

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071320\
 Data File : VN062515.D
 Acq On : 13 Jul 2020 14:46
 Operator : JC/MD
 Sample : L3216-08 5.0PPB LOO
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:36:54 AM

Quant Time: Jul 14 01:16:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jul 14 00:52:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	41500	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	229470	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	208407	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	105737	29.66	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.87%
60) 4-Bromofluorobenzene	12.38	95	99730	28.12	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.73%
63) Toluene-d8	10.06	98	298917	30.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	11751	4.797 ug/l	97
3) Chloromethane	2.04	50	18720	5.293 ug/l	99
4) Vinyl Chloride	2.16	62	15903	5.144 ug/l	95
5) Bromomethane	2.53	94	7921	5.164 ug/l	86
6) Chloroethane	2.67	64	7848	5.156 ug/l	90
7) Trichlorofluoromethane	2.98	101	19392	5.352 ug/l	95
8) Diethyl Ether	3.37	74	9188	5.275 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	12468	5.323 ug/l	95
10) 1,1-Dichloroethene	3.70	96	12807	5.359 ug/l	91
11) Methyl Iodide	3.91	142	12448	4.253 ug/l	94
12) Methyl Acetate	4.28	43	17113	5.339 ug/l	94
13) Acrolein	3.57	56	9593	20.033 ug/l	92
14) Acrylonitrile	4.93	53	38545	25.859 ug/l	97
15) Acetone	3.77	58	10753	23.500 ug/l	86
16) Carbon Disulfide	4.01	76	40953	5.259 ug/l	100
17) Allyl chloride	4.27	41	27355	5.382 ug/l	95
18) Methylene Chloride	4.50	84	17263m	5.871 ug/l	
19) trans-1,2-Dichloroethene	4.99	96	14359	5.429 ug/l	89
20) Diisopropyl ether	5.91	45	55610	5.322 ug/l	91
21) 1,1-Dichloroethane	5.80	63	29292	5.303 ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	15849	5.313 ug/l	99
23) tert-Butyl Alcohol	4.73	59	14746	29.560 ug/l	# 100
24) Methyl tert-Butyl Ether	5.00	73	45017	5.109 ug/l	95
25) Chloroform	7.33	83	27194	5.368 ug/l	100
26) Cyclohexane	7.61	56	25748	5.289 ug/l	# 94
29) 1,1-Dichloropropene	7.75	75	20252	5.203 ug/l	98
30) 2-Butanone	6.79	43	54212	26.262 ug/l	99
31) 2,2-Dichloropropane	6.77	77	24294	5.535 ug/l	# 88
32) 1,1,1-Trichloroethane	7.53	97	22984	5.494 ug/l	97
33) Carbon Tetrachloride	7.73	117	19006	5.241 ug/l	93
34) Benzene	8.00	78	63162	5.462 ug/l	# 68
35) Methacrylonitrile	7.13	41	9462	5.218 ug/l	98
36) 1,2-Dichloroethane	8.08	62	22807	5.487 ug/l	99
37) Trichloroethene	8.80	130	13954	5.372 ug/l	91
38) Methylcyclohexane	9.05	83	22015	5.042 ug/l	96
39) 1,2-Dichloropropane	9.09	63	17523	5.319 ug/l	98
40) Dibromomethane	9.18	93	10464	5.511 ug/l	98

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	21381	5.309	ug/l	96
42) Vinyl Acetate	5.84	43	223356	26.038	ug/l #	90
43) Ethyl Acetate	6.89	43	19329	4.657	ug/l #	88
44) Isopropyl Acetate	8.13	43	37472	5.381	ug/l	99
45) 1,4-Dioxane	9.17	88	5296	111.185	ug/l	94
46) Methyl methacrylate	9.17	41	16866	5.106	ug/l	96
47) n-amyl Acetate	12.05	43	25563	4.355	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	24174	5.147	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	25902	5.109	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	14554	5.469	ug/l	97
51) Ethyl methacrylate	10.40	69	21630	4.827	ug/l	97
52) 1,3-Dichloropropane	10.68	76	26862	5.500	ug/l	99
53) Dibromochloromethane	10.88	129	14531	5.011	ug/l	95
54) 1,2-Dibromoethane	10.98	107	14472	5.313	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	34855	24.355	ug/l	98
56) Bromoform	12.10	173	9826	4.961	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	109213	26.897	ug/l	99
59) 2-Hexanone	10.72	43	77140	25.904	ug/l	98
61) Tetrachloroethene	10.60	164	11816	5.536	ug/l	91
62) Toluene	10.13	91	64904	5.490	ug/l	99
64) Chlorobenzene	11.41	112	37029	5.330	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	13619	5.296	ug/l	98
66) Ethyl Benzene	11.48	91	67652	5.167	ug/l	98
67) m/p-Xylenes	11.60	106	48839	10.277	ug/l	97
68) o-Xylene	11.92	106	23001	5.043	ug/l	98
69) Styrene	11.94	104	36328	4.693	ug/l	98
70) Isopropylbenzene	12.22	105	62983	5.145	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	21826	5.516	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	22478m	5.840	ug/l	
73) Bromobenzene	12.50	156	14748	5.202	ug/l	99
74) n-propylbenzene	12.56	91	71772	4.932	ug/l	99
75) 2-Chlorotoluene	12.65	91	44674	5.099	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	52213	5.005	ug/l	97
77) t-1,4-Dichloro-2-butene	12.28	75	6516	4.527	ug/l	94
78) 4-Chlorotoluene	12.75	91	43981	4.919	ug/l	98
79) tert-butylbenzene	12.97	119	43324	5.016	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	49089	4.785	ug/l	98
81) sec-Butylbenzene	13.15	105	56644	4.883	ug/l	99
82) p-Isopropyltoluene	13.26	119	47740	4.664	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	23813	4.836	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	22517	4.634	ug/l	97
85) n-Butylbenzene	13.59	91	36922	4.205	ug/l	99
86) Hexachloroethane	13.85	117	9838	4.981	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	22622	4.778	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	3593	4.808	ug/l	99
89) 1,2,4-Trichlorobenzene	14.89	180	8474	3.595	ug/l	94
90) Hexachlorobutadiene	14.98	225	6696	5.122	ug/l	95
91) Naphthalene	15.11	128	22254	3.482	ug/l	98
92) 1,2,3-Trichlorobenzene	15.29	180	9214	3.878	ug/l	98

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ClientSampleId :
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QLast Update : Tue Jul 14 00:52:57 2020
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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

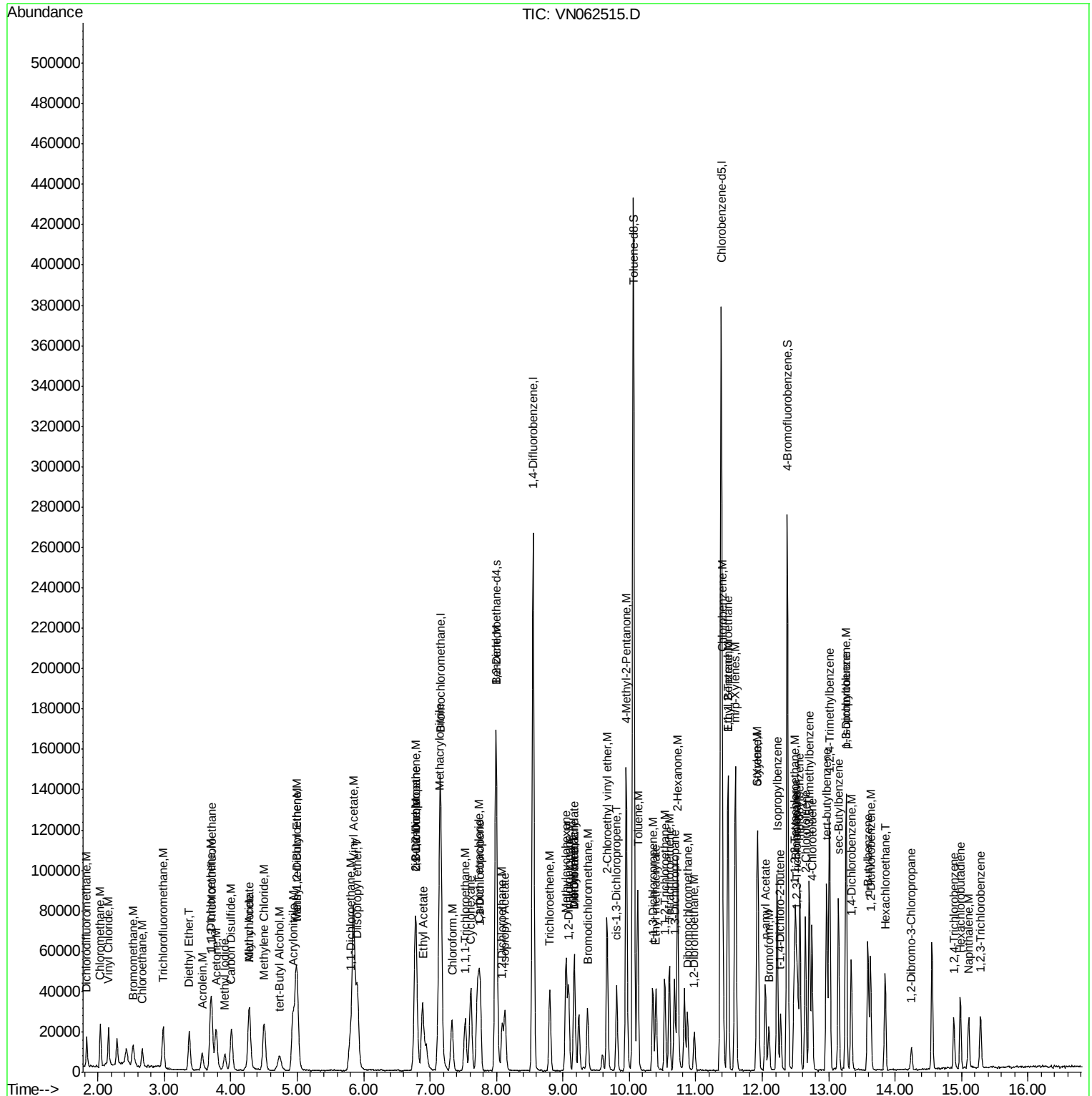
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071320\
Data File : VN062515.D
Acq On : 13 Jul 2020 14:46
Operator : JC/MD
Sample : L3216-08 5.0PPB L00
Misc : 5.00mL/MSVOA N/WATER
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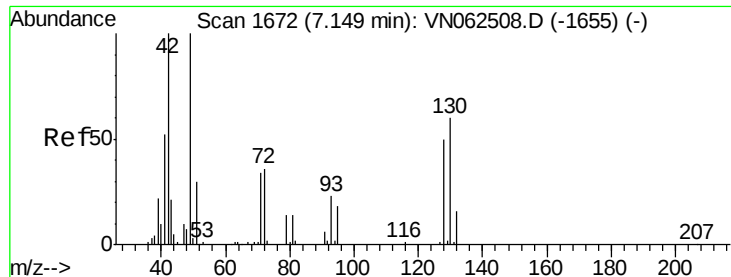
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Manual Integrations
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MMDadoda
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN062515.D

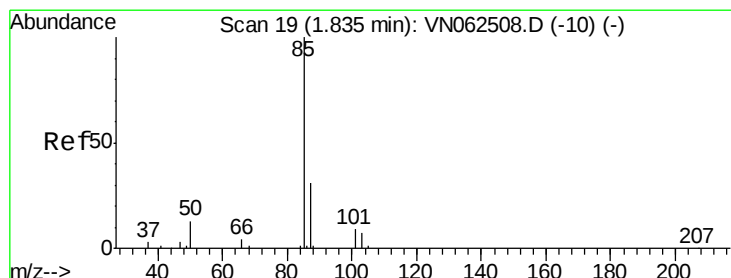
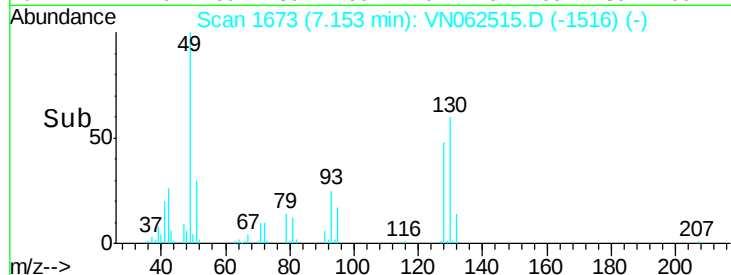
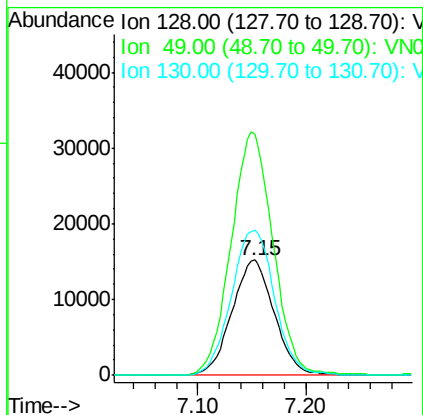
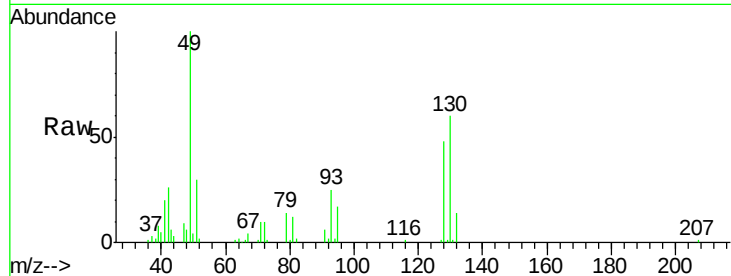
Acq: 13 Jul 2020 14:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
128	100		
49	209.2	0.0	525.0
130	129.0	0.0	319.8

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 4.797 ug/l

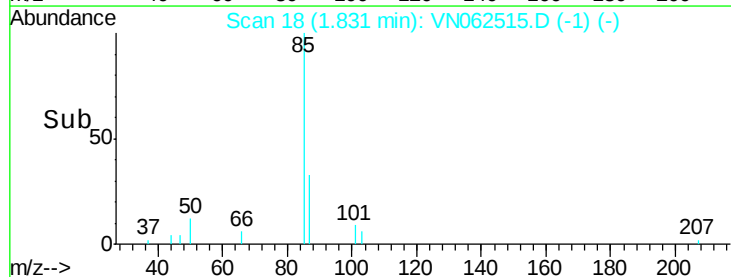
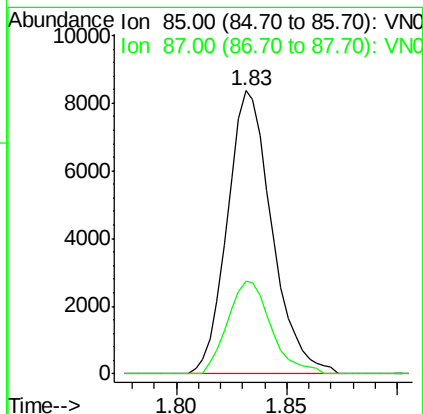
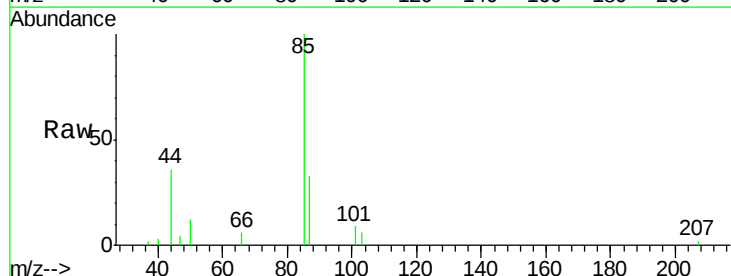
RT: 1.83 min Scan# 18

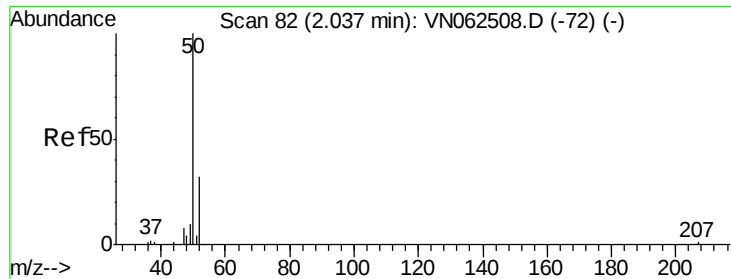
Delta R.T. -0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.6	46.7





#3

Chloromethane

Concen: 5.293 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 50 Resp: 18720

Ion Ratio Lower Upper

50 100

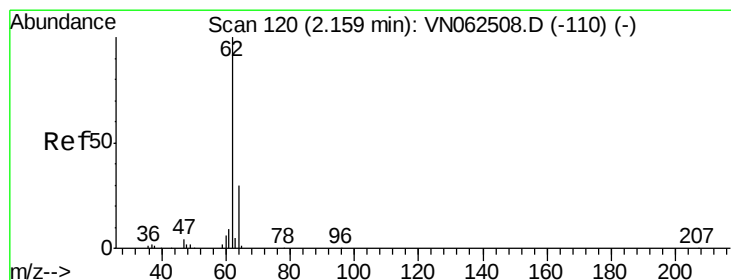
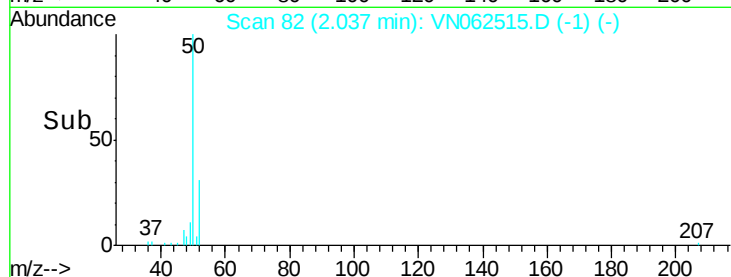
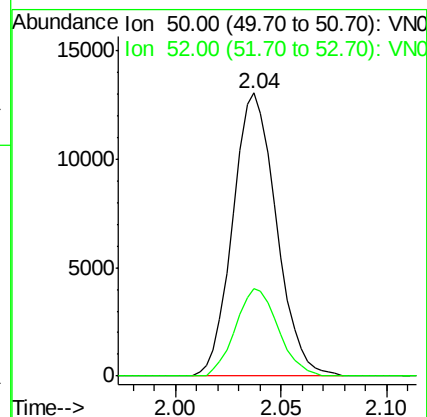
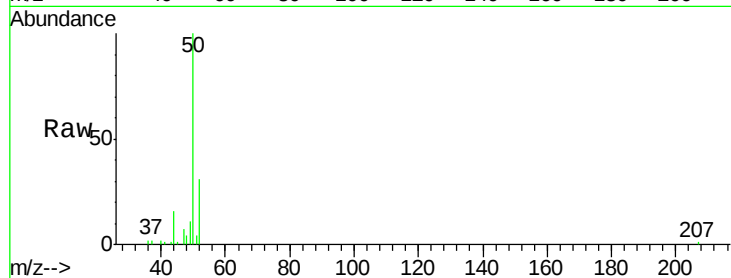
52 31.0 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.144 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062515.D

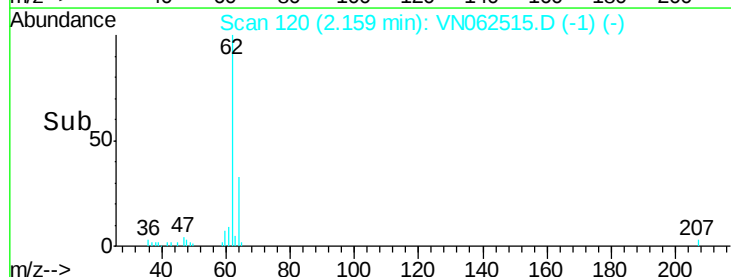
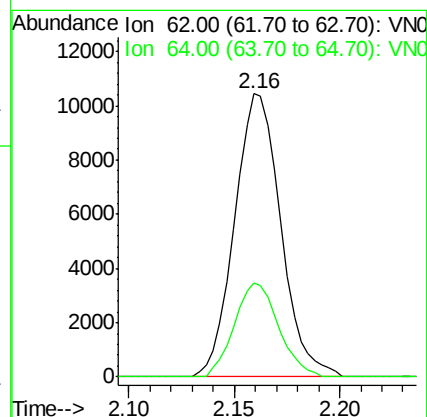
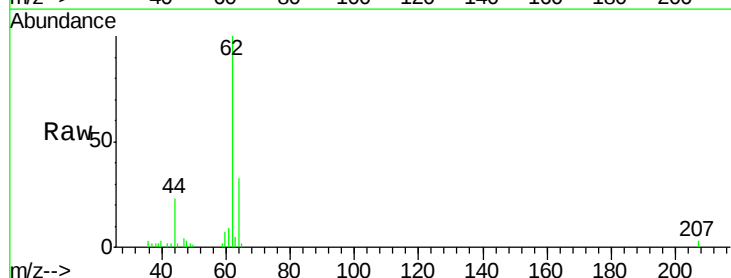
Acq: 13 Jul 2020 14:46

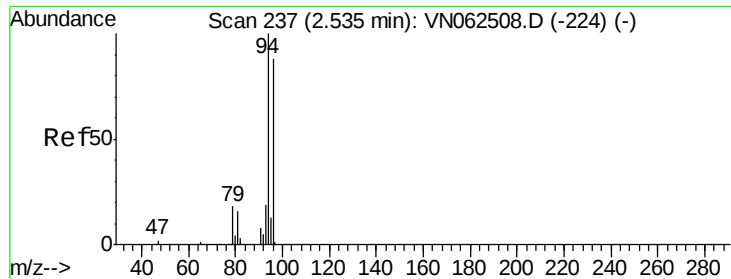
Tgt Ion: 62 Resp: 15903

Ion Ratio Lower Upper

62 100

64 33.1 24.3 36.5





#5

Bromomethane

Concen: 5.164 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 94 Resp: 7921

Ion Ratio Lower Upper

94 100

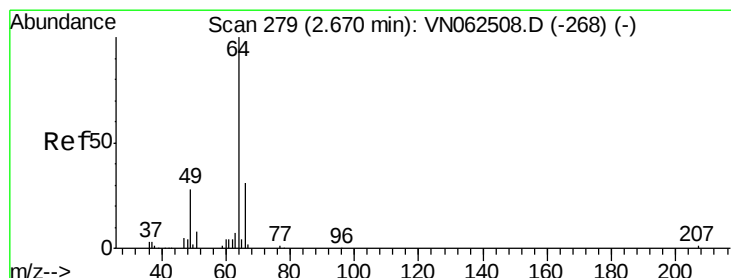
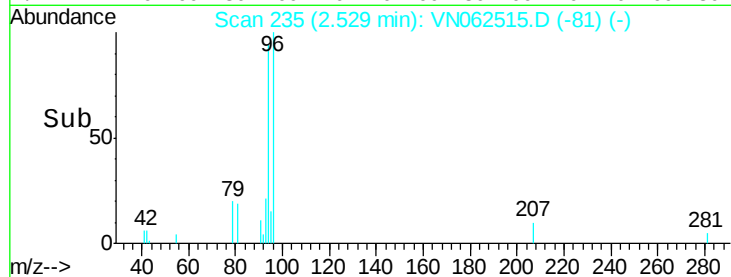
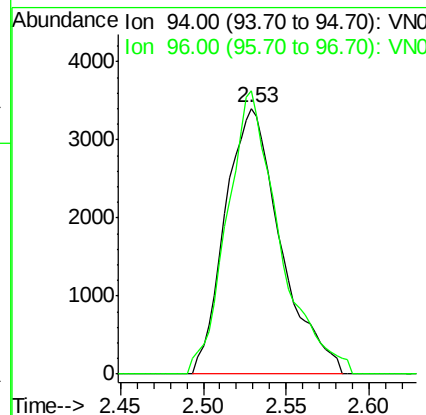
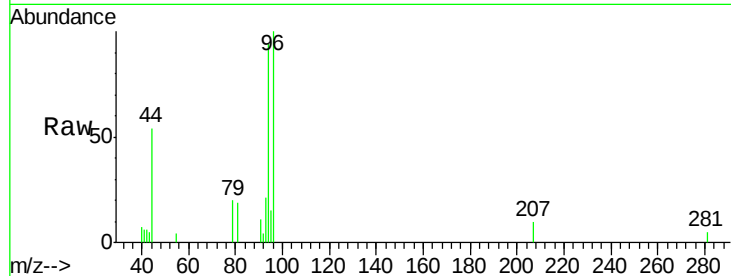
96 100.6 70.2 105.4

Manual Integrations

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#6

Chloroethane

Concen: 5.156 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN062515.D

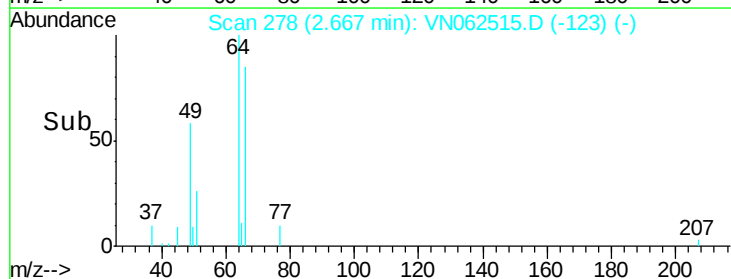
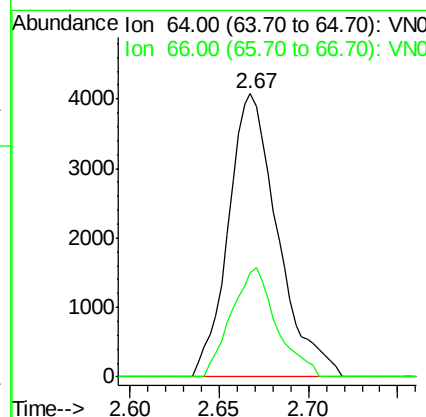
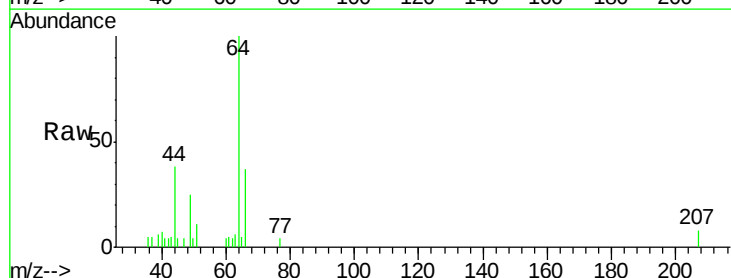
Acq: 13 Jul 2020 14:46

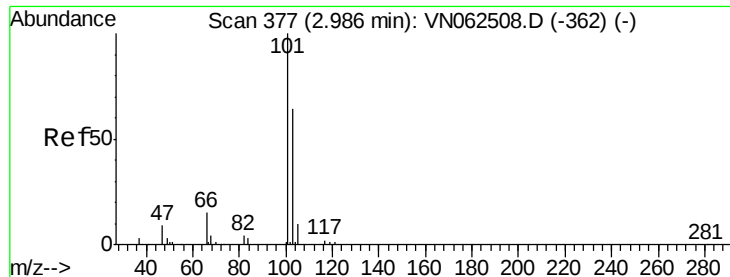
Tgt Ion: 64 Resp: 7848

Ion Ratio Lower Upper

64 100

66 36.9 24.9 37.3





#7

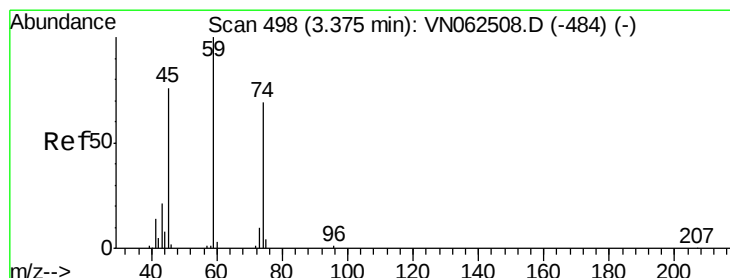
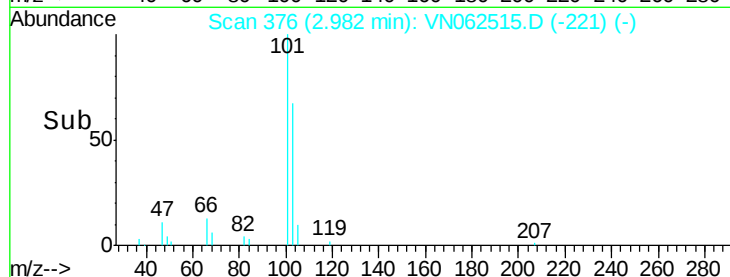
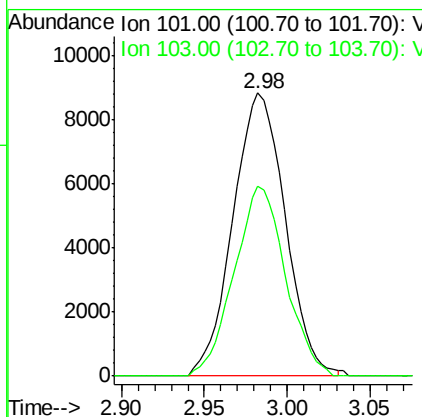
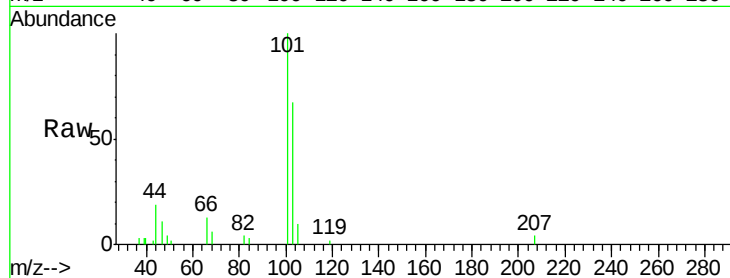
Trichlorofluoromethane
 Concen: 5.352 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. -0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.2	50.9	76.3

Manual Integrations
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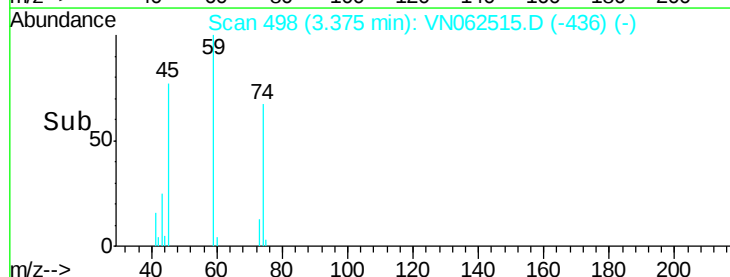
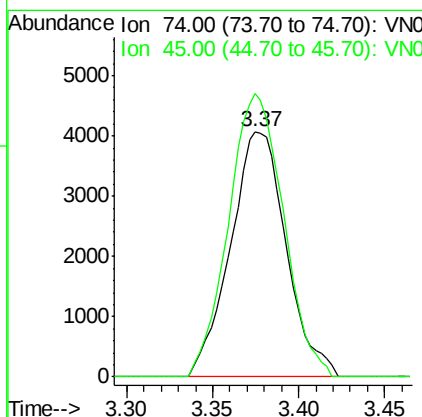
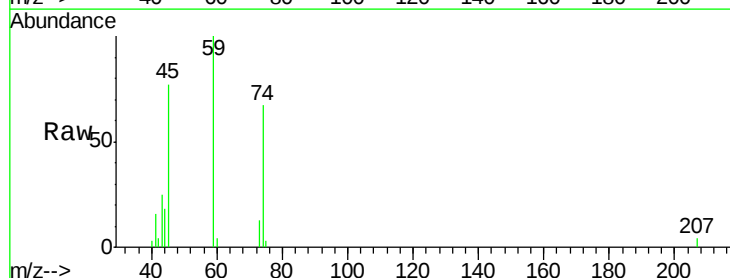
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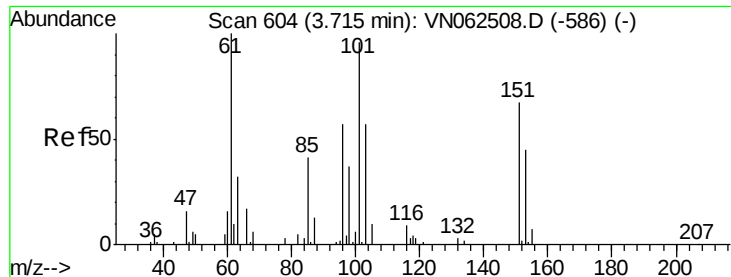


#8

Diethyl Ether
 Concen: 5.275 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.8	21.8	196.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.323 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

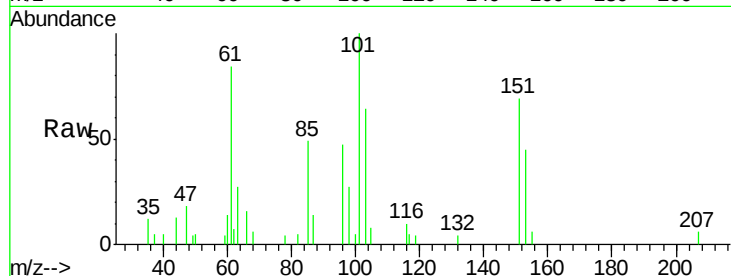
ClientSampleId :

LOQ-WATER-02-QT3-2020

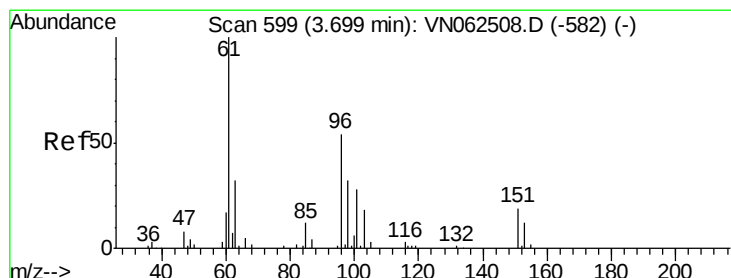
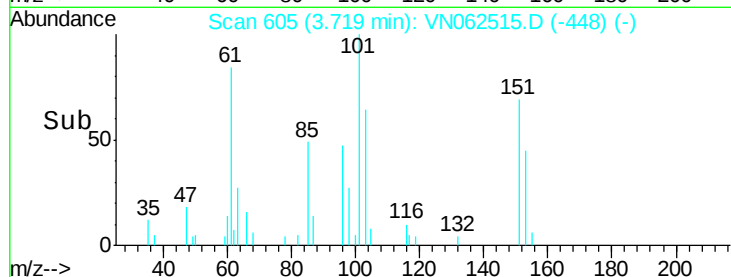
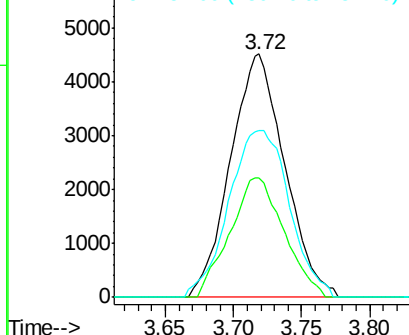
Tot Ion:	101	Resp:	12468
Ion Ratio	Lower	Upper	
101	100		
85	48.9	0.0	90.4
151	76.7	0.0	145.6

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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VNO
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 5.359 ug/l

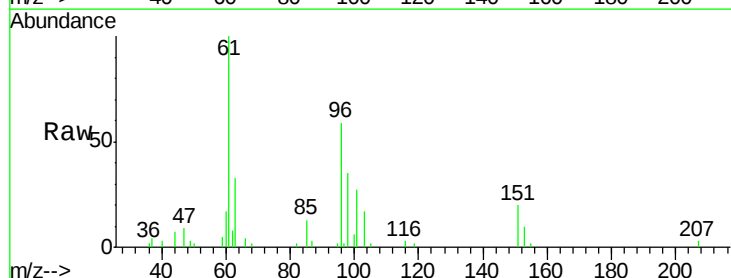
RT: 3.70 min Scan# 598

Delta R.T. -0.00 min

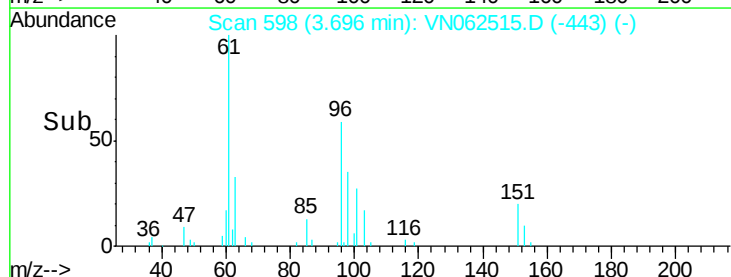
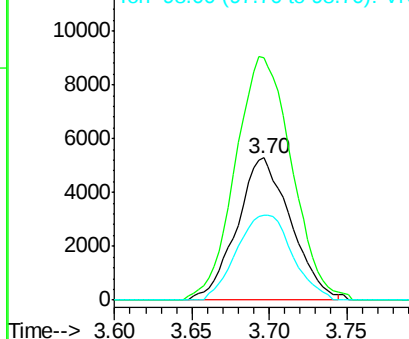
Lab File: VN062515.D

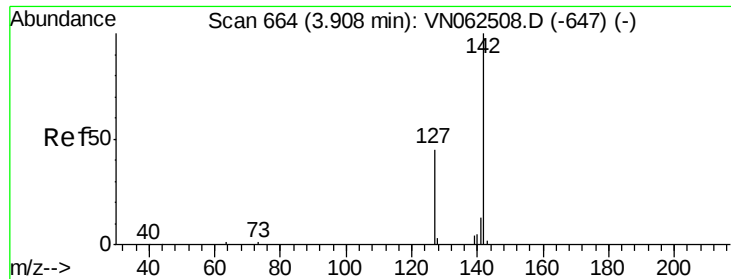
Acq: 13 Jul 2020 14:46

Tgt Ion:	96	Resp:	12807
Ion Ratio	Lower	Upper	
96	100		
61	167.7	147.8	221.8
98	59.9	47.8	71.8



Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





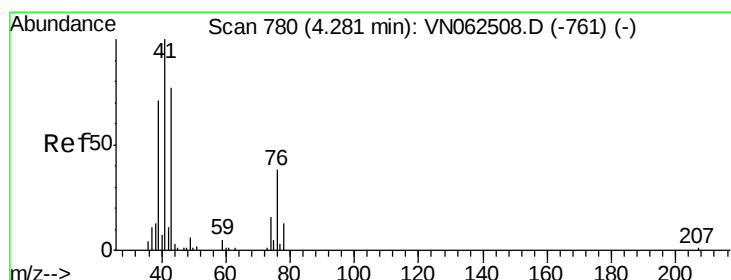
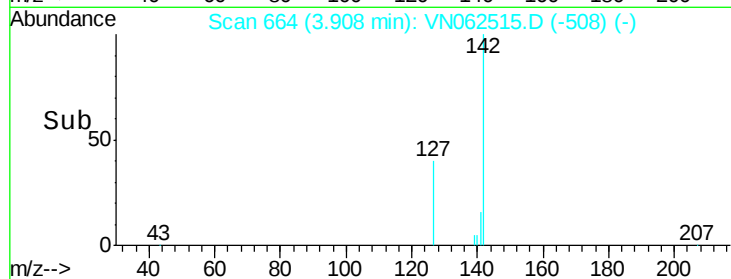
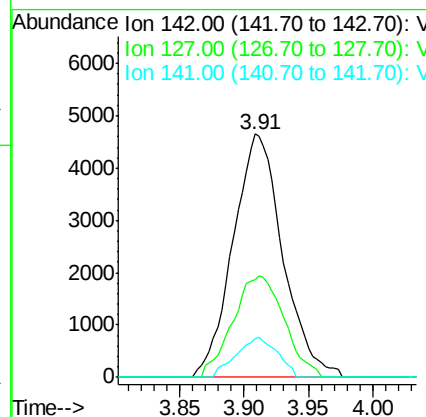
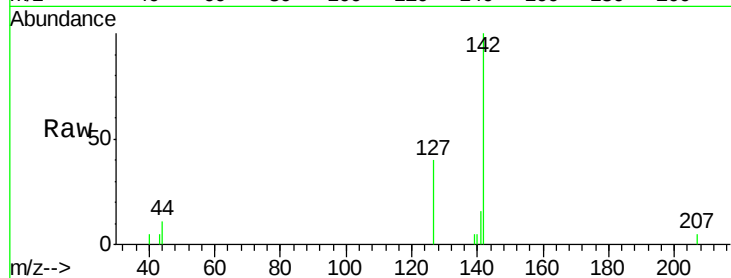
#11
Methvl Iodide
Concen: 4.253 ug/l
RT: 3.91 min Scan# 664
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.3	22.1	66.5
141	15.9	6.5	19.4

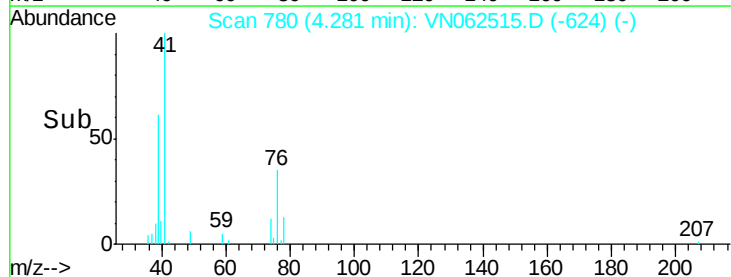
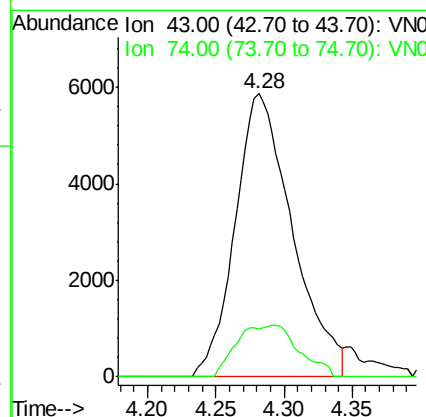
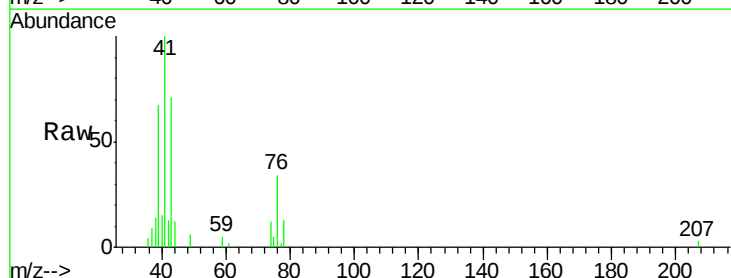
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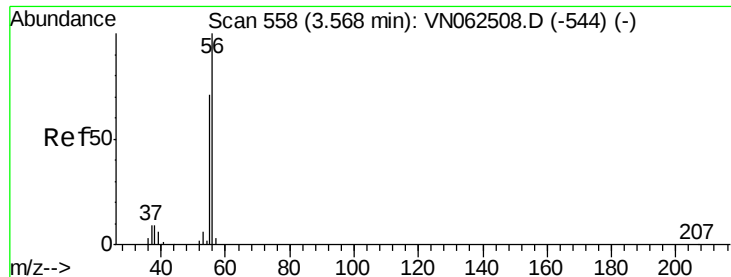
MMDadoda
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#12
Methyl Acetate
Concen: 5.339 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.9	16.7	25.1





#13

Acrolein

Concen: 20.033 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 56 Resp: 9593

Ion Ratio Lower Upper

56 100

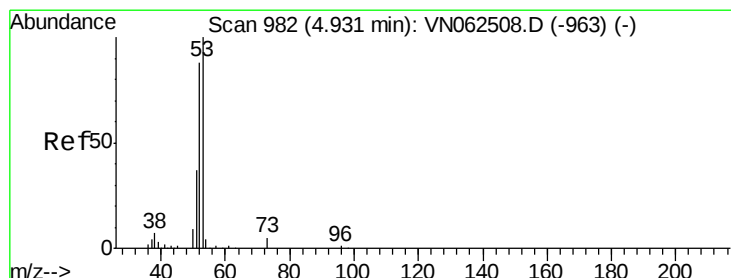
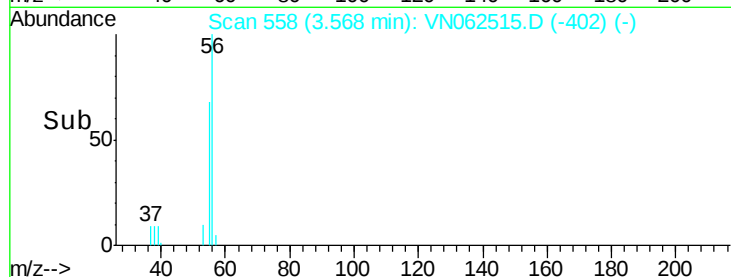
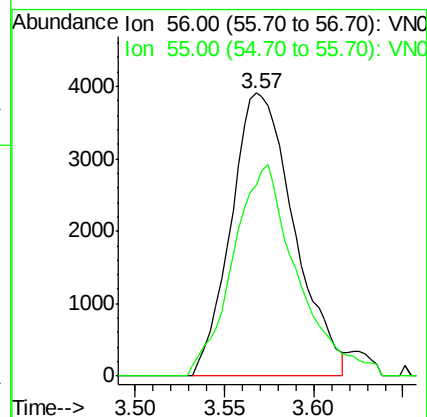
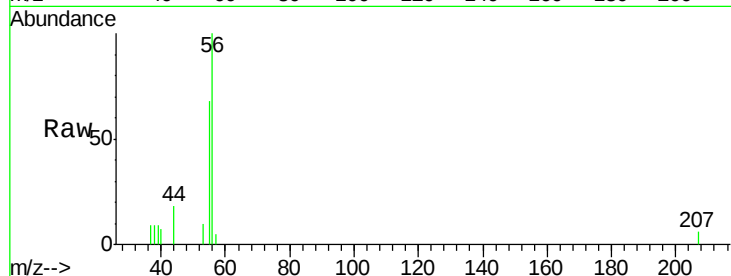
55 76.4 56.0 84.0

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#14

Acrylonitrile

Concen: 25.859 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

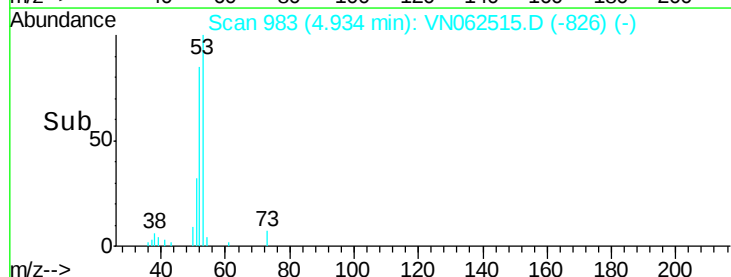
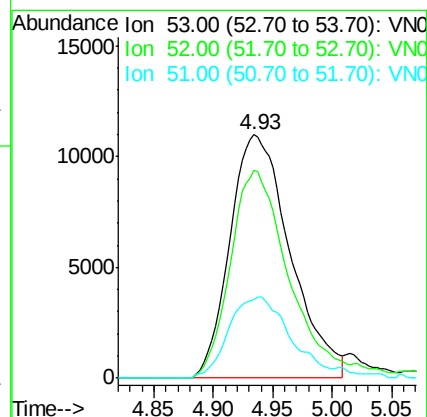
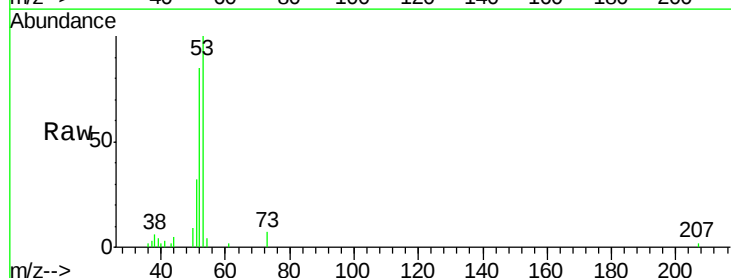
Tgt Ion: 53 Resp: 38545

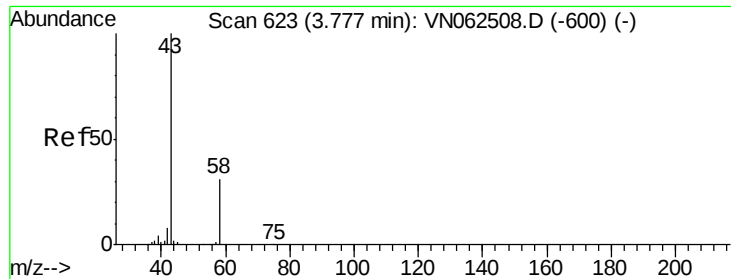
Ion Ratio Lower Upper

53 100

52 81.9 41.8 125.4

51 33.7 18.5 55.5





#15

Acetone

Concen: 23.500 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 58 Resp: 10753

Ion Ratio Lower Upper

58 100

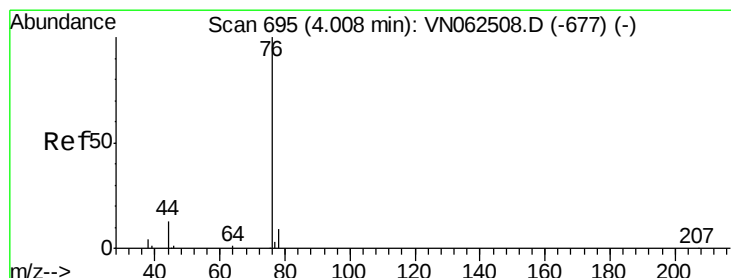
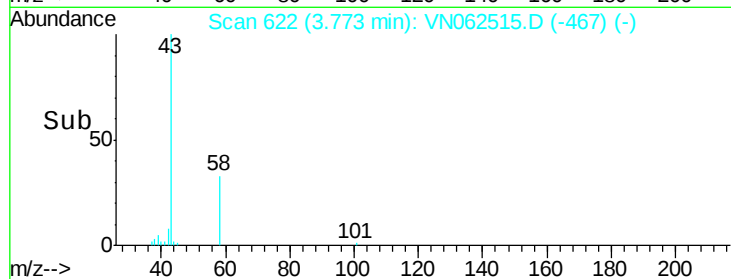
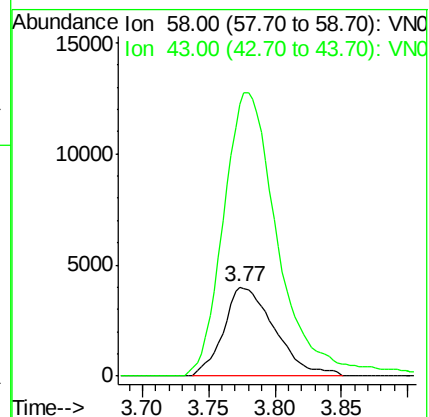
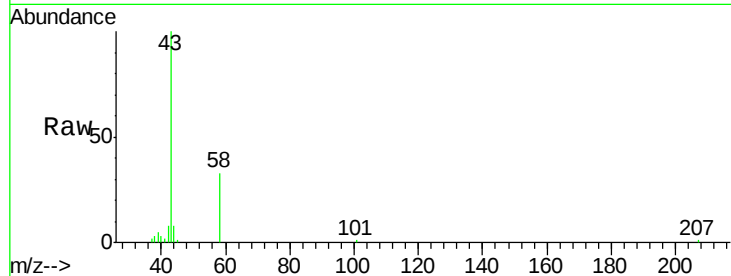
43 297.8 261.1 391.7

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#16

Carbon Disulfide

Concen: 5.259 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062515.D

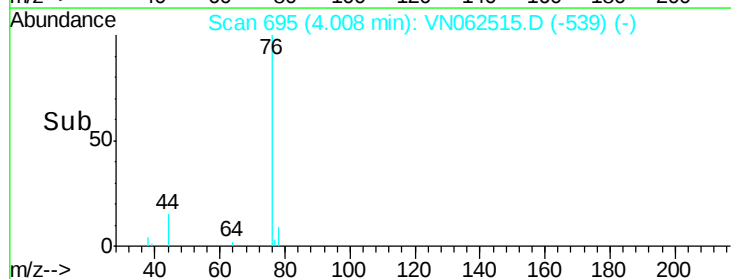
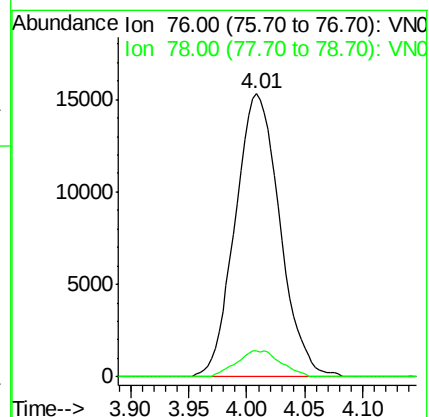
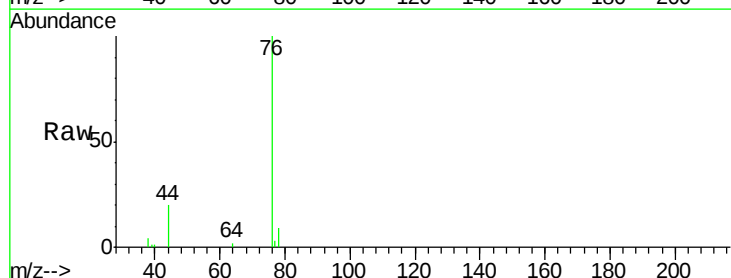
Acq: 13 Jul 2020 14:46

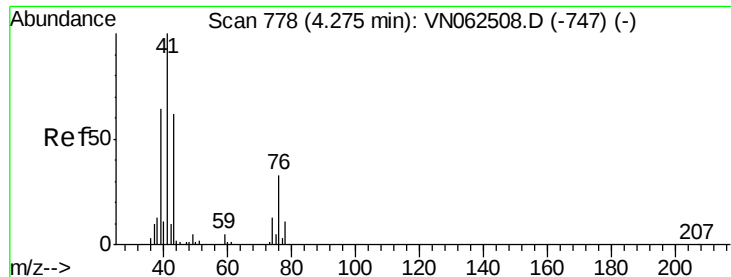
Tgt Ion: 76 Resp: 40953

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#17

Allvl chloride

Concen: 5.382 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

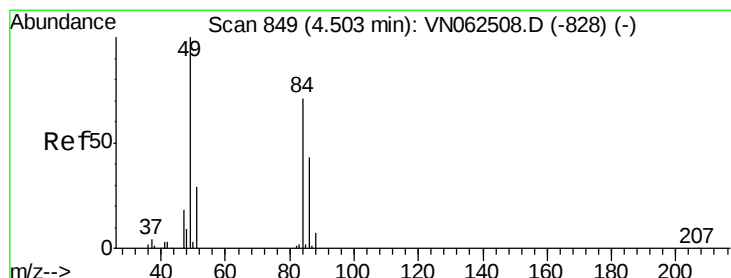
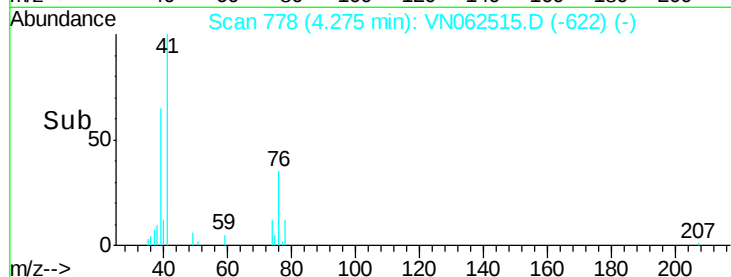
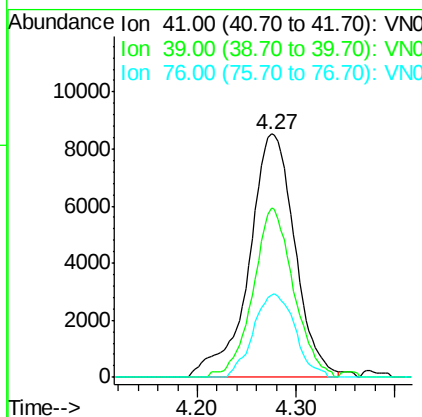
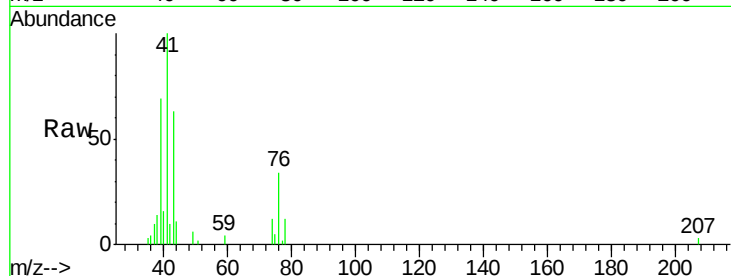
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:	41	Resp:	27355
Ion Ratio		Lower	Upper
41	100		
39	69.4	31.9	95.5
76	34.0	16.6	49.8

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#18

Methylene Chloride

Concen: 5.871 ug/l m

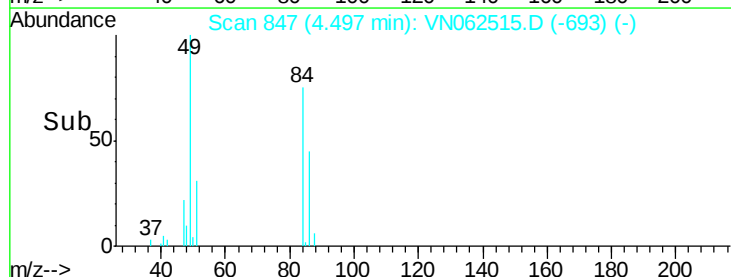
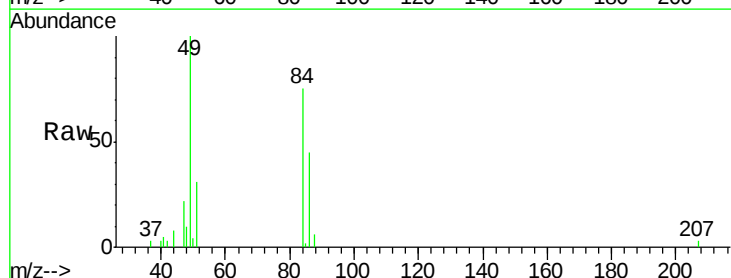
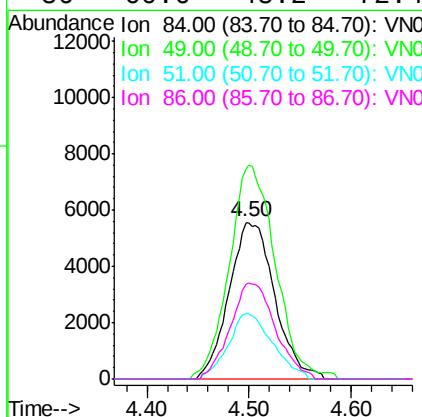
RT: 4.50 min Scan# 847

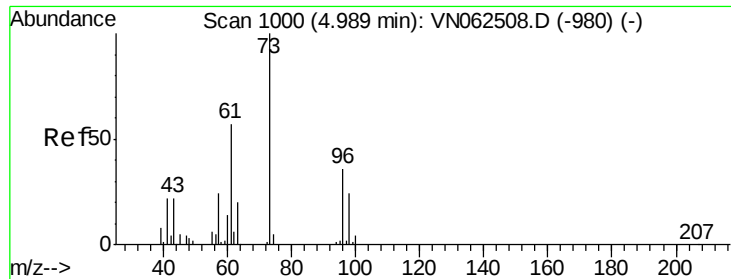
Delta R.T. -0.01 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Tgt Ion:	84	Resp:	17263
Ion Ratio		Lower	Upper
84	100		
49	133.9	112.1	168.1
51	41.8	33.0	49.4
86	60.6	48.2	72.4





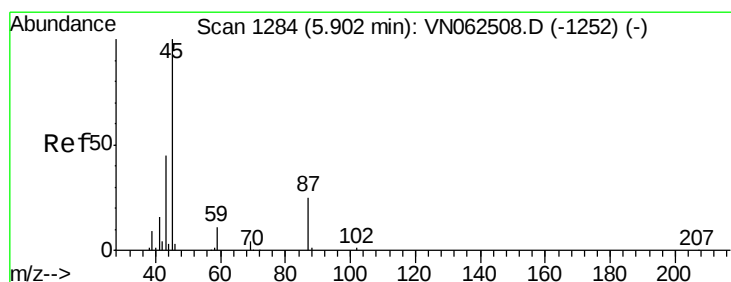
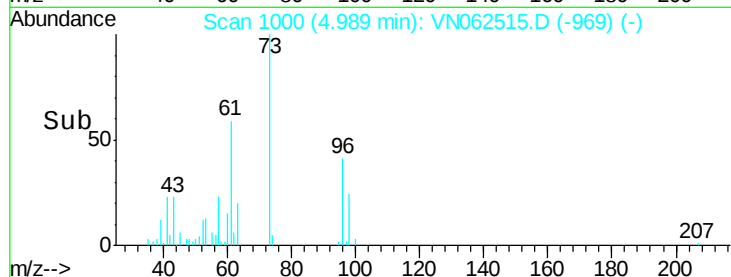
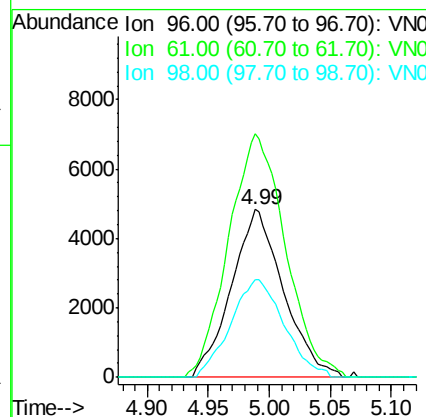
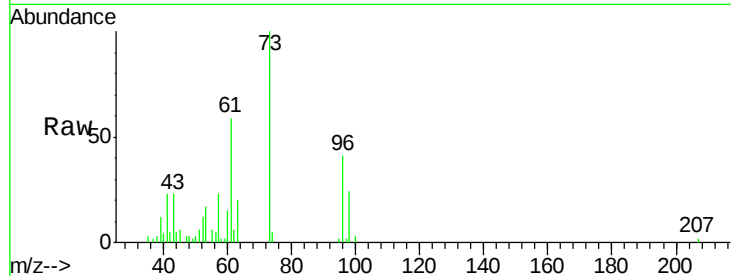
#19
trans-1,2-Dichloroethene
Concen: 5.429 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.0	125.7	188.5
98	58.7	54.1	81.1

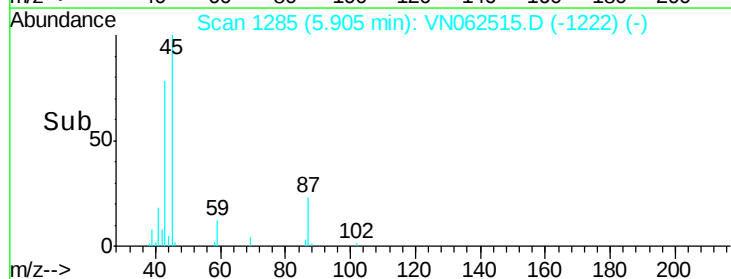
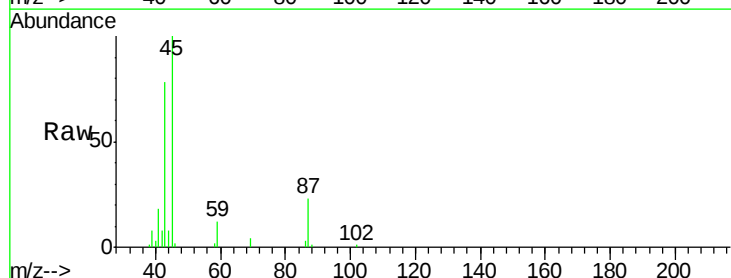
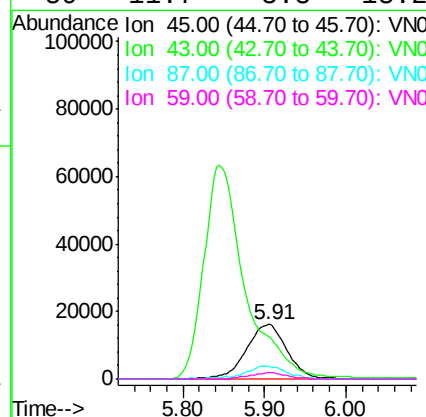
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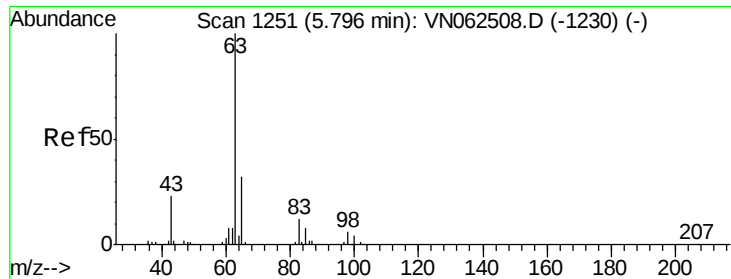
MMDadoda
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#20
Diisopropyl ether
Concen: 5.322 ug/l
RT: 5.91 min Scan# 1285
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	73.3	51.3	76.9
87	22.9	19.8	29.6
59	11.7	8.8	13.2





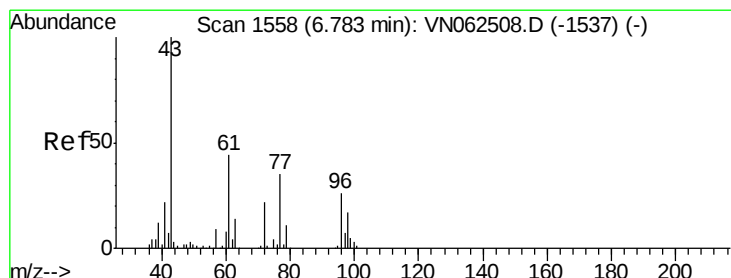
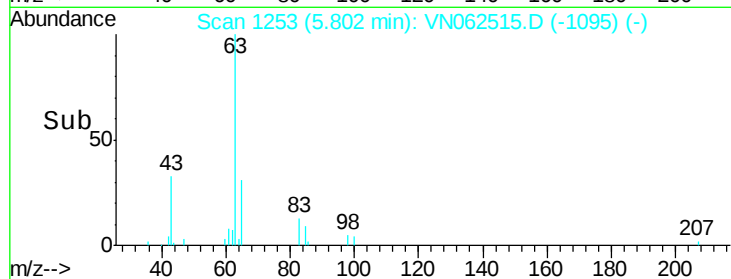
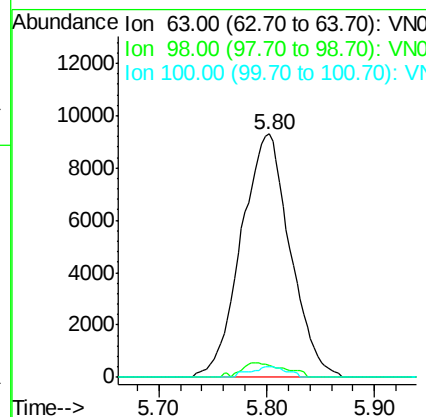
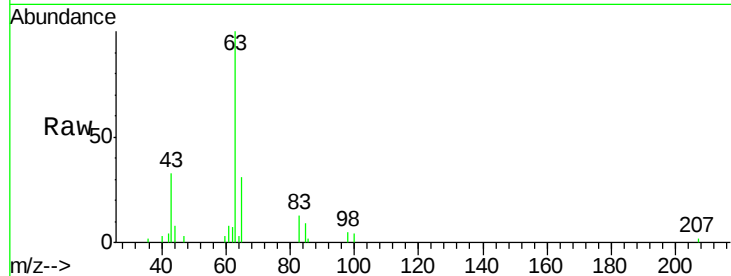
#21
 1,1-Dichloroethane
 Concen: 5.303 ug/l
 RT: 5.80 min Scan# 1253
 Delta R.T. 0.01 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	5.0	2.8	8.4	
100	4.1	2.0	5.8	

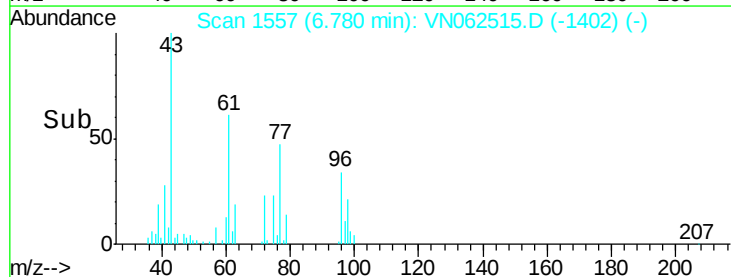
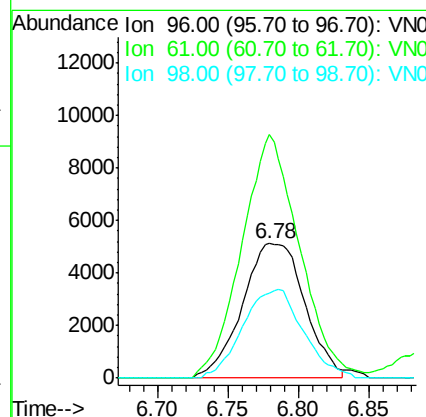
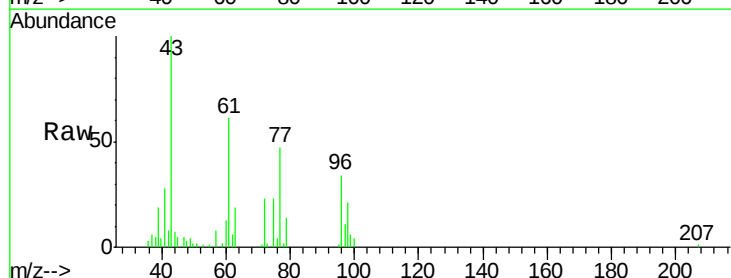
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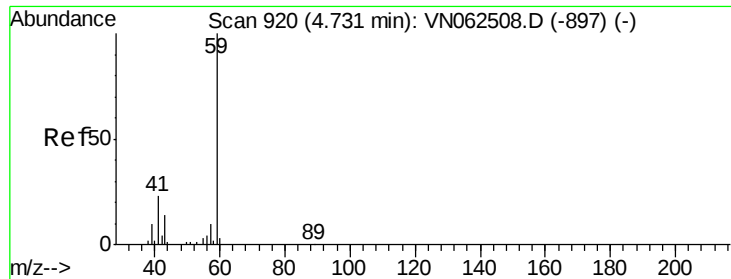
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#22
 cis-1,2-Dichloroethene
 Concen: 5.313 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	167.2	134.9	202.3	
98	63.7	51.5	77.3	





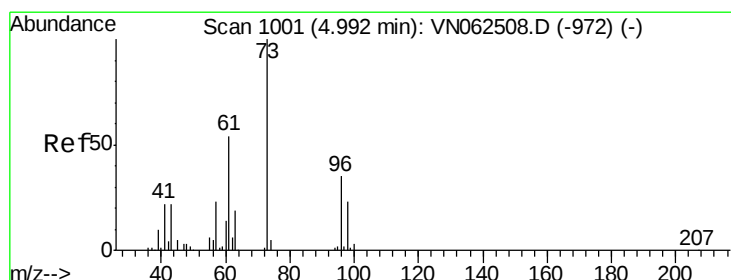
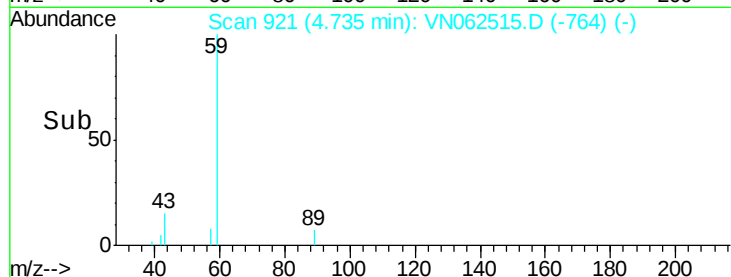
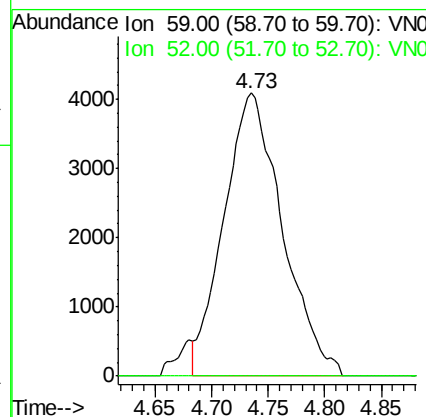
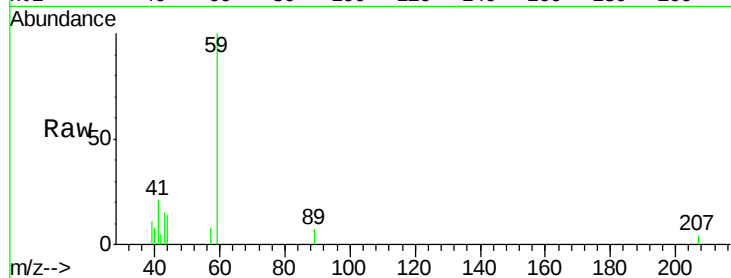
#23
 tert-Butyl Alcohol
 Concen: 29.560 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

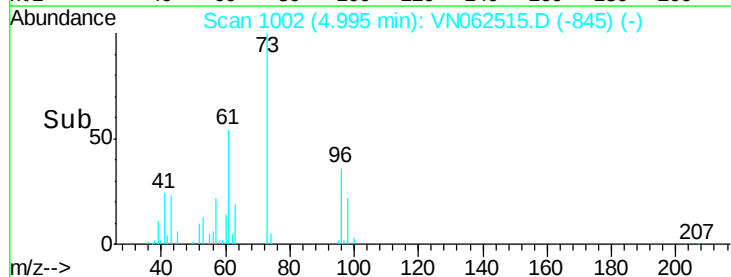
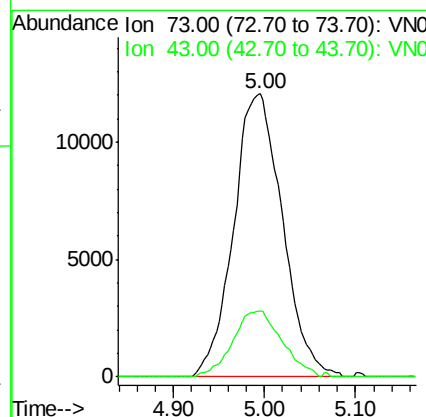
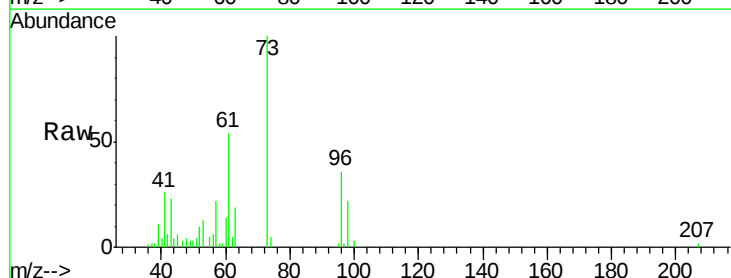
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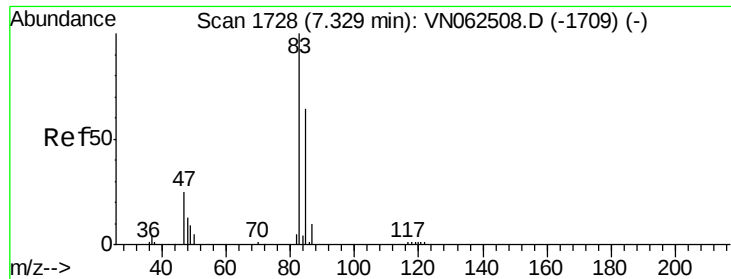
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#24
 Methyl tert-Butyl Ether
 Concen: 5.109 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.4	16.9	25.3





#25

Chloroform

Concen: 5.368 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 83 Resp: 27194

Ion Ratio Lower Upper

83 100

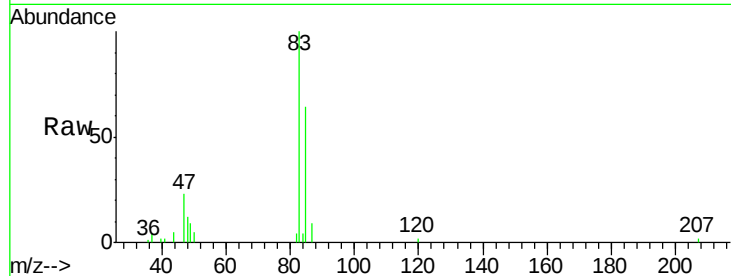
85 64.1 51.0 76.4

Manual Integrations

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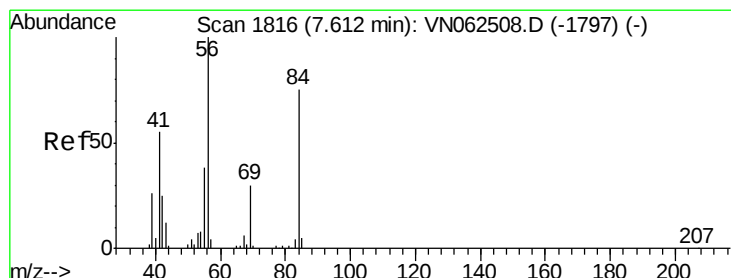
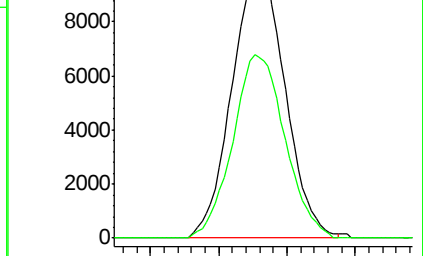
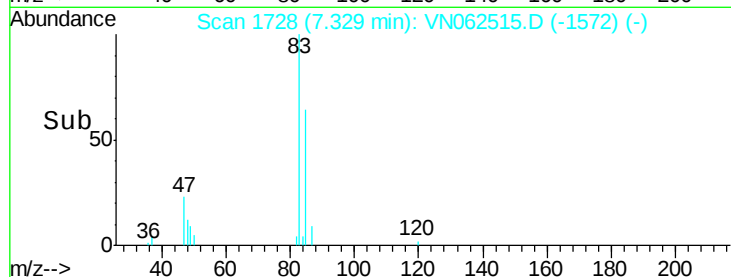


Abundance Ion 83.00 (82.70 to 83.70): VN062515.D (-1572) (-)

Ion 85.00 (84.70 to 85.70): VN062515.D (-1572) (-)

7.33

Time-->



#26

Cyclohexane

Concen: 5.289 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

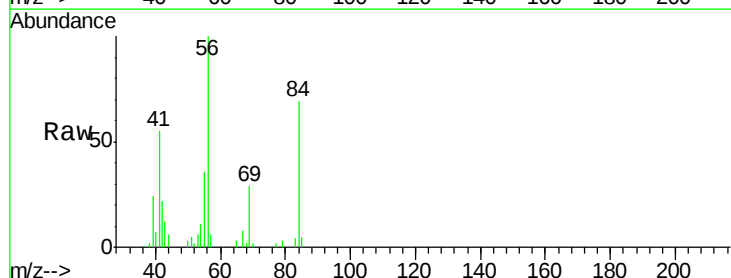
Tgt Ion: 56 Resp: 25748

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 71.5 61.1 91.7



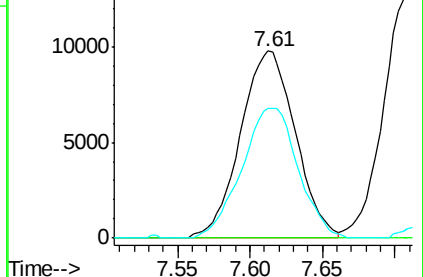
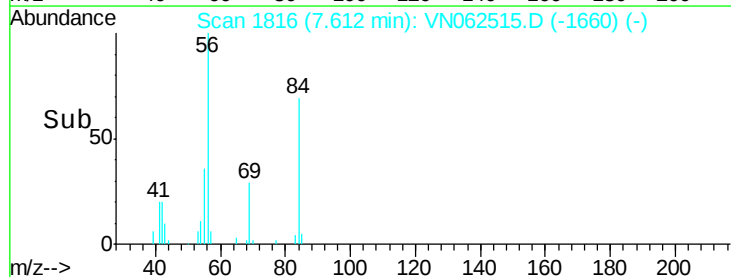
Abundance Ion 56.00 (55.70 to 56.70): VN062515.D (-1660) (-)

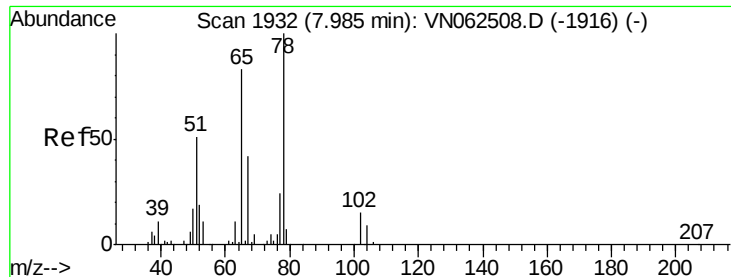
Ion 89.00 (88.70 to 89.70): VN062515.D (-1660) (-)

Ion 84.00 (83.70 to 84.70): VN062515.D (-1660) (-)

7.61

Time-->





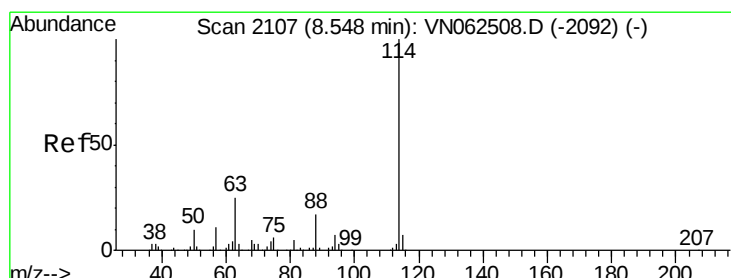
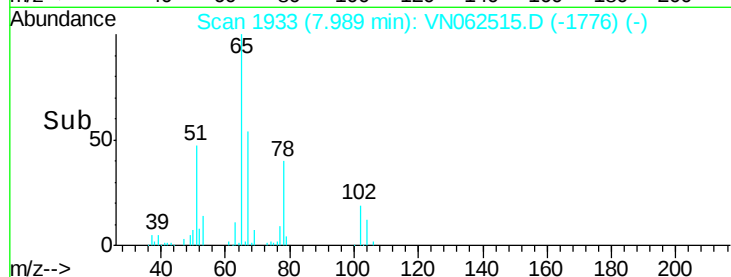
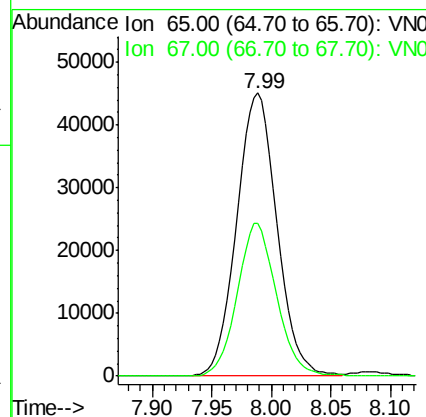
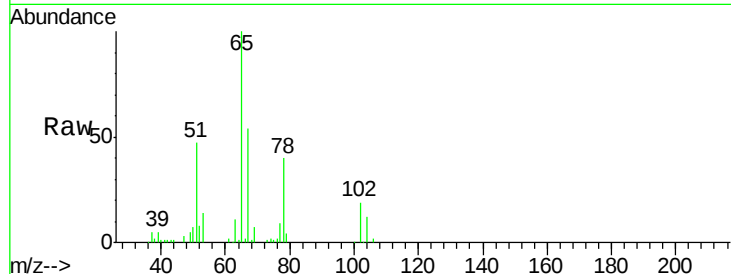
#27
 1,2-Dichloroethane-d4
 Concen: 29.659 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.5	41.7	62.5

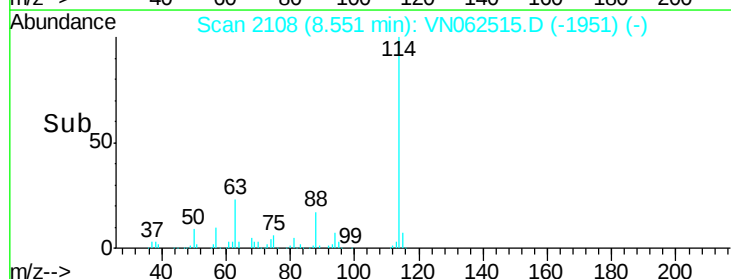
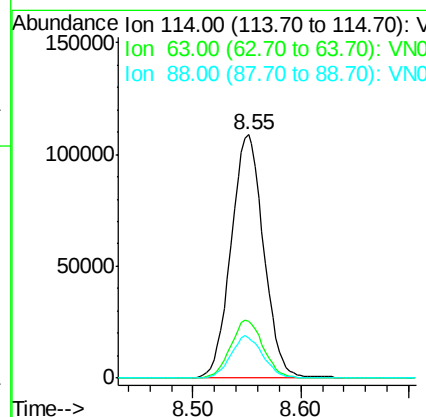
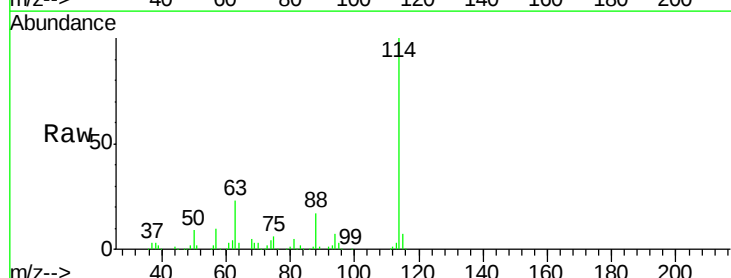
Manual Integrations
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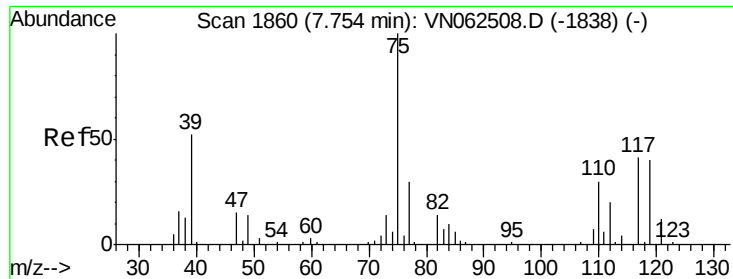
MMDadoda
 7/14/2020 11:36:54 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.7	19.4	29.0
88	17.0	13.5	20.3





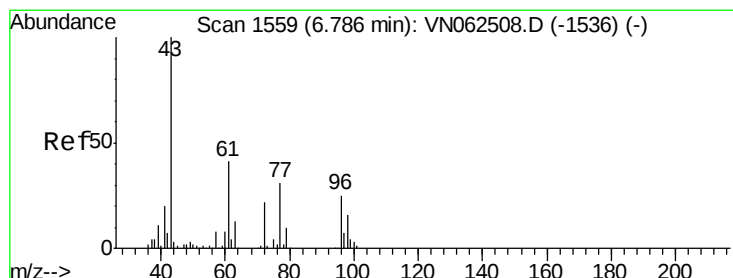
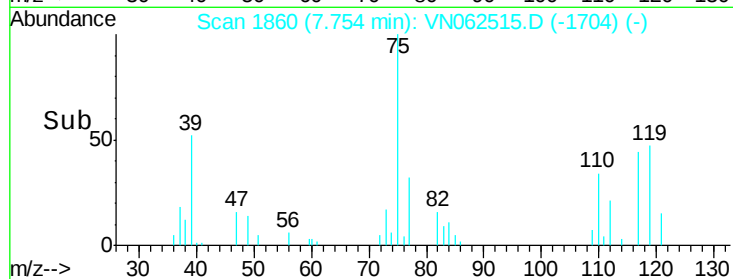
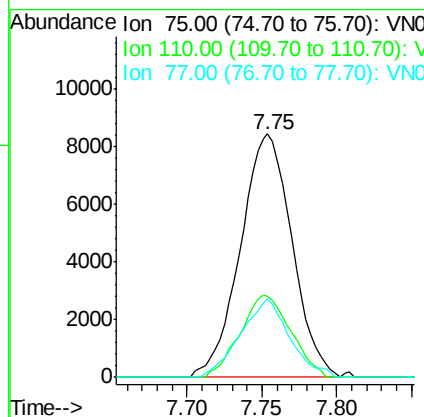
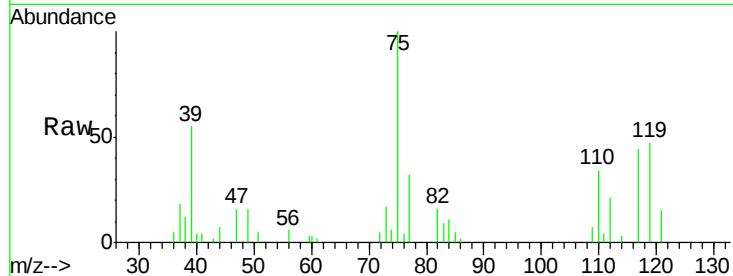
#29
 1,1-Dichloropropene
 Concen: 5.203 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.1	0.0	62.4
77	30.7	0.0	62.8

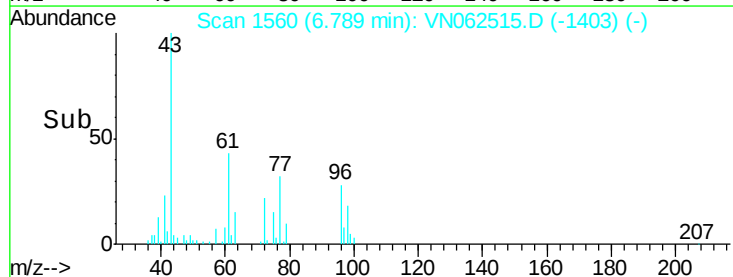
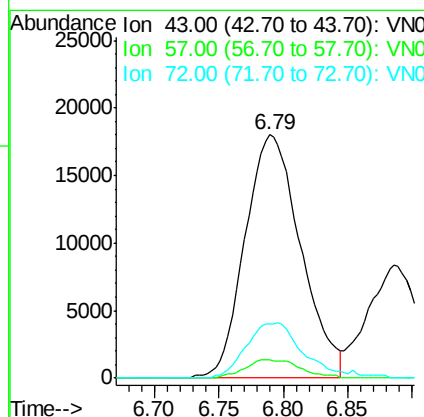
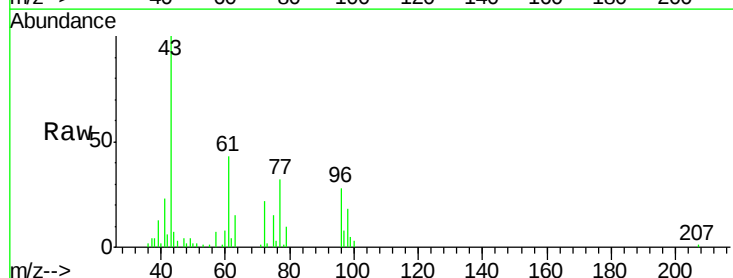
Manual Integrations
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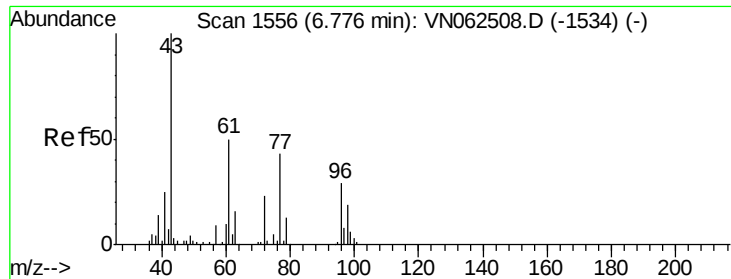
MMDadoda
 7/14/2020 11:36:54 AM



#30
 2-Butanone
 Concen: 26.262 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.3	6.6	9.8
72	22.8	18.5	27.7





#31

2,2-Dichloropropane

Concen: 5.535 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 77 Resp: 24294

Ion Ratio Lower Upper

77 100

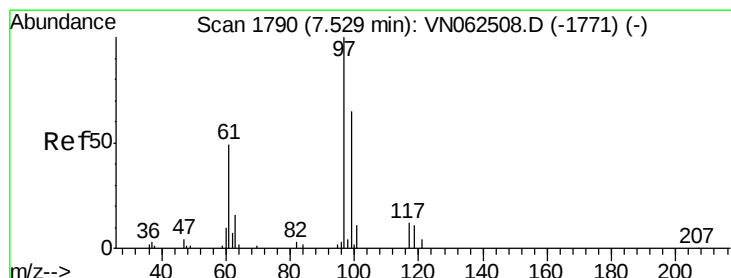
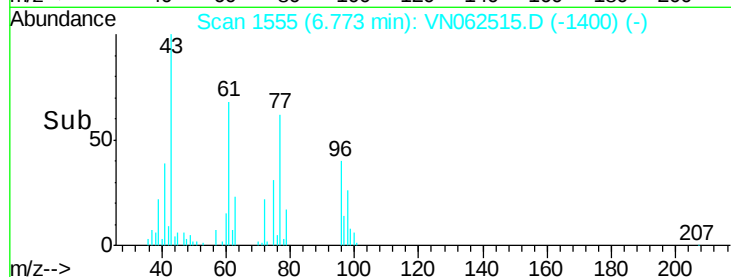
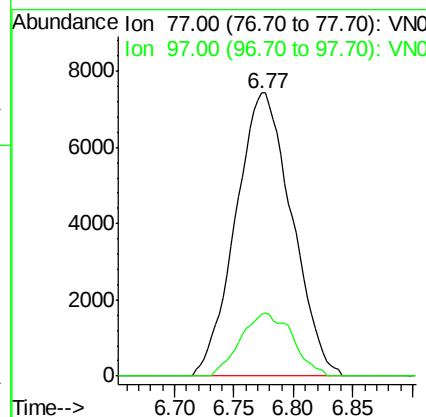
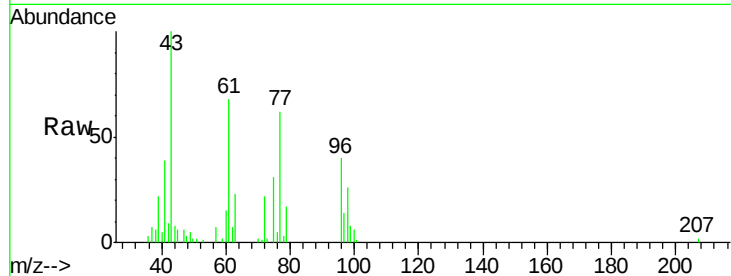
97 15.1 8.6 12.8#

Manual Integrations

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MMDadoda

7/14/2020 11:36:54 AM



#32

1,1,1-Trichloroethane

Concen: 5.494 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

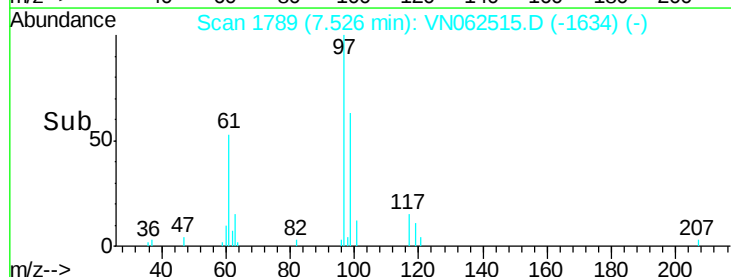
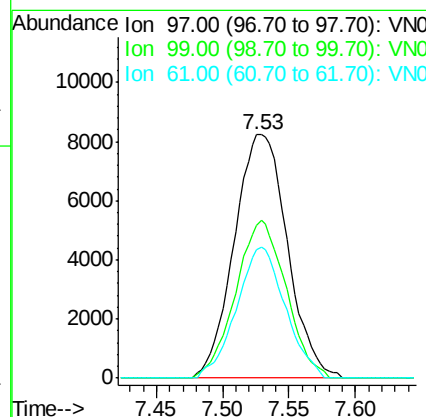
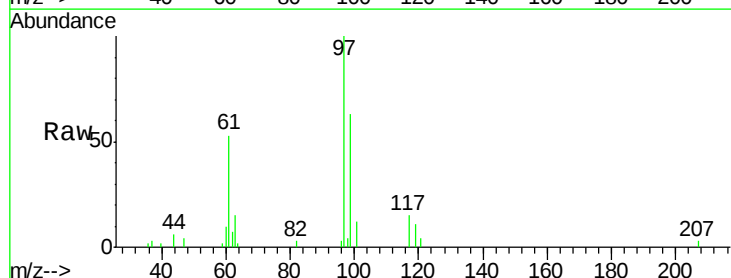
Tgt Ion: 97 Resp: 22984

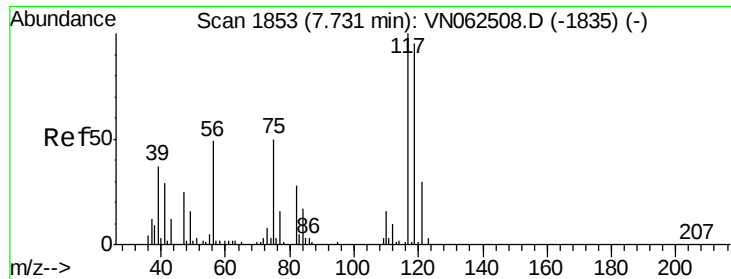
Ion Ratio Lower Upper

97 100

99 61.3 51.8 77.8

61 49.4 39.4 59.0





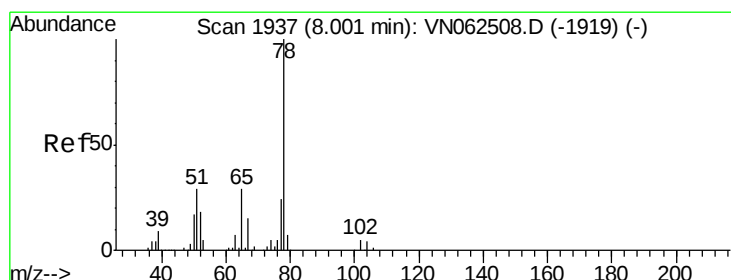
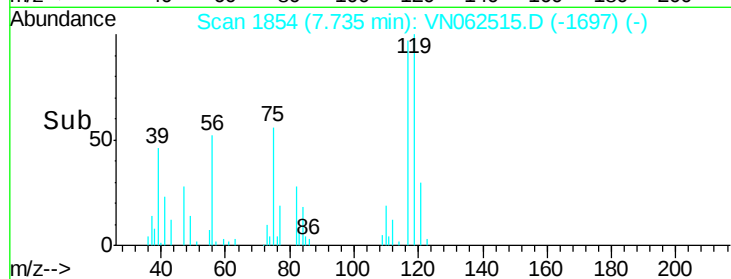
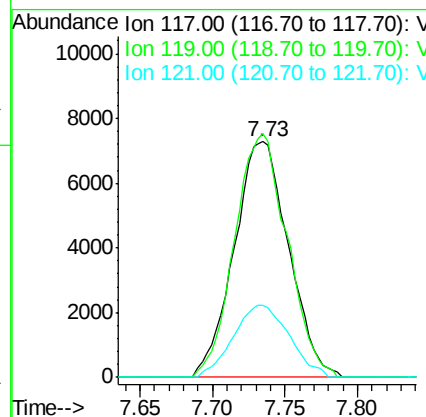
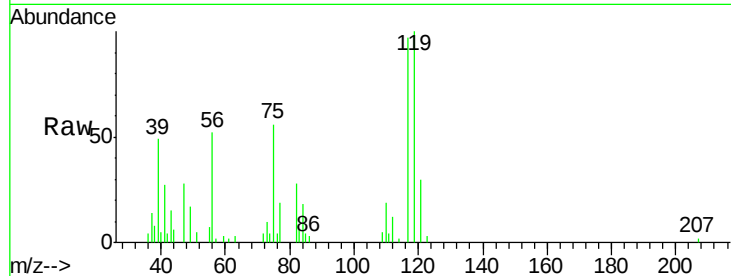
#33
Carbon Tetrachloride
Concen: 5.241 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
117	100		
119	103.3	76.2	114.4
121	30.8	23.8	35.6

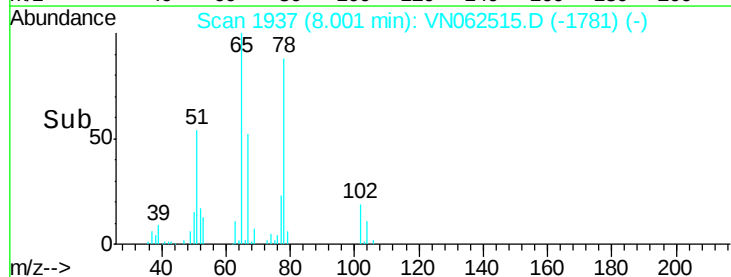
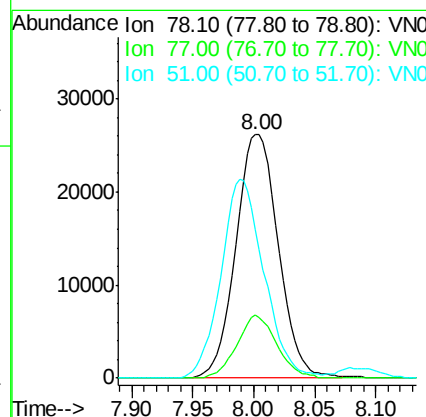
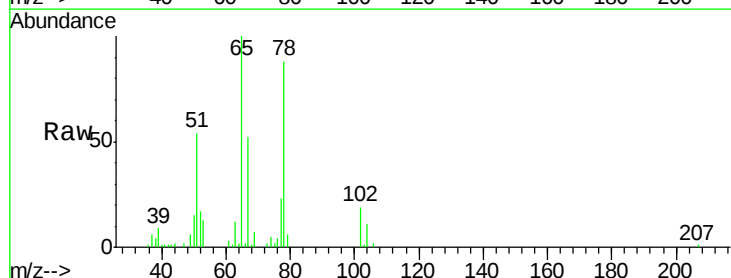
Manual Integrations
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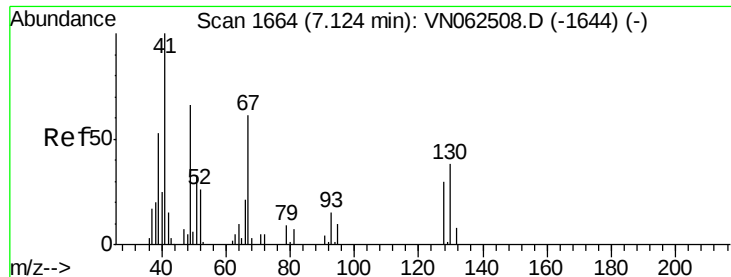
MMDadoda
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#34
Benzene
Concen: 5.462 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.8	18.9	28.3
51	58.4	23.1	34.7#





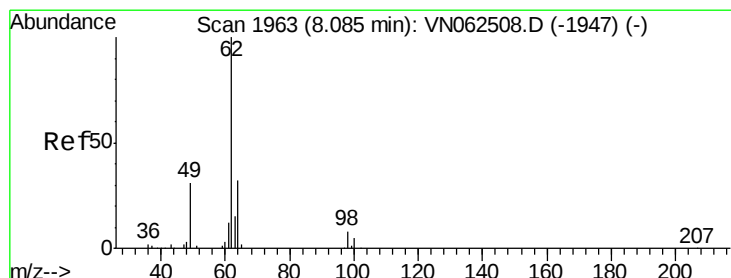
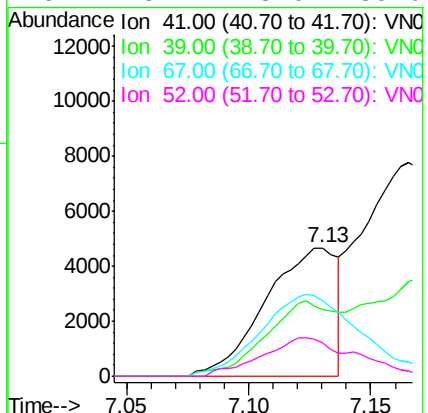
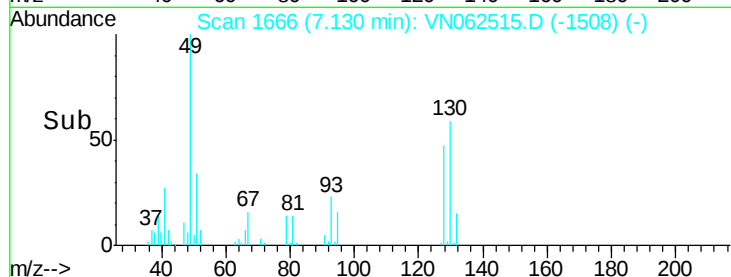
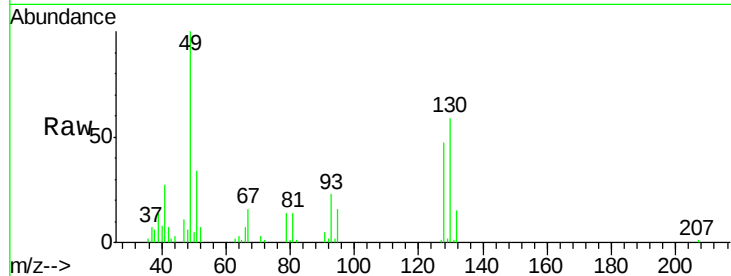
#35
Methacrylonitrile
Concen: 5.218 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion: 41 Resp: 9462
Ion Ratio Lower Upper
41 100
39 51.9 26.5 79.5
67 59.1 30.7 92.1
52 25.7 13.0 39.0

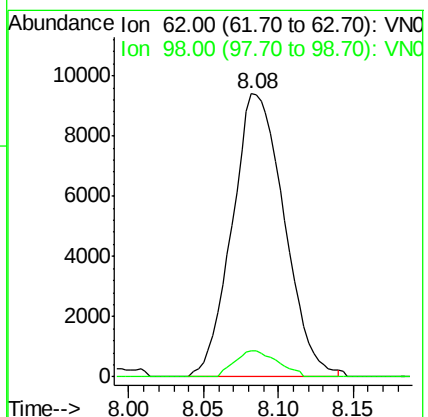
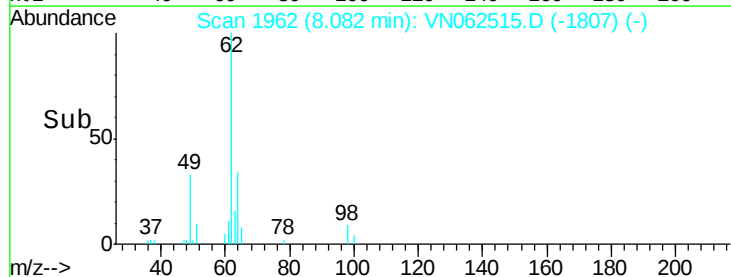
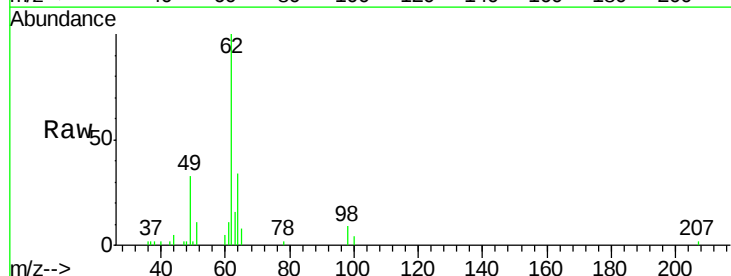
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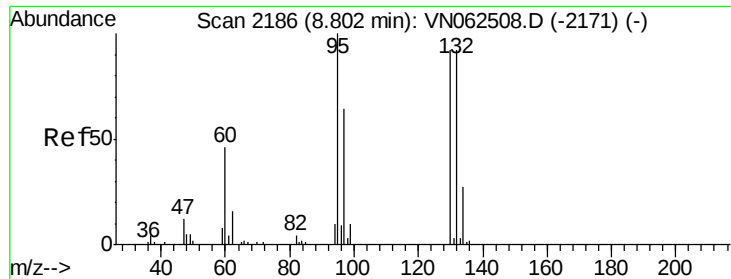
MMDadoda
7/14/2020 11:36:54 AM



#36
1,2-Dichloroethane
Concen: 5.487 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion: 62 Resp: 22807
Ion Ratio Lower Upper
62 100
98 7.7 6.6 9.8





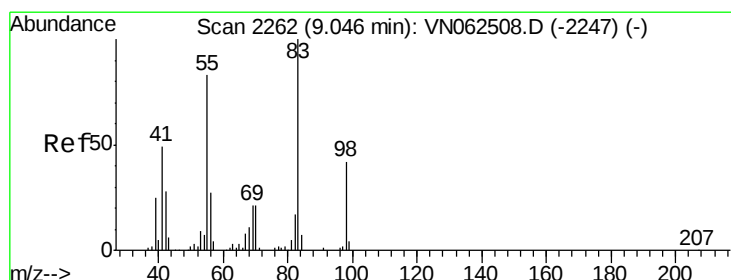
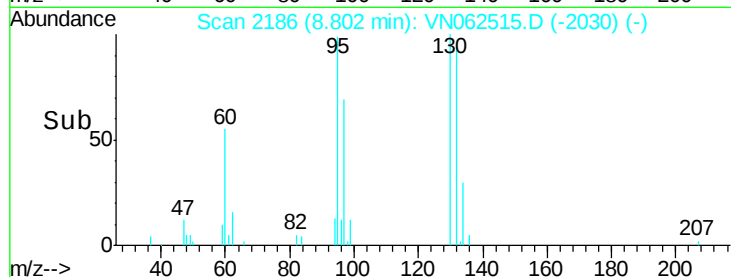
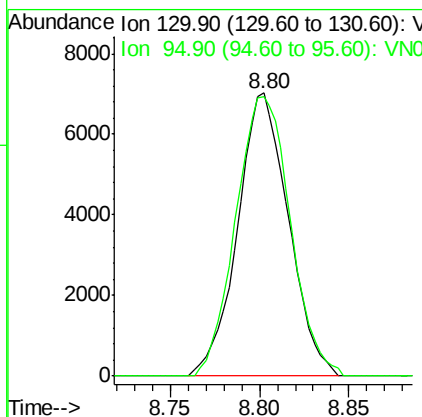
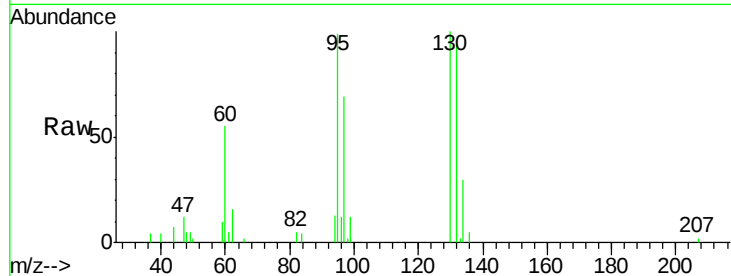
#37
 Trichloroethene
 Concen: 5.372 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
130	100	13954		
95	98.9	86.5	129.7	

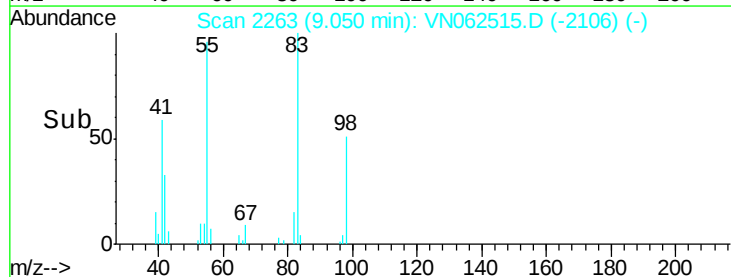
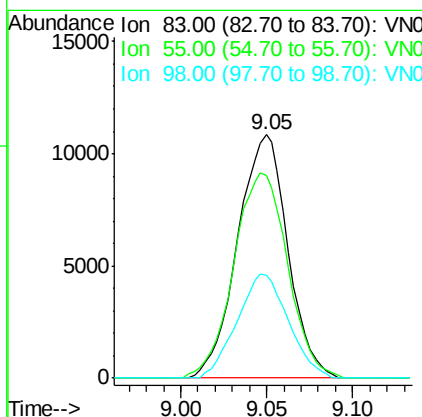
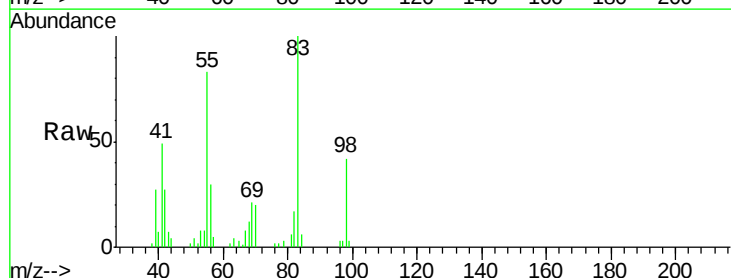
Manual Integrations
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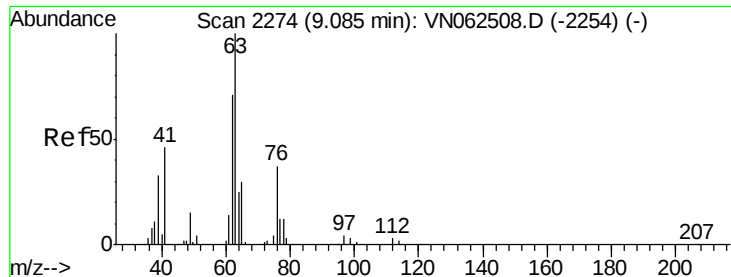
MMDadoda
 7/14/2020 11:36:54 AM



#38
 Methylcyclohexane
 Concen: 5.042 ug/l
 RT: 9.05 min Scan# 2263
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	22015		
55	90.5	42.8	128.3	
98	43.5	21.9	65.7	





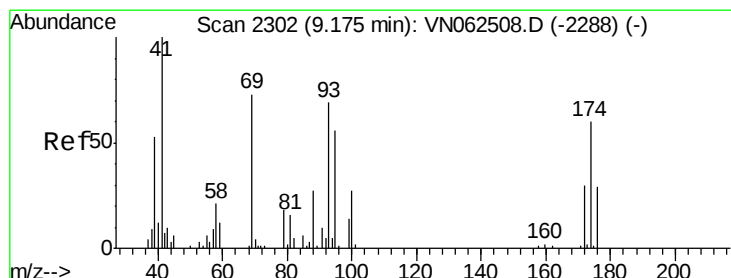
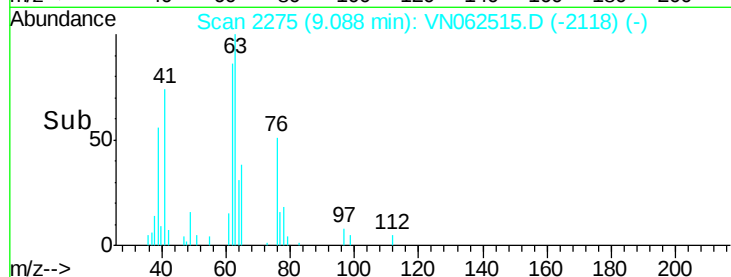
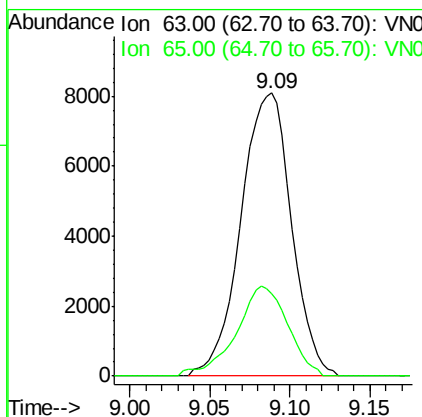
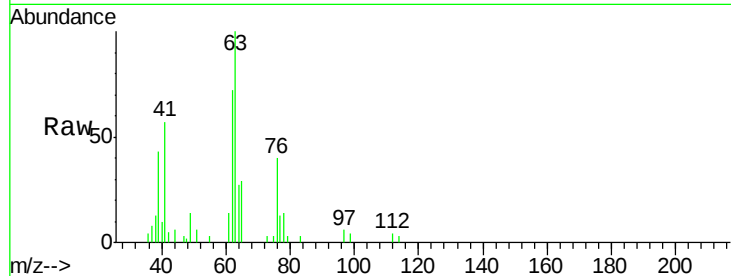
#39
 1,2-Dichloropropane
 Concen: 5.319 ug/l
 RT: 9.09 min Scan# 2275
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion	63	Resp	17523
Ion Ratio	Lower	Upper	
63	100		
65	29.3	24.2	36.4

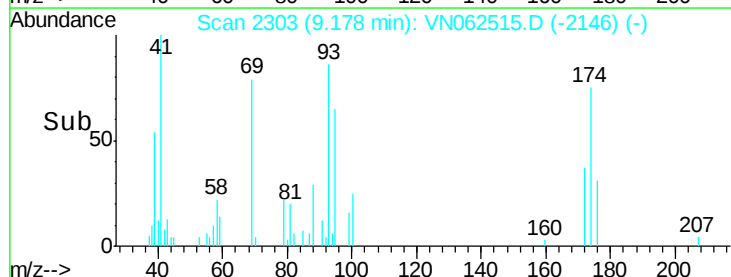
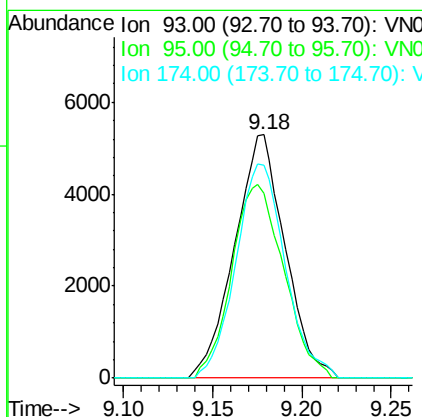
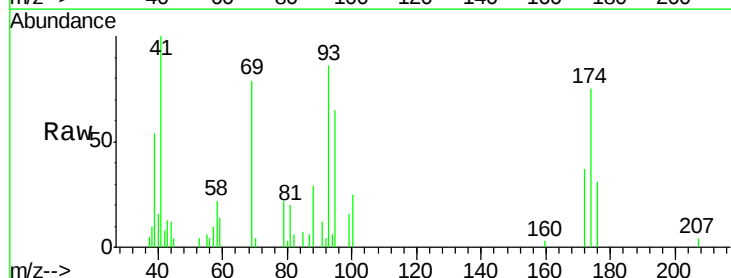
Manual Integrations
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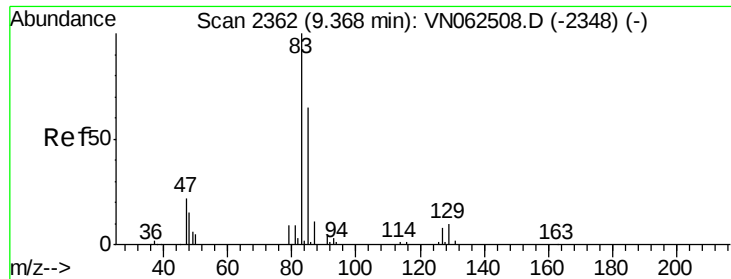
MMDadoda
 7/14/2020 11:36:54 AM



#40
 Dibromomethane
 Concen: 5.511 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Tgt Ion	93	Resp	10464
Ion Ratio	Lower	Upper	
93	100		
95	82.0	0.0	161.2
174	86.3	0.0	178.0





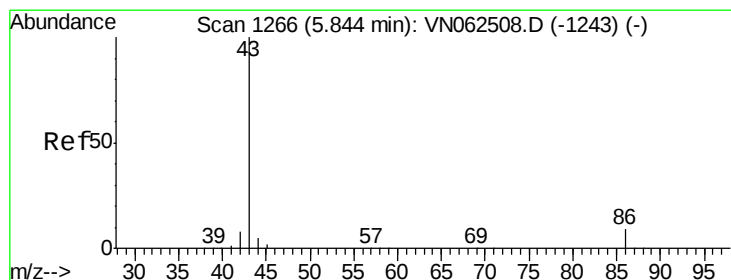
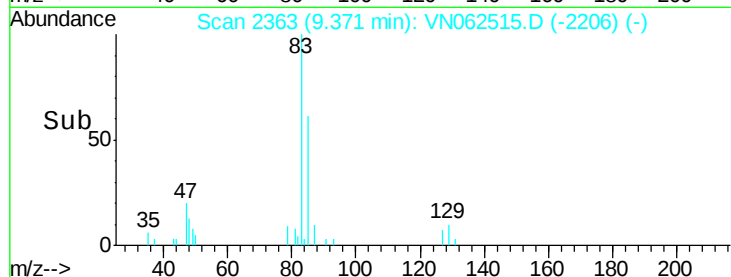
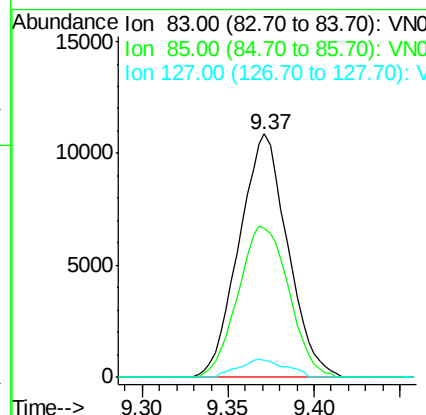
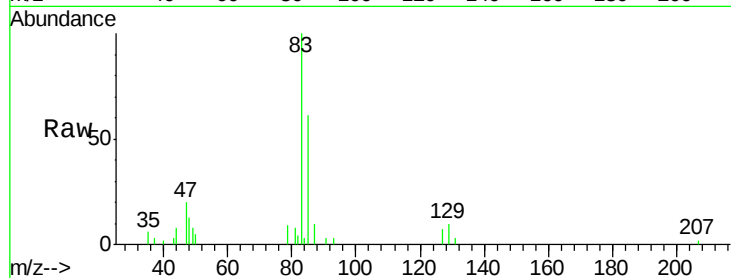
#41
Bromodichloromethane
Concen: 5.309 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	83	Resp	21381
Ion Ratio	100	Lower	Upper
83	100		
85	61.2	51.6	77.4
127	7.2	6.3	9.5

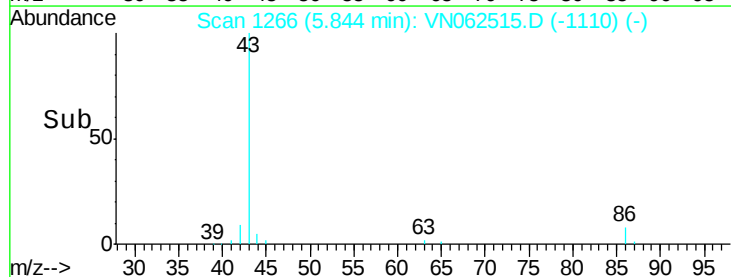
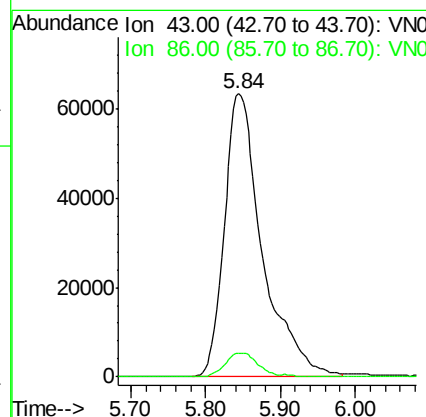
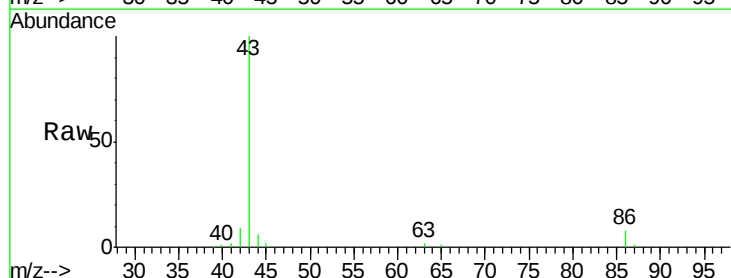
Manual Integrations
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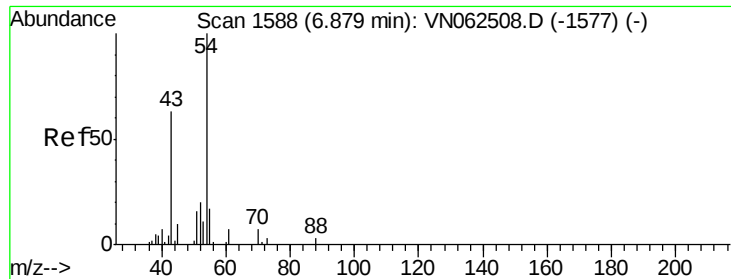
MMDadoda
7/14/2020 11:36:54 AM



#42
Vinyl Acetate
Concen: 26.038 ug/l
RT: 5.84 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion	43	Resp	223356
Ion Ratio	100	Lower	Upper
43	100		
86	4.1	6.1	9.1#





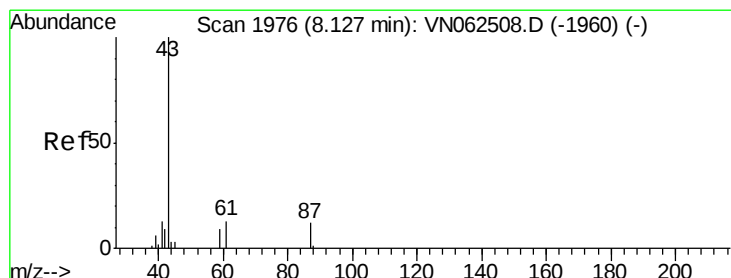
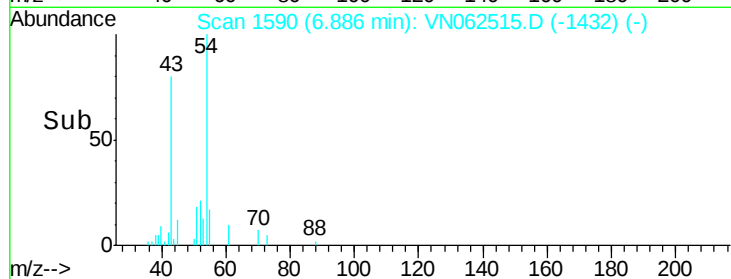
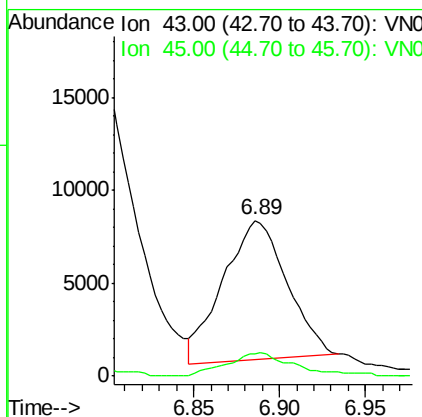
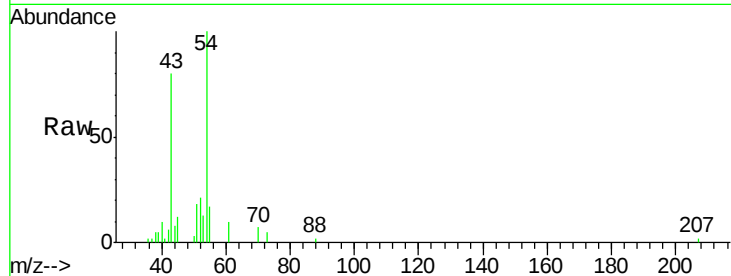
#43
Ethyl Acetate
Concen: 4.657 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.01 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion: 43 Resp: 19329
Ion Ratio Lower Upper
43 100
45 17.4 10.2 15.4#

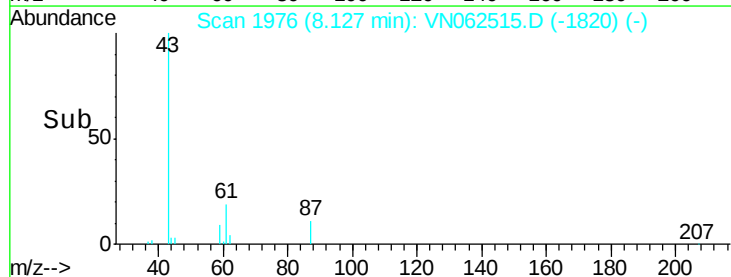
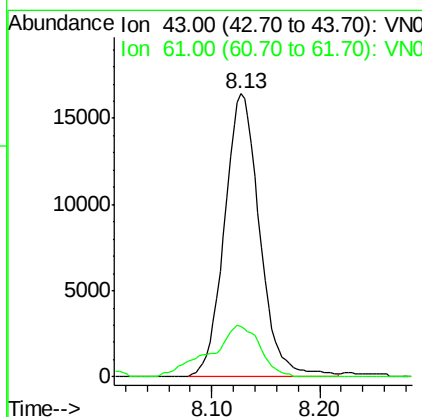
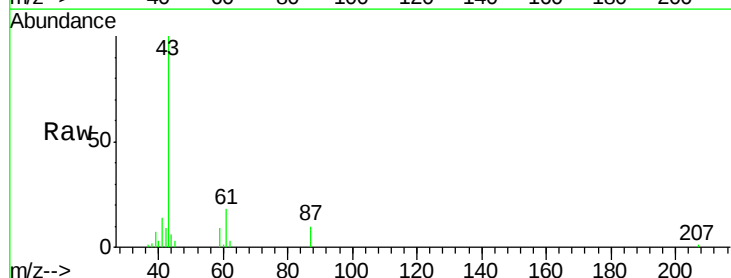
Manual Integrations
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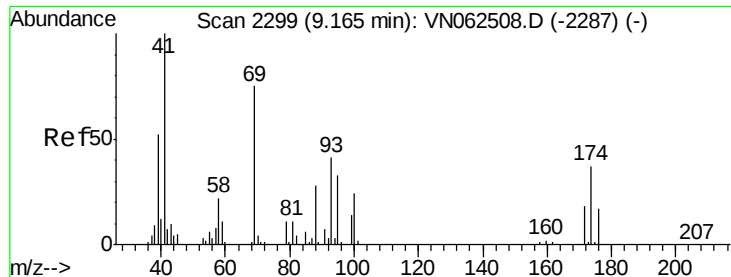
MMDadoda
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#44
Isopropyl Acetate
Concen: 5.381 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion: 43 Resp: 37472
Ion Ratio Lower Upper
43 100
61 18.1 14.7 22.1





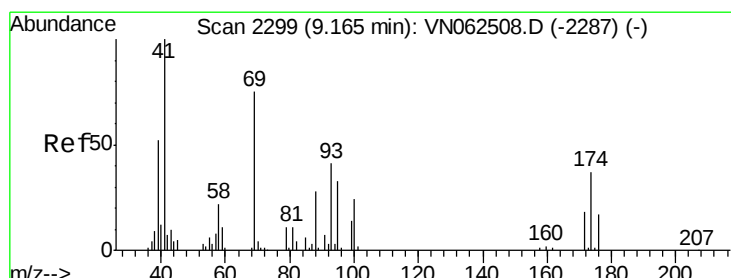
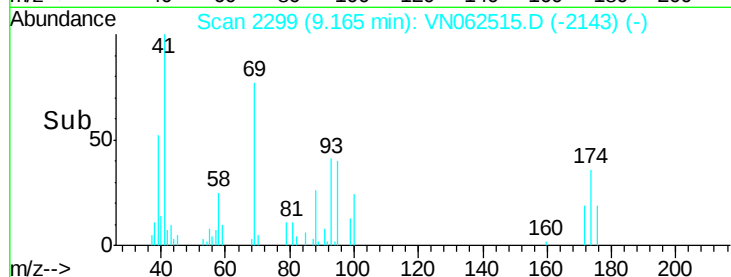
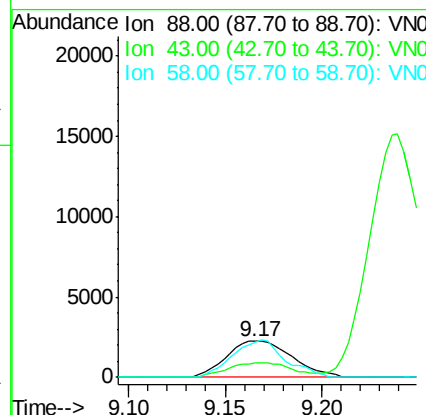
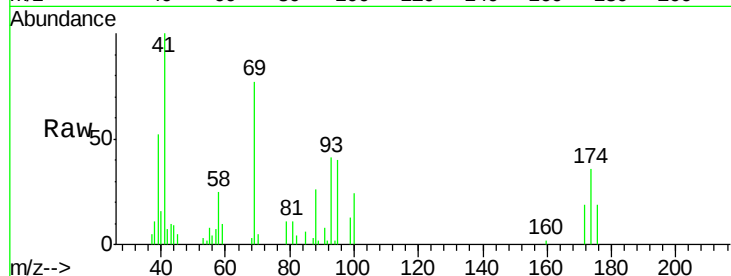
#45
1,4-Dioxane
Concen: 111.185 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.6	29.2	43.8
58	83.1	62.2	93.4

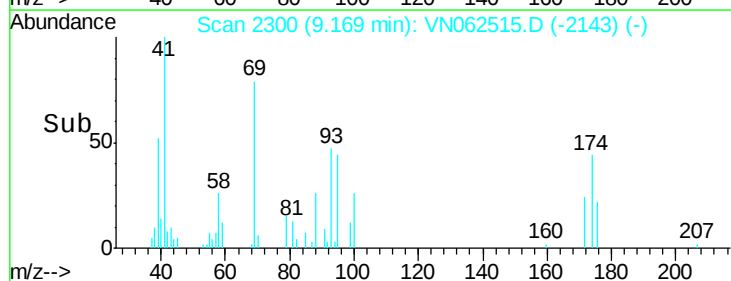
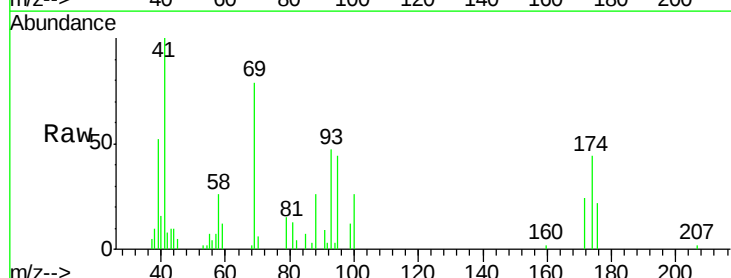
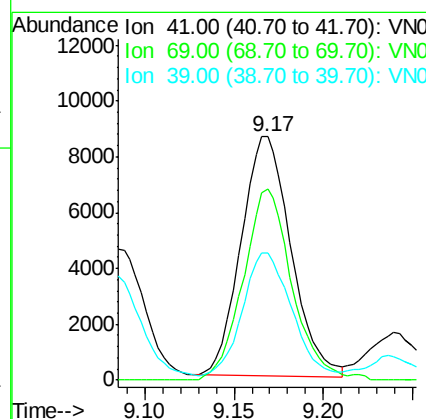
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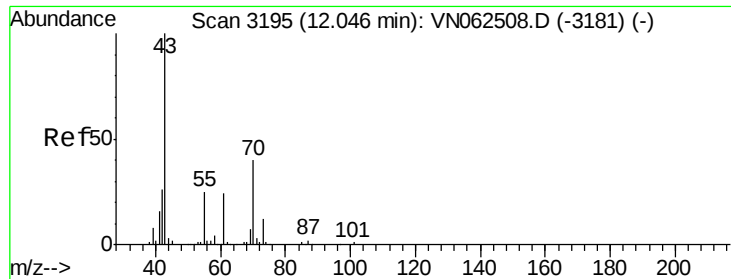
MMDadoda
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#46
Methyl methacrylate
Concen: 5.106 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion	Ratio	Lower	Upper
41	100		
69	80.2	37.4	112.2
39	51.1	25.9	77.6





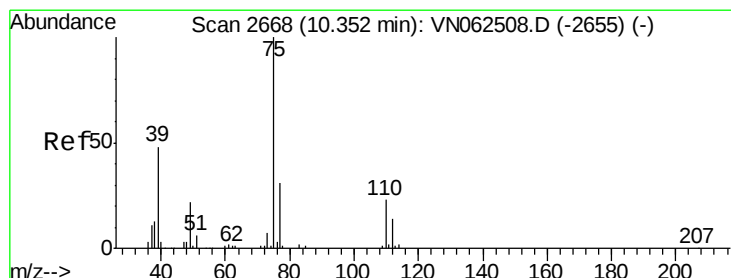
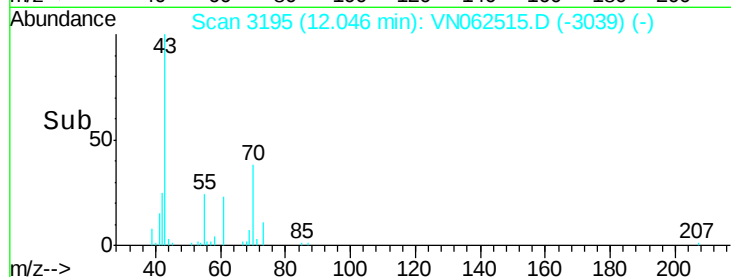
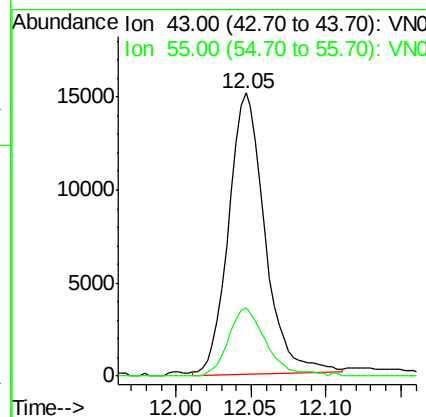
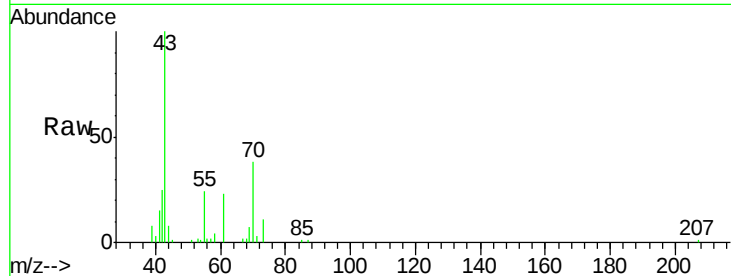
#47
n-amvl Acetate
Concen: 4.355 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion: 43 Resp: 25563
Ion Ratio Lower Upper
43 100
55 24.5 20.4 30.6

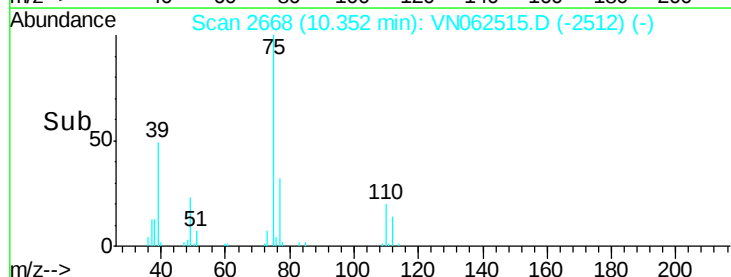
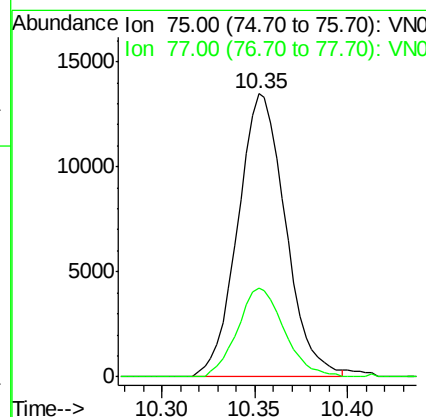
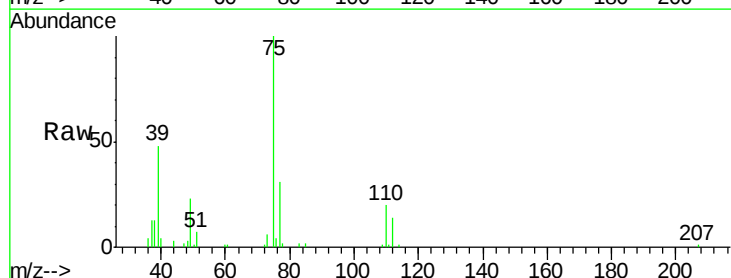
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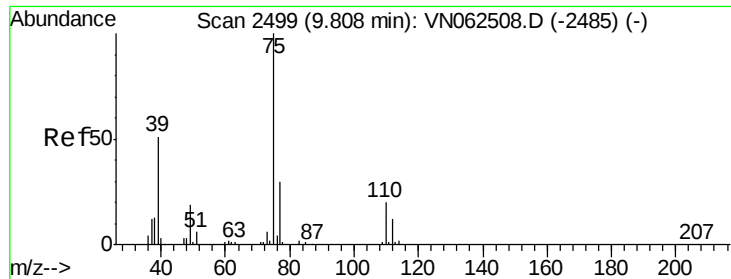
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 5.147 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion: 75 Resp: 24174
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.4





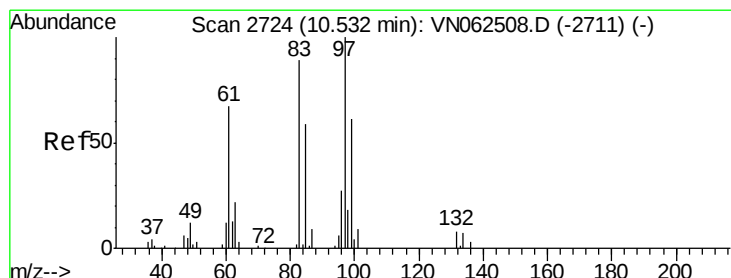
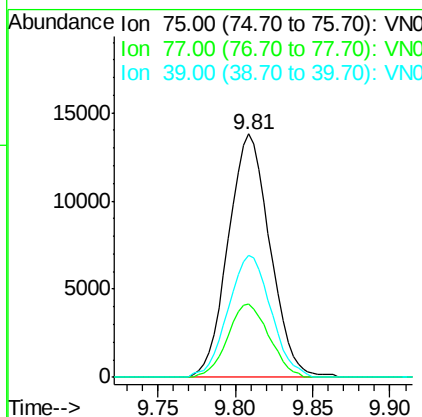
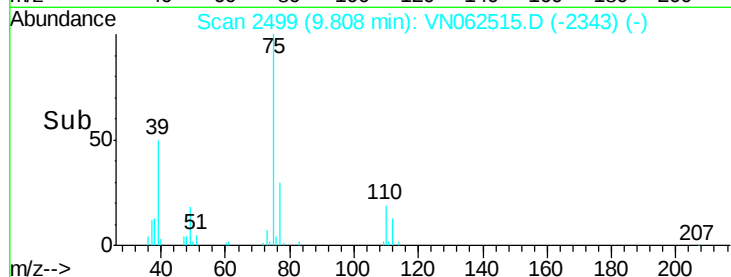
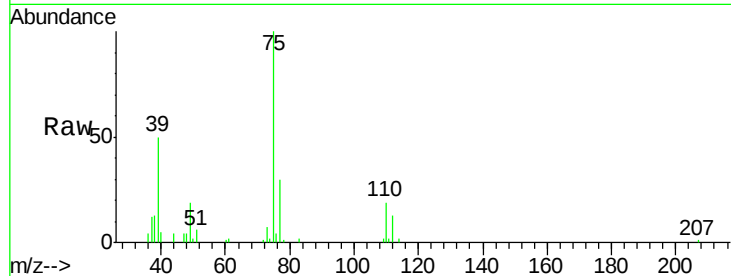
#49
 cis-1,3-Dichloropropene
 Concen: 5.109 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.1	23.7	35.5
39	50.3	40.5	60.7

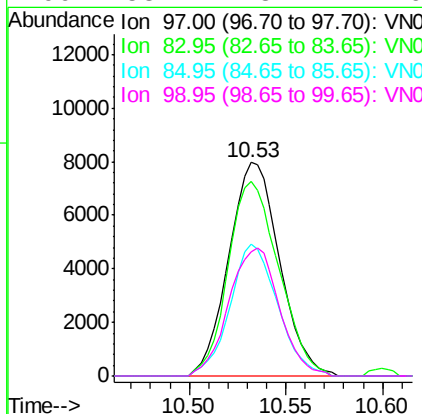
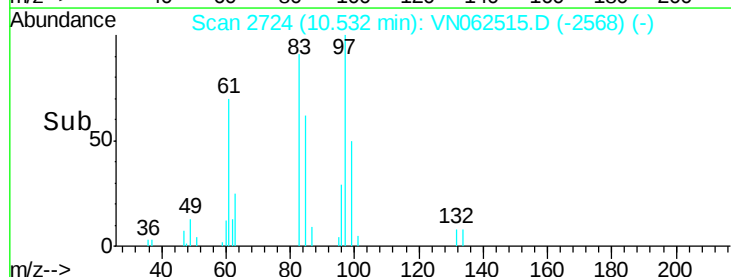
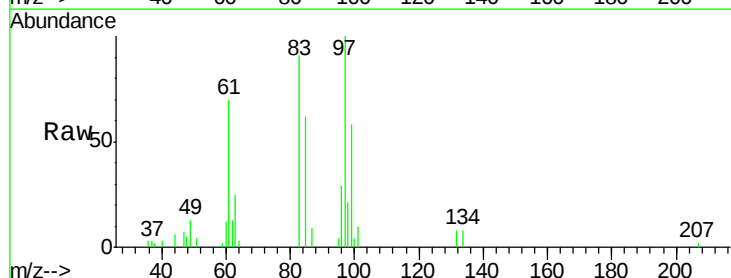
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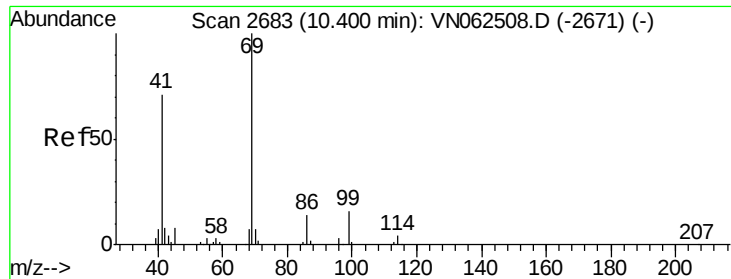
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#50
 1,1,2-Trichloroethane
 Concen: 5.469 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.0	71.3	106.9
85	62.0	47.2	70.8
99	58.1	48.4	72.6





#51

Ethyl methacrylate

Concen: 4.827 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

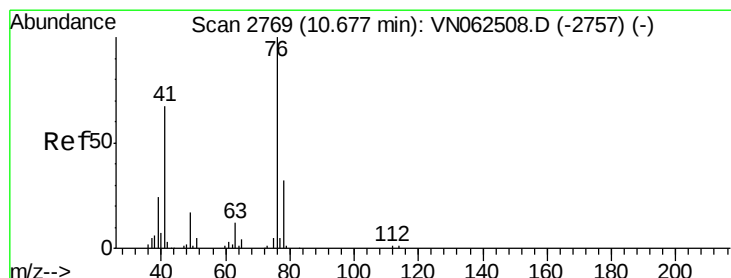
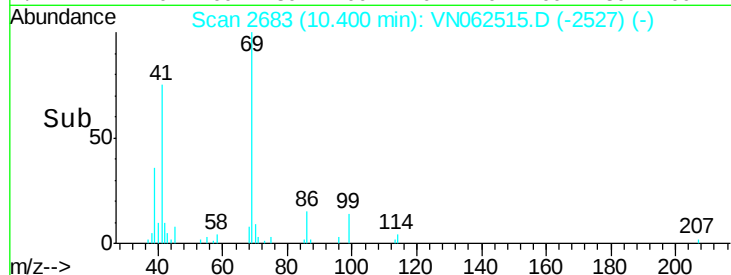
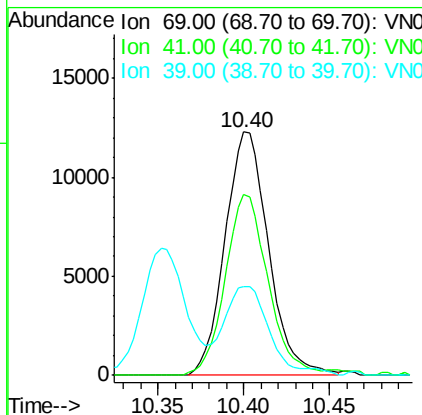
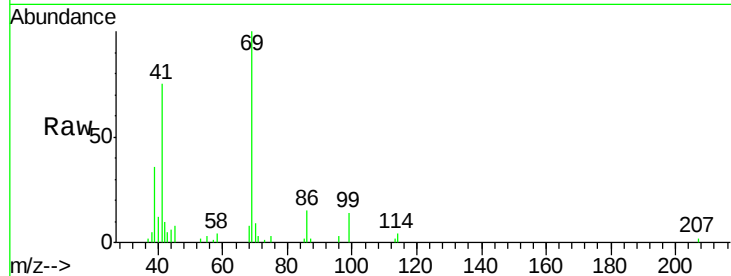
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:	69	Resp:	21630
Ion	Ratio	Lower	Upper
69	100		
41	73.2	35.6	106.8
39	36.5	17.2	51.5

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#52

1,3-Dichloropropane

Concen: 5.500 ug/l

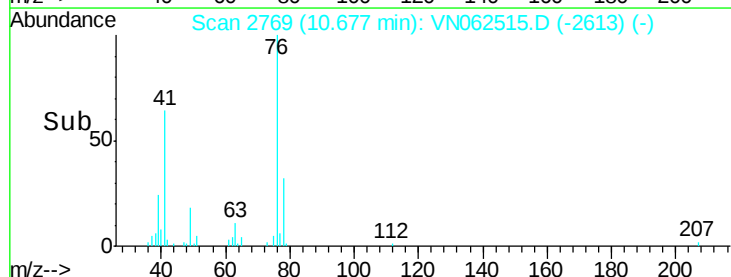
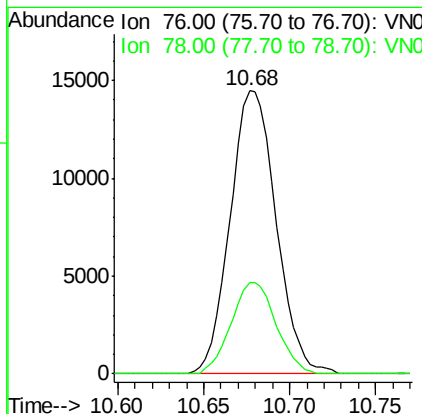
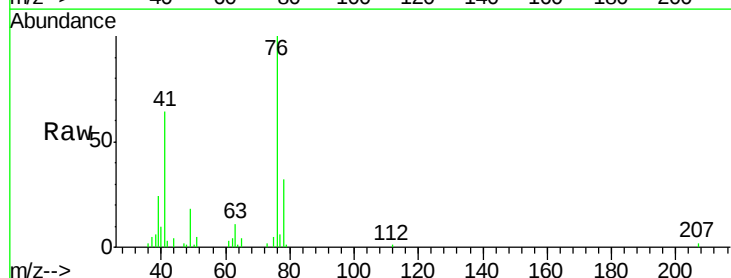
RT: 10.68 min Scan# 2769

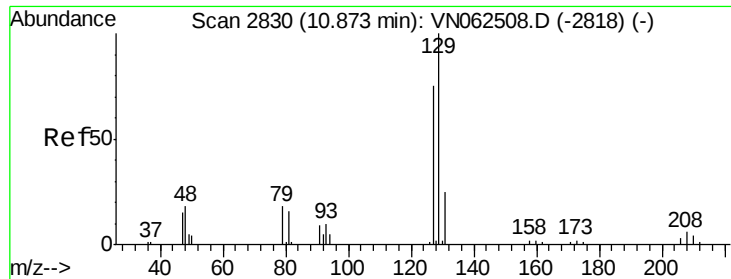
Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Tgt Ion:	76	Resp:	26862
Ion	Ratio	Lower	Upper
76	100		
78	31.5	0.0	63.6





#53

Dibromochloromethane

Concen: 5.011 ug/l

RT: 10.88 min Scan# 2831

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:129 Resp: 14531

Ion Ratio Lower Upper

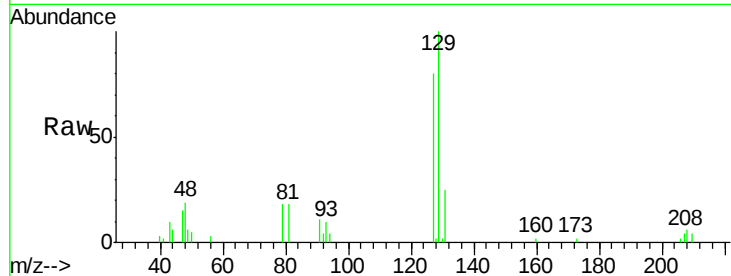
129 100

127 80.7 38.1 114.5

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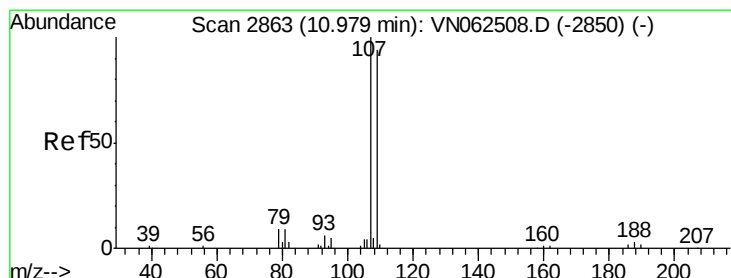
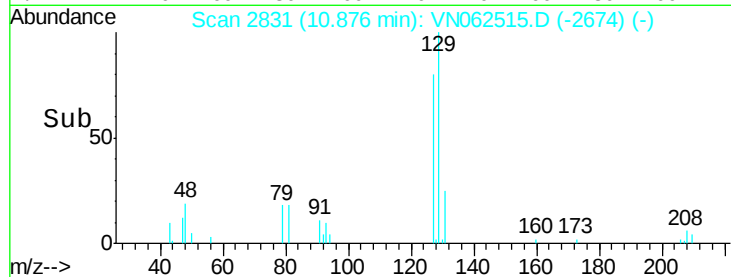
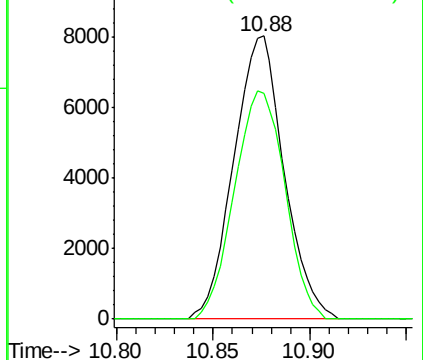
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 5.313 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062515.D

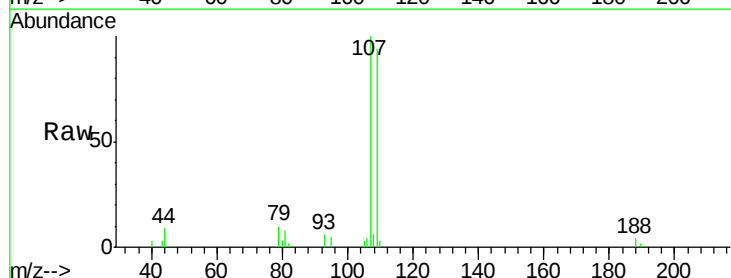
Acq: 13 Jul 2020 14:46

Tgt Ion:107 Resp: 14472

Ion Ratio Lower Upper

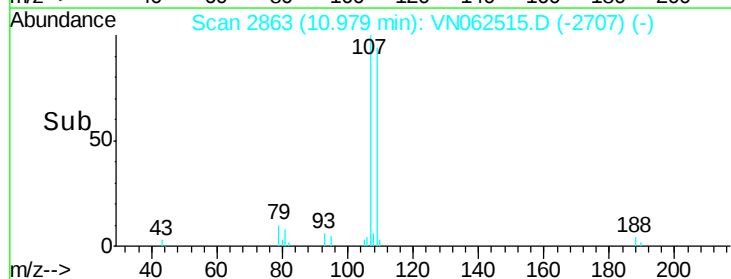
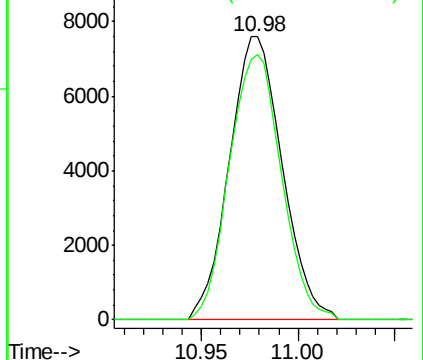
107 100

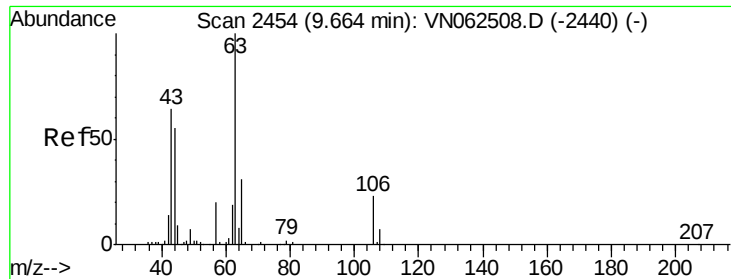
109 92.2 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 24.355 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

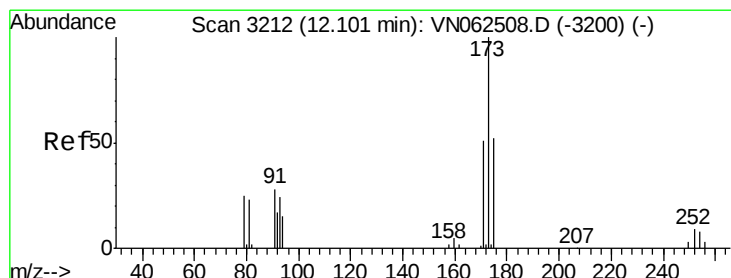
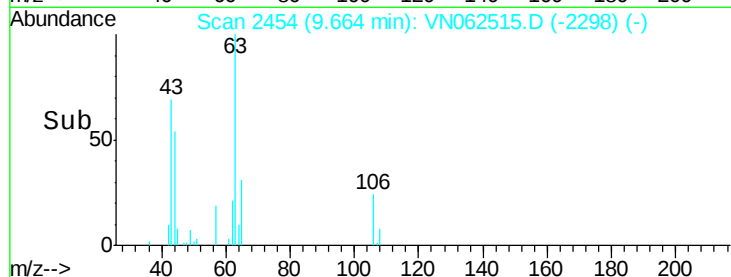
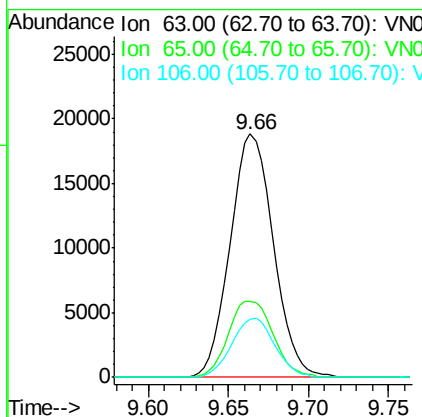
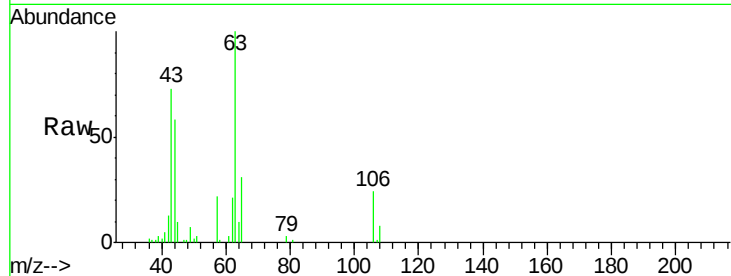
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:	63	Resp:	34855
Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.4	38.2
106	23.9	18.4	27.6

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#56

Bromoform

Concen: 4.961 ug/l

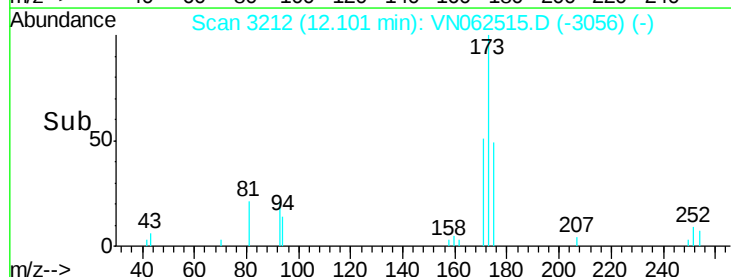
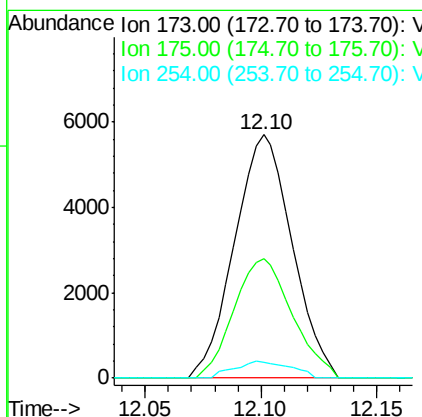
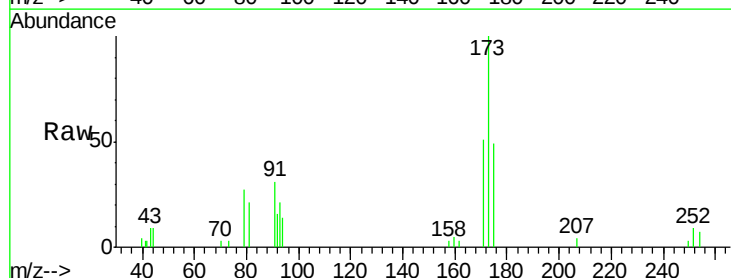
RT: 12.10 min Scan# 3212

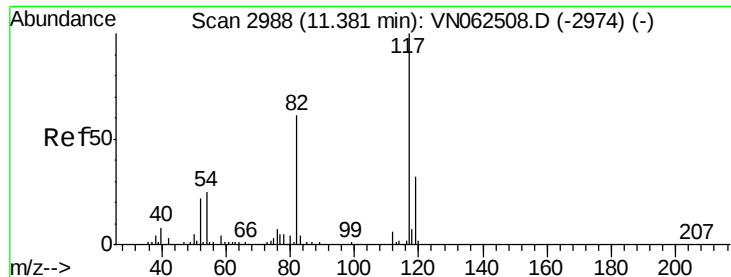
Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Tgt Ion:	173	Resp:	9826
Ion	Ratio	Lower	Upper
173	100		
175	49.5	38.1	57.1
254	6.8	6.2	9.2





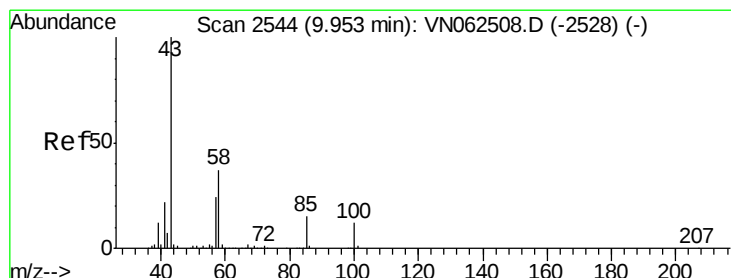
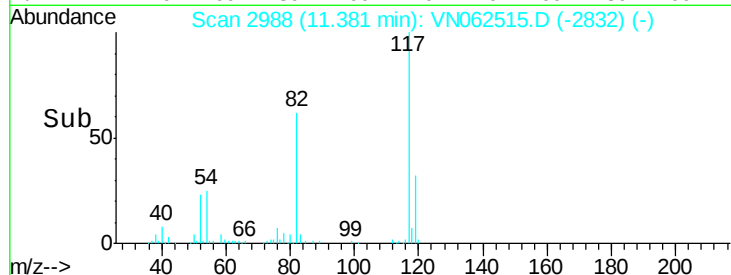
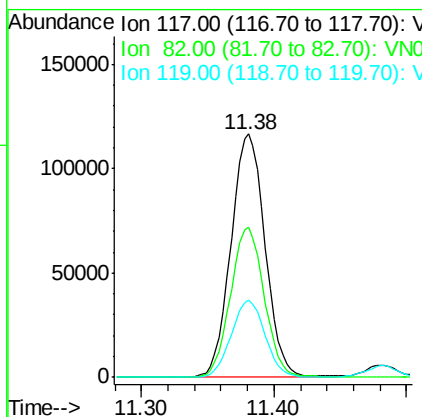
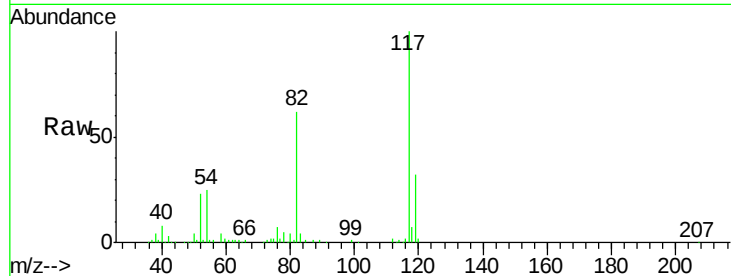
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	208407		
82	61.1	49.0	73.6	
119	31.4	25.6	38.4	

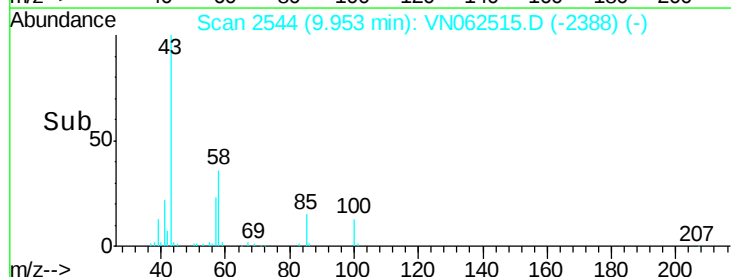
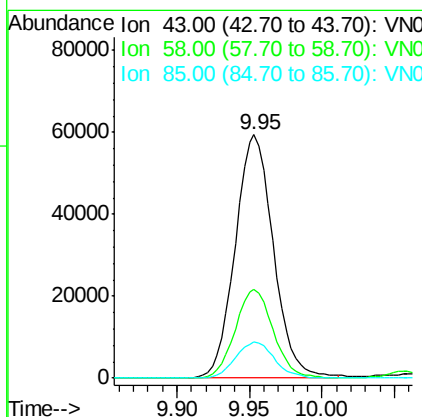
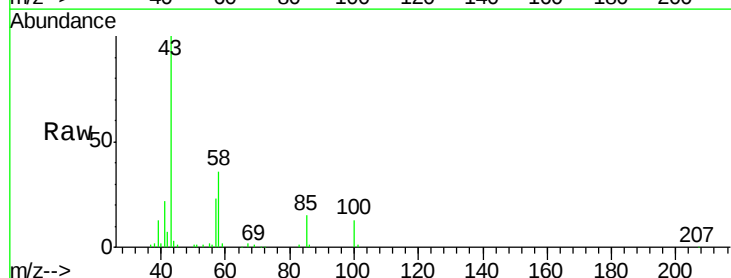
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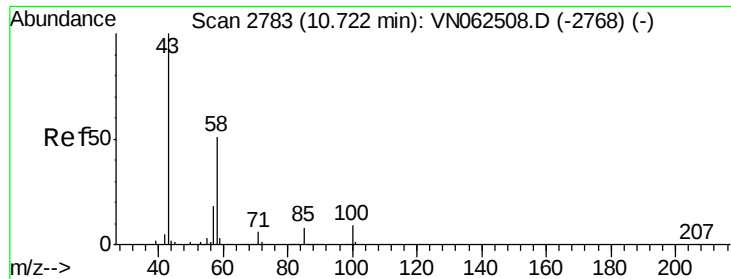
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 26.897 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	109213		
58	36.3	29.6	44.4	
85	15.1	12.0	18.0	





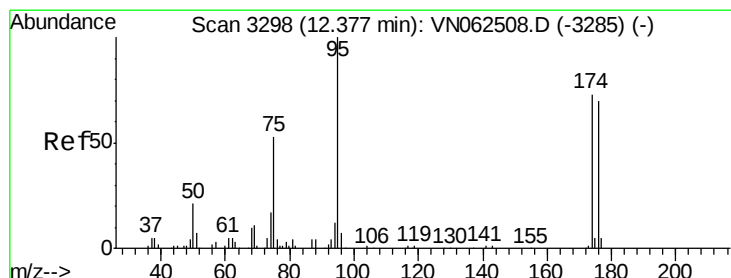
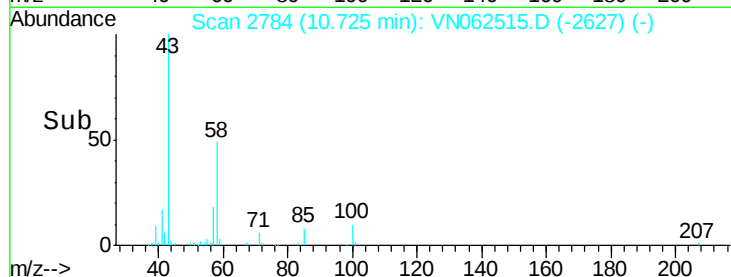
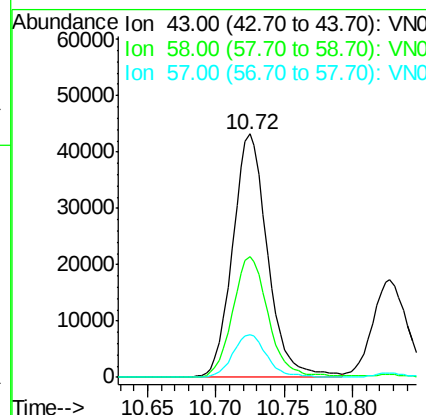
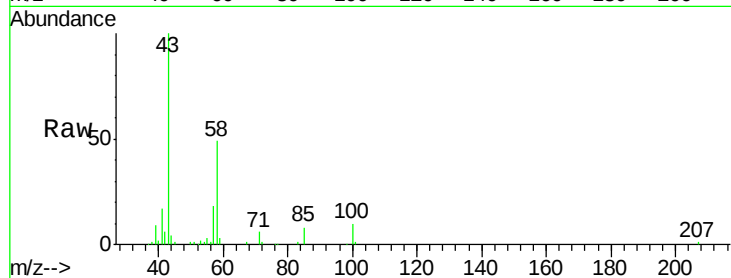
#59
2-Hexanone
Concen: 25.904 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.8	41.2	61.8
57	17.1	14.4	21.6

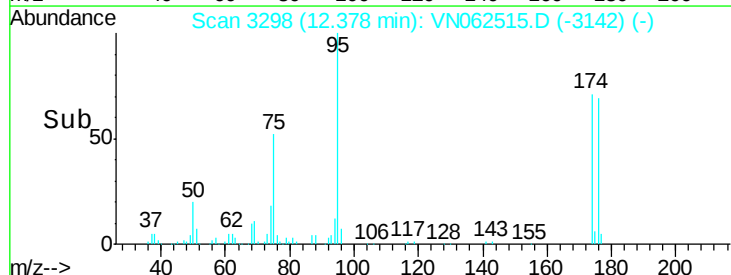
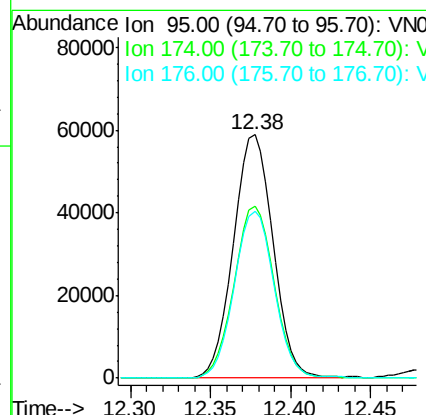
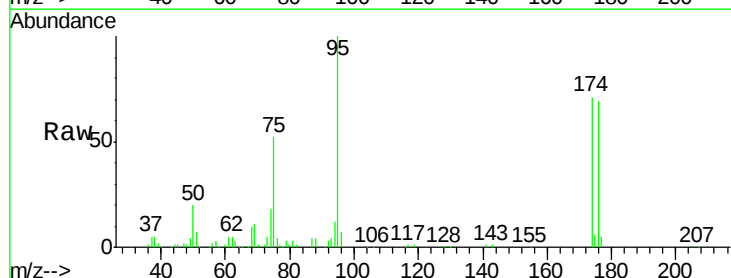
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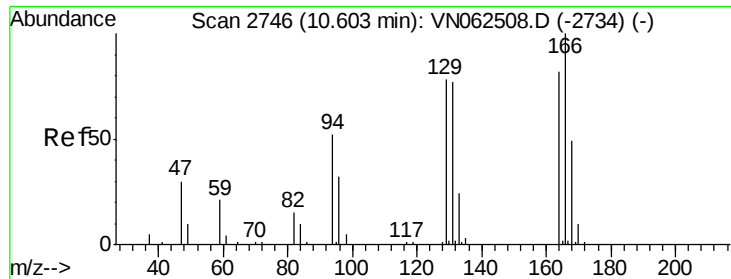
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 28.120 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.2	57.5	86.3
176	69.0	56.3	84.5





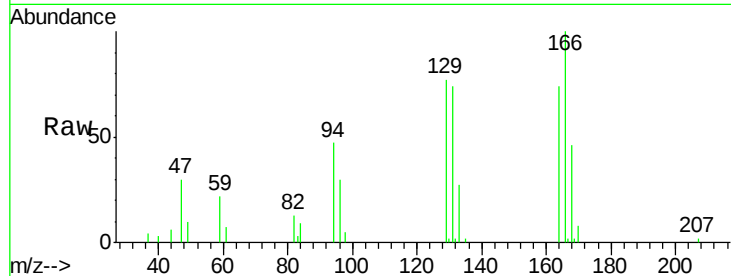
#61
Tetrachloroethene
Concen: 5.536 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
164	100		
166	134.6	97.7	146.5
129	103.3	77.0	115.4
131	100.2	75.0	112.6

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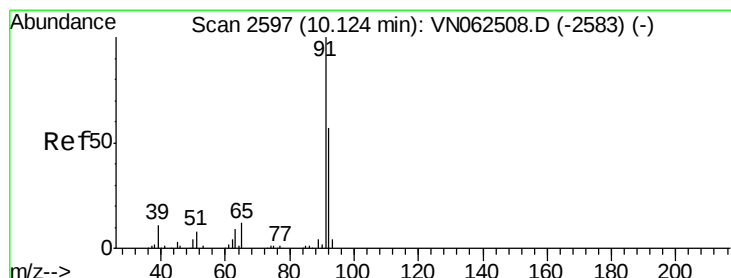
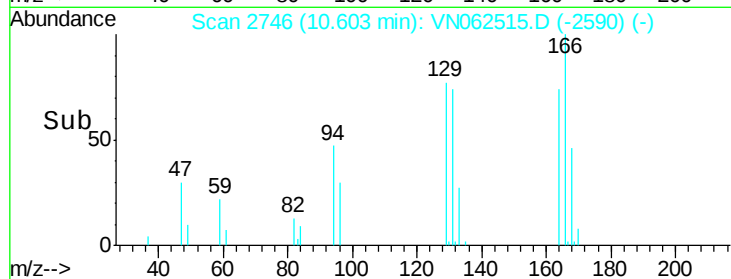
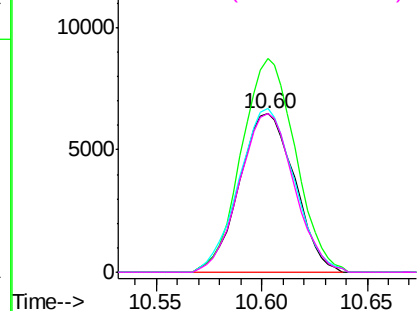


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

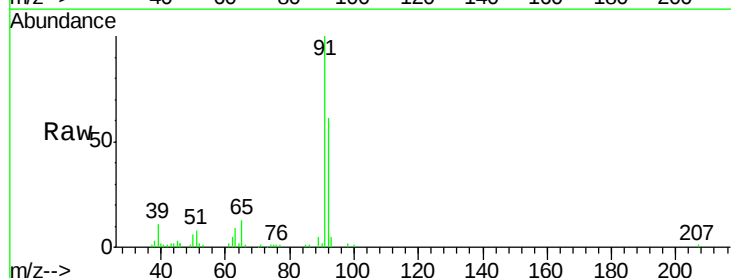
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



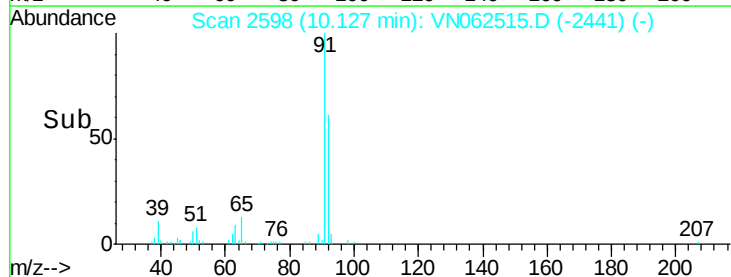
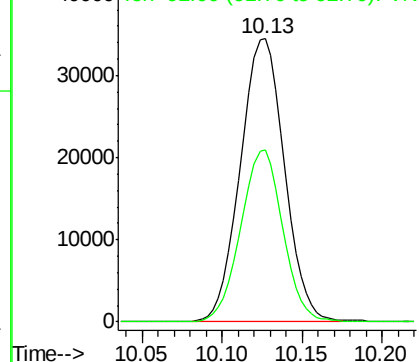
#62
Toluene
Concen: 5.490 ug/l
RT: 10.13 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

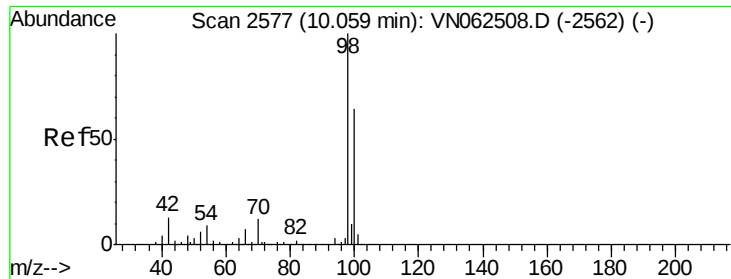
Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.7	45.8	68.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





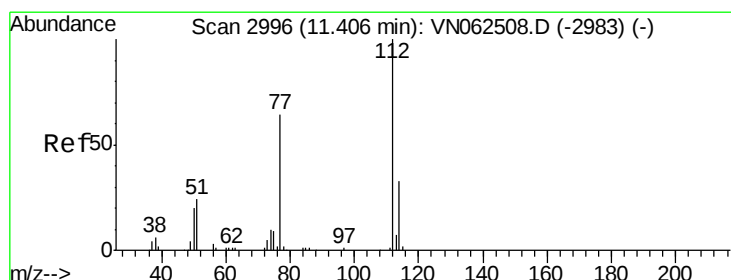
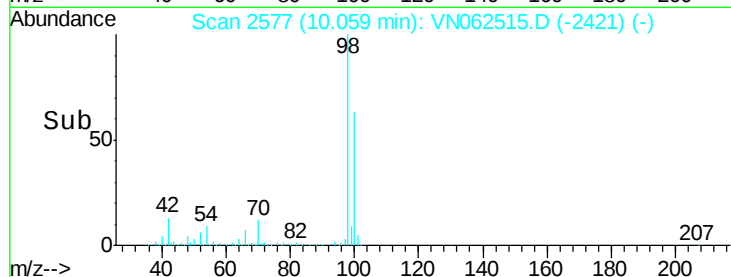
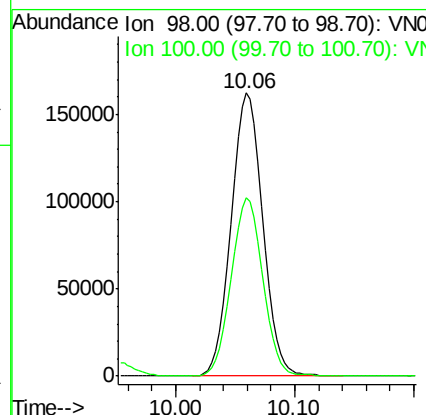
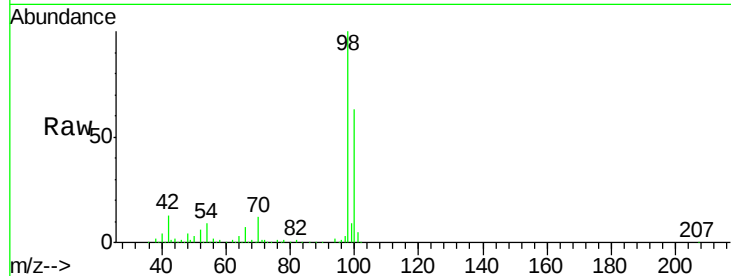
#63
Toluene-d8
Concen: 30.354 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion: 98 Resp: 298917
Ion Ratio Lower Upper
98 100
100 63.0 50.4 75.6

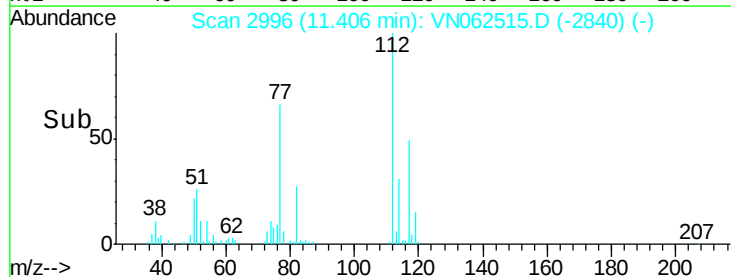
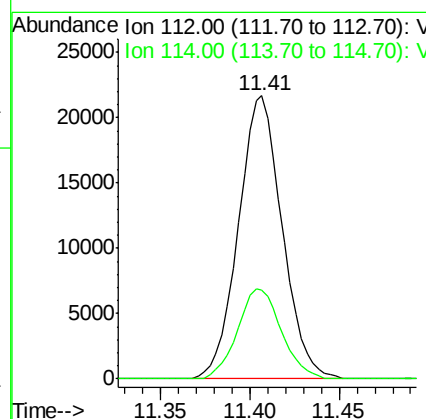
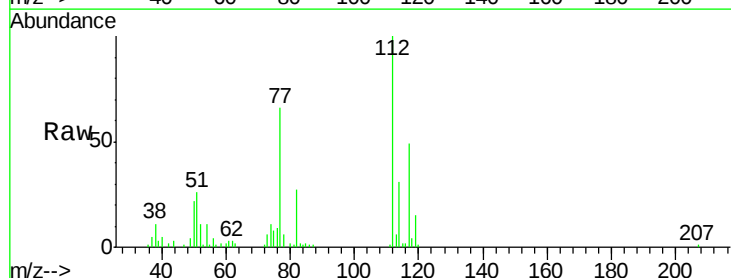
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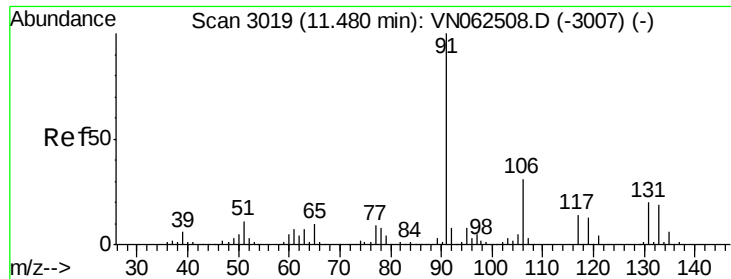
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#64
Chlorobenzene
Concen: 5.330 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion: 112 Resp: 37029
Ion Ratio Lower Upper
112 100
114 31.5 26.0 39.0





#65

1,1,1,2-Tetrachloroethane

Concen: 5.296 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:131 Resp: 13619

Ion Ratio Lower Upper

131 100

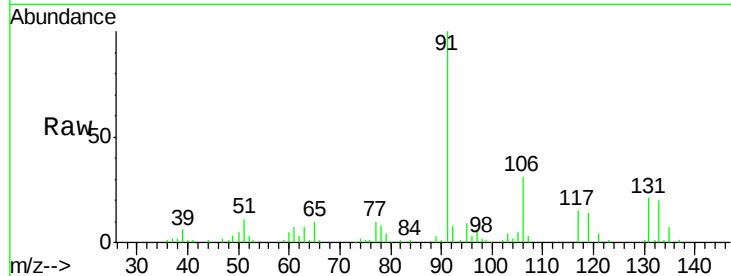
133 97.5 0.0 191.4

119 69.9 0.0 136.2

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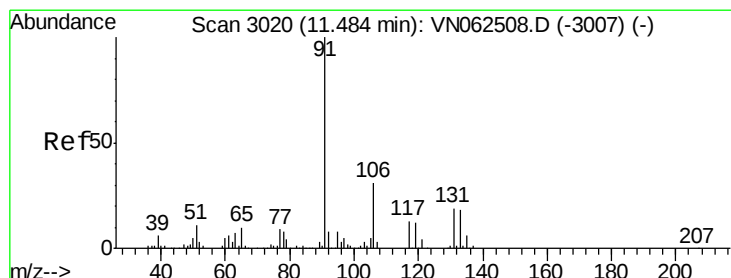
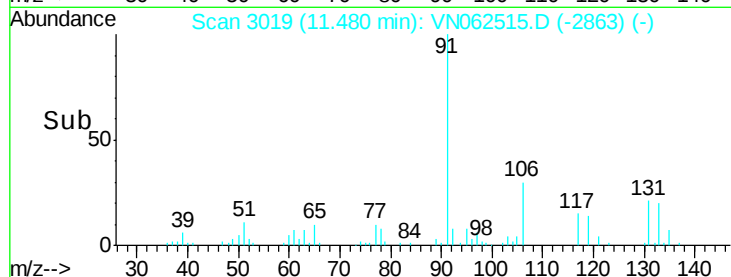
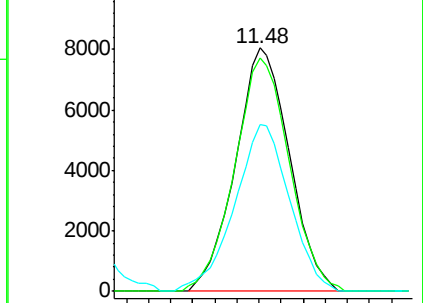
7/14/2020 11:36:54 AM



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 5.167 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062515.D

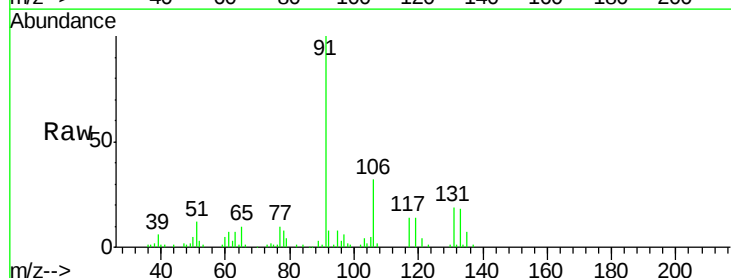
Acq: 13 Jul 2020 14:46

Tgt Ion: 91 Resp: 67652

Ion Ratio Lower Upper

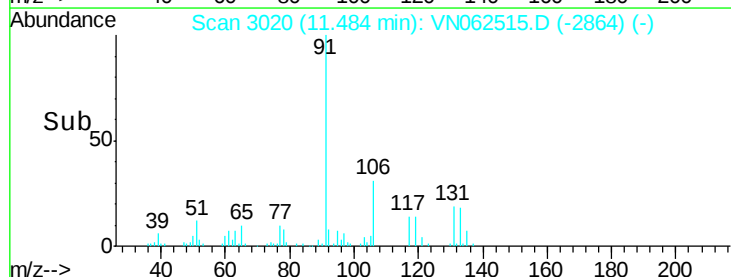
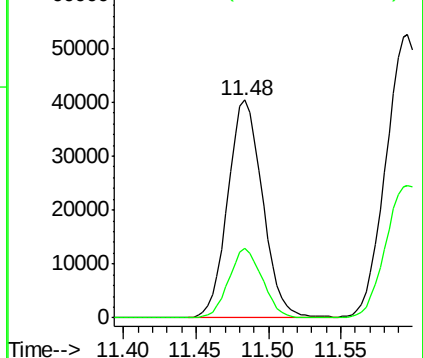
91 100

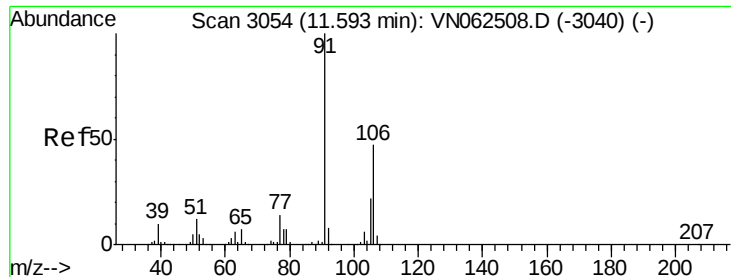
106 31.8 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 10.277 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:106 Resp: 48839

Ion Ratio Lower Upper

106 100

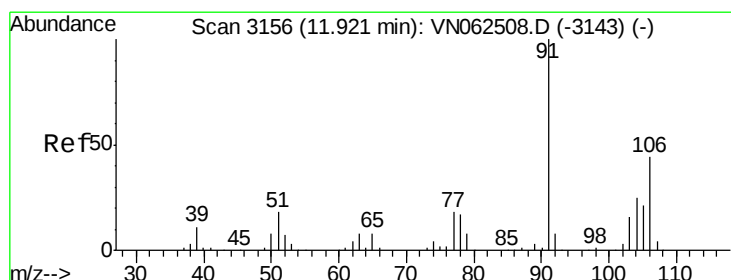
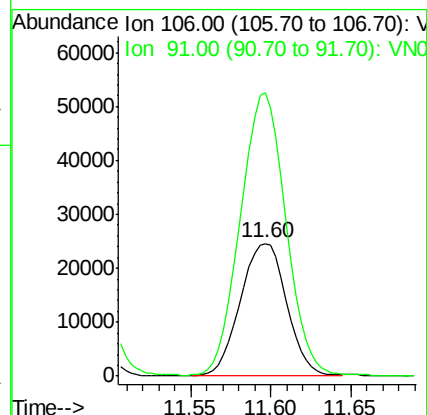
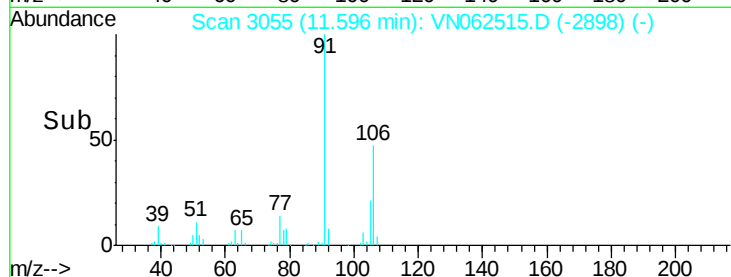
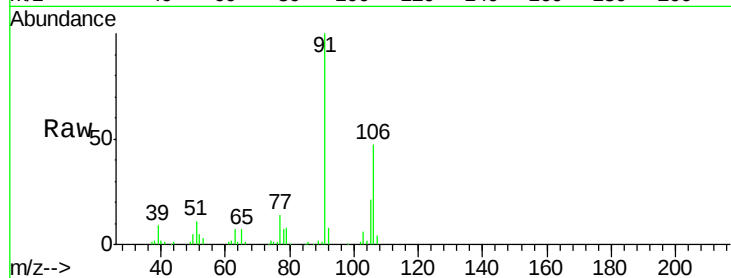
91 208.3 170.7 256.1

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#68

o-Xylene

Concen: 5.043 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN062515.D

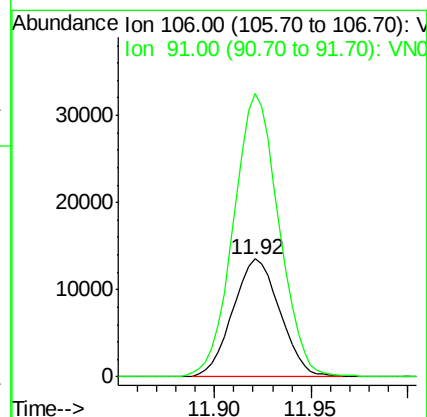
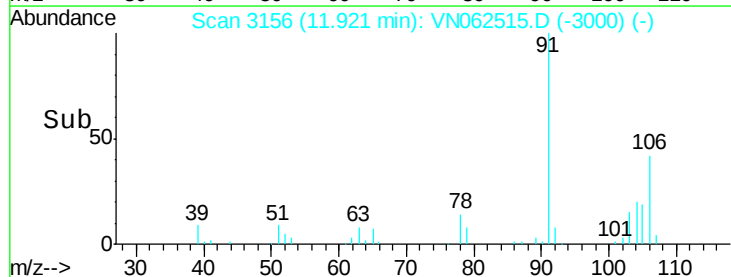
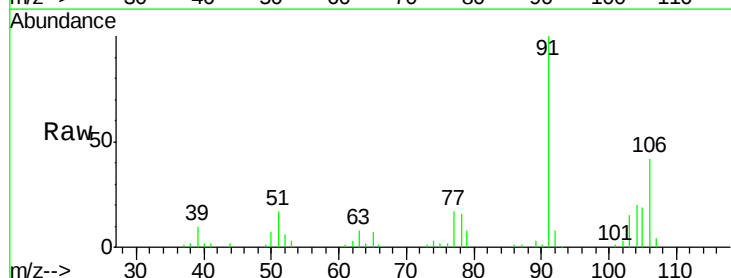
Acq: 13 Jul 2020 14:46

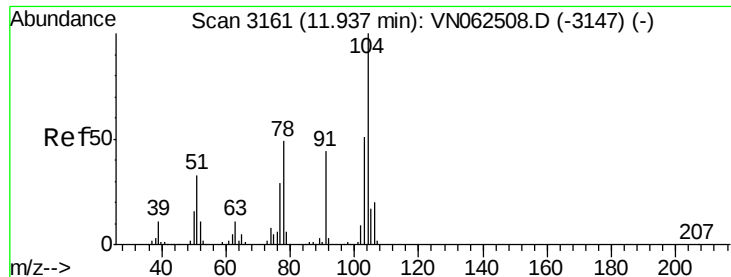
Tgt Ion:106 Resp: 23001

Ion Ratio Lower Upper

106 100

91 231.5 113.9 341.6





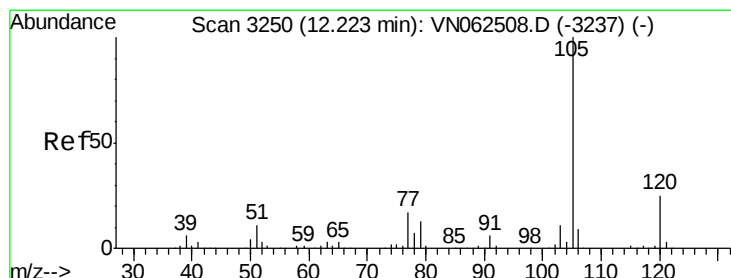
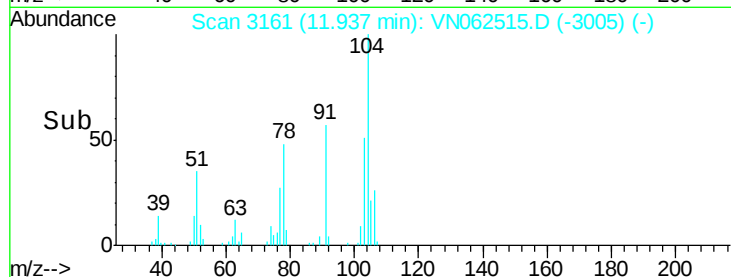
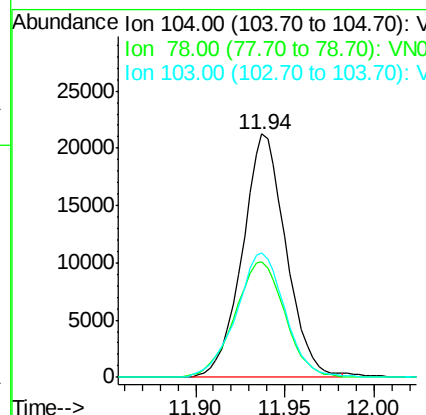
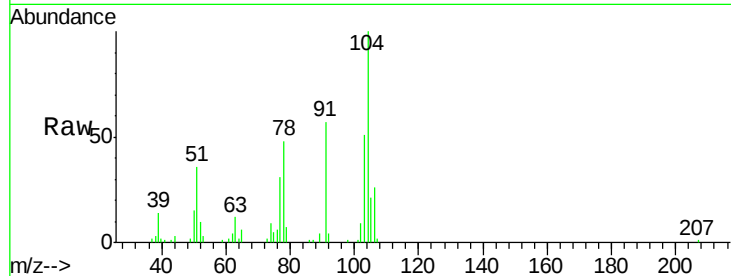
#69
Stvrene
Concen: 4.693 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.5	43.9	65.9
103	56.9	43.8	65.6

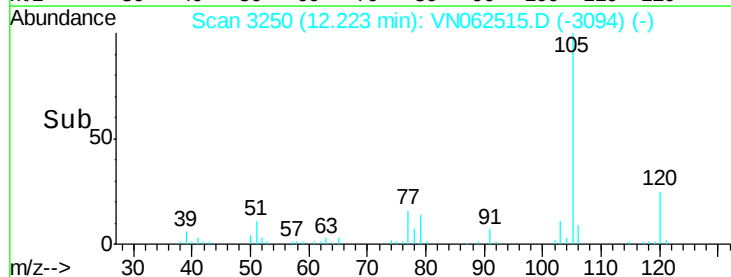
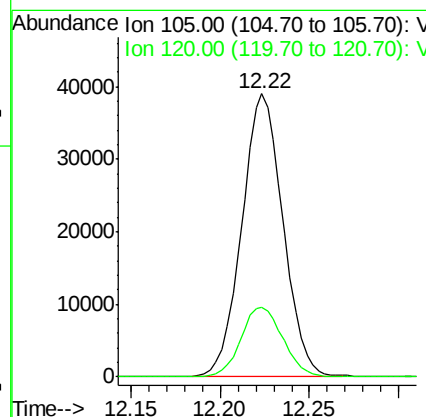
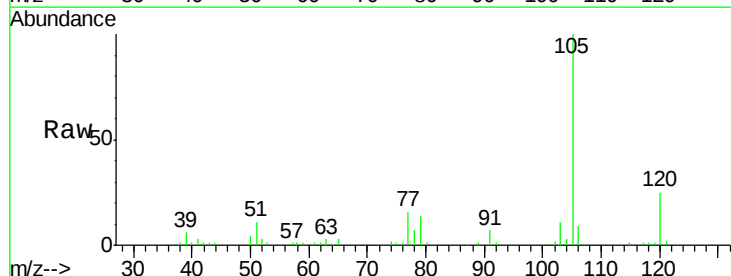
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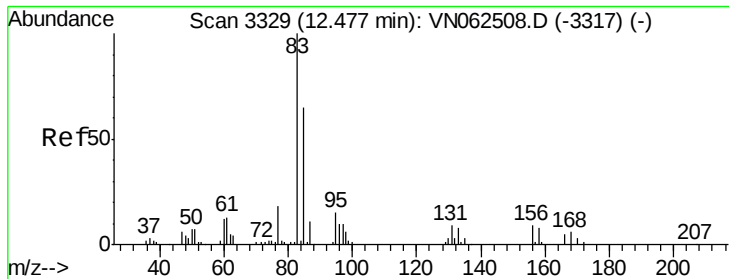
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#70
Isopropylbenzene
Concen: 5.145 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.1	17.6	32.8





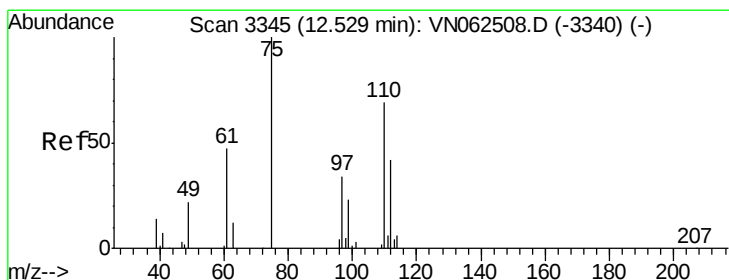
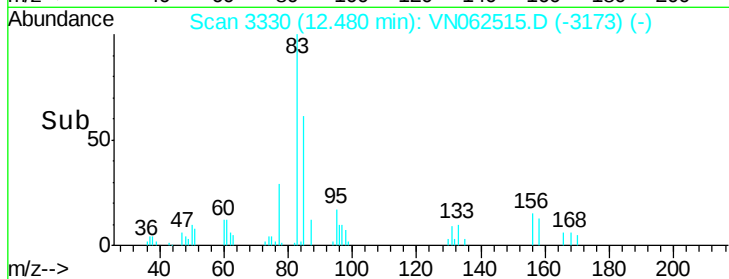
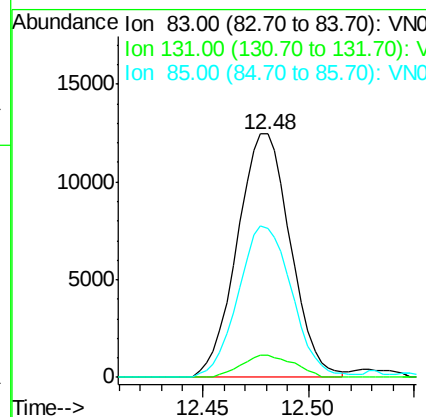
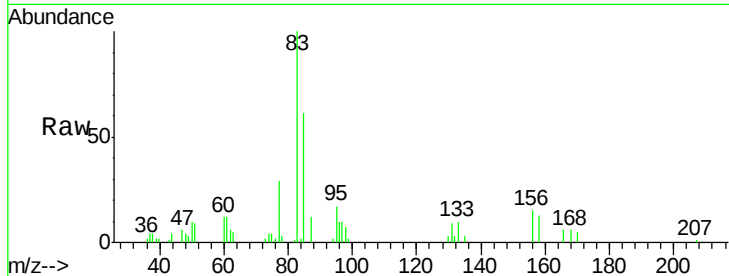
#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.516 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.7
85	62.9	32.5	97.4

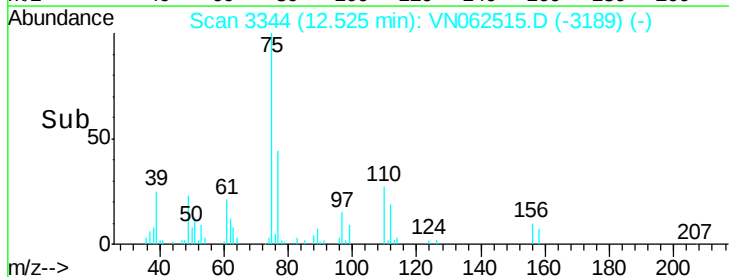
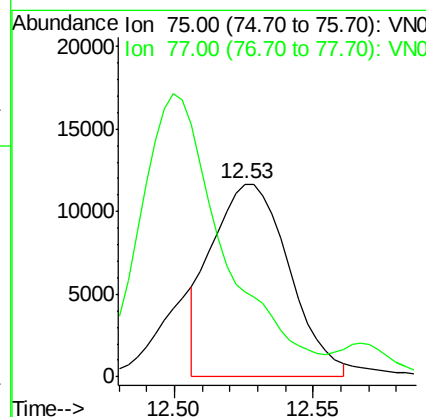
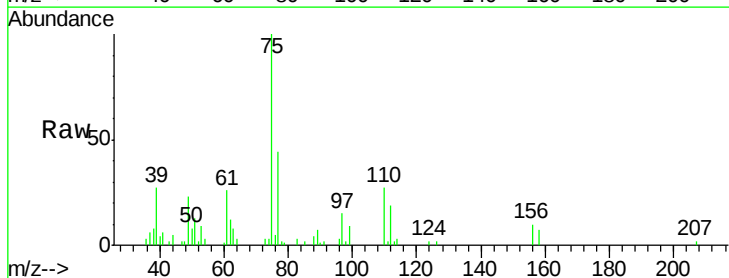
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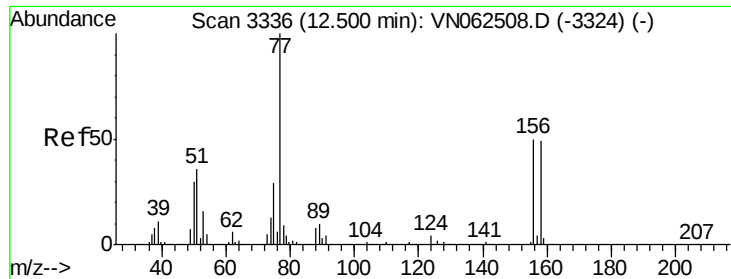
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#72
 1,2,3-Trichloropropane
 Concen: 5.840 ug/l m
 RT: 12.53 min Scan# 3344
 Delta R.T. -0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	161.2	0.0	376.2





#73

Bromobenzene

Concen: 5.202 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

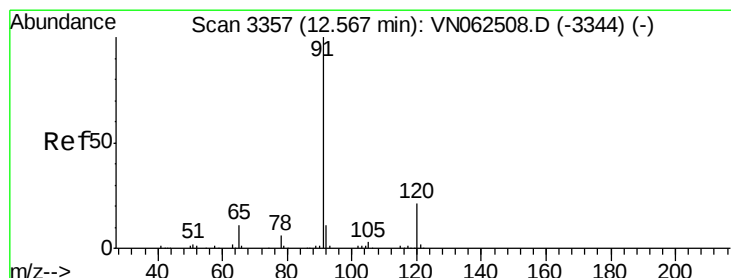
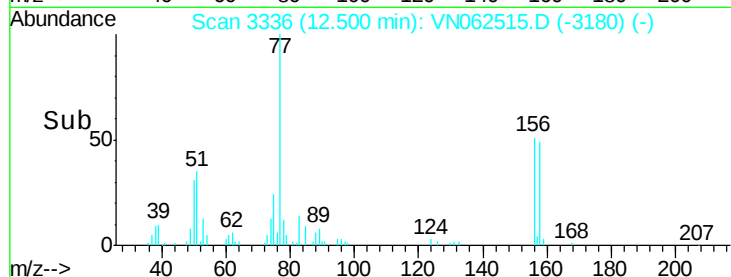
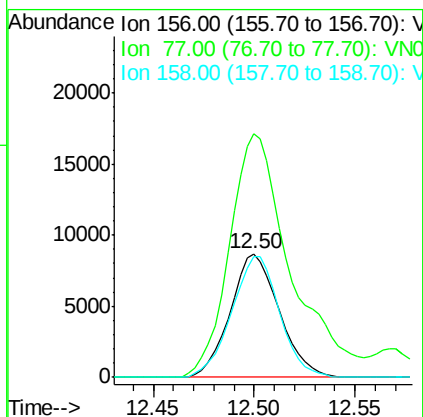
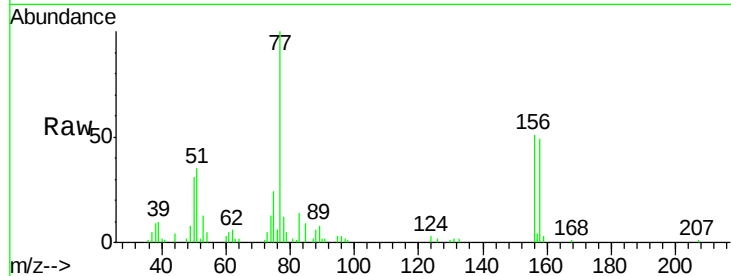
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:156 Resp: 14748
 Ion Ratio Lower Upper
 156 100
 77 245.7 0.0 485.0
 158 95.9 0.0 192.6

Manual Integrations
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#74

n-propylbenzene

Concen: 4.932 ug/l

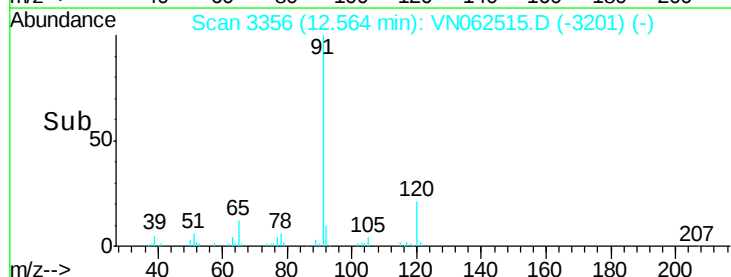
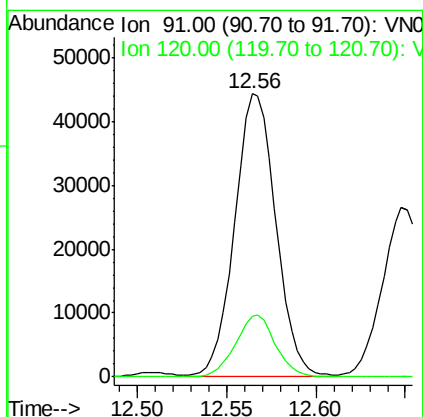
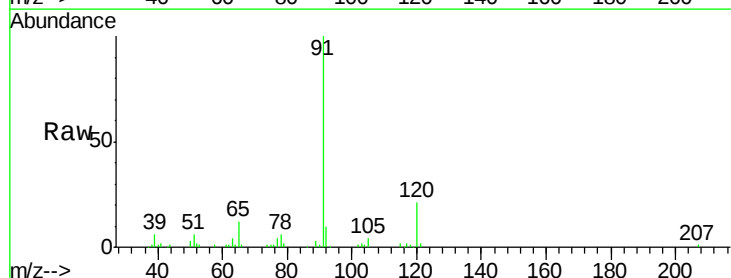
RT: 12.56 min Scan# 3356

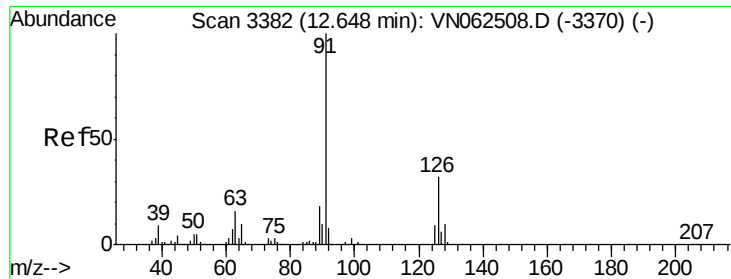
Delta R.T. -0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Tgt Ion: 91 Resp: 71772
 Ion Ratio Lower Upper
 91 100
 120 21.0 0.0 42.8





#75

2-Chlorotoluene

Concen: 5.099 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 91 Resp: 44674

Ion Ratio Lower Upper

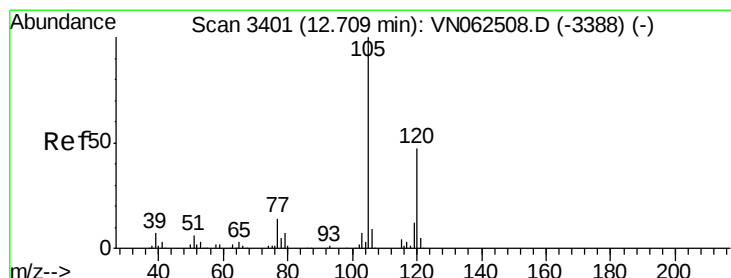
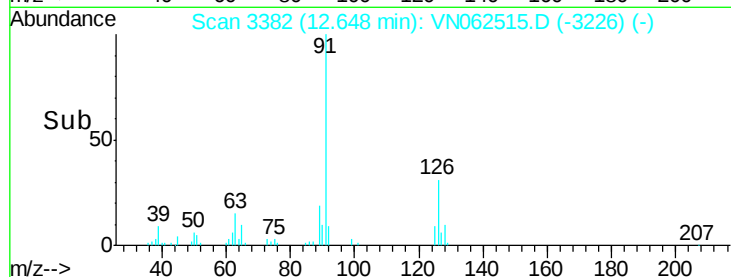
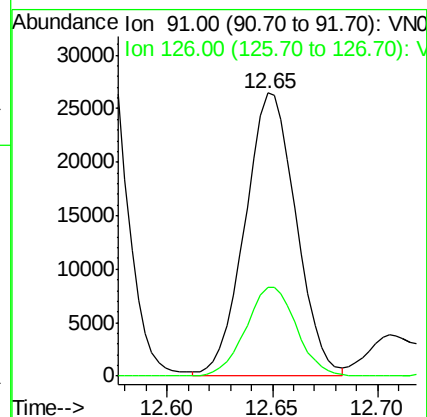
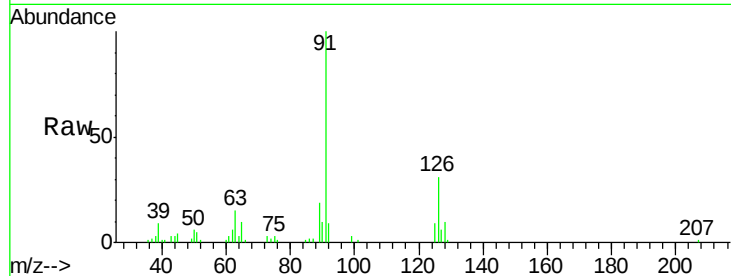
91 100

126 31.0 0.0 62.2

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7/14/2020 11:36:54 AM



#76

1,3,5-Trimethylbenzene

Concen: 5.005 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062515.D

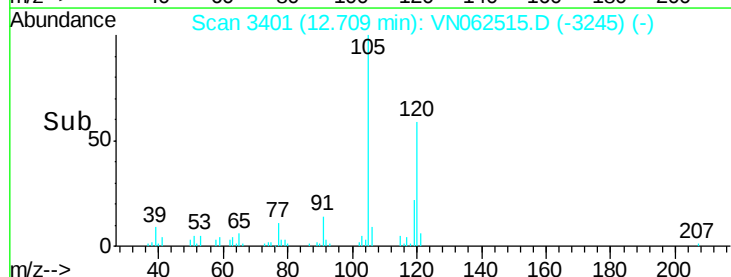
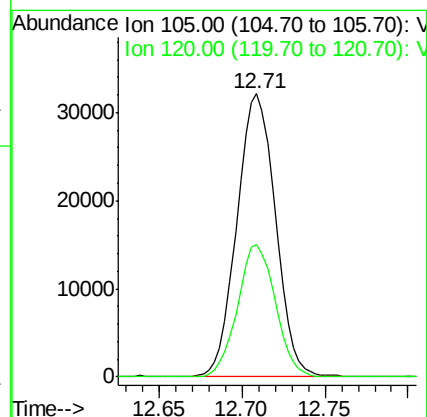
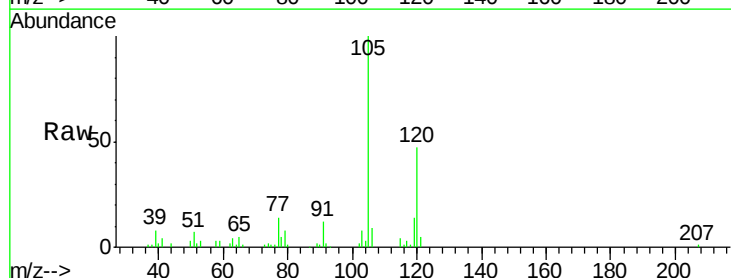
Acq: 13 Jul 2020 14:46

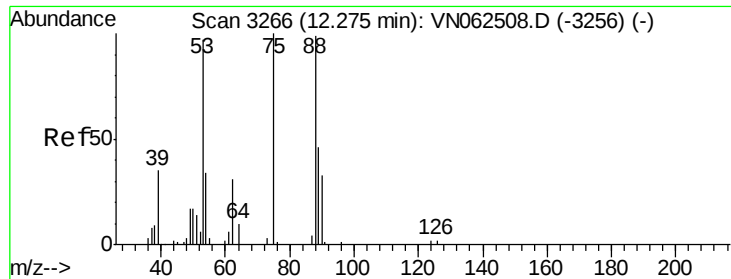
Tgt Ion: 105 Resp: 52213

Ion Ratio Lower Upper

105 100

120 45.7 0.0 95.0





#77

t-1,4-Dichloro-2-butene

Concen: 4.527 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

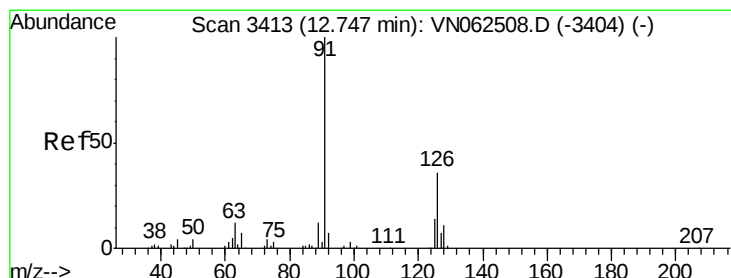
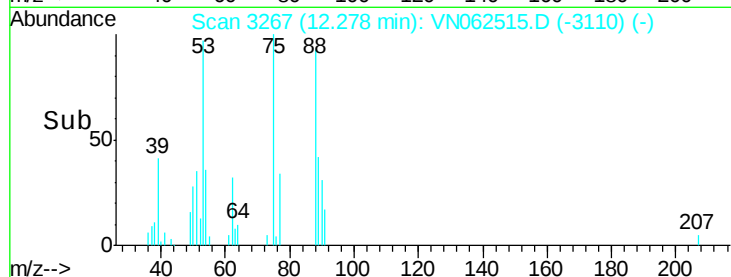
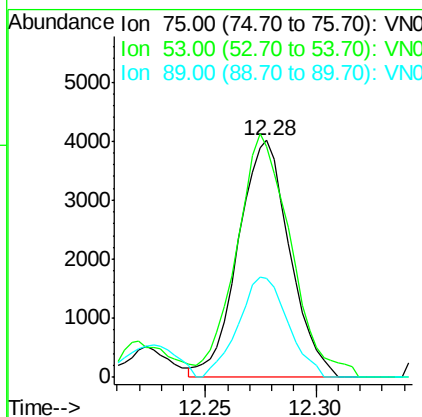
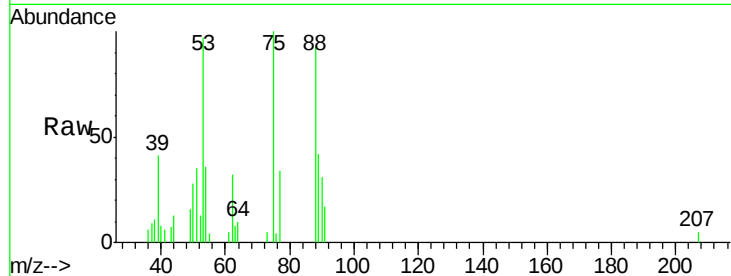
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:	75	Resp:	6516
Ion	Ratio	Lower	Upper
75	100		
53	91.9	48.3	144.8
89	41.6	23.3	69.8

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#78

4-Chlorotoluene

Concen: 4.919 ug/l

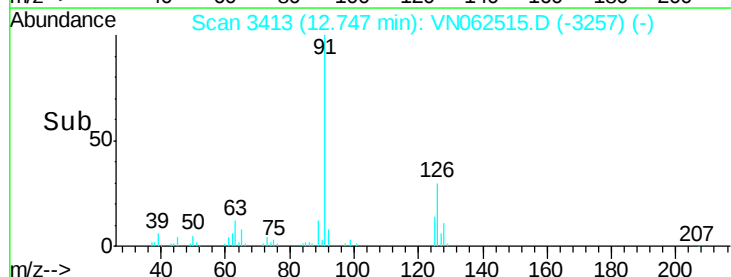
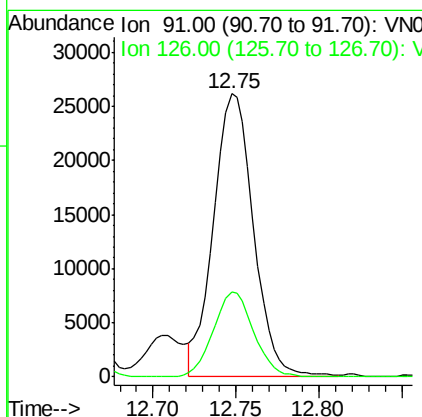
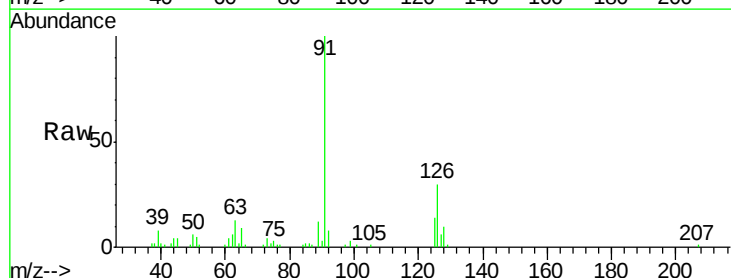
RT: 12.75 min Scan# 3413

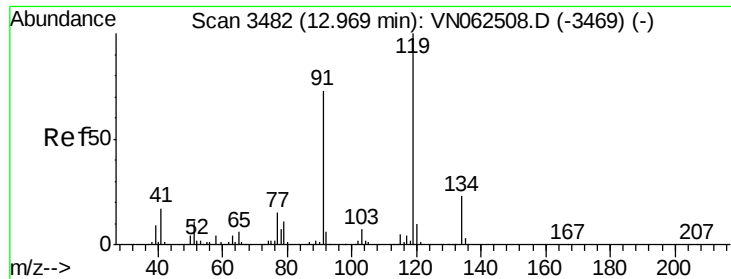
Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Tgt Ion:	91	Resp:	43981
Ion	Ratio	Lower	Upper
91	100		
126	30.2	0.0	62.2





#79

tert-butylbenzene

Concen: 5.016 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

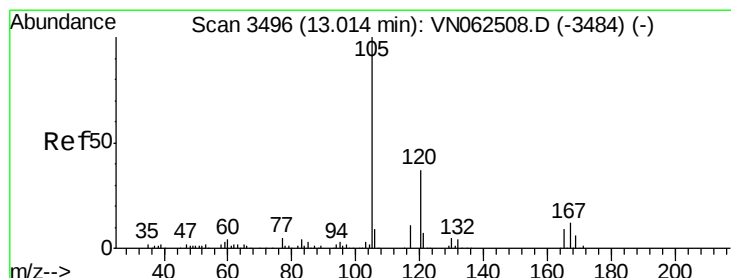
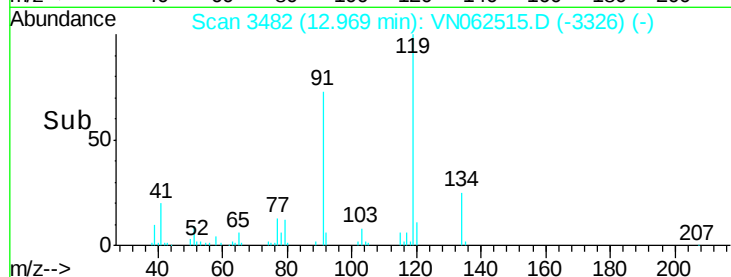
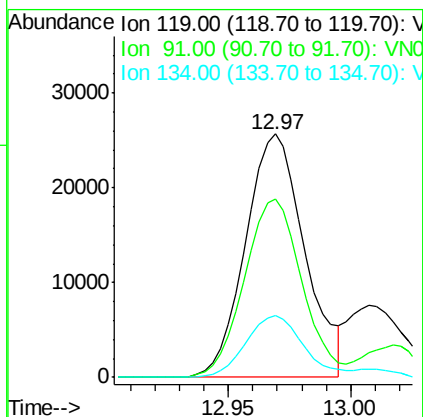
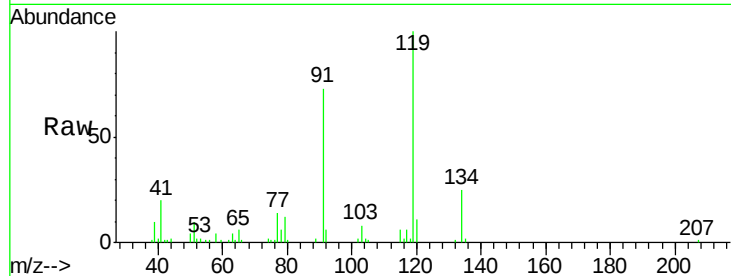
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:	119	Resp:	43324
Ion Ratio	Lower	Upper	
119	100		
91	71.1	0.0	139.8
134	24.4	0.0	45.0

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#80

1,2,4-Trimethylbenzene

Concen: 4.785 ug/l

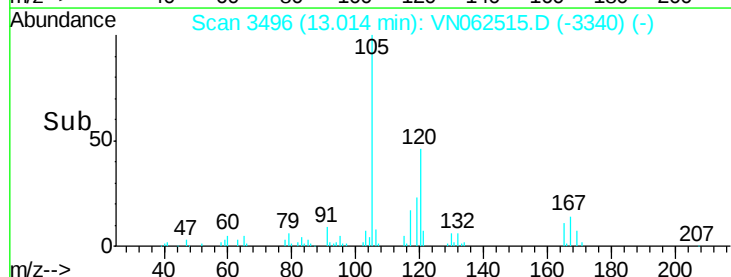
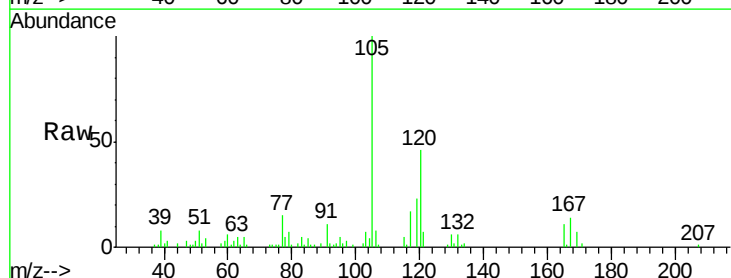
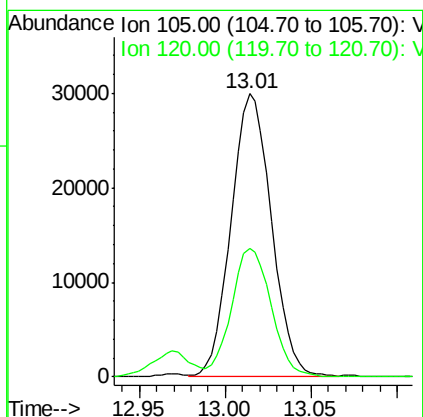
RT: 13.01 min Scan# 3496

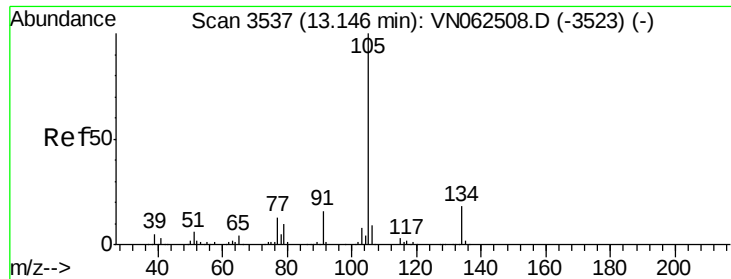
Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Tgt Ion:	105	Resp:	49089
Ion Ratio	Lower	Upper	
105	100		
120	44.6	0.0	86.6





#81

sec-Butylbenzene

Concen: 4.883 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:105 Resp: 56644

Ion Ratio Lower Upper

105 100

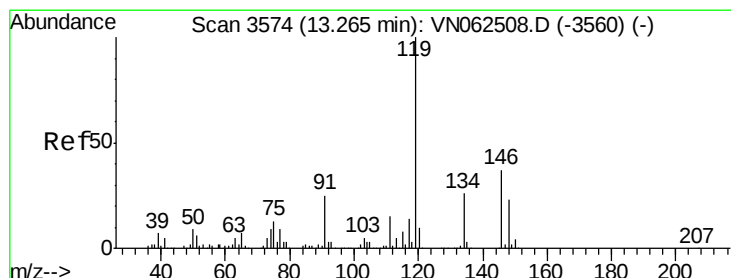
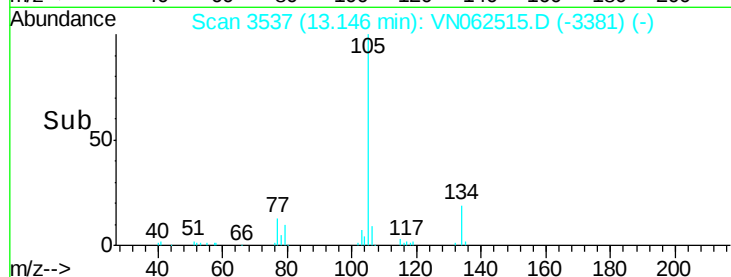
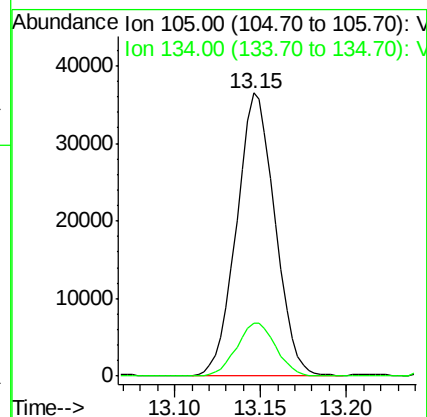
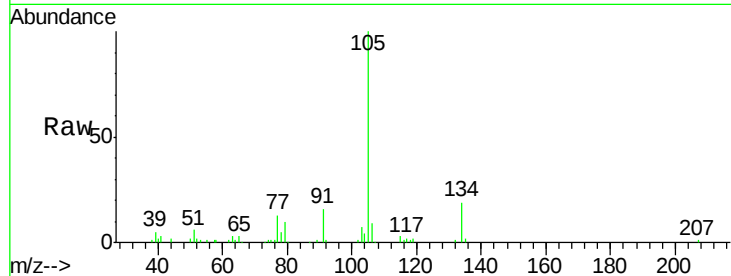
134 19.0 0.0 37.2

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#82

p-Isopropyltoluene

Concen: 4.664 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

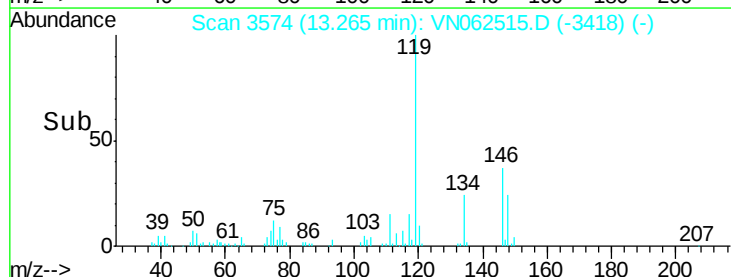
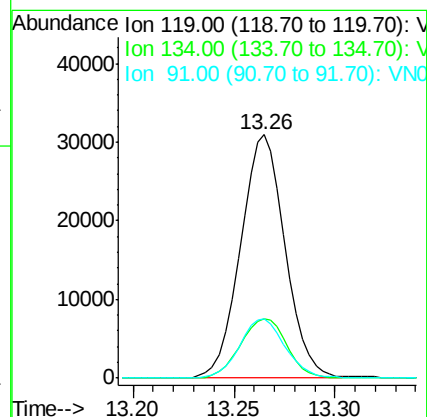
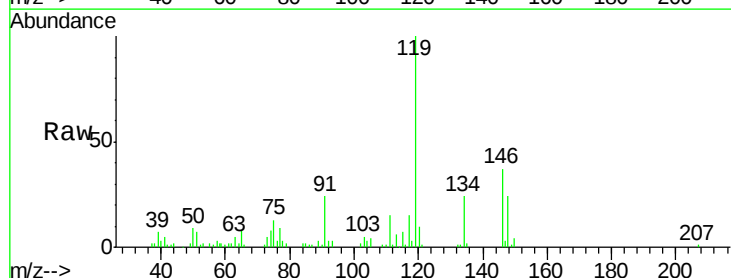
Tgt Ion:119 Resp: 47740

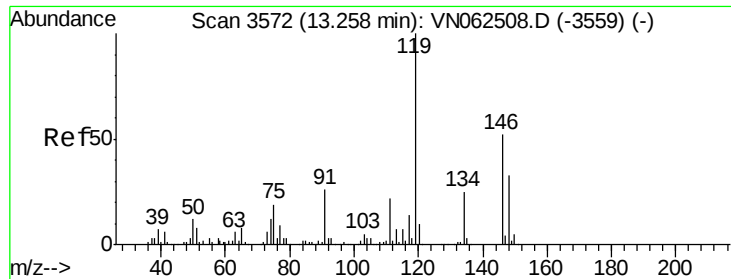
Ion Ratio Lower Upper

119 100

134 25.5 0.0 50.8

91 24.9 0.0 51.2





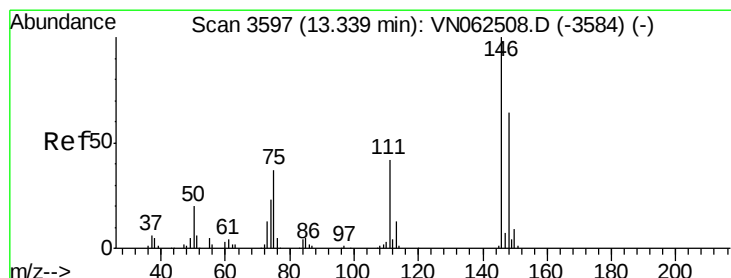
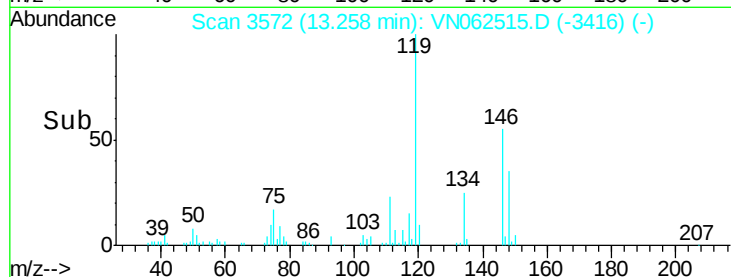
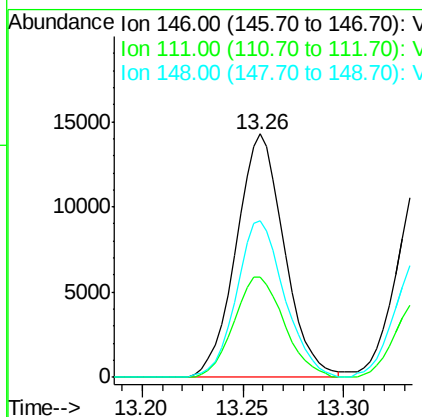
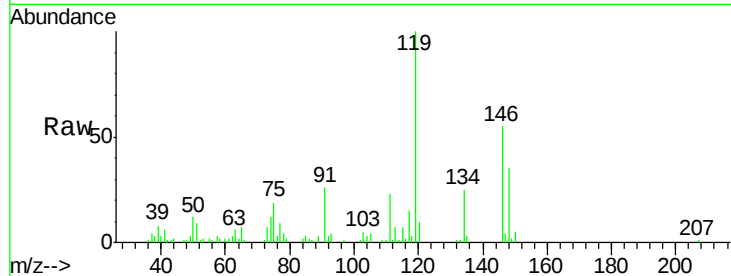
#83
 1,3-Dichlorobenzene
 Concen: 4.836 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.0	63.0
148	64.2	31.7	95.1

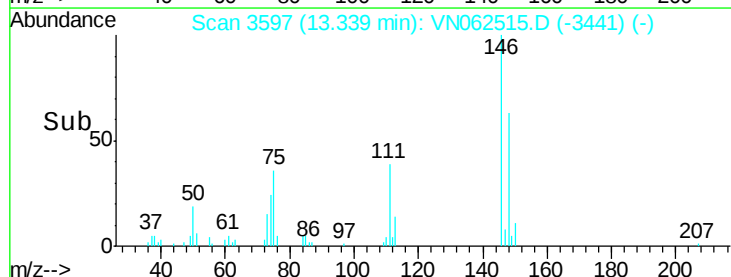
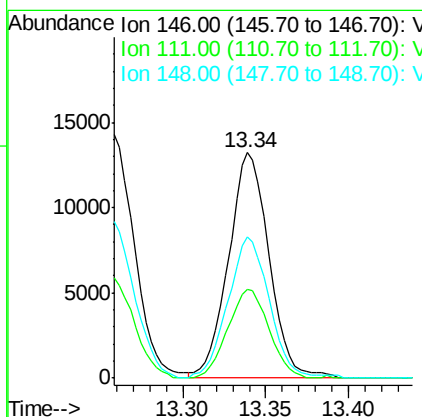
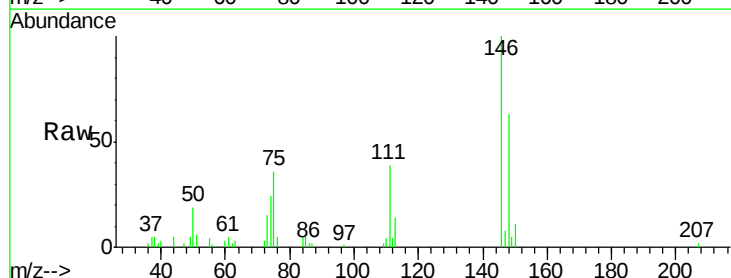
Manual Integrations
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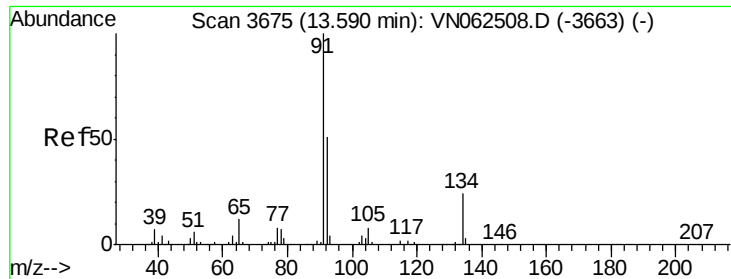
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#84
 1,4-Dichlorobenzene
 Concen: 4.634 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	21.4	64.2
148	63.4	32.4	97.2





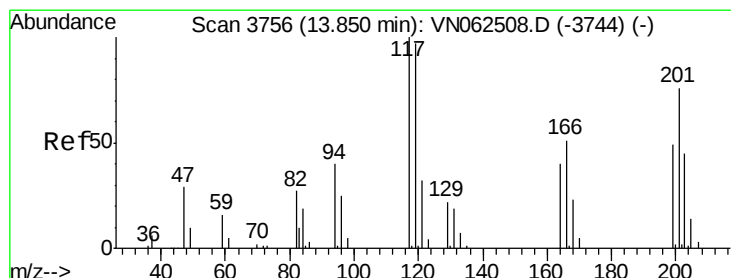
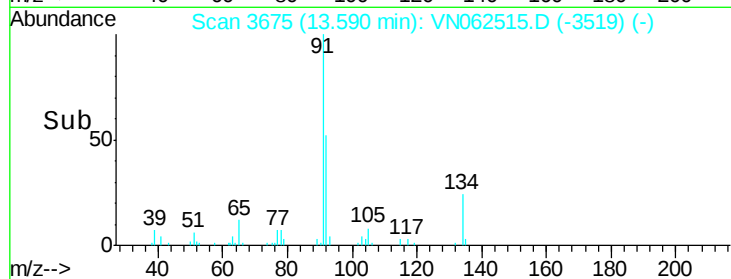
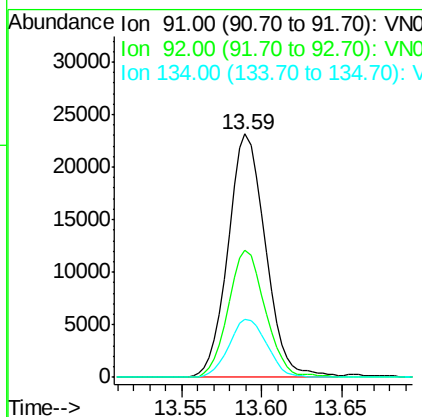
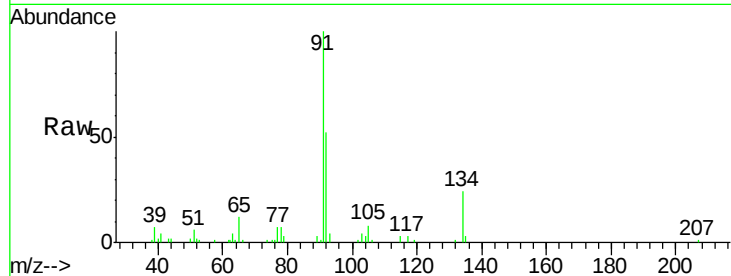
#85
n-Butylbenzene
Concen: 4.205 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	0.0	102.4
134	24.0	0.0	46.6

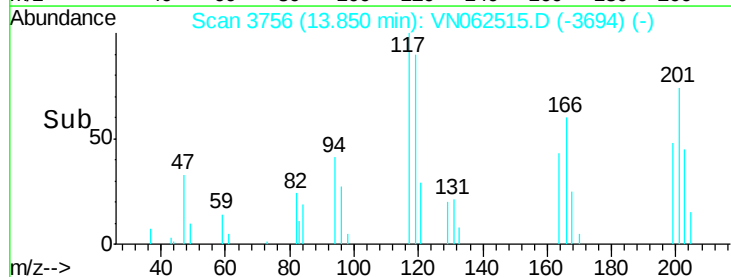
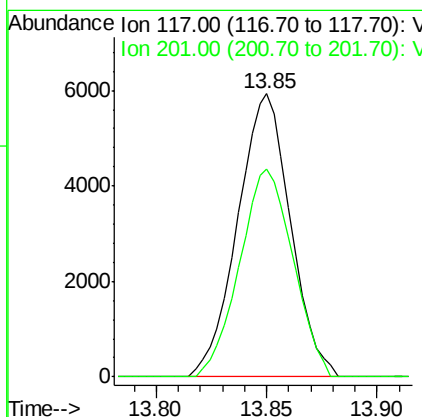
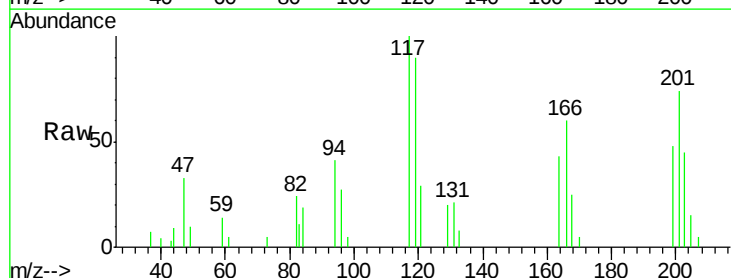
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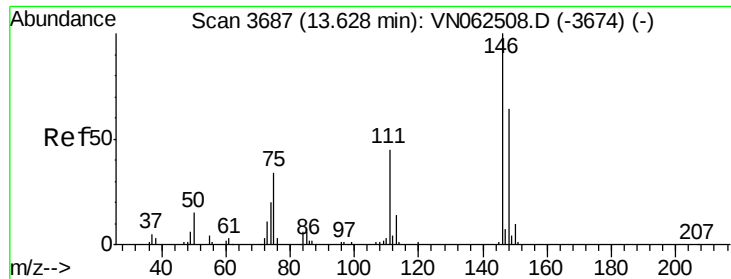
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#86
Hexachloroethane
Concen: 4.981 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.2	37.4	112.2





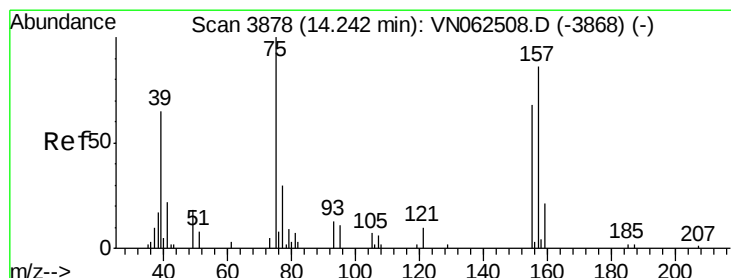
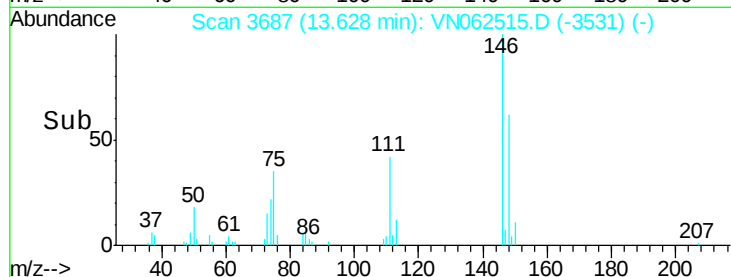
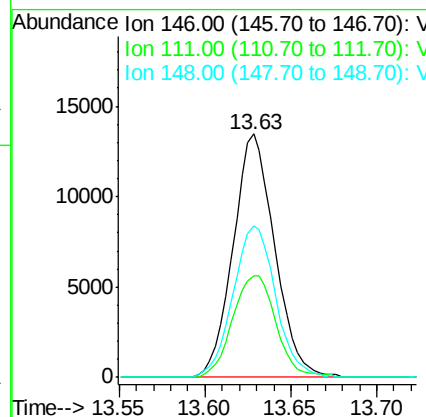
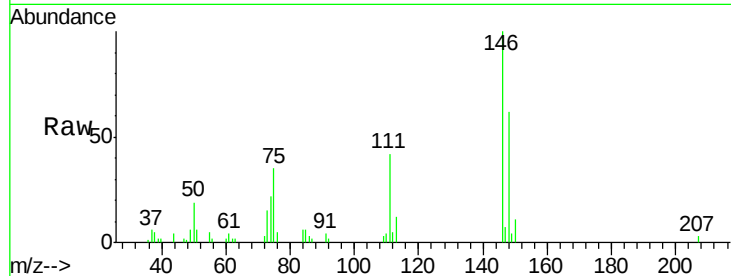
#87
 1,2-Dichlorobenzene
 Concen: 4.778 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.4	67.0
148	63.4	32.1	96.3

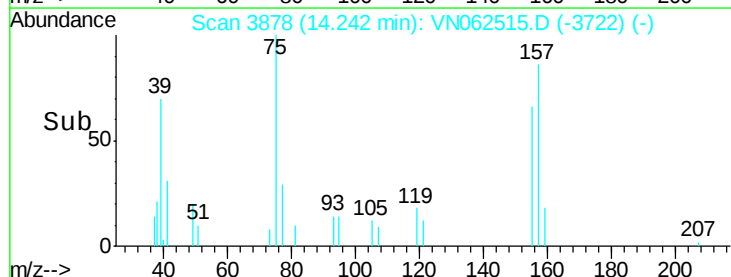
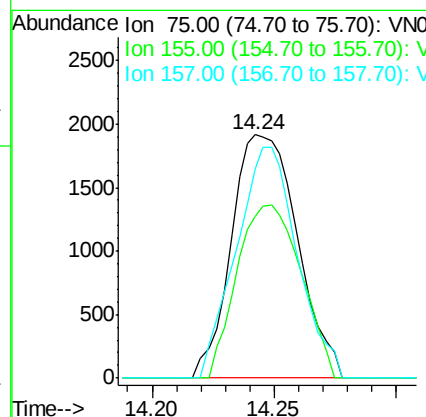
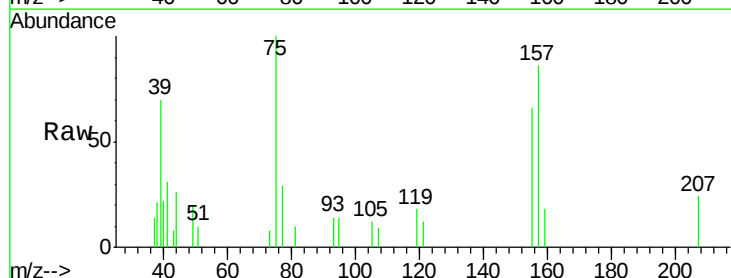
Manual Integrations
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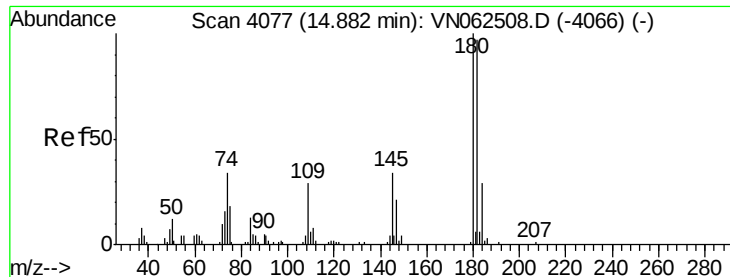
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 7/14/2020 11:36:54 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.808 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.1	55.7	83.5
157	87.9	71.0	106.6





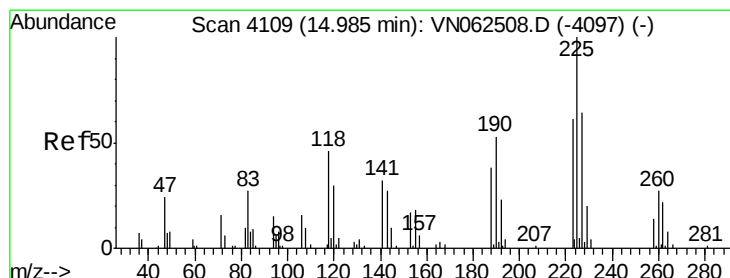
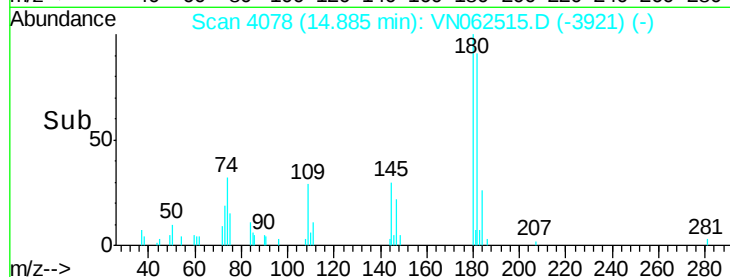
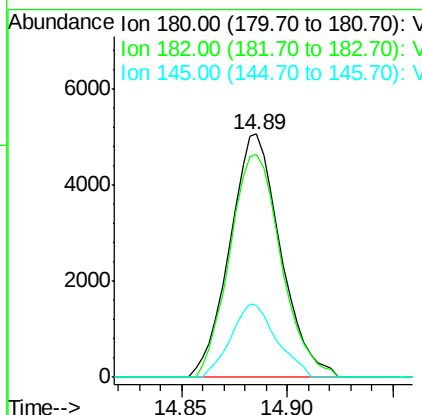
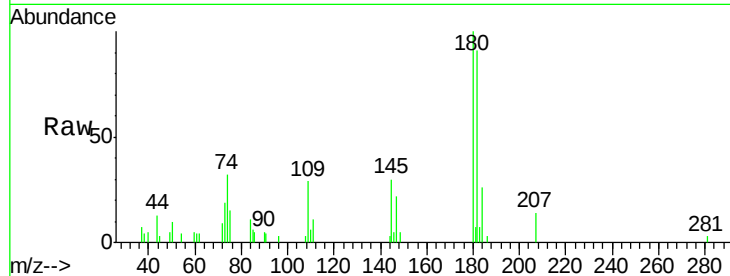
#89
 1,2,4-Trichlorobenzene
 Concen: 3.595 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.7	77.5	116.3
145	27.1	26.1	39.1

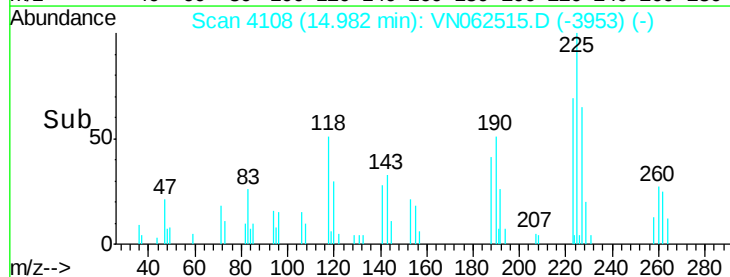
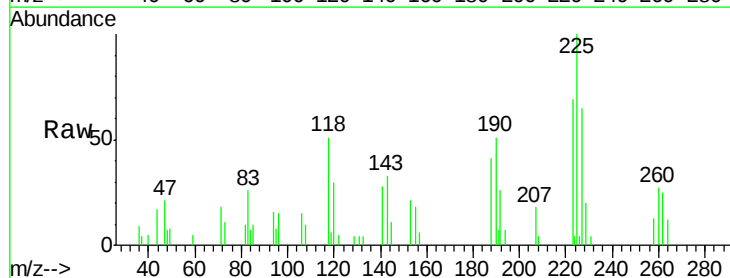
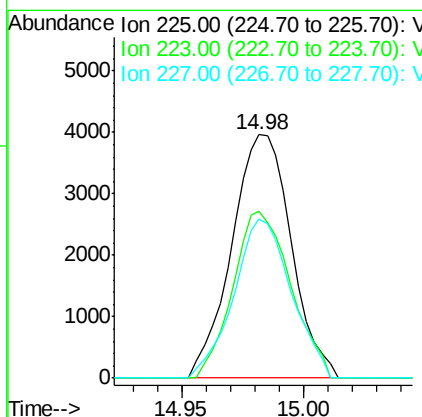
Manual Integrations
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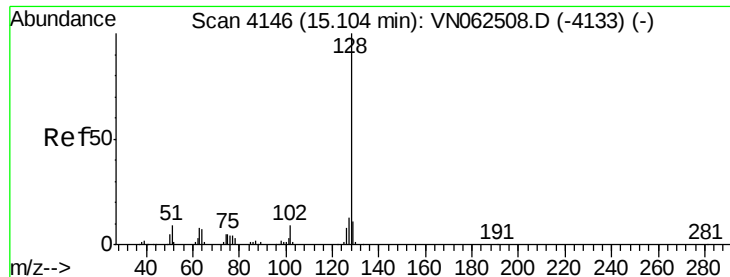
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#90
 Hexachlorobutadiene
 Concen: 5.122 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.5	0.0	120.4
227	63.1	0.0	129.6





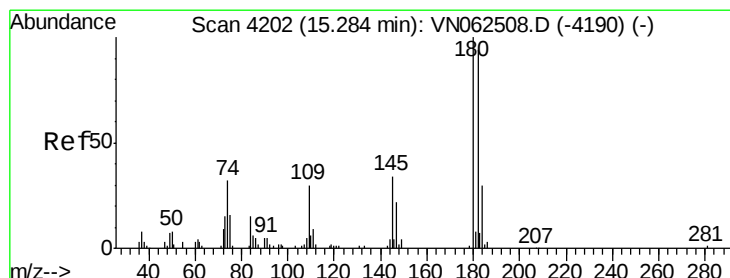
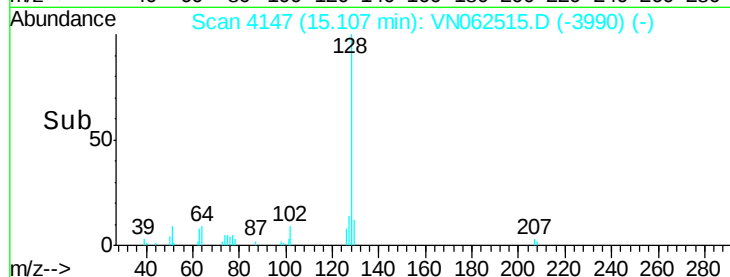
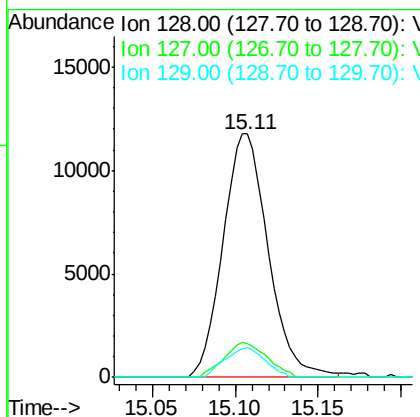
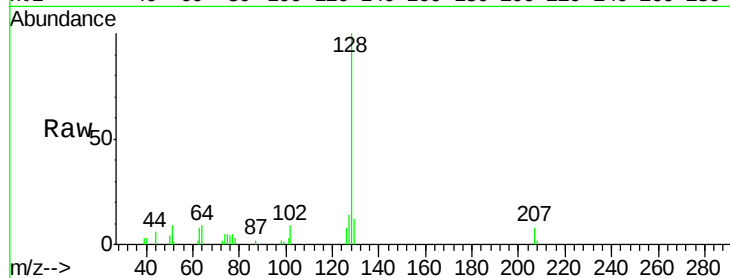
#91
Naphthalene
Concen: 3.482 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.0	15.0
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:54 AM



#92
1,2,3-Trichlorobenzene
Concen: 3.878 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	0.0	187.2
145	34.8	0.0	67.8

