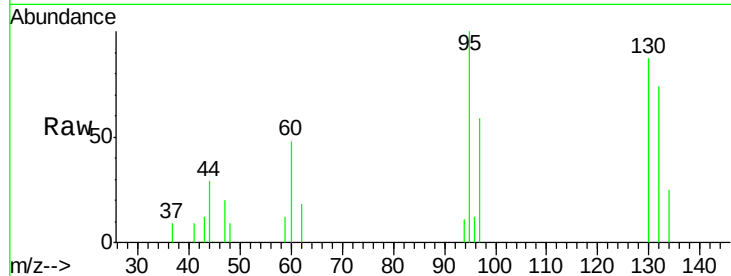
#37
 Trichloroethene
 Concen: 2.459 ug/l
 RT: 8.81 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion:130 Resp: 3122
 Ion Ratio Lower Upper
 130 100
 95 115.2 83.2 124.8

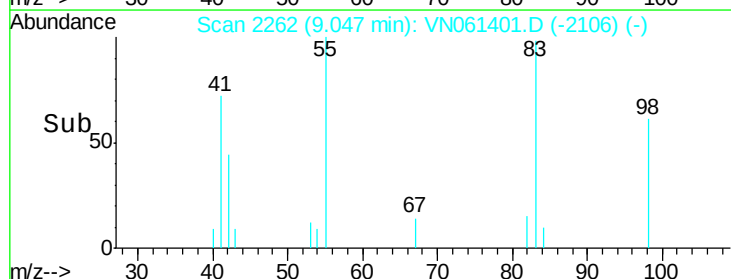
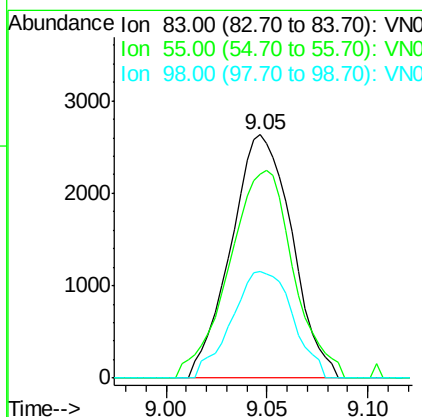
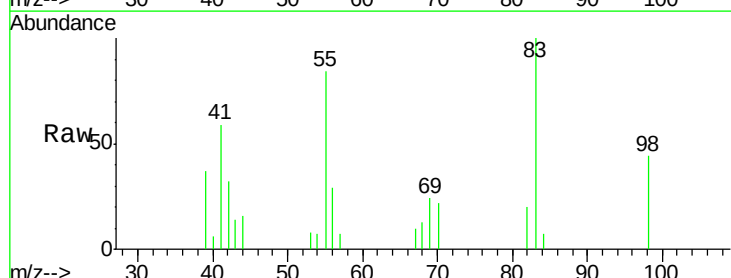
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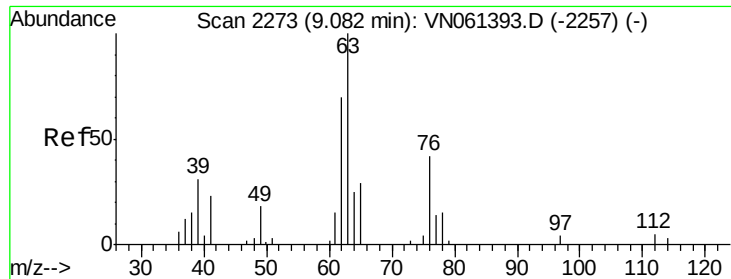
MMDadoda
 5/15/2020 2:11:00 PM



#38
 Methylcyclohexane
 Concen: 2.542 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Tgt Ion: 83 Resp: 5562
 Ion Ratio Lower Upper
 83 100
 55 90.0 40.4 121.1
 98 43.9 21.6 65.0





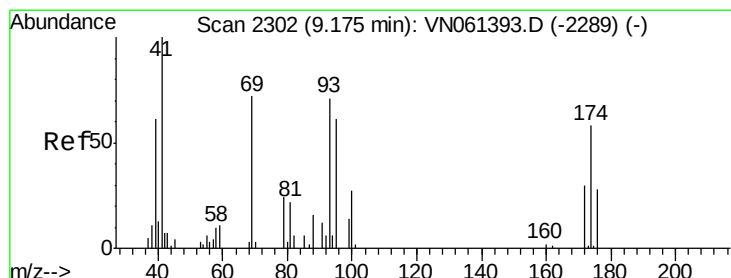
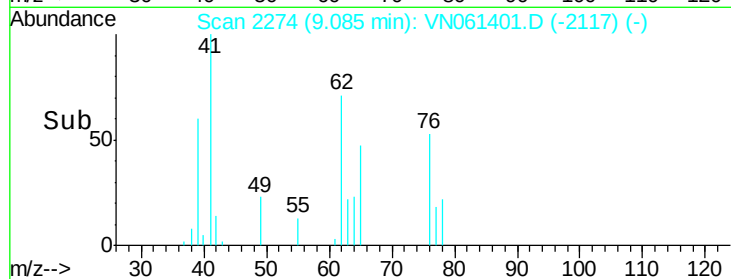
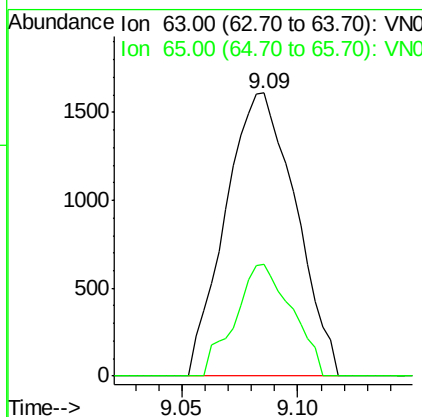
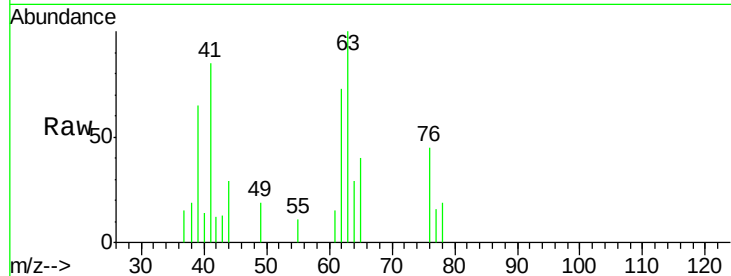
#39
 1,2-Dichloropropane
 Concen: 2.387 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion: 63 Resp: 3384
 Ion Ratio Lower Upper
 63 100
 65 39.5 23.8 35.6#

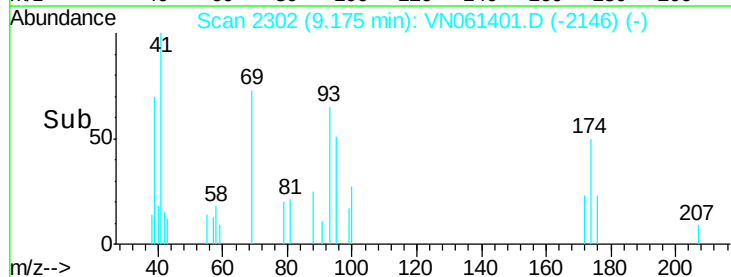
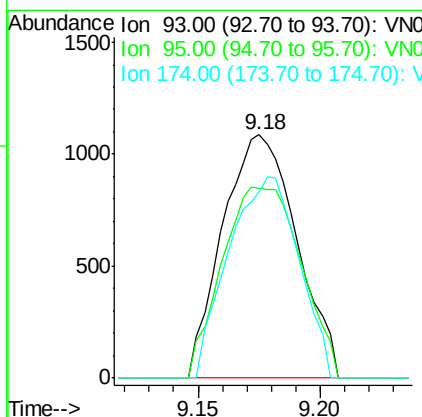
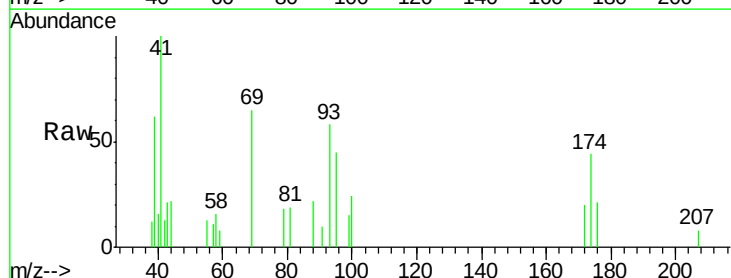
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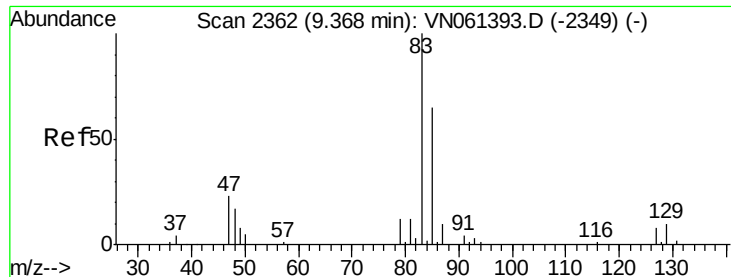
MMDadoda
 5/15/2020 2:11:00 PM



#40
 Dibromomethane
 Concen: 2.607 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Tgt Ion: 93 Resp: 2283
 Ion Ratio Lower Upper
 93 100
 95 50.0 0.0 167.6
 174 78.4 0.0 187.2





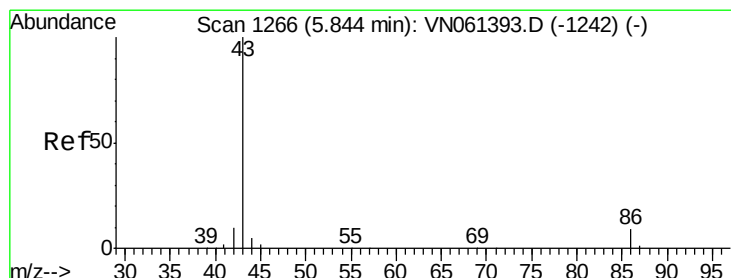
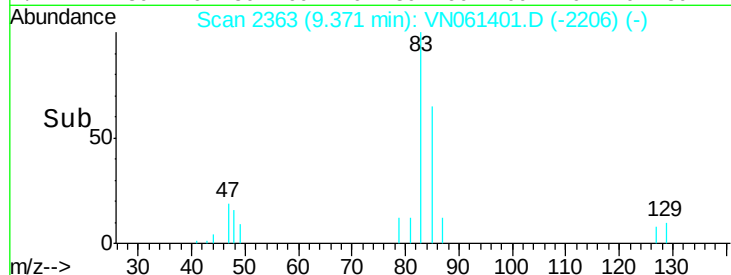
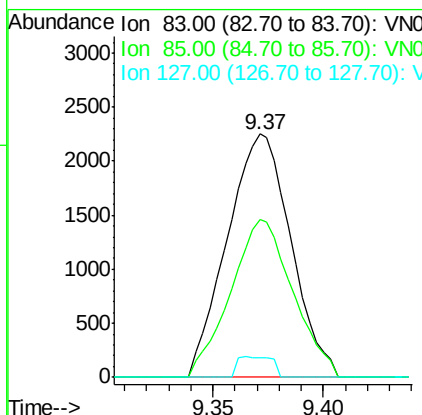
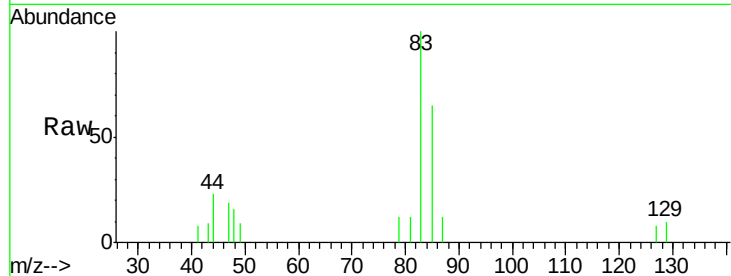
#41
 Bromodichloromethane
 Concen: 2.365 ug/l
 RT: 9.37 min Scan# 2363
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	83	Resp	4492
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	51.0	76.4
127	8.1	6.6	9.8

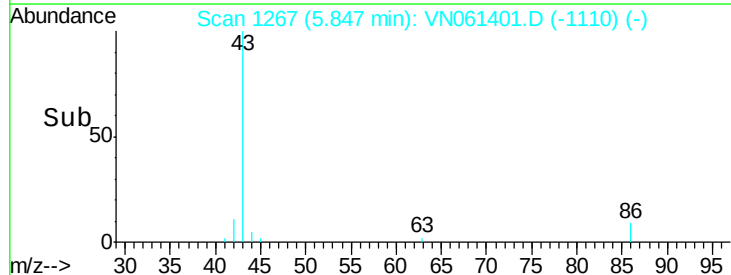
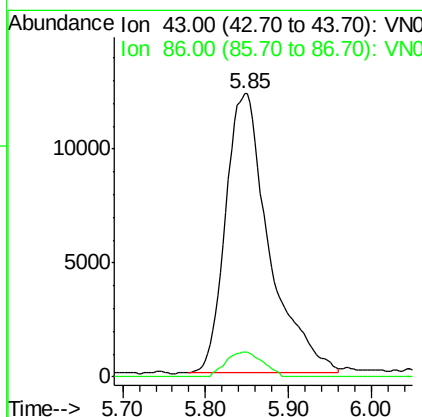
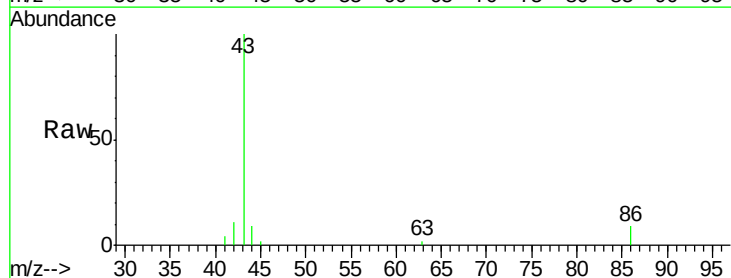
Manual Integrations
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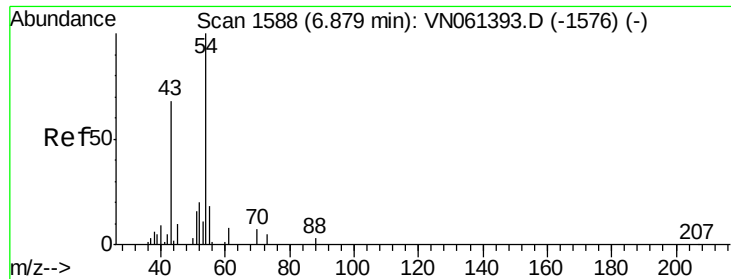
MMDadoda
 5/15/2020 2:11:00 PM



#42
 Vinyl Acetate
 Concen: 12.192 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Tgt Ion	43	Resp	44641
Ion Ratio	100	Lower	Upper
43	100		
86	7.5	6.5	9.7





#43

Ethyl Acetate

Concen: 1.931 ug/l

RT: 6.89 min Scan# 1590

Delta R.T. 0.01 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 43 Resp: 3181

Ion Ratio Lower Upper

43 100

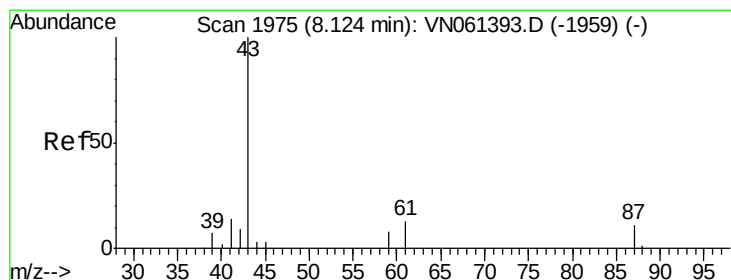
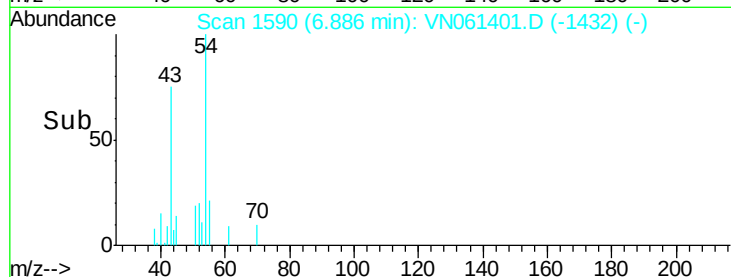
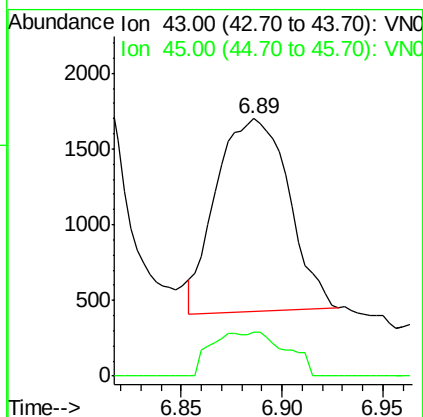
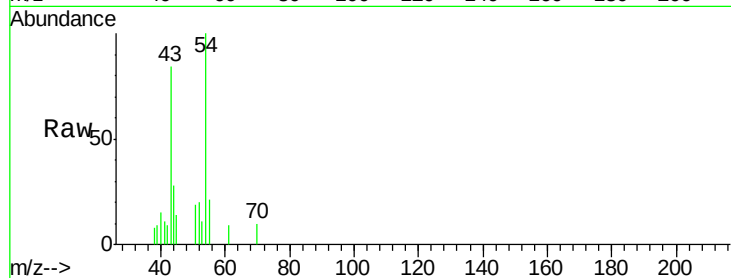
45 10.2 9.7 14.5

Manual Integrations

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#44

Isopropyl Acetate

Concen: 2.474 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061401.D

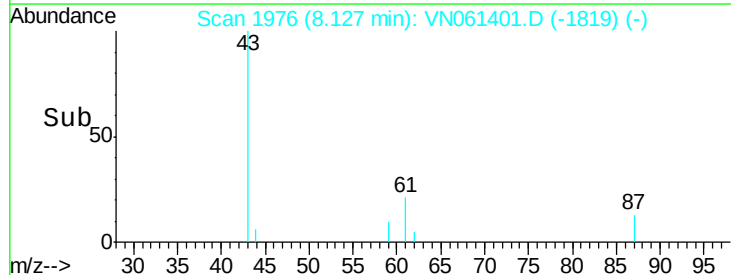
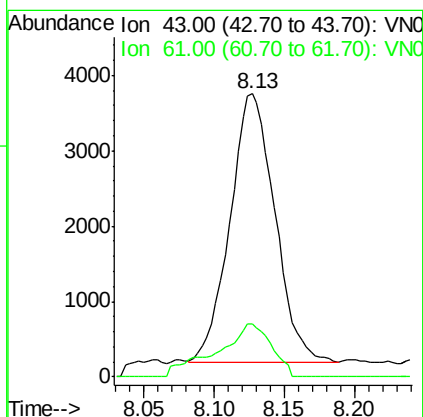
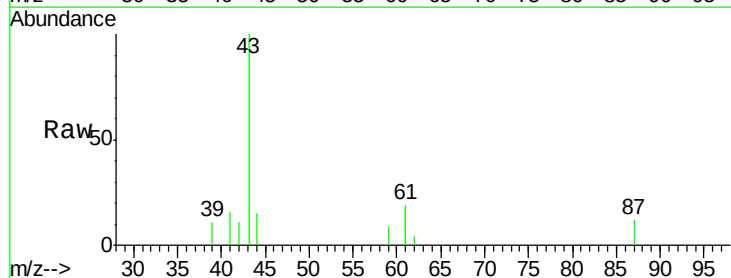
Acq: 14 May 2020 18:30

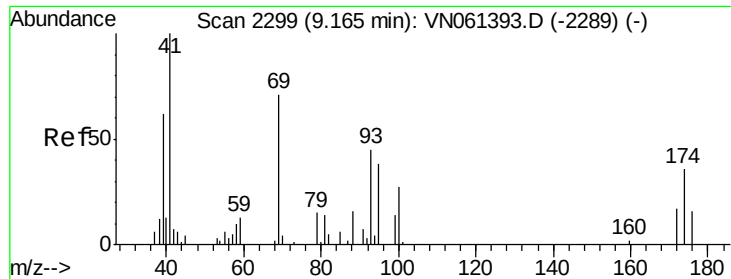
Tgt Ion: 43 Resp: 7911

Ion Ratio Lower Upper

43 100

61 18.8 19.9 29.9#





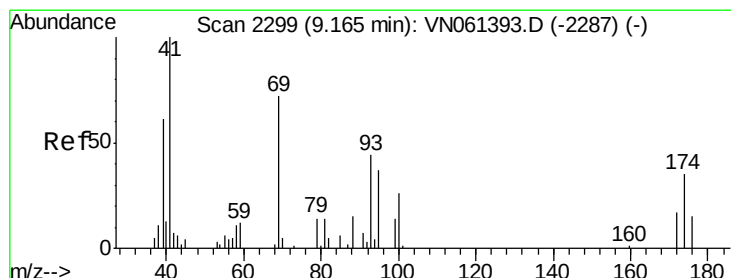
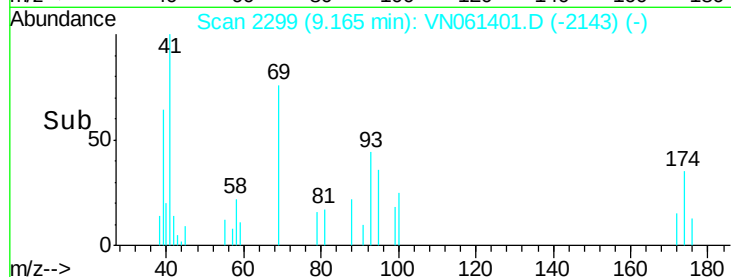
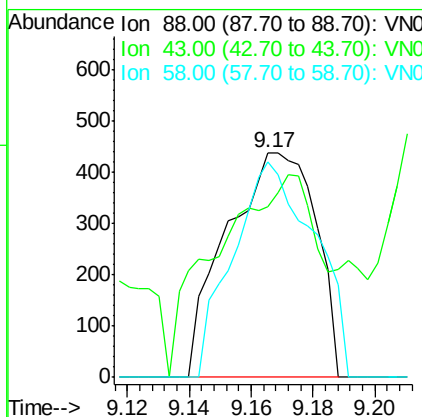
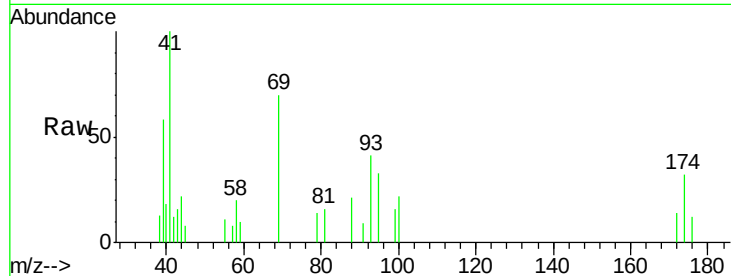
#45
1,4-Dioxane
Concen: 69.259 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	9.2	29.8	44.8#
58	87.3	58.2	87.4

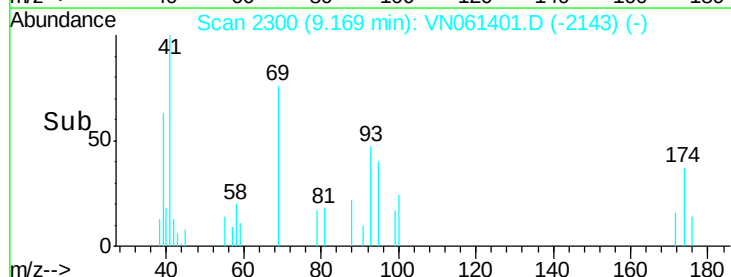
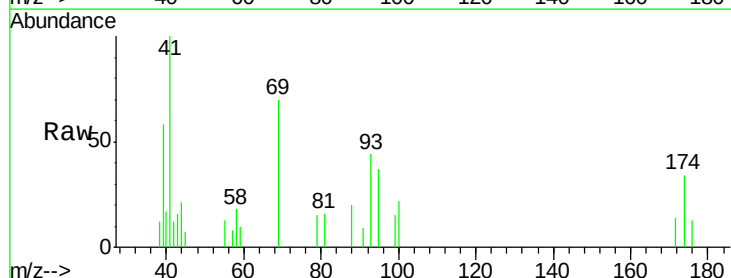
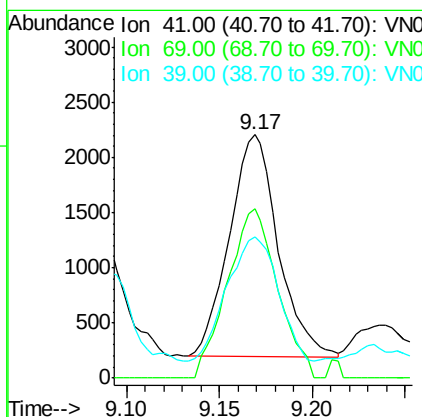
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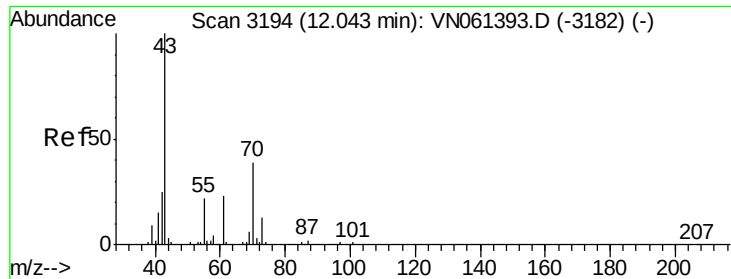
MMDadoda
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#46
Methyl methacrylate
Concen: 2.437 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.5	40.2	120.5
39	56.0	29.9	89.8





#47

n-amvl Acetate

Concen: 2.380 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 43 Resp: 6787

Ion Ratio Lower Upper

43 100

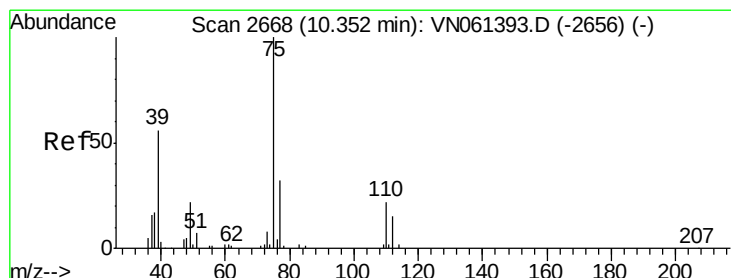
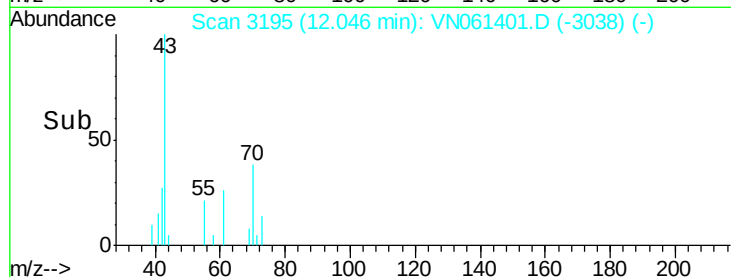
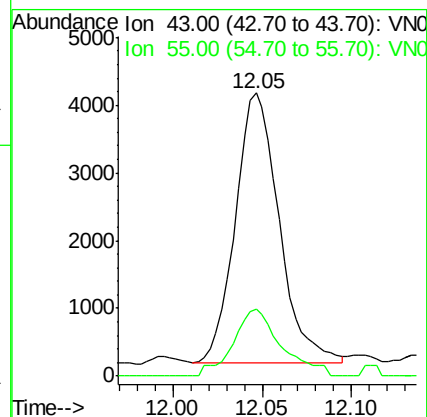
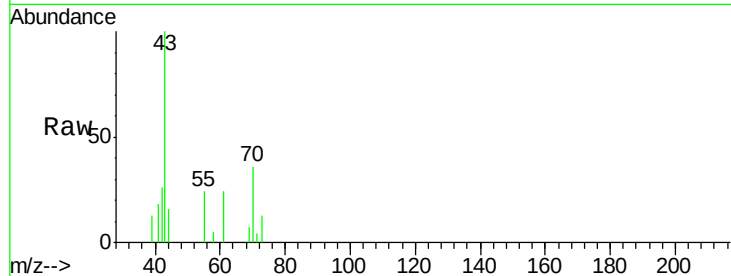
55 21.3 19.6 29.4

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5/15/2020 2:11:00 PM



#48

t-1,3-Dichloropropene

Concen: 2.378 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061401.D

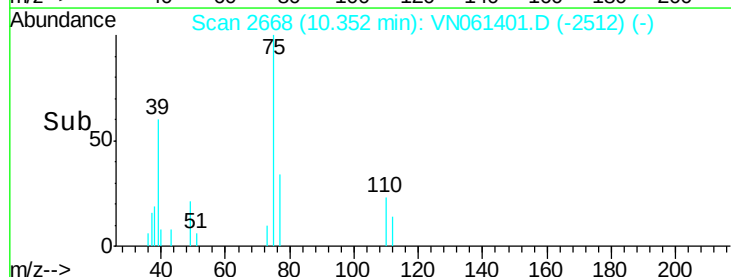
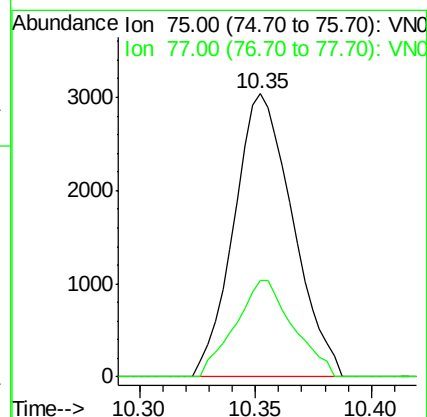
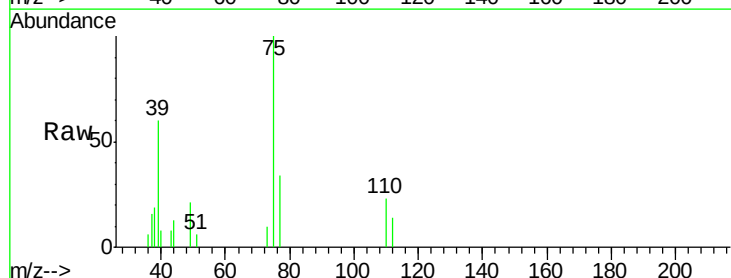
Acq: 14 May 2020 18:30

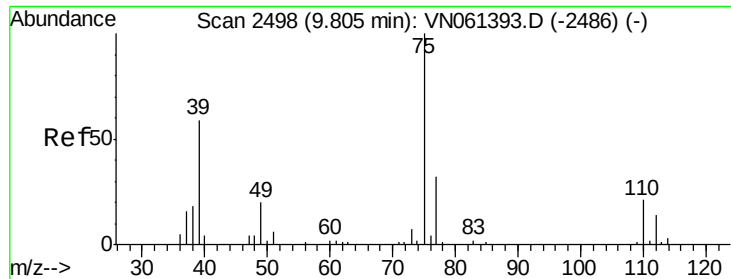
Tgt Ion: 75 Resp: 5331

Ion Ratio Lower Upper

75 100

77 34.2 27.0 40.4





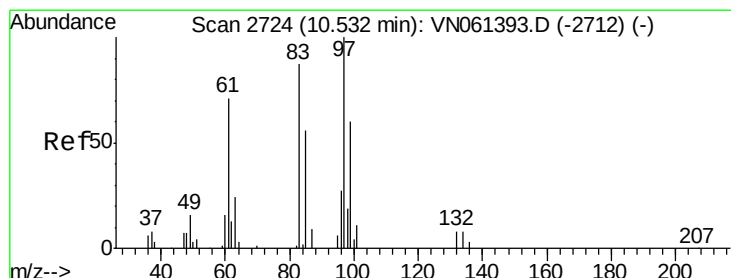
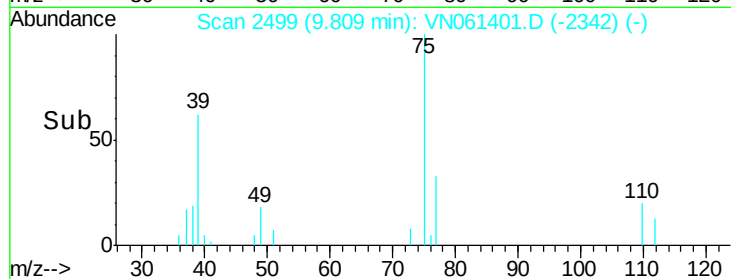
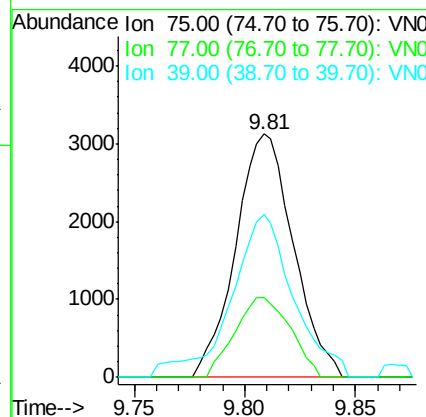
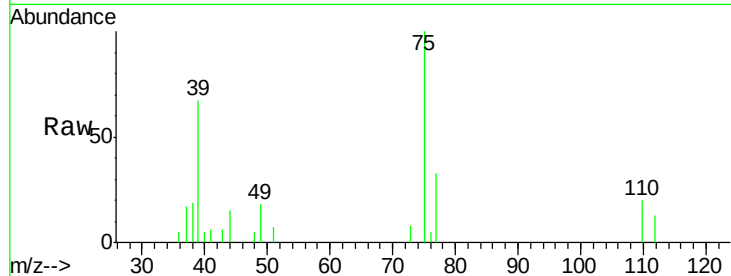
#49
 cis-1,3-Dichloropropene
 Concen: 2.388 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion:	75	Resp:	5663
Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.1	39.1
39	60.3	43.1	64.7

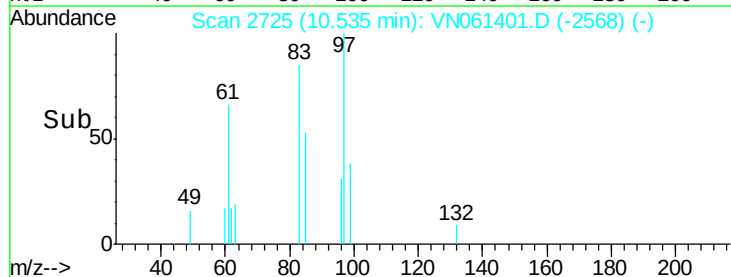
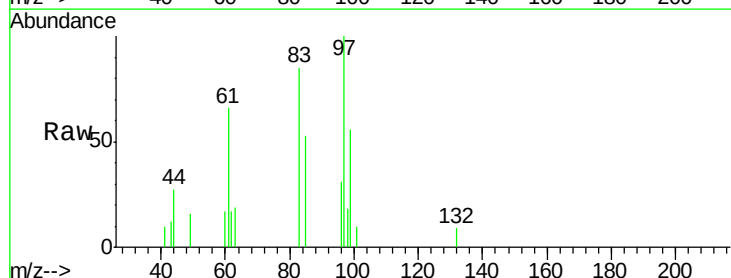
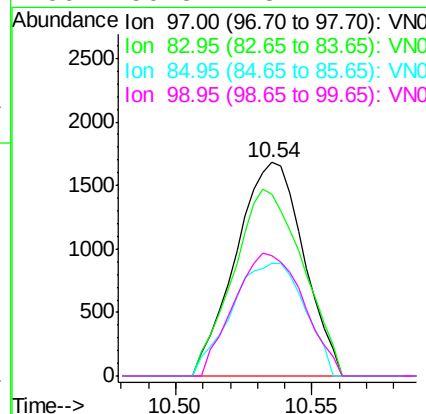
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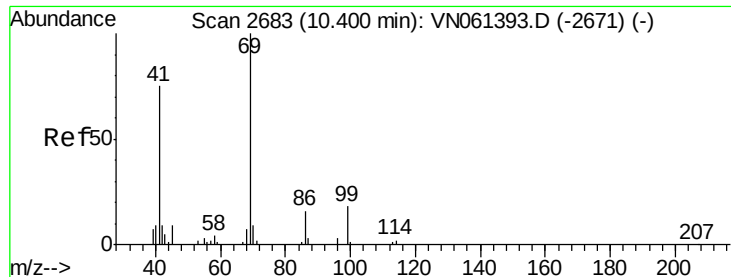
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 2.389 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Tgt Ion:	97	Resp:	2892
Ion	Ratio	Lower	Upper
97	100		
83	84.9	70.7	106.1
85	52.9	45.1	67.7
99	56.3	48.2	72.4





#51

Ethyl methacrylate

Concen: 2.313 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

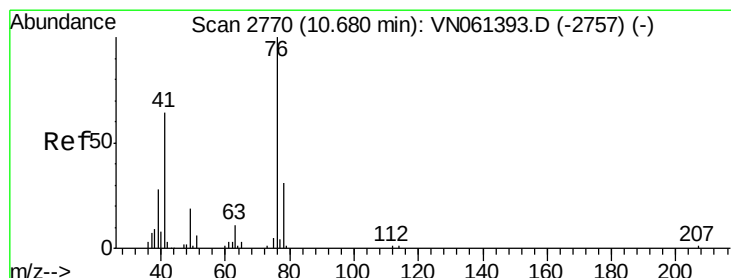
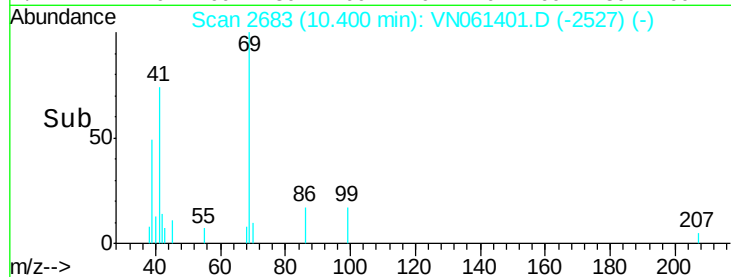
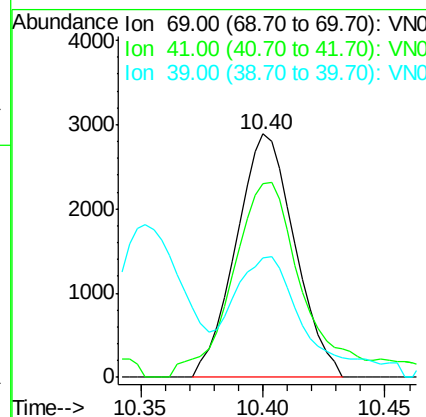
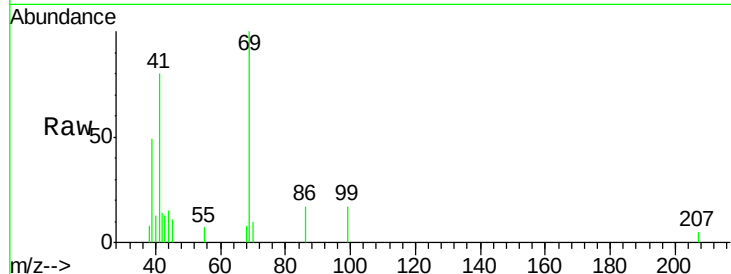
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	69	Resp:	4824
Ion	Ratio	Lower	Upper
69	100		
41	72.0	34.7	104.1
39	40.8	20.3	60.8

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#52

1,3-Dichloropropane

Concen: 2.376 ug/l

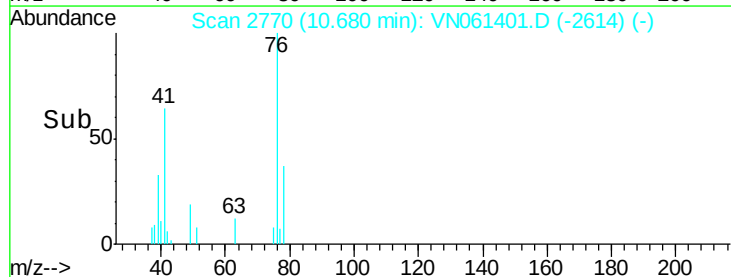
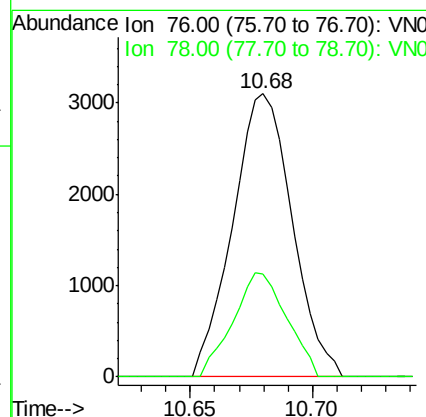
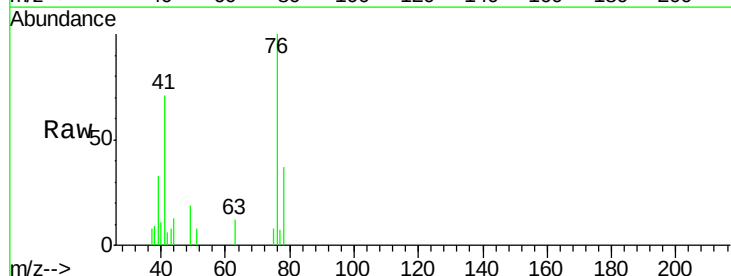
RT: 10.68 min Scan# 2770

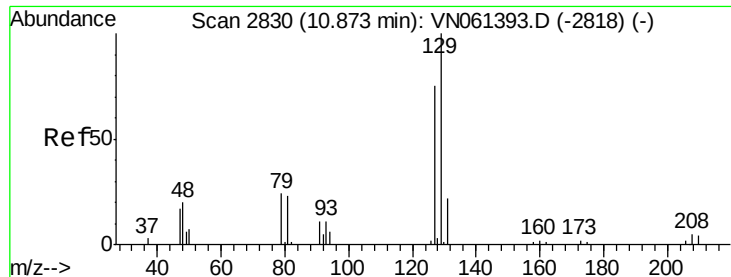
Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Tgt Ion:	76	Resp:	5252
Ion	Ratio	Lower	Upper
76	100		
78	33.1	0.0	63.2





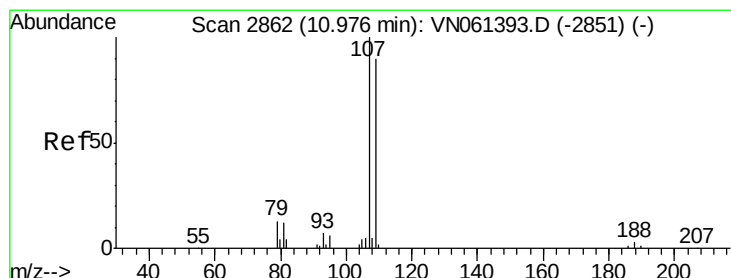
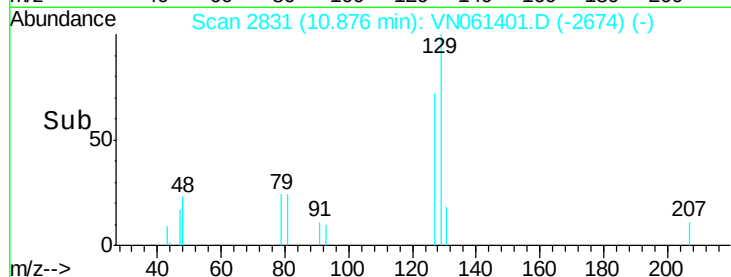
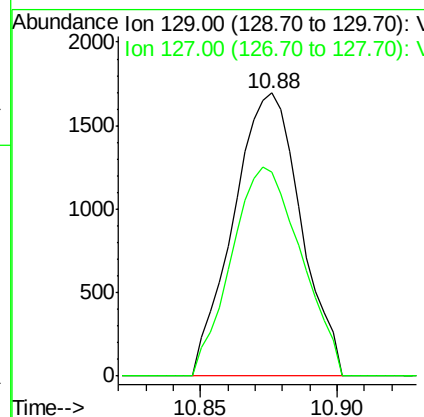
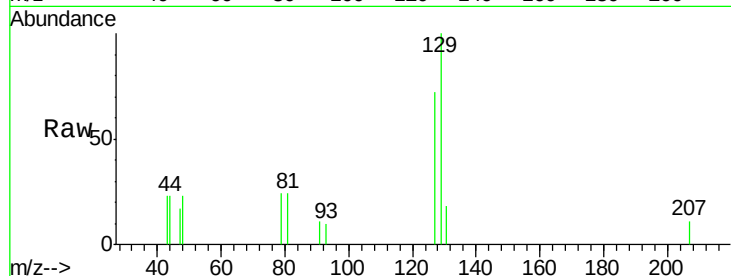
#53
Dibromochloromethane
Concen: 2.188 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion:129 Resp: 2903
Ion Ratio Lower Upper
129 100
127 76.5 39.1 117.5

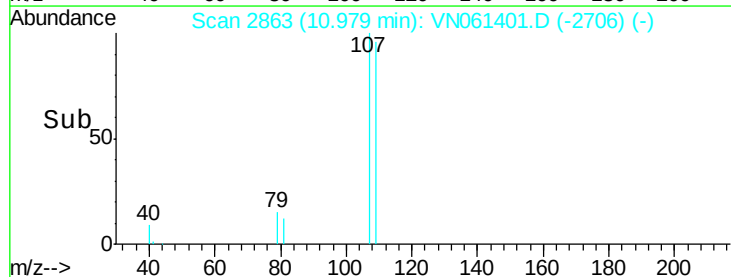
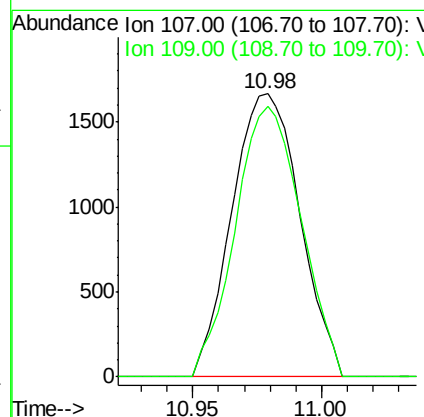
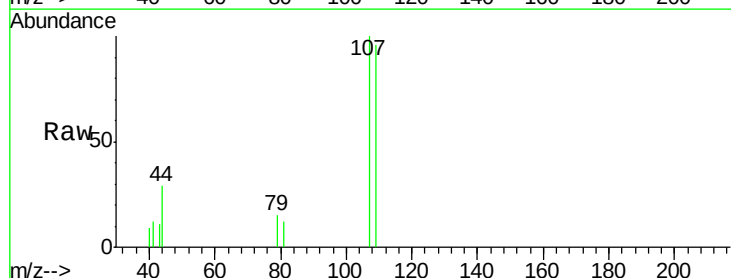
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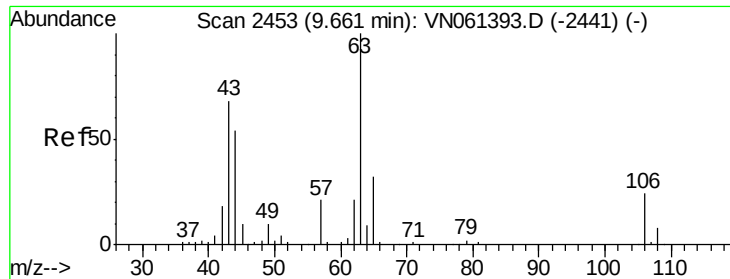
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5/15/2020 2:11:00 PM



#54
1,2-Dibromoethane
Concen: 2.447 ug/l
RT: 10.98 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion:107 Resp: 3057
Ion Ratio Lower Upper
107 100
109 92.5 76.2 114.4





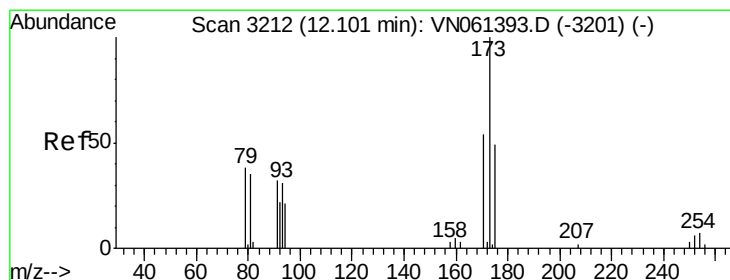
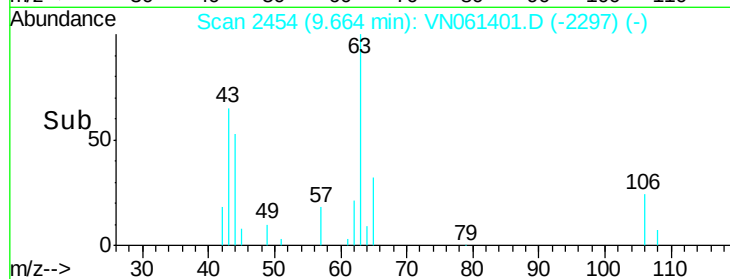
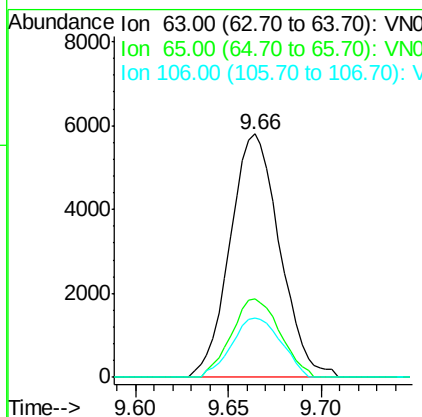
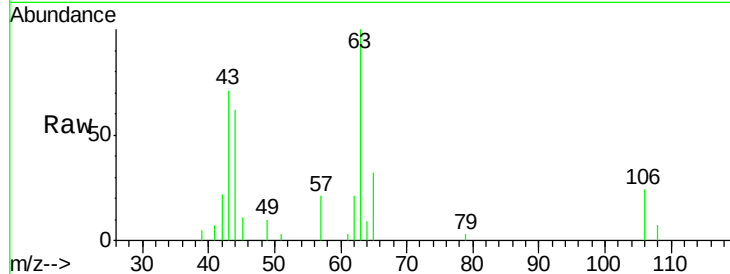
#55
2-Chloroethyl vinyl ether
Concen: 11.683 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion:	63	Resp:	10785
Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.3	37.9
106	24.2	19.8	29.6

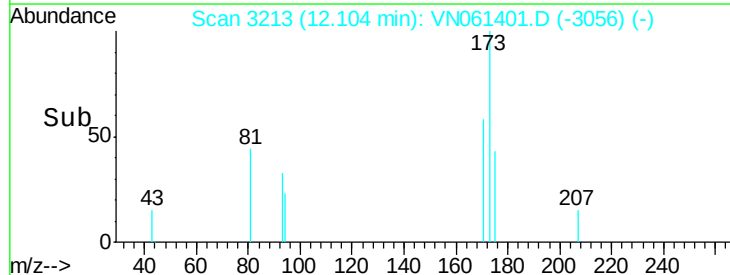
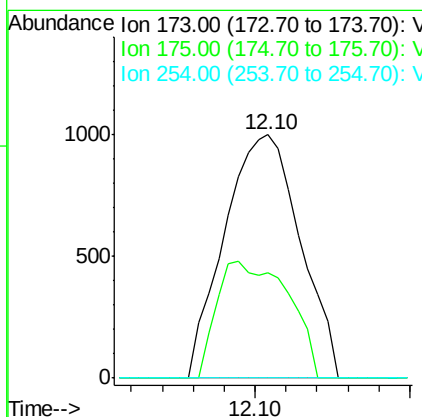
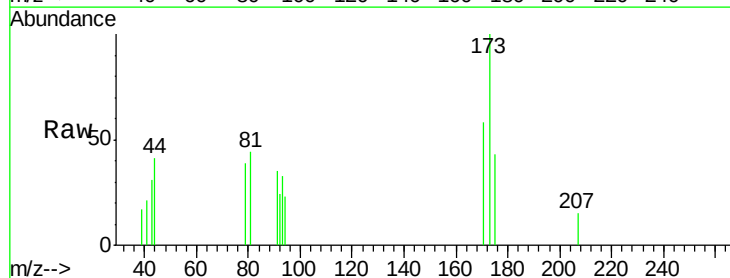
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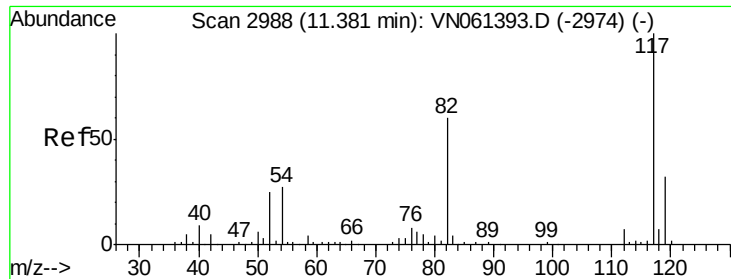
MMDadoda
5/15/2020 2:11:00 PM



#56
Bromoform
Concen: 2.037 ug/l
RT: 12.10 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion:	173	Resp:	1699
Ion	Ratio	Lower	Upper
173	100		
175	26.5	38.7	58.1#
254	0.0	7.4	11.2#





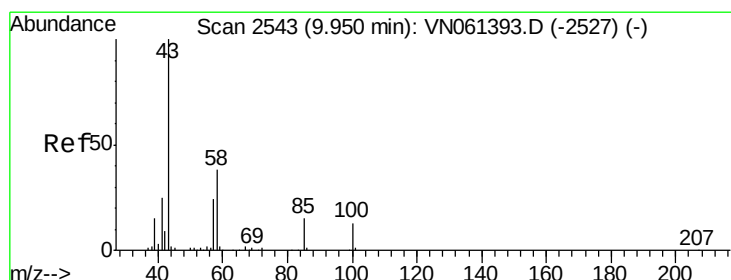
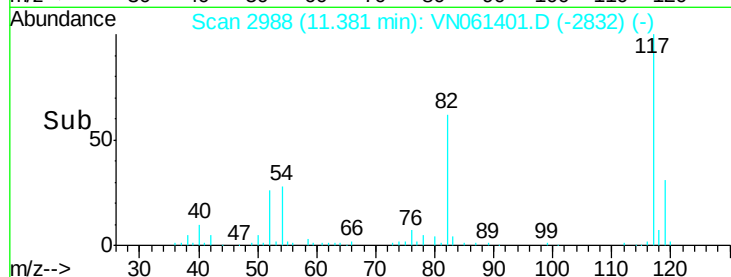
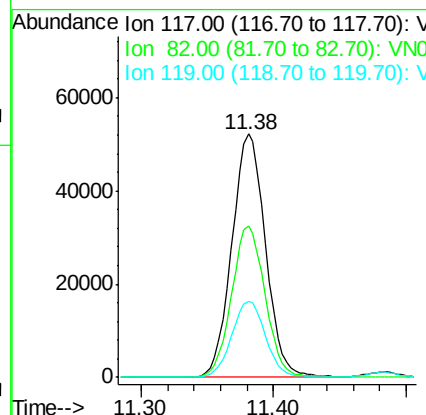
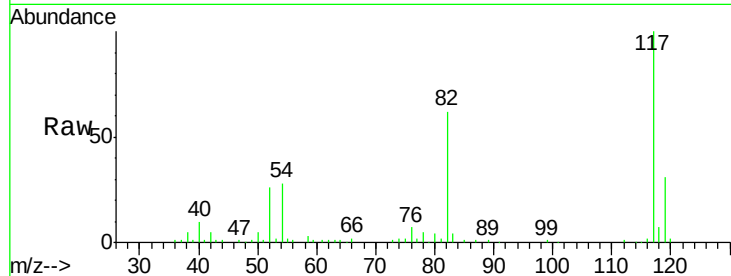
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.0	46.9	70.3
119	31.5	25.8	38.6

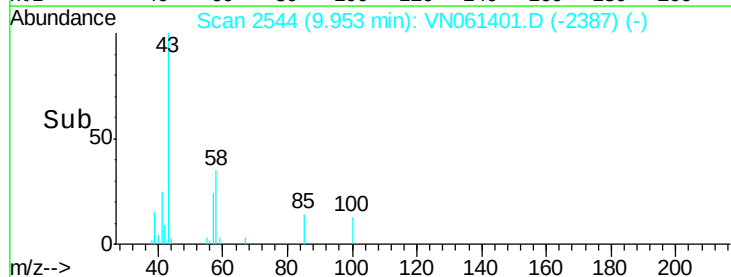
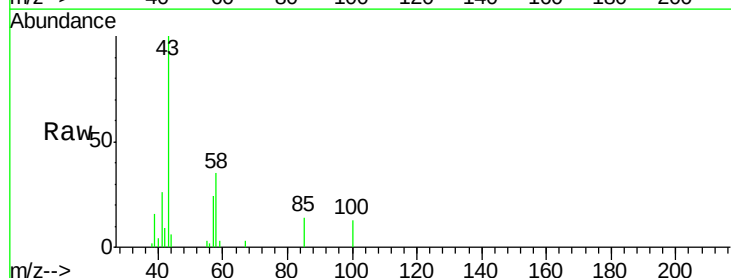
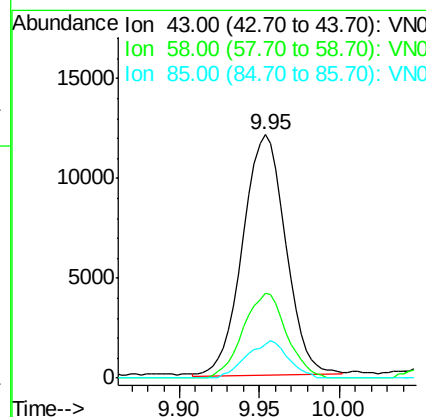
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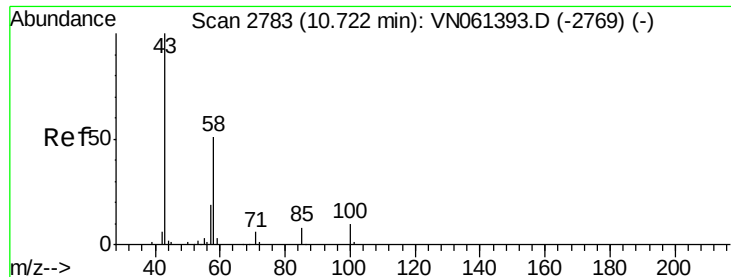
MMDadoda
5/15/2020 2:11:00 PM



#58
4-Methyl-2-Pentanone
Concen: 13.212 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.7	30.1	45.1
85	14.9	13.2	19.8





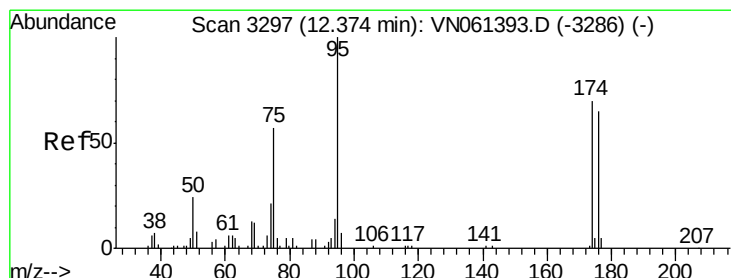
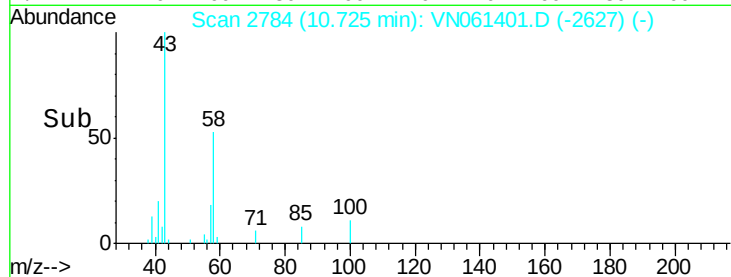
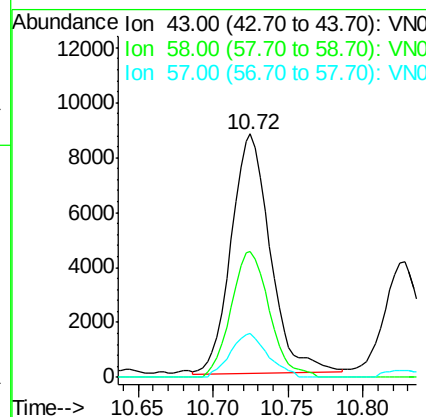
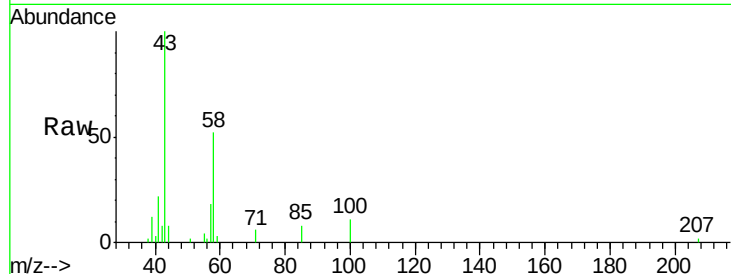
#59
2-Hexanone
Concen: 13.446 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.4	41.4	62.0
57	17.4	14.7	22.1

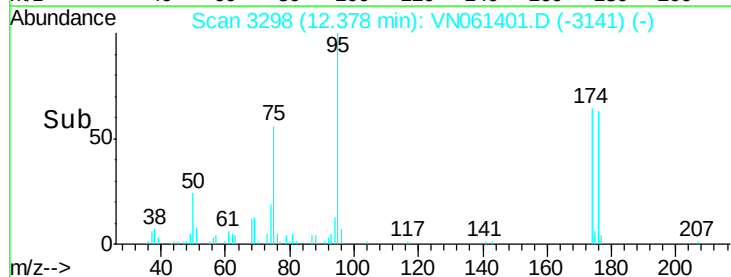
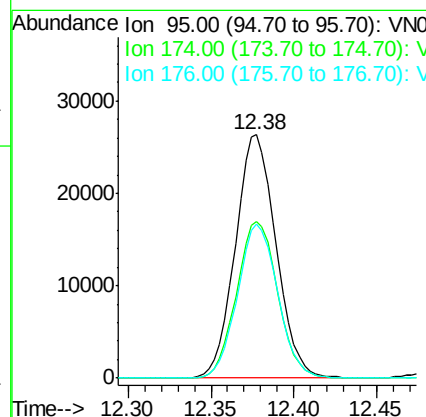
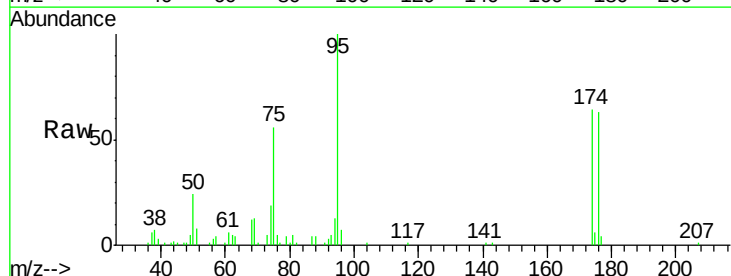
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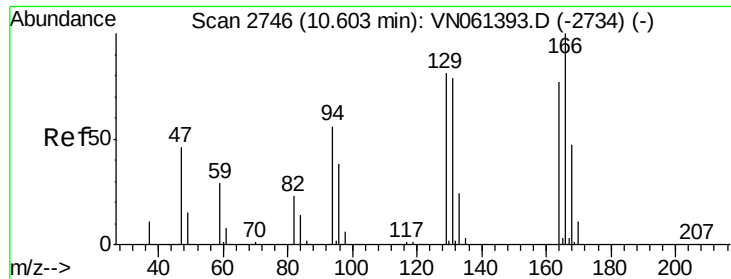
MMDadoda
5/15/2020 2:11:00 PM



#60
4-Bromofluorobenzene
Concen: 28.677 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.8	59.9	89.9
176	62.4	58.3	87.5





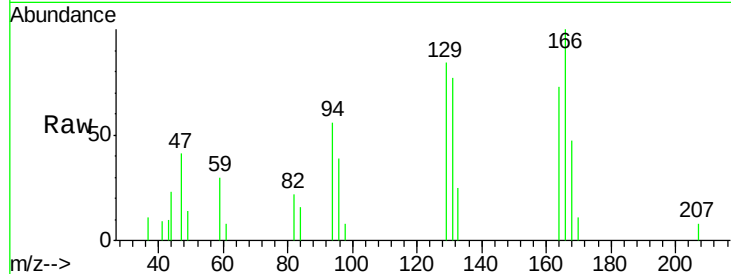
#61
Tetrachloroethene
Concen: 2.339 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
164	100		
166	136.5	101.4	152.2
129	114.2	78.1	117.1
131	105.7	73.2	109.8

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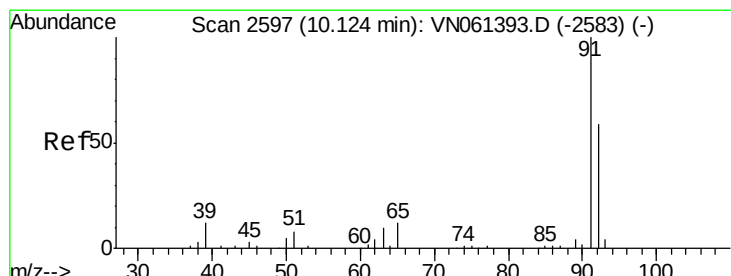
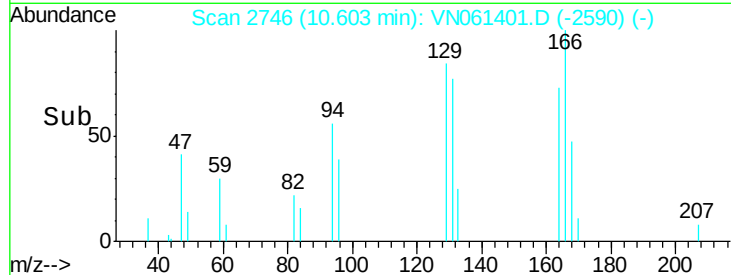
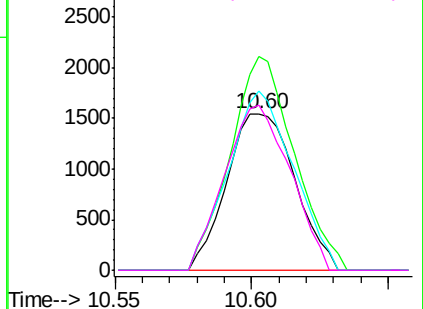


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

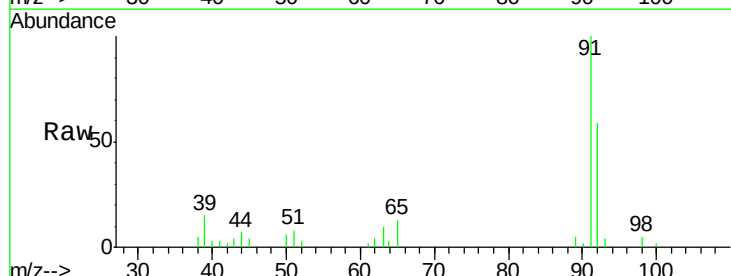
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



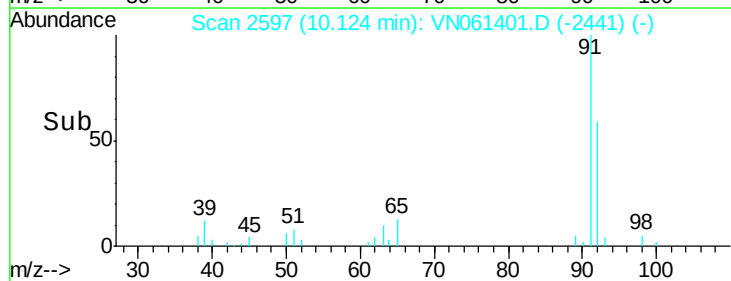
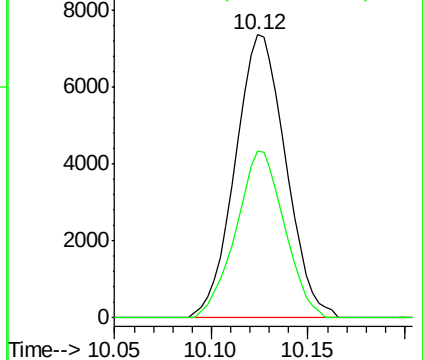
#62
Toluene
Concen: 2.511 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

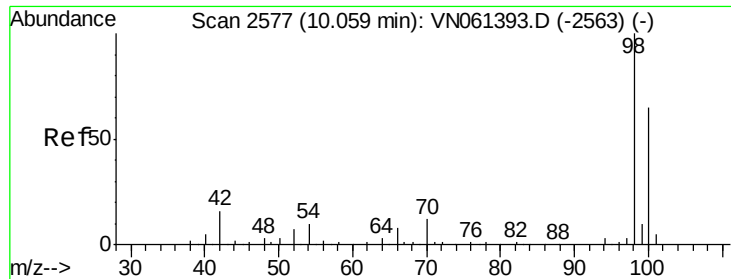
Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.4	45.4	68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 31.004 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 98 Resp: 131848

Ion Ratio Lower Upper

98 100

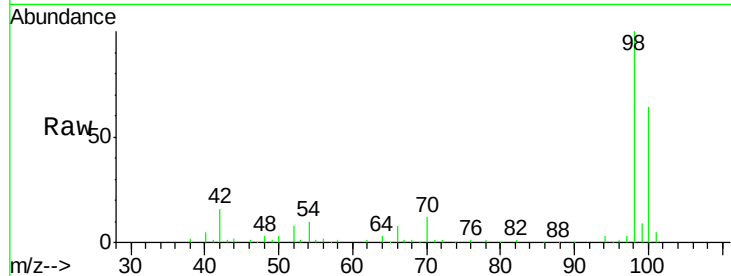
100 64.5 50.6 75.8

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Abundance Ion 98.00 (97.70 to 98.70): VN061393.D (-2563) (-)

Ion 100.00 (99.70 to 100.70): VN061401.D (-2421) (-)

10.06

80000

60000

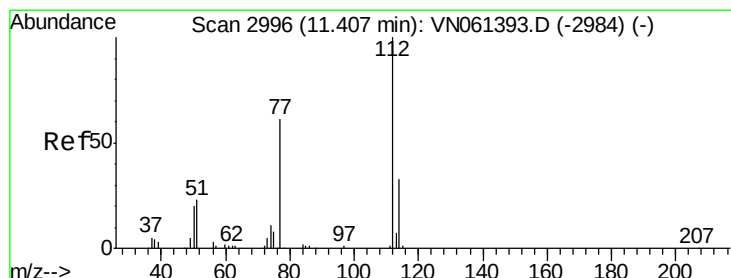
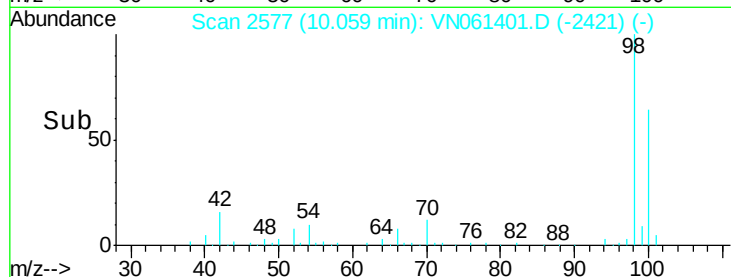
40000

20000

0

10.00 10.05 10.10 10.15

Time-->



#64

Chlorobenzene

Concen: 2.546 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN061401.D

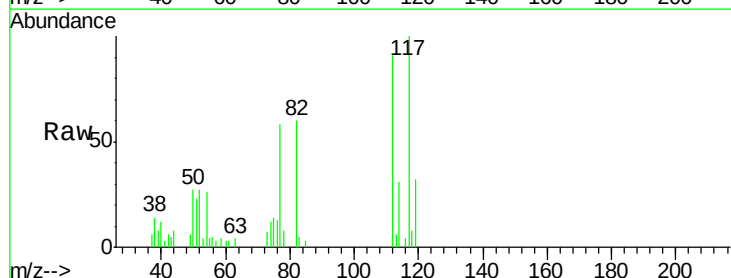
Acq: 14 May 2020 18:30

Tgt Ion: 112 Resp: 8025

Ion Ratio Lower Upper

112 100

114 33.7 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): VN061393.D (-2984) (-)

Ion 114.00 (113.70 to 114.70): VN061401.D (-2840) (-)

11.41

5000

4000

3000

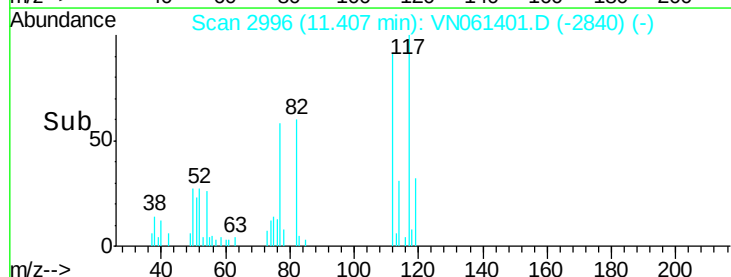
2000

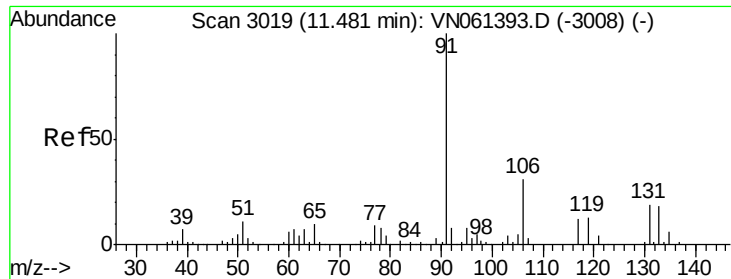
1000

0

11.35 11.40 11.45

Time-->





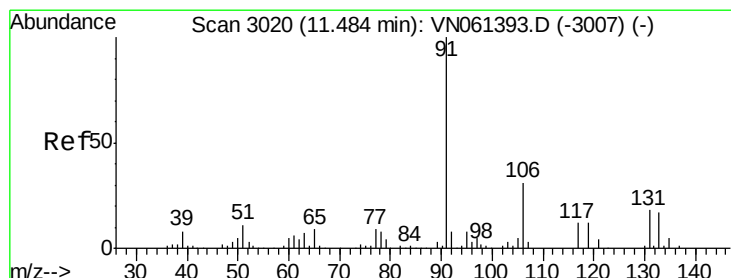
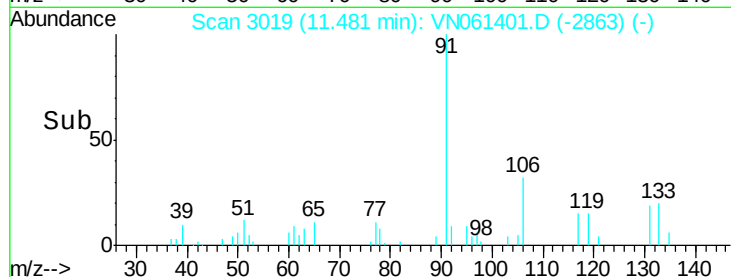
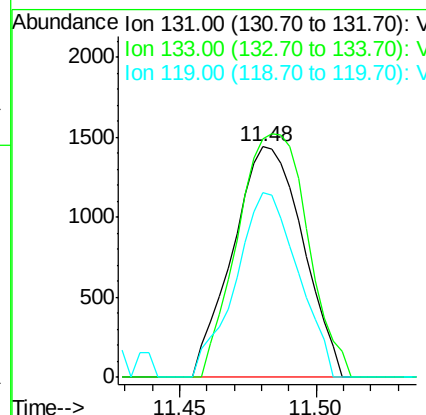
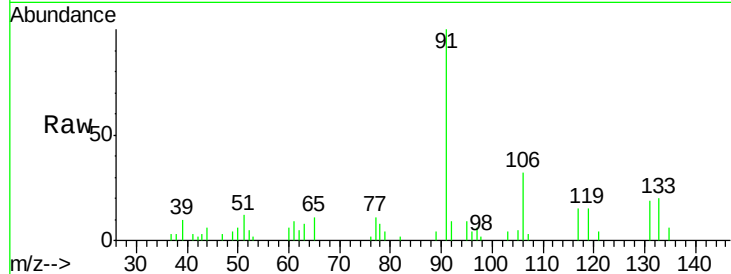
#65
 1,1,1,2-Tetrachloroethane
 Concen: 2.226 ug/l
 RT: 11.48 min Scan# 3019
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion:131 Resp: 2564
 Ion Ratio Lower Upper
 131 100
 133 105.7 0.0 194.0
 119 71.5 0.0 136.8

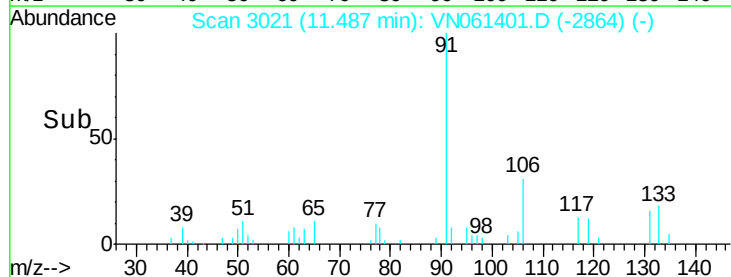
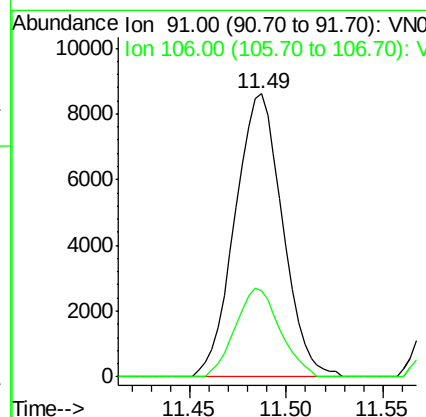
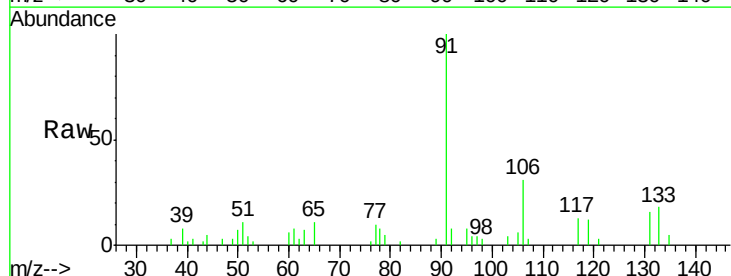
Manual Integrations
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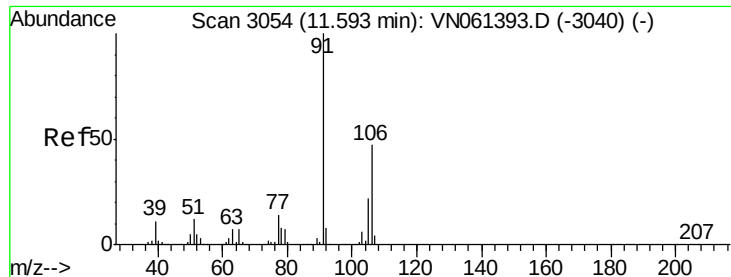
MMDadoda
 5/15/2020 2:11:00 PM



#66
 Ethyl Benzene
 Concen: 2.413 ug/l
 RT: 11.49 min Scan# 3021
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Tgt Ion: 91 Resp: 14747
 Ion Ratio Lower Upper
 91 100
 106 30.6 24.2 36.4





#67

m/p-Xylenes

Concen: 4.840 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:106 Resp: 10923

Ion Ratio Lower Upper

106 100

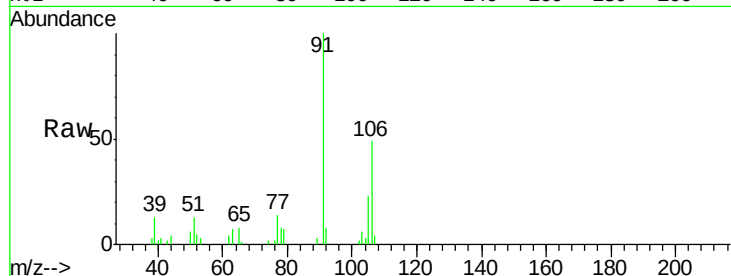
91 206.1 165.6 248.4

Manual Integrations

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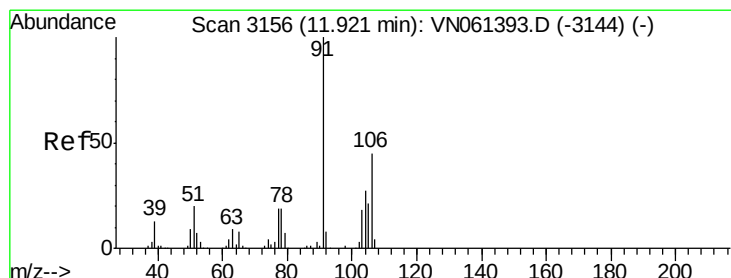
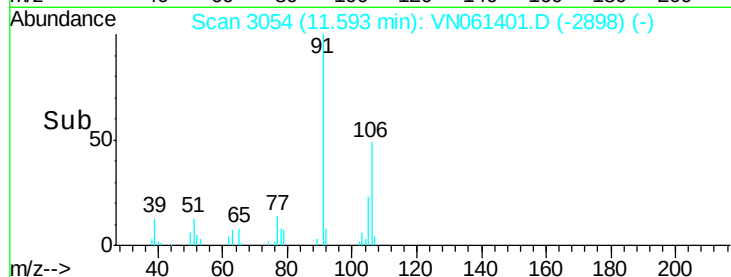
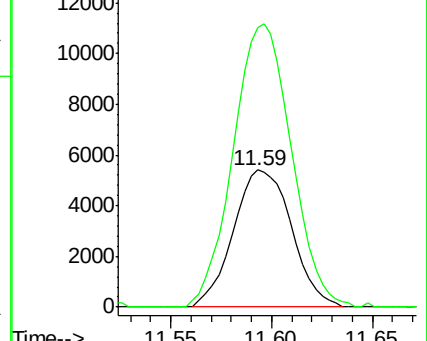
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 2.301 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN061401.D

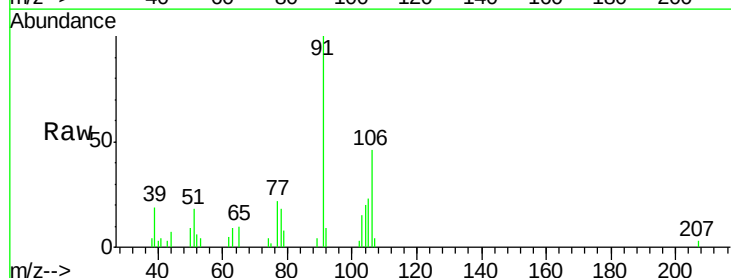
Acq: 14 May 2020 18:30

Tgt Ion:106 Resp: 4957

Ion Ratio Lower Upper

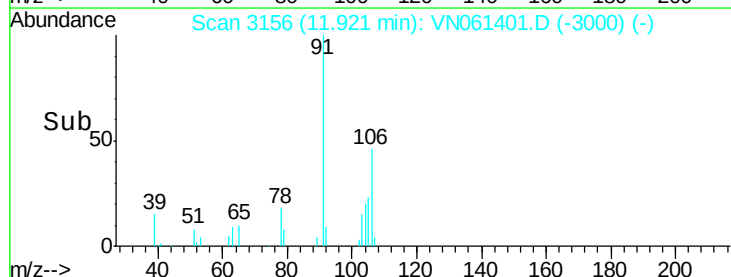
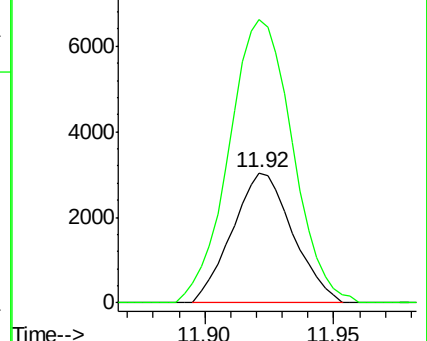
106 100

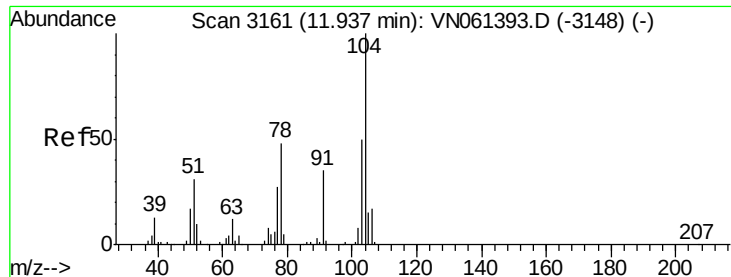
91 228.8 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





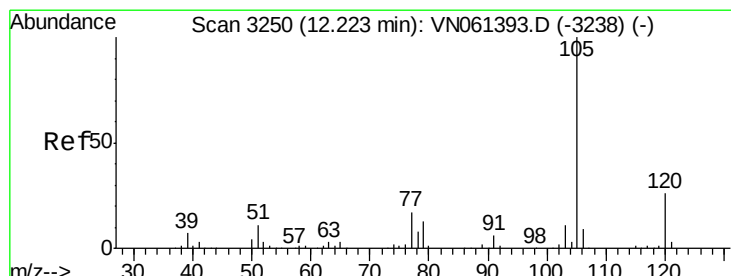
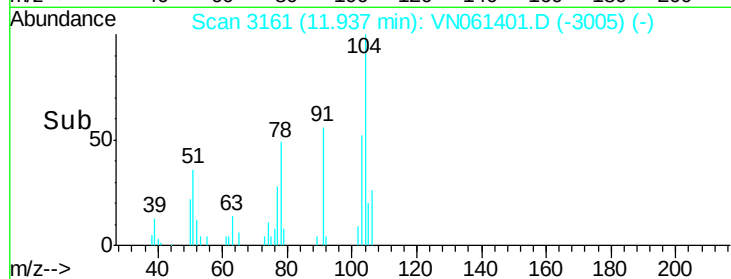
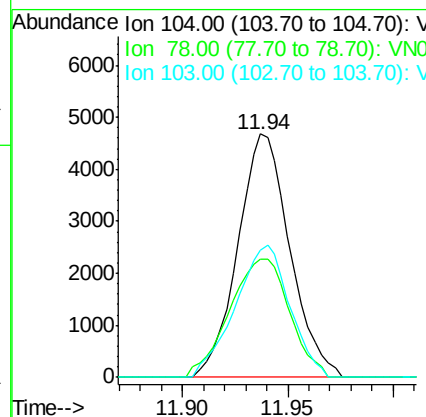
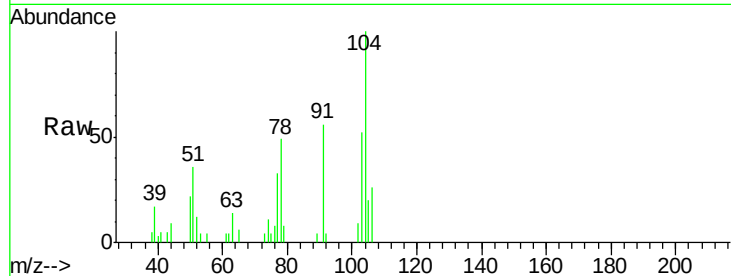
#69
Stvrene
Concen: 2.163 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.2	42.4	63.6
103	56.6	44.6	66.8

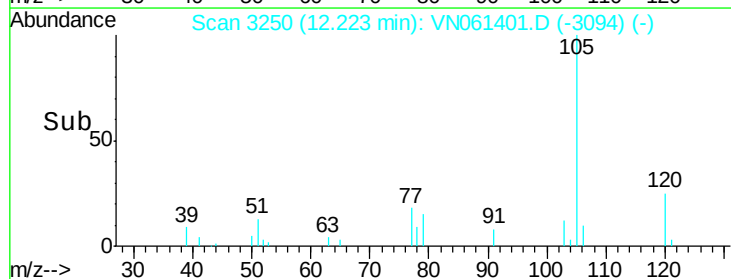
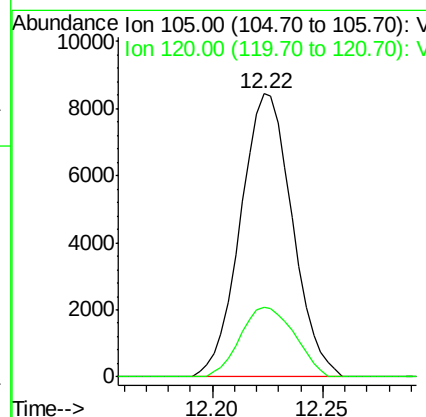
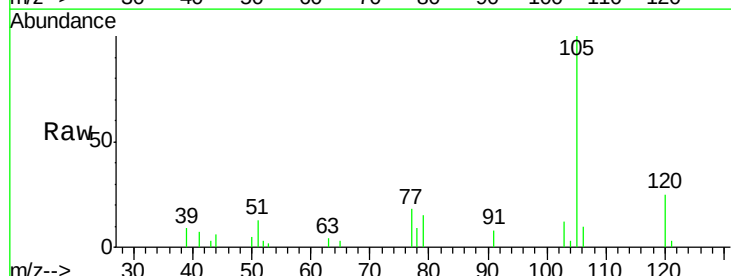
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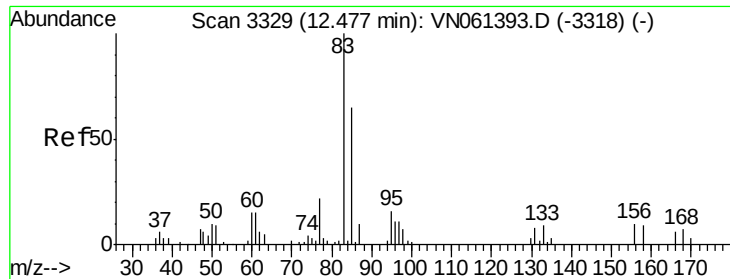
MMDadoda
5/15/2020 2:11:00 PM



#70
Isopropylbenzene
Concen: 2.365 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	18.4	34.2





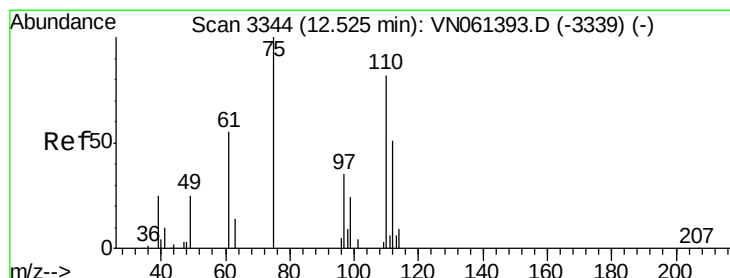
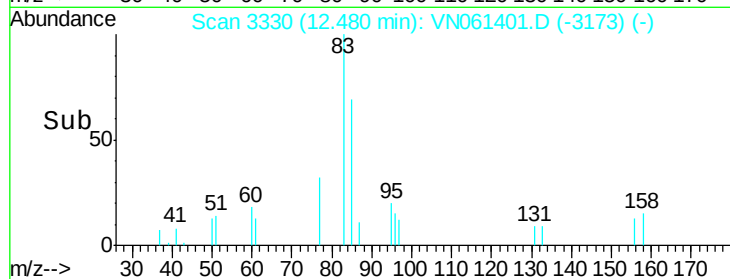
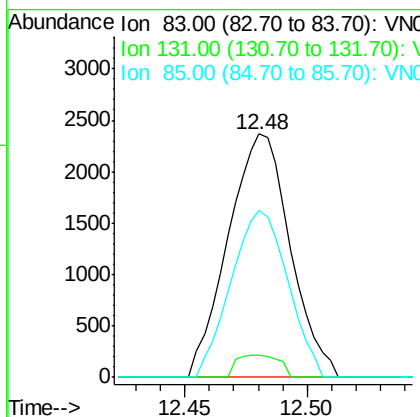
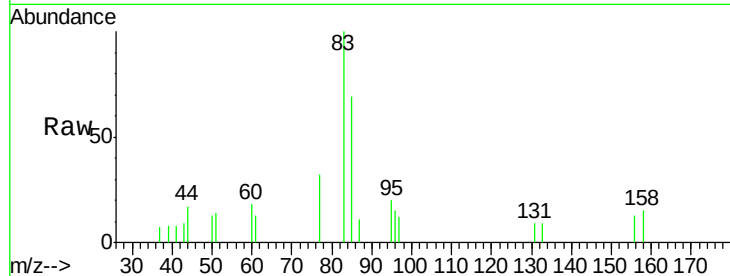
#71
 1,1,2,2-Tetrachloroethane
 Concen: 2.585 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	83	Resp	4168
Ion Ratio	100	Lower	Upper
83	100		
131	6.3	4.9	14.7
85	62.8	31.6	94.7

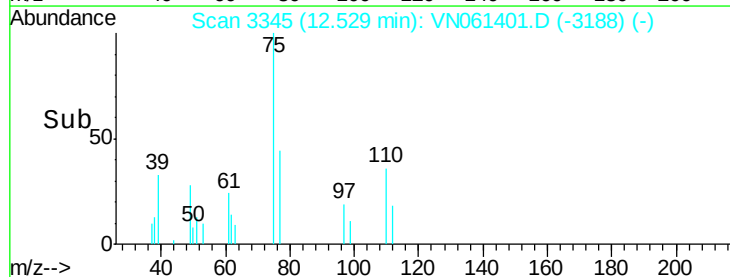
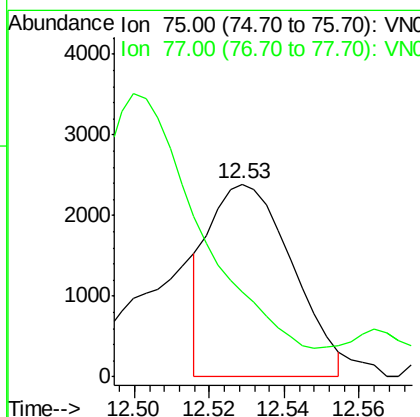
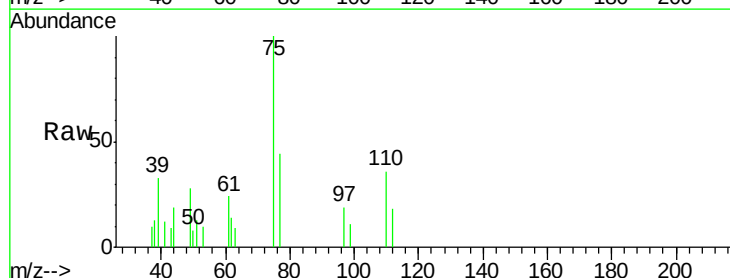
Manual Integrations
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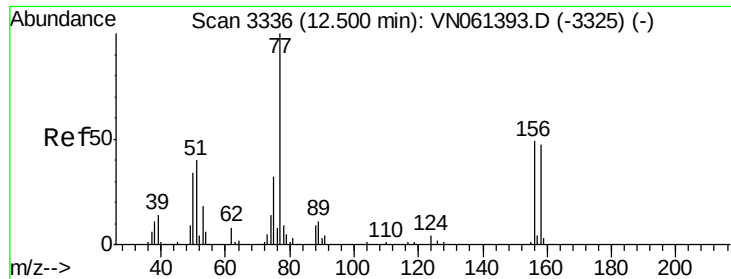
MMDadoda
 5/15/2020 2:11:00 PM



#72
 1,2,3-Trichloropropane
 Concen: 2.377 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Tgt Ion	75	Resp	3656
Ion Ratio	100	Lower	Upper
75	100		
77	204.5	0.0	359.4





#73

Bromobenzene

Concen: 2.331 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

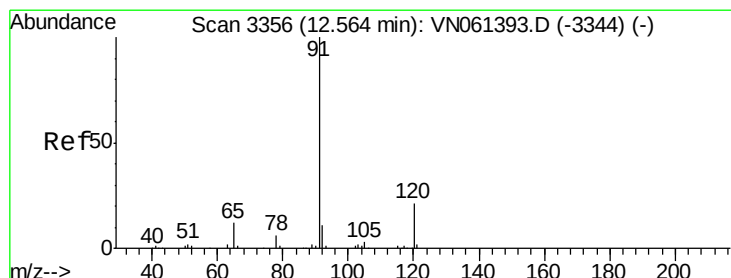
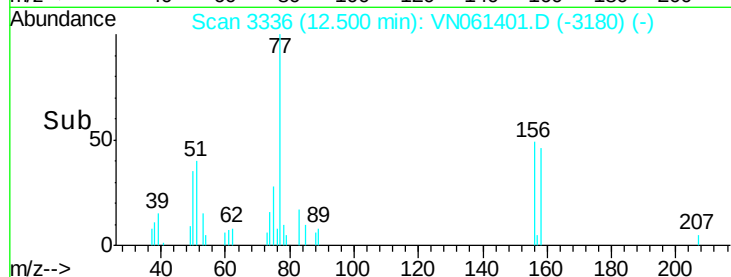
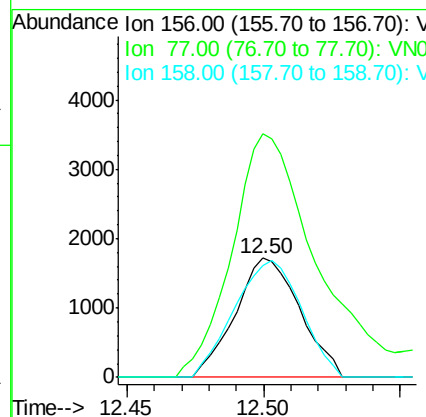
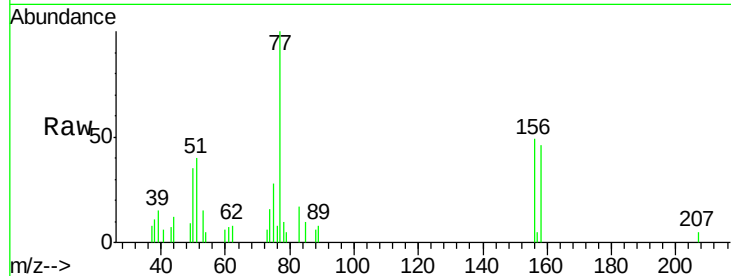
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	156	Resp:	2826
Ion	Ratio	Lower	Upper
156	100		
77	264.5	0.0	456.0
158	101.7	0.0	195.4

Manual Integrations
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#74

n-propylbenzene

Concen: 2.359 ug/l

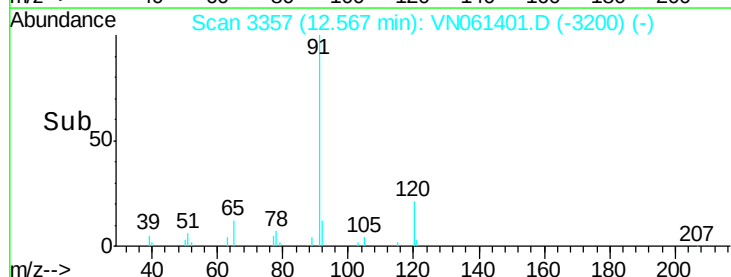
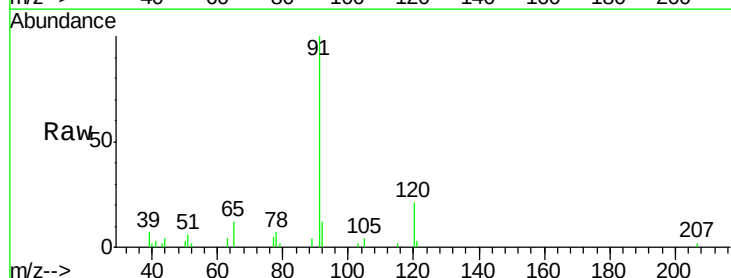
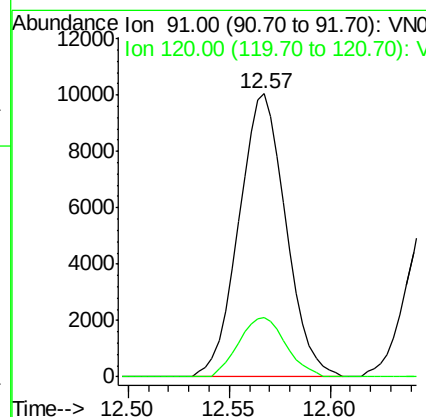
RT: 12.57 min Scan# 3357

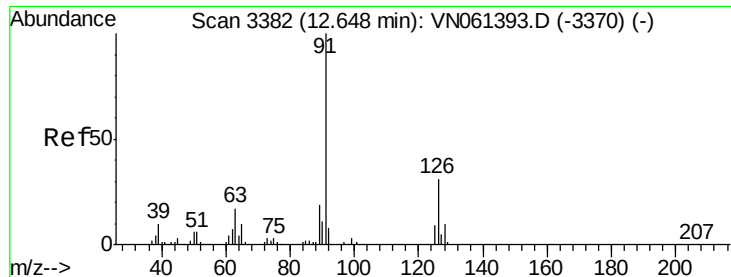
Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Tgt Ion:	91	Resp:	16370
Ion	Ratio	Lower	Upper
91	100		
120	21.1	0.0	43.6





#75

2-Chlorotoluene

Concen: 2.478 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 91 Resp: 9861

Ion Ratio Lower Upper

91 100

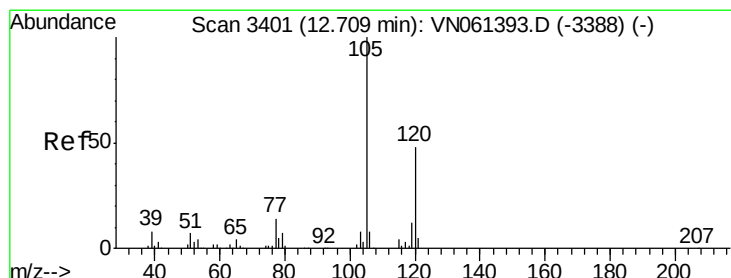
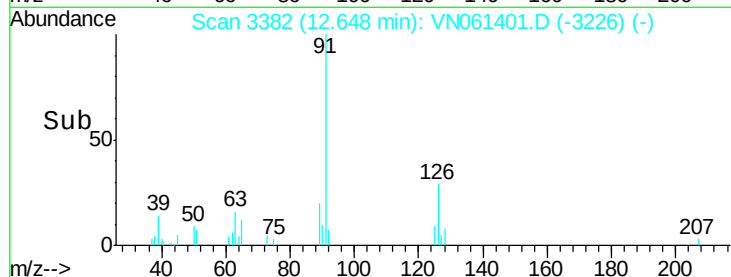
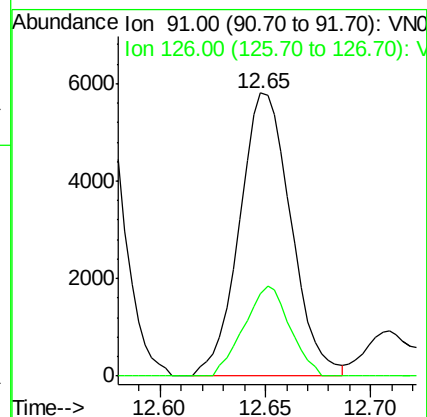
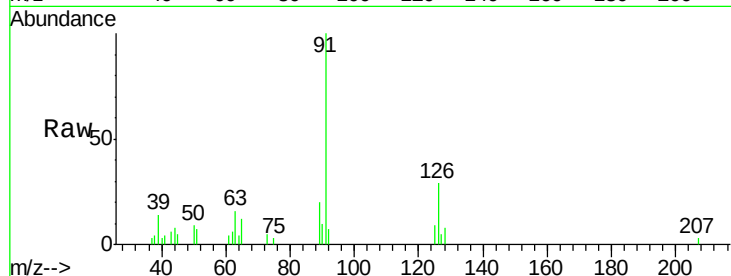
126 28.2 0.0 65.4

Manual Integrations

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5/15/2020 2:11:00 PM



#76

1,3,5-Trimethylbenzene

Concen: 2.265 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061401.D

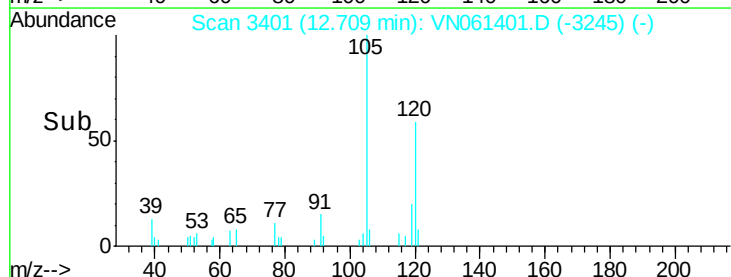
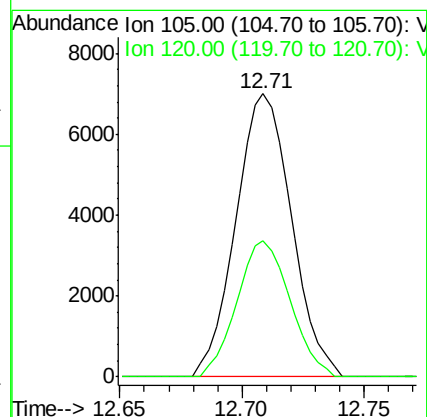
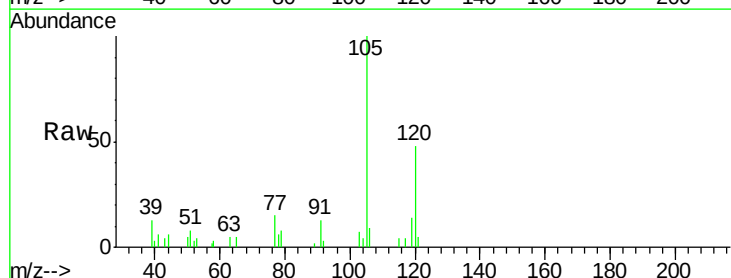
Acq: 14 May 2020 18:30

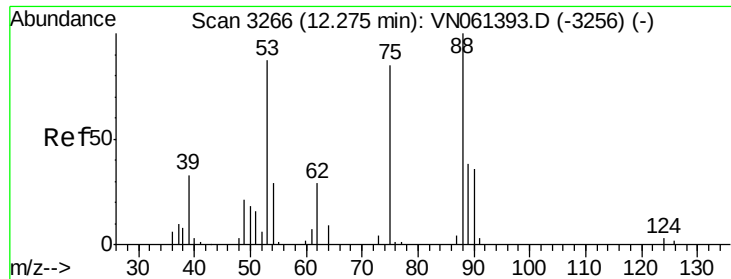
Tgt Ion: 105 Resp: 11093

Ion Ratio Lower Upper

105 100

120 46.0 0.0 94.0





#77

t-1,4-Dichloro-2-butene

Concen: 2.187 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

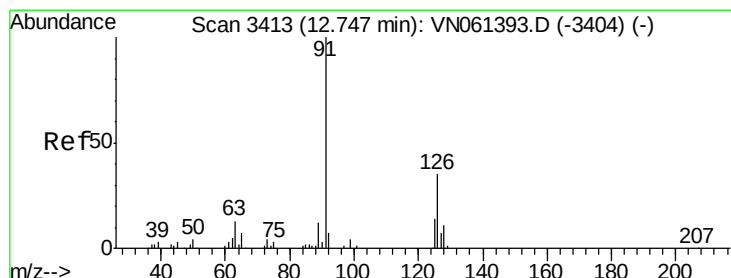
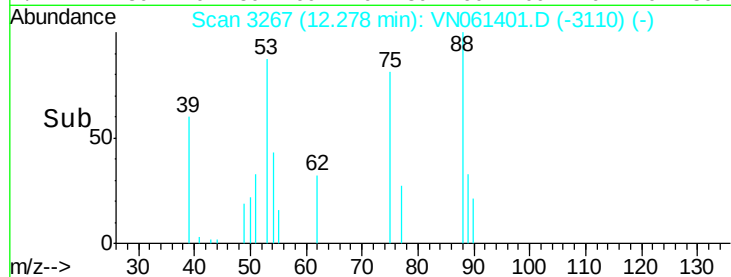
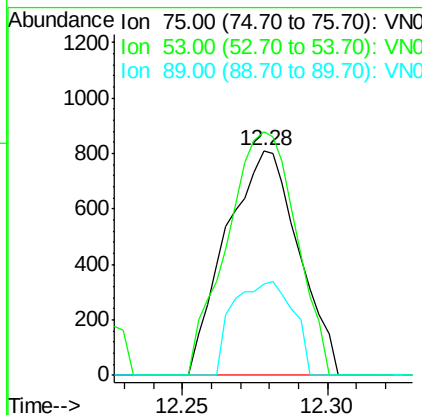
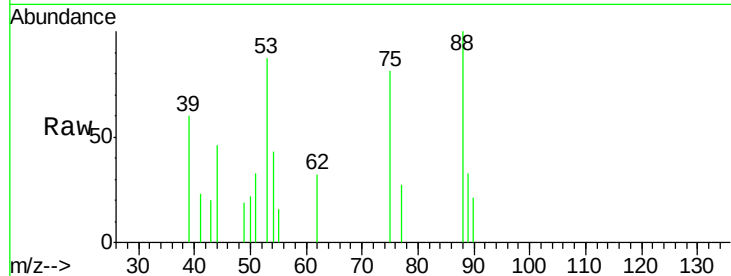
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	75	Resp:	1400
Ion	Ratio	Lower	Upper
75	100		
53	108.3	50.0	150.0
89	40.8	20.7	62.1

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#78

4-Chlorotoluene

Concen: 2.348 ug/l

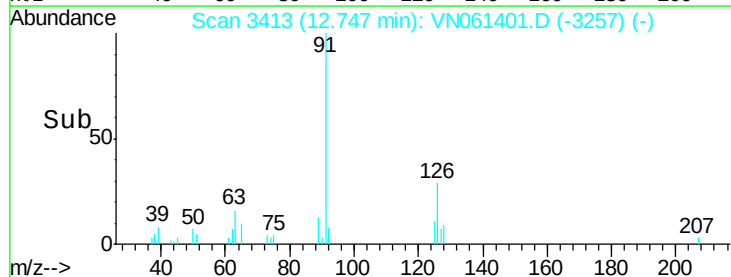
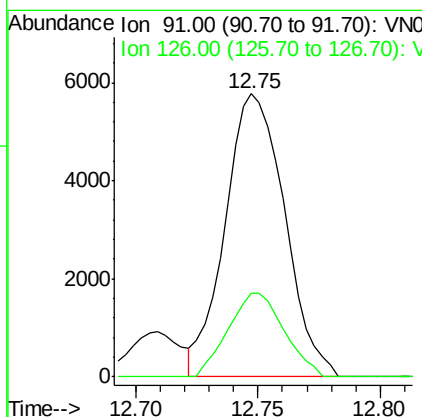
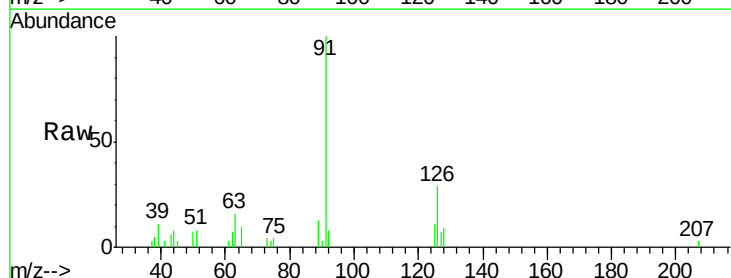
RT: 12.75 min Scan# 3413

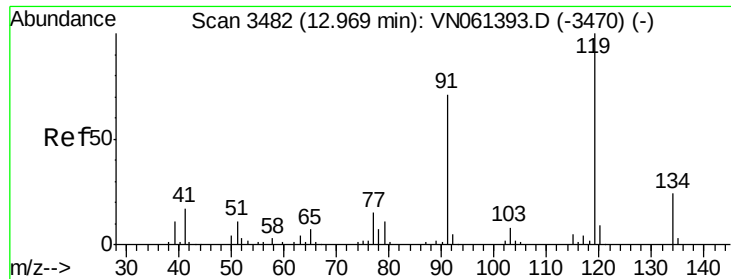
Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Tgt Ion:	91	Resp:	9783
Ion	Ratio	Lower	Upper
91	100		
126	27.8	0.0	63.4





#79

tert-butylbenzene

Concen: 2.359 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

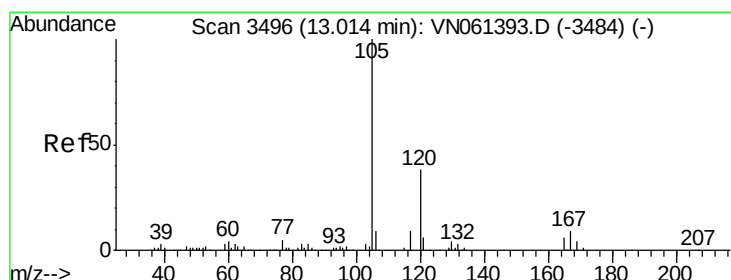
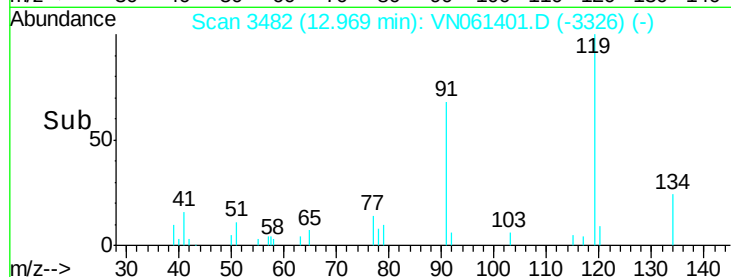
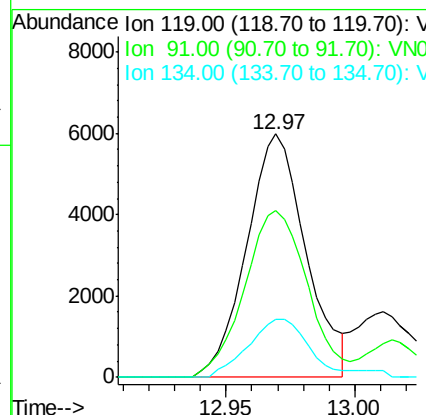
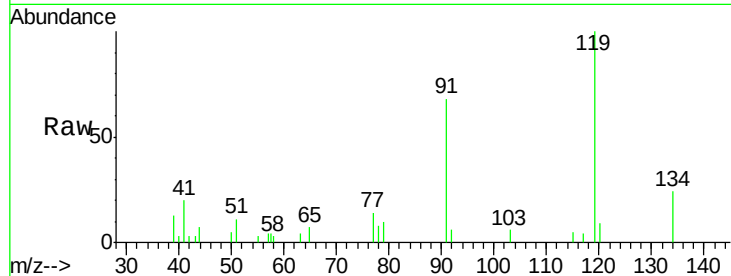
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	119	Resp:	9599
Ion Ratio	Lower	Upper	
119	100		
91	72.6	0.0	136.4
134	23.9	0.0	47.2

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#80

1,2,4-Trimethylbenzene

Concen: 2.311 ug/l

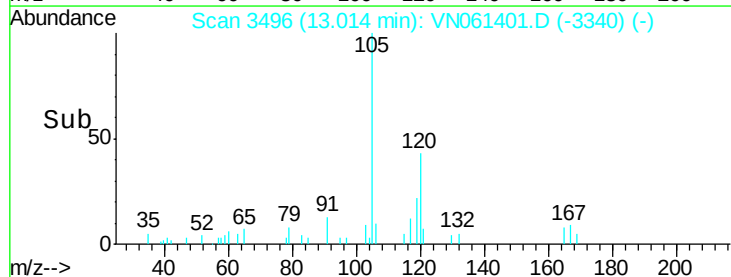
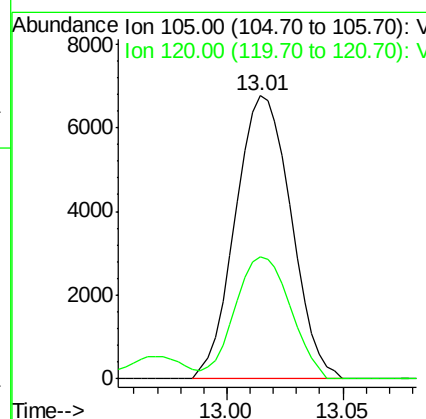
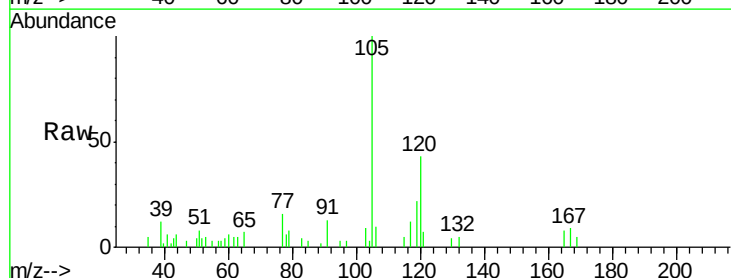
RT: 13.01 min Scan# 3496

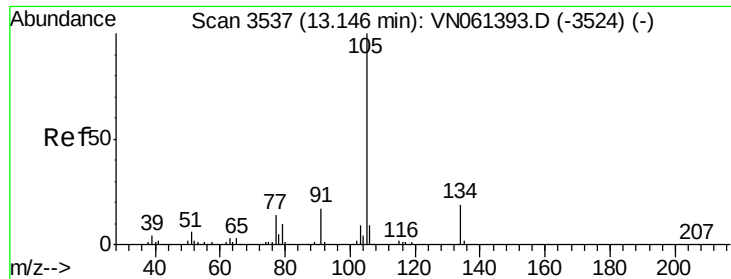
Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Tgt Ion:	105	Resp:	11298
Ion Ratio	Lower	Upper	
105	100		
120	43.0	0.0	89.2





#81

sec-Butylbenzene

Concen: 2.322 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:105 Resp: 13014

Ion Ratio Lower Upper

105 100

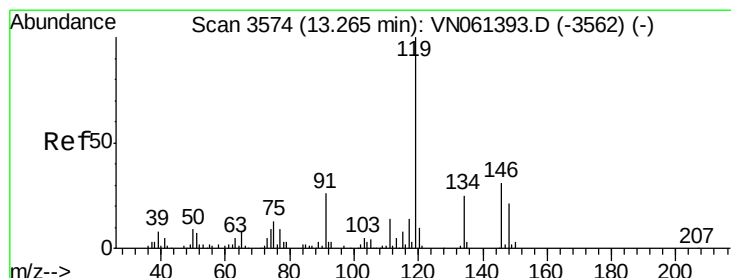
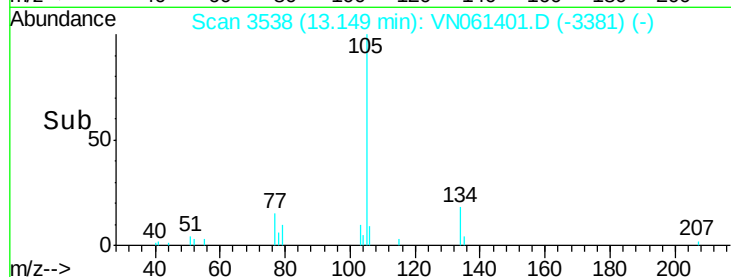
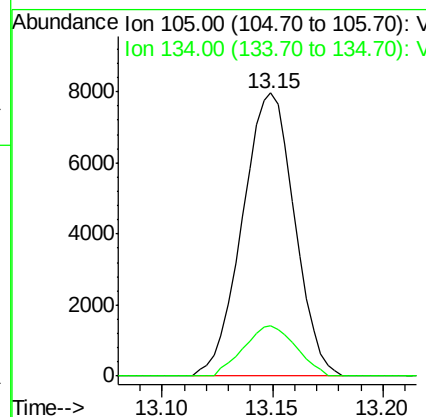
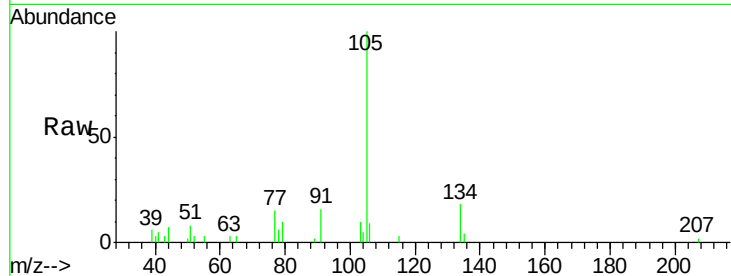
134 17.9 0.0 38.0

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#82

p-Isopropyltoluene

Concen: 2.247 ug/l

RT: 13.27 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

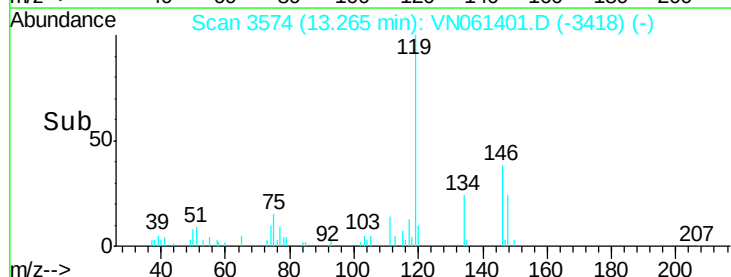
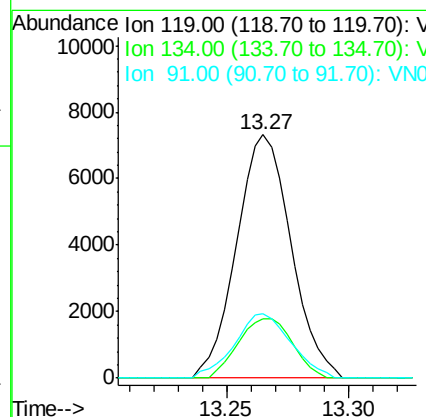
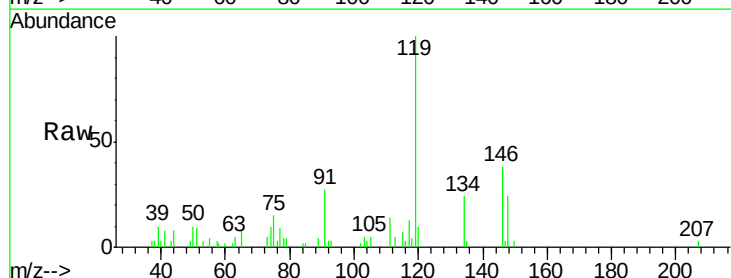
Tgt Ion:119 Resp: 11340

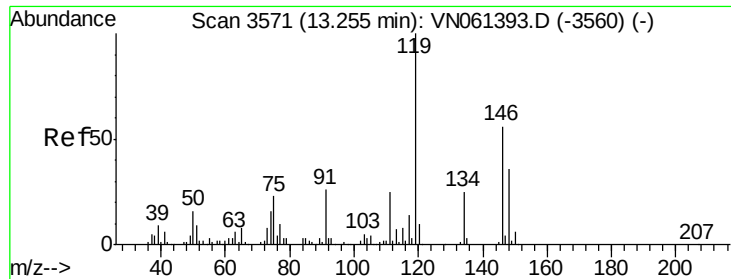
Ion Ratio Lower Upper

119 100

134 24.2 0.0 50.8

91 27.5 0.0 49.4





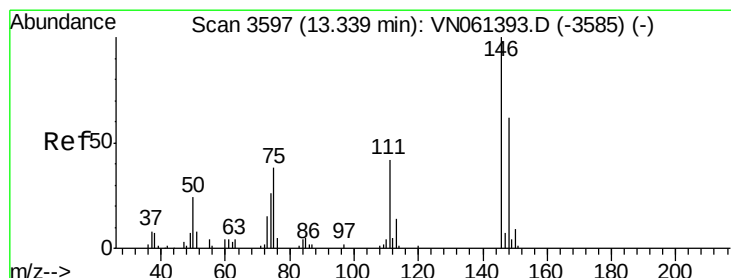
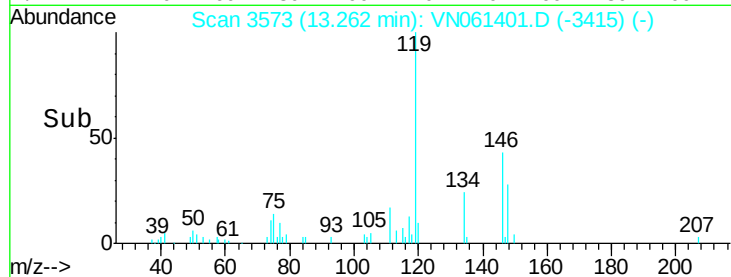
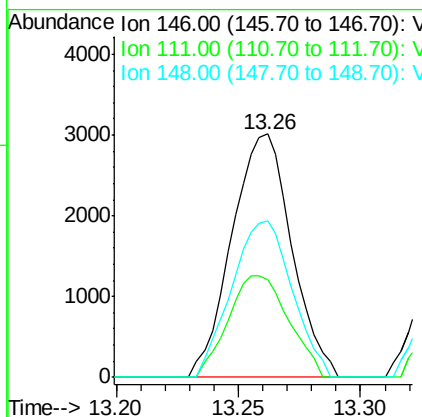
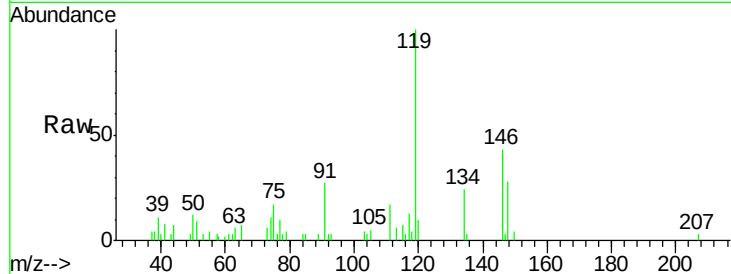
#83
 1,3-Dichlorobenzene
 Concen: 2.276 ug/l
 RT: 13.26 min Scan# 3573
 Delta R.T. 0.01 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.0	63.0
148	64.9	31.7	95.1

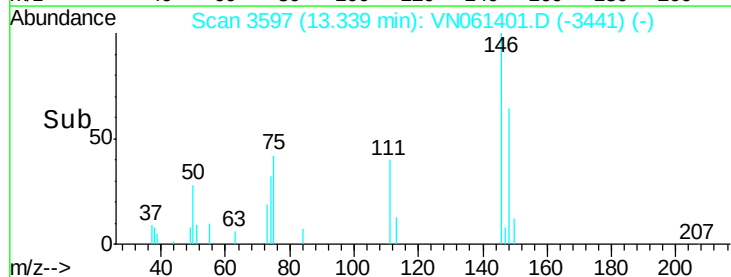
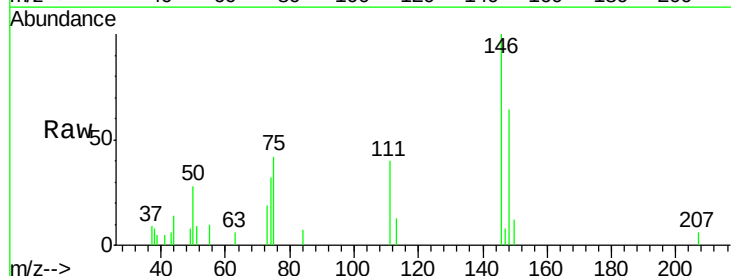
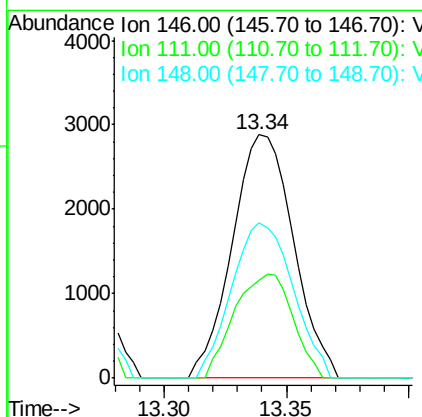
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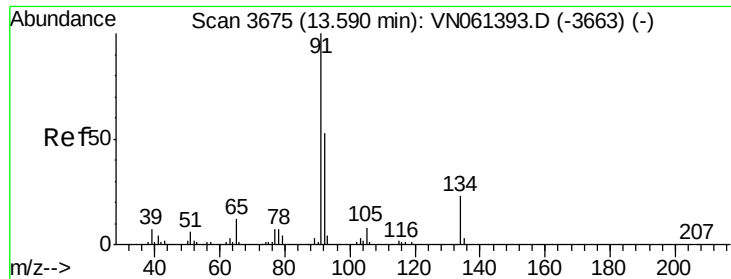
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#84
 1,4-Dichlorobenzene
 Concen: 2.254 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.8	59.4
148	63.9	31.6	94.8





#85

n-Butylbenzene

Concen: 2.370 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

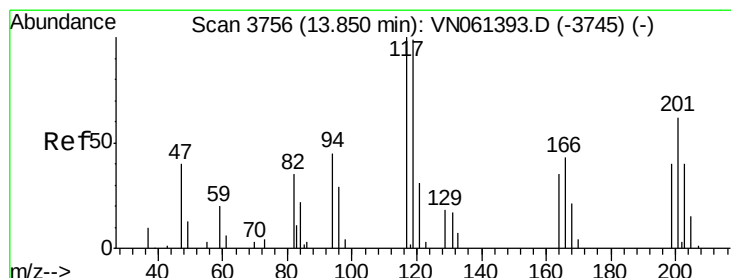
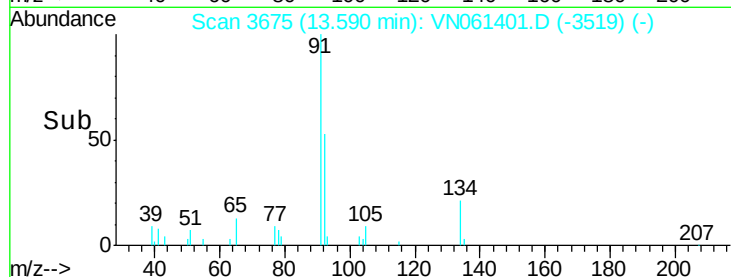
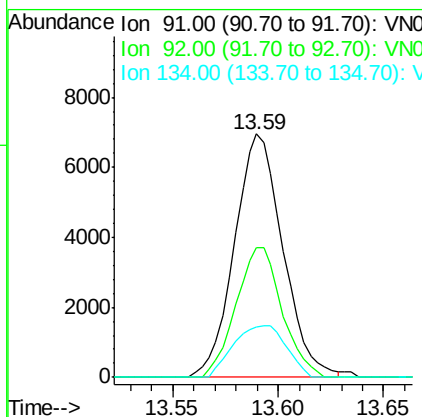
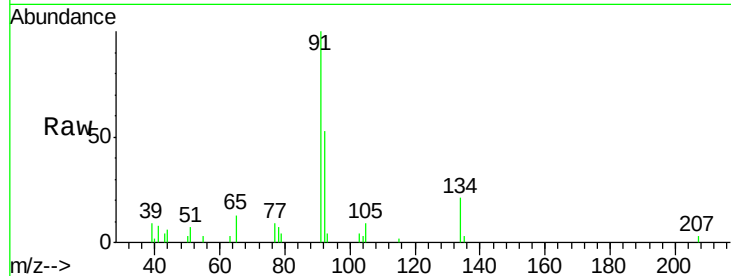
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	91	Resp:	11075
Ion	Ratio	Lower	Upper
91	100		
92	50.9	0.0	102.8
134	23.1	0.0	48.6

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#86

Hexachloroethane

Concen: 2.294 ug/l

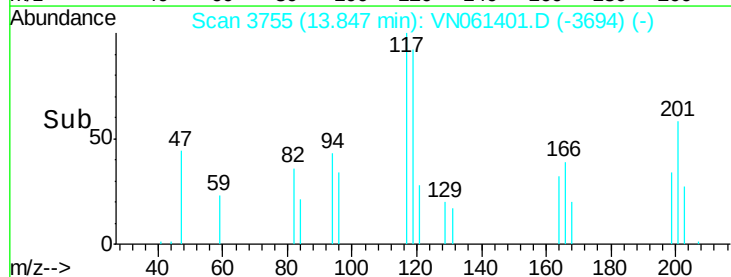
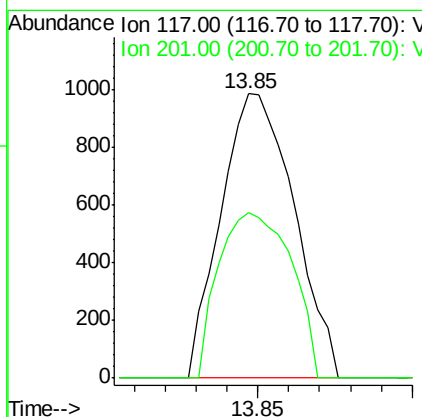
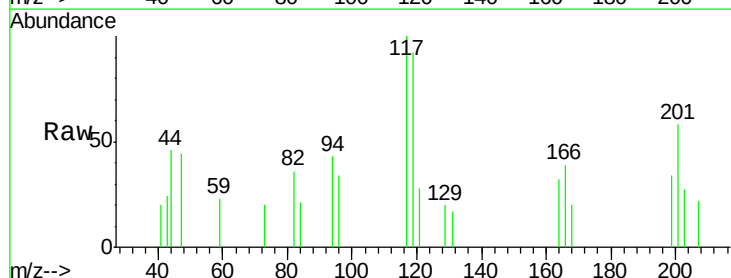
RT: 13.85 min Scan# 3755

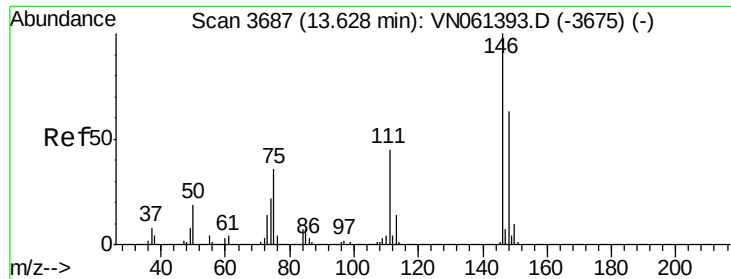
Delta R.T. -0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Tgt Ion:	117	Resp:	1614
Ion	Ratio	Lower	Upper
117	100		
201	57.9	38.7	116.1





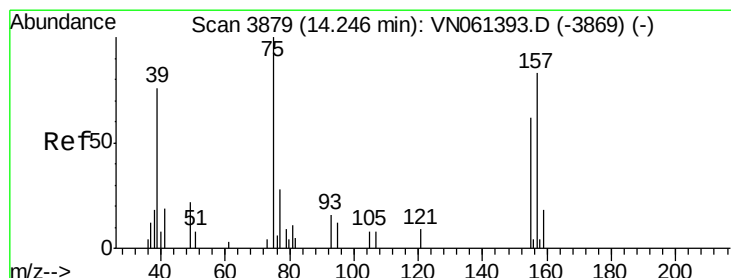
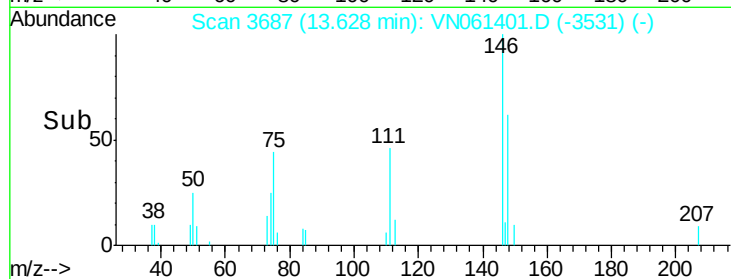
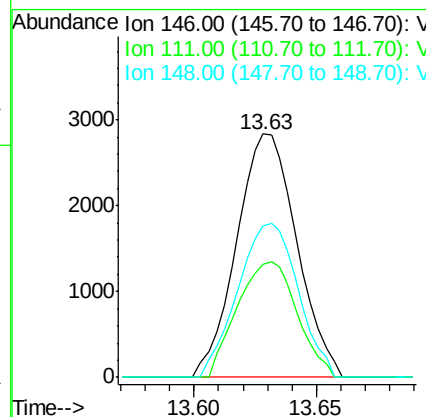
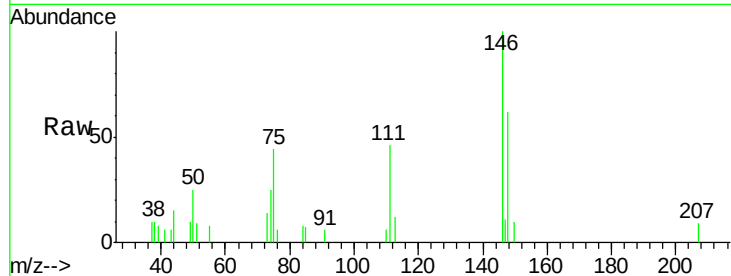
#87
 1,2-Dichlorobenzene
 Concen: 2.270 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.2	21.8	65.4
148	63.2	32.1	96.5

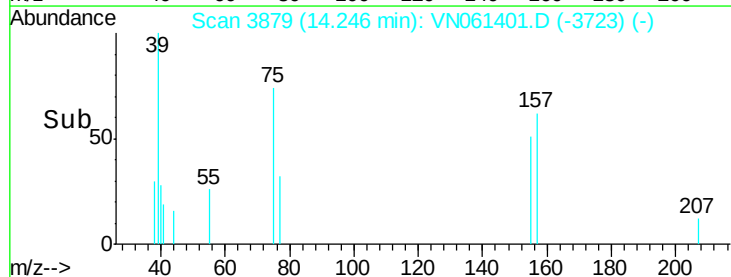
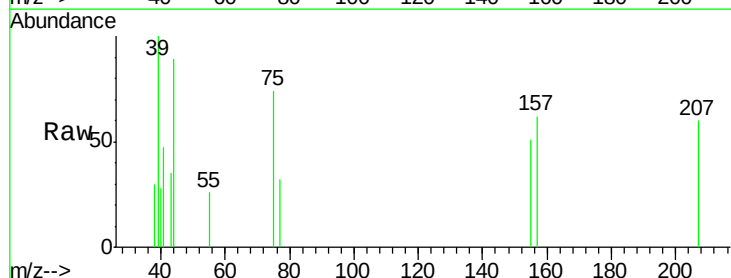
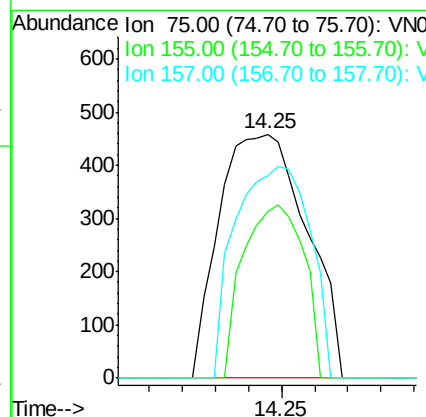
Manual Integrations
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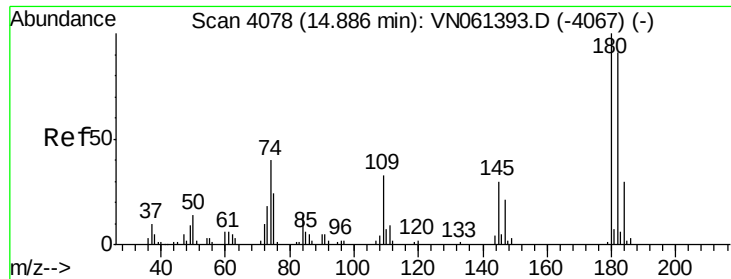
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 2.444 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	49.0	58.3	87.5#
157	74.5	75.0	112.6#





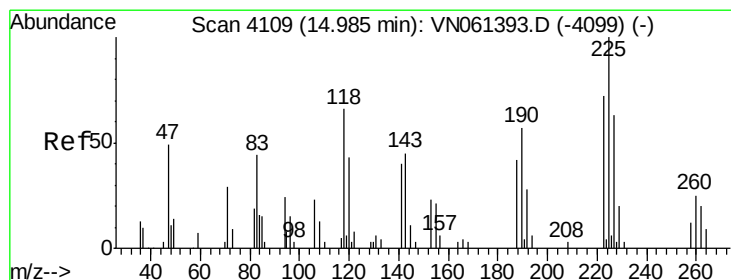
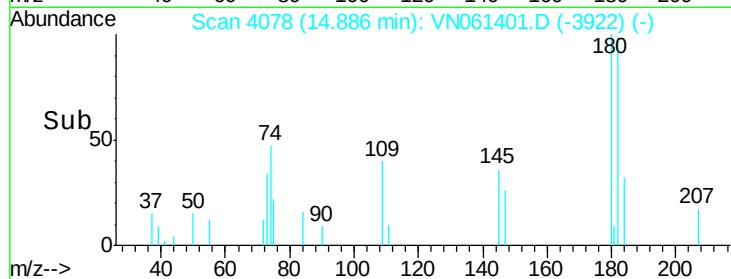
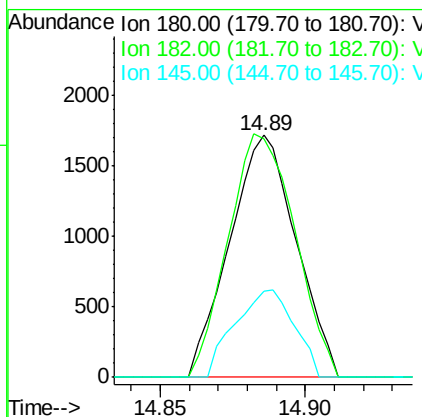
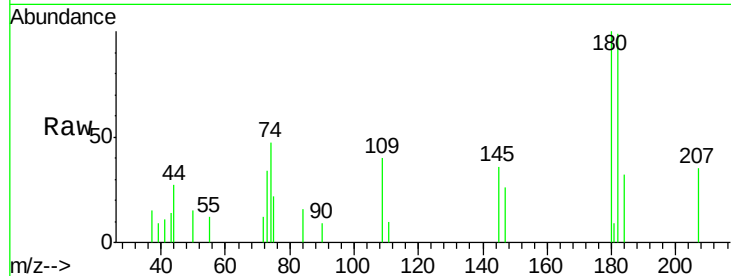
#89
1,2,4-Trichlorobenzene
Concen: 2.230 ug/l
RT: 14.89 min Scan# 4078
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.2	75.3	112.9
145	32.2	24.8	37.2

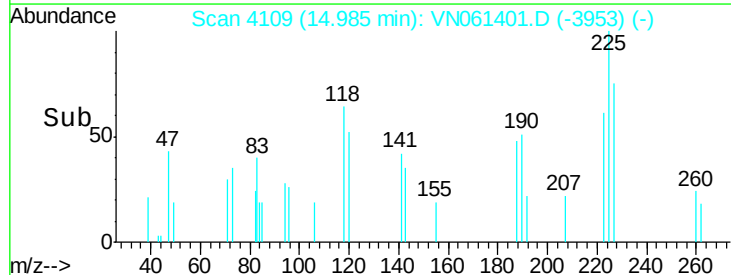
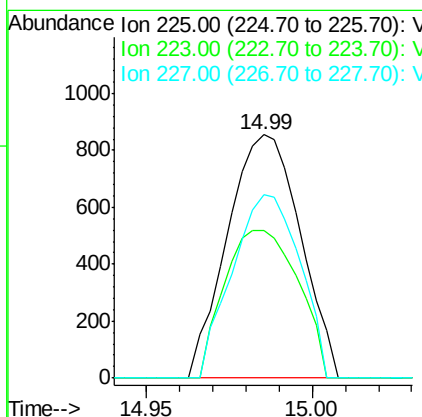
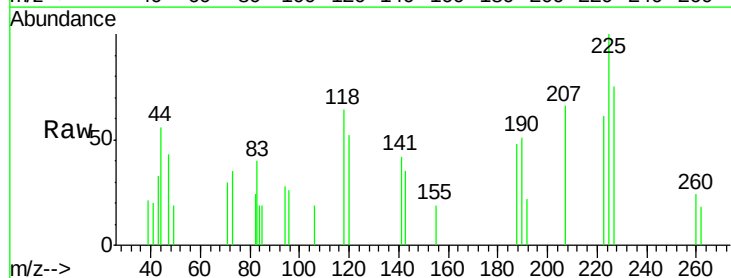
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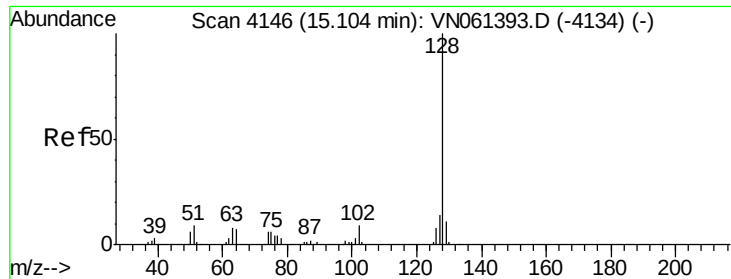
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#90
Hexachlorobutadiene
Concen: 2.613 ug/l
RT: 14.99 min Scan# 4109
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	0.0	126.2
227	69.9	0.0	127.0





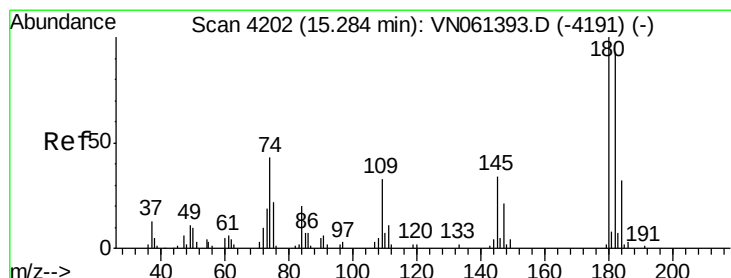
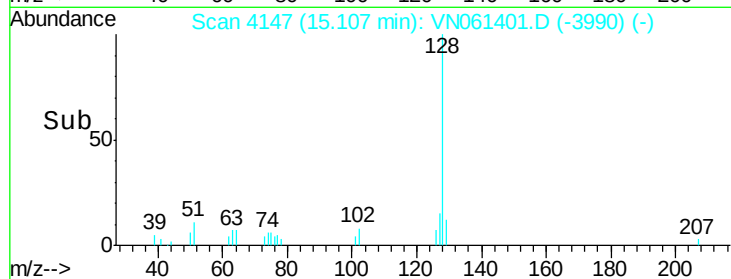
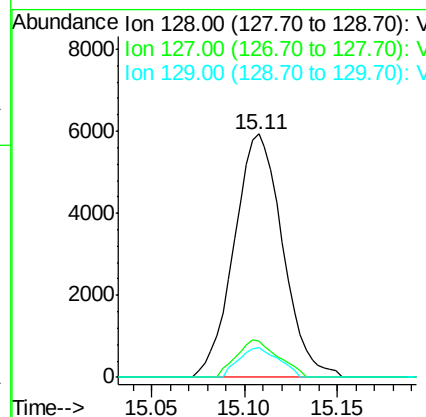
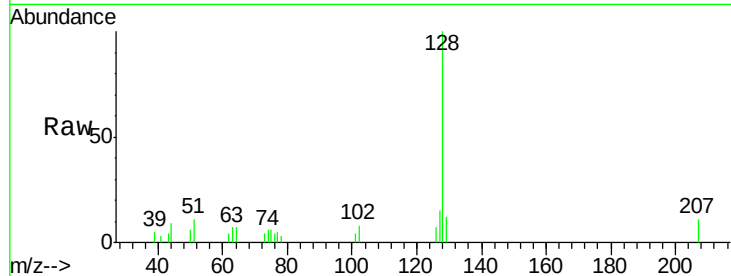
#91
Naphthalene
Concen: 2.795 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	10795		
127	13.2		10.2	15.2
129	10.1		8.6	13.0

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#92
1,2,3-Trichlorobenzene
Concen: 2.553 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	3045		
182	94.0		0.0	193.4
145	33.5		0.0	65.8

