

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061402.D
 Acq On : 14 May 2020 19:16
 Operator : JC/MD
 Sample : L2182-08 5.0 PPB L00
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 2:11:06 PM

Quant Time: May 15 07:26:47 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	17439	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	102363	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	91657	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	48698	31.18	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.93%
60) 4-Bromofluorobenzene	12.38	95	44473	28.42	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.73%
63) Toluene-d8	10.06	98	130956	30.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	3796	4.781 ug/l	96
3) Chloromethane	2.03	50	8315	5.727 ug/l	97
4) Vinyl Chloride	2.16	62	11004	5.654 ug/l	99
5) Bromomethane	2.54	94	6285	6.358 ug/l	100
6) Chloroethane	2.67	64	7758	5.892 ug/l	99
7) Trichlorofluoromethane	2.98	101	9816	4.713 ug/l	96
8) Diethyl Ether	3.37	74	3363	5.077 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	4876	5.480 ug/l	51
10) 1,1-Dichloroethene	3.69	96	5356	5.718 ug/l	93
11) Methyl Iodide	3.91	142	5565	5.489 ug/l	96
12) Methyl Acetate	4.28	43	5942	5.223 ug/l	100
13) Acrolein	3.57	56	5729	29.909 ug/l	96
14) Acrylonitrile	4.93	53	14284	26.749 ug/l #	86
15) Acetone	3.77	58	3544	27.637 ug/l #	60
16) Carbon Disulfide	4.01	76	15965	6.063 ug/l	98
17) Allyl chloride	4.27	41	9535	5.057 ug/l	99
18) Methylene Chloride	4.51	84	6278	5.554 ug/l	93
19) trans-1,2-Dichloroethene	4.98	96	5652m	5.070 ug/l	
20) Diisopropyl ether	5.90	45	23083	5.259 ug/l	97
21) 1,1-Dichloroethane	5.80	63	11958	5.217 ug/l	97
22) cis-1,2-Dichloroethene	6.78	96	7148	5.468 ug/l	98
23) tert-Butyl Alcohol	4.73	59	5752	33.604 ug/l #	100
24) Methyl tert-Butyl Ether	5.00	73	20313	5.343 ug/l	99
25) Chloroform	7.33	83	11791	5.307 ug/l	99
26) Cyclohexane	7.61	56	11847	5.413 ug/l #	93
29) 1,1-Dichloropropene	7.75	75	9473	5.274 ug/l	96
30) 2-Butanone	6.79	43	20821	27.401 ug/l	97
31) 2,2-Dichloropropane	6.77	77	10820	5.156 ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	10301	5.125 ug/l	97
33) Carbon Tetrachloride	7.73	117	7056	4.574 ug/l	97
34) Benzene	8.00	78	25517	5.021 ug/l #	65
35) Methacrylonitrile	7.13	41	4930	6.469 ug/l	89
36) 1,2-Dichloroethane	8.09	62	10260	5.259 ug/l	98
37) Trichloroethene	8.80	130	6439	5.146 ug/l	100
38) Methylcyclohexane	9.05	83	10412	4.829 ug/l	90
39) 1,2-Dichloropropane	9.09	63	7434	5.321 ug/l	99
40) Dibromomethane	9.18	93	4574	5.301 ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.37	83	9628	5.143	ug/l #	98
42) Vinyl Acetate	5.84	43	94295	26.132	ug/l	99
43) Ethyl Acetate	6.88	43	7499	4.620	ug/l	99
44) Isopropyl Acetate	8.13	43	17719	5.623	ug/l #	89
45) 1,4-Dioxane	9.16	88	1897	152.541	ug/l #	78
46) Methyl methacrylate	9.17	41	7561	5.102	ug/l	93
47) n-amyl Acetate	12.05	43	13513	4.808	ug/l	98
48) t-1,3-Dichloropropene	10.36	75	10851	4.912	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	11505	4.924	ug/l	95
50) 1,1,2-Trichloroethane	10.53	97	6179	5.179	ug/l	94
51) Ethyl methacrylate	10.40	69	10405	5.062	ug/l	88
52) 1,3-Dichloropropane	10.68	76	11260	5.168	ug/l	99
53) Dibromochloromethane	10.87	129	5861	4.483	ug/l	97
54) 1,2-Dibromoethane	10.98	107	5968	4.848	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	22606	24.849	ug/l	98
56) Bromoform	12.10	173	3590	4.367	ug/l #	95
58) 4-Methyl-2-Pentanone	9.95	43	45353	27.154	ug/l	99
59) 2-Hexanone	10.72	43	31445	26.616	ug/l	100
61) Tetrachloroethene	10.60	164	5877	5.127	ug/l	94
62) Toluene	10.12	91	28015	5.271	ug/l	100
64) Chlorobenzene	11.41	112	15785	5.018	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	5836	5.077	ug/l	97
66) Ethyl Benzene	11.49	91	30822	5.053	ug/l	100
67) m/p-Xylenes	11.59	106	22085	9.806	ug/l	97
68) o-Xylene	11.92	106	10553	4.909	ug/l	94
69) Styrene	11.94	104	17007	4.598	ug/l	98
70) Isopropylbenzene	12.22	105	28146	4.833	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	8608	5.350	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	7022m	4.576	ug/l	
73) Bromobenzene	12.50	156	5695	4.708	ug/l	98
74) n-propylbenzene	12.57	91	33629	4.856	ug/l	97
75) 2-Chlorotoluene	12.65	91	19193	4.833	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	23628	4.834	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	2808	4.396	ug/l	96
78) 4-Chlorotoluene	12.75	91	19739	4.747	ug/l	96
79) tert-butylbenzene	12.97	119	20129	4.958	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	22634	4.640	ug/l	100
81) sec-Butylbenzene	13.15	105	26923	4.814	ug/l	99
82) p-Isopropyltoluene	13.26	119	23184	4.603	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	10221	4.546	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	9731	4.373	ug/l	98
85) n-Butylbenzene	13.59	91	21334	4.575	ug/l	98
86) Hexachloroethane	13.85	117	3238	4.612	ug/l	79
87) 1,2-Dichlorobenzene	13.63	146	9879	4.632	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.25	75	1455	4.243	ug/l	95
89) 1,2,4-Trichlorobenzene	14.89	180	4873	3.977	ug/l	98
90) Hexachlorobutadiene	14.99	225	2277	4.562	ug/l	94
91) Naphthalene	15.10	128	15882	4.121	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	5044	4.238	ug/l	98

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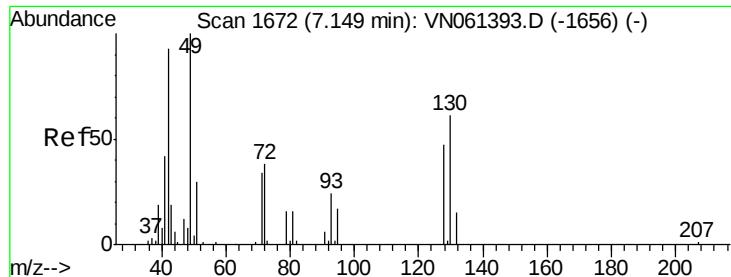
Manual Integrations
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5/15/2020 2:11:06 PM

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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



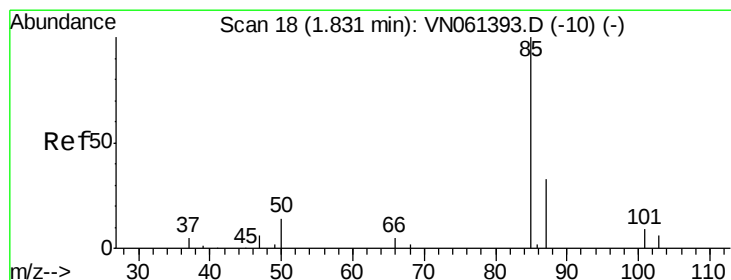
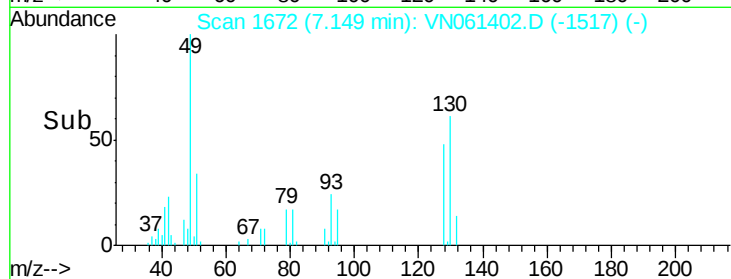
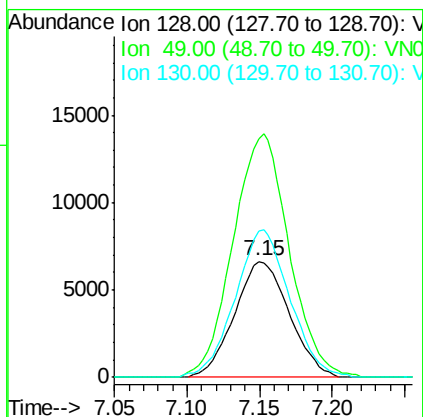
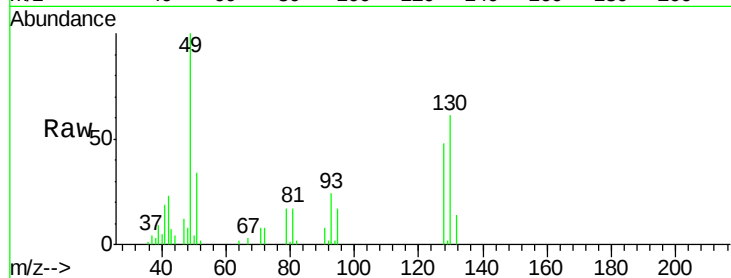
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

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

Tot Ion	Ratio	Lower	Upper
128	100		
49	214.5	0.0	453.5
130	127.1	0.0	314.2

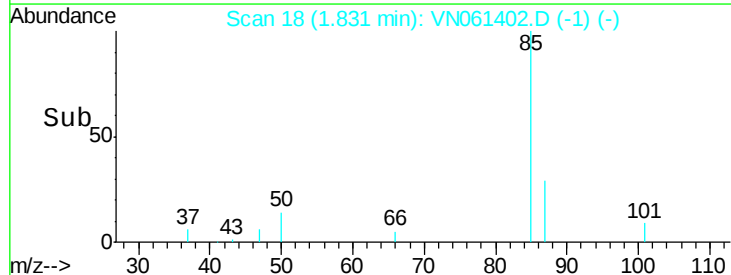
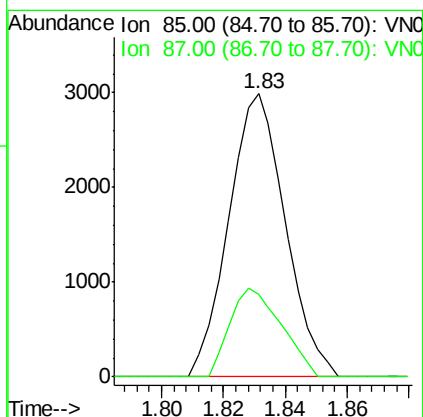
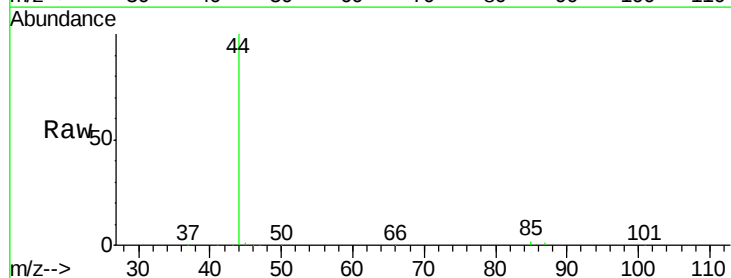
Manual Integrations
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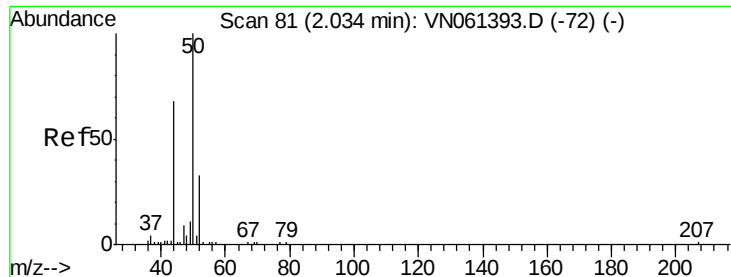
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#2
 Dichlorodifluoromethane
 Concen: 4.781 ug/l
 RT: 1.83 min Scan# 18
 Delta R.T. -0.00 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

Tgt Ion	Ratio	Lower	Upper
85	100		
87	29.3	15.7	47.0





#3

Chloromethane

Concen: 5.727 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061402.D

Acq: 14 May 2020 19:16

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 50 Resp: 8315

Ion Ratio Lower Upper

50 100

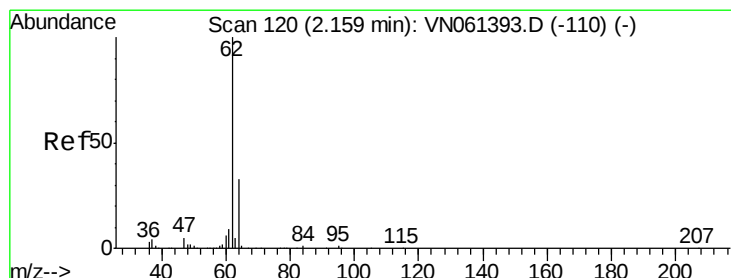
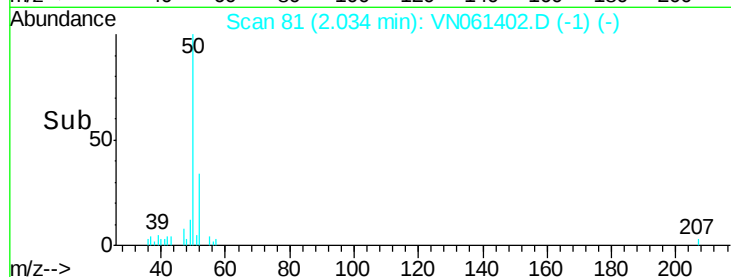
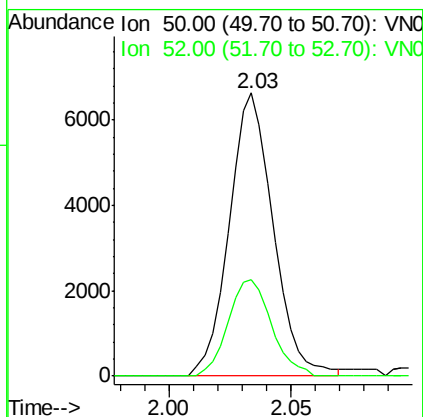
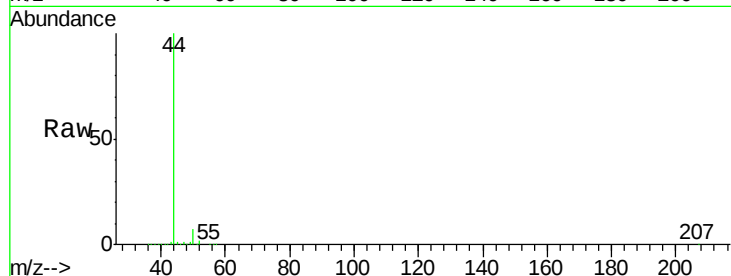
52 34.2 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.654 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061402.D

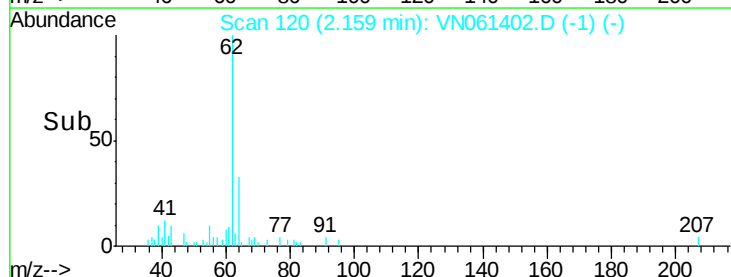
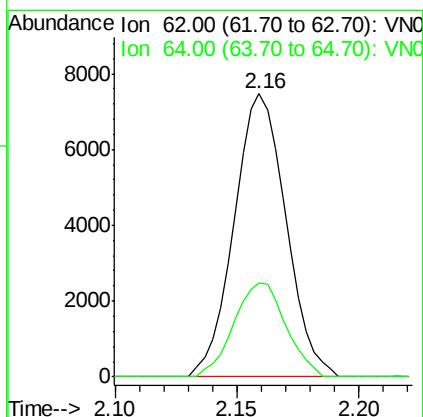
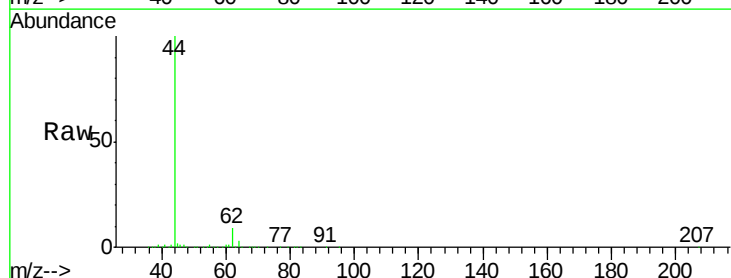
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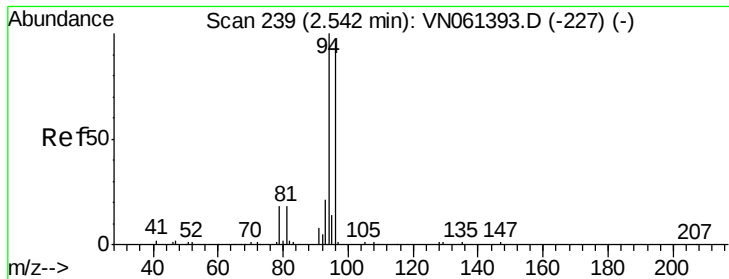
Tgt Ion: 62 Resp: 11004

Ion Ratio Lower Upper

62 100

64 33.3 26.1 39.1





#5

Bromomethane

Concen: 6.358 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN061402.D

Acq: 14 May 2020 19:16

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 94 Resp: 6285

Ion Ratio Lower Upper

94 100

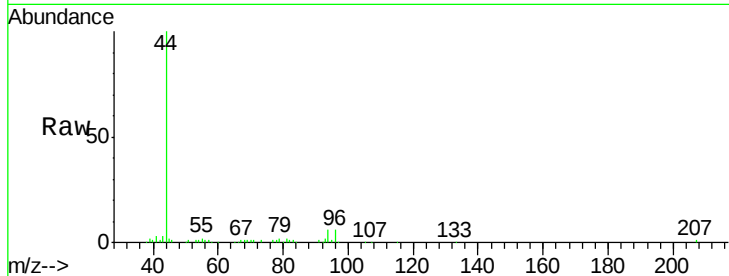
96 91.9 73.7 110.5

Manual Integrations

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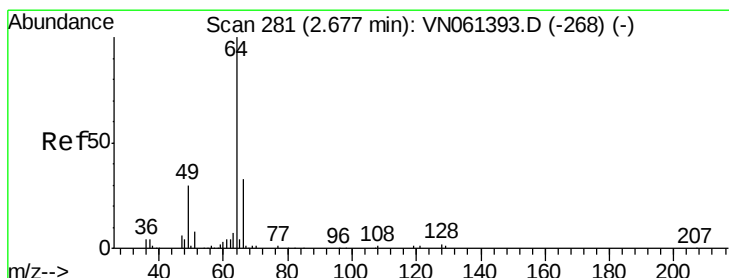
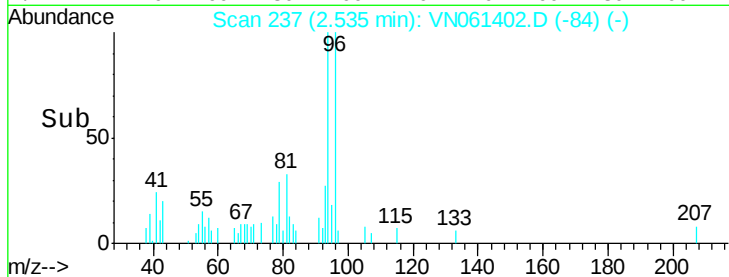
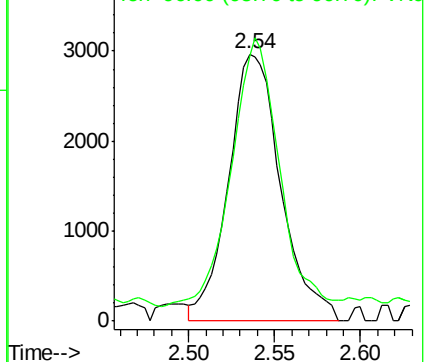
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Abundance Ion 94.00 (93.70 to 94.70): VN061393.D (-227) (-)

Ion 96.00 (95.70 to 96.70): VN061393.D (-227) (-)



#6

Chloroethane

Concen: 5.892 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN061402.D

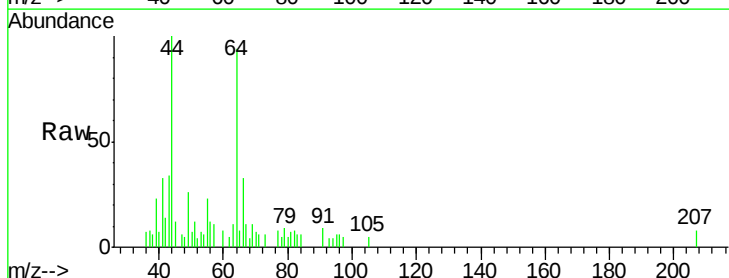
Acq: 14 May 2020 19:16

Tgt Ion: 64 Resp: 7758

Ion Ratio Lower Upper

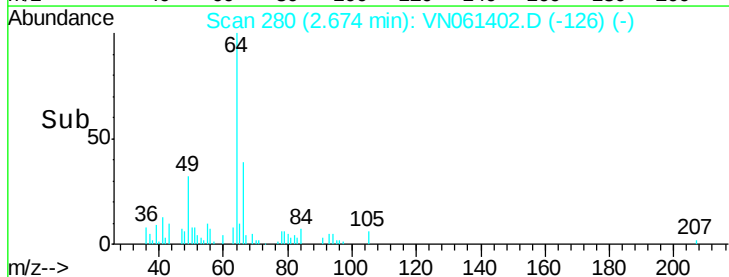
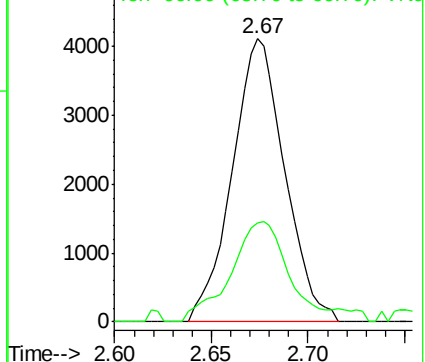
64 100

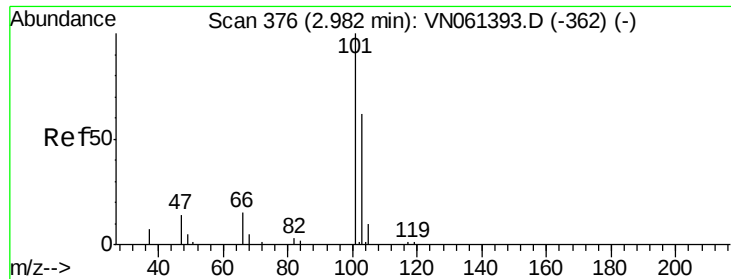
66 31.4 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN061393.D (-268) (-)

Ion 66.00 (65.70 to 66.70): VN061393.D (-268) (-)





#7

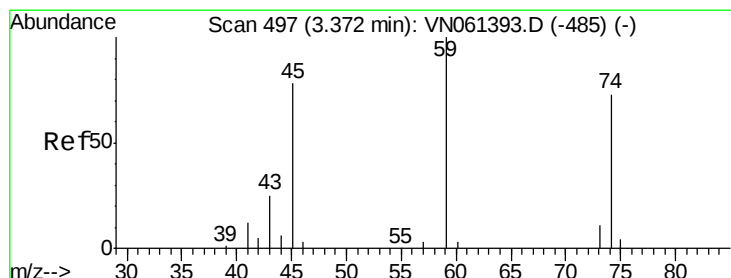
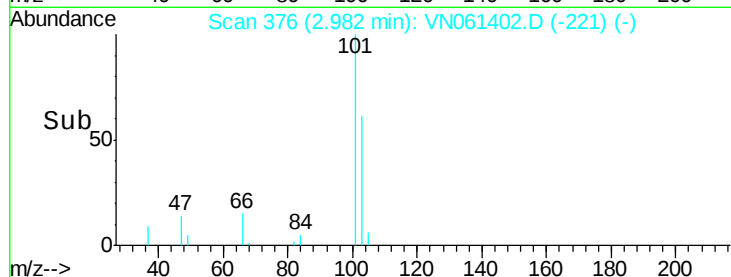
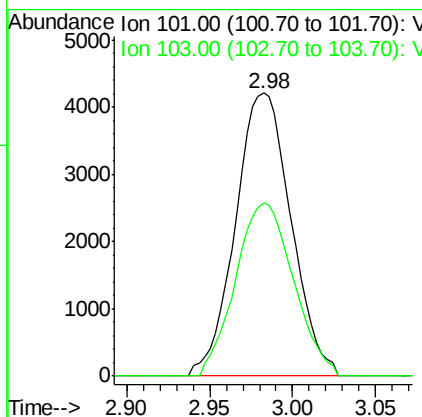
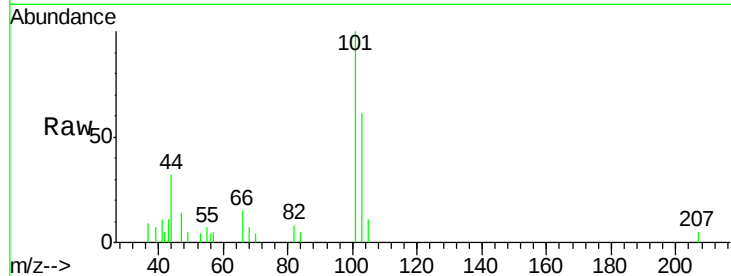
Trichlorofluoromethane
Concen: 4.713 ug/l
RT: 2.98 min Scan# 376
Delta R.T. -0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

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

Tot Ion:101 Resp: 9816
Ion Ratio Lower Upper
101 100
103 61.2 51.5 77.3

Manual Integrations
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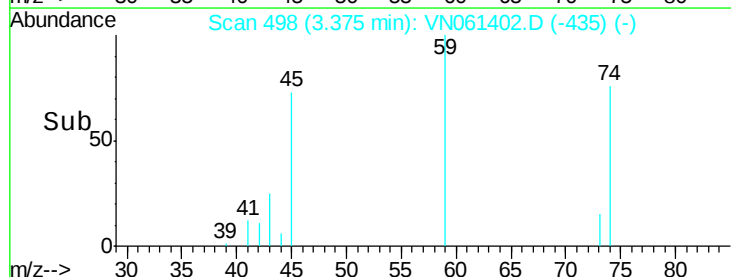
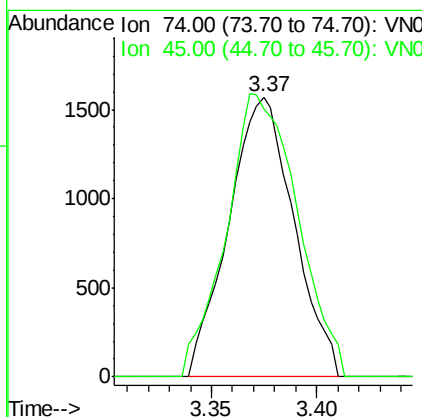
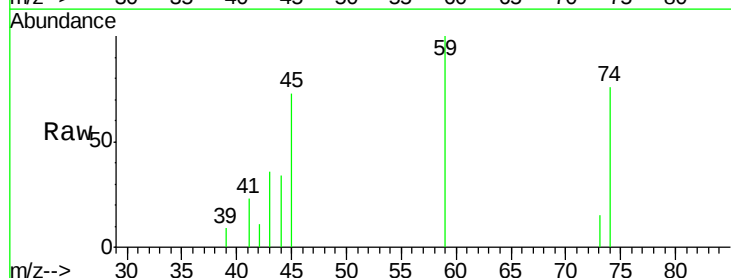
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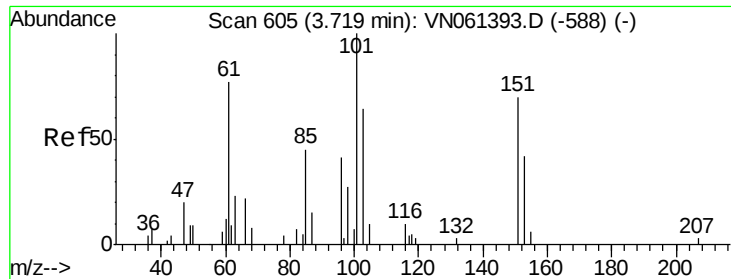


#8

Diethyl Ether
Concen: 5.077 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

Tgt Ion: 74 Resp: 3363
Ion Ratio Lower Upper
74 100
45 110.6 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.480 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061402.D

Acq: 14 May 2020 19:16

Instrument :

MSVOA_N

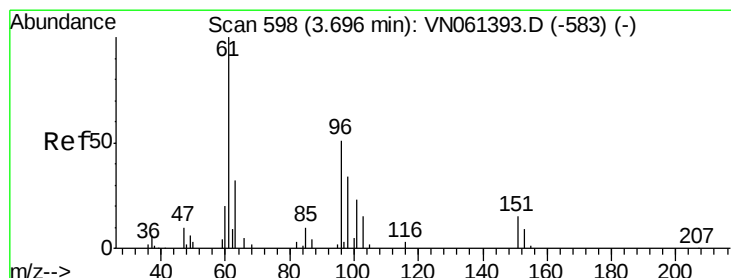
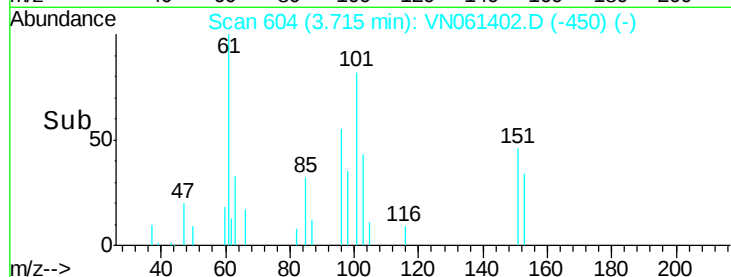
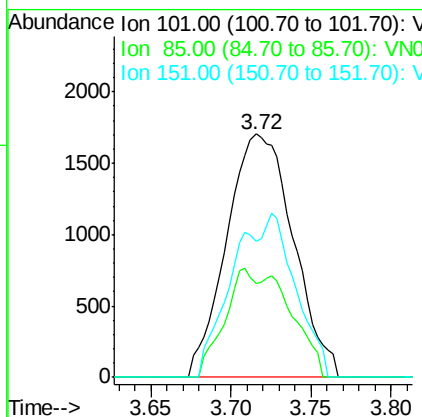
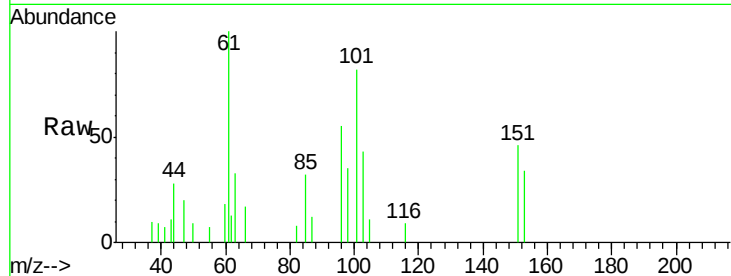
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	101	Resp:	4876
Ion Ratio	Lower	Upper	
101	100		
85	20.9	0.0	93.8
151	28.2	0.0	149.6

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#10

1,1-Dichloroethene

Concen: 5.718 ug/l

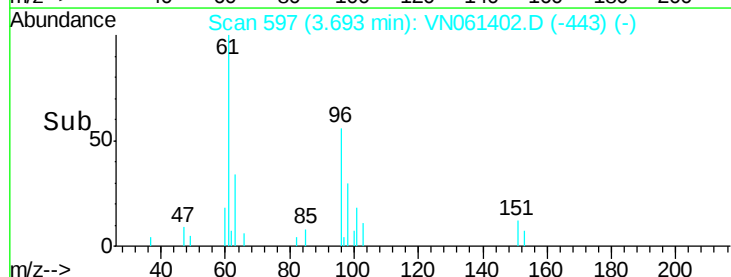
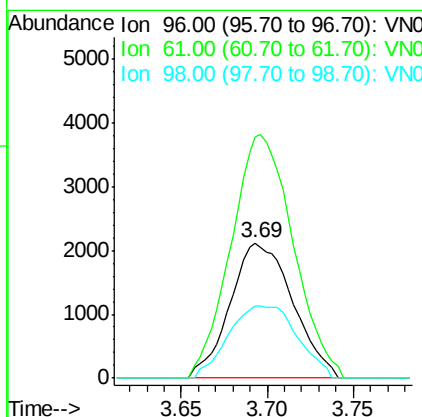
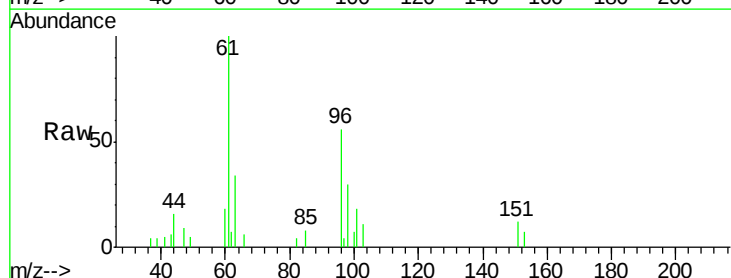
RT: 3.69 min Scan# 597

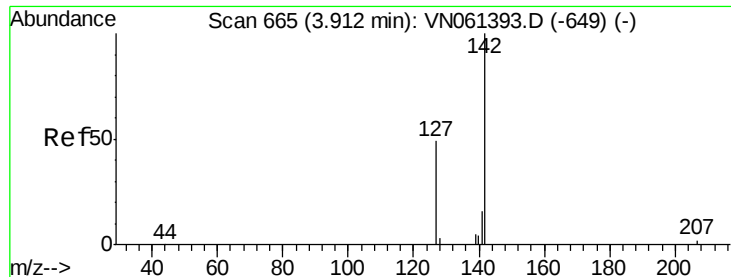
Delta R.T. -0.00 min

Lab File: VN061402.D

Acq: 14 May 2020 19:16

Tgt Ion:	96	Resp:	5356
Ion Ratio	Lower	Upper	
96	100		
61	178.9	148.5	222.7
98	53.0	51.0	76.6





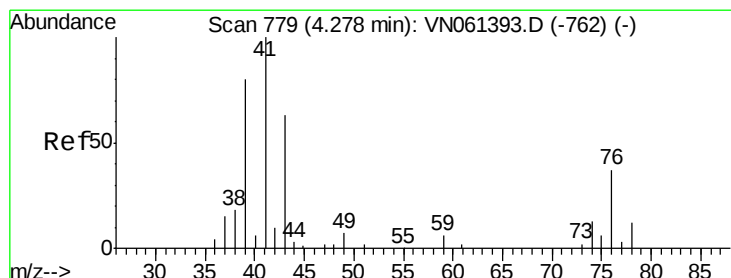
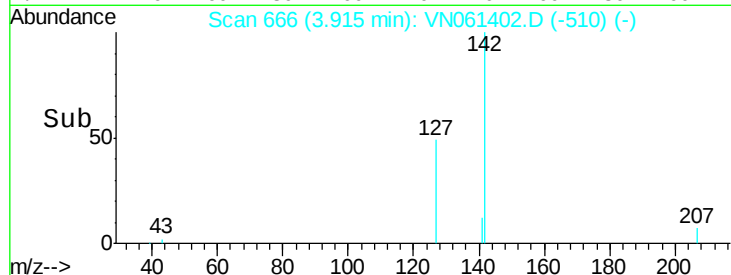
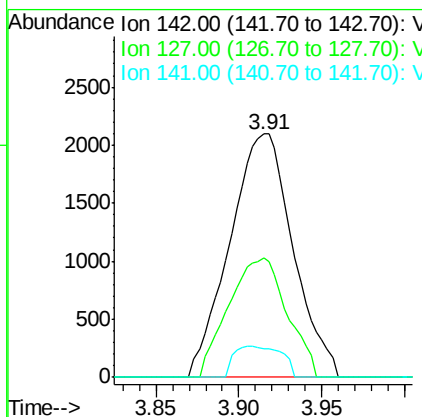
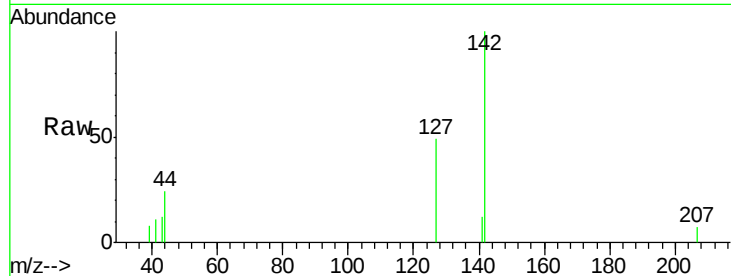
#11
Methvl Iodide
Concen: 5.489 ug/l
RT: 3.91 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

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

Tot Ion	Ratio	Lower	Upper
142	100		
127	49.0	23.5	70.6
141	12.0	7.4	22.2

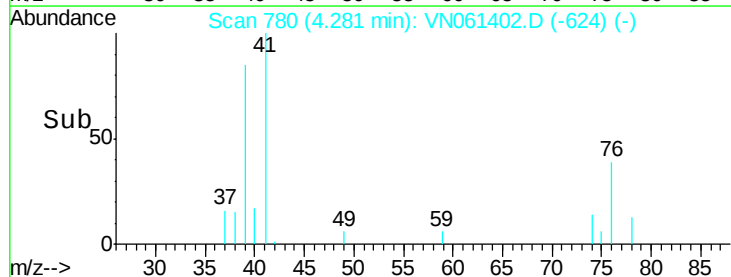
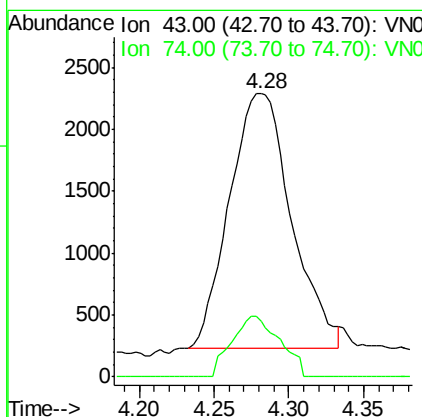
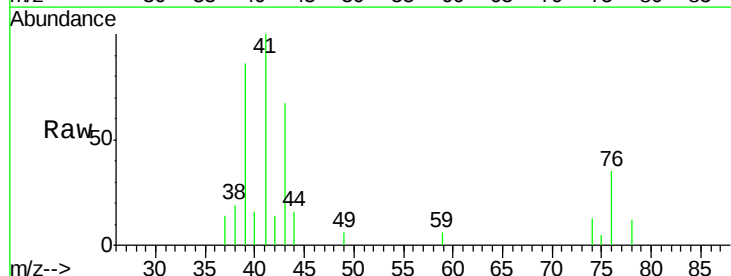
Manual Integrations
APPROVED

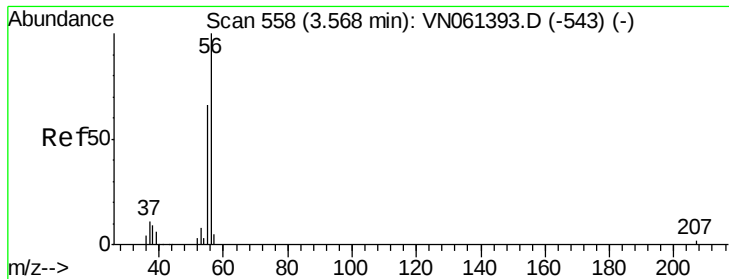
MMDadoda
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#12
Methyl Acetate
Concen: 5.223 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	18.1	27.1





#13

Acrolein

Concen: 29.909 ug/l

RT: 3.57 min Scan# 558

Delta R.T. -0.00 min

Lab File: VN061402.D

Acq: 14 May 2020 19:16

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 56 Resp: 5729

Ion Ratio Lower Upper

56 100

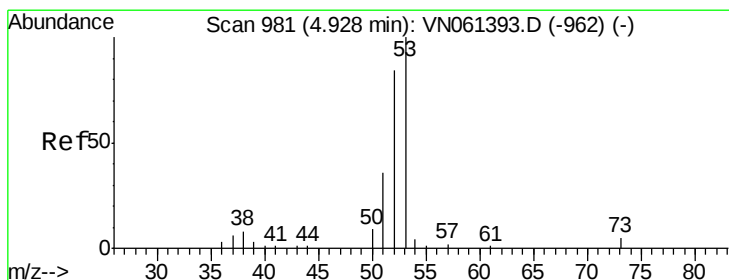
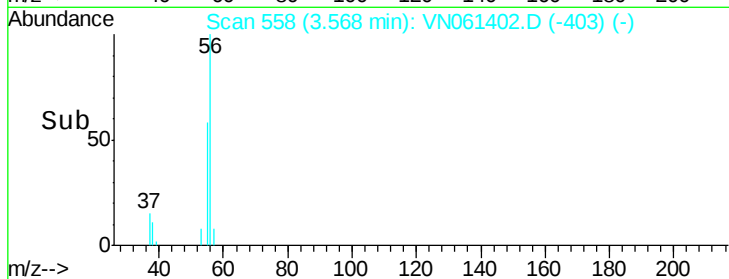
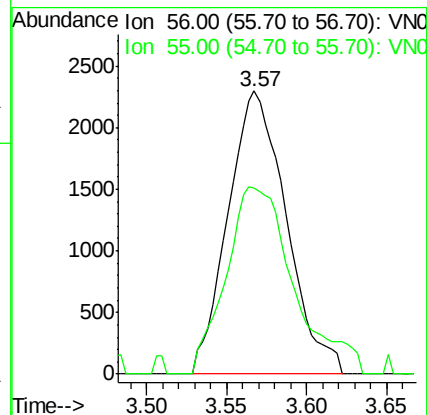
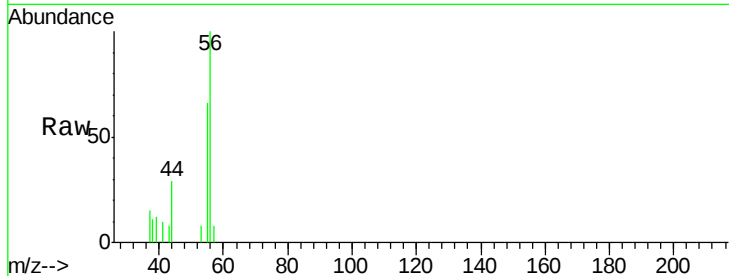
55 73.4 55.9 83.9

Manual Integrations

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MMDadoda

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#14

Acrylonitrile

Concen: 26.749 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061402.D

Acq: 14 May 2020 19:16

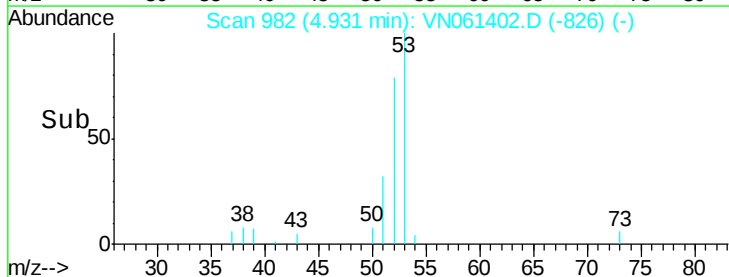
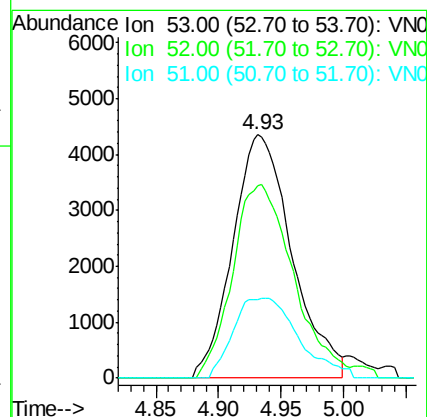
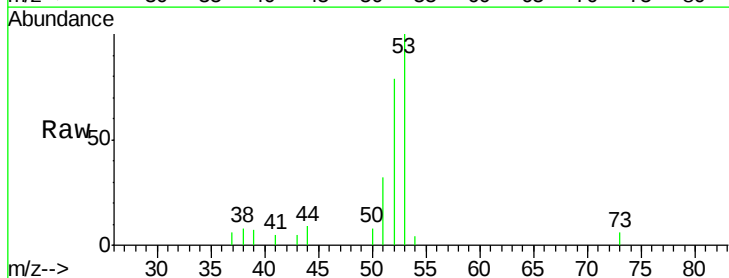
Tgt Ion: 53 Resp: 14284

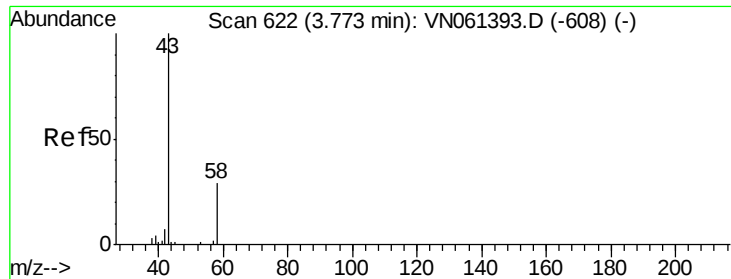
Ion Ratio Lower Upper

53 100

52 81.8 42.2 126.6

51 14.3 18.8 56.4#





#15

Acetone

Concen: 27.637 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN061402.D

Acq: 14 May 2020 19:16

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 58 Resp: 3544

Ion Ratio Lower Upper

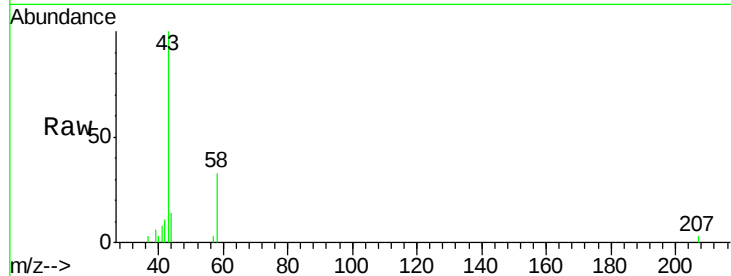
58 100

43 265.0 281.7 422.5#

Manual Integrations
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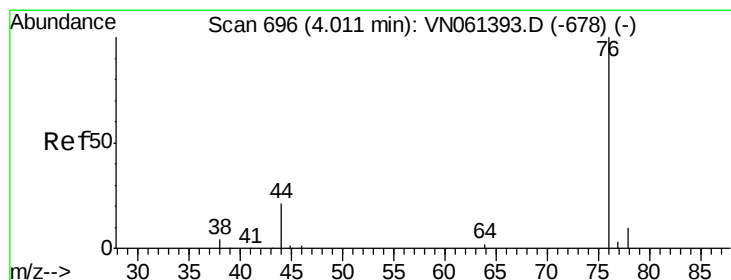
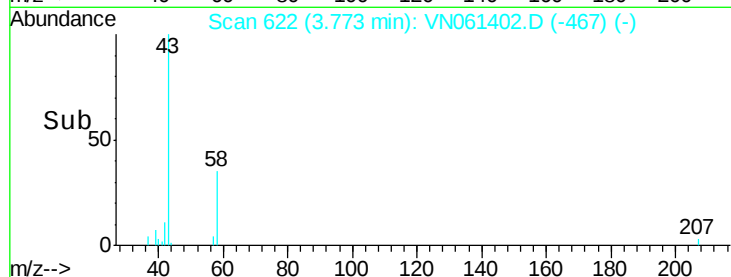
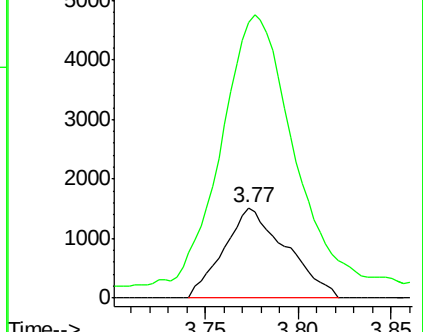
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Abundance Ion 58.00 (57.70 to 58.70): VN061393.D (-608) (-)

Ion 43.00 (42.70 to 43.70): VN061393.D (-608) (-)



#16

Carbon Disulfide

Concen: 6.063 ug/l

RT: 4.01 min Scan# 696

Delta R.T. -0.00 min

Lab File: VN061402.D

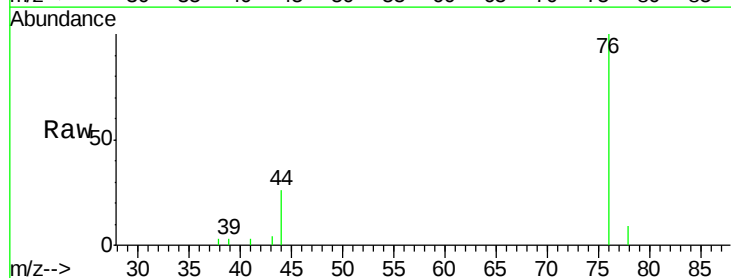
Acq: 14 May 2020 19:16

Tgt Ion: 76 Resp: 15965

Ion Ratio Lower Upper

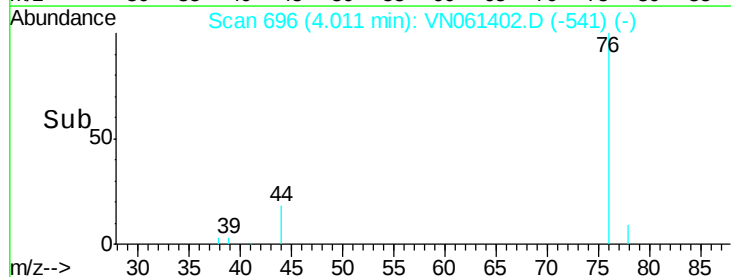
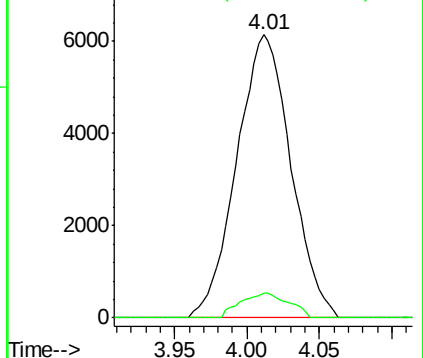
76 100

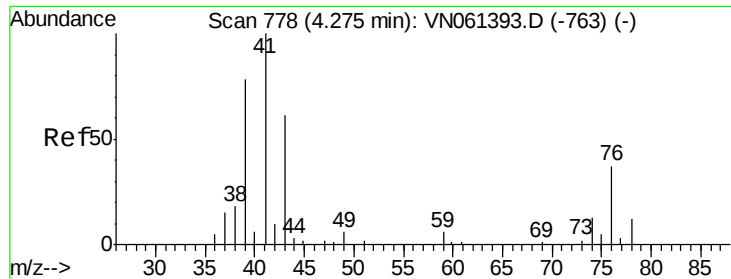
78 8.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN061393.D (-678) (-)

Ion 78.00 (77.70 to 78.70): VN061393.D (-678) (-)





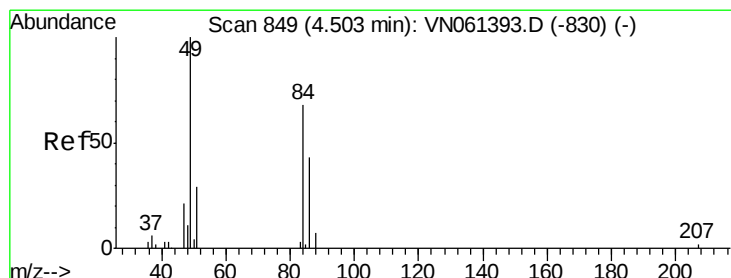
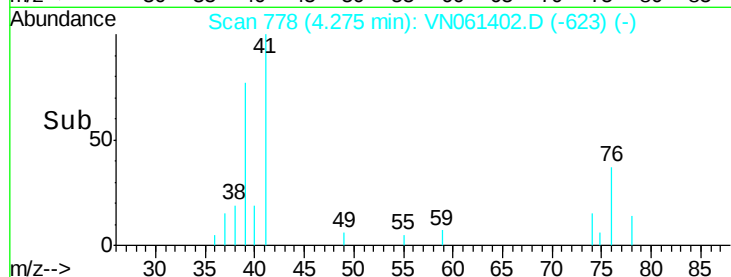
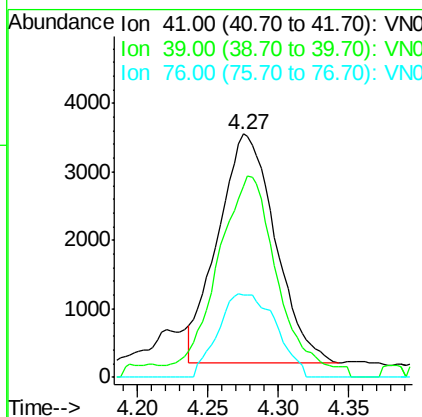
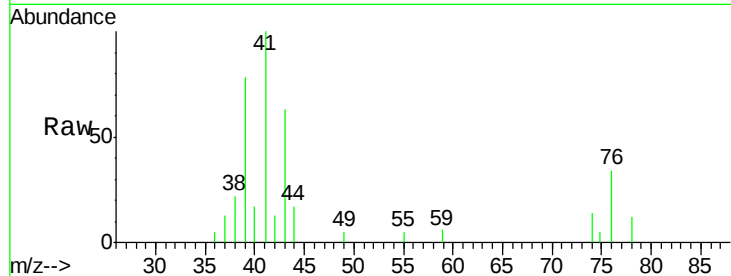
#17
Allvl chloride
Concen: 5.057 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	78.7	39.6	118.8
76	35.9	17.6	52.9

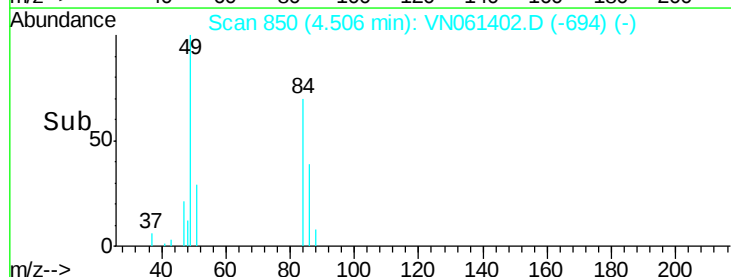
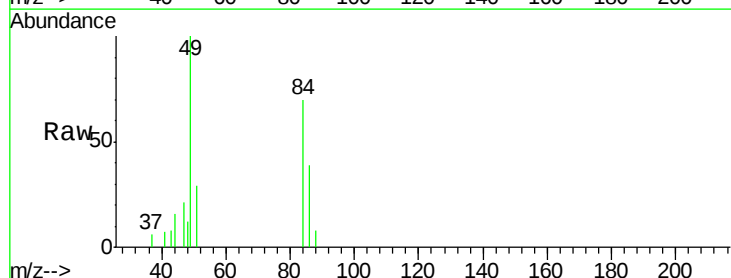
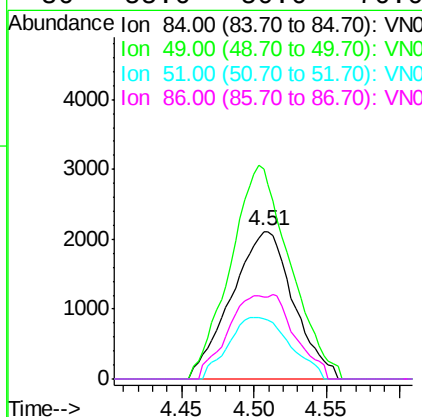
Manual Integrations
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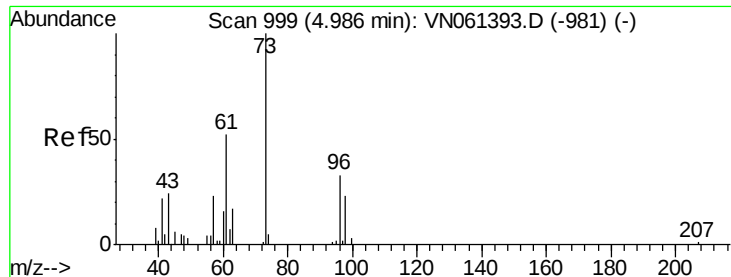
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#18
Methylene Chloride
Concen: 5.554 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.7	106.6	160.0
51	41.0	32.4	48.6
86	55.6	50.6	76.0





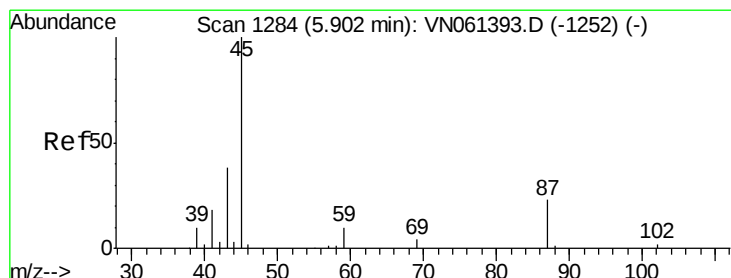
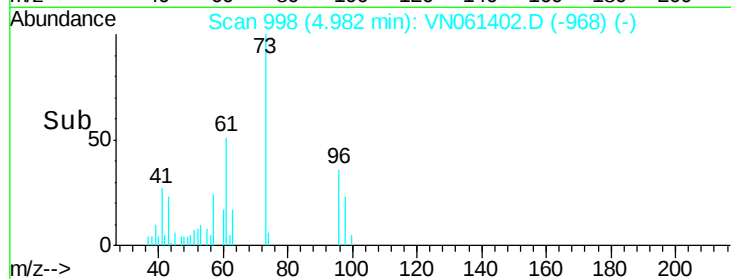
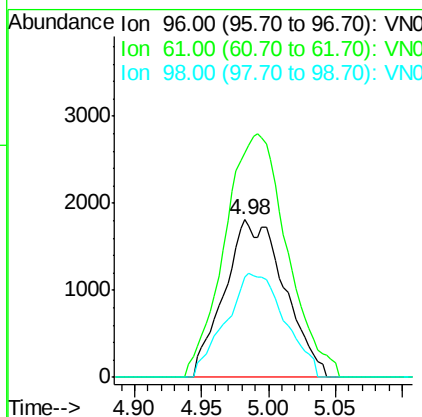
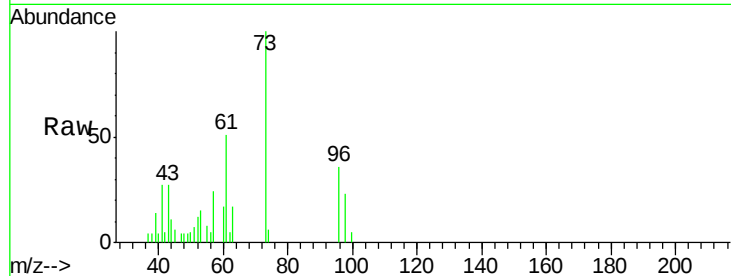
#19
trans-1,2-Dichloroethene
Concen: 5.070 ug/l m
RT: 4.98 min Scan# 998
Delta R.T. -0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.2	131.8	197.6
98	64.0	52.6	79.0

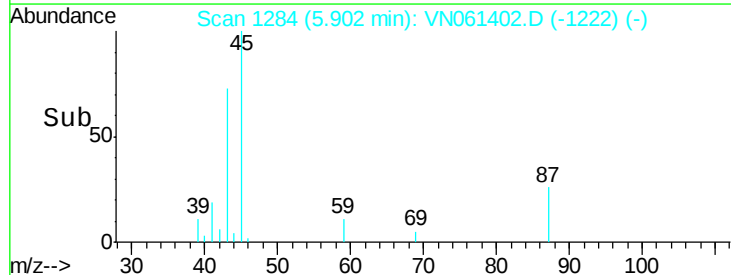
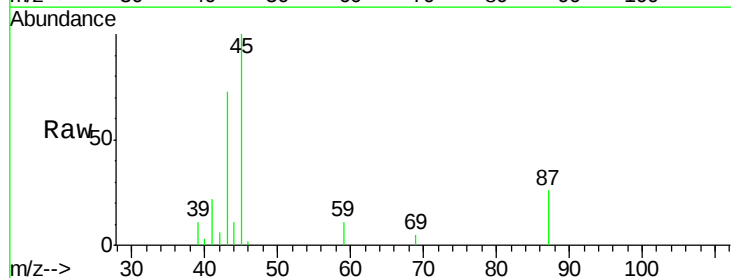
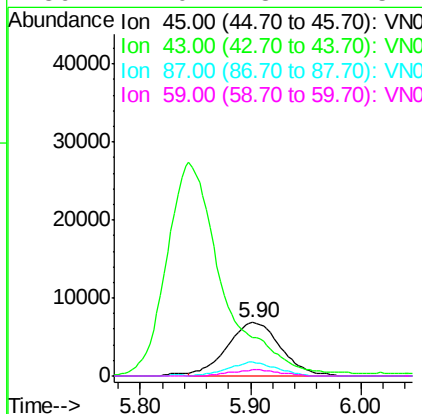
Manual Integrations
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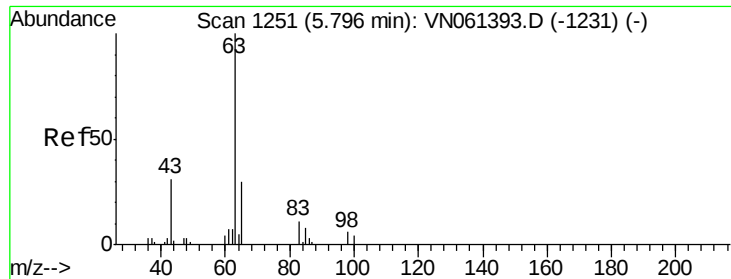
MMDadoda
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#20
Diisopropyl ether
Concen: 5.259 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.2	54.7	82.1
87	25.8	21.5	32.3
59	11.0	8.7	13.1





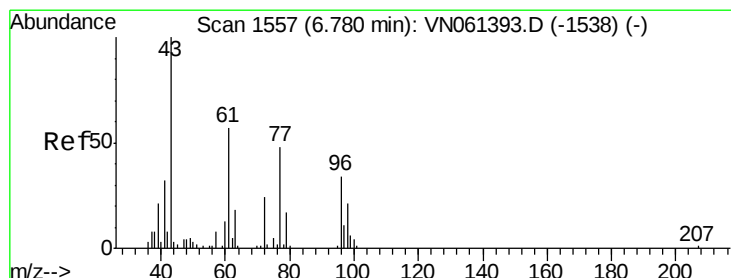
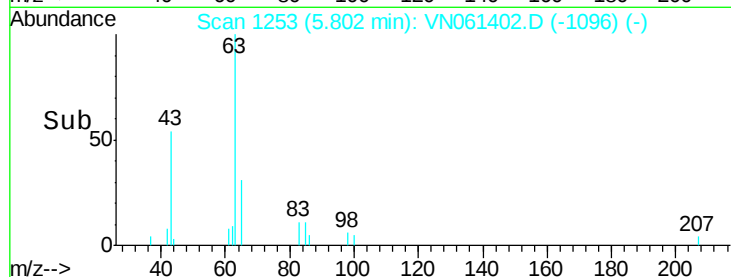
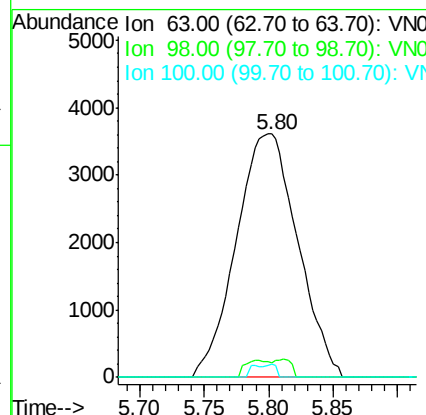
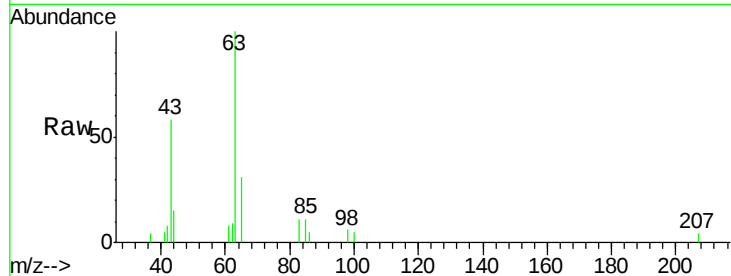
#21
 1,1-Dichloroethane
 Concen: 5.217 ug/l
 RT: 5.80 min Scan# 1253
 Delta R.T. 0.01 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
63	100				
98	6.2		2.9	8.6	
100	5.2		1.8	5.5	

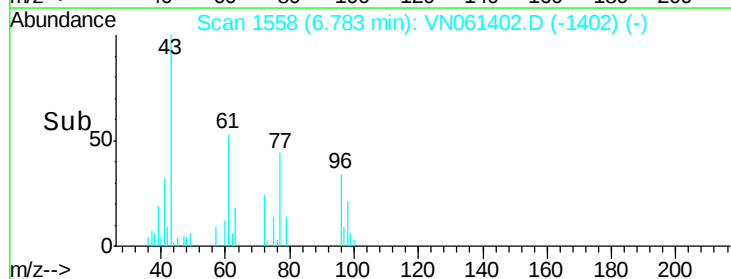
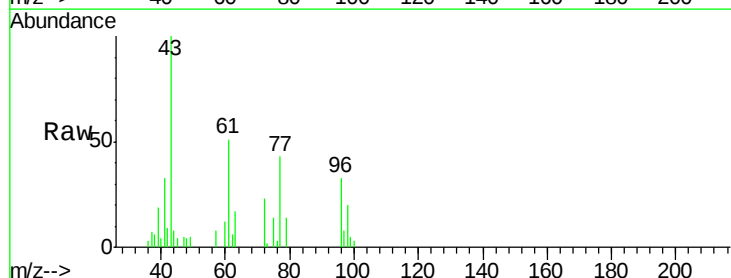
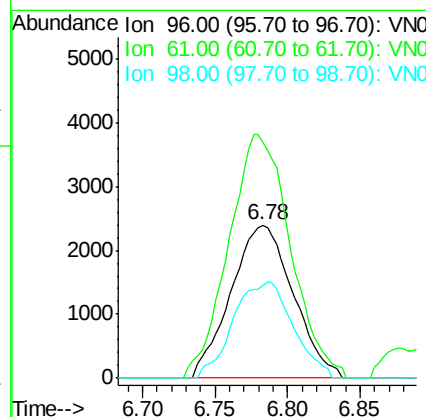
Manual Integrations
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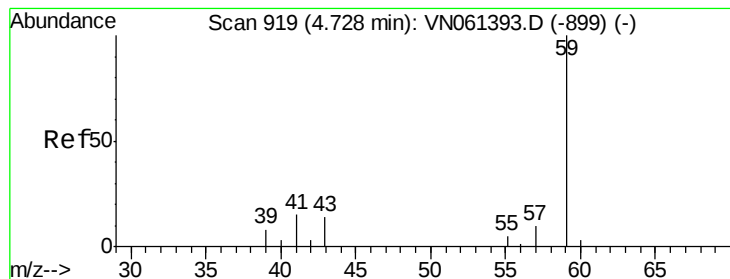
MMDadoda
 5/15/2020 2:11:06 PM



#22
 cis-1,2-Dichloroethene
 Concen: 5.468 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	157.6		127.2	190.8	
98	60.4		50.5	75.7	





#23

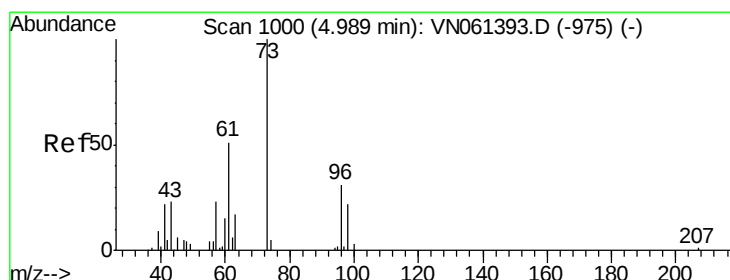
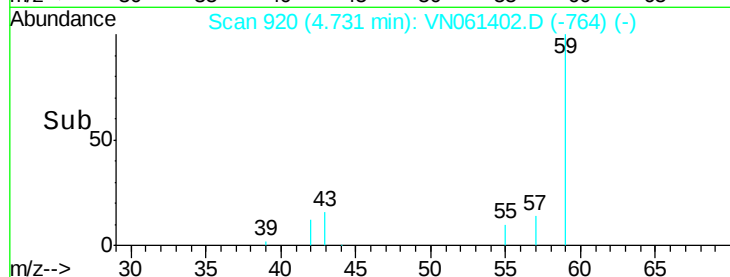
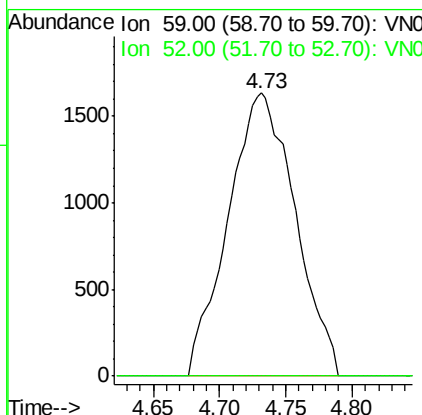
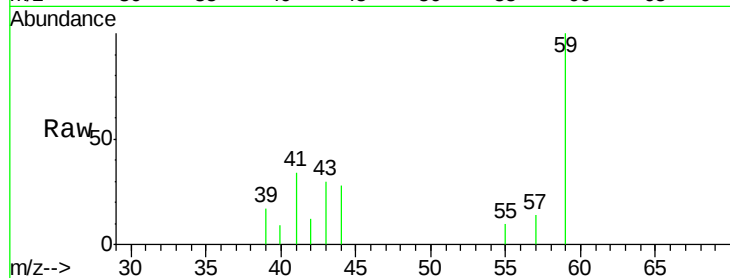
tert-Butyl Alcohol
 Concen: 33.604 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

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

Tot Ion	Ratio	Lower	Upper
59	100		
52	203.0	0.0	0.0#

Manual Integrations
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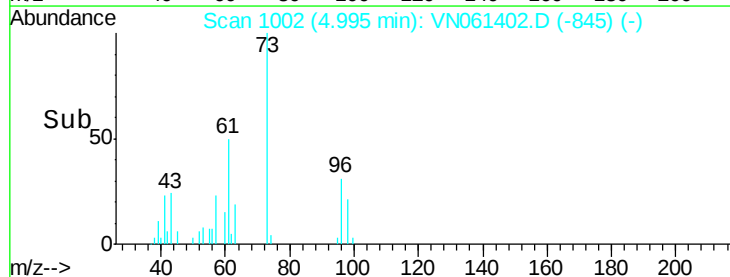
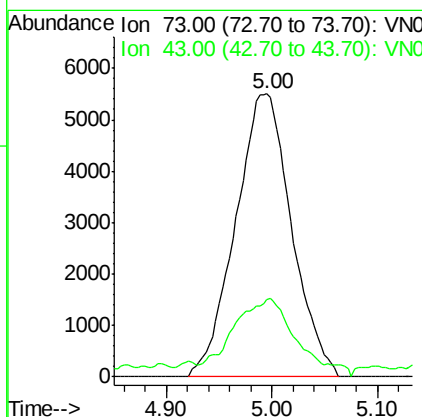
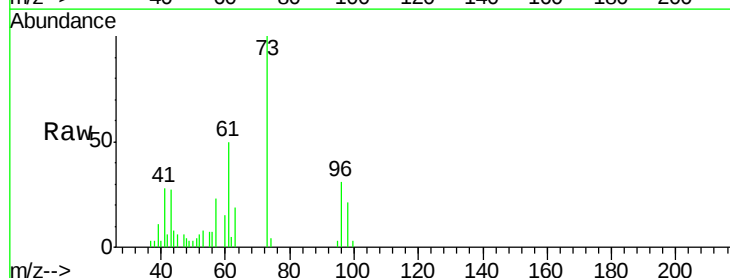
MMDadoda
 5/15/2020 2:11:06 PM

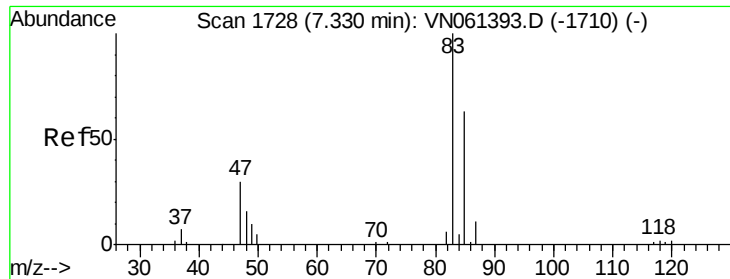


#24

Methyl tert-Butyl Ether
 Concen: 5.343 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.8	17.9	26.9





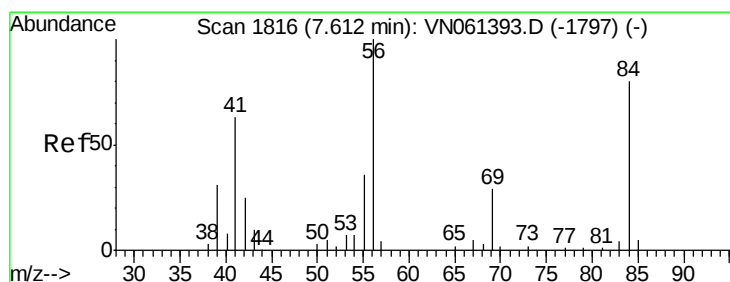
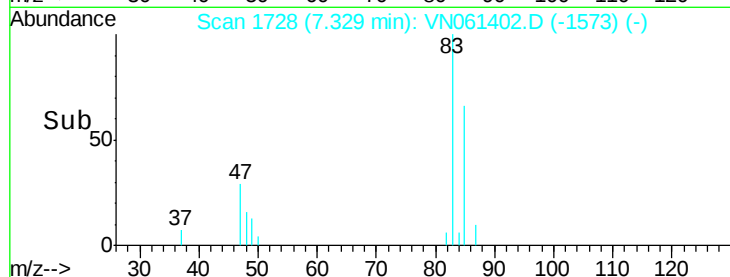
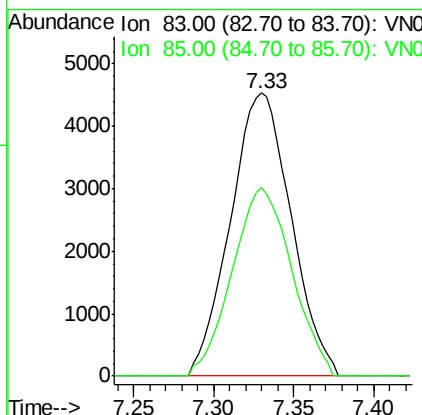
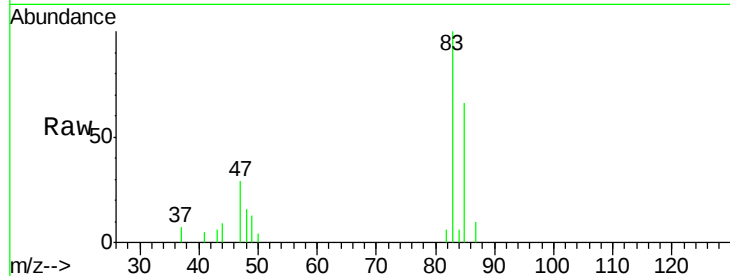
#25
Chloroform
Concen: 5.307 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

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

Tot Ion	83	Resp	11791
Ion Ratio	100	Lower	Upper
83	100		
85	66.5	53.8	80.8

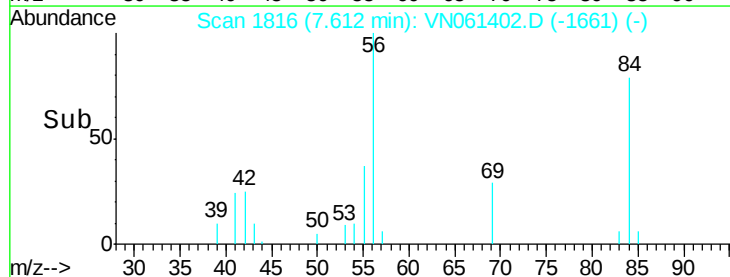
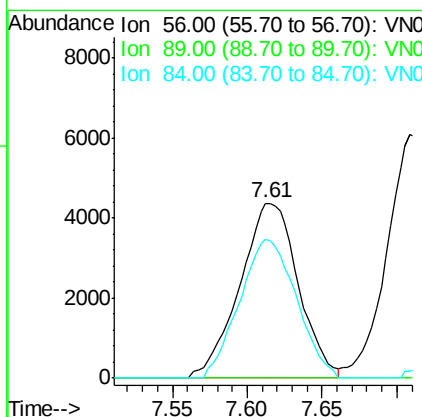
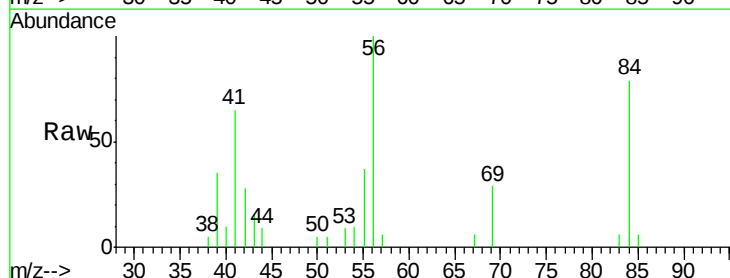
Manual Integrations
APPROVED

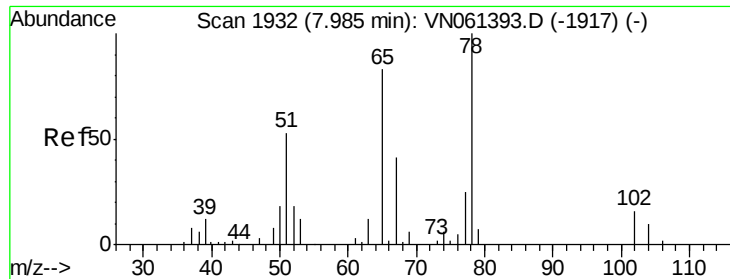
MMDadoda
5/15/2020 2:11:06 PM



#26
Cyclohexane
Concen: 5.413 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

Tgt Ion	56	Resp	11847
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	6.2	9.2#
84	77.2	65.6	98.4





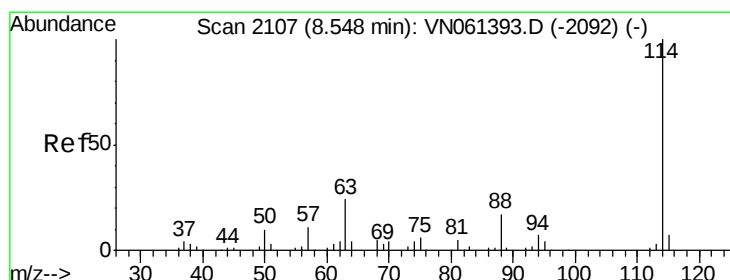
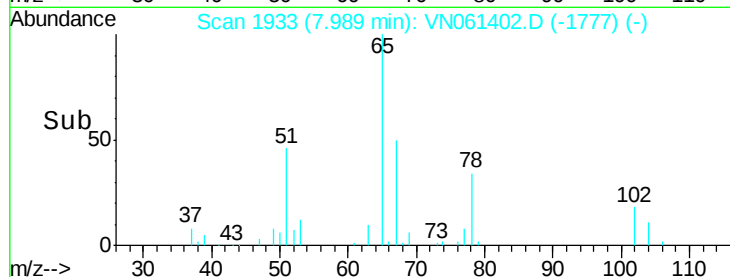
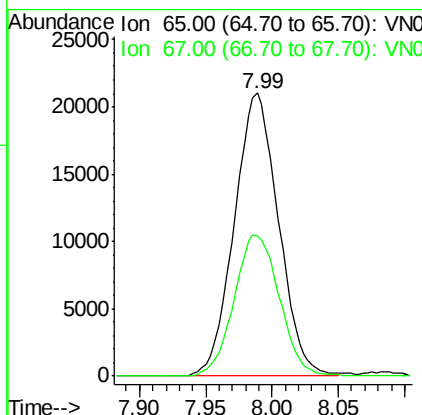
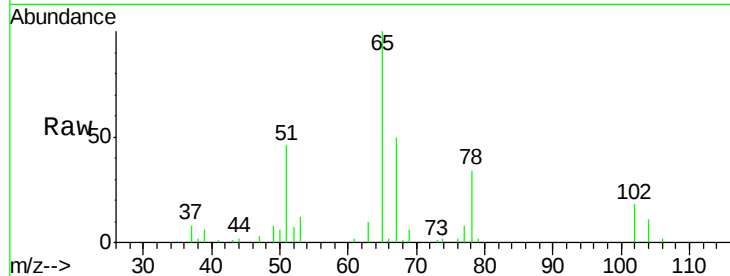
#27
 1,2-Dichloroethane-d4
 Concen: 31.183 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

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

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.9	41.5	62.3

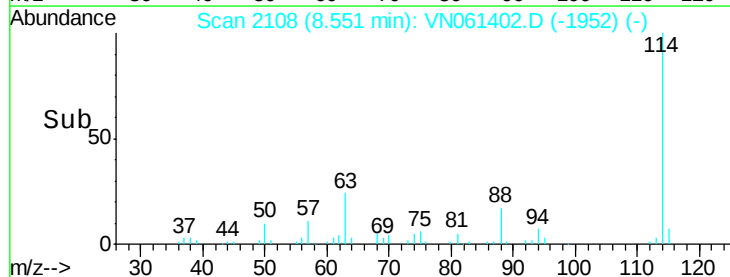
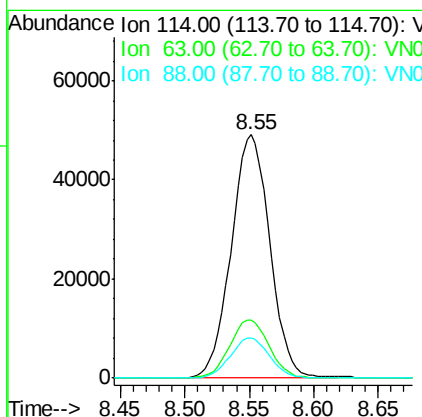
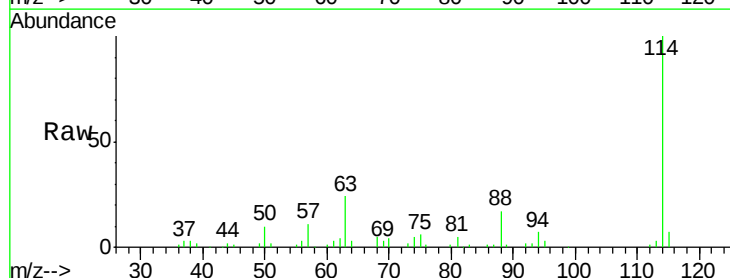
Manual Integrations
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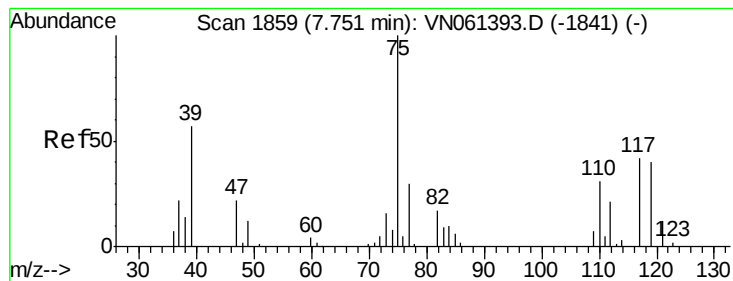
MMDadoda
 5/15/2020 2:11:06 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.3	18.1	27.1
88	16.6	13.0	19.4





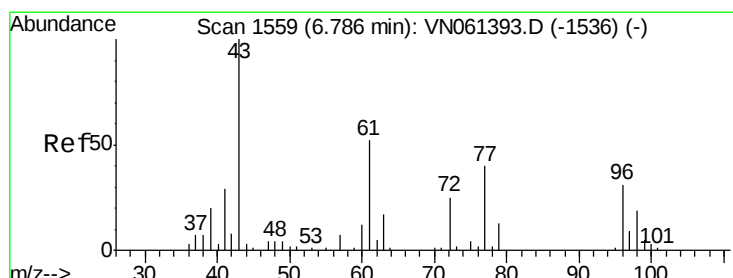
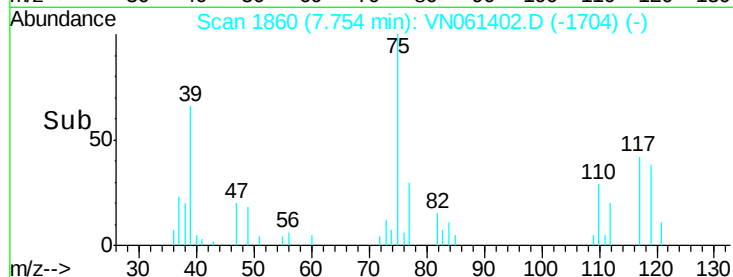
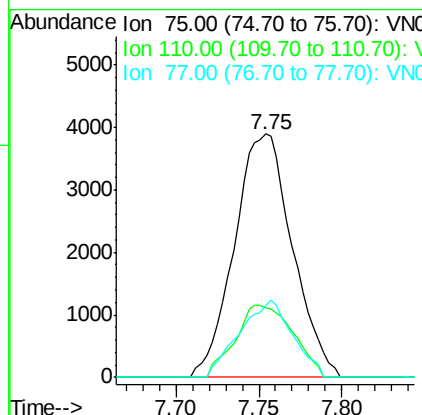
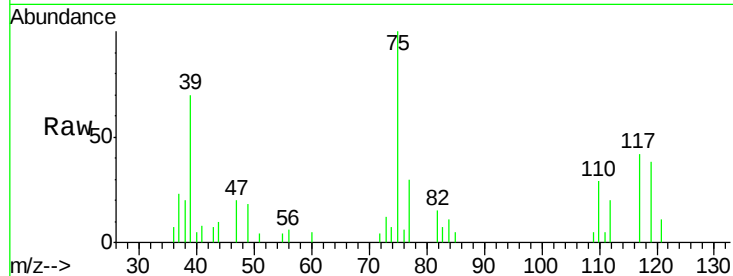
#29
 1,1-Dichloropropene
 Concen: 5.274 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

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

Tot Ion	Ratio	Lower	Upper
75	100		
110	29.5	0.0	64.6
77	29.0	0.0	60.8

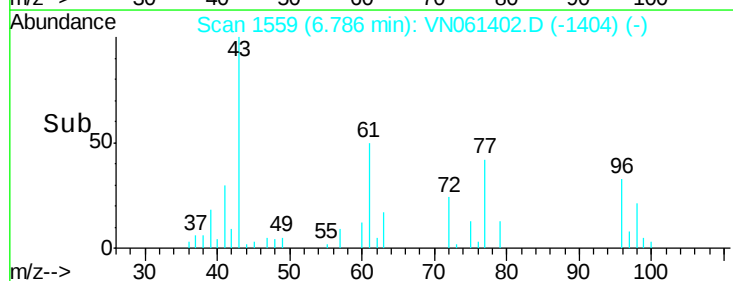
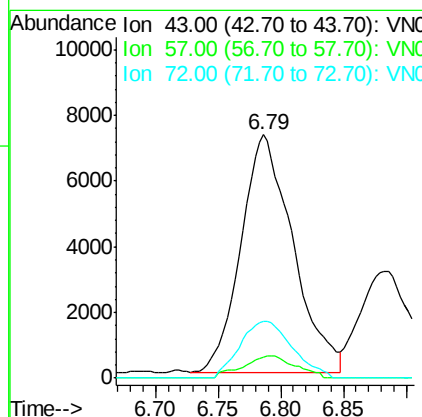
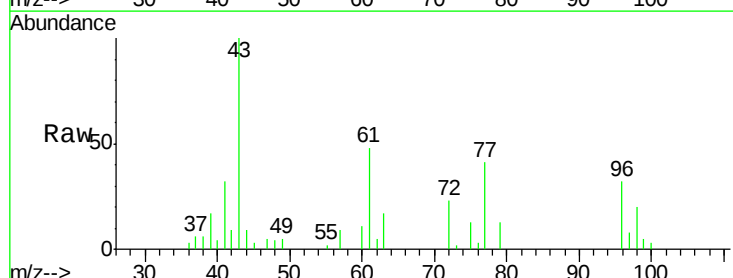
Manual Integrations
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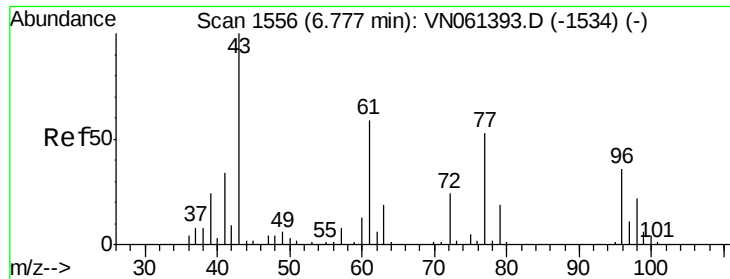
MMDadoda
 5/15/2020 2:11:06 PM



#30
 2-Butanone
 Concen: 27.401 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.4	6.5	9.7
72	23.9	20.1	30.1





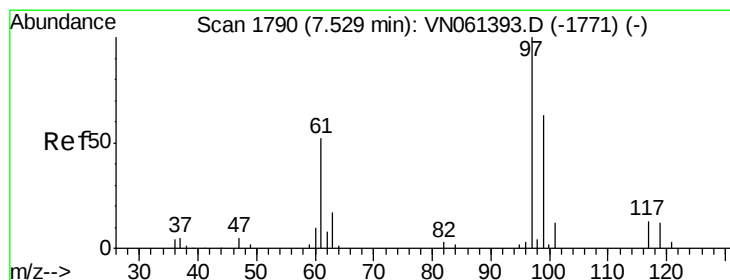
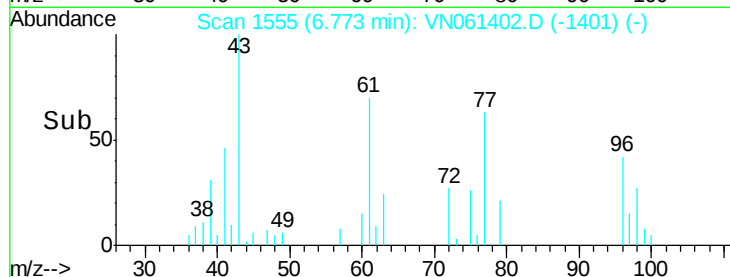
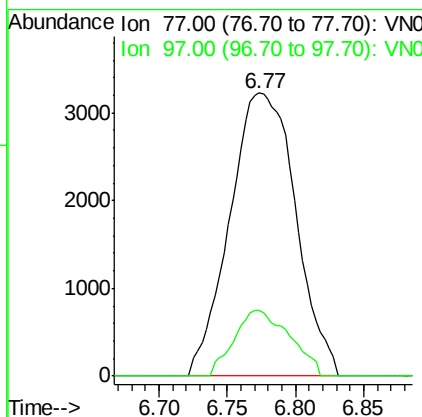
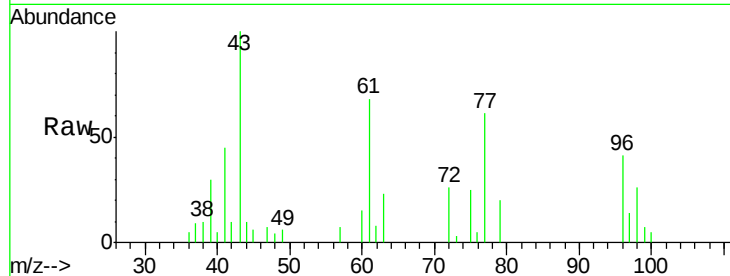
#31
 2,2-Dichloropropane
 Concen: 5.156 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

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

Tot Ion: 77 Resp: 10820
 Ion Ratio Lower Upper
 77 100
 97 19.6 17.9 26.9

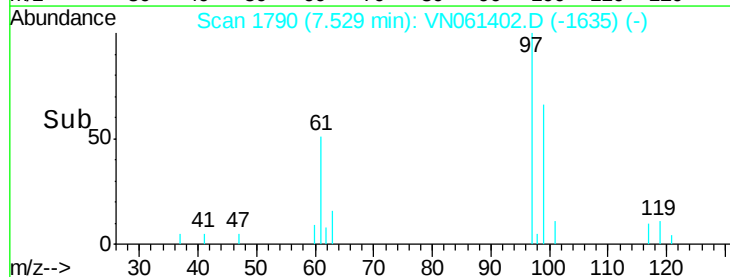
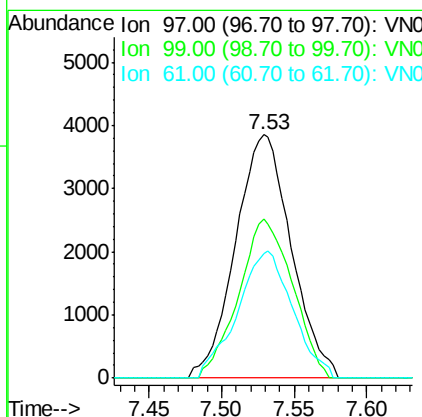
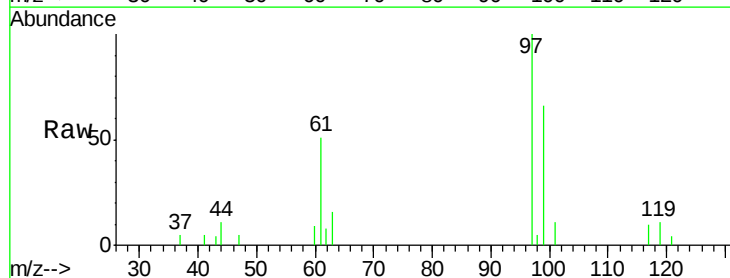
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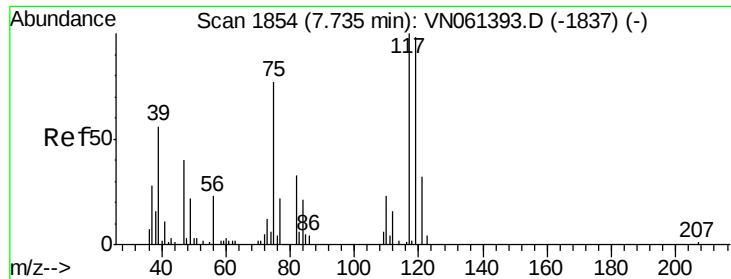
MMDadoda
 5/15/2020 2:11:06 PM



#32
 1,1,1-Trichloroethane
 Concen: 5.125 ug/l
 RT: 7.53 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

Tgt Ion: 97 Resp: 10301
 Ion Ratio Lower Upper
 97 100
 99 63.0 51.3 76.9
 61 51.6 38.4 57.6





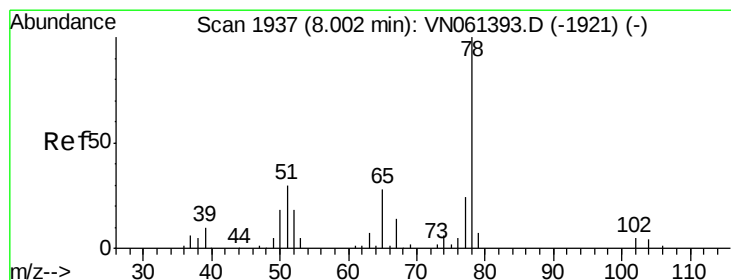
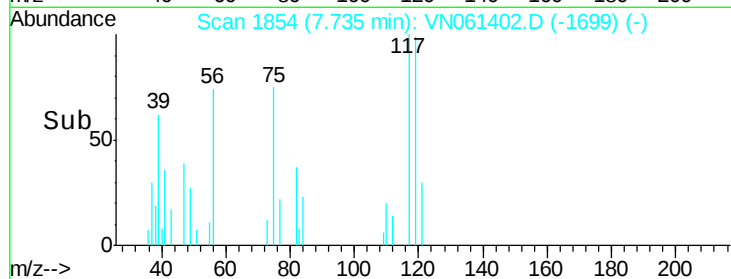
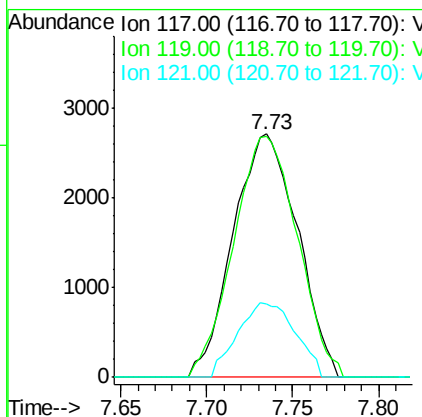
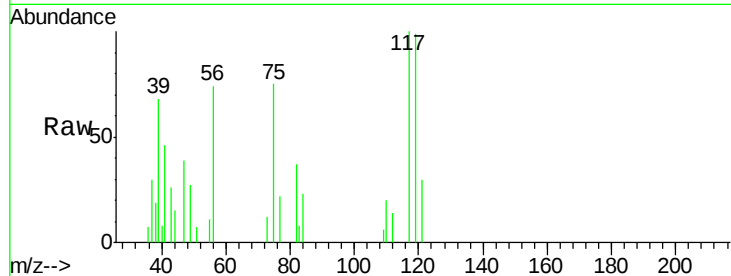
#33
Carbon Tetrachloride
Concen: 4.574 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

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

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.2	76.9	115.3
121	30.3	23.8	35.8

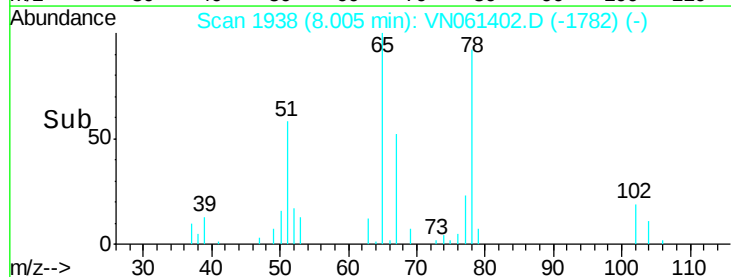
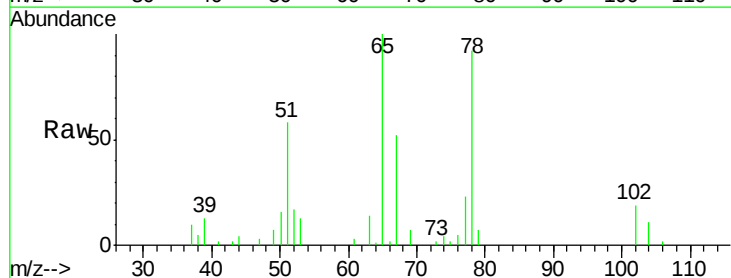
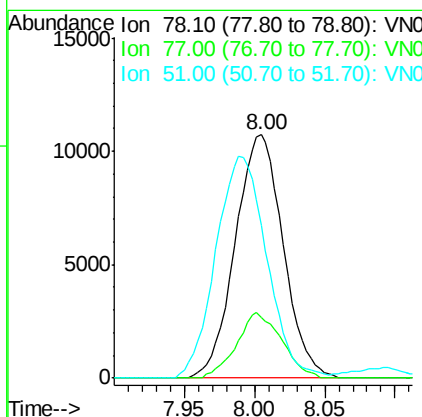
Manual Integrations
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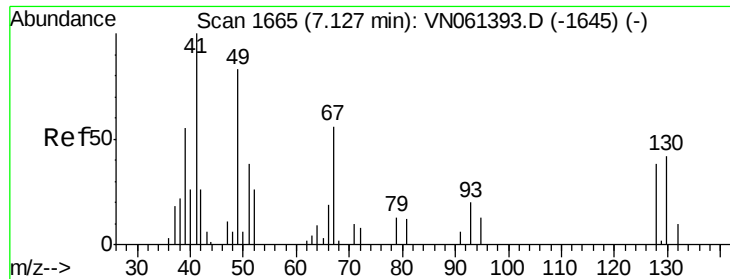
MMDadoda
5/15/2020 2:11:06 PM



#34
Benzene
Concen: 5.021 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.2	28.8
51	60.7	22.1	33.1#





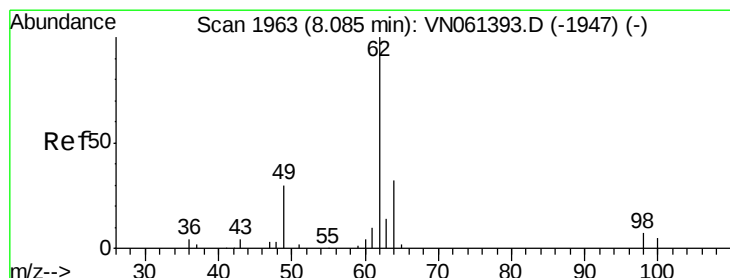
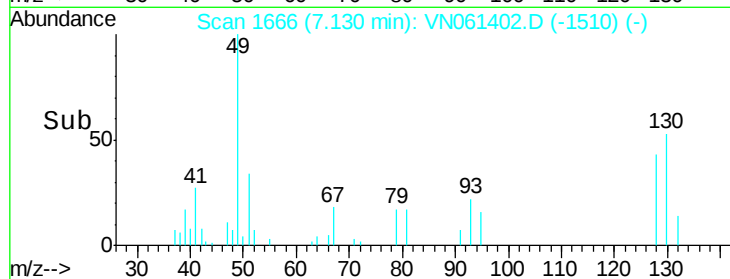
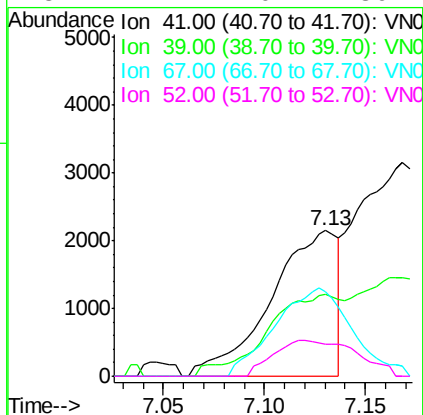
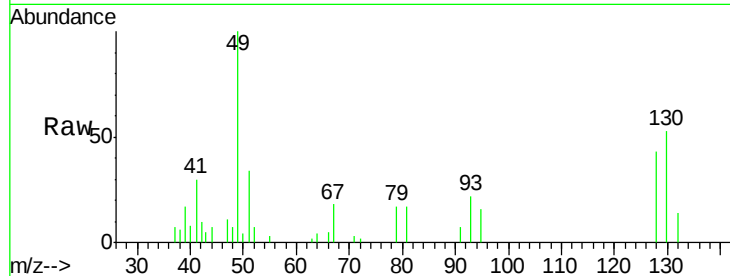
#35
Methacrylonitrile
Concen: 6.469 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

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

Tot Ion:	41	Resp:	4930
Ion	Ratio	Lower	Upper
41	100		
39	56.3	25.8	77.4
67	58.3	23.0	69.0
52	22.2	10.1	30.1

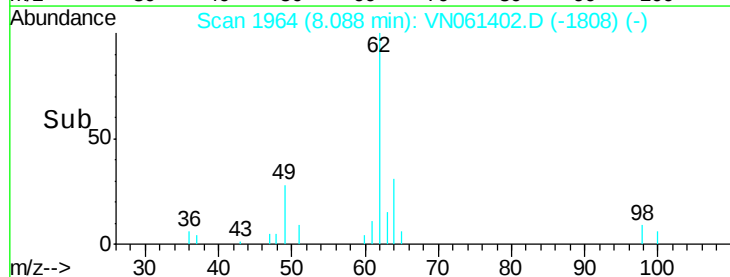
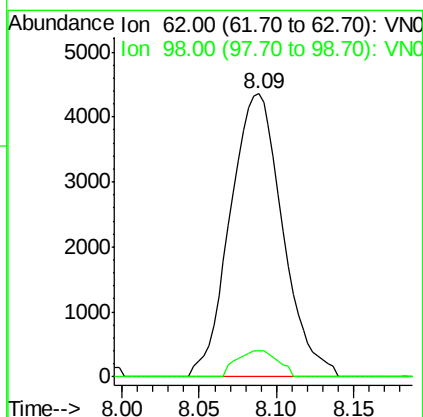
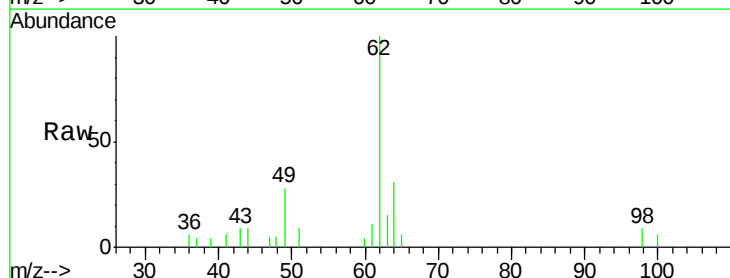
Manual Integrations
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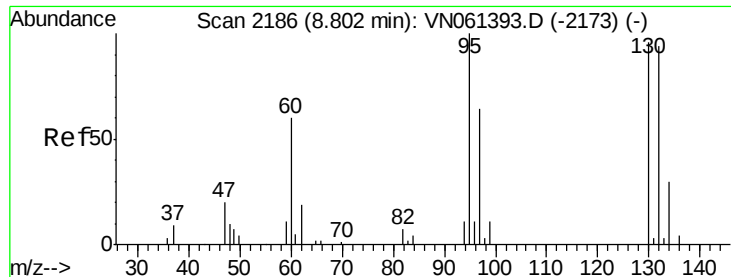
MMDadoda
5/15/2020 2:11:06 PM



#36
1,2-Dichloroethane
Concen: 5.259 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

Tgt Ion:	62	Resp:	10260
Ion	Ratio	Lower	Upper
62	100		
98	7.3	6.4	9.6





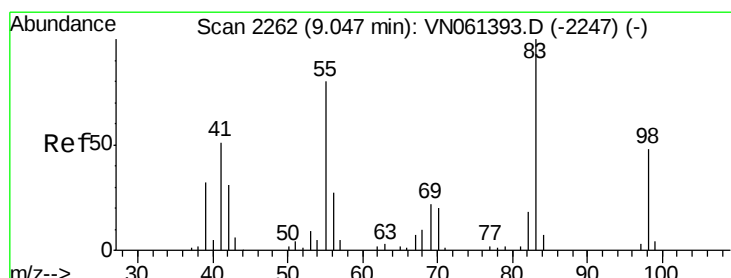
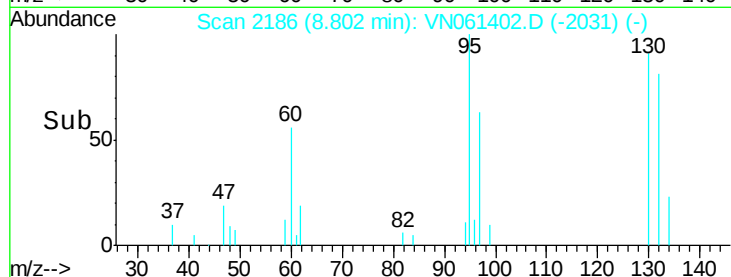
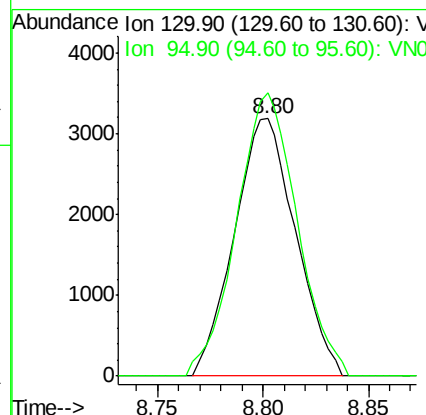
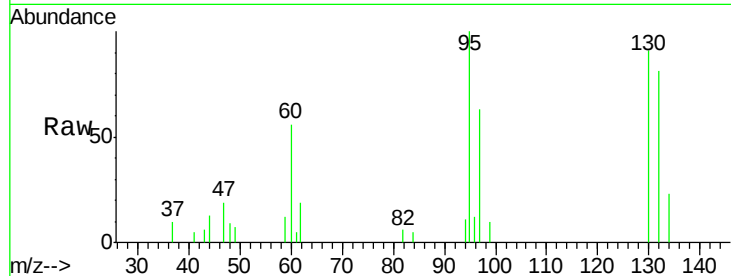
#37
 Trichloroethene
 Concen: 5.146 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

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

Tot Ion:130 Resp: 6439
 Ion Ratio Lower Upper
 130 100
 95 104.2 83.2 124.8

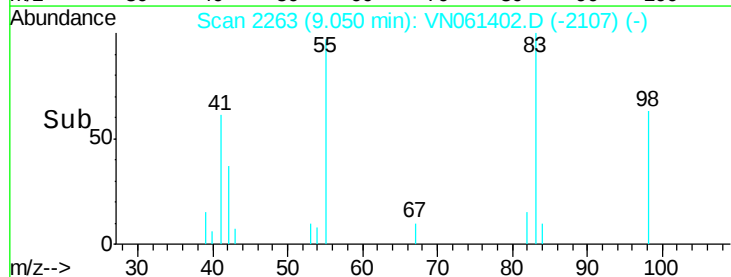
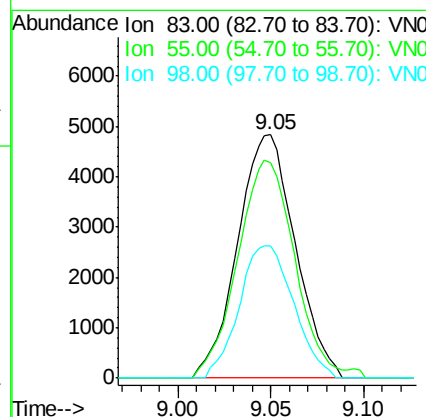
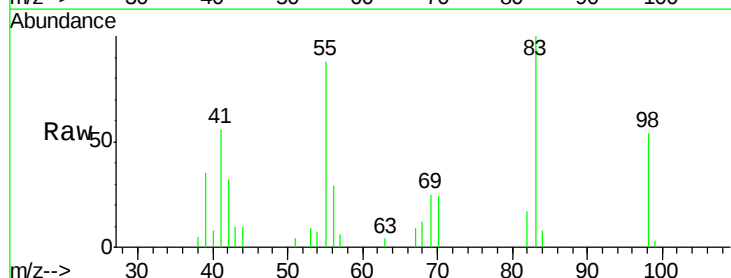
Manual Integrations
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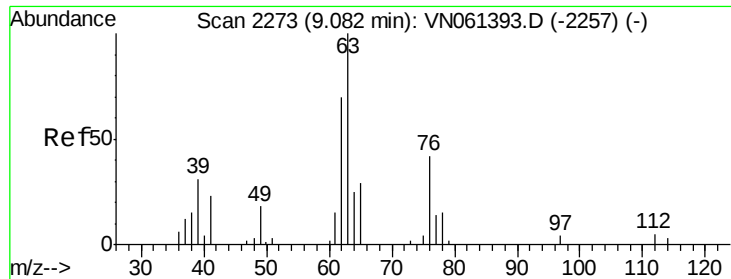
MMDadoda
 5/15/2020 2:11:06 PM



#38
 Methylcyclohexane
 Concen: 4.829 ug/l
 RT: 9.05 min Scan# 2263
 Delta R.T. 0.00 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

Tgt Ion: 83 Resp: 10412
 Ion Ratio Lower Upper
 83 100
 55 88.4 40.4 121.1
 98 51.4 21.6 65.0





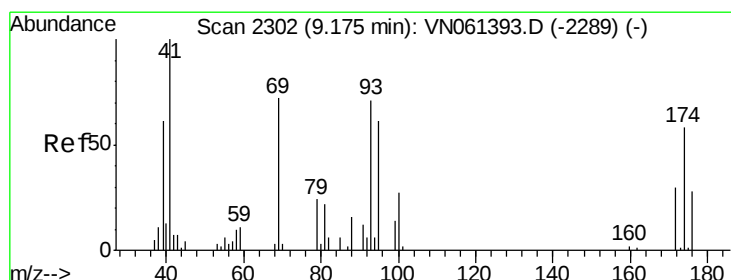
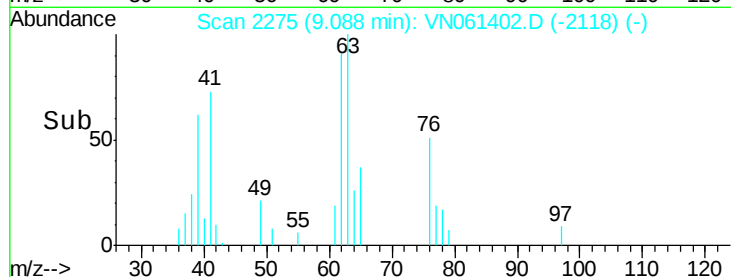
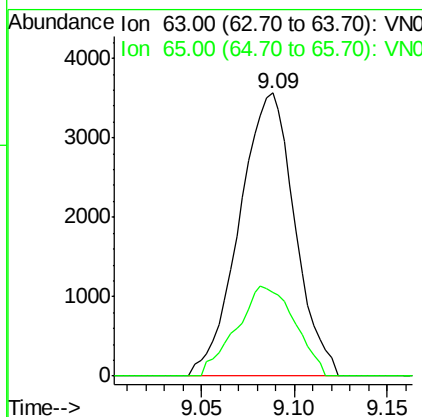
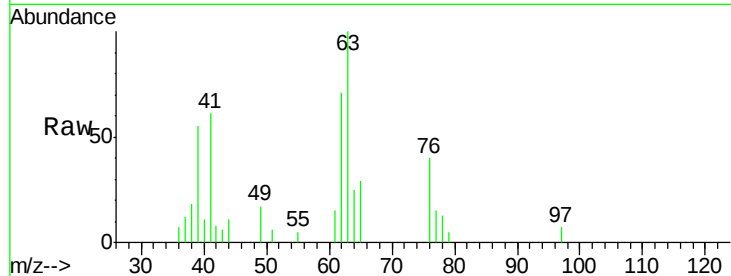
#39
 1,2-Dichloropropane
 Concen: 5.321 ug/l
 RT: 9.09 min Scan# 2275
 Delta R.T. 0.01 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

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

Tot Ion: 63 Resp: 7434
 Ion Ratio Lower Upper
 63 100
 65 29.3 23.8 35.6

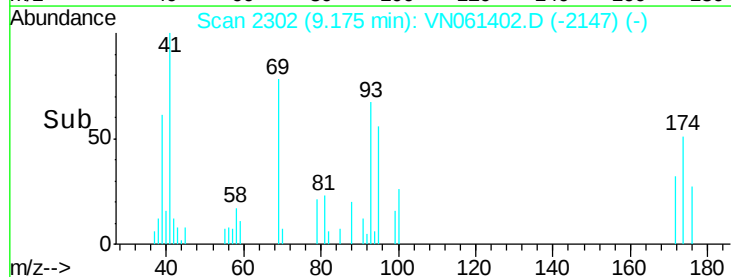
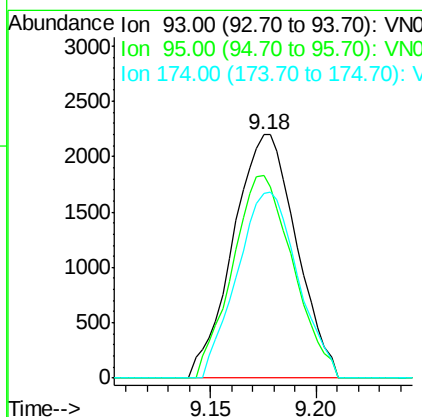
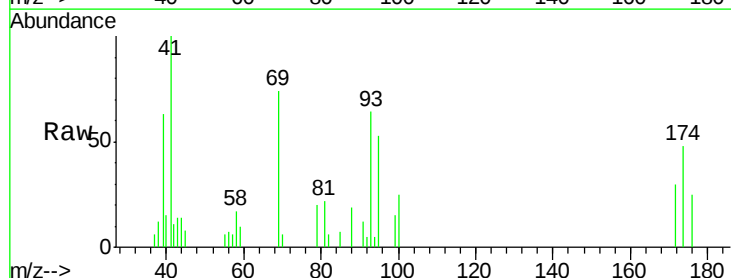
Manual Integrations
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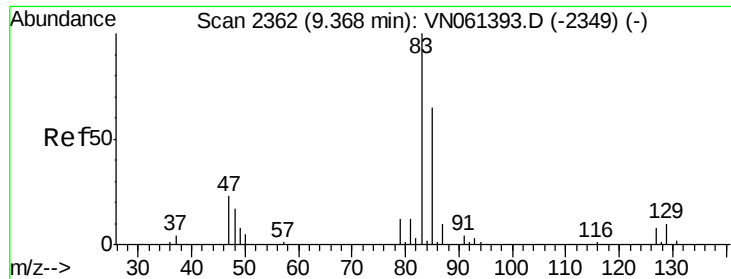
MMDadoda
 5/15/2020 2:11:06 PM



#40
 Dibromomethane
 Concen: 5.301 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

Tgt Ion: 93 Resp: 4574
 Ion Ratio Lower Upper
 93 100
 95 79.6 0.0 167.6
 174 73.3 0.0 187.2





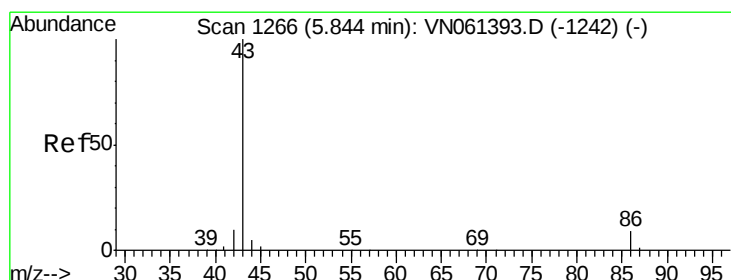
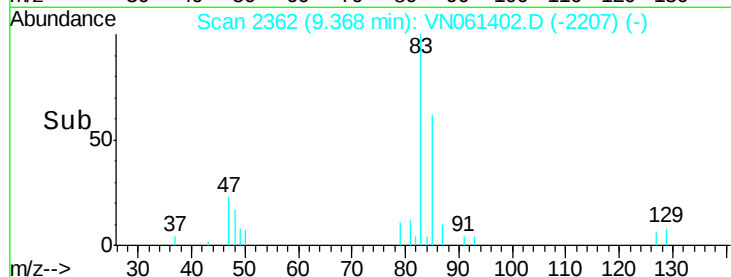
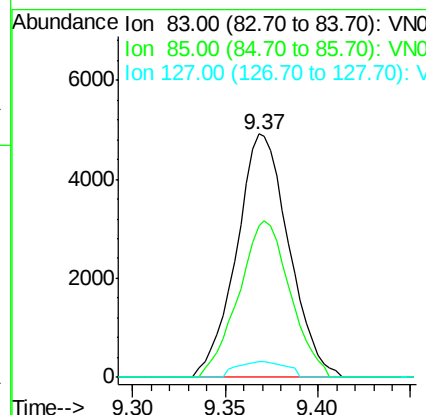
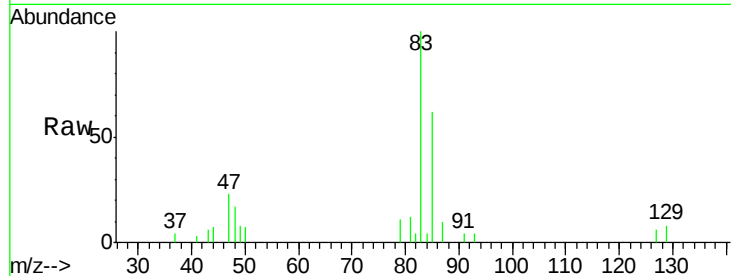
#41
Bromodichloromethane
Concen: 5.143 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

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

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.0	76.4
127	6.3	6.6	9.8#

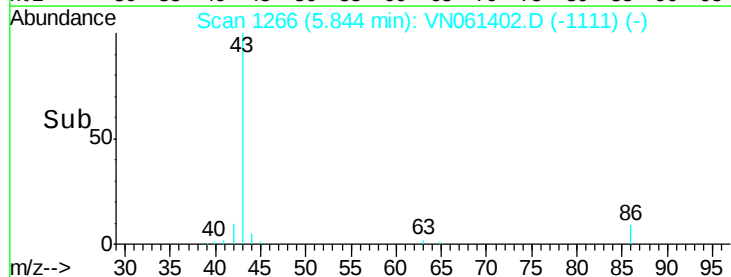
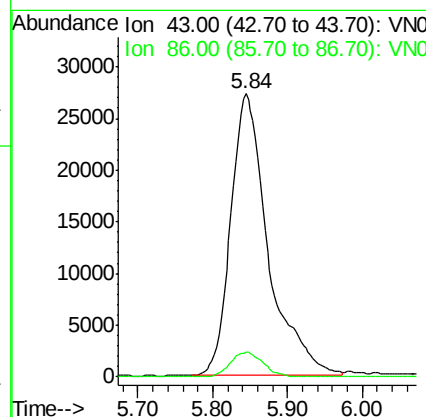
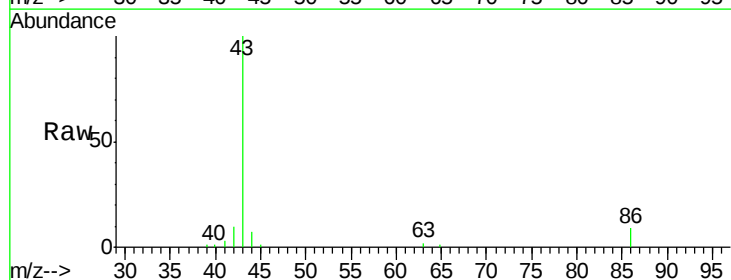
Manual Integrations
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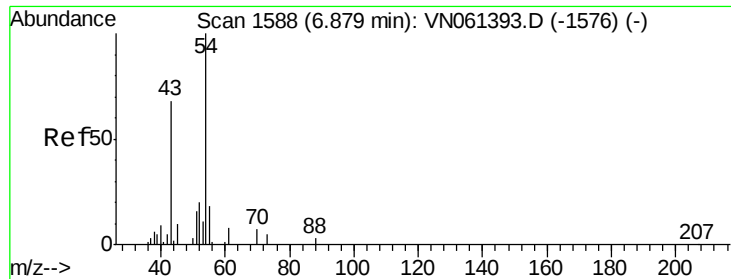
MMDadoda
5/15/2020 2:11:06 PM



#42
Vinyl Acetate
Concen: 26.132 ug/l
RT: 5.84 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.5	9.7





#43

Ethyl Acetate

Concen: 4.620 ug/l

RT: 6.88 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VN061402.D

Acq: 14 May 2020 19:16

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 43 Resp: 7499

Ion Ratio Lower Upper

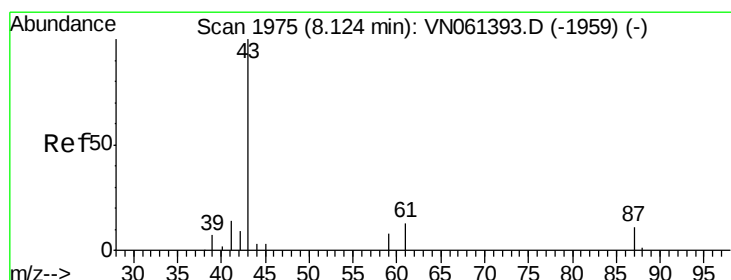
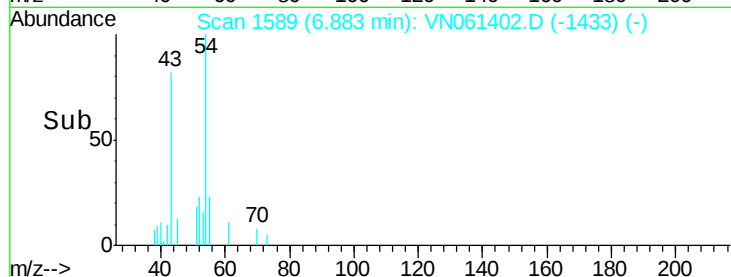
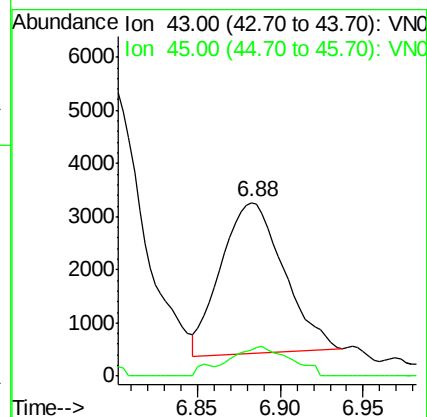
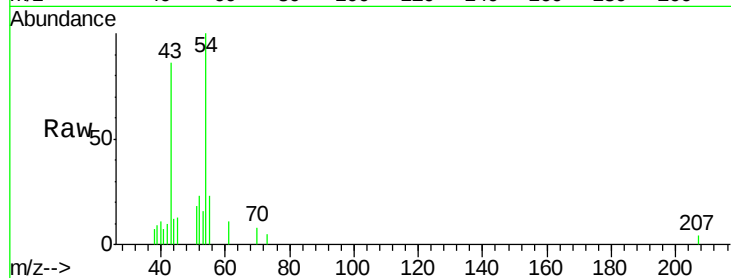
43 100

45 11.7 9.7 14.5

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#44

Isopropyl Acetate

Concen: 5.623 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061402.D

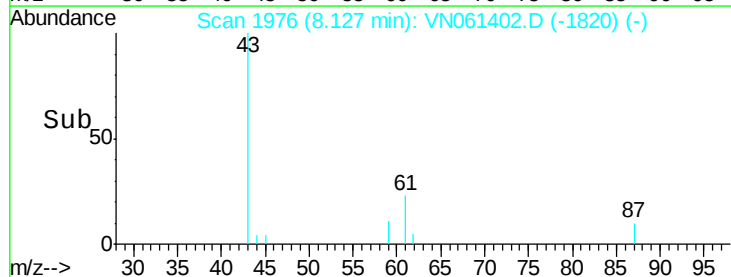
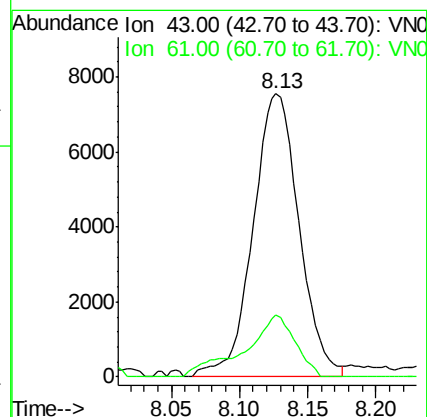
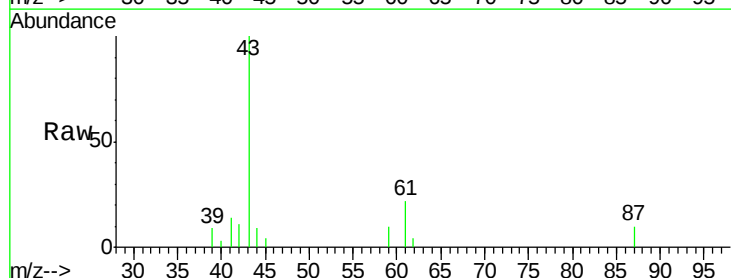
Acq: 14 May 2020 19:16

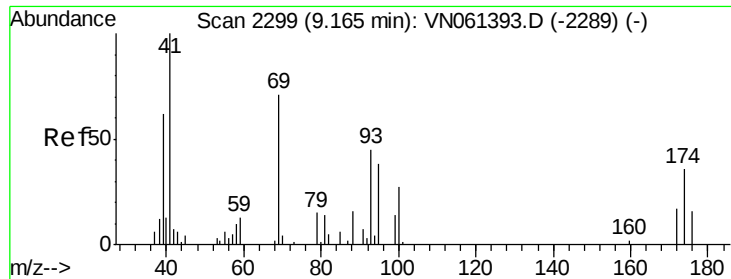
Tgt Ion: 43 Resp: 17719

Ion Ratio Lower Upper

43 100

61 19.4 19.9 29.9#





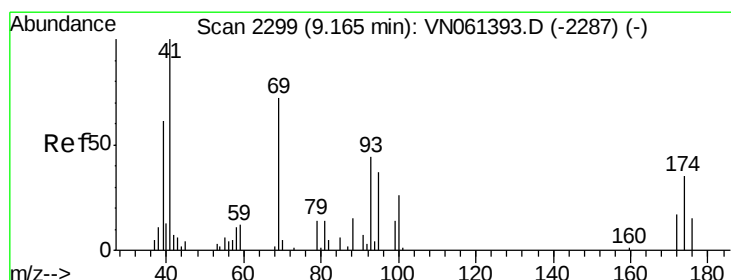
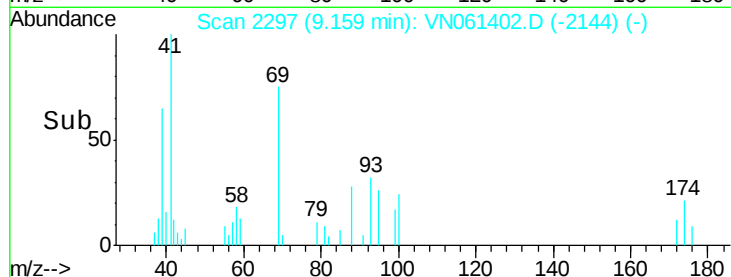
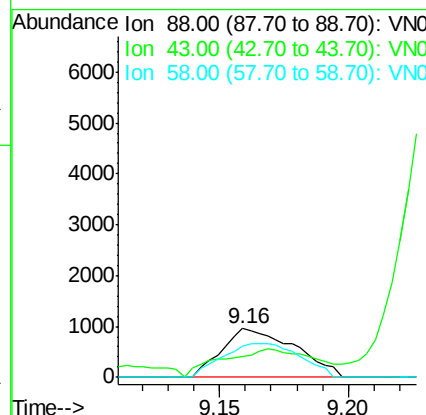
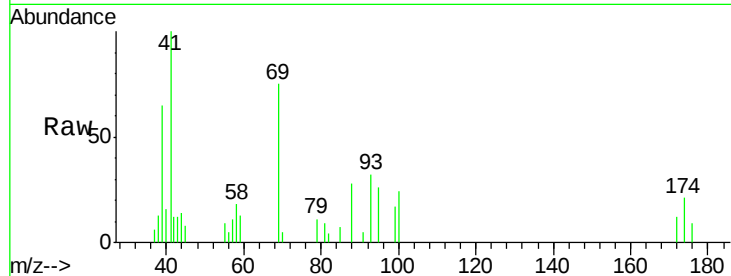
#45
1,4-Dioxane
Concen: 152.541 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.01 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

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

Tot Ion	88	Resp	1897
Ion	Ratio	Lower	Upper
88	100		
43	74.9	29.8	44.8#
58	73.6	58.2	87.4

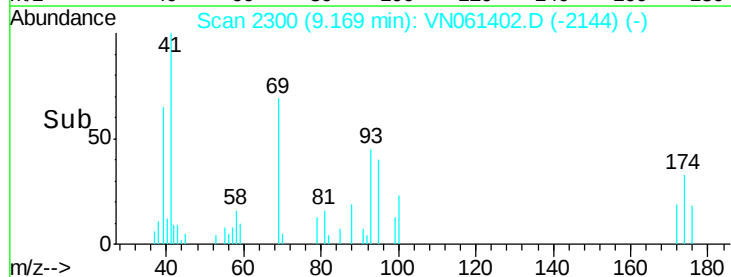
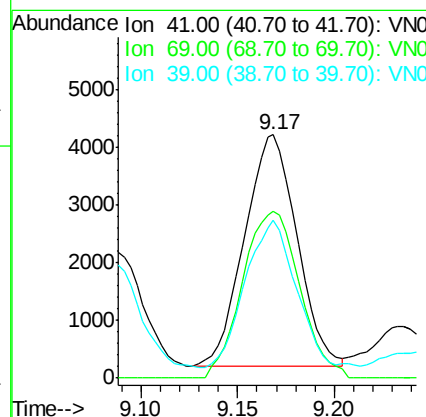
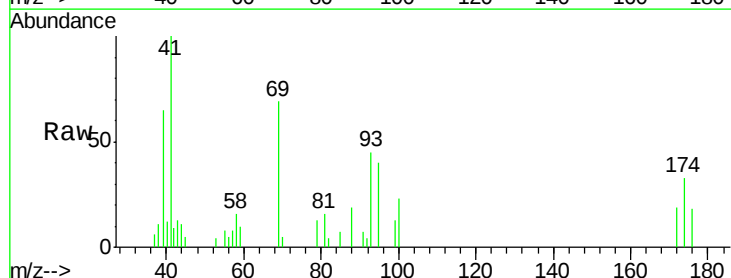
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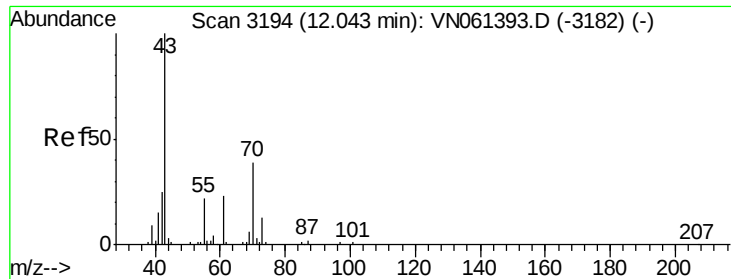
MMDadoda
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#46
Methyl methacrylate
Concen: 5.102 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

Tgt Ion	41	Resp	7561
Ion	Ratio	Lower	Upper
41	100		
69	72.3	40.2	120.5
39	62.8	29.9	89.8





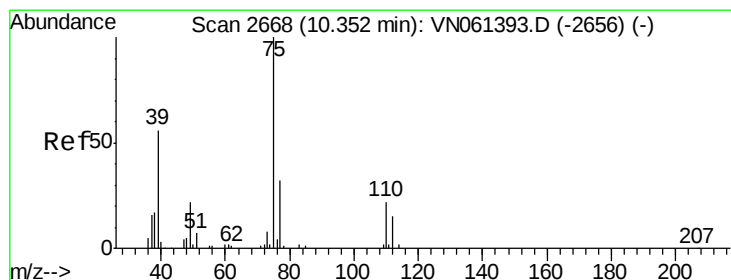
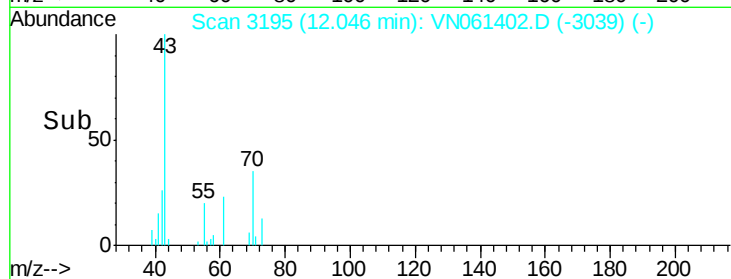
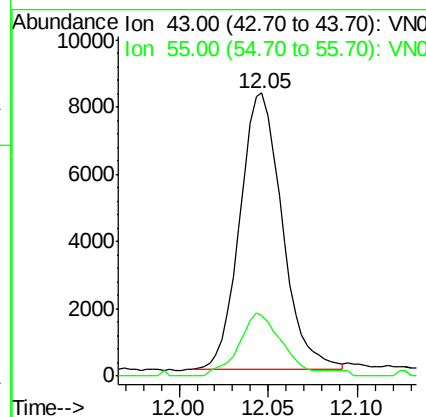
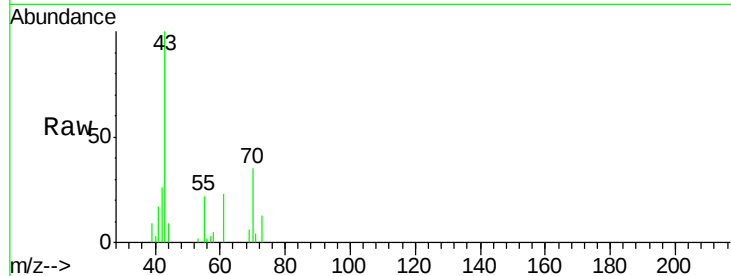
#47
n-amyl Acetate
Concen: 4.808 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

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

Tot Ion	Ratio	Lower	Upper
43	100		
55	23.3	19.6	29.4

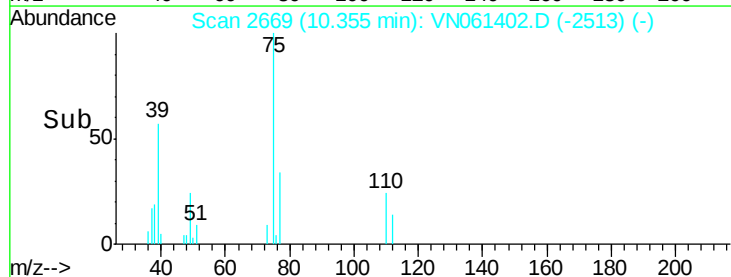
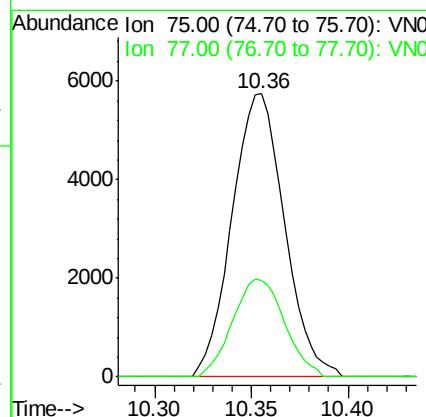
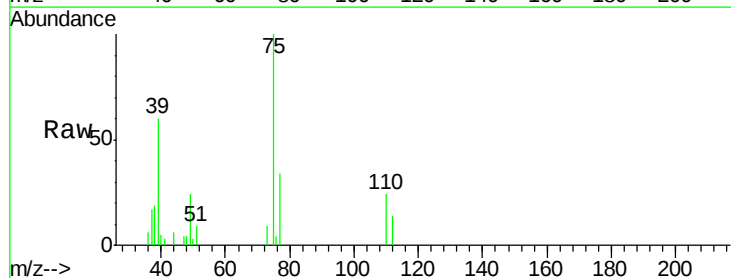
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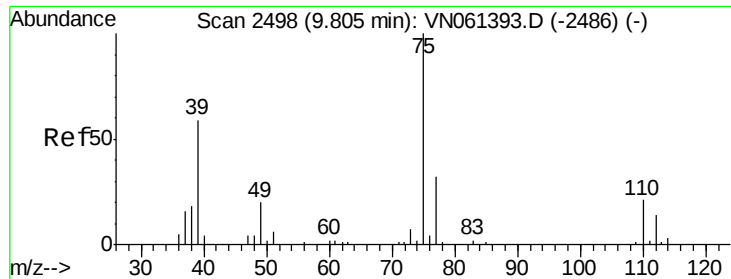
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 4.912 ug/l
RT: 10.36 min Scan# 2669
Delta R.T. 0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.9	27.0	40.4





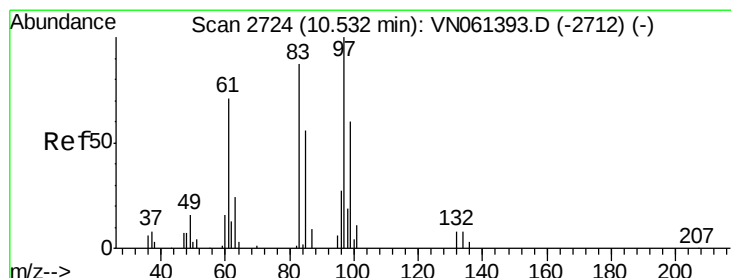
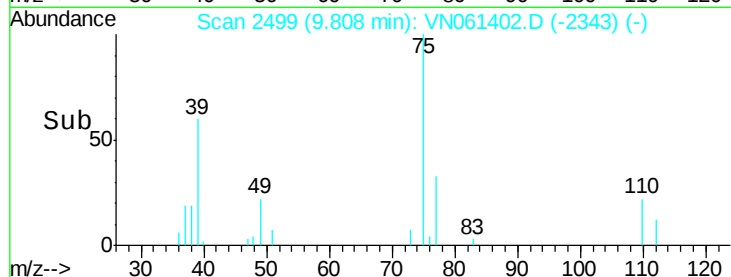
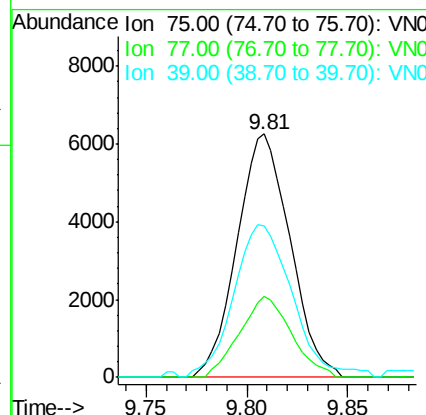
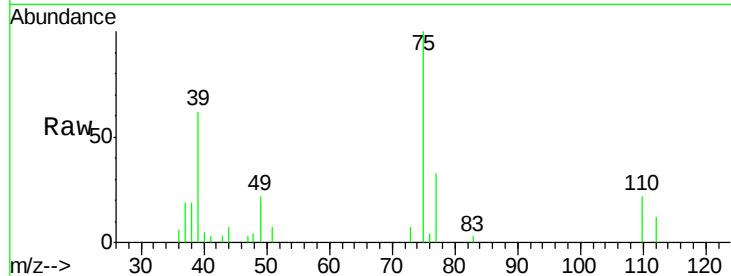
#49
 cis-1,3-Dichloropropene
 Concen: 4.924 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

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

Tot Ion	Ratio	Resp	Lower	Upper
75	100	11505		
77	33.1	26.1	39.1	
39	59.7	43.1	64.7	

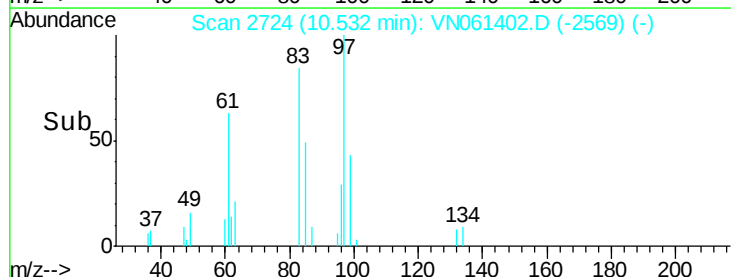
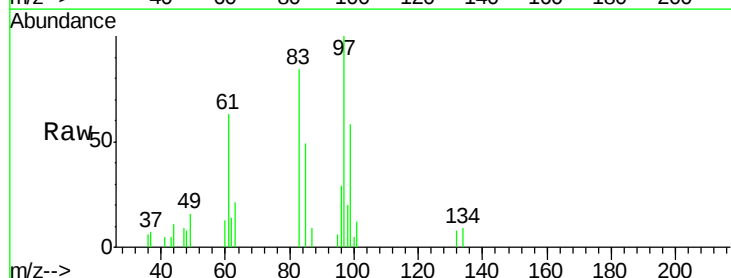
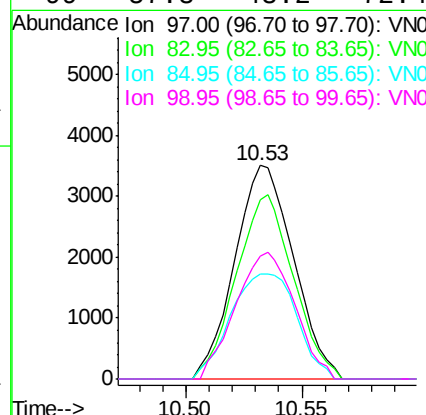
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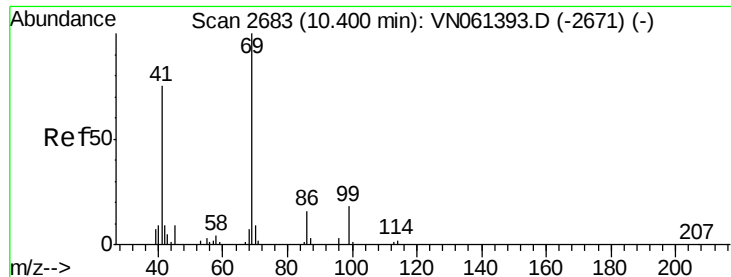
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#50
 1,1,2-Trichloroethane
 Concen: 5.179 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	6179		
83	84.0	70.7	106.1	
85	49.0	45.1	67.7	
99	57.8	48.2	72.4	





#51

Ethyl methacrylate

Concen: 5.062 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN061402.D

Acq: 14 May 2020 19:16

Instrument :

MSVOA_N

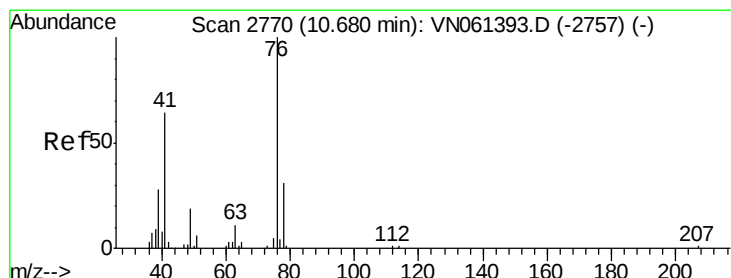
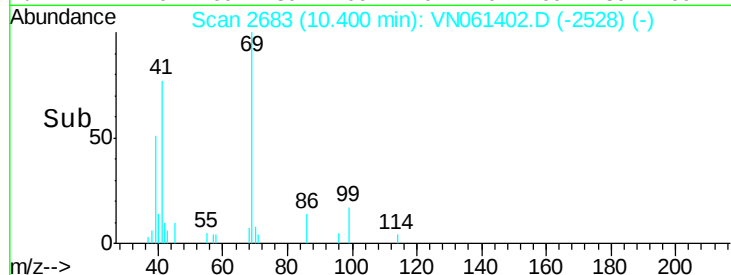
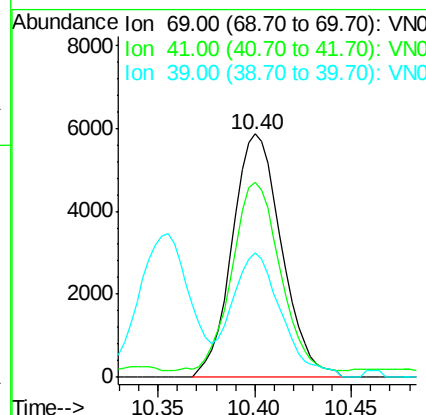
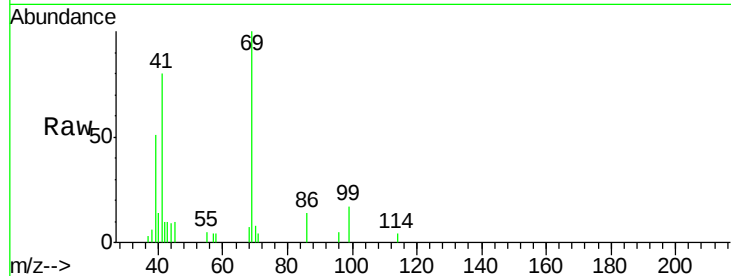
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	69	Resp:	10405
Ion	Ratio	Lower	Upper
69	100		
41	77.0	34.7	104.1
39	51.1	20.3	60.8

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#52

1,3-Dichloropropane

Concen: 5.168 ug/l

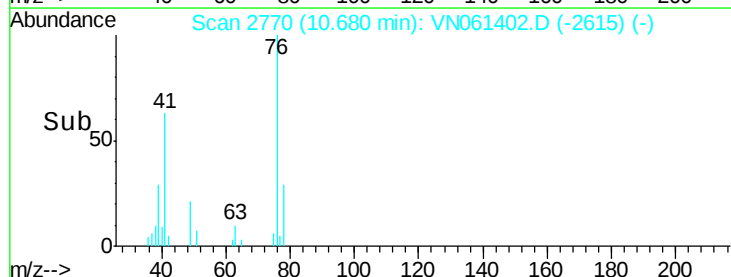
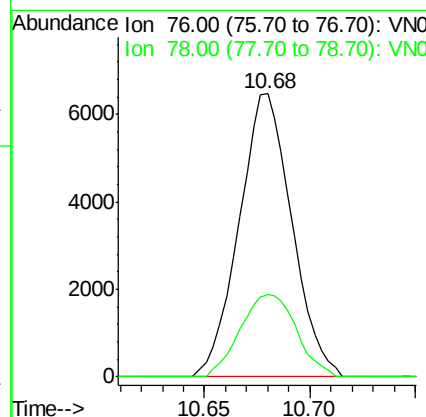
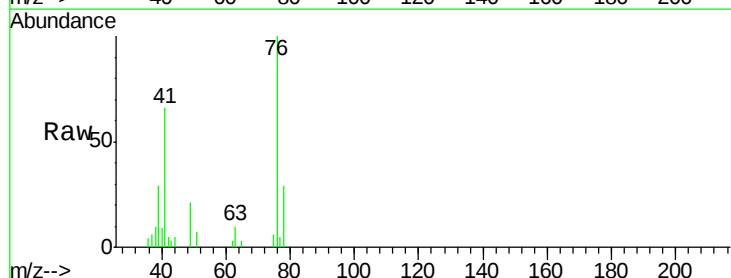
RT: 10.68 min Scan# 2770

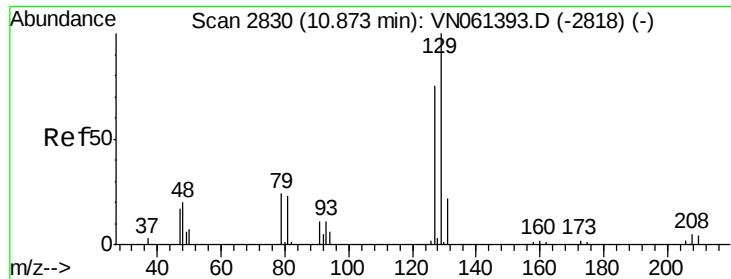
Delta R.T. -0.00 min

Lab File: VN061402.D

Acq: 14 May 2020 19:16

Tgt Ion:	76	Resp:	11260
Ion	Ratio	Lower	Upper
76	100		
78	30.9	0.0	63.2





#53

Dibromochloromethane

Concen: 4.483 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. -0.00 min

Lab File: VN061402.D

Acq: 14 May 2020 19:16

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:129 Resp: 5861

Ion Ratio Lower Upper

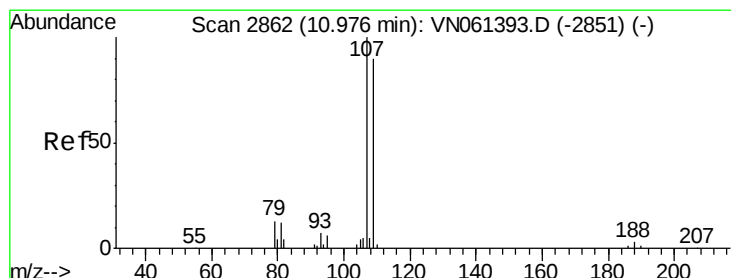
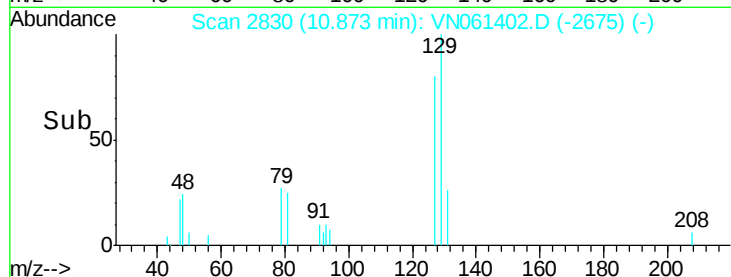
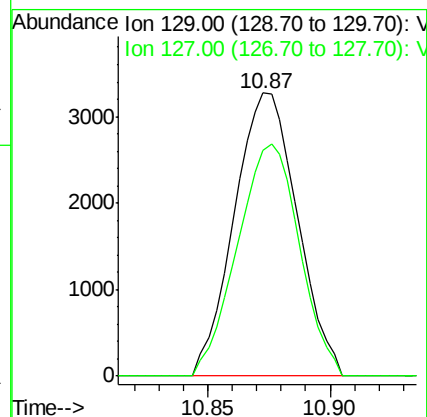
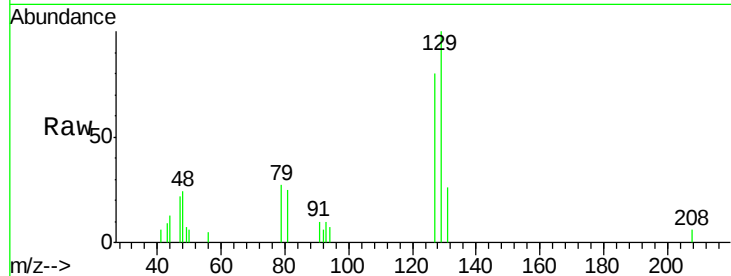
129 100

127 80.7 39.1 117.5

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#54

1,2-Dibromoethane

Concen: 4.848 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN061402.D

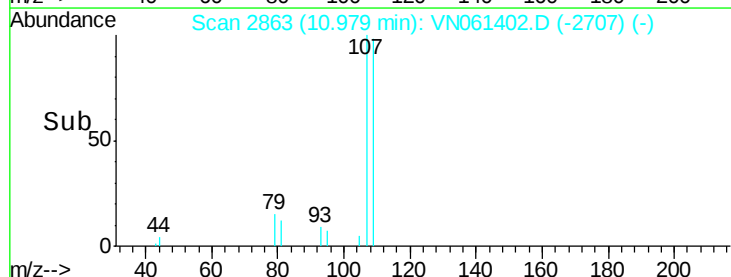
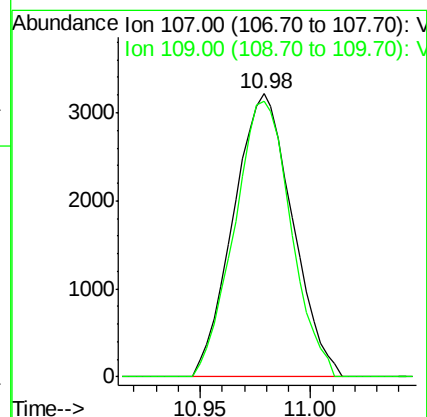
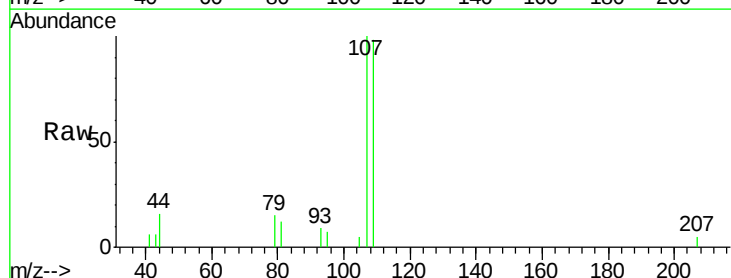
Acq: 14 May 2020 19:16

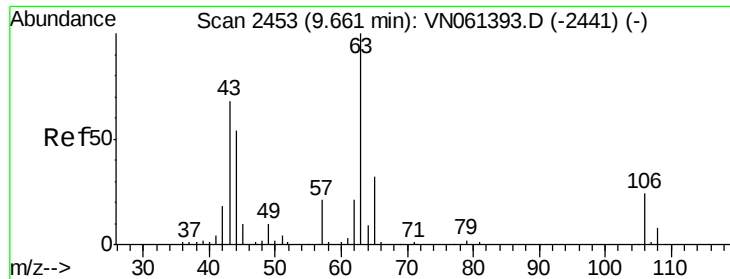
Tgt Ion:107 Resp: 5968

Ion Ratio Lower Upper

107 100

109 93.2 76.2 114.4





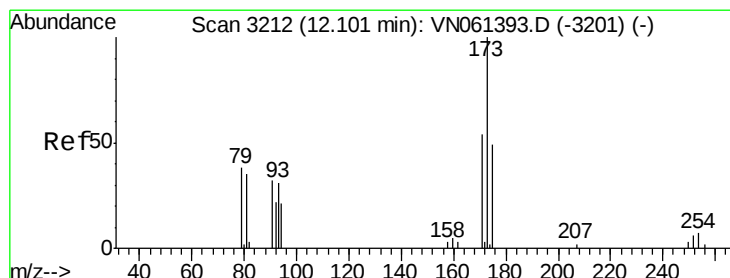
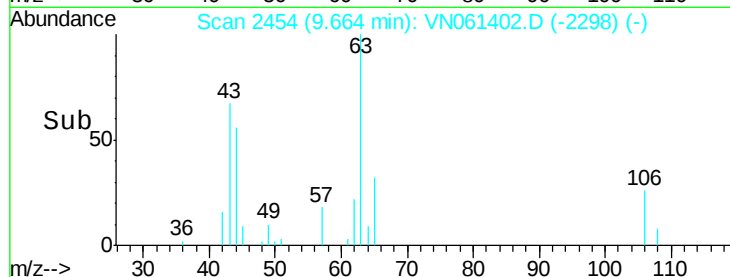
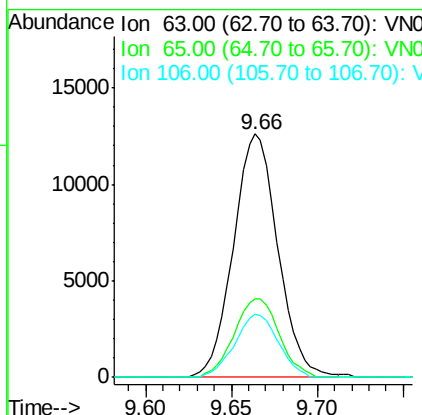
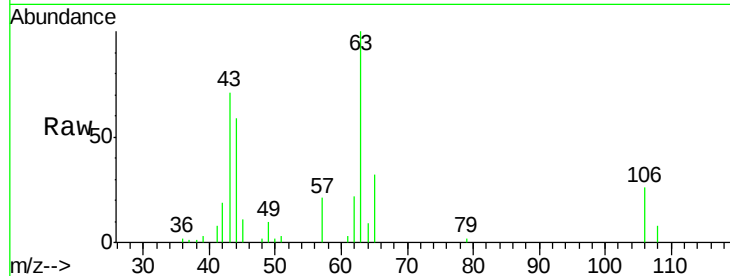
#55
2-Chloroethyl vinyl ether
Concen: 24.849 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

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

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.3	37.9
106	25.2	19.8	29.6

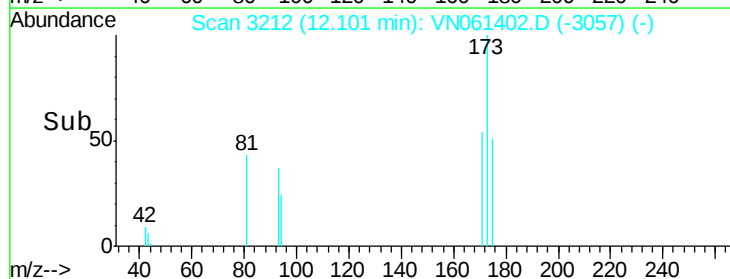
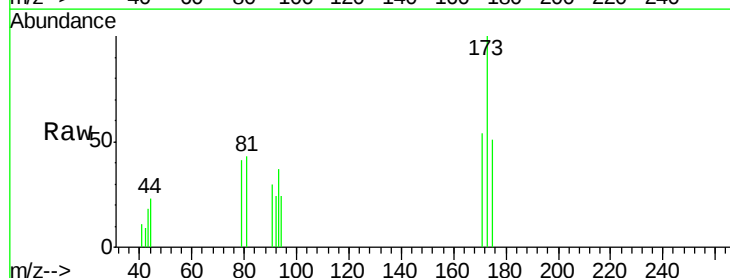
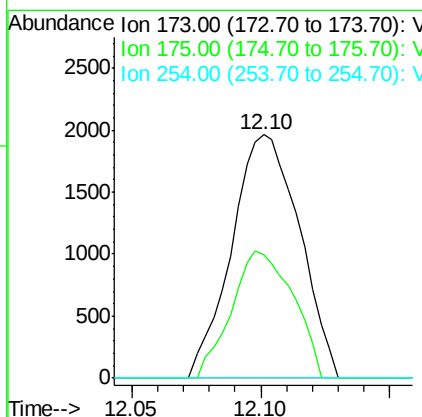
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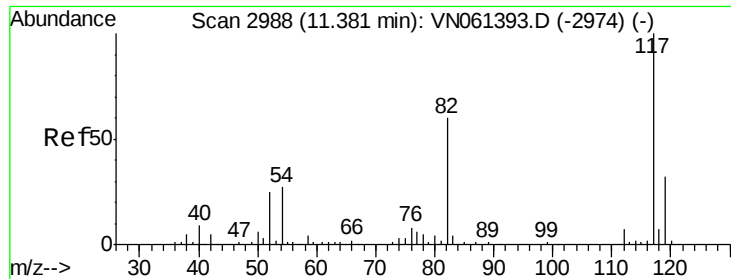
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#56
Bromoform
Concen: 4.367 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.4	38.7	58.1
254	0.0	7.4	11.2#





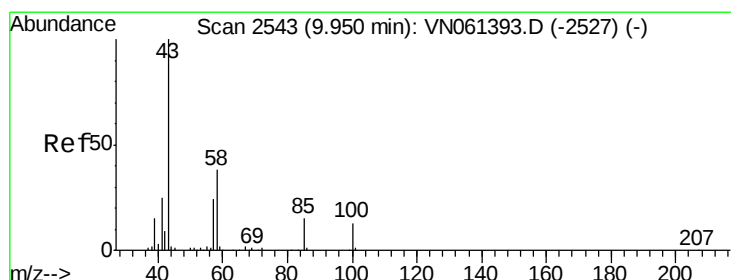
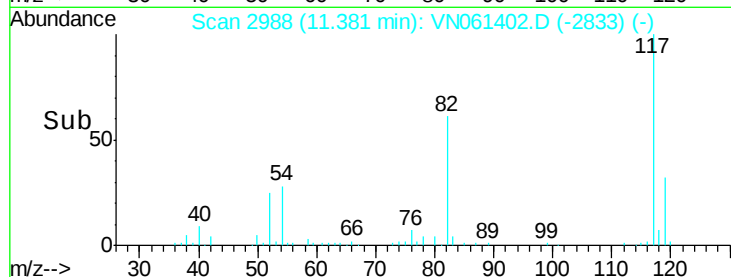
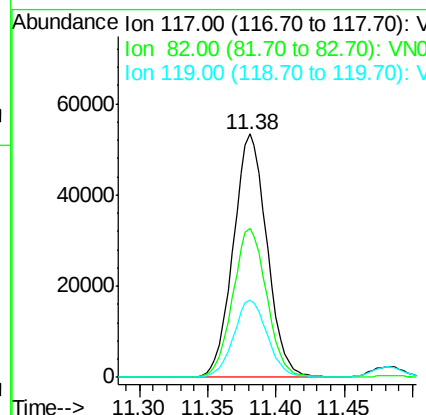
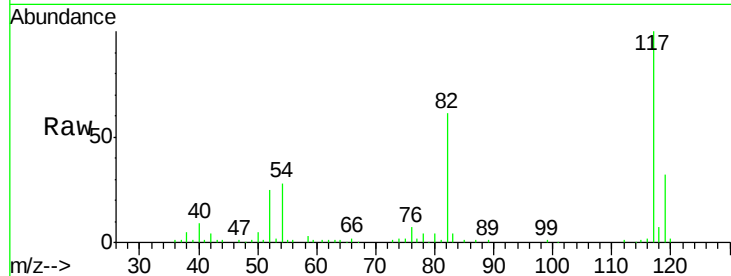
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.6	46.9	70.3
119	31.6	25.8	38.6

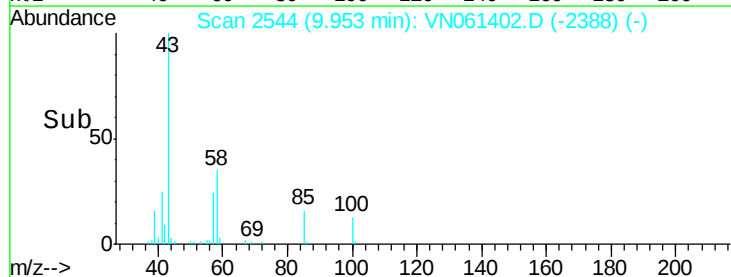
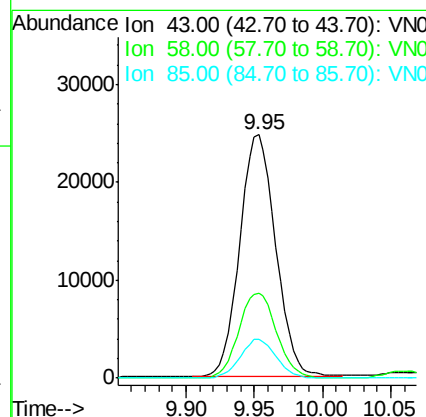
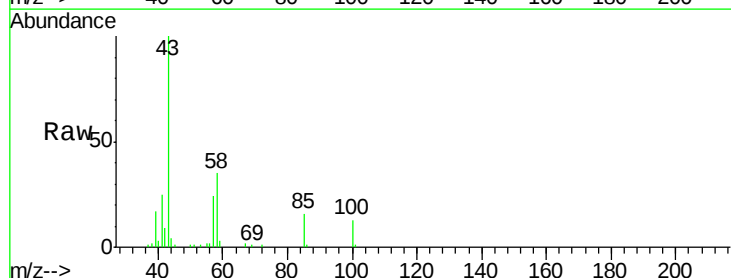
Manual Integrations
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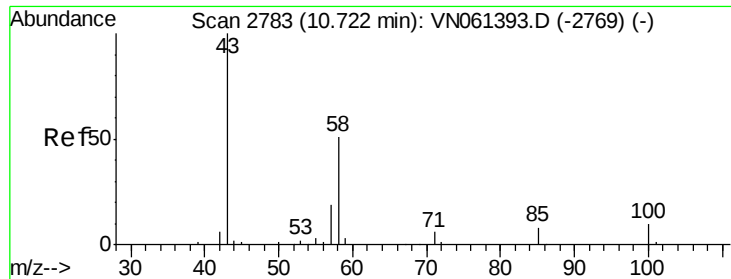
MMDadoda
5/15/2020 2:11:06 PM



#58
4-Methyl-2-Pentanone
Concen: 27.154 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.7	30.1	45.1
85	15.9	13.2	19.8





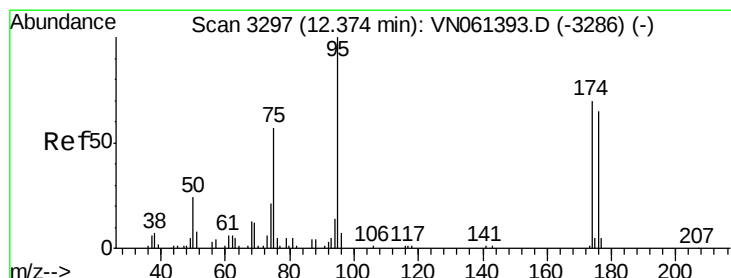
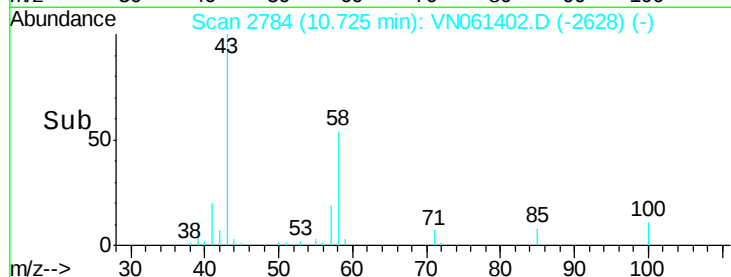
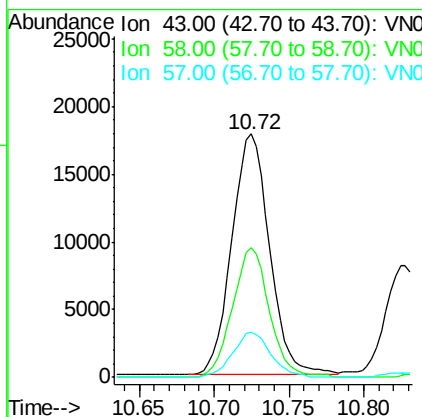
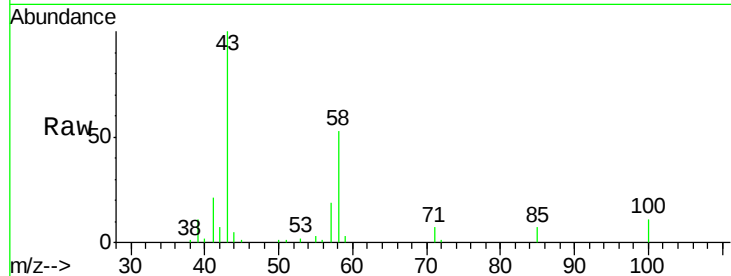
#59
2-Hexanone
Concen: 26.616 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.9	41.4	62.0
57	18.8	14.7	22.1

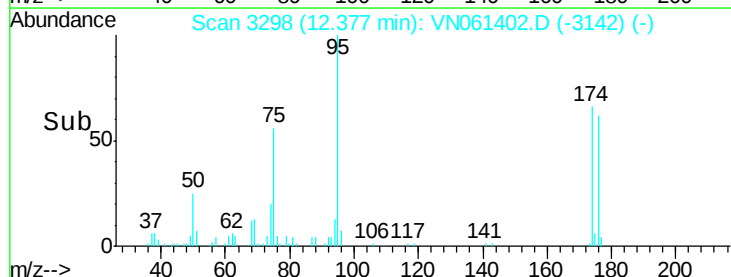
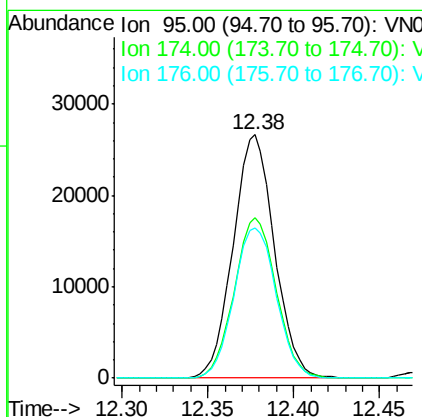
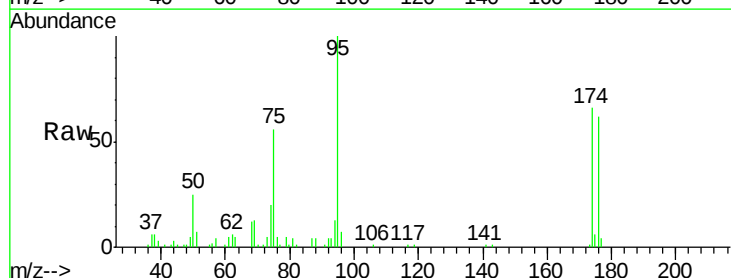
Manual Integrations
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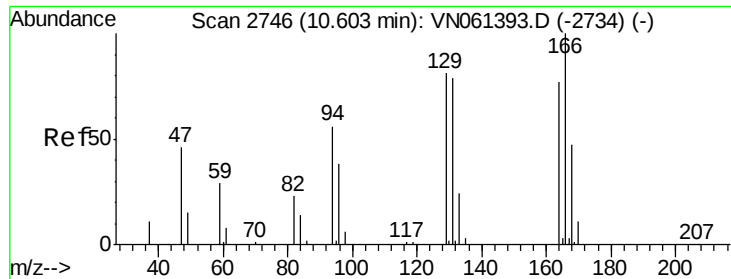
MMDadoda
5/15/2020 2:11:06 PM



#60
4-Bromofluorobenzene
Concen: 28.421 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.6	59.9	89.9
176	63.1	58.3	87.5





#61

Tetrachloroethene

Concen: 5.127 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN061402.D

Acq: 14 May 2020 19:16

Instrument :

MSVOA_N

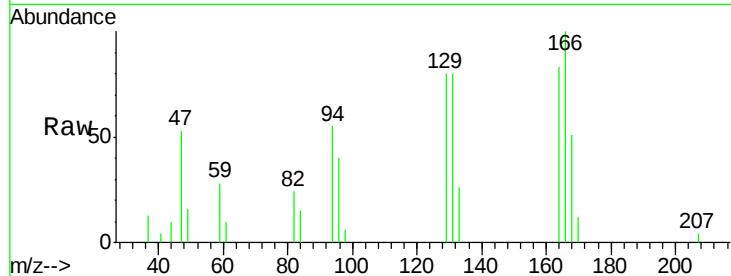
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	164	Resp:	5877
Ion	Ratio	Lower	Upper
164	100		
166	114.6	101.4	152.2
129	96.1	78.1	117.1
131	95.9	73.2	109.8

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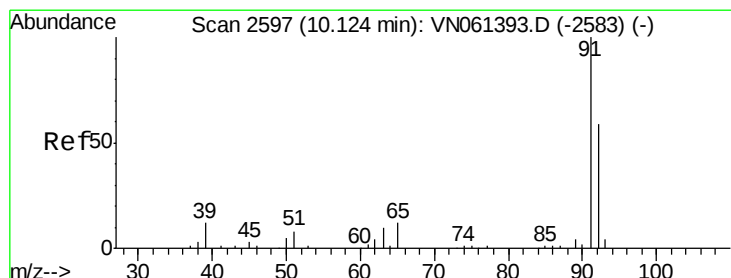
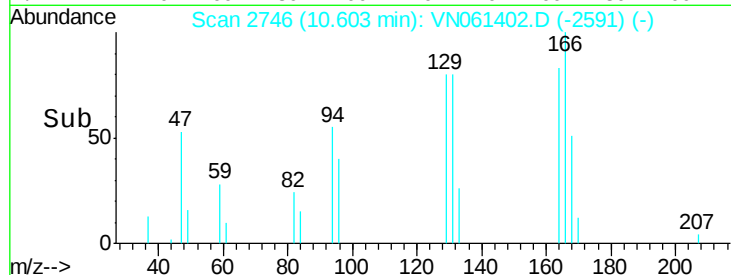
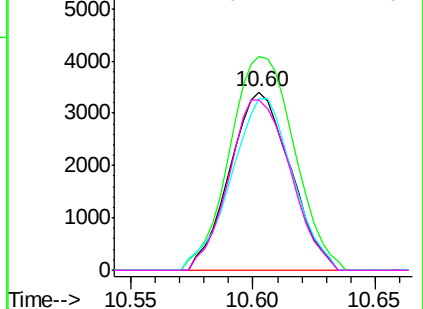
Abundance

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: 5.271 ug/l

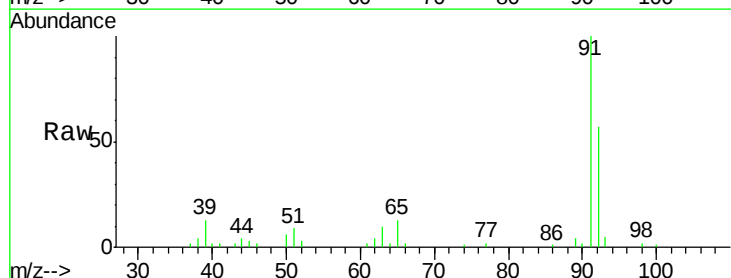
RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061402.D

Acq: 14 May 2020 19:16

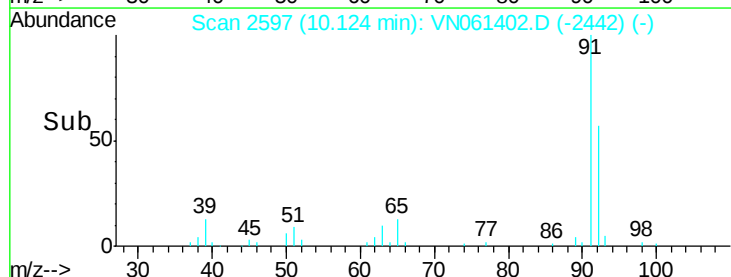
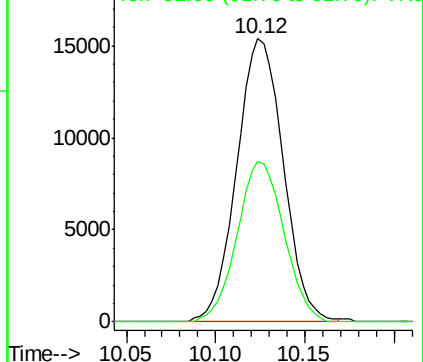
Tgt Ion:	91	Resp:	28015
Ion	Ratio	Lower	Upper
91	100		
92	56.9	45.4	68.2

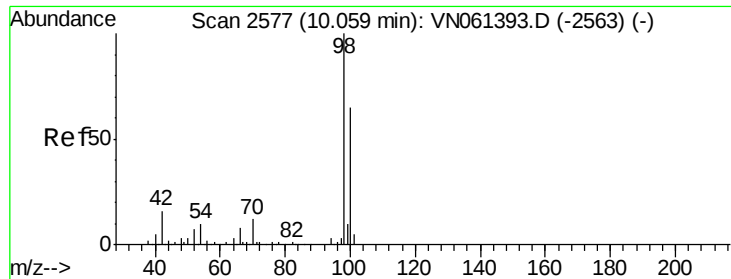


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





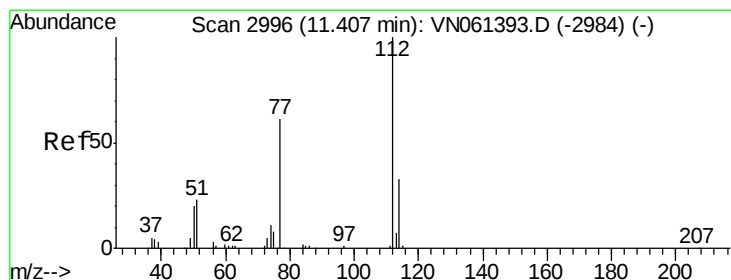
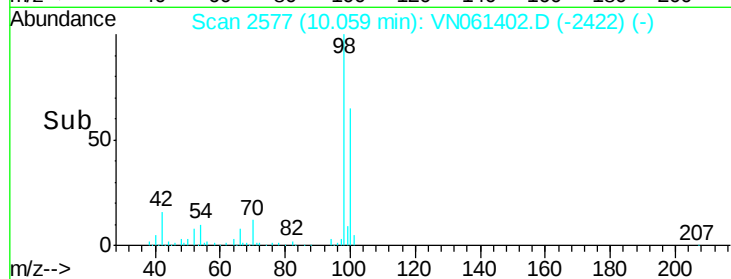
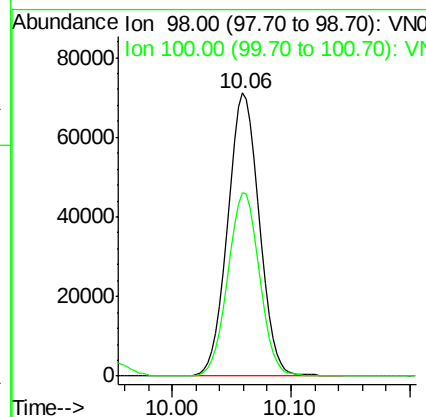
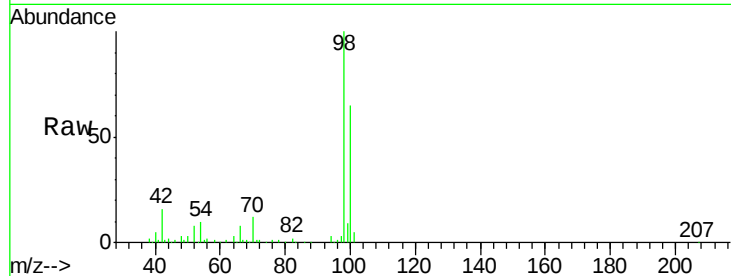
#63
Toluene-d8
Concen: 30.858 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

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

Tot Ion: 98 Resp: 130956
Ion Ratio Lower Upper
98 100
100 64.9 50.6 75.8

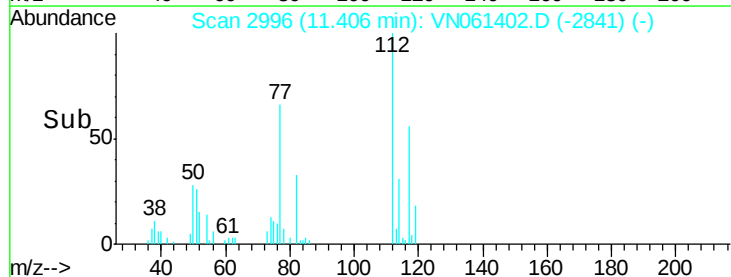
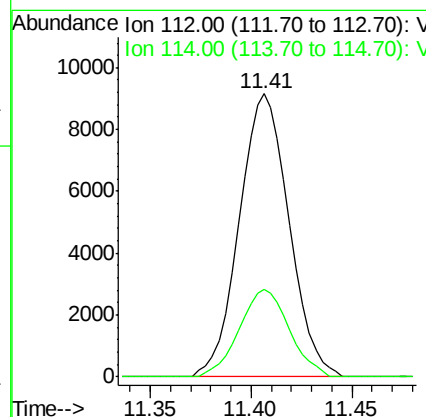
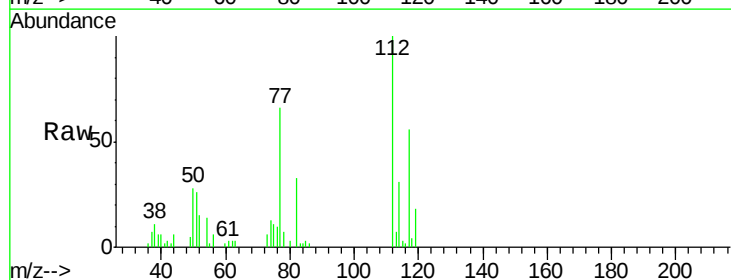
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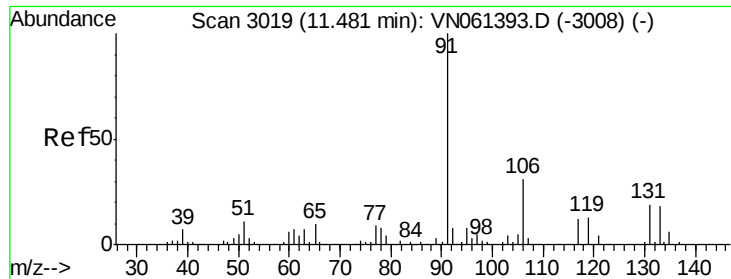
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#64
Chlorobenzene
Concen: 5.018 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

Tgt Ion: 112 Resp: 15785
Ion Ratio Lower Upper
112 100
114 31.0 25.7 38.5





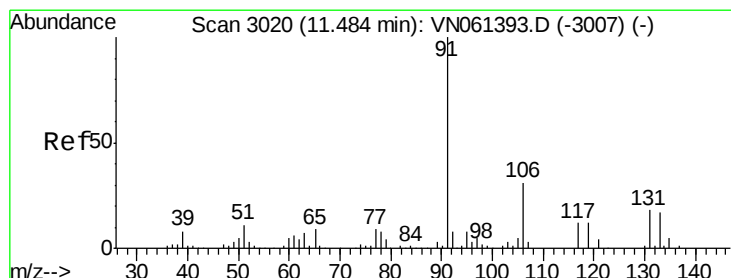
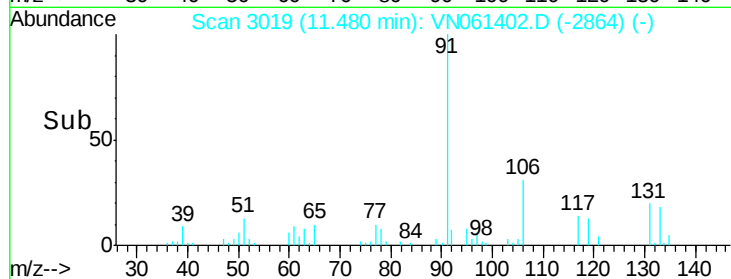
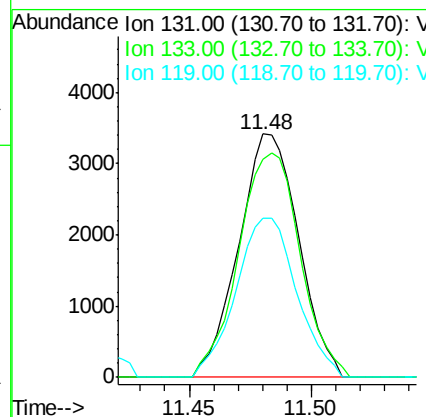
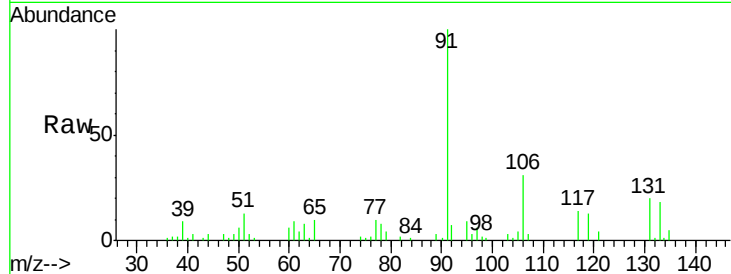
#65
1,1,1,2-Tetrachloroethane
Concen: 5.077 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

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

Tot Ion:131 Resp: 5836
Ion Ratio Lower Upper
131 100
133 94.5 0.0 194.0
119 66.2 0.0 136.8

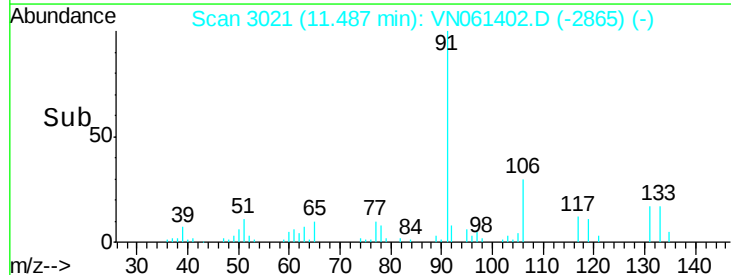
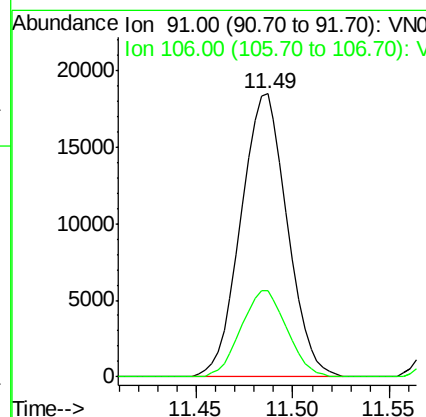
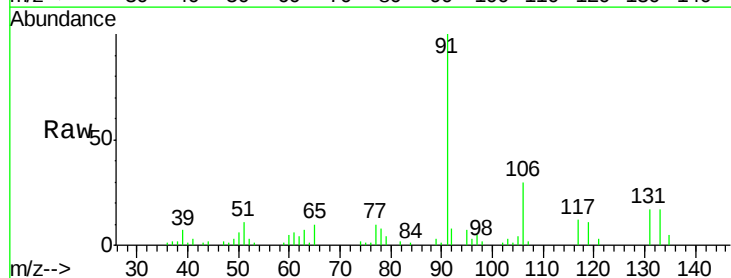
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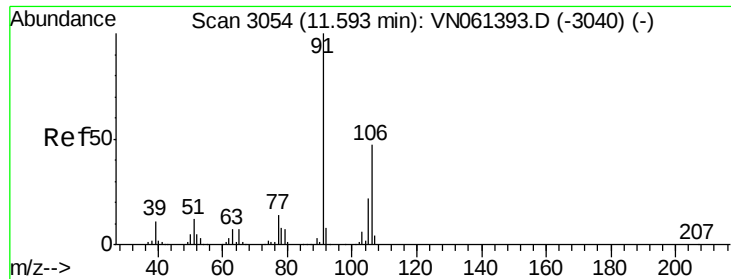
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#66
Ethyl Benzene
Concen: 5.053 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

Tgt Ion: 91 Resp: 30822
Ion Ratio Lower Upper
91 100
106 30.4 24.2 36.4





#67

m/p-Xylenes

Concen: 9.806 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN061402.D

Acq: 14 May 2020 19:16

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:106 Resp: 22085

Ion Ratio Lower Upper

106 100

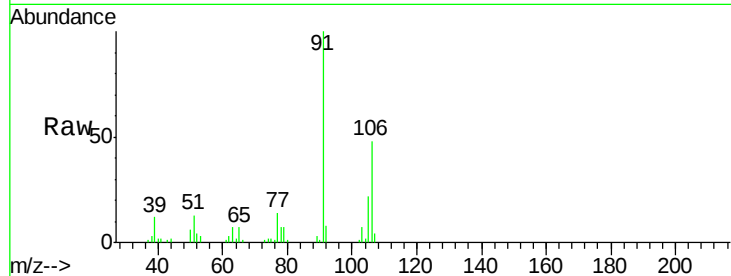
91 211.3 165.6 248.4

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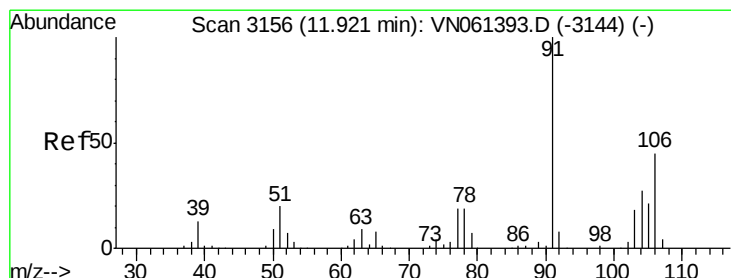
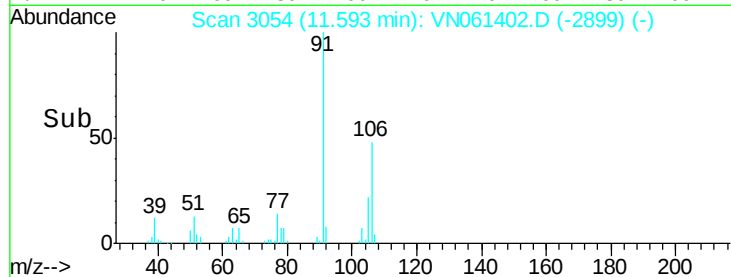
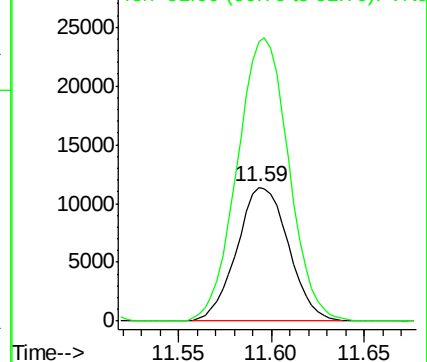
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 4.909 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VN061402.D

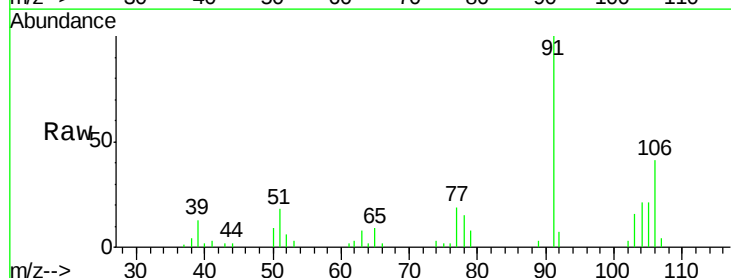
Acq: 14 May 2020 19:16

Tgt Ion:106 Resp: 10553

Ion Ratio Lower Upper

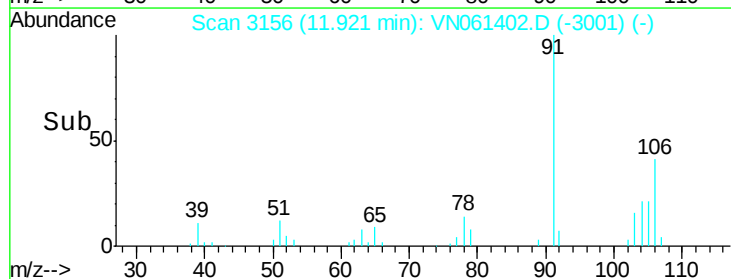
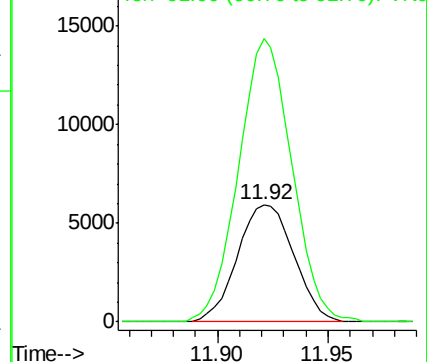
106 100

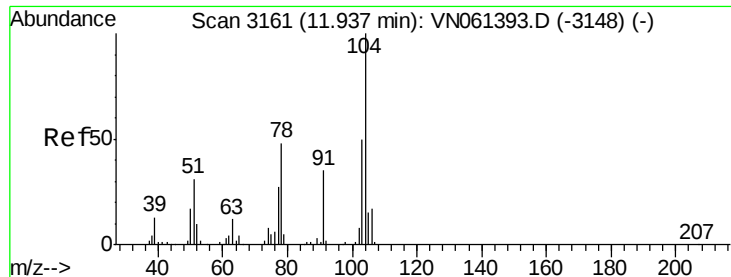
91 228.6 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





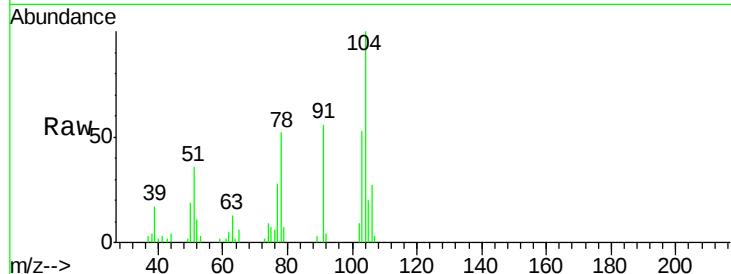
#69
Stvrene
Concen: 4.598 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

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

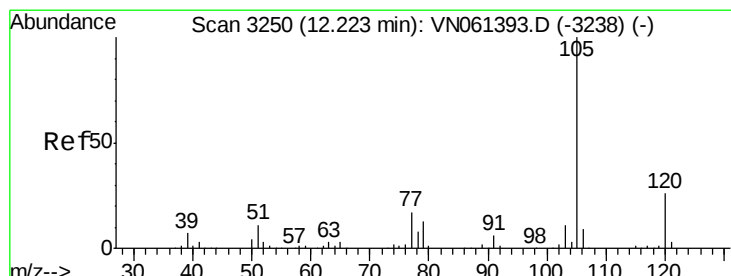
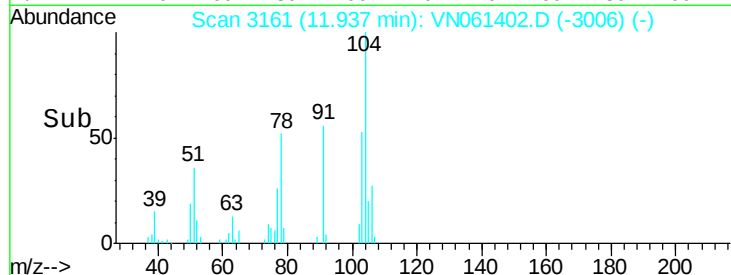
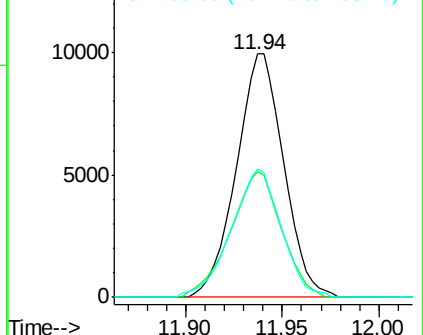
Tot Ion	Ratio	Lower	Upper
104	100		
78	55.4	42.4	63.6
103	55.5	44.6	66.8

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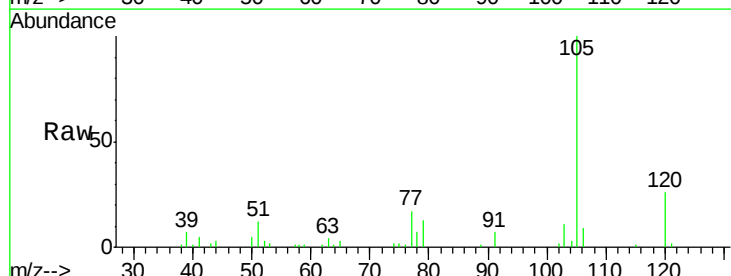


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

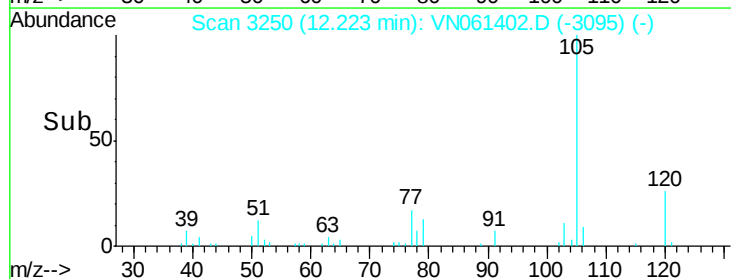
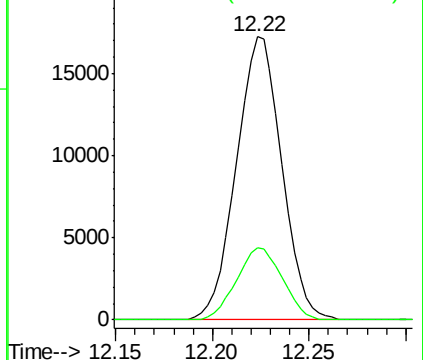


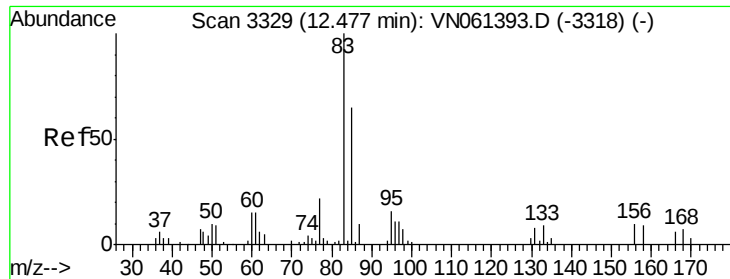
#70
Isopropylbenzene
Concen: 4.833 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	18.4	34.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





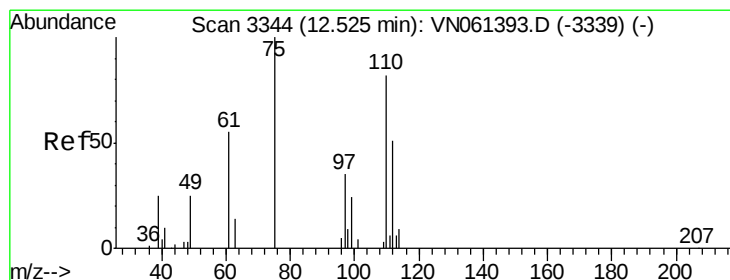
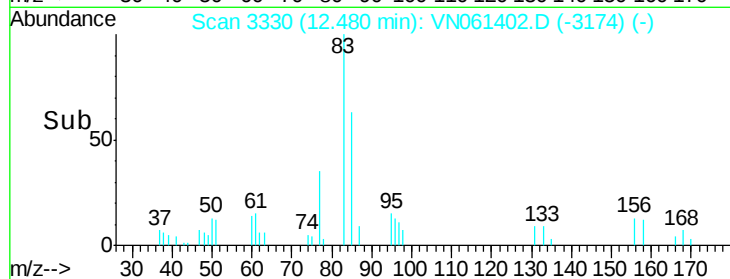
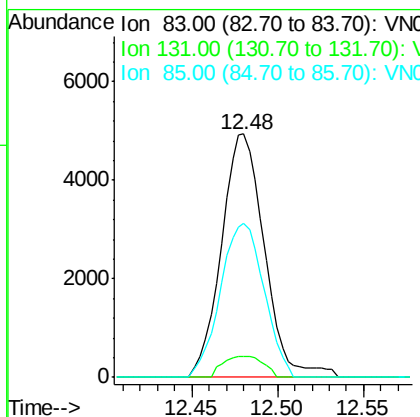
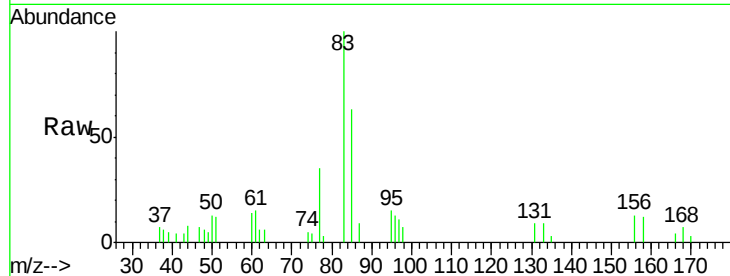
#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.350 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

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

Tot Ion	Ratio	Lower	Upper
83	100		
131	8.1	4.9	14.7
85	63.9	31.6	94.7

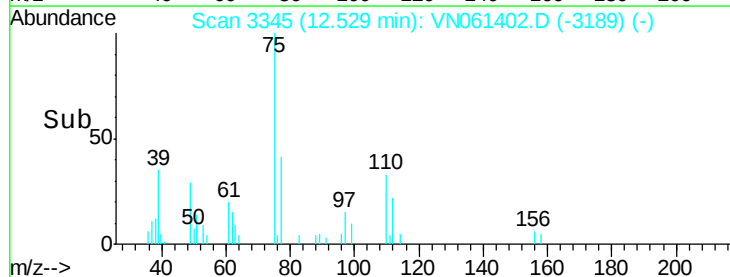
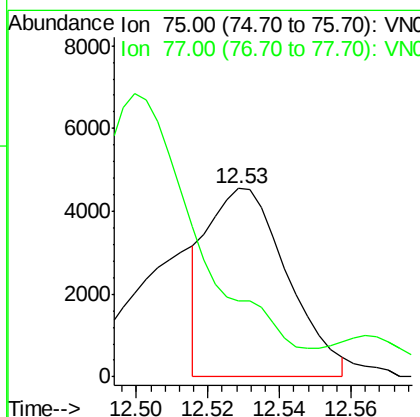
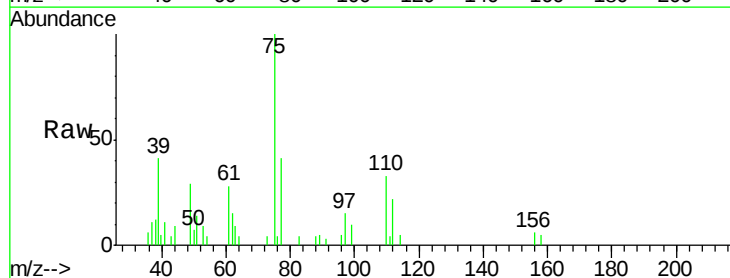
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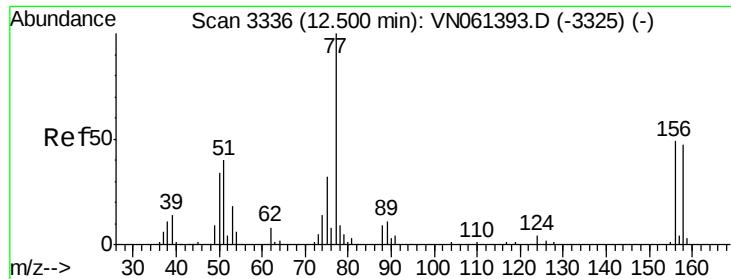
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#72
 1,2,3-Trichloropropane
 Concen: 4.576 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	188.0	0.0	359.4





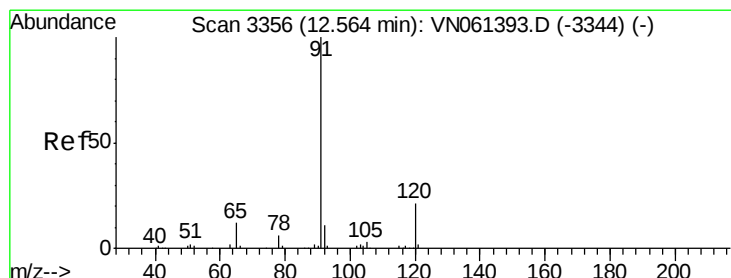
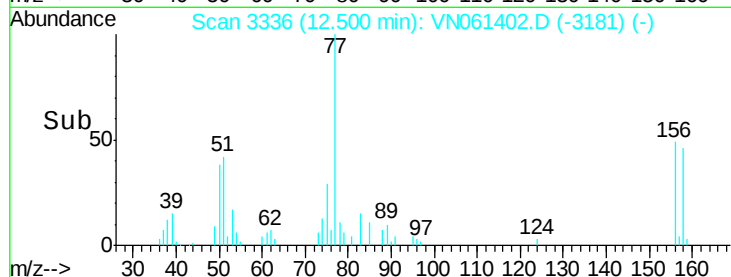
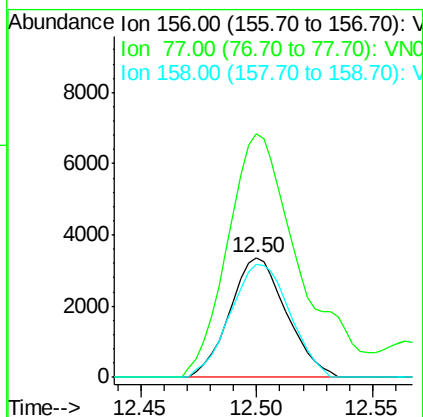
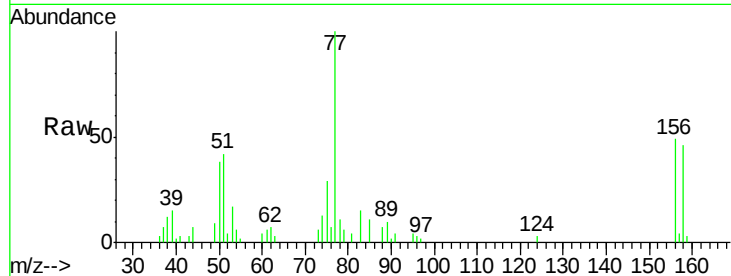
#73
Bromobenzene
Concen: 4.708 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

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

Tot Ion	Ratio	Lower	Upper
156	100		
77	231.8	0.0	456.0
158	99.4	0.0	195.4

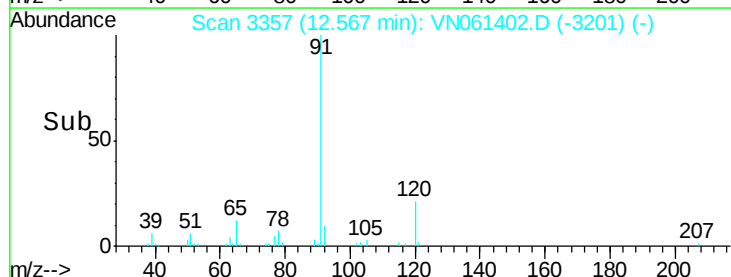
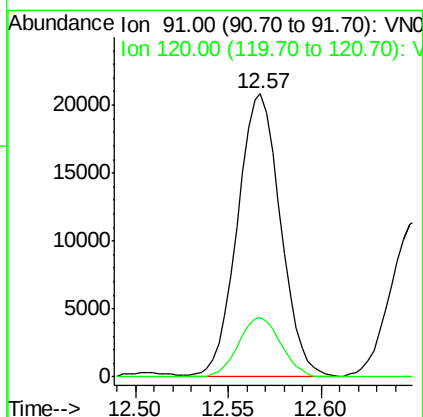
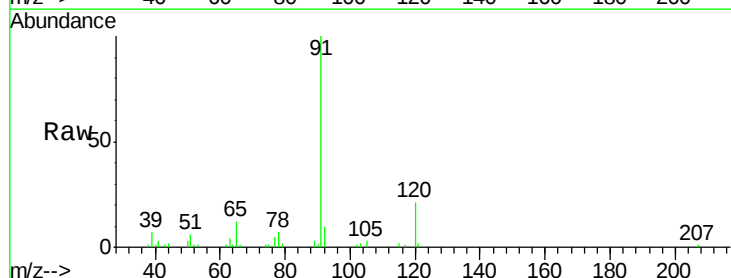
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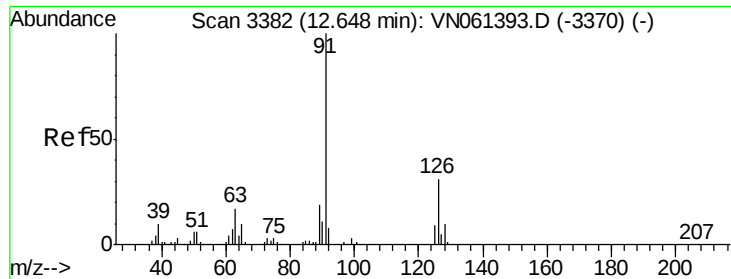
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#74
n-propylbenzene
Concen: 4.856 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.5	0.0	43.6





#75

2-Chlorotoluene

Concen: 4.833 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN061402.D

Acq: 14 May 2020 19:16

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 91 Resp: 19193

Ion Ratio Lower Upper

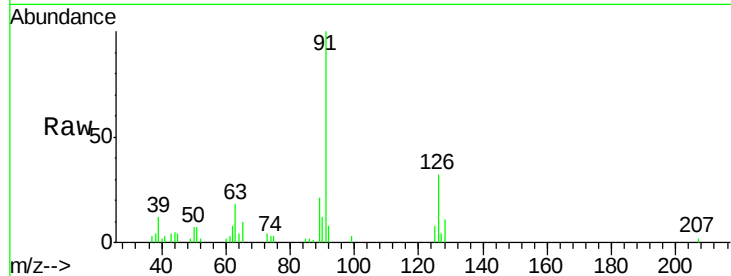
91 100

126 33.3 0.0 65.4

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN061402.D (-3227) (-)

Ion 126.00 (125.70 to 126.70): VN061402.D (-3227) (-)

15000

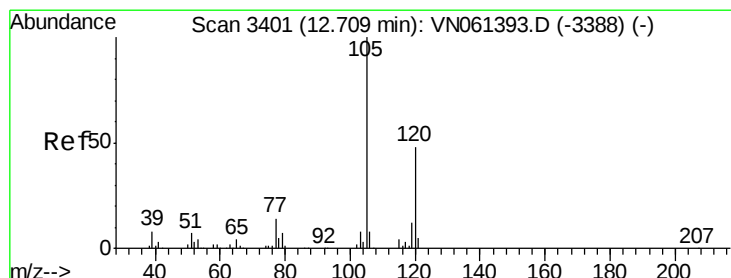
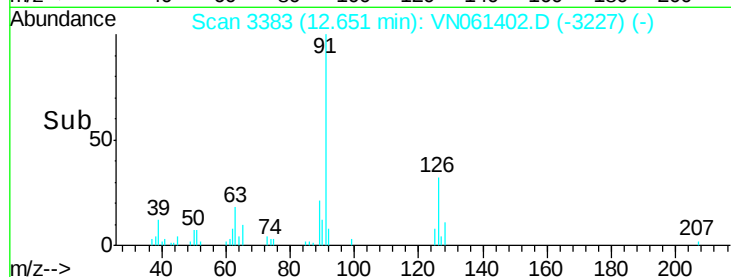
10000

5000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 4.834 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061402.D

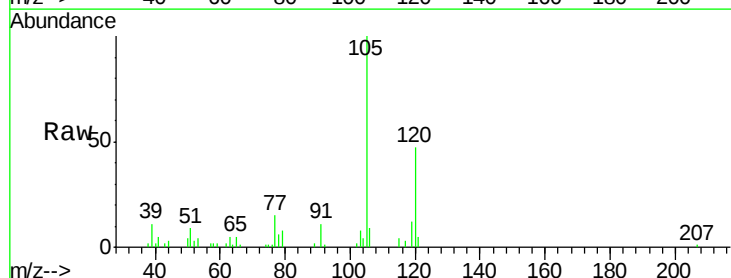
Acq: 14 May 2020 19:16

Tgt Ion: 105 Resp: 23628

Ion Ratio Lower Upper

105 100

120 46.7 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): VN061402.D (-3246) (-)

Ion 120.00 (119.70 to 120.70): VN061402.D (-3246) (-)

15000

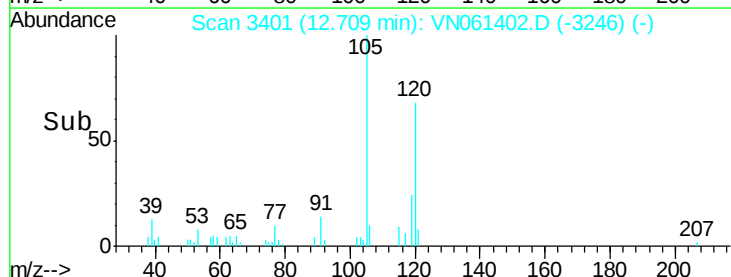
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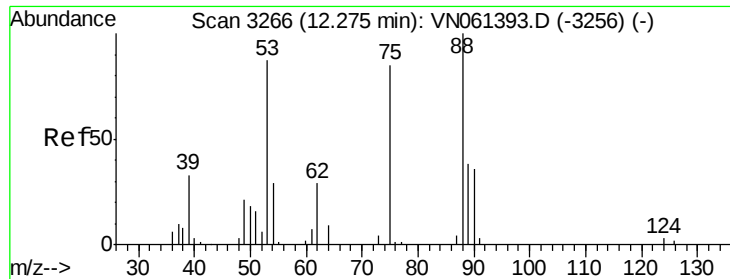
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0

12.65 12.70 12.75

Time-->





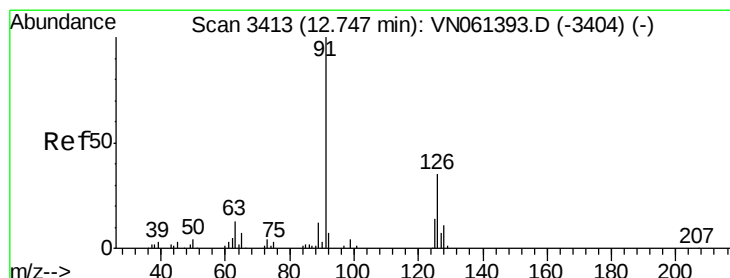
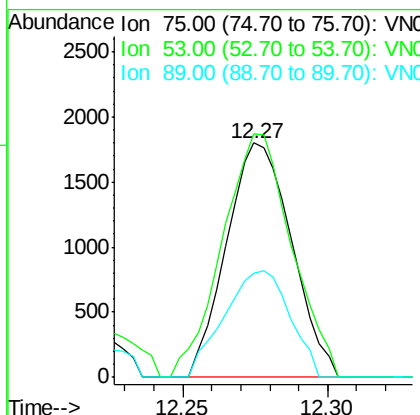
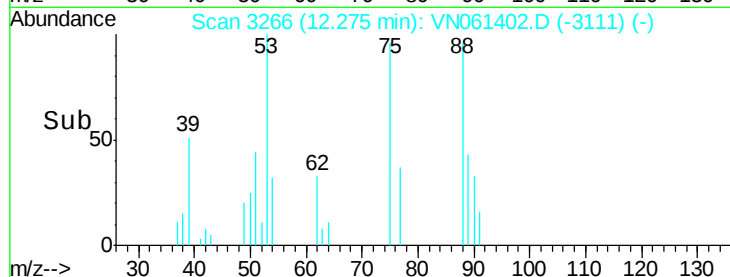
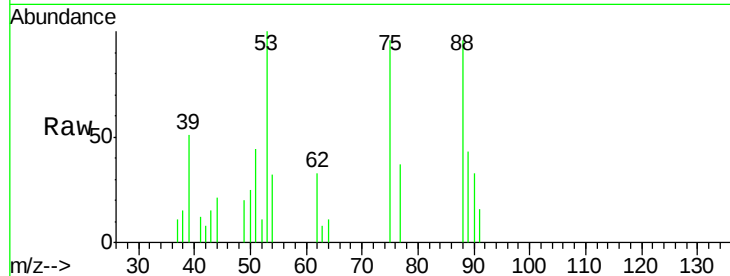
#77
t-1,4-Dichloro-2-butene
Concen: 4.396 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

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

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.8	50.0	150.0
89	44.3	20.7	62.1

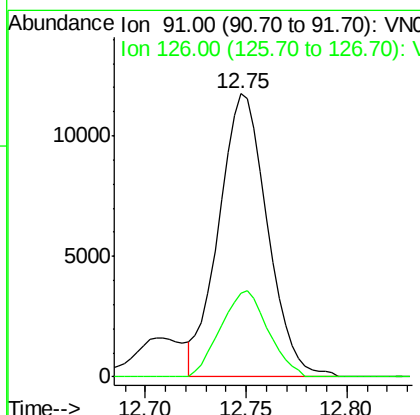
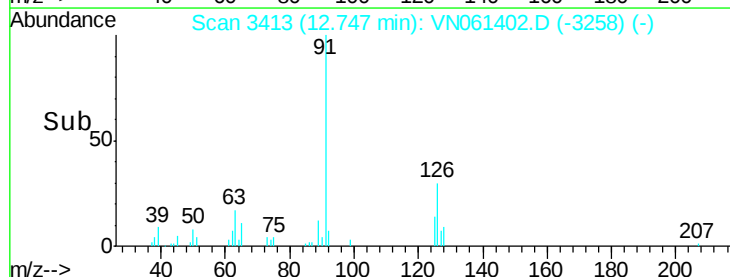
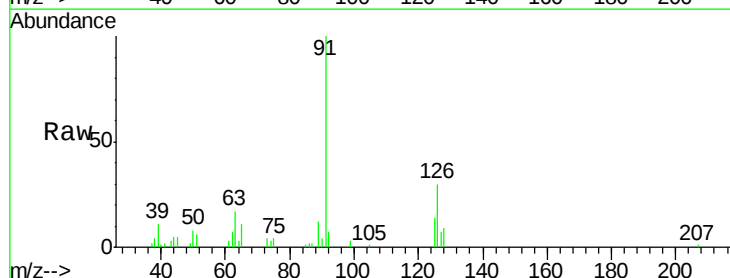
Manual Integrations
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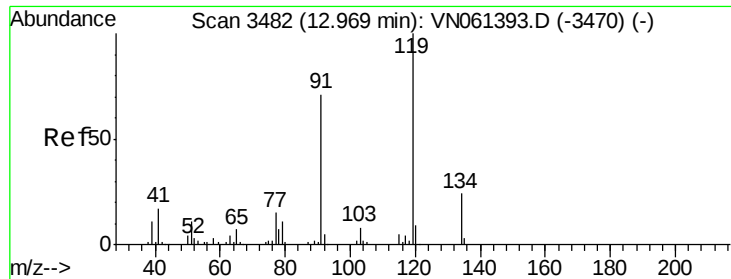
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#78
4-Chlorotoluene
Concen: 4.747 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.8	0.0	63.4





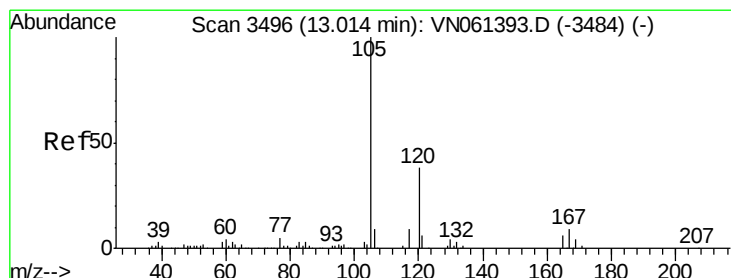
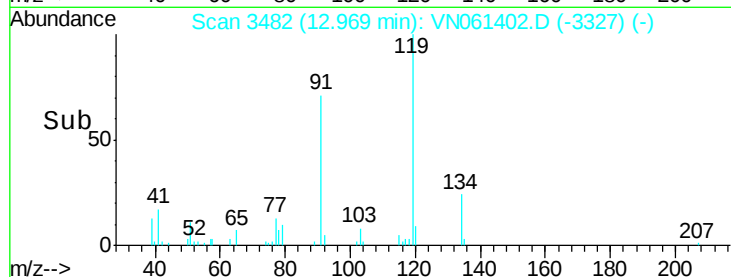
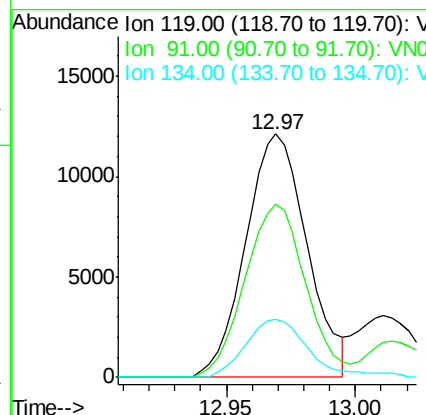
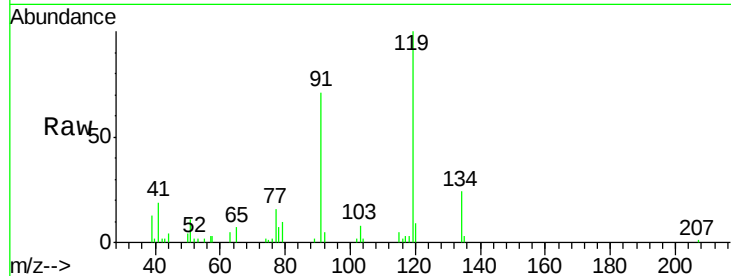
#79
tert-butylbenzene
Concen: 4.958 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	20129		
91	70.5		0.0	136.4
134	24.8		0.0	47.2

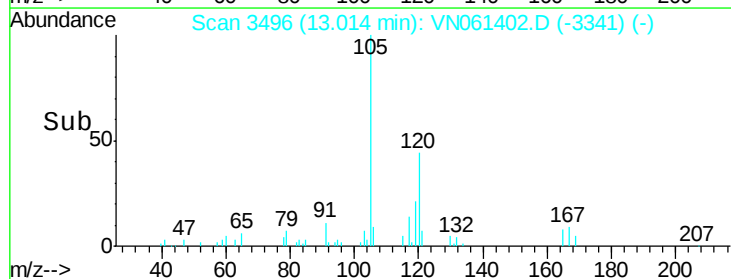
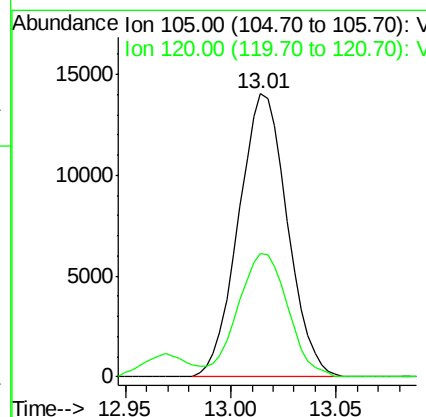
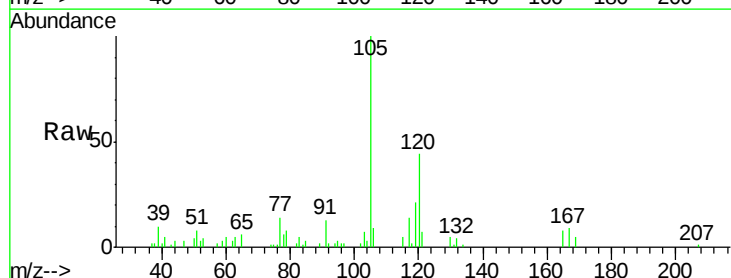
Manual Integrations
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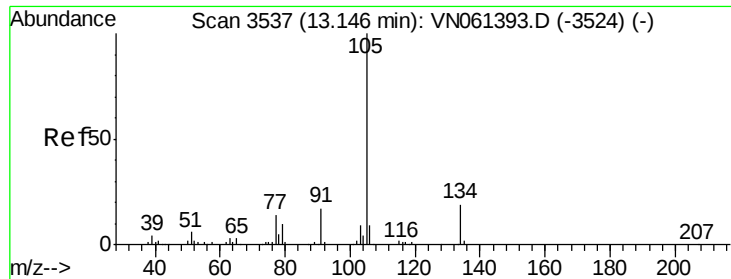
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#80
1,2,4-Trimethylbenzene
Concen: 4.640 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	22634		
120	44.4		0.0	89.2





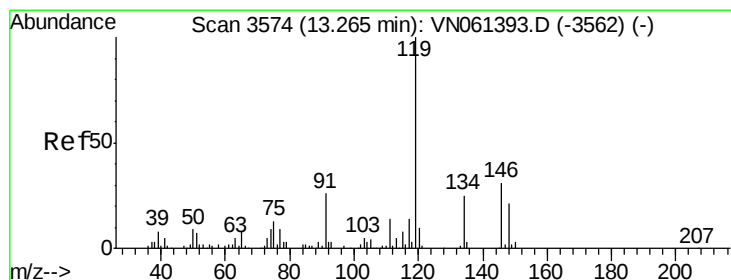
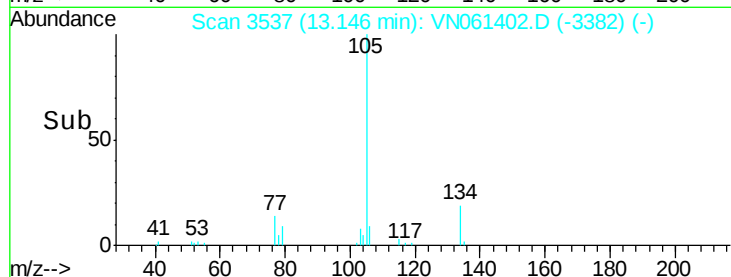
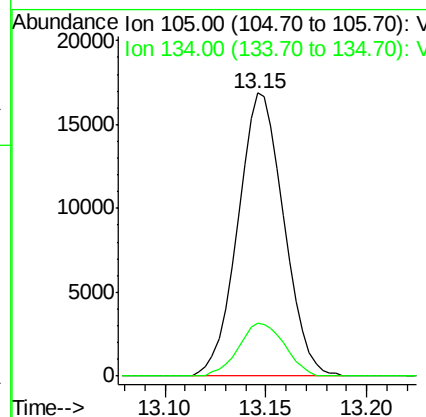
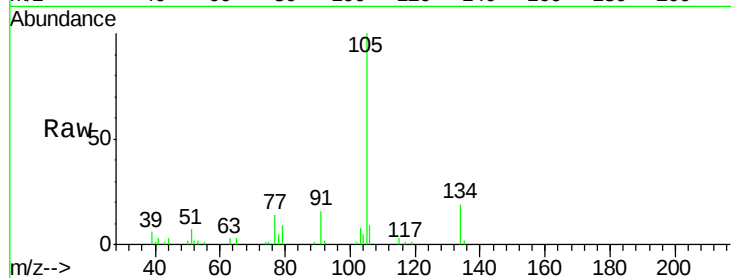
#81
 sec-Butylbenzene
 Concen: 4.814 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

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

Tot Ion	Ratio	Resp	Lower	Upper
105	100	26923		
134	18.7	0.0	38.0	

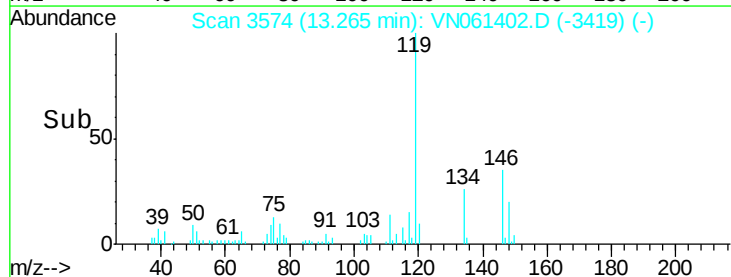
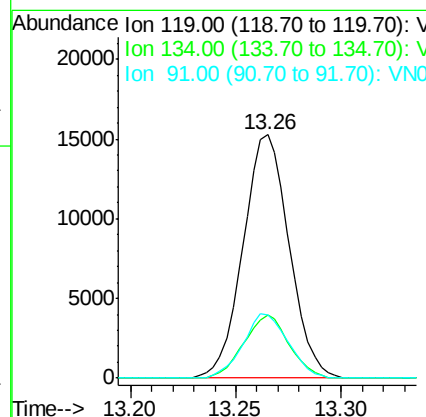
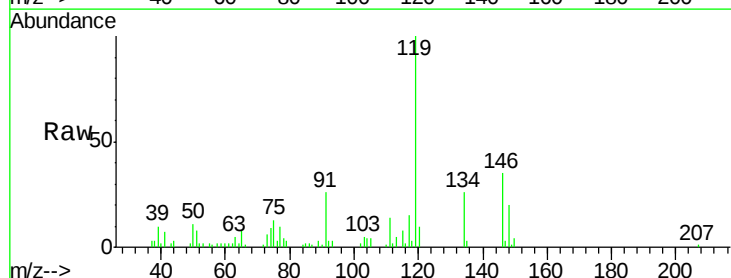
Manual Integrations
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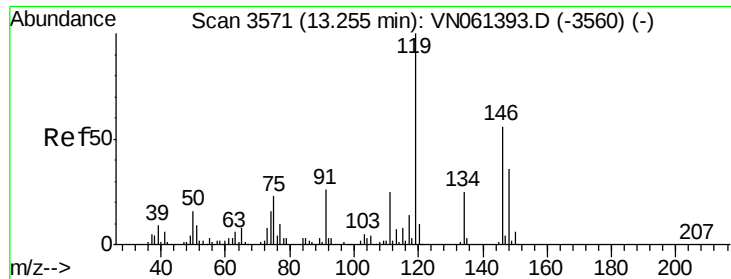
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#82
 p-Isopropyltoluene
 Concen: 4.603 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	23184		
134	25.4	0.0	50.8	
91	25.8	0.0	49.4	





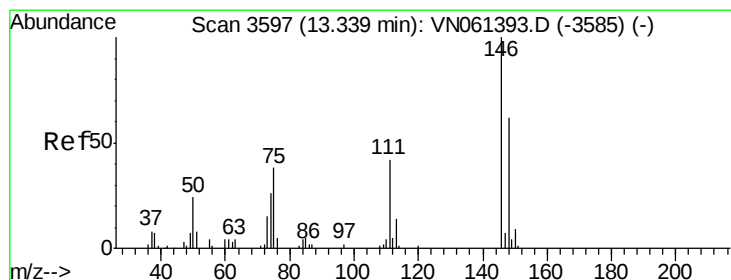
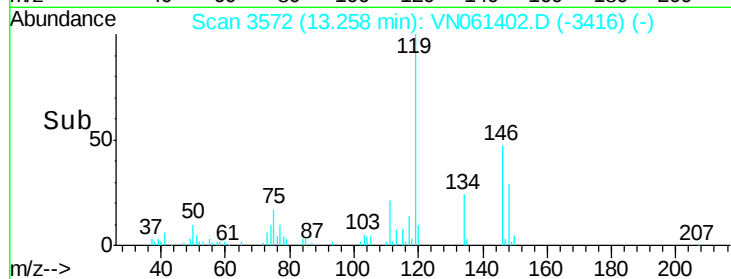
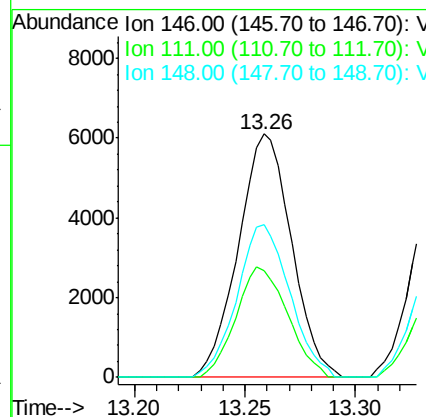
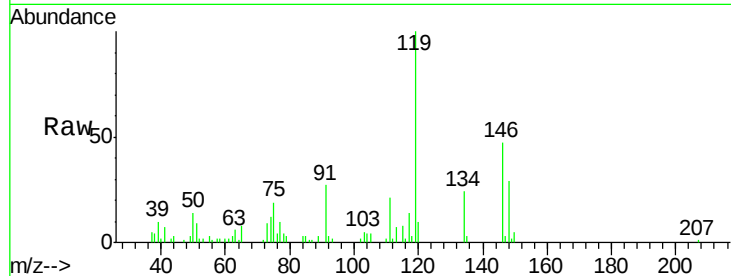
#83
 1,3-Dichlorobenzene
 Concen: 4.546 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.0	63.0
148	62.2	31.7	95.1

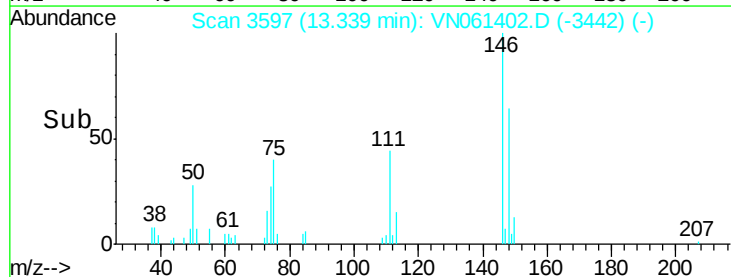
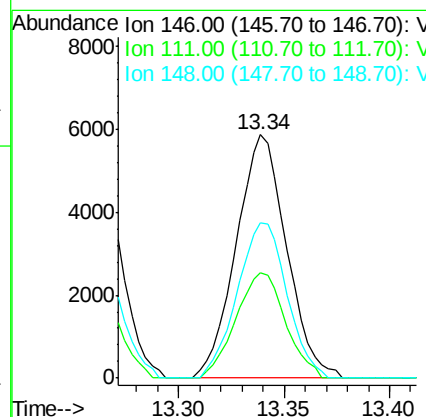
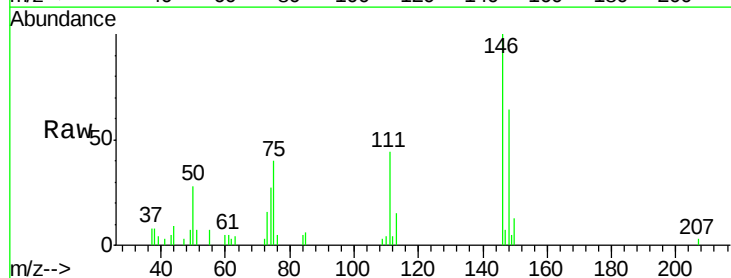
Manual Integrations
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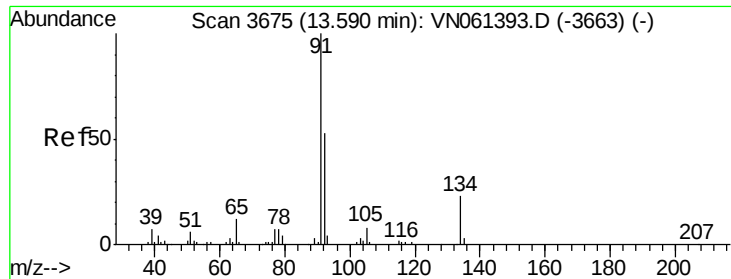
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#84
 1,4-Dichlorobenzene
 Concen: 4.373 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	19.8	59.4
148	63.0	31.6	94.8





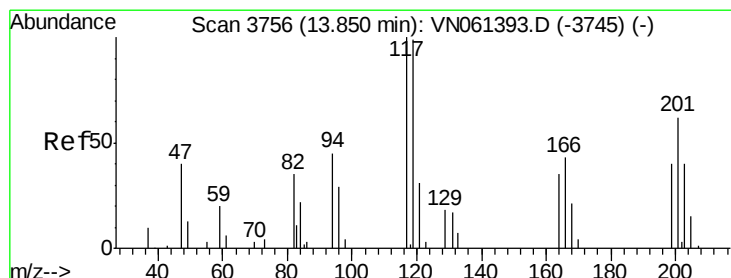
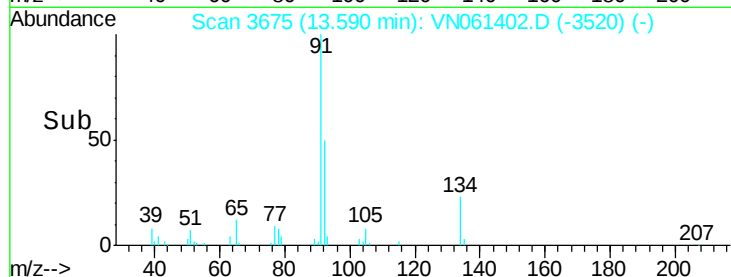
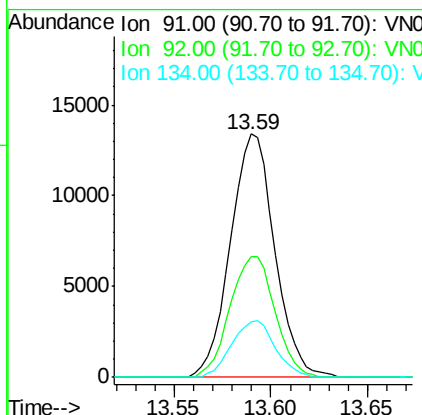
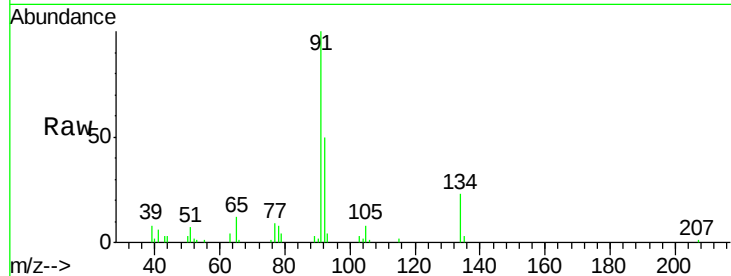
#85
n-Butylbenzene
Concen: 4.575 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	0.0	102.8
134	22.9	0.0	48.6

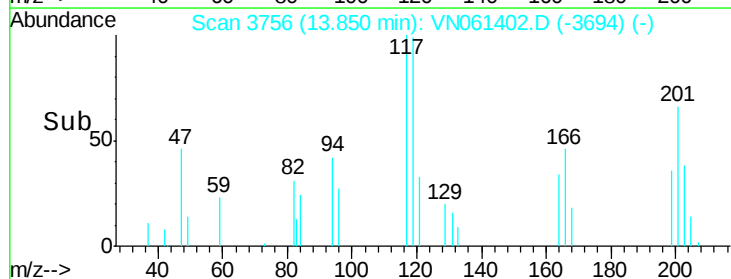
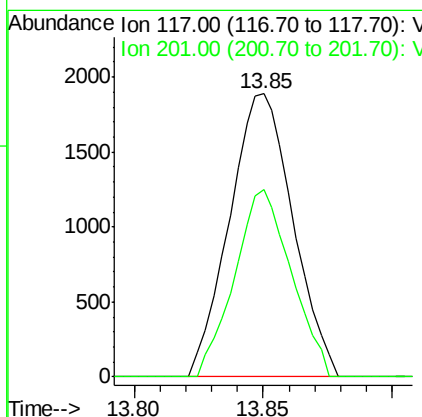
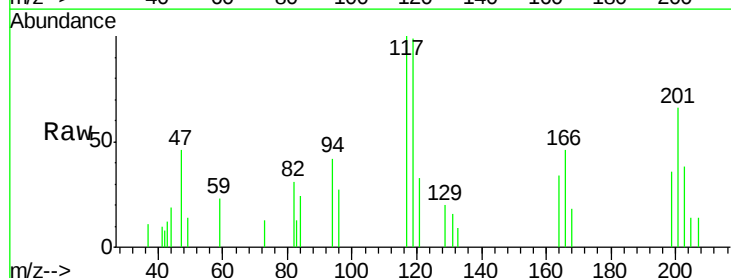
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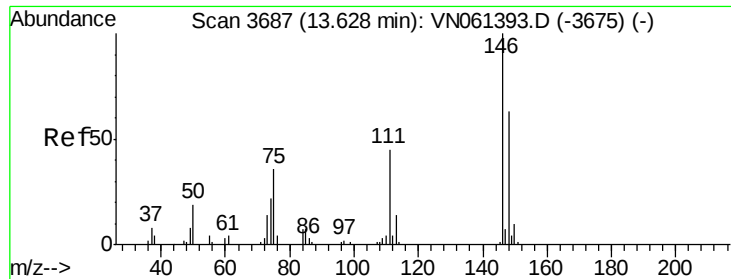
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#86
Hexachloroethane
Concen: 4.612 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	59.3	38.7	116.1





#87

1,2-Dichlorobenzene

Concen: 4.632 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN061402.D

Acq: 14 May 2020 19:16

Instrument :

MSVOA_N

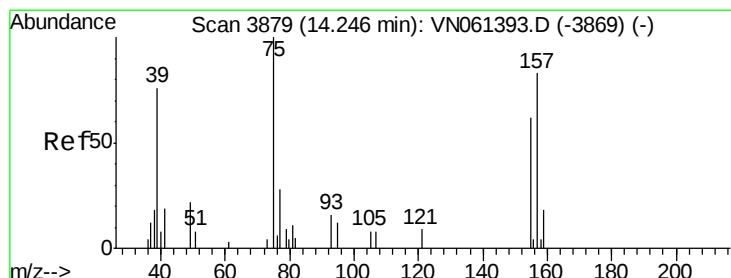
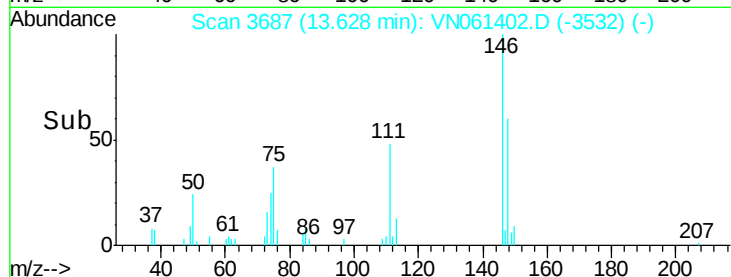
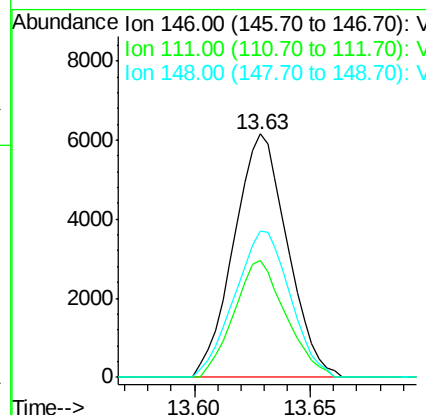
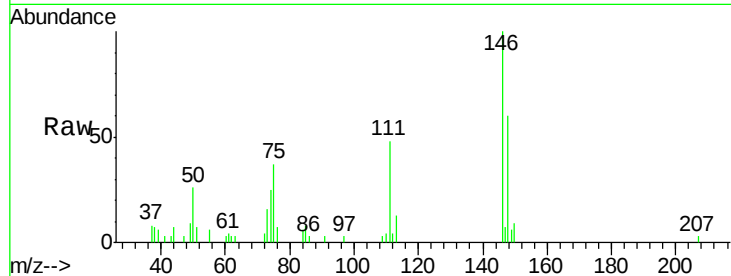
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	146	Resp:	9879
Ion	Ratio	Lower	Upper
146	100		
111	46.3	21.8	65.4
148	62.3	32.1	96.5

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#88

1,2-Dibromo-3-Chloropropane

Concen: 4.243 ug/l

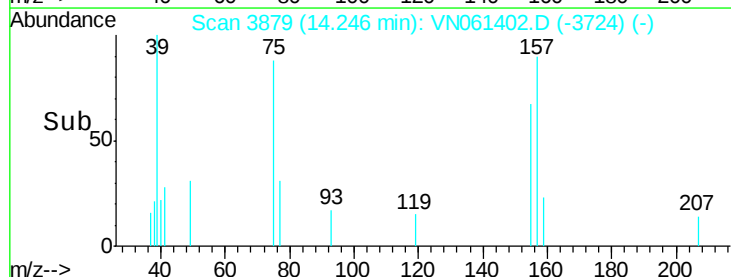
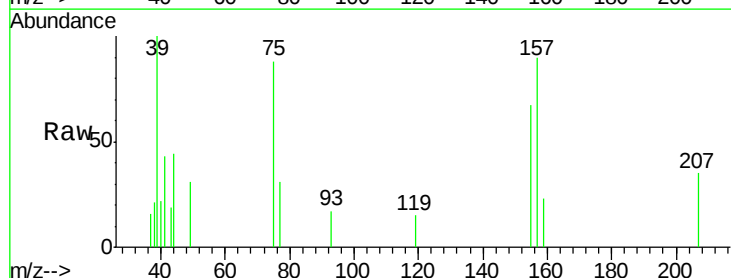
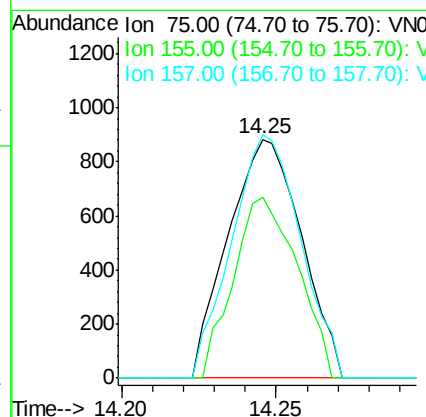
RT: 14.25 min Scan# 3879

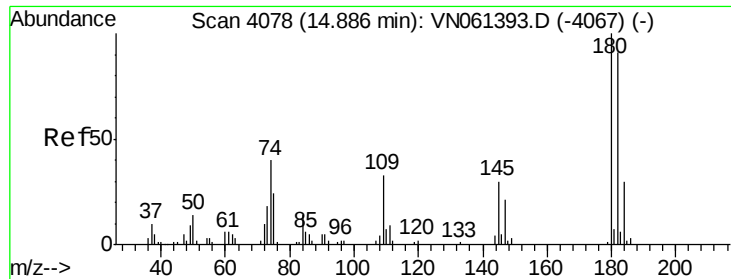
Delta R.T. -0.00 min

Lab File: VN061402.D

Acq: 14 May 2020 19:16

Tgt Ion:	75	Resp:	1455
Ion	Ratio	Lower	Upper
75	100		
155	66.3	58.3	87.5
157	95.9	75.0	112.6





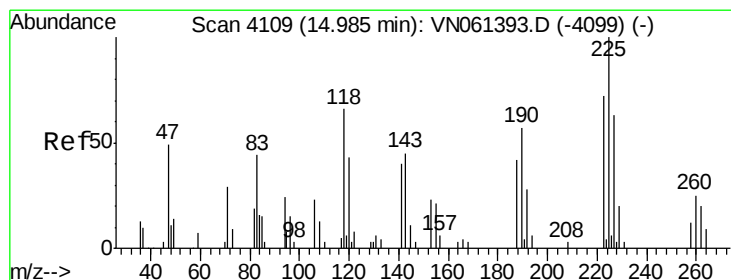
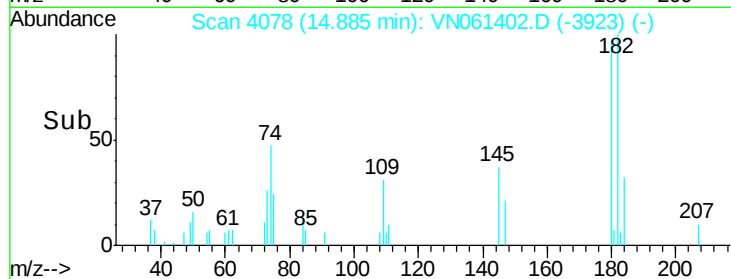
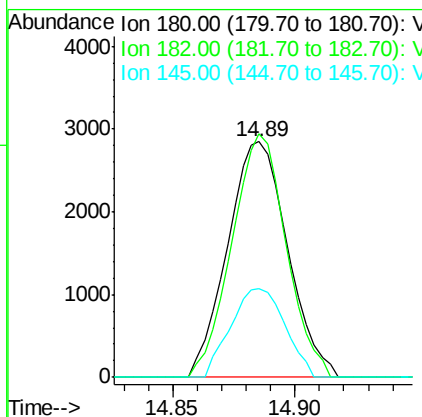
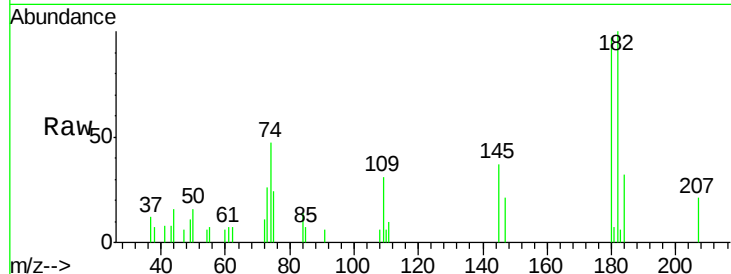
#89
 1,2,4-Trichlorobenzene
 Concen: 3.977 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. -0.00 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	75.3	112.9
145	33.9	24.8	37.2

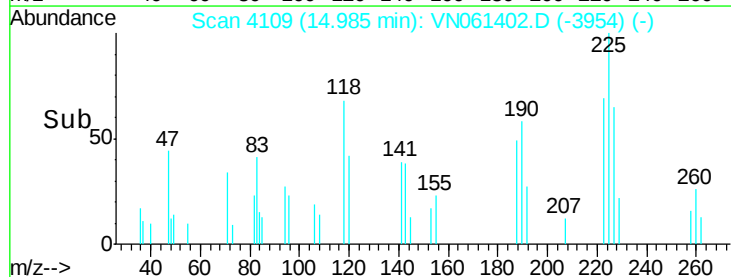
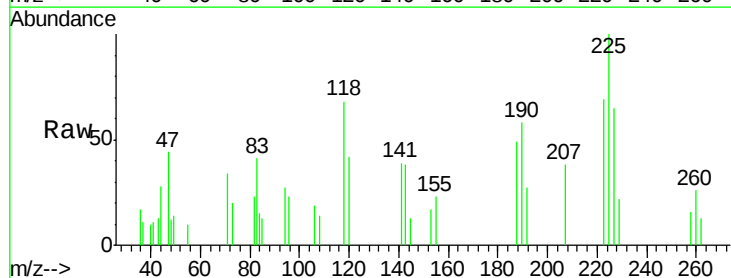
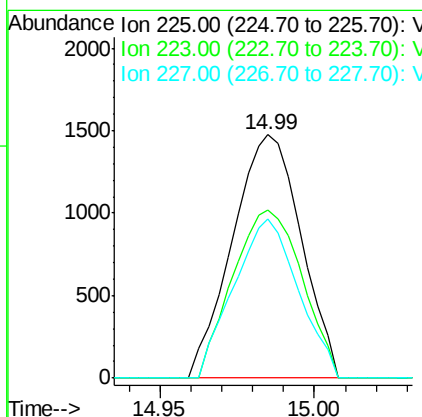
Manual Integrations
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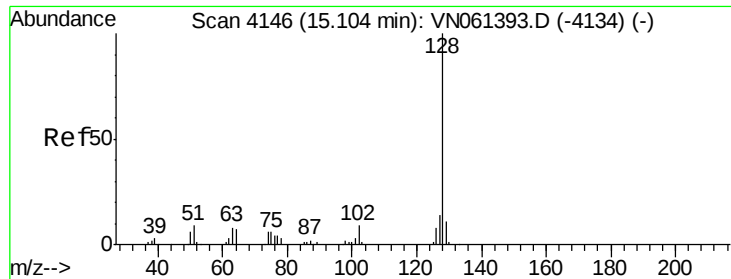
MMDadoda
 5/15/2020 2:11:06 PM



#90
 Hexachlorobutadiene
 Concen: 4.562 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN061402.D
 Acq: 14 May 2020 19:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	69.8	0.0	126.2
227	61.4	0.0	127.0





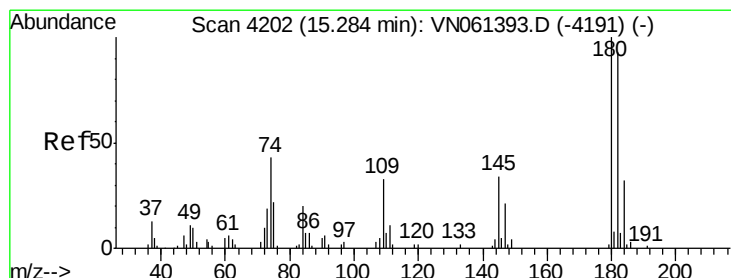
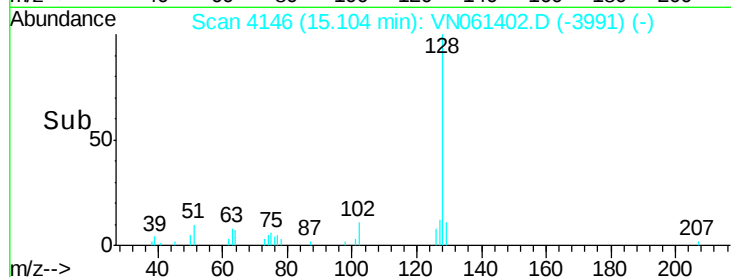
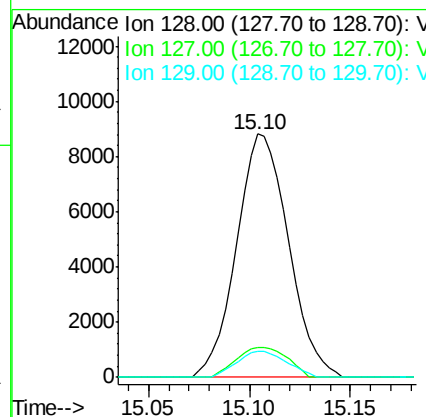
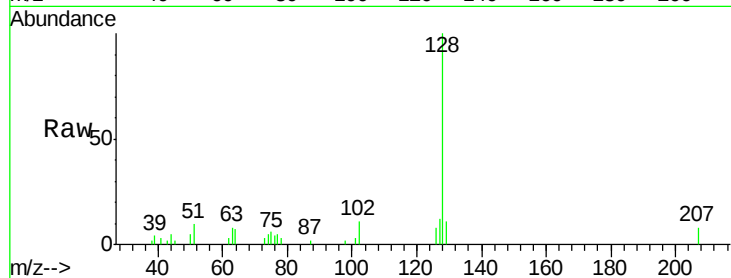
#91
Naphthalene
Concen: 4.121 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.2	15.2
129	10.4	8.6	13.0

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 4.238 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061402.D
Acq: 14 May 2020 19:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.4	0.0	193.4
145	34.4	0.0	65.8

