

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071020\
 Data File : VN062491.D
 Acq On : 10 Jul 2020 14:18
 Operator : JC/MD
 Sample : L3216-08 5PPB L00
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 11:19:34 AM

Quant Time: Jul 11 03:58:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 11 03:18:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	189435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	326762	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	292180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	117801	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	141153	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
35) Dibromofluoromethane	7.55	113	100714	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	10.06	98	382448	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
62) 4-Bromofluorobenzene	12.38	95	132985	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	10555	5.470	ug/l 88
3) Chloromethane	2.03	50	16619	5.368	ug/l 98
4) Vinyl Chloride	2.16	62	13905	5.482	ug/l 95
5) Bromomethane	2.52	94	7504	5.508	ug/l 98
6) Chloroethane	2.66	64	8592	5.816	ug/l 98
7) Trichlorofluoromethane	2.98	101	18153	5.635	ug/l 99
8) Diethyl Ether	3.37	74	7988	5.545	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	10737	5.622	ug/l 97
10) Methyl Iodide	3.91	142	10738	4.258	ug/l 99
11) Tert butyl alcohol	4.74	59	13695	28.334	ug/l # 88
12) 1,1-Dichloroethene	3.70	96	10877	5.594	ug/l 95
13) Acrolein	3.57	56	8460	24.264	ug/l 97
14) Allyl chloride	4.28	41	23455	5.129	ug/l 98
15) Acrylonitrile	4.94	53	33446	26.384	ug/l 100
16) Acetone	3.78	43	30055	24.296	ug/l 100
17) Carbon Disulfide	4.01	76	33672	5.527	ug/l 100
18) Methyl Acetate	4.28	43	16953	5.491	ug/l 100
19) Methyl tert-butyl Ether	4.99	73	39692	5.384	ug/l 99
20) Methylene Chloride	4.50	84	14736	5.571	ug/l 86
21) trans-1,2-Dichloroethene	4.99	96	11830	5.616	ug/l 81
22) Diisopropyl ether	5.90	45	48157	5.330	ug/l # 85
23) Vinyl Acetate	5.85	43	192326	25.698	ug/l 99
24) 1,1-Dichloroethane	5.80	63	25337	5.427	ug/l 97
25) 2-Butanone	6.79	43	46156	25.548	ug/l 99
26) 2,2-Dichloropropane	6.78	77	18918	5.285	ug/l 100
27) cis-1,2-Dichloroethene	6.79	96	13458	5.516	ug/l 97
28) Bromochloromethane	7.15	49	11988	4.726	ug/l # 94
29) Tetrahydrofuran	7.17	42	31605	25.984	ug/l 99
30) Chloroform	7.33	83	23791	5.644	ug/l 96
31) Cyclohexane	7.62	56	25464	5.754	ug/l # 75
32) 1,1,1-Trichloroethane	7.53	97	19389	5.530	ug/l 98
36) 1,1-Dichloropropene	7.75	75	17200	5.225	ug/l 99
37) Ethyl Acetate	6.89	43	19853	5.157	ug/l # 93
38) Carbon Tetrachloride	7.73	117	16616	5.614	ug/l 97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	18847	5.362	ug/l	97
40) Benzene	8.00	78	54982	5.667	ug/l	99
41) Methacrylonitrile	7.13	41	8428	5.240	ug/l	93
42) 1,2-Dichloroethane	8.09	62	20213	5.690	ug/l	99
43) Isopropyl Acetate	8.13	43	31914	5.248	ug/l	95
44) Trichloroethene	8.80	130	11447	5.317	ug/l	95
45) 1,2-Dichloropropane	9.09	63	14535	5.160	ug/l	96
46) Dibromomethane	9.17	93	8793	5.532	ug/l	98
47) Bromodichloromethane	9.37	83	18304	5.386	ug/l	98
48) Methyl methacrylate	9.17	41	15283	5.123	ug/l	98
49) 1,4-Dioxane	9.17	88	4693	108.090	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	93897	25.852	ug/l	100
52) Toluene	10.12	92	30946	5.522	ug/l	99
53) t-1,3-Dichloropropene	10.36	75	19355	5.084	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	21435	5.103	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	12389	5.621	ug/l	96
56) Ethyl methacrylate	10.40	69	18223	4.947	ug/l	98
57) 1,3-Dichloropropane	10.68	76	22529	5.532	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	28717	21.961	ug/l	98
59) 2-Hexanone	10.72	43	66119	25.075	ug/l	97
60) Dibromochloromethane	10.87	129	12933	5.411	ug/l	96
61) 1,2-Dibromoethane	10.98	107	12604	5.665	ug/l	95
64) Tetrachloroethene	10.60	164	9814	5.660	ug/l	95
65) Chlorobenzene	11.41	112	31960	5.628	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	11532	5.507	ug/l	97
67) Ethyl Benzene	11.48	91	55775	5.233	ug/l	99
68) m/p-Xylenes	11.59	106	39313	10.418	ug/l	99
69) o-Xylene	11.92	106	18971	5.164	ug/l	97
70) Styrene	11.94	104	31532	5.193	ug/l	97
71) Bromoform	12.10	173	8403	5.474	ug/l #	99
73) Isopropylbenzene	12.22	105	51689	5.670	ug/l	99
74) N-amyl acetate	12.05	43	22947	5.172	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	19416	6.335	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	17310m	5.989	ug/l	
77) Bromobenzene	12.50	156	12694	6.125	ug/l	92
78) n-propylbenzene	12.57	91	59559	5.593	ug/l	99
79) 2-Chlorotoluene	12.65	91	37489	5.801	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	41832	5.598	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.28	75	5505	5.098	ug/l	99
82) 4-Chlorotoluene	12.75	91	36249	5.525	ug/l	99
83) tert-Butylbenzene	12.97	119	36664	5.781	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	40502	5.453	ug/l	99
85) sec-Butylbenzene	13.15	105	46804	5.570	ug/l	99
86) p-Isopropyltoluene	13.26	119	38596	5.321	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	20590	5.759	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	20330	5.526	ug/l	93
89) n-Butylbenzene	13.59	91	31359	4.897	ug/l	99
90) Hexachloroethane	13.85	117	8253	5.785	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	19973	5.778	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.25	75	3040	5.435	ug/l	97

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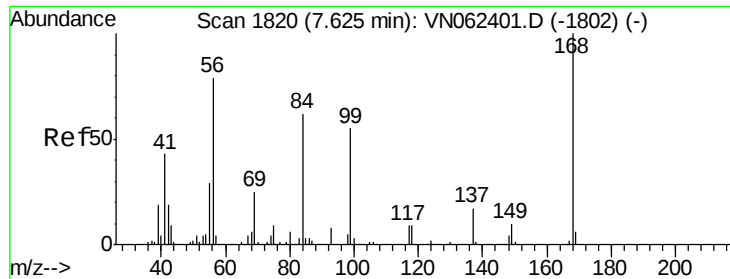
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APPROVED

MMDadoda
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QLast Update : Sat Jul 11 03:18:07 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	6771	4.345	ug/l	97
94) Hexachlorobutadiene	14.99	225	5326	5.803	ug/l	99
95) Naphthalene	15.10	128	16941	3.855	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	6995	4.316	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:168 Resp: 189435

Ion Ratio Lower Upper

168 100

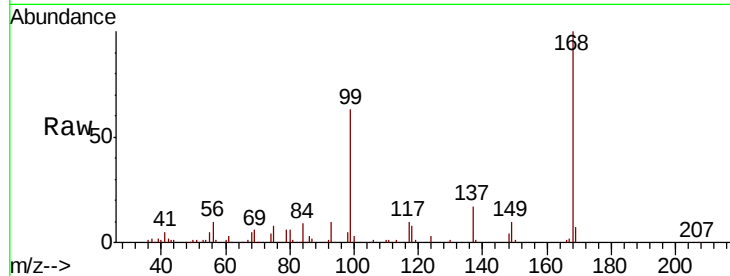
99 62.3 48.8 73.2

Manual Integrations

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7/13/2020 11:19:34 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

60000

40000

20000

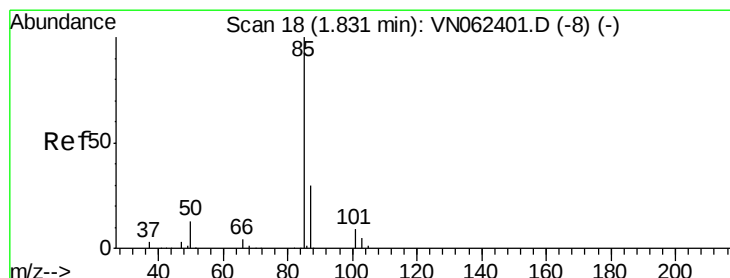
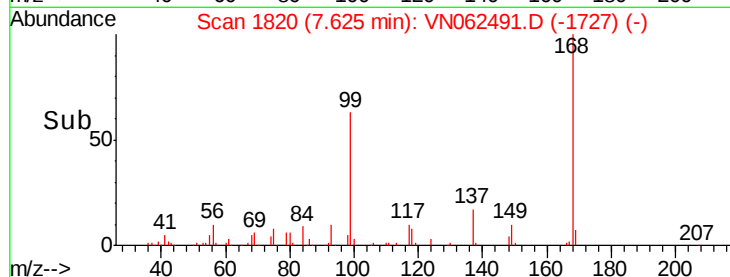
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Time-->

7.50

7.60

7.70



#2

Dichlorodifluoromethane

Concen: 5.470 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062491.D

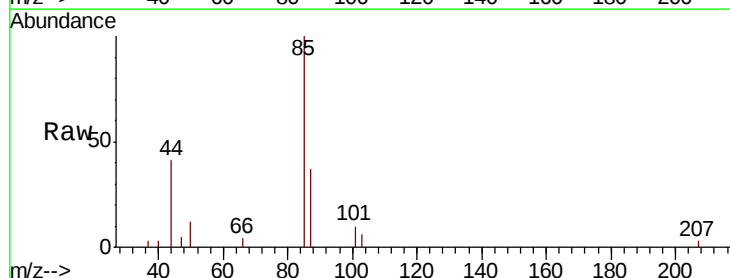
Acq: 10 Jul 2020 14:18

Tgt Ion: 85 Resp: 10555

Ion Ratio Lower Upper

85 100

87 36.8 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

8000

6000

4000

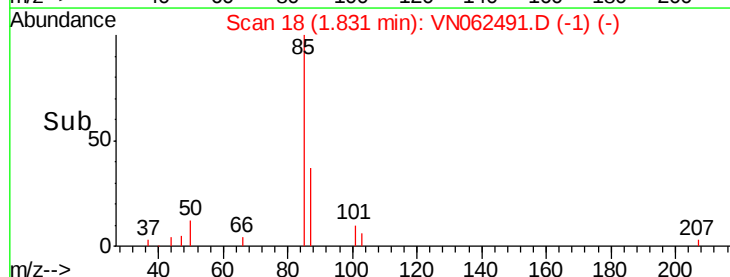
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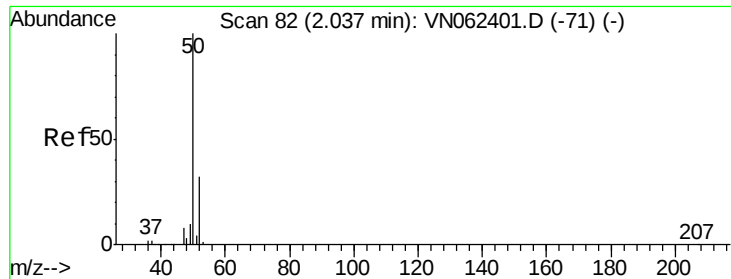
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Time-->

1.80

1.85





#3

Chloromethane

Concen: 5.368 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 50 Resp: 16619

Ion Ratio Lower Upper

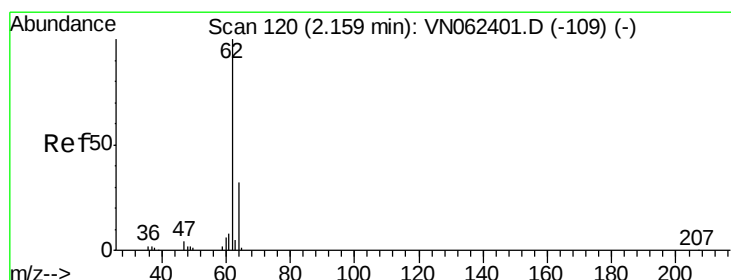
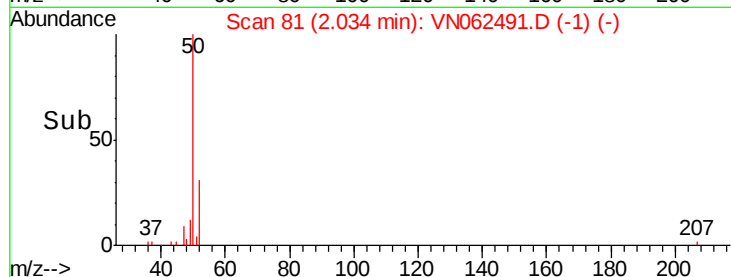
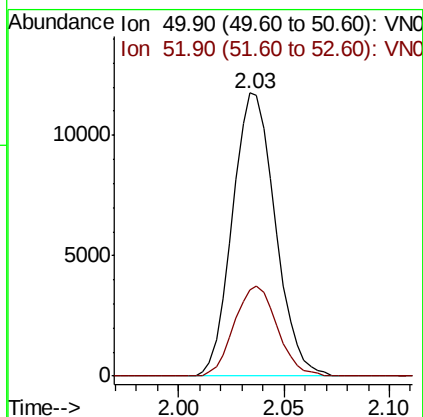
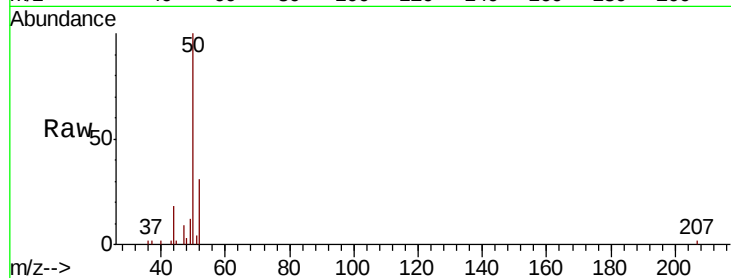
50 100

52 30.6 25.5 38.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 5.482 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062491.D

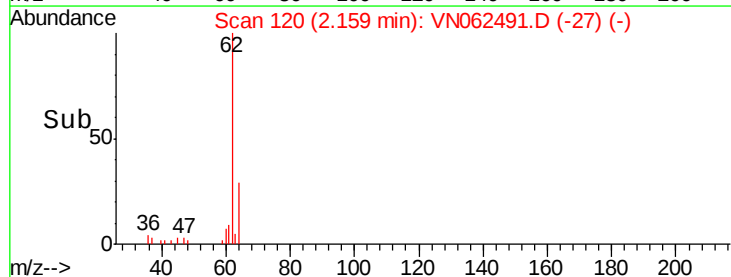
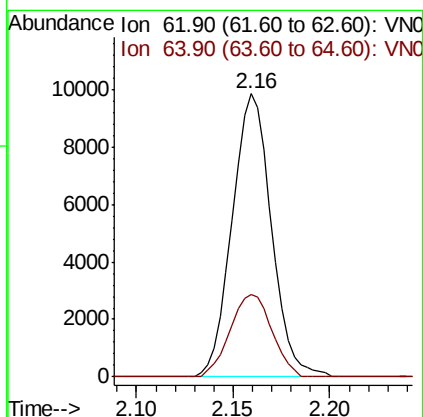
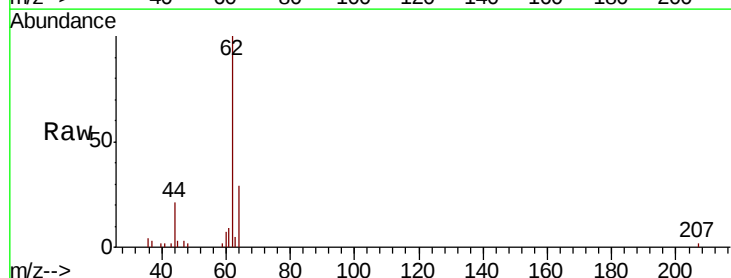
Acq: 10 Jul 2020 14:18

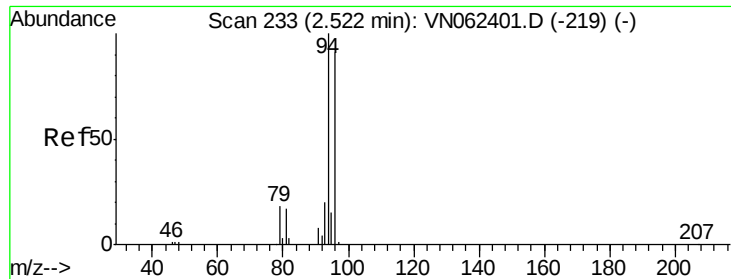
Tgt Ion: 62 Resp: 13905

Ion Ratio Lower Upper

62 100

64 29.2 25.7 38.5





#5

Bromomethane

Concen: 5.508 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Instrument :

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LOQ-WATER-02-QT3-2020

Tot Ion: 94 Resp: 7504

Ion Ratio Lower Upper

94 100

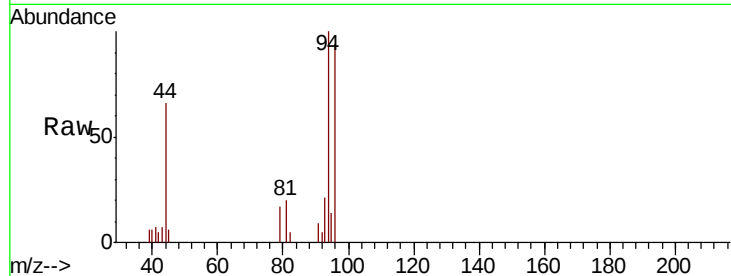
96 93.6 73.2 109.8

Manual Integrations

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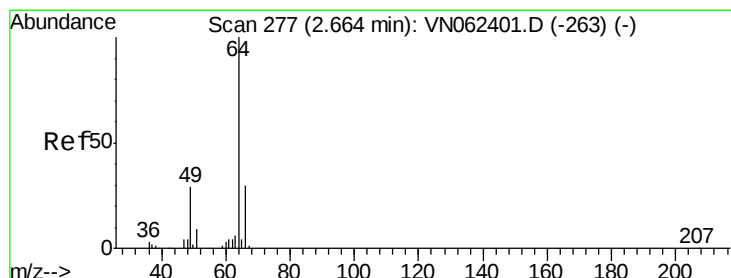
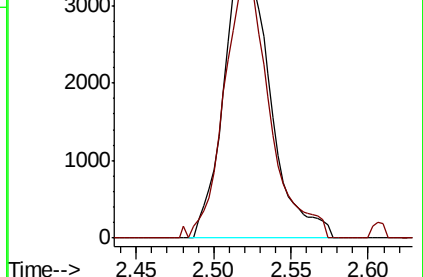
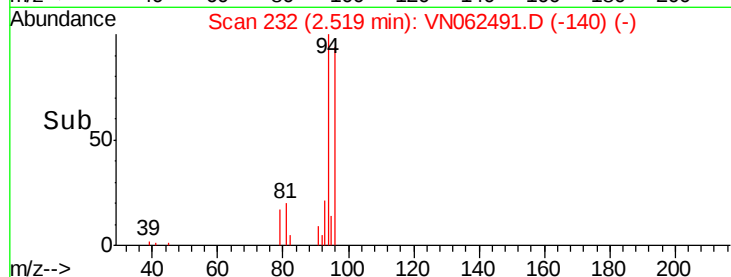


Abundance Ion 93.90 (93.60 to 94.60): VN062491.D (-140) (-)

Ion 95.90 (95.60 to 96.60): VN062491.D (-140) (-)

2.52

Time-->



#6

Chloroethane

Concen: 5.816 ug/l

RT: 2.66 min Scan# 277

Delta R.T. 0.00 min

Lab File: VN062491.D

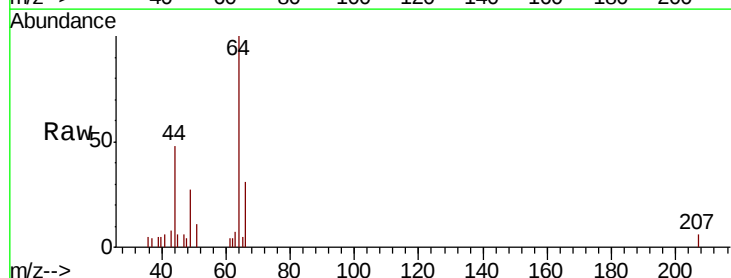
Acq: 10 Jul 2020 14:18

Tgt Ion: 64 Resp: 8592

Ion Ratio Lower Upper

64 100

66 31.5 24.2 36.2

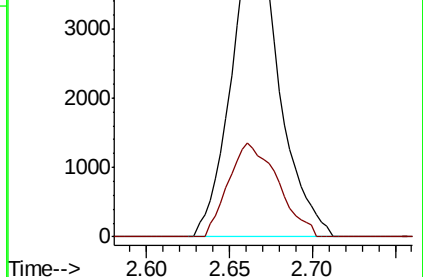
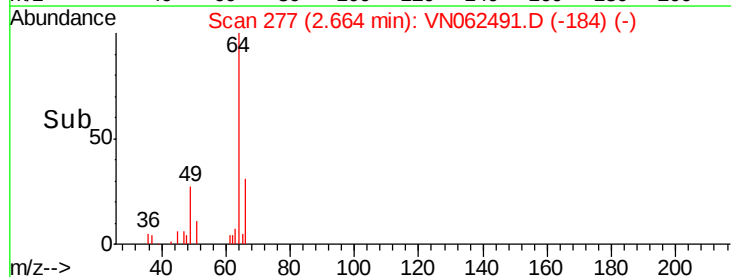


Abundance Ion 63.90 (63.60 to 64.60): VN062491.D (-184) (-)

Ion 65.90 (65.60 to 66.60): VN062491.D (-184) (-)

2.66

Time-->





#7

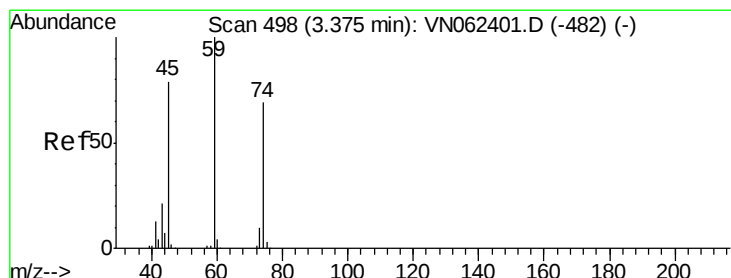
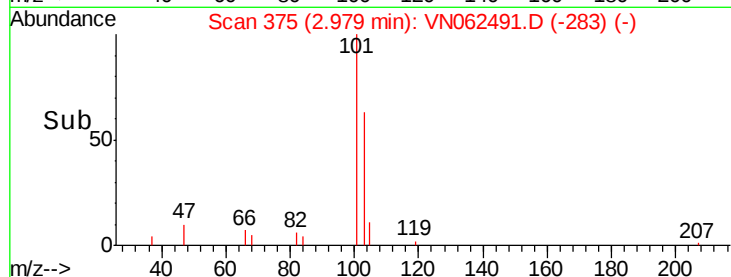
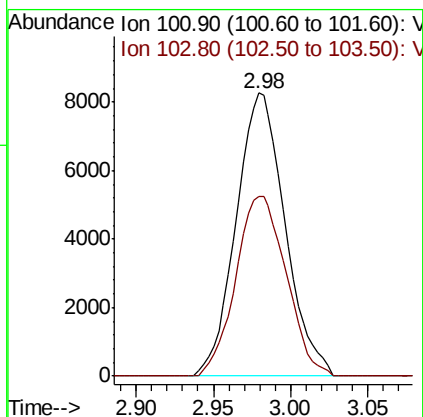
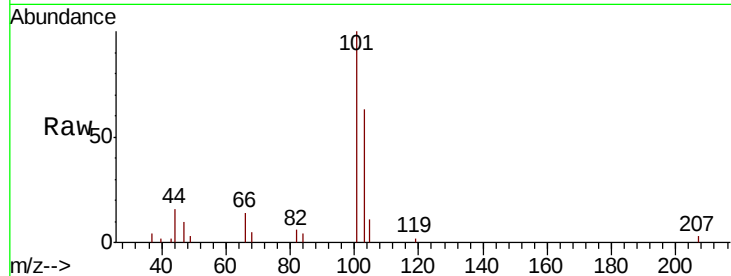
Trichlorofluoromethane
 Concen: 5.635 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN062491.D
 Acq: 10 Jul 2020 14:18

Instrument :
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 LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.6	77.4

Manual Integrations
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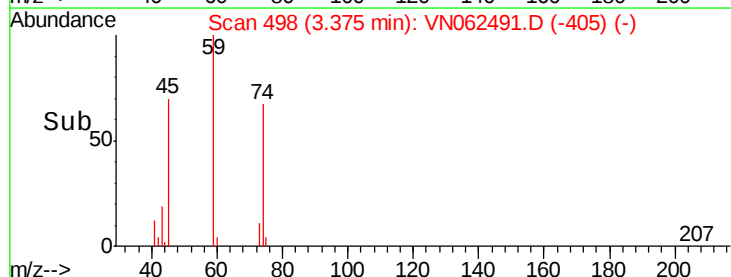
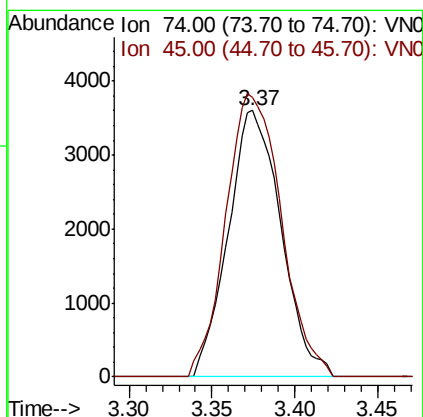
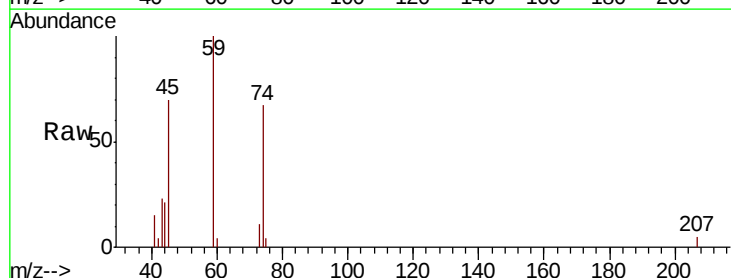
MMDadoda
 7/13/2020 11:19:34 AM

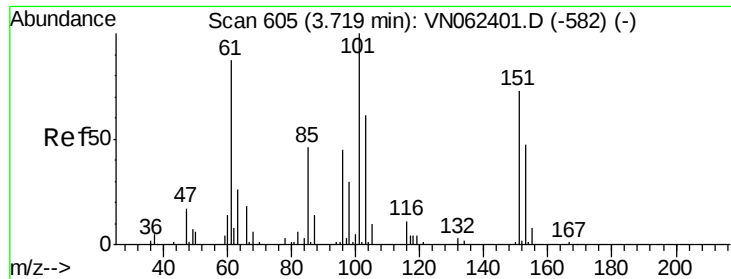


#8

Diethyl Ether
 Concen: 5.545 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062491.D
 Acq: 10 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.3	58.5	175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.622 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Instrument :

MSVOA_N

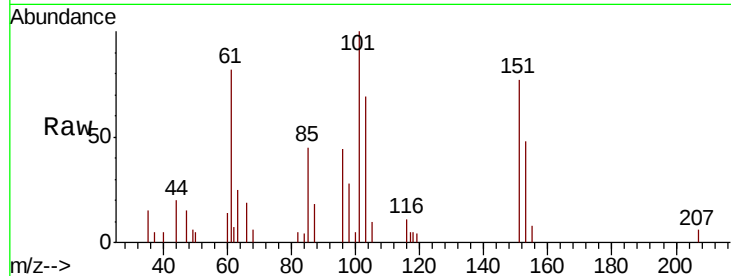
ClientSampleId :

LOQ-WATER-02-QT3-2020

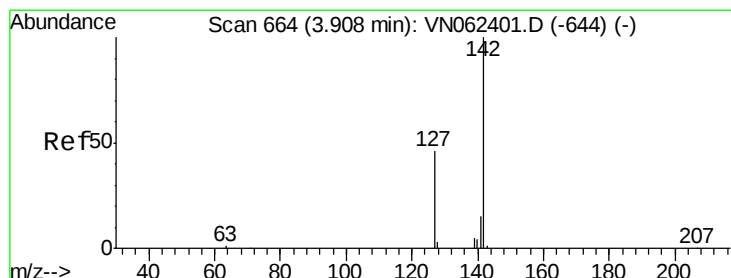
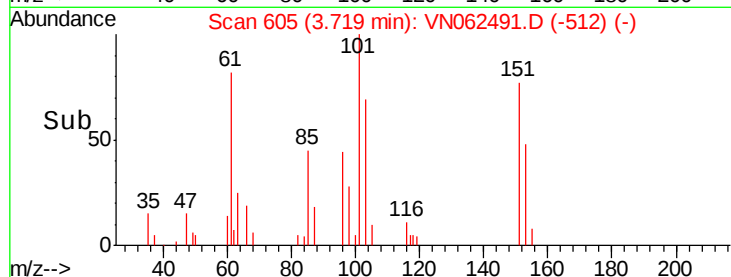
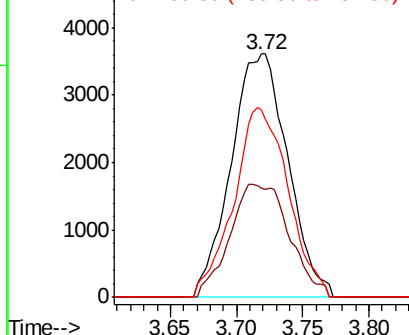
Tot Ion:	101	Resp:	10737
Ion Ratio	Lower	Upper	
101	100		
85	48.5	36.7	55.1
151	74.8	58.3	87.5

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.258 ug/l

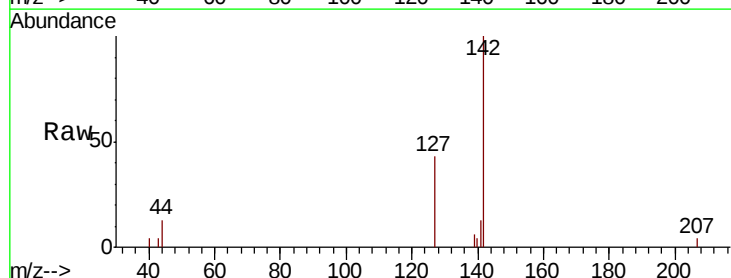
RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

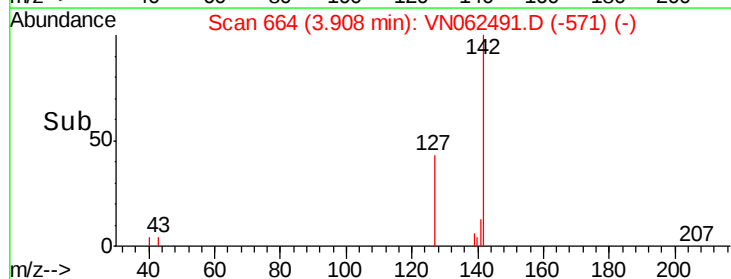
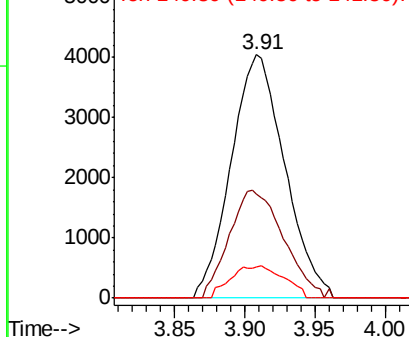
Lab File: VN062491.D

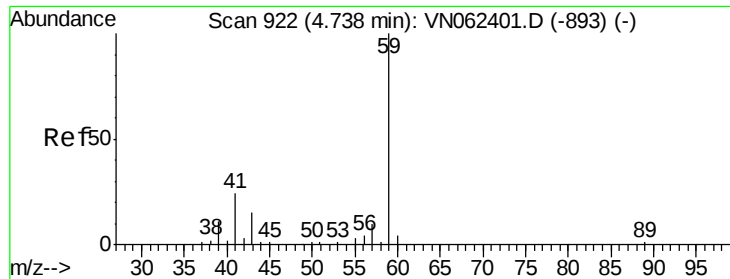
Acq: 10 Jul 2020 14:18

Tgt Ion:	142	Resp:	10738
Ion Ratio	Lower	Upper	
142	100		
127	45.0	36.1	54.1
141	13.2	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





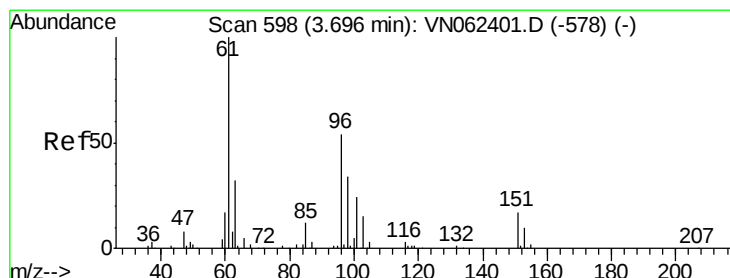
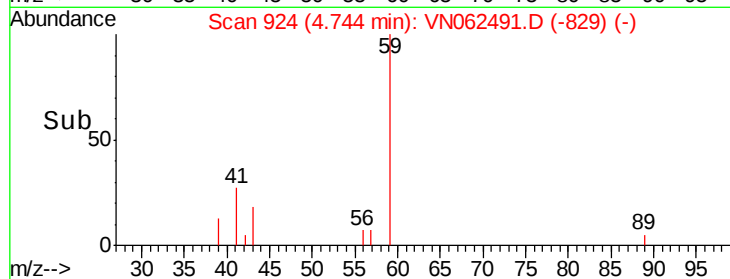
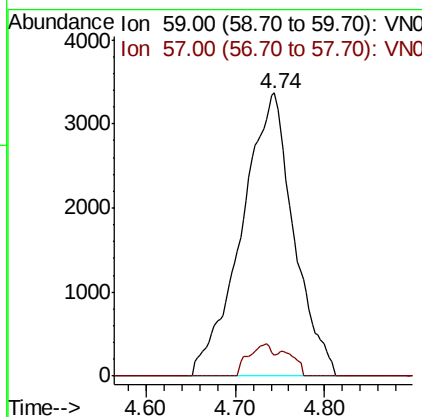
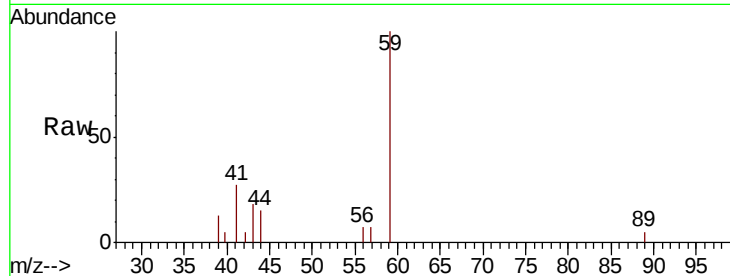
#11
Tert butyl alcohol
Concen: 28.334 ug/l
RT: 4.74 min Scan# 924
Delta R.T. 0.01 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

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

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.3	7.8	11.6#

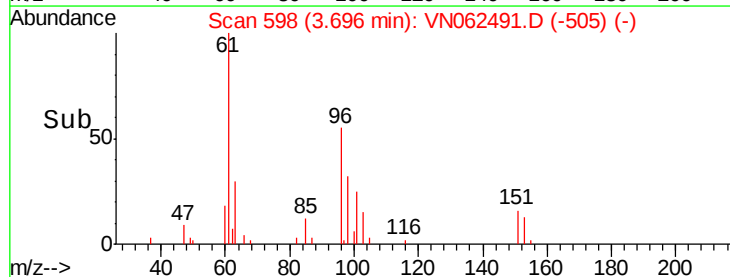
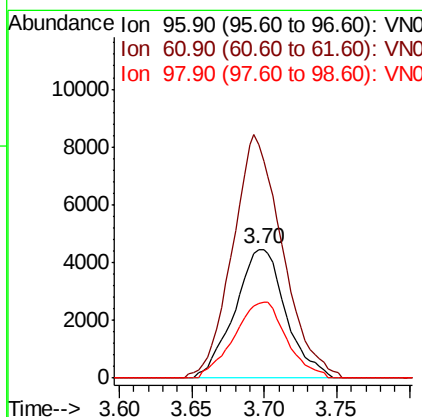
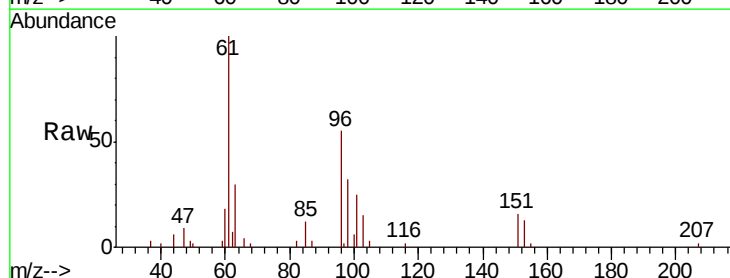
Manual Integrations
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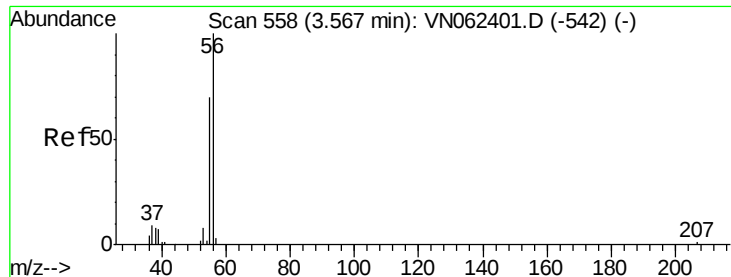
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#12
1,1-Dichloroethene
Concen: 5.594 ug/l
RT: 3.70 min Scan# 598
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.2	147.4	221.0
98	57.9	50.4	75.6





#13

Acrolein

Concen: 24.264 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 56 Resp: 8460

Ion Ratio Lower Upper

56 100

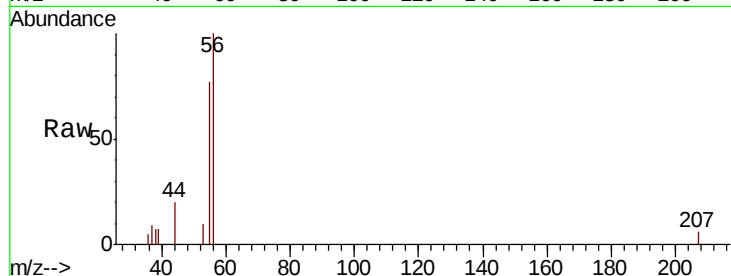
55 73.8 57.2 85.8

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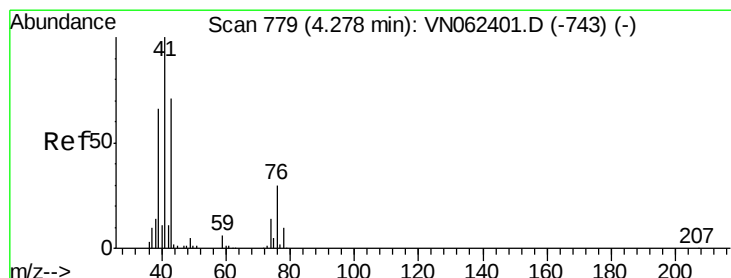
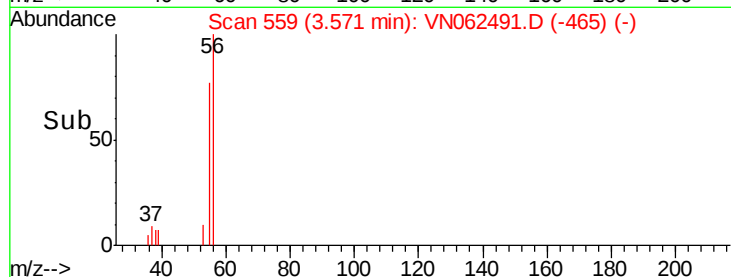
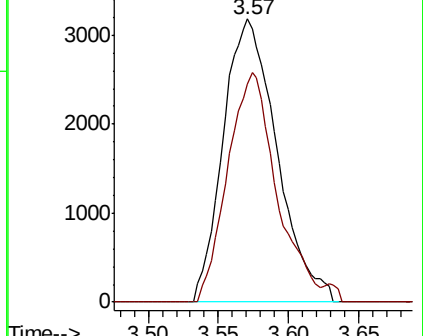
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Abundance Ion 56.00 (55.70 to 56.70): VN062401.D (-542) (-)

Ion 55.00 (54.70 to 55.70): VN062401.D (-542) (-)



#14

Allyl chloride

Concen: 5.129 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

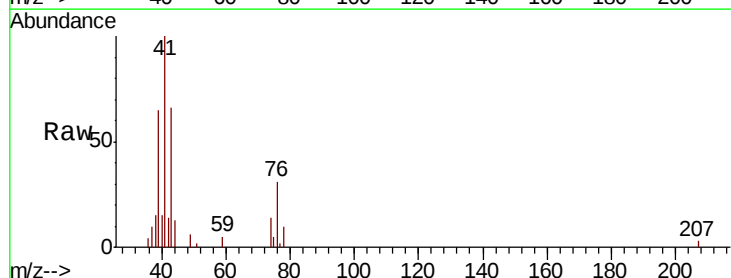
Tgt Ion: 41 Resp: 23455

Ion Ratio Lower Upper

41 100

39 63.4 49.6 74.4

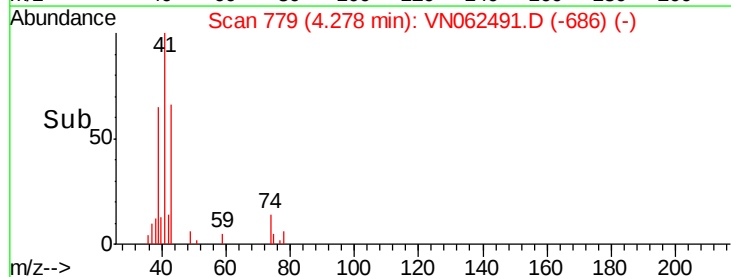
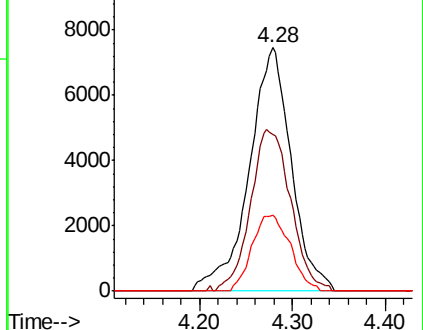
76 28.3 22.2 33.4

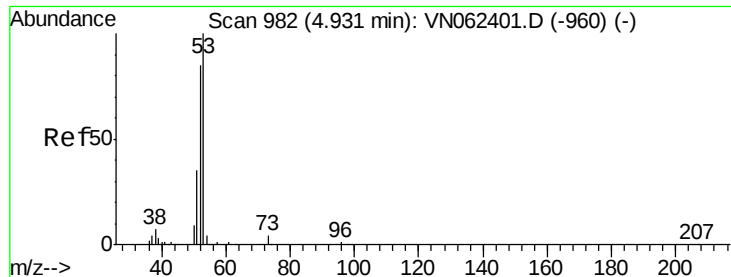


Abundance Ion 41.00 (40.70 to 41.70): VN062401.D (-743) (-)

Ion 39.00 (38.70 to 39.70): VN062401.D (-743) (-)

Ion 75.90 (75.60 to 76.60): VN062401.D (-743) (-)





#15

Acrylonitrile

Concen: 26.384 ug/l

RT: 4.94 min Scan# 984

Delta R.T. 0.01 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Instrument :

MSVOA_N

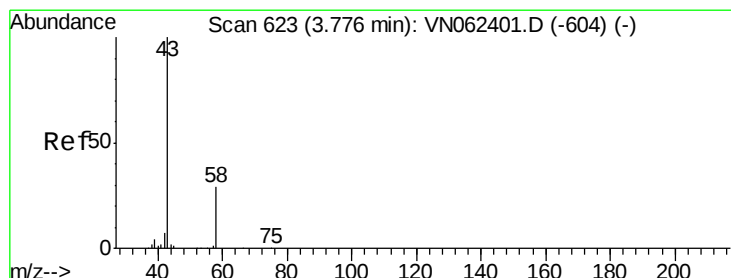
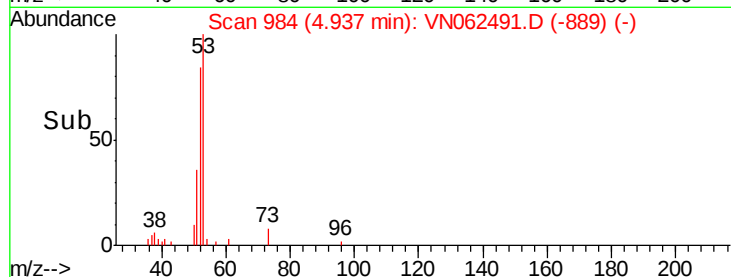
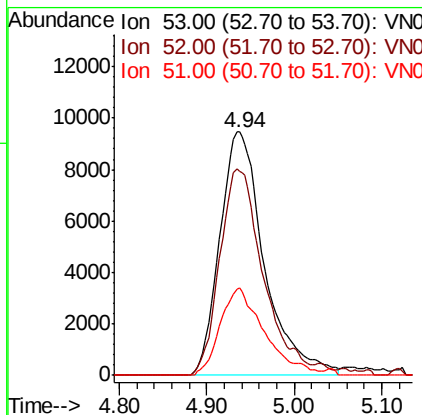
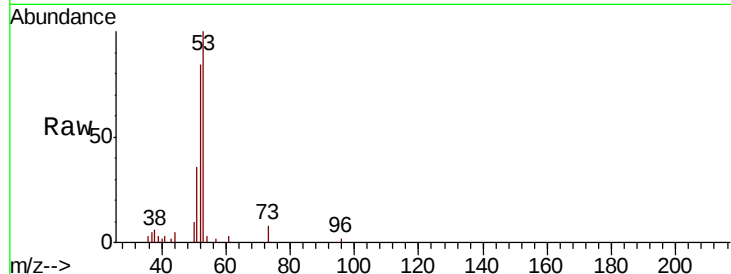
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:	53	Resp:	33446
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.2	99.4
51	35.7	28.7	43.1

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#16

Acetone

Concen: 24.296 ug/l

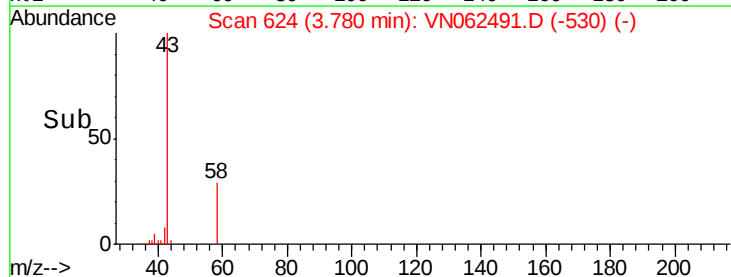
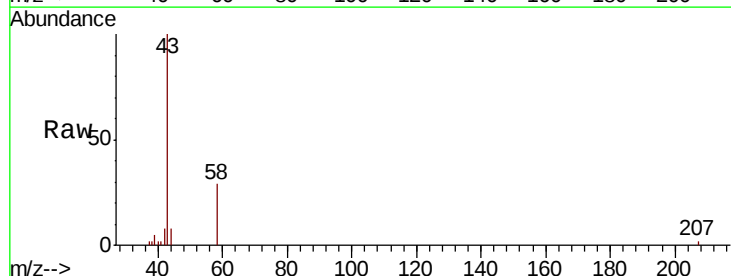
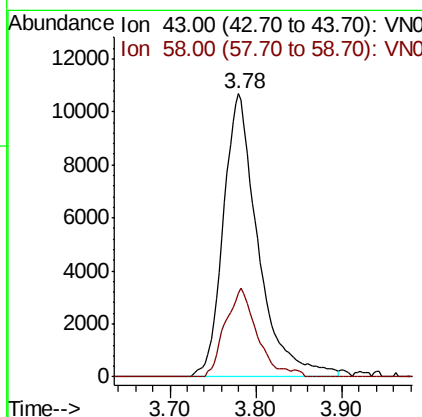
RT: 3.78 min Scan# 624

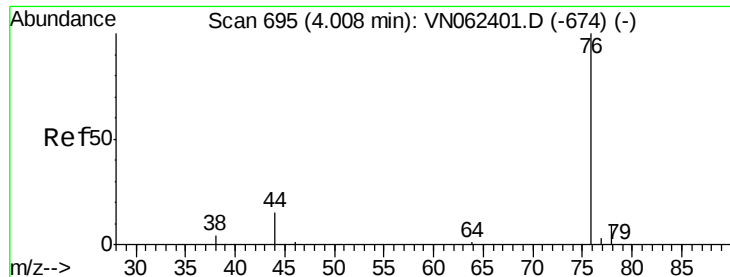
Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Tgt Ion:	43	Resp:	30055
Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.5	35.3





#17

Carbon Disulfide

Concen: 5.527 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 76 Resp: 33672

Ion Ratio Lower Upper

76 100

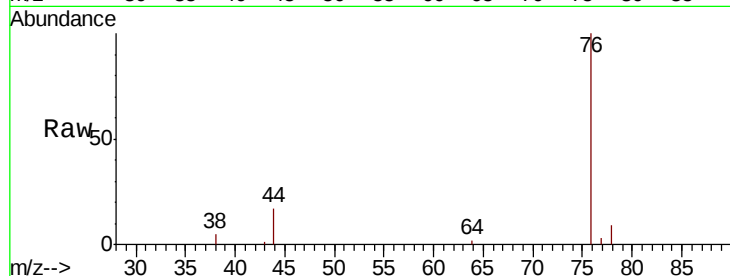
78 9.0 7.3 10.9

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

15000

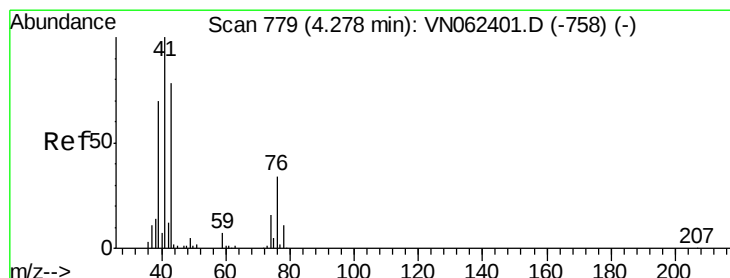
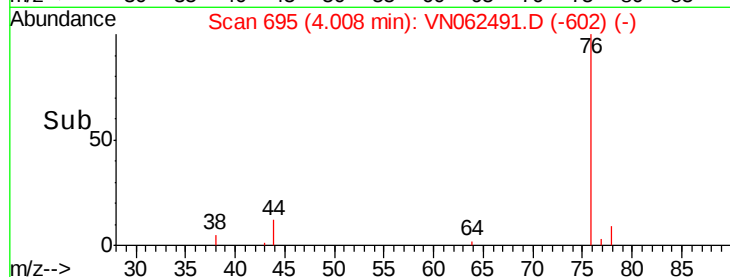
10000

5000

0

Time-->

3.90 3.95 4.00 4.05 4.10



#18

Methyl Acetate

Concen: 5.491 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.01 min

Lab File: VN062491.D

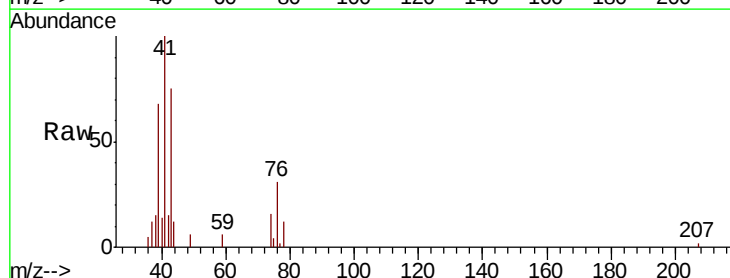
Acq: 10 Jul 2020 14:18

Tgt Ion: 43 Resp: 16953

Ion Ratio Lower Upper

43 100

74 19.9 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

6000

5000

4000

3000

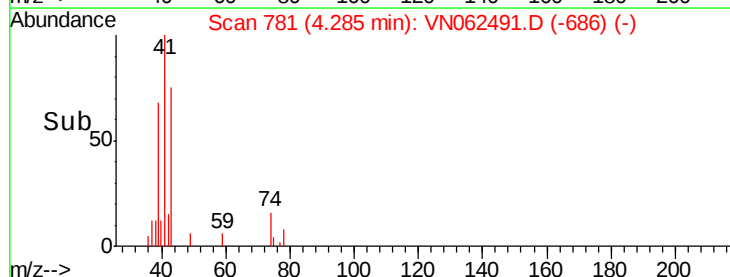
2000

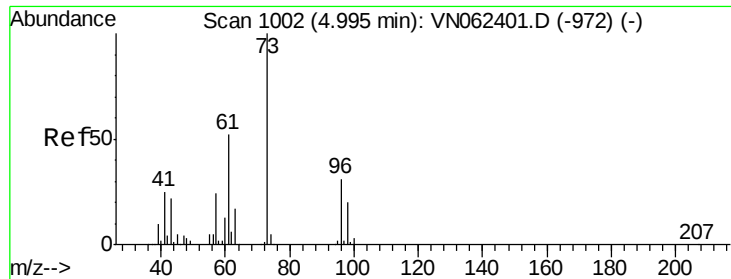
1000

0

Time-->

4.20 4.30 4.40





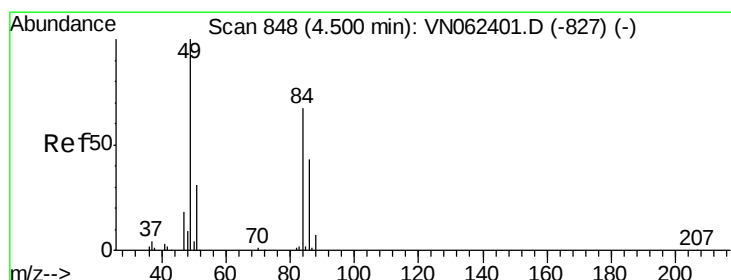
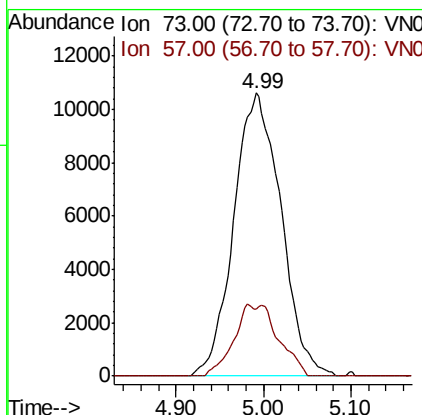
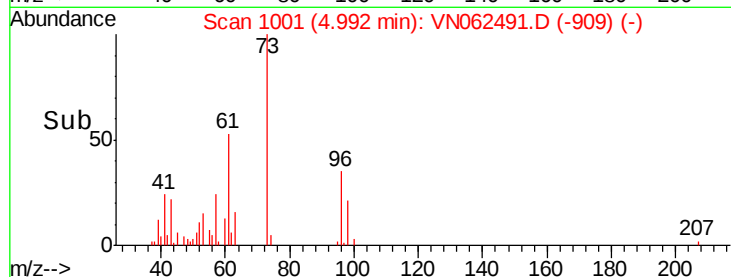
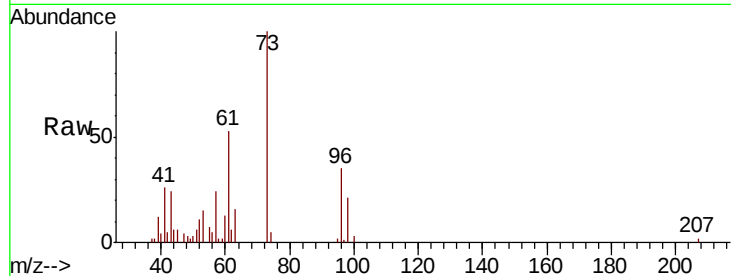
#19
Methyl tert-butyl Ether
Concen: 5.384 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

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

Tot Ion: 73 Resp: 39692
Ion Ratio Lower Upper
73 100
57 23.7 19.4 29.0

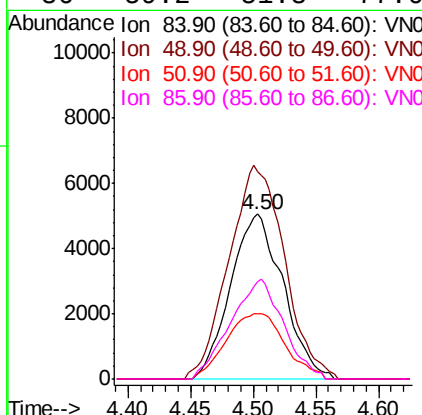
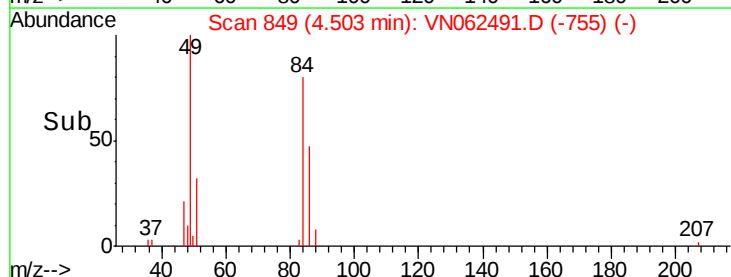
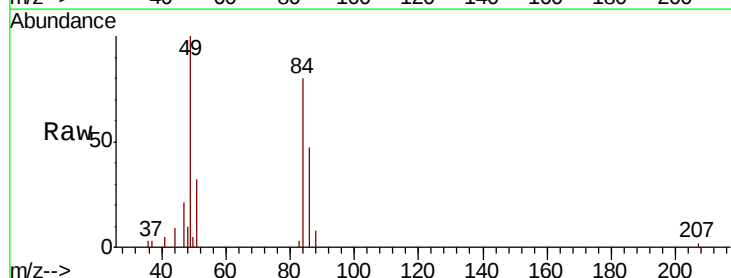
Manual Integrations
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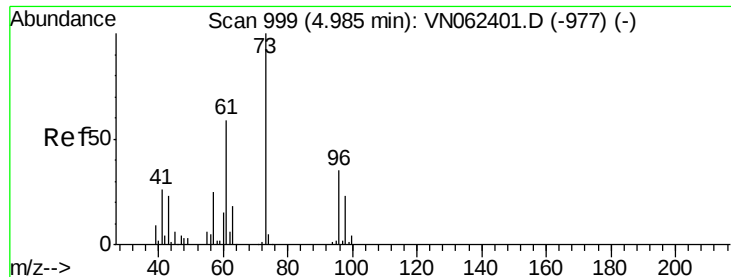
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#20
Methylene Chloride
Concen: 5.571 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

Tgt Ion: 84 Resp: 14736
Ion Ratio Lower Upper
84 100
49 125.7 120.0 180.0
51 39.8 37.0 55.6
86 59.2 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 5.616 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Instrument :

MSVOA_N

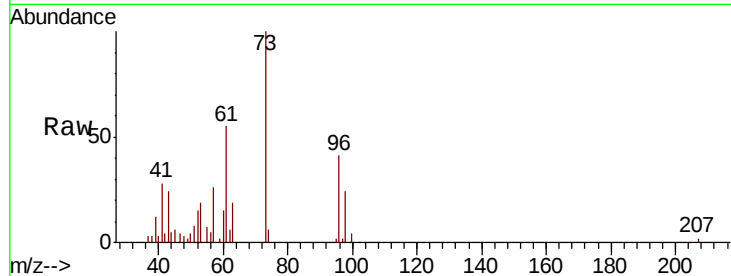
ClientSampleId :

LOQ-WATER-02-QT3-2020

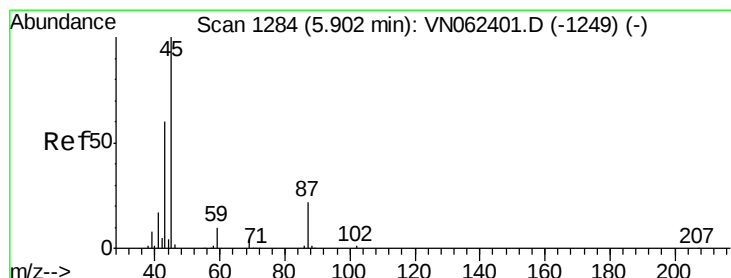
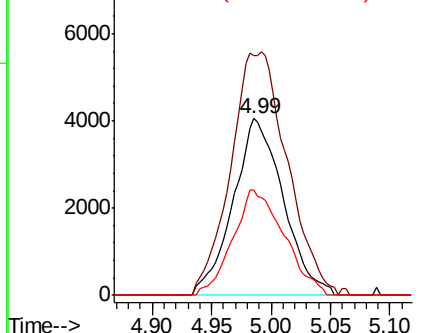
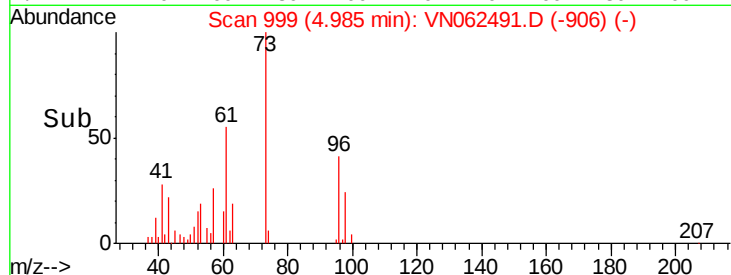
Tot Ion:	96	Resp:	11830
Ion	Ratio	Lower	Upper
96	100		
61	135.5	133.5	200.3
98	59.4	51.9	77.9

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Abundance Ion 95.90 (95.60 to 96.60): VN062491.D (-906) (-)



#22

Diisopropyl ether

Concen: 5.330 ug/l

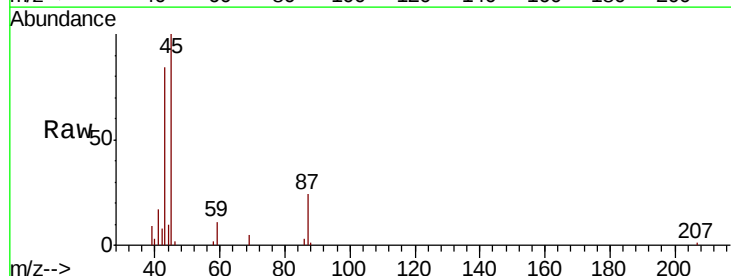
RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

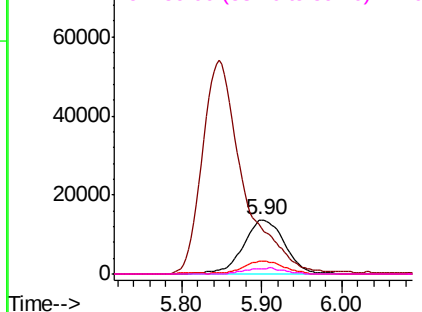
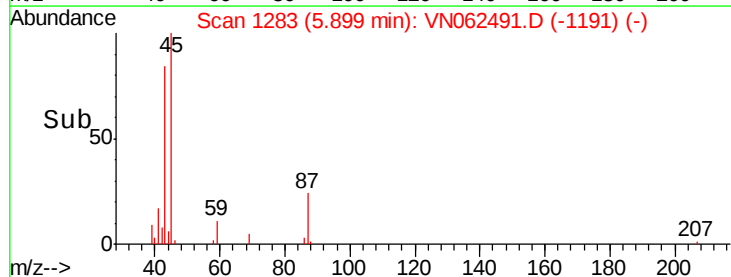
Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Tgt Ion:	45	Resp:	48157
Ion	Ratio	Lower	Upper
45	100		
43	80.0	50.1	75.1#
87	23.8	18.2	27.4
59	10.6	8.2	12.2



Abundance Ion 45.00 (44.70 to 45.70): VN062491.D (-1191) (-)





#23

Vinyl Acetate

Concen: 25.698 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 43 Resp: 192326

Ion Ratio Lower Upper

43 100

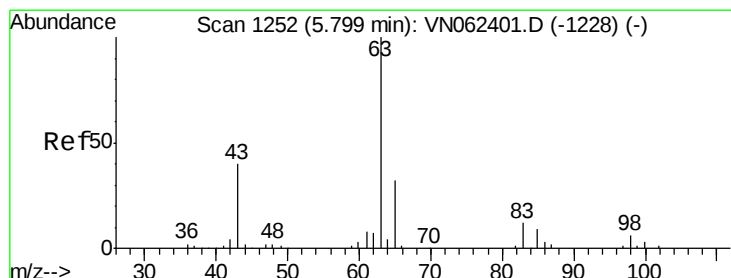
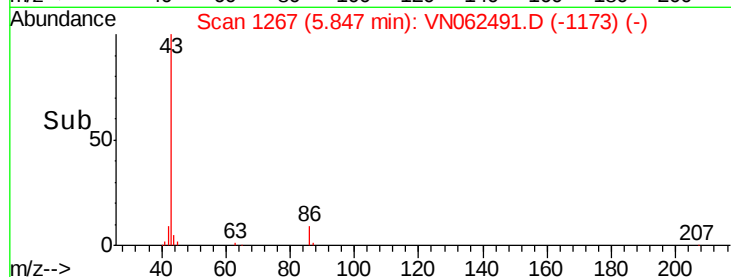
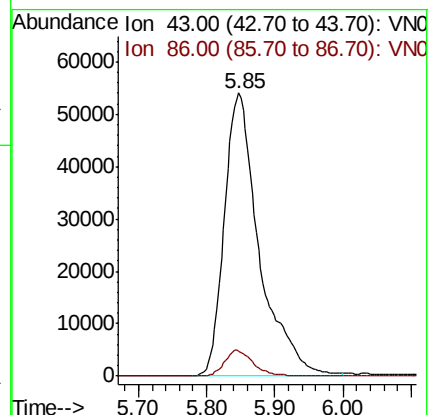
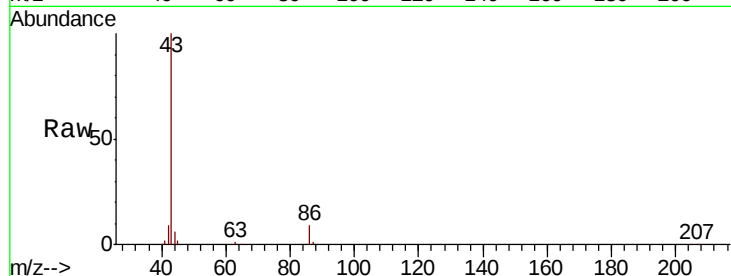
86 8.8 6.7 10.1

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#24

1,1-Dichloroethane

Concen: 5.427 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

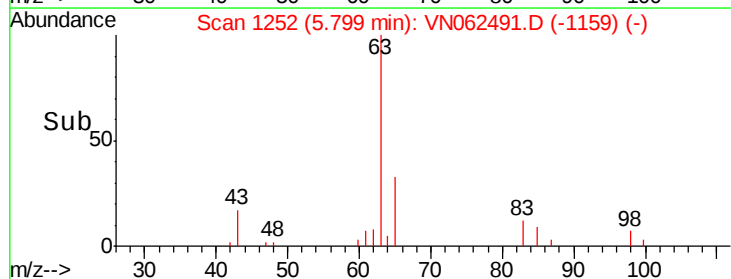
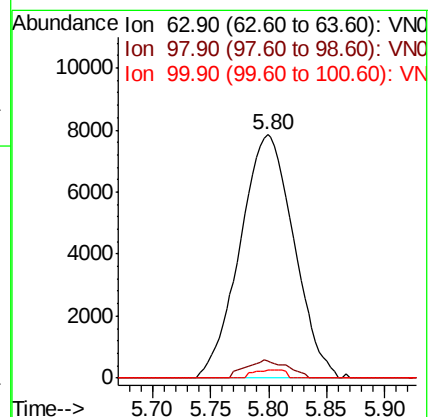
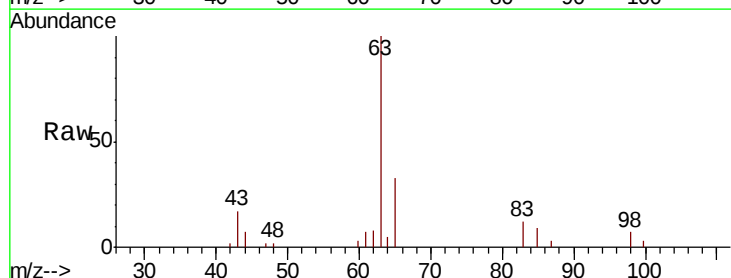
Tgt Ion: 63 Resp: 25337

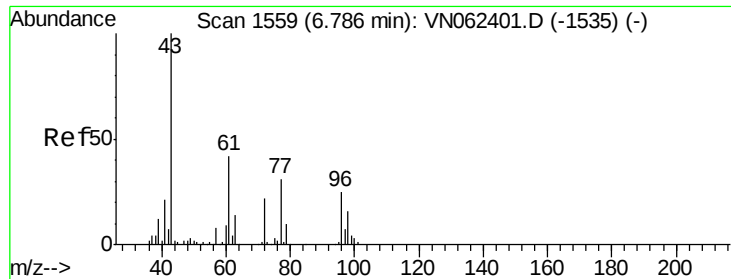
Ion Ratio Lower Upper

63 100

98 7.1 2.9 8.8

100 3.2 1.8 5.3





#25

2-Butanone

Concen: 25.548 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 43 Resp: 46156

Ion Ratio Lower Upper

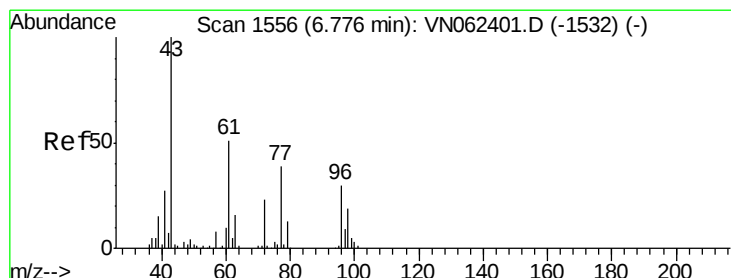
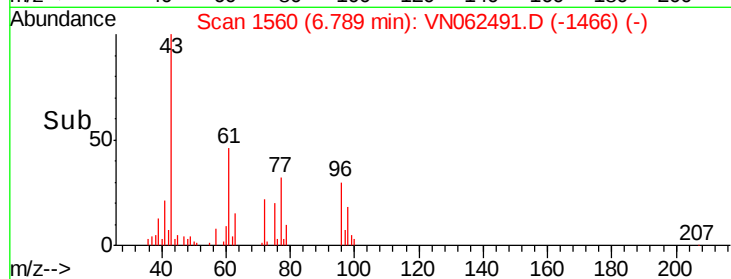
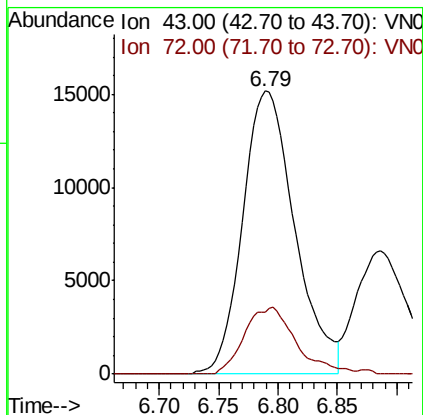
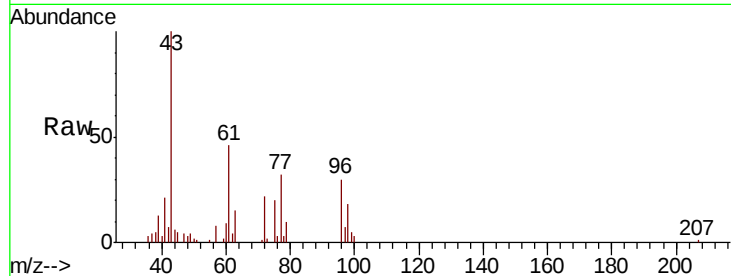
43 100

72 22.1 17.9 26.9

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 5.285 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062491.D

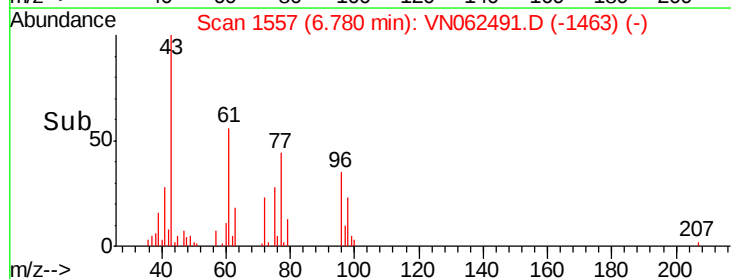
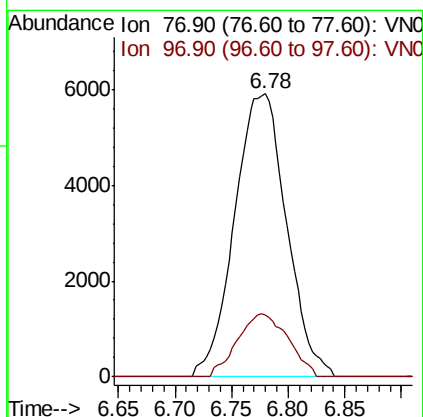
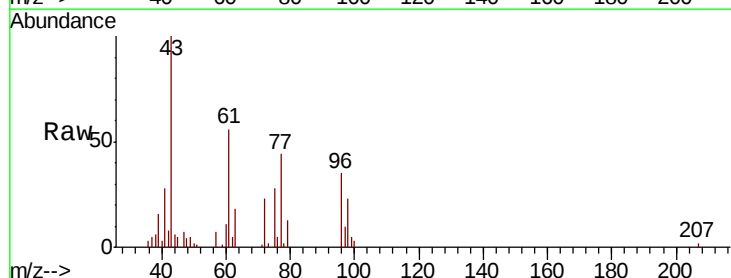
Acq: 10 Jul 2020 14:18

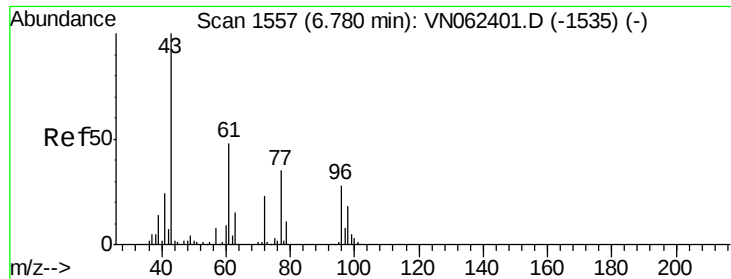
Tgt Ion: 77 Resp: 18918

Ion Ratio Lower Upper

77 100

97 21.7 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 5.516 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.01 min

Lab File: VN062491.D

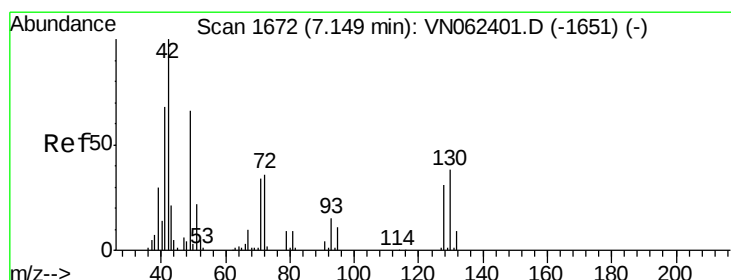
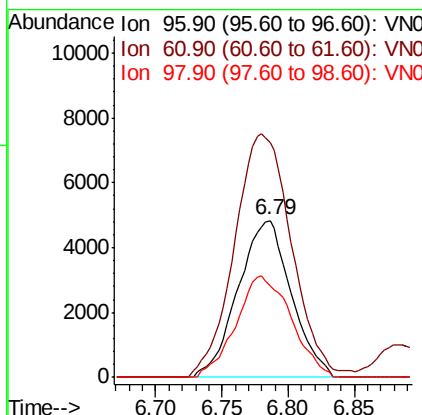
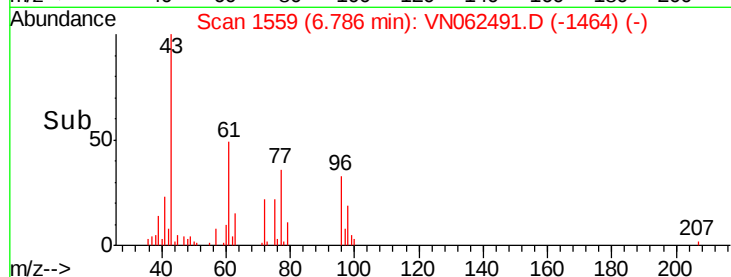
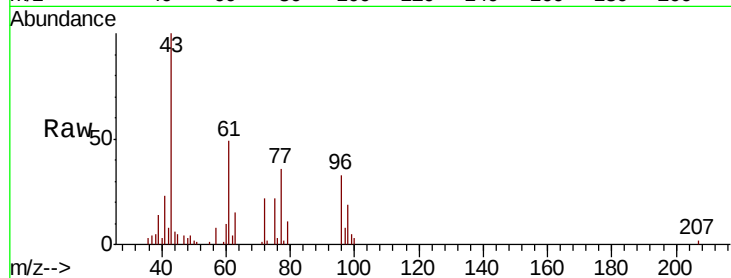
Acq: 10 Jul 2020 14:18

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.5	0.0	343.4
98	67.3	0.0	128.4

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#28

Bromochloromethane

Concen: 4.726 ug/l

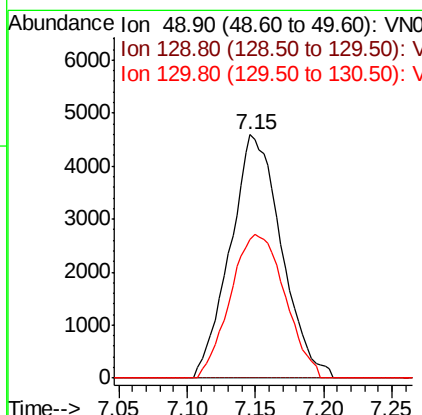
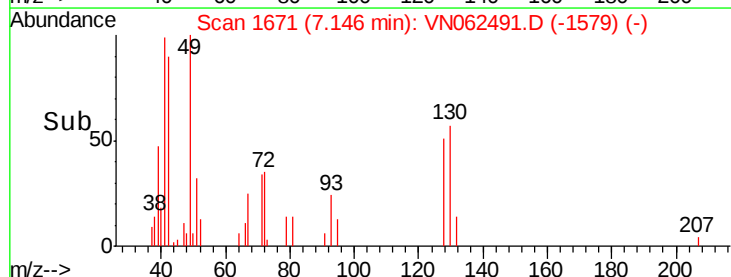
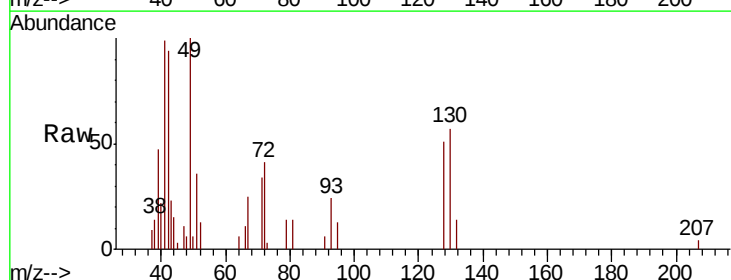
RT: 7.15 min Scan# 1671

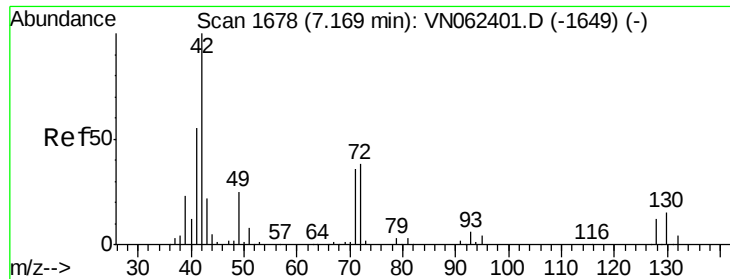
Delta R.T. -0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.8
130	62.8	46.5	69.7





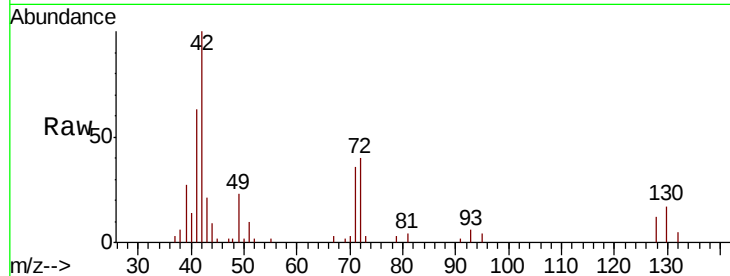
#29
Tetrahydrofuran
Concen: 25.984 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	29.1	43.7
71	34.8	28.1	42.1

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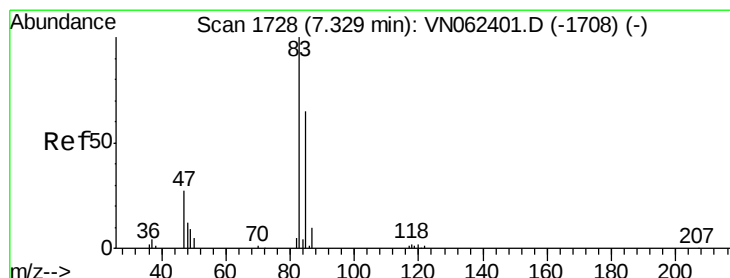
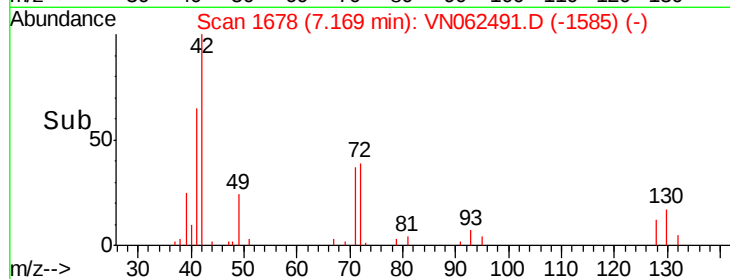
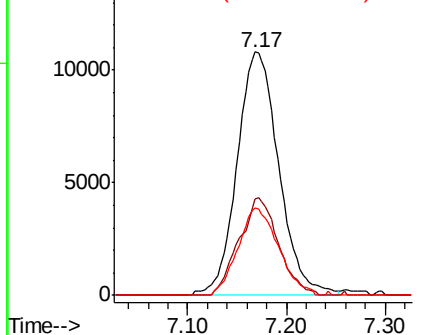


Abundance

Ion 42.00 (41.70 to 42.70): VN0

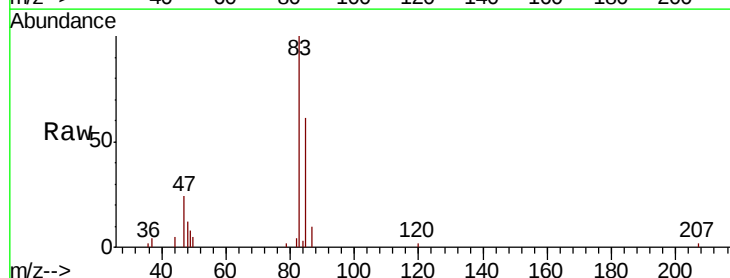
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30
Chloroform
Concen: 5.644 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

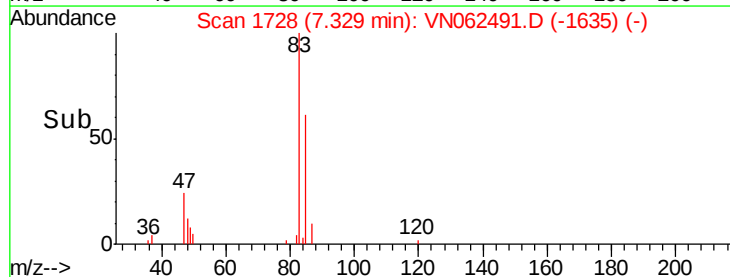
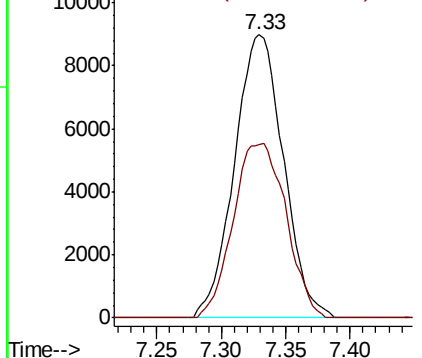
Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.8	77.6

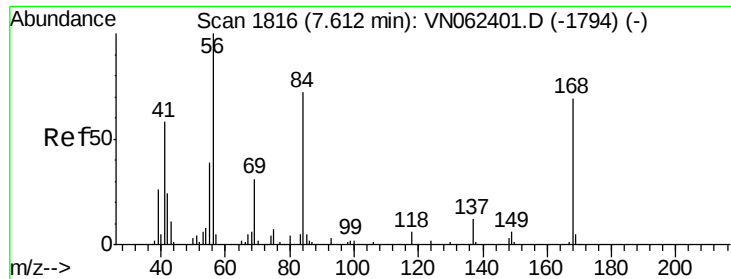


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





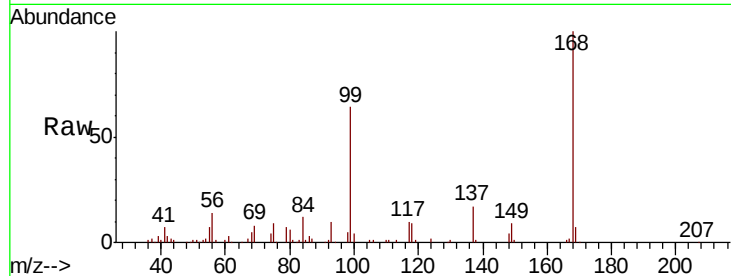
#31
Cyclohexane
Concen: 5.754 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

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

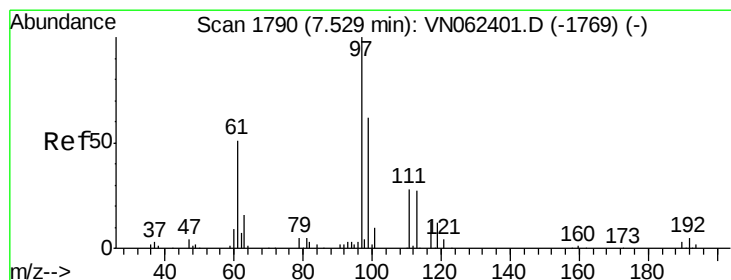
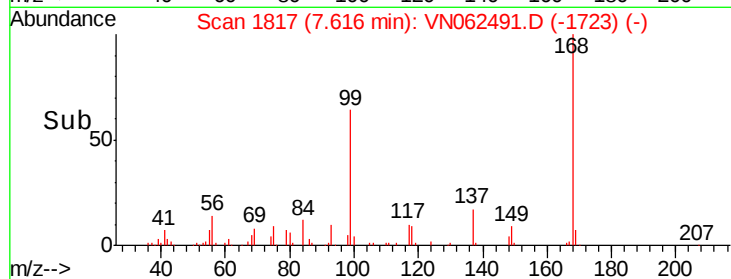
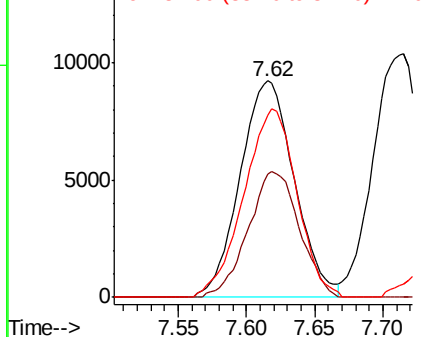
Tot Ion	Ratio	Lower	Upper
56	100		
69	57.2	24.5	36.7#
84	84.5	57.4	86.2

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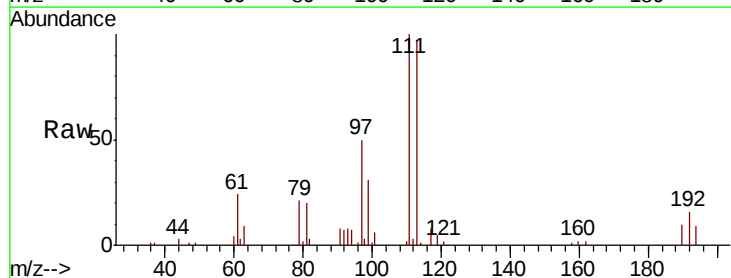


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

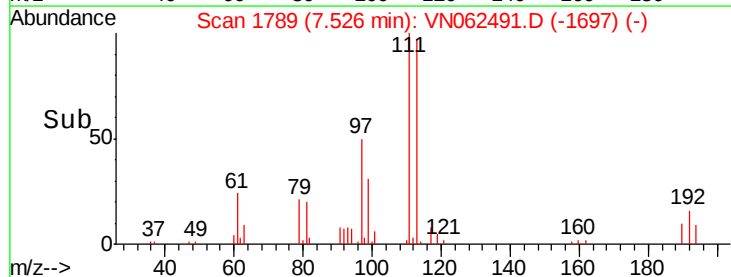
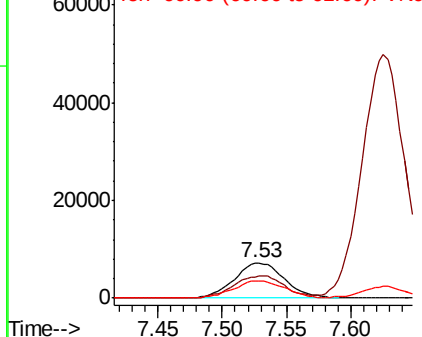


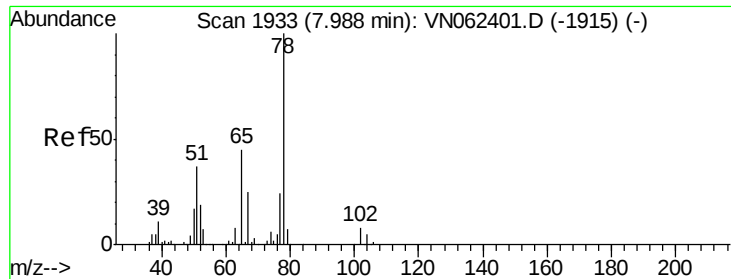
#32
1,1,1-Trichloroethane
Concen: 5.530 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	50.4	75.6
61	49.2	39.9	59.9



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 48.444 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 65 Resp: 141153

Ion Ratio Lower Upper

65 100

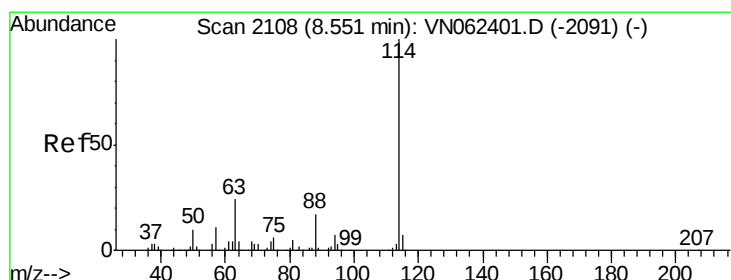
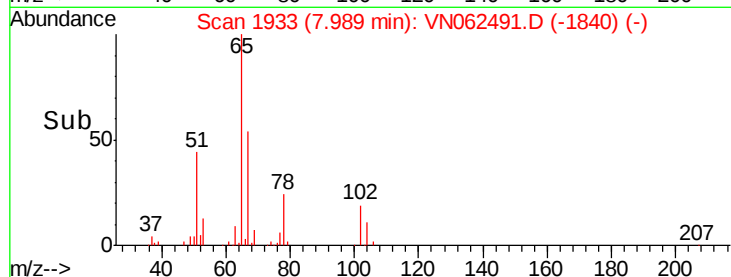
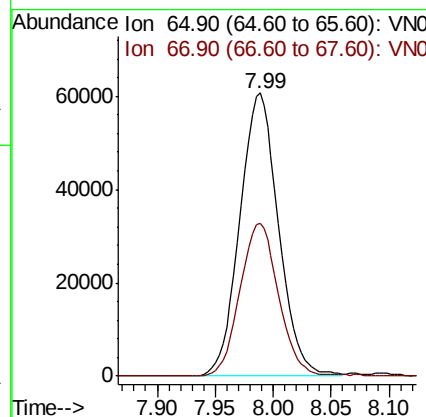
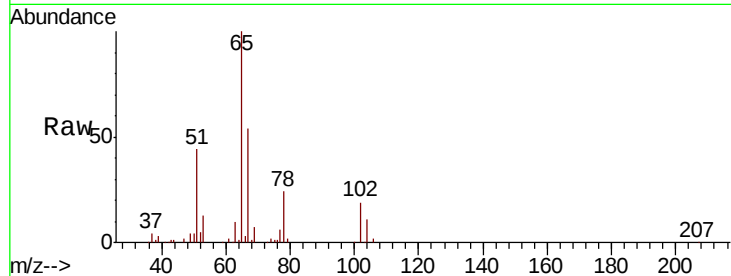
67 53.8 0.0 107.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

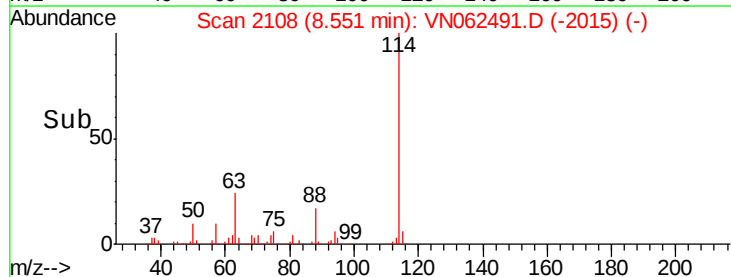
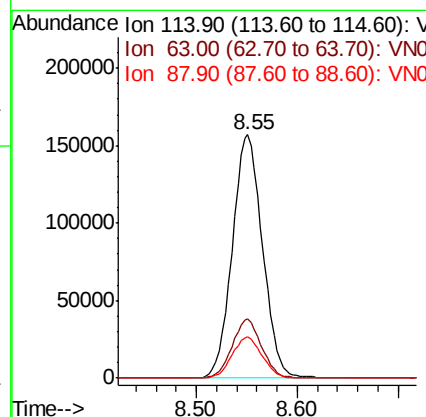
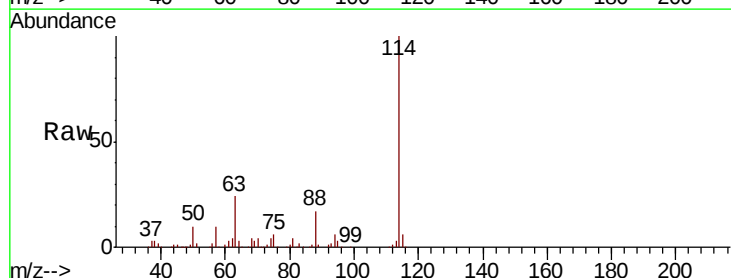
Tgt Ion: 114 Resp: 326762

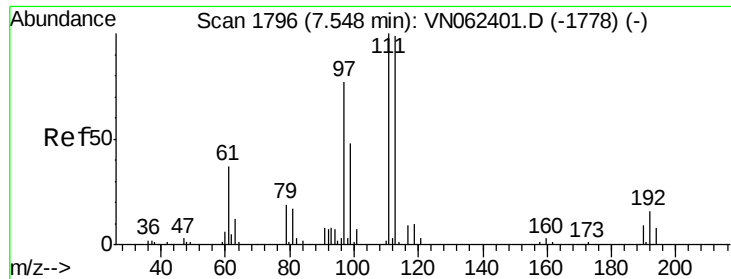
Ion Ratio Lower Upper

114 100

63 24.3 0.0 48.4

88 16.8 0.0 33.8





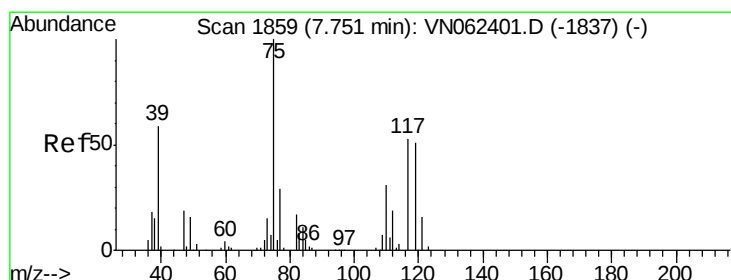
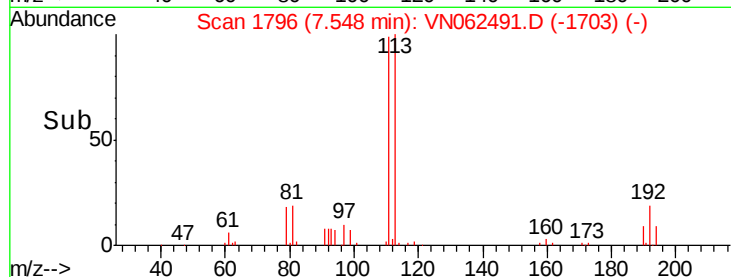
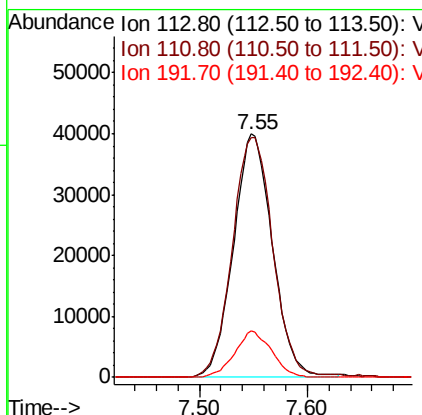
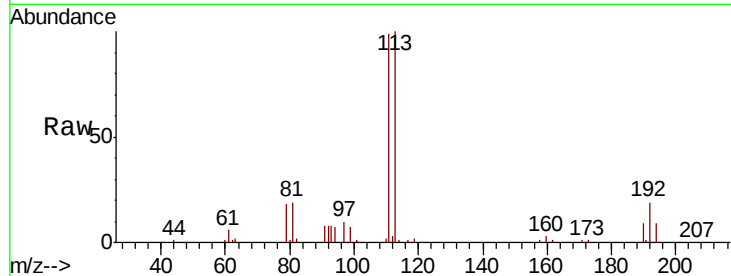
#35
 Dibromofluoromethane
 Concen: 49.863 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062491.D
 Acq: 10 Jul 2020 14:18

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

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100714		
111	102.5		83.1	124.7
192	17.9		14.1	21.1

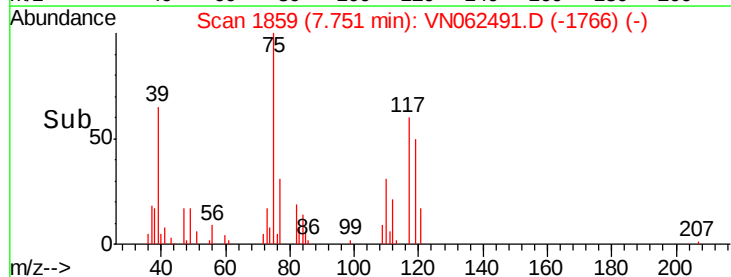
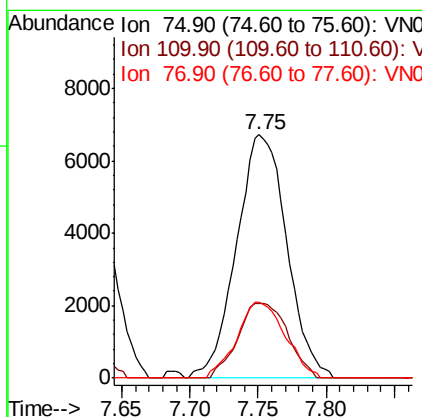
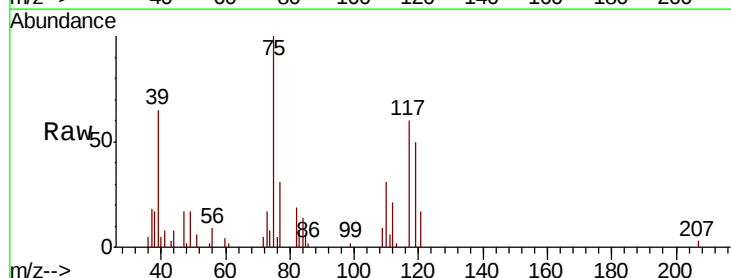
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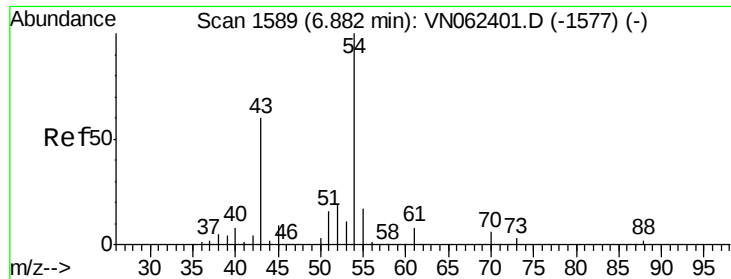
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#36
 1,1-Dichloropropene
 Concen: 5.225 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN062491.D
 Acq: 10 Jul 2020 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17200		
110	30.4		15.4	46.2
77	29.8		24.1	36.1





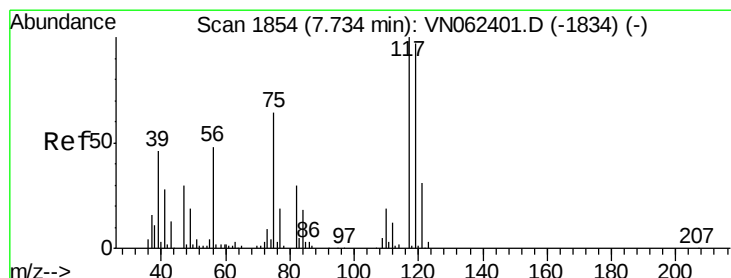
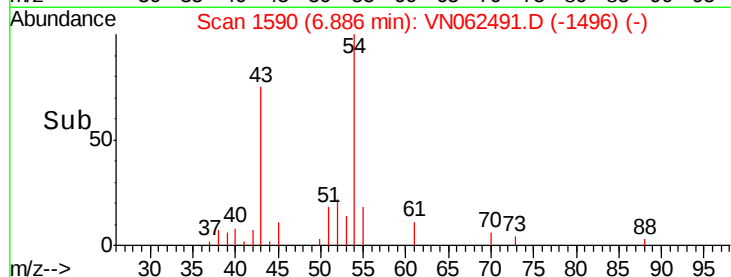
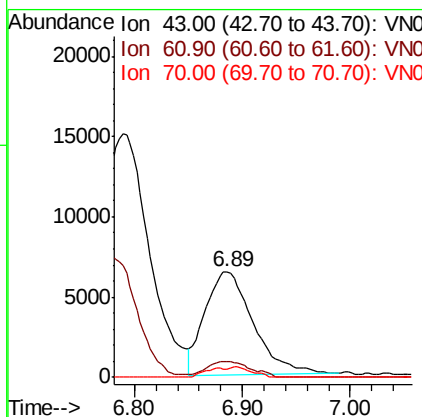
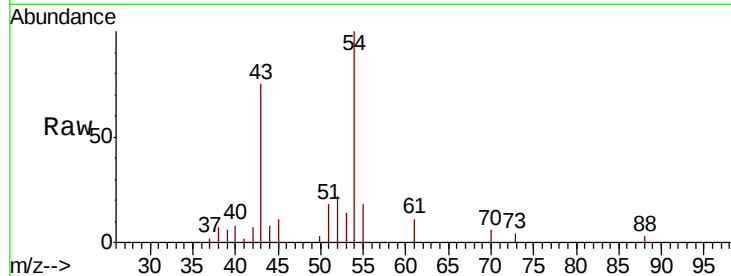
#37
Ethyl Acetate
Concen: 5.157 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.7	16.1
70	4.1	7.2	10.8

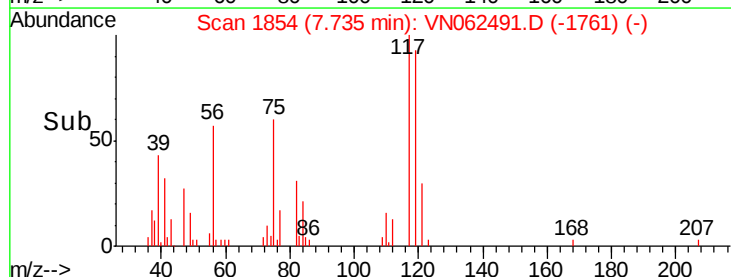
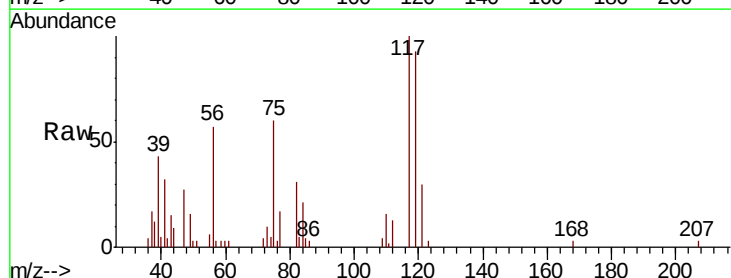
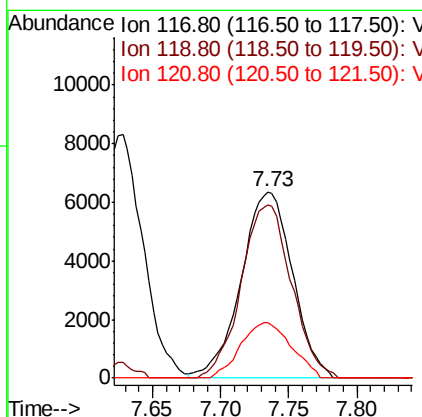
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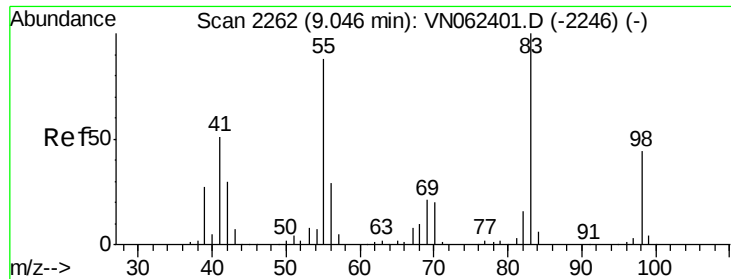
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#38
Carbon Tetrachloride
Concen: 5.614 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	77.2	115.8
121	29.8	24.8	37.2





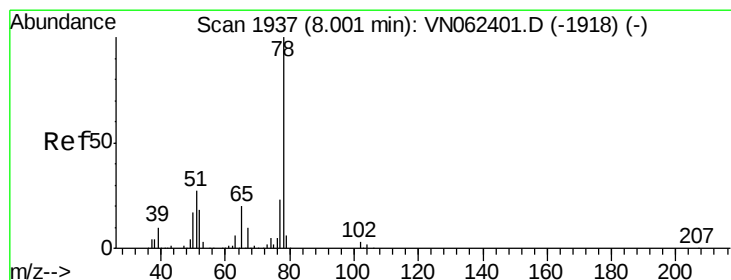
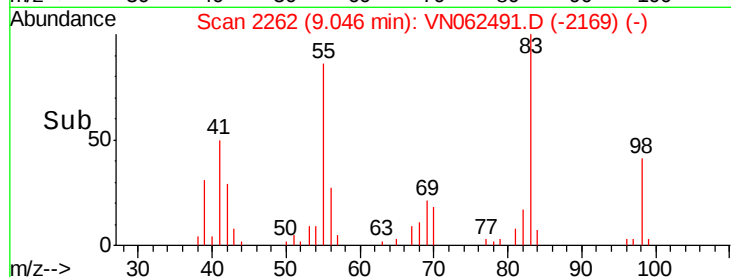
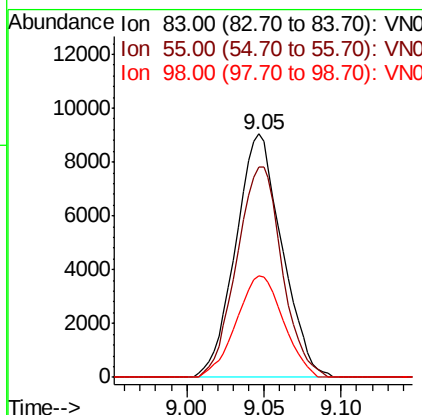
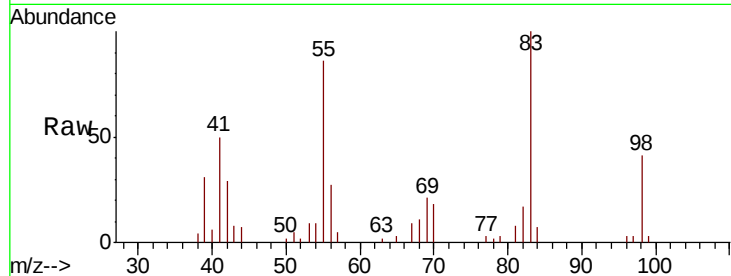
#39
Methvlcvclohexane
Concen: 5.362 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.4	70.5	105.7
98	41.5	35.5	53.3

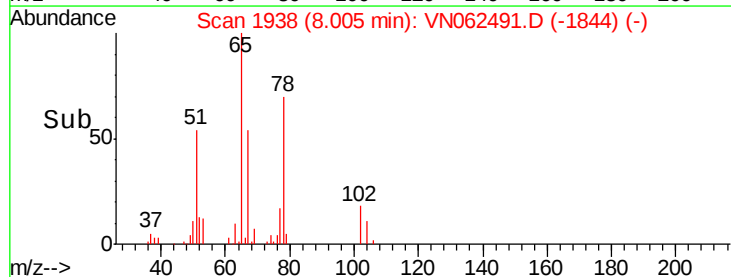
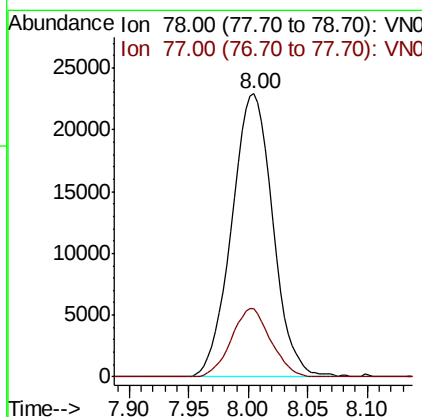
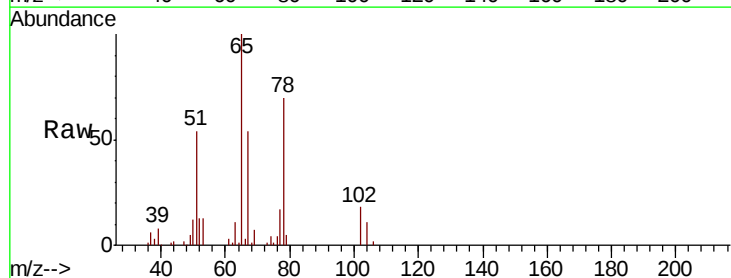
Manual Integrations
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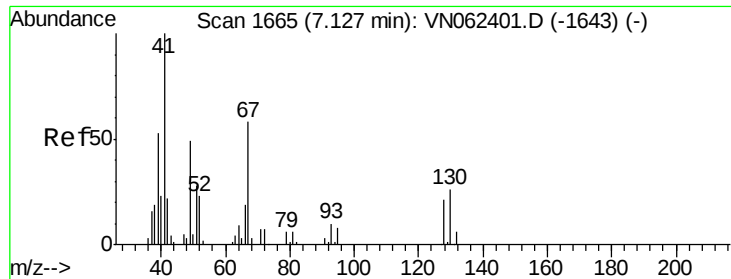
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#40
Benzene
Concen: 5.667 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.7	28.1





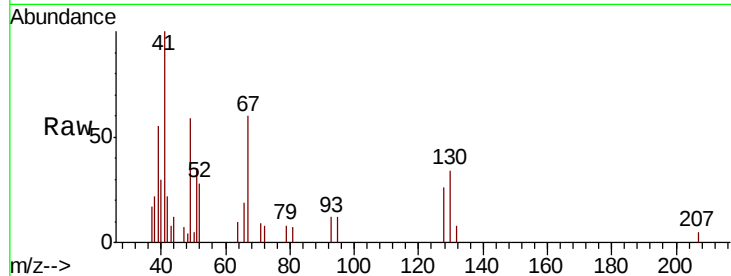
#41
Methacrylonitrile
Concen: 5.240 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.3	50.2	75.2
67	75.7	64.2	96.2
52	33.8	28.0	42.0

Manual Integrations
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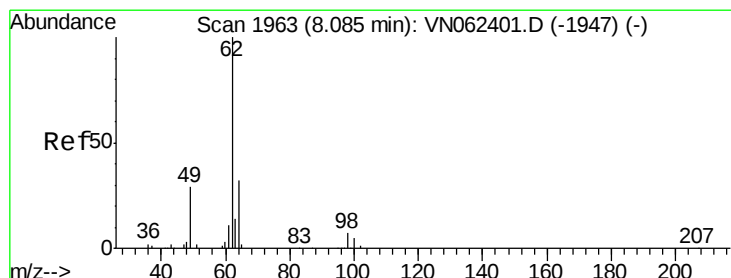
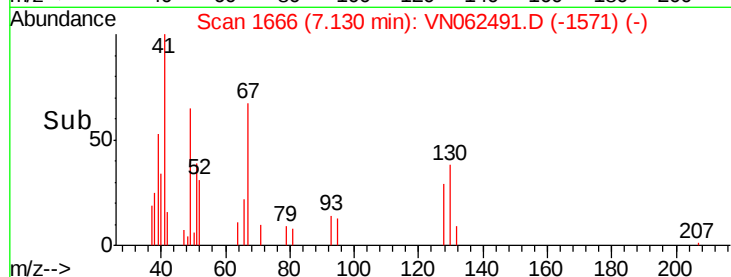
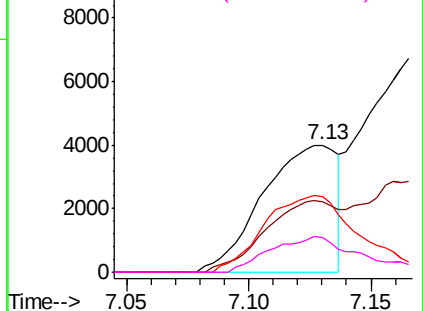
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

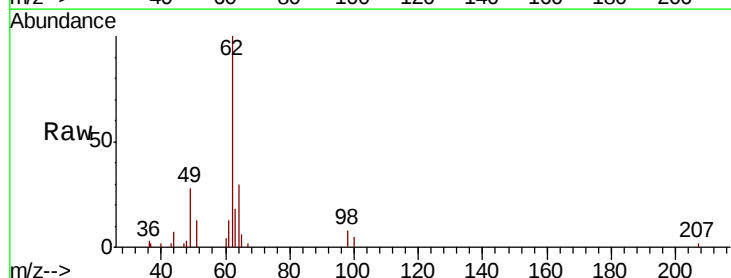
Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42
1,2-Dichloroethane
Concen: 5.690 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

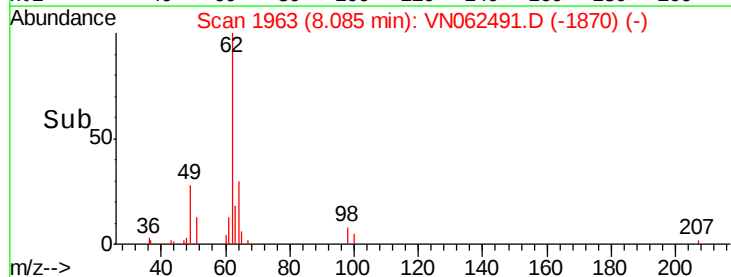
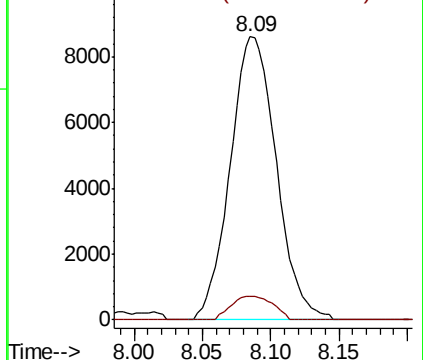
Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.8

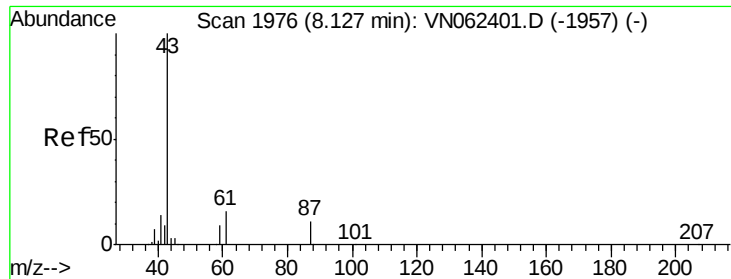


Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





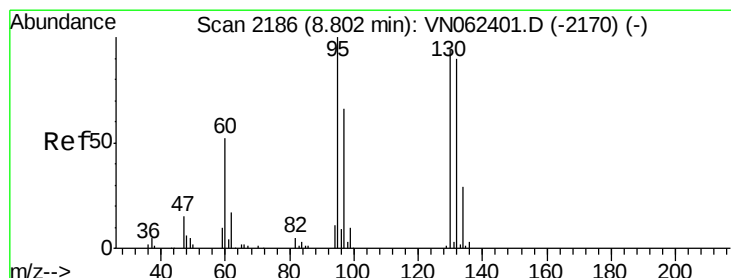
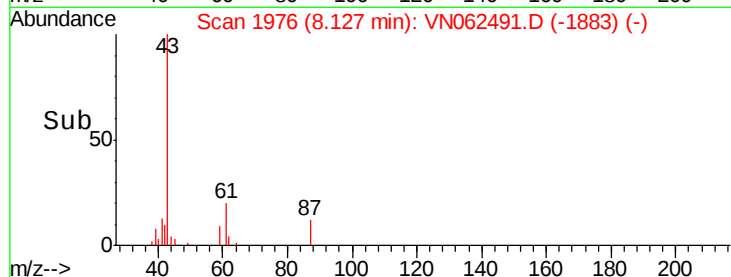
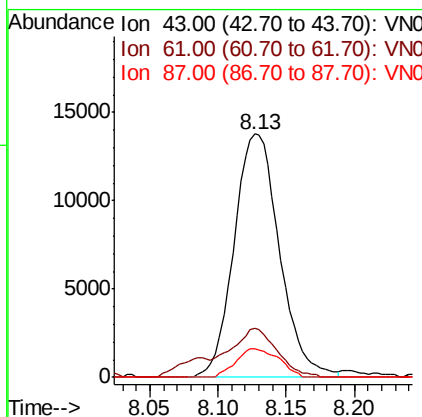
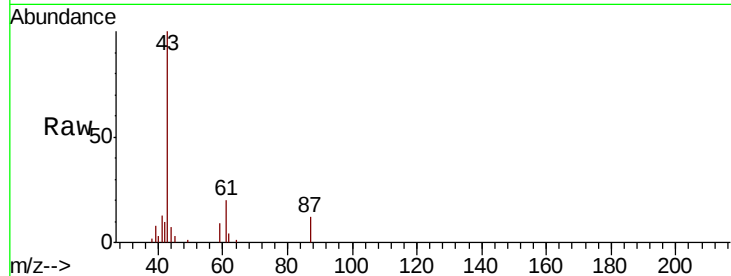
#43
Isopropyl Acetate
Concen: 5.248 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	19.3	28.9
87	11.0	8.6	13.0

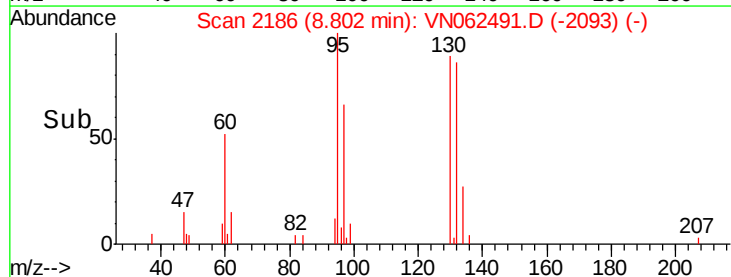
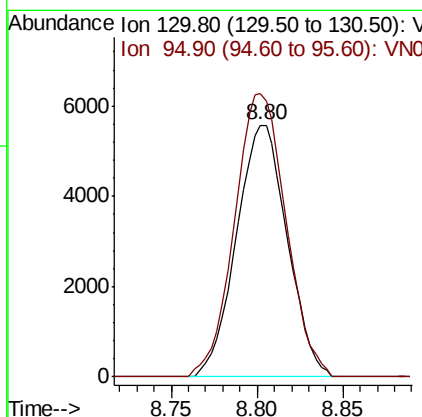
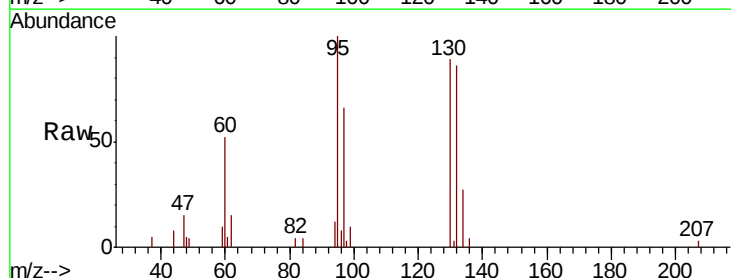
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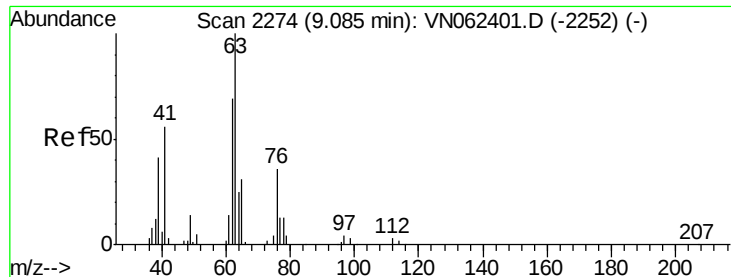
MMDadoda
7/13/2020 11:19:34 AM



#44
Trichloroethene
Concen: 5.317 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.4	0.0	213.8





#45

1,2-Dichloropropane

Concen: 5.160 ug/l

RT: 9.09 min Scan# 2275

Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 63 Resp: 14535

Ion Ratio Lower Upper

63 100

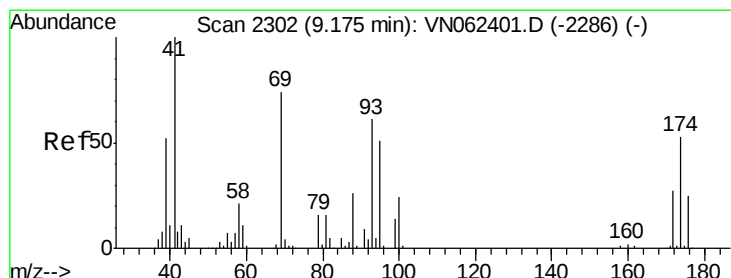
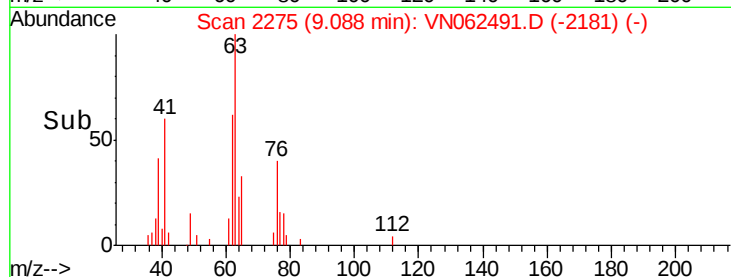
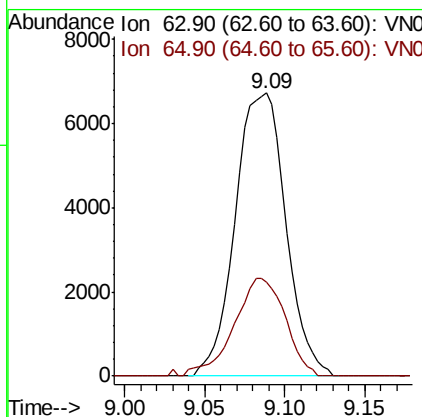
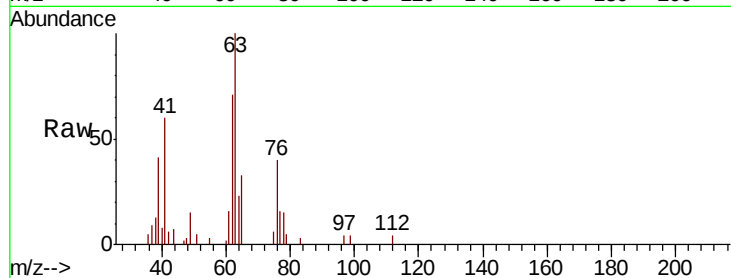
65 33.0 24.6 36.8

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#46

Dibromomethane

Concen: 5.532 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

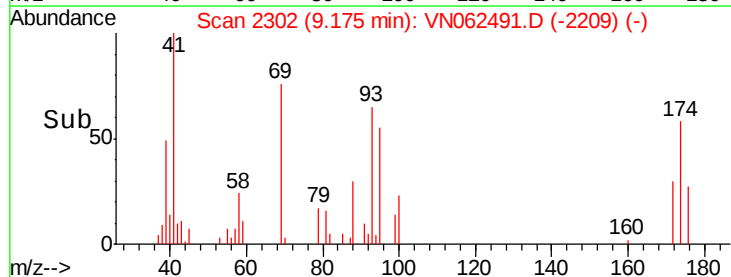
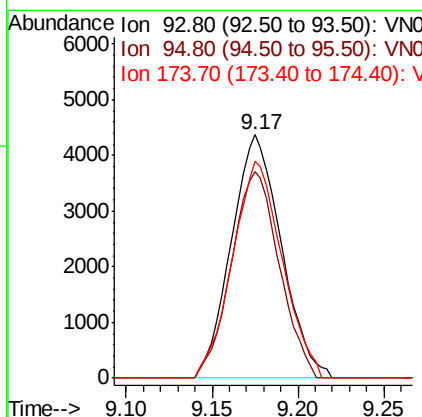
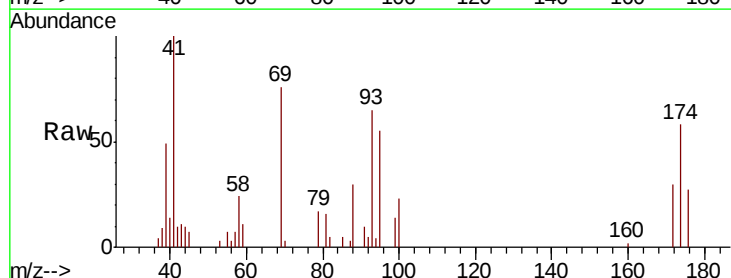
Tgt Ion: 93 Resp: 8793

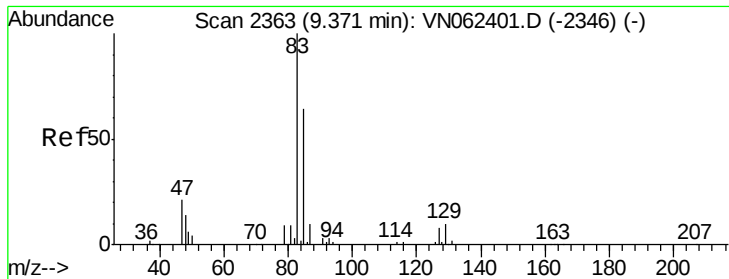
Ion Ratio Lower Upper

93 100

95 81.6 67.1 100.7

174 88.6 70.4 105.6





#47

Bromodichloromethane

Concen: 5.386 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Instrument :

MSVOA_N

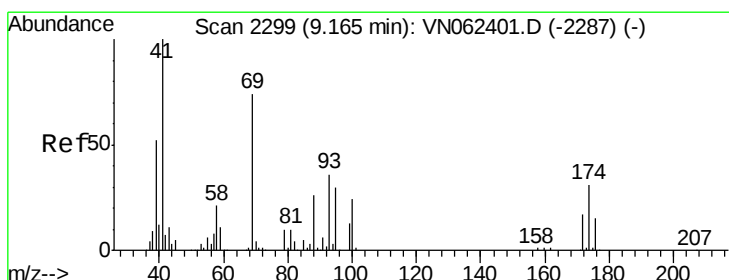
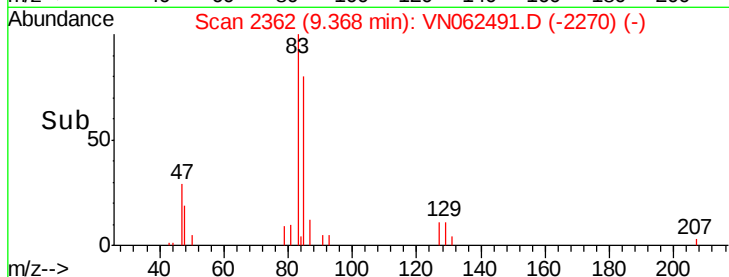
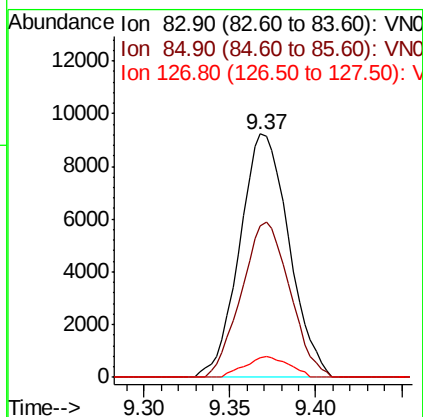
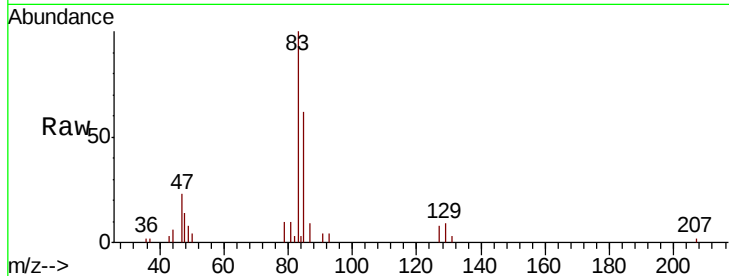
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:	83	Resp:	18304
Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.2	76.8
127	8.2	6.2	9.2

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#48

Methyl methacrylate

Concen: 5.123 ug/l

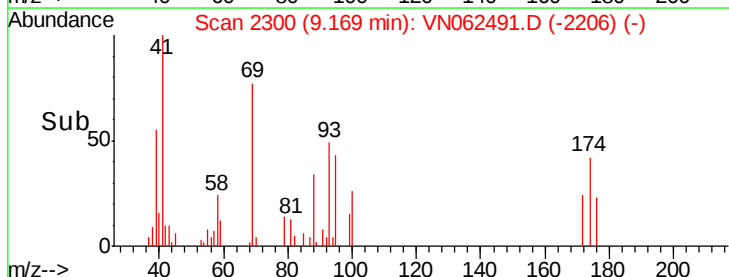
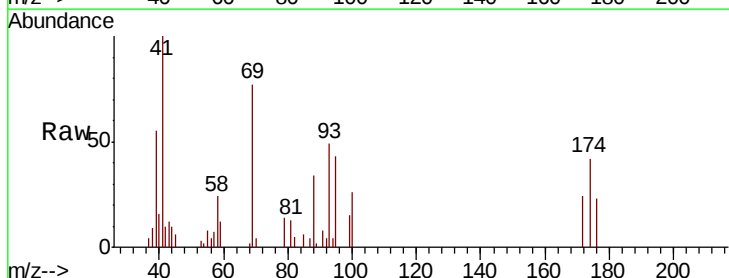
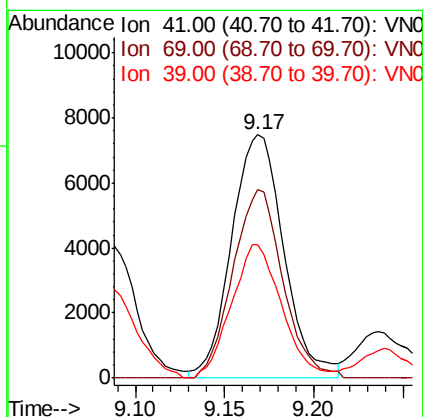
RT: 9.17 min Scan# 2300

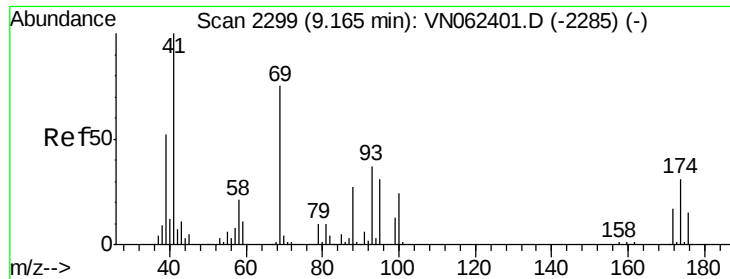
Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Tgt Ion:	41	Resp:	15283
Ion	Ratio	Lower	Upper
41	100		
69	74.2	60.8	91.2
39	52.9	43.5	65.3





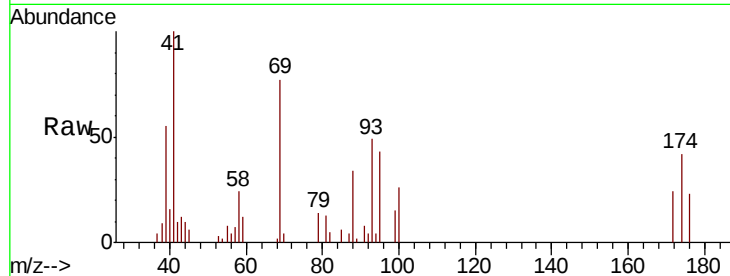
#49
1,4-Dioxane
Concen: 108.090 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

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

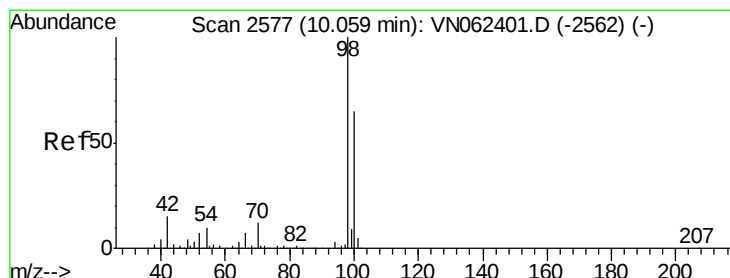
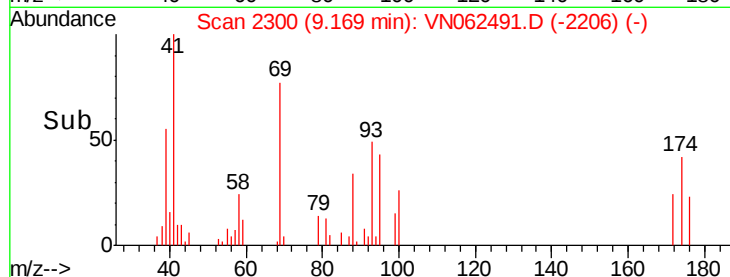
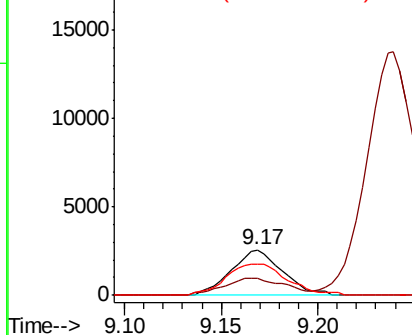
Tot Ion: 88 Resp: 4693
Ion Ratio Lower Upper
88 100
43 44.6 31.0 46.4
58 82.9 63.3 94.9

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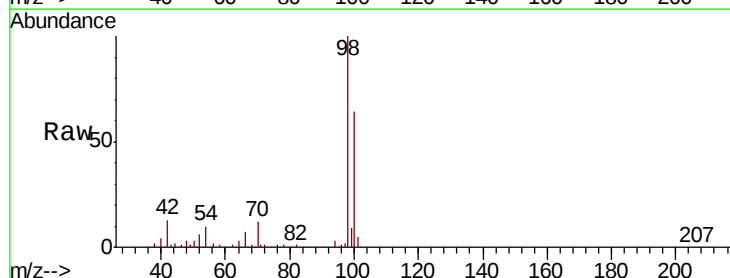


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

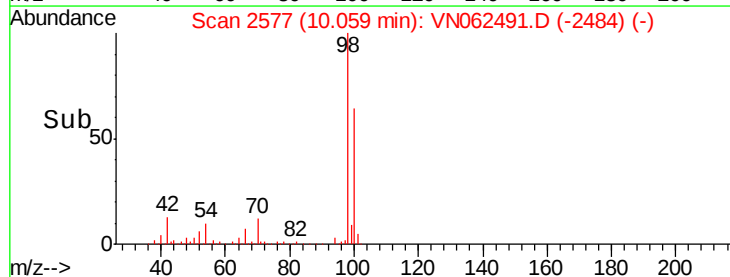
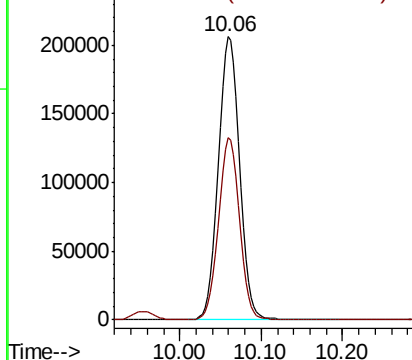


#50
Toluene-d8
Concen: 47.964 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

Tgt Ion: 98 Resp: 382448
Ion Ratio Lower Upper
98 100
100 63.7 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 25.852 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 43 Resp: 93897

Ion Ratio Lower Upper

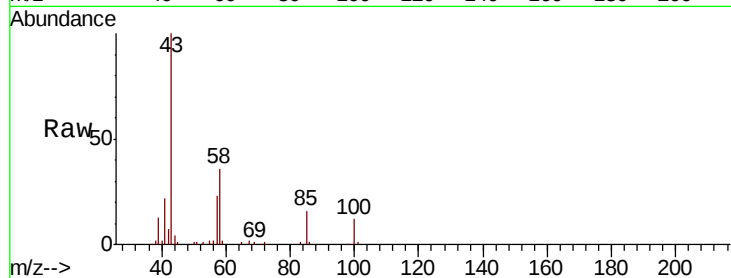
43 100

58 36.4 29.0 43.6

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Abundance Ion 43.00 (42.70 to 43.70): VN062401.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN062401.D (-2527) (-)

60000

50000

40000

30000

20000

10000

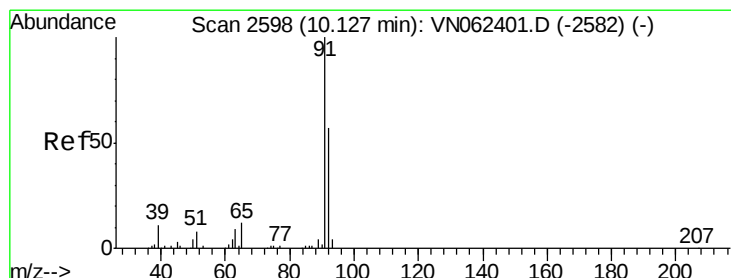
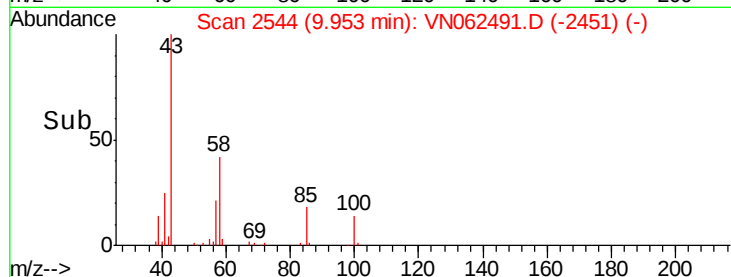
0

9.90

9.95

10.00

Time-->



#52

Toluene

Concen: 5.522 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062491.D

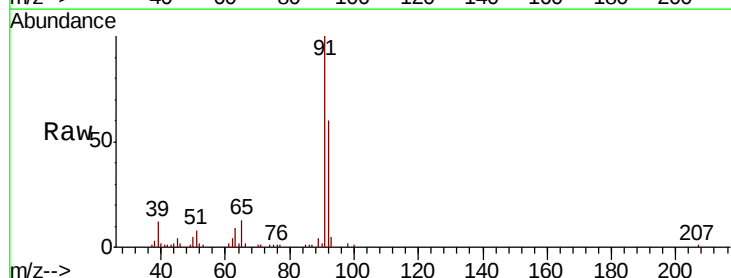
Acq: 10 Jul 2020 14:18

Tgt Ion: 92 Resp: 30946

Ion Ratio Lower Upper

92 100

91 174.9 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN062491.D (-2505) (-)

Ion 91.00 (90.70 to 91.70): VN062491.D (-2505) (-)

30000

20000

10000

0

10.05

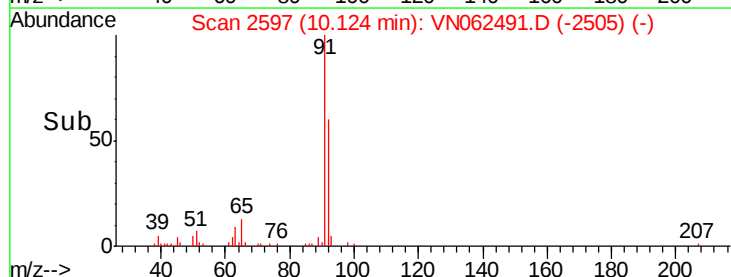
10.10

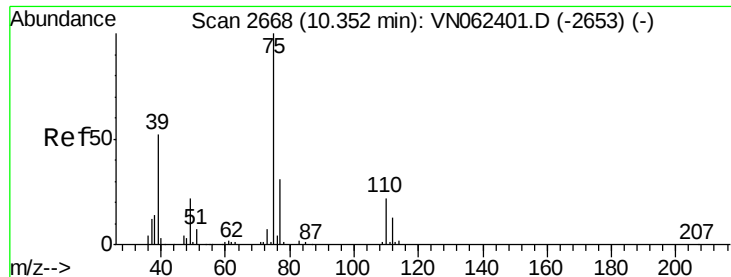
10.12

10.15

10.20

Time-->





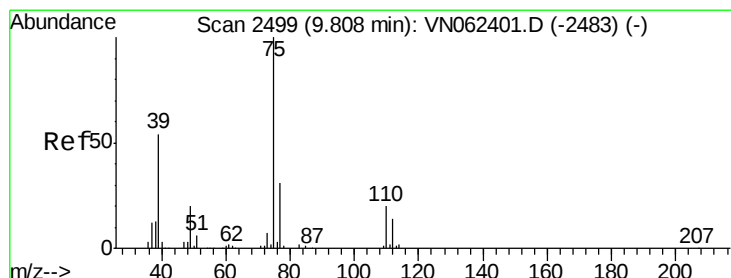
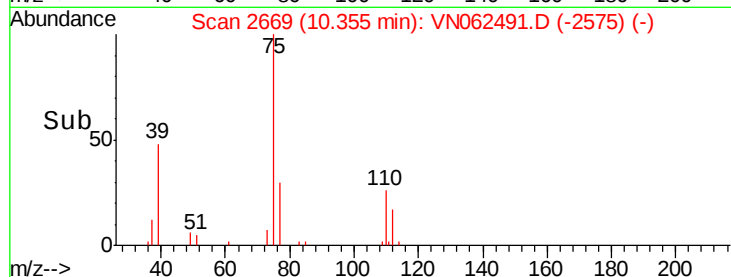
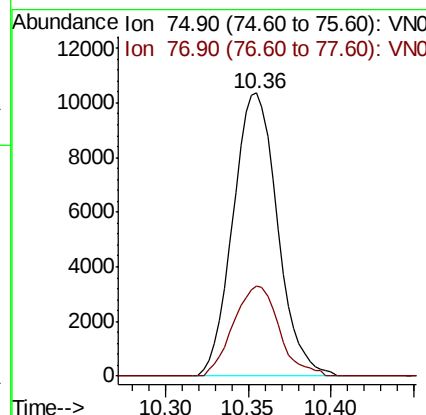
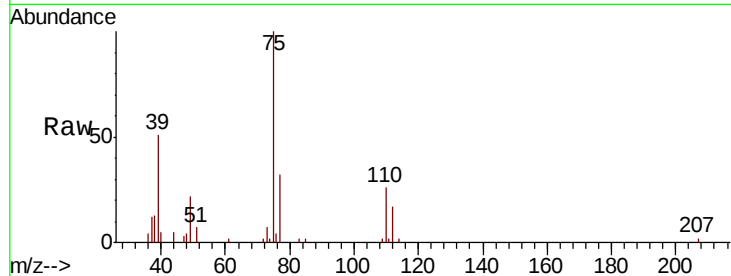
#53
t-1,3-Dichloropropene
Concen: 5.084 ug/l
RT: 10.36 min Scan# 2669
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.2	37.8

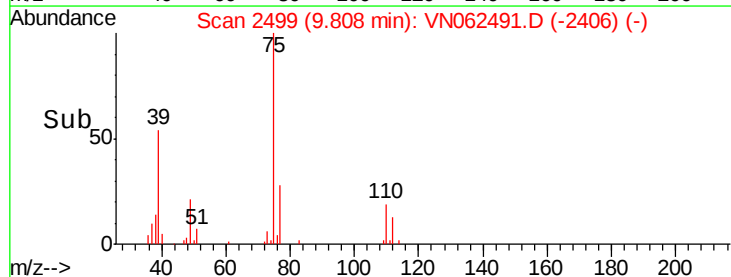
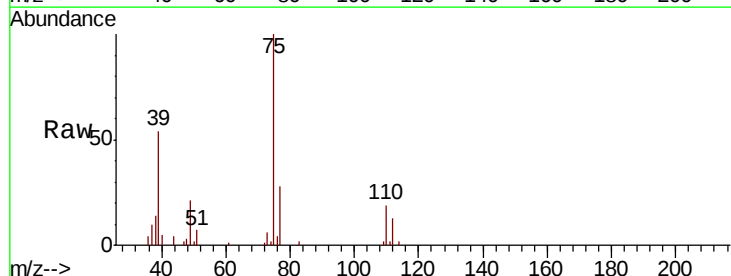
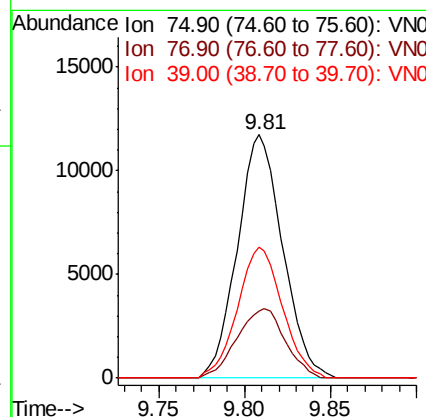
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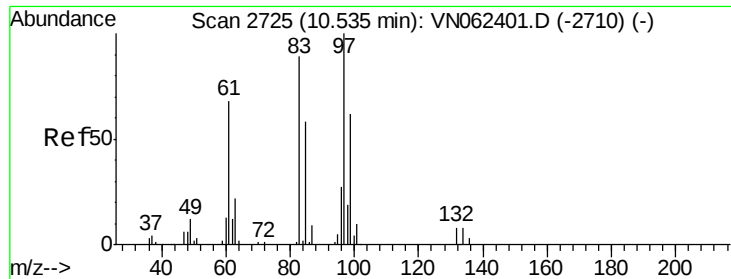
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#54
cis-1,3-Dichloropropene
Concen: 5.103 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	27.7	24.5	36.7
39	53.9	43.4	65.0





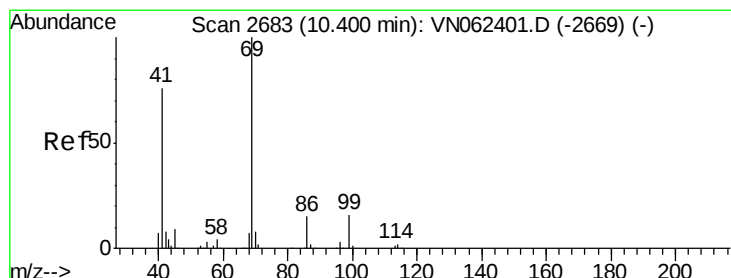
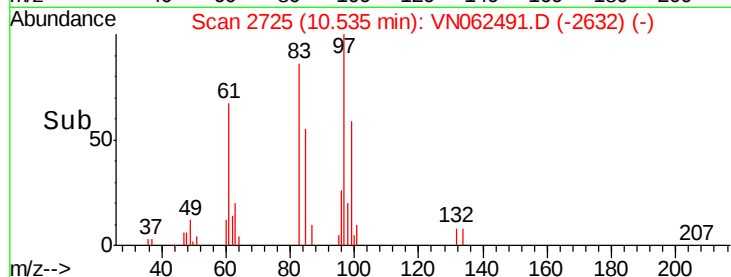
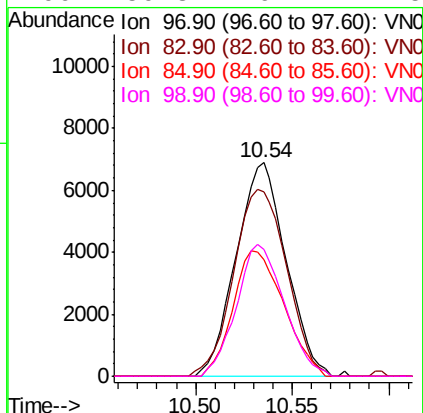
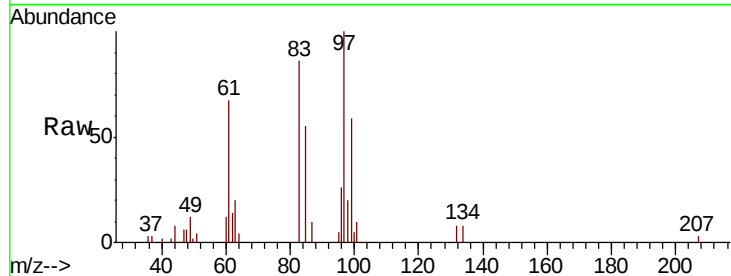
#55
1,1,2-Trichloroethane
Concen: 5.621 ug/l
RT: 10.54 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

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

Tot Ion:	97	Resp:	12389
Ion	Ratio	Lower	Upper
97	100		
83	86.0	71.0	106.4
85	54.5	46.2	69.4
99	59.3	49.7	74.5

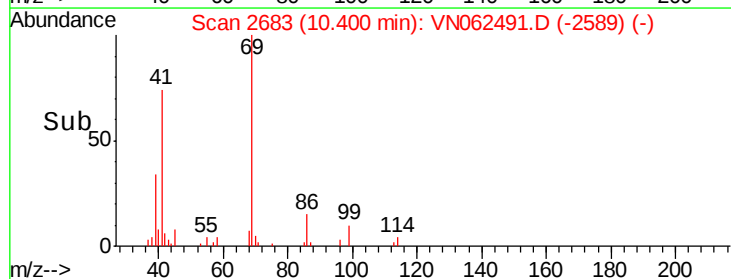
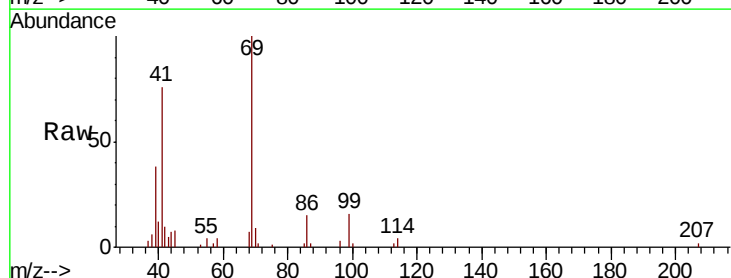
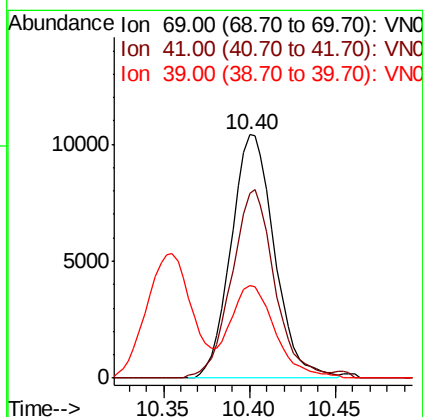
Manual Integrations
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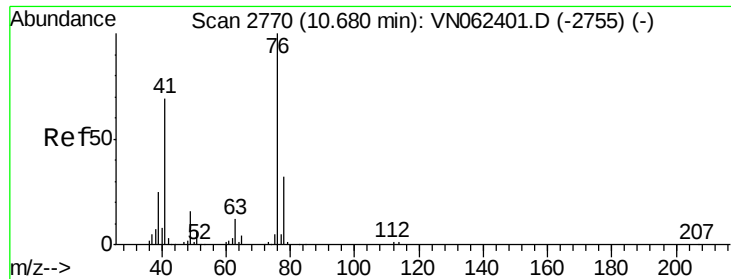
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#56
Ethyl methacrylate
Concen: 4.947 ug/l
RT: 10.40 min Scan# 2683
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

Tgt Ion:	69	Resp:	18223
Ion	Ratio	Lower	Upper
69	100		
41	76.7	59.7	89.5
39	39.2	30.6	45.8





#57

1,3-Dichloropropane

Concen: 5.532 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 76 Resp: 22529

Ion Ratio Lower Upper

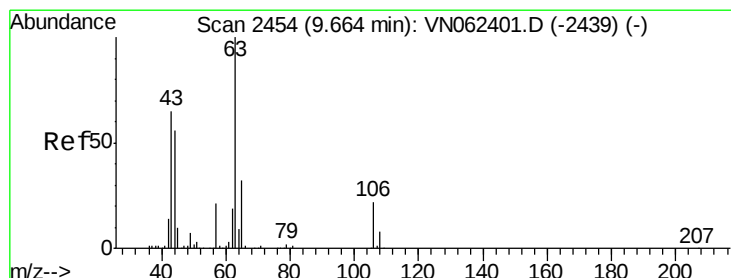
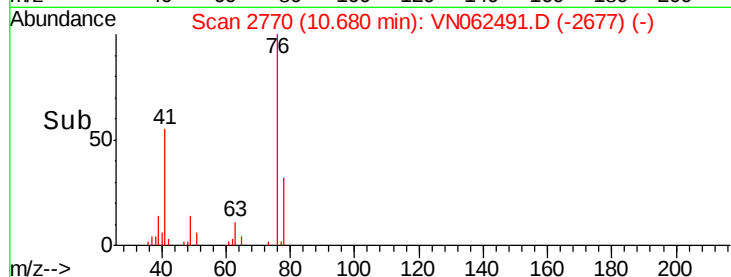
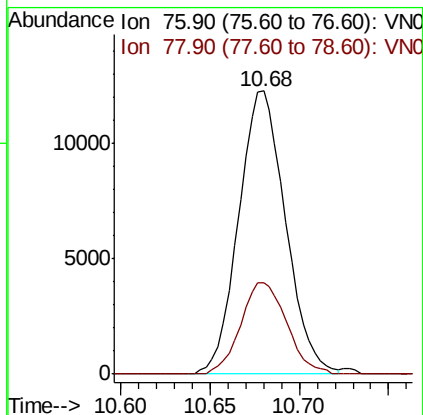
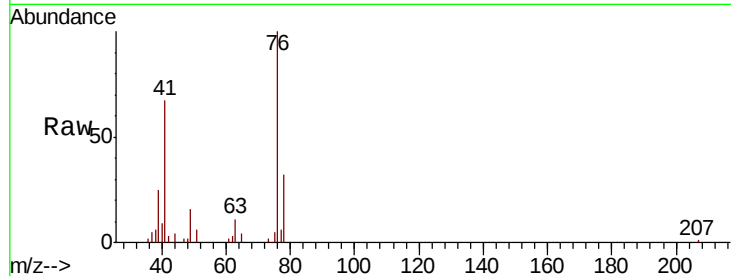
76 100

78 31.8 25.6 38.4

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#58

2-Chloroethyl Vinyl ether

Concen: 21.961 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062491.D

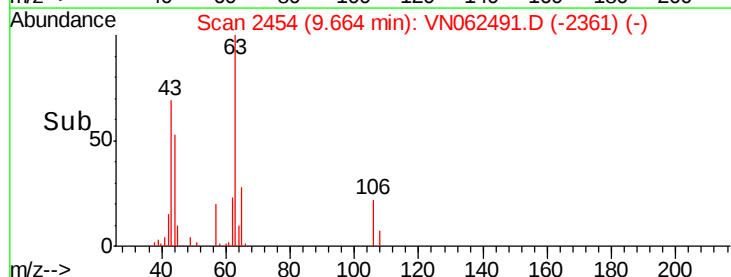
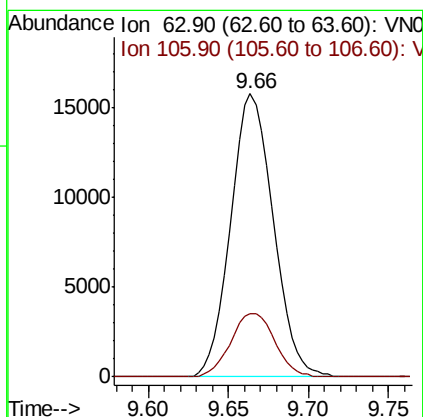
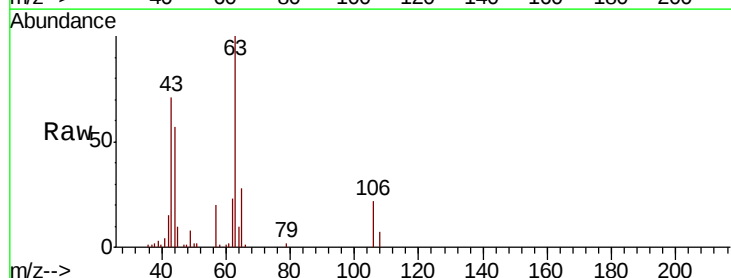
Acq: 10 Jul 2020 14:18

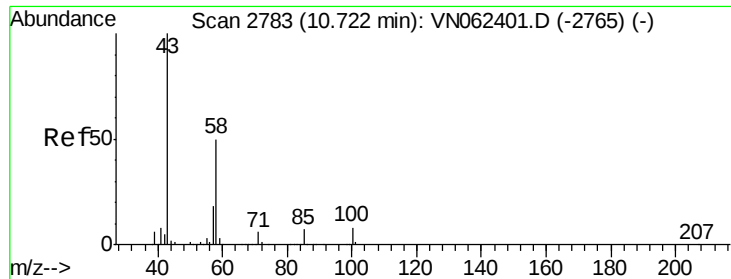
Tgt Ion: 63 Resp: 28717

Ion Ratio Lower Upper

63 100

106 23.1 17.6 26.4





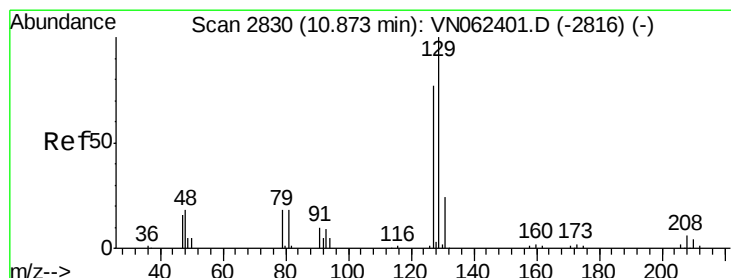
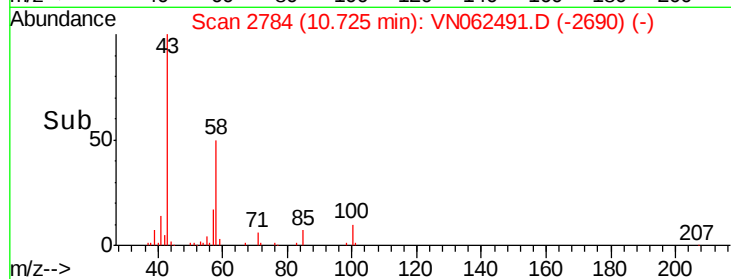
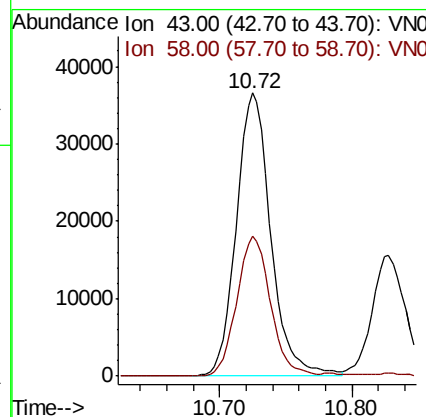
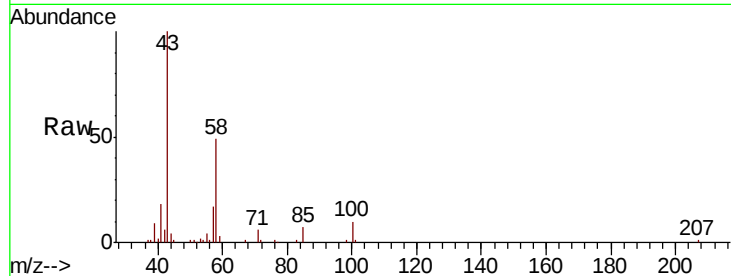
#59
2-Hexanone
Concen: 25.075 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

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

Tot Ion: 43 Resp: 66119
Ion Ratio Lower Upper
43 100
58 48.1 25.1 75.2

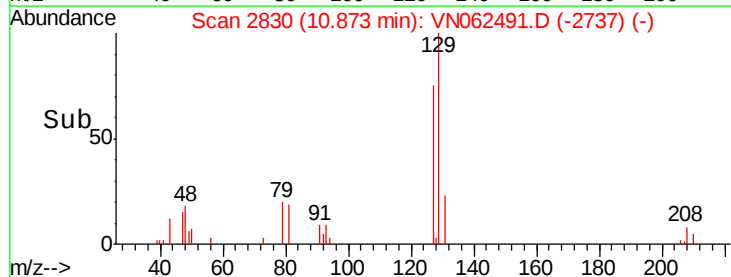
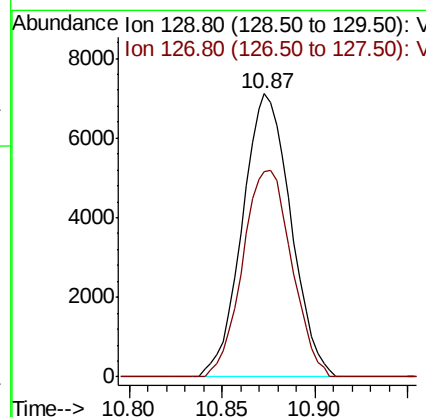
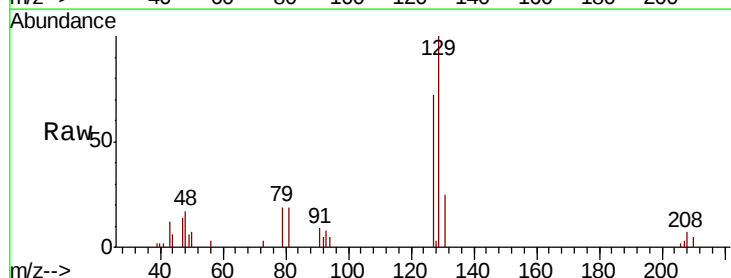
Manual Integrations
APPROVED

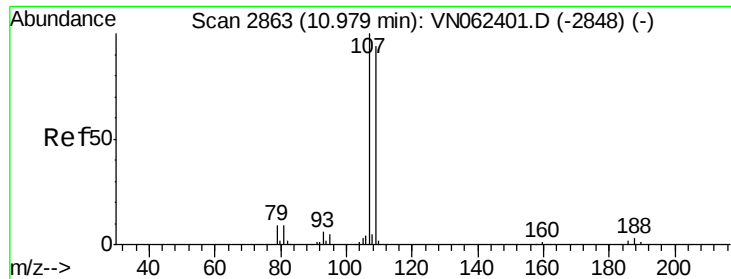
MMDadoda
7/13/2020 11:19:34 AM



#60
Dibromochloromethane
Concen: 5.411 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

Tgt Ion: 129 Resp: 12933
Ion Ratio Lower Upper
129 100
127 73.8 38.6 115.8





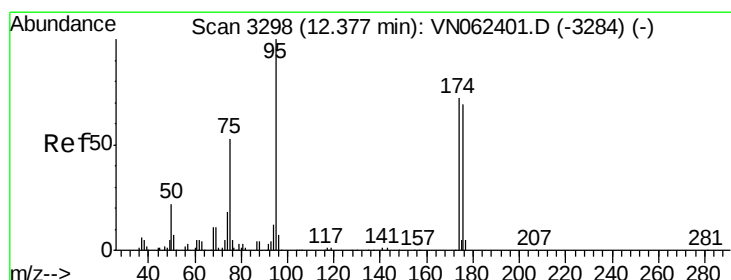
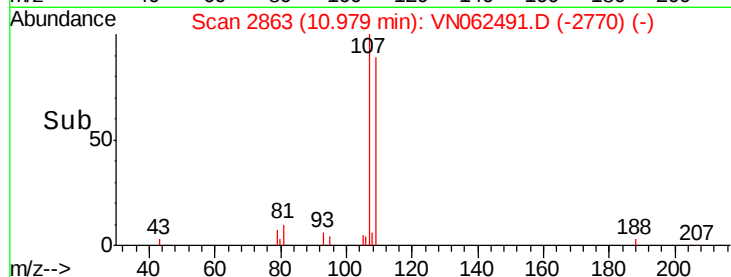
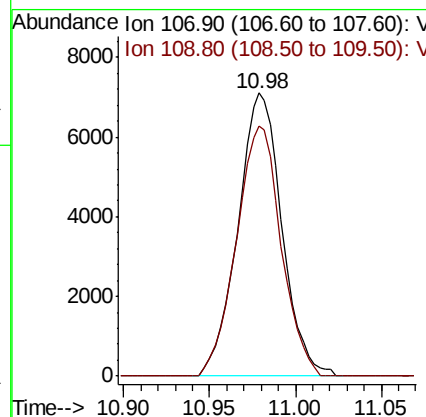
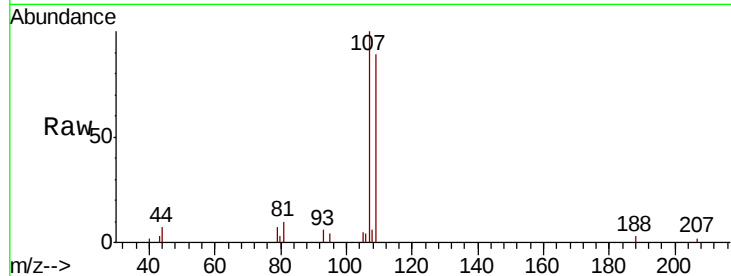
#61
 1,2-Dibromoethane
 Concen: 5.665 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062491.D
 Acq: 10 Jul 2020 14:18

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

Tot Ion: 107 Resp: 12604
 Ion Ratio Lower Upper
 107 100
 109 89.7 75.6 113.4

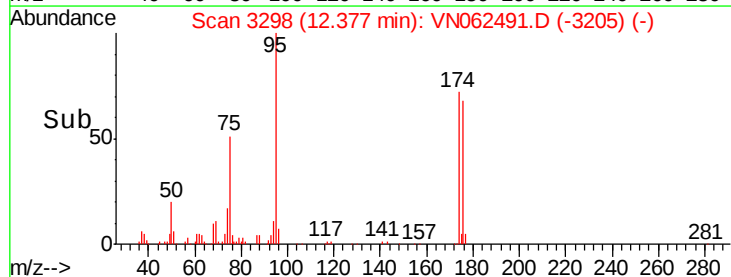
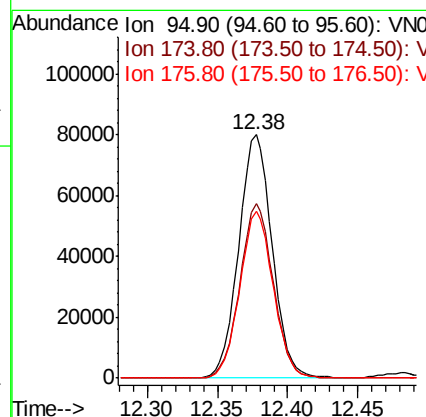
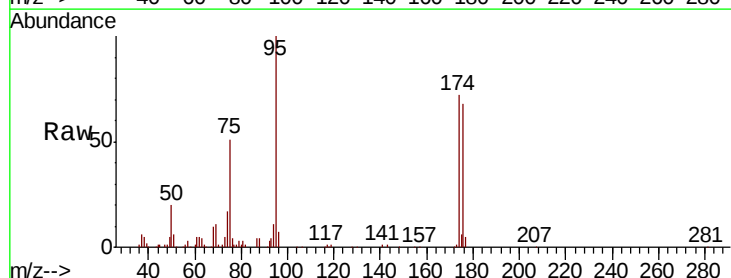
Manual Integrations
 APPROVED

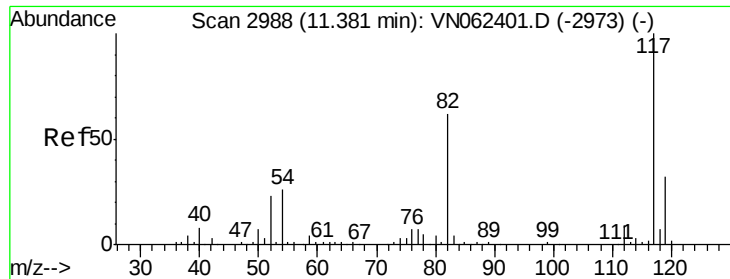
MMDadoda
 7/13/2020 11:19:34 AM



#62
 4-Bromofluorobenzene
 Concen: 45.639 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062491.D
 Acq: 10 Jul 2020 14:18

Tgt Ion: 95 Resp: 132985
 Ion Ratio Lower Upper
 95 100
 174 71.6 0.0 141.6
 176 68.8 0.0 137.2





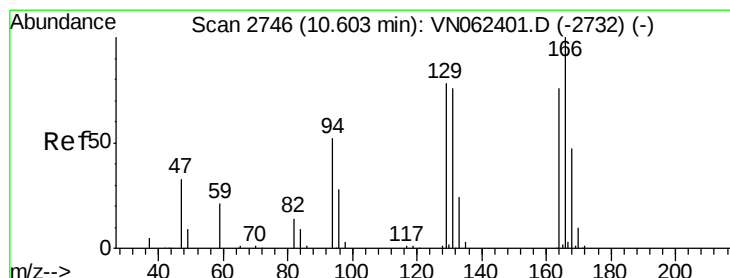
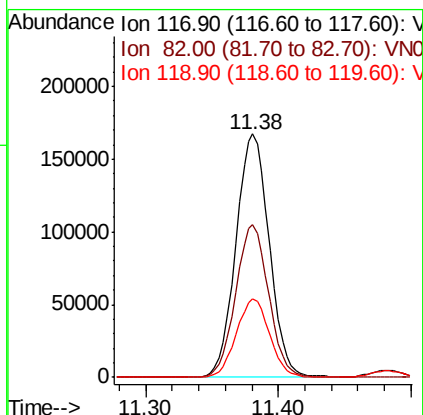
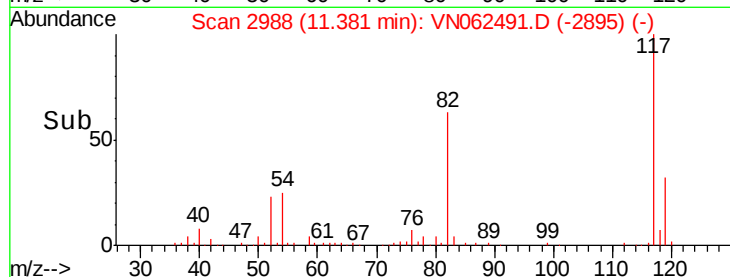
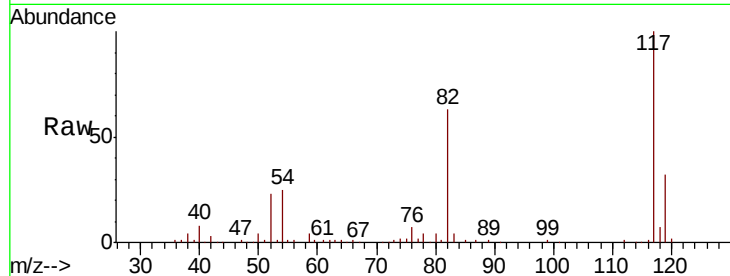
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.6	49.6	74.4
119	32.0	25.4	38.0

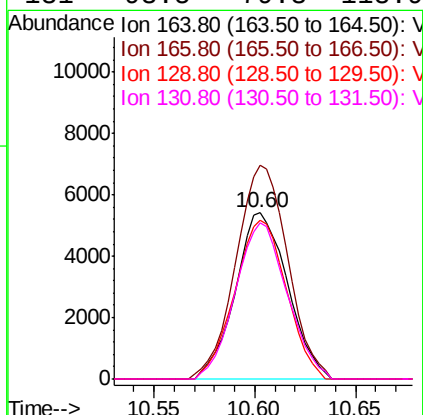
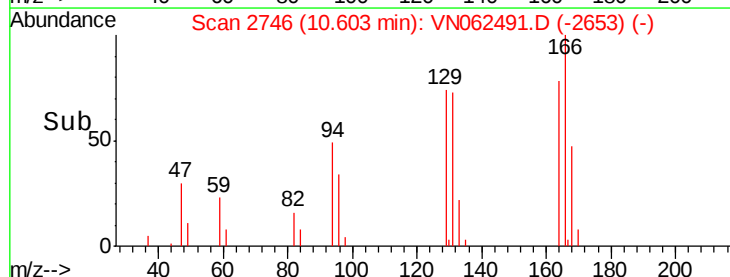
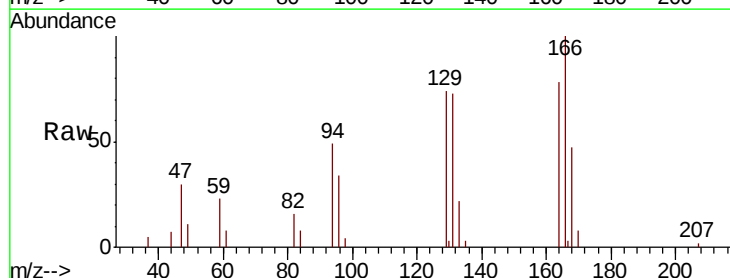
Manual Integrations
APPROVED

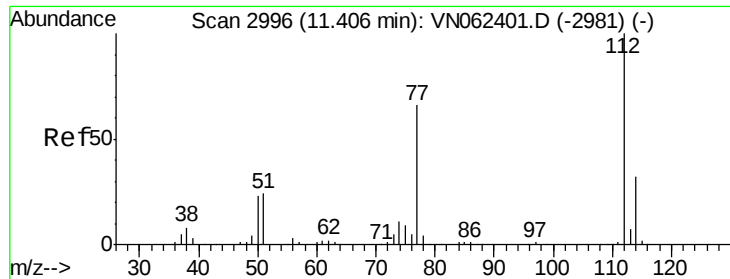
MMDadoda
7/13/2020 11:19:34 AM



#64
Tetrachloroethene
Concen: 5.660 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	104.9	157.3
129	95.1	81.8	122.6
131	93.5	79.3	118.9





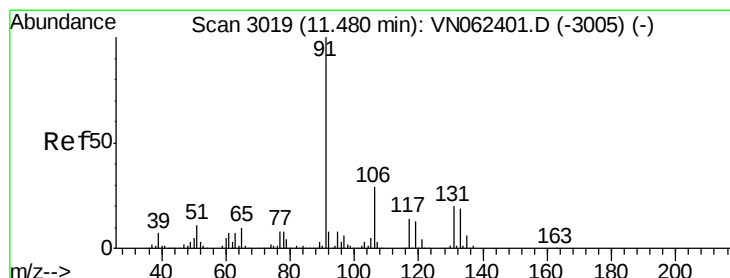
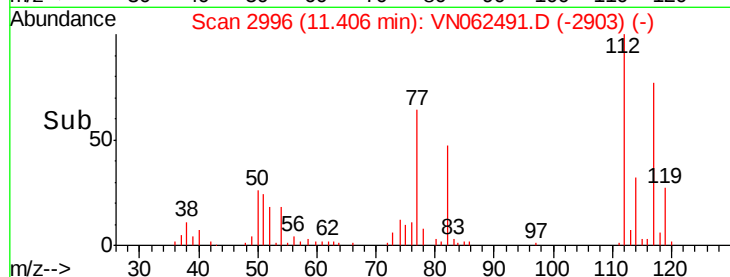
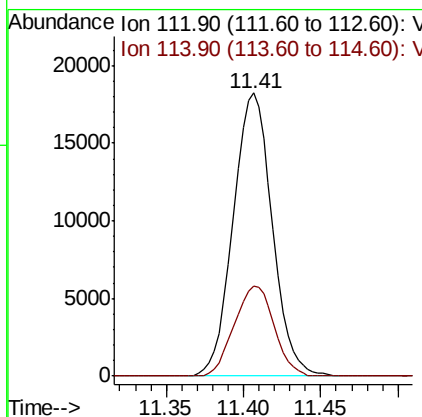
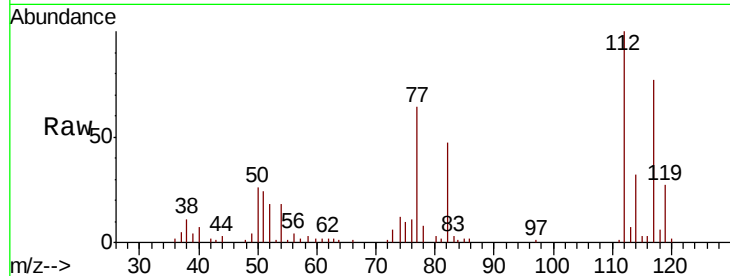
#65
Chlorobenzene
Concen: 5.628 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

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

Tot Ion:112 Resp: 31960
Ion Ratio Lower Upper
112 100
114 31.7 25.9 38.9

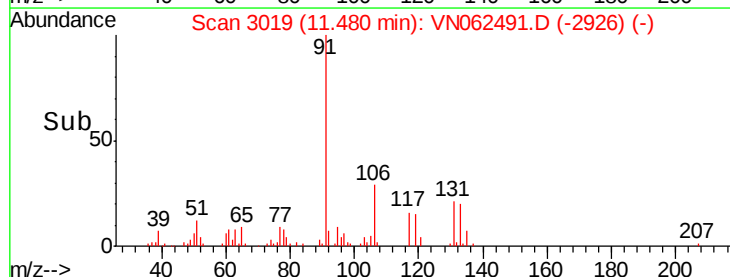
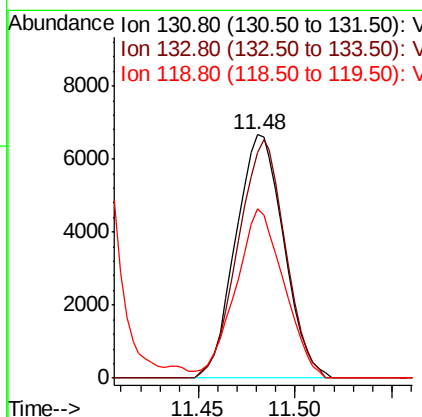
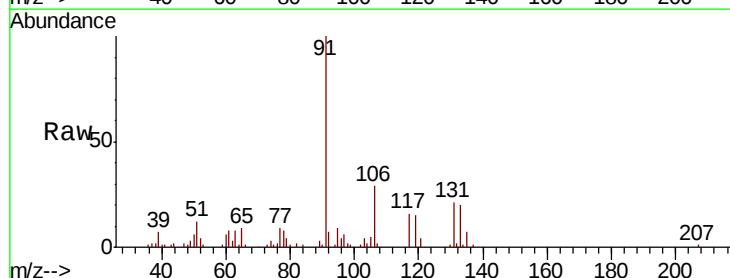
Manual Integrations
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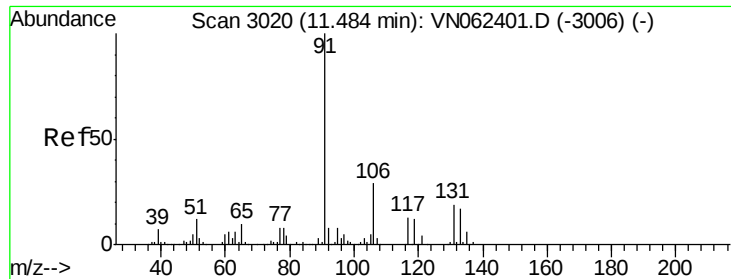
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.507 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

Tgt Ion:131 Resp: 11532
Ion Ratio Lower Upper
131 100
133 96.0 46.9 140.8
119 69.7 33.2 99.6





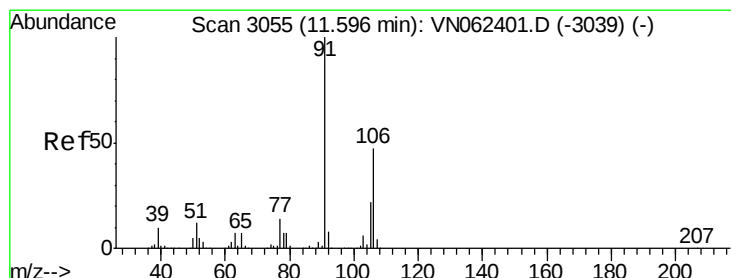
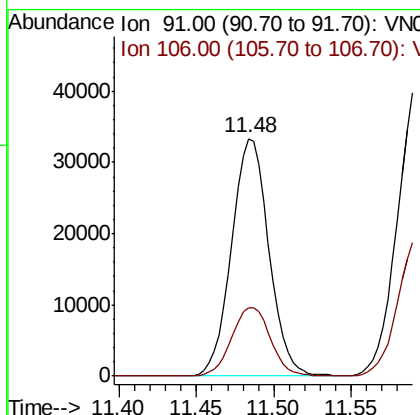
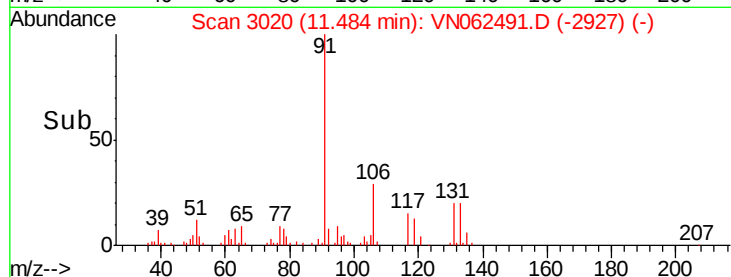
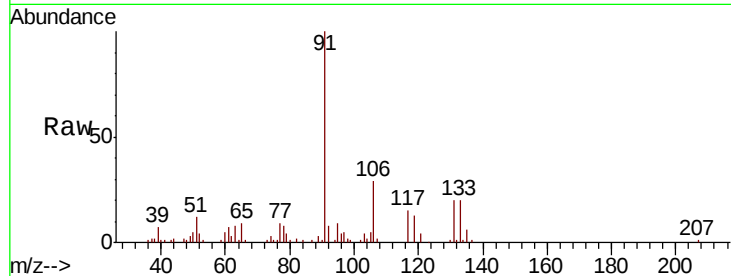
#67
Ethyl Benzene
Concen: 5.233 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

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

Tot Ion: 91 Resp: 55775
Ion Ratio Lower Upper
91 100
106 28.9 23.4 35.2

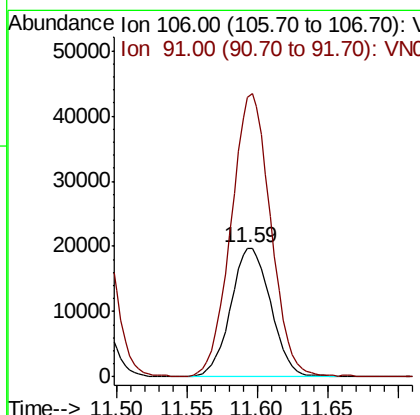
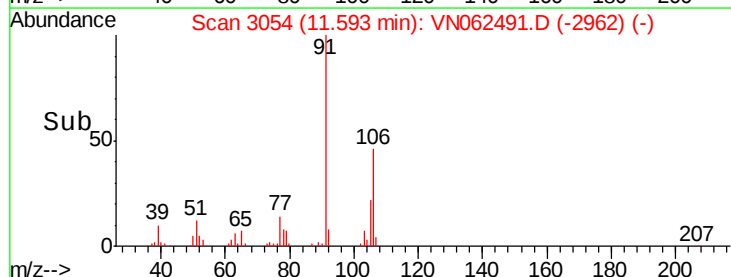
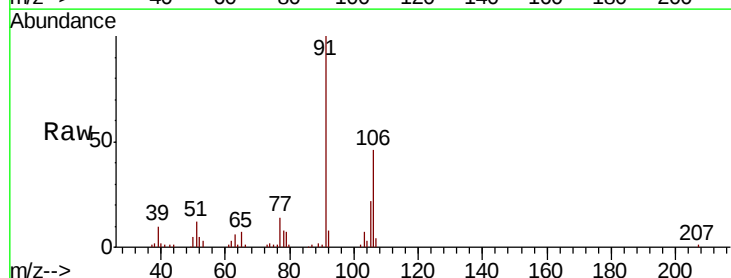
Manual Integrations
APPROVED

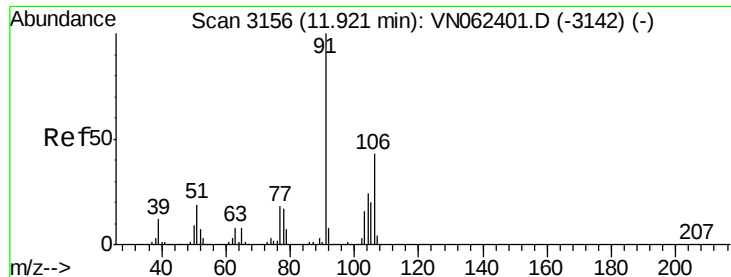
MMDadoda
7/13/2020 11:19:34 AM



#68
m/p-Xylenes
Concen: 10.418 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

Tgt Ion: 106 Resp: 39313
Ion Ratio Lower Upper
106 100
91 217.0 172.4 258.6





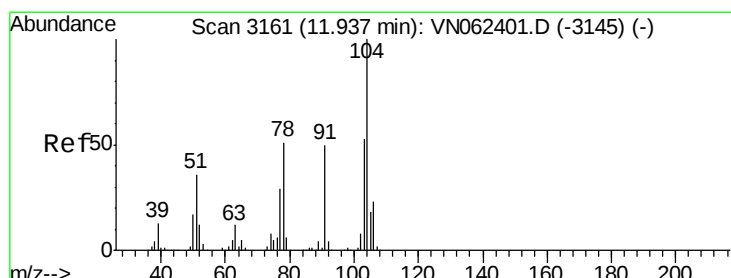
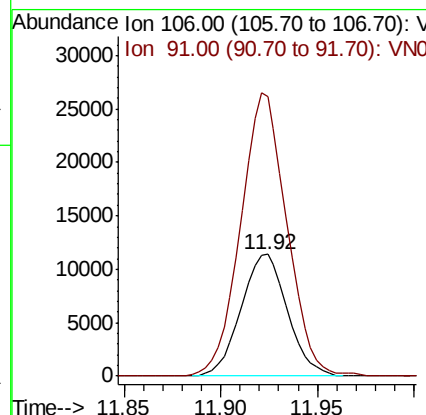
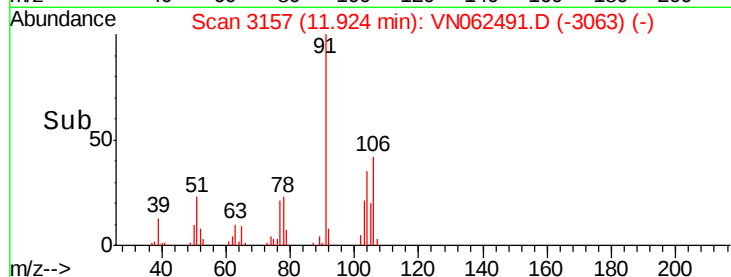
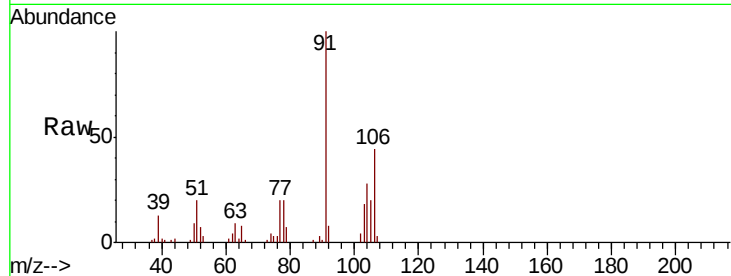
#69
o-Xylene
Concen: 5.164 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

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

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	231.8	113.8	341.4	

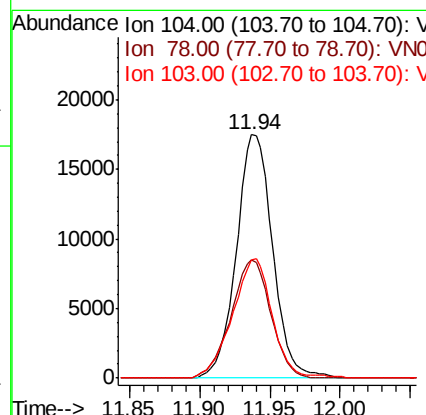
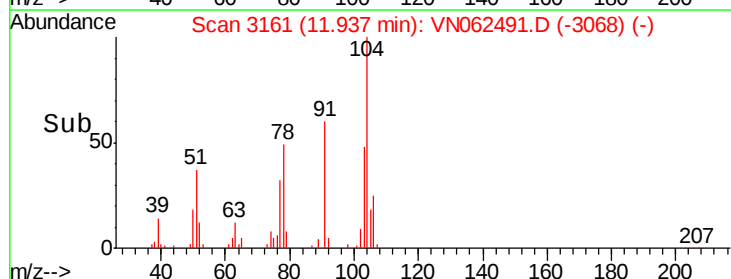
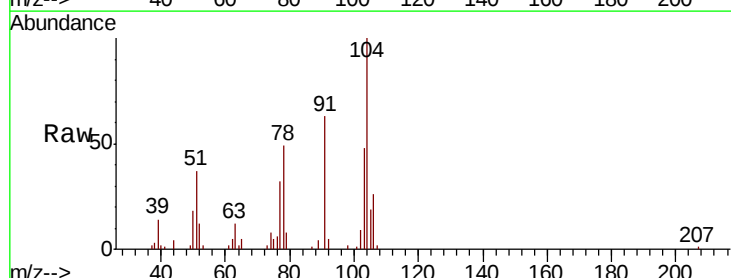
Manual Integrations
APPROVED

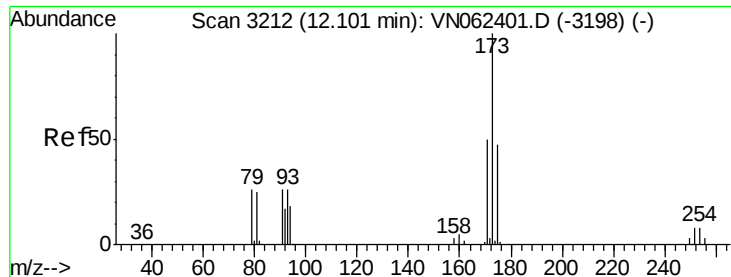
MMDadoda
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#70
Styrene
Concen: 5.193 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	53.3	44.2	66.4	
103	53.7	44.4	66.6	





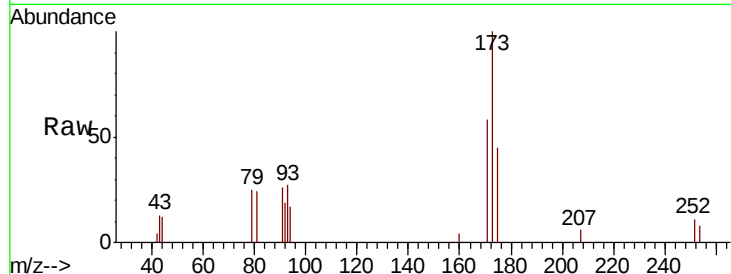
#71
Bromoform
Concen: 5.474 ug/l
RT: 12.10 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

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

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.7	71.1
254	0.0	0.0	0.0

Manual Integrations
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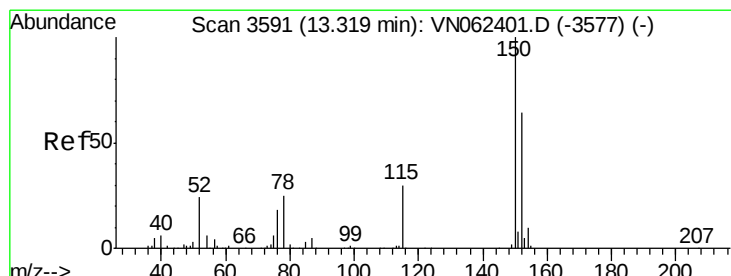
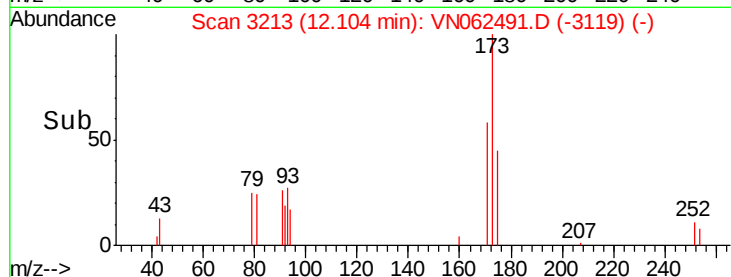
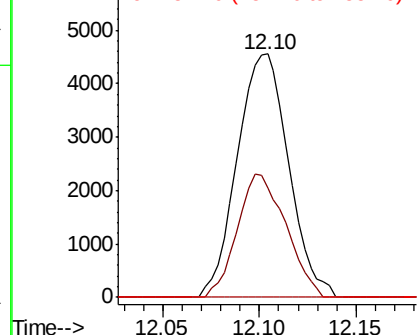


Abundance

Ion 172.70 (172.40 to 173.40): V

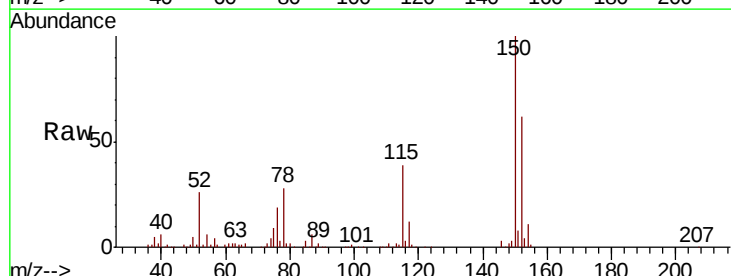
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.4	94.2
150	159.3	0.0	347.4

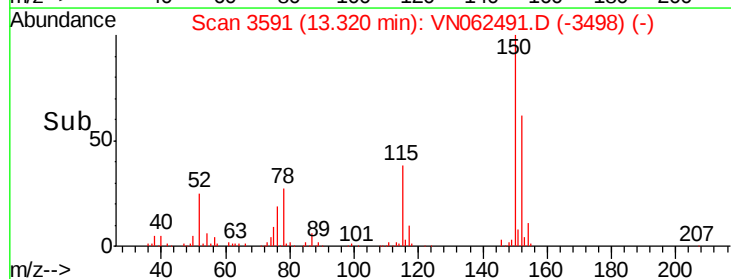
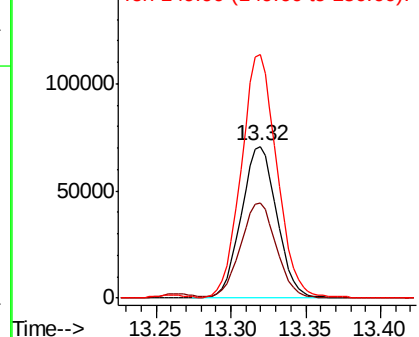


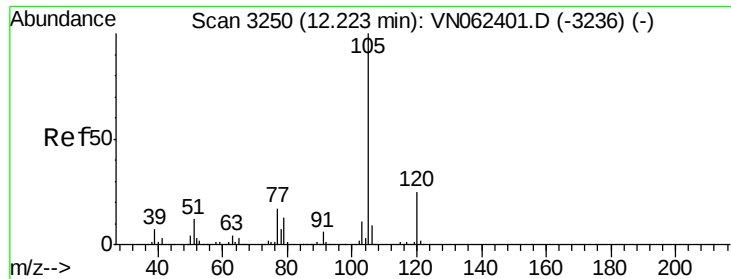
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.670 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:105 Resp: 51689

Ion Ratio Lower Upper

105 100

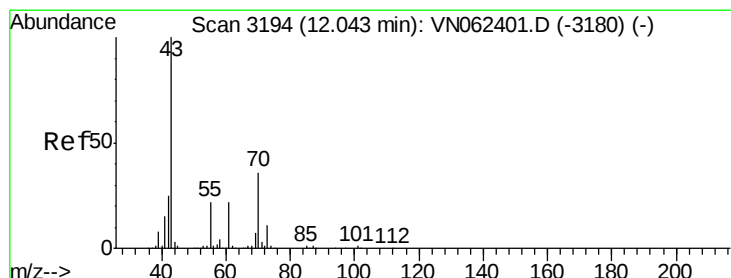
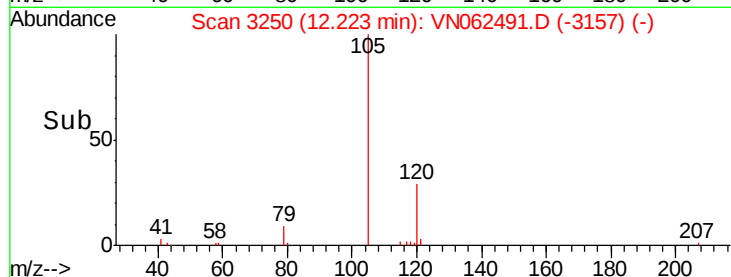
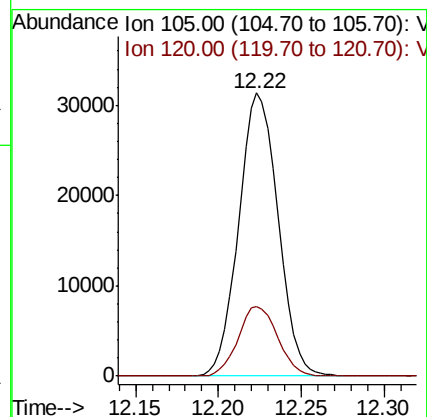
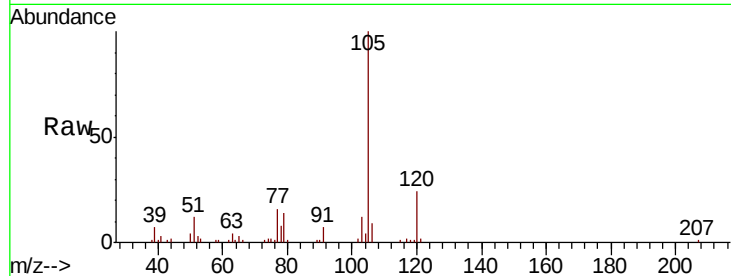
120 24.7 12.7 38.1

Manual Integrations

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7/13/2020 11:19:34 AM



#74

N-ethyl acetate

Concen: 5.172 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Tgt Ion: 43 Resp: 22947

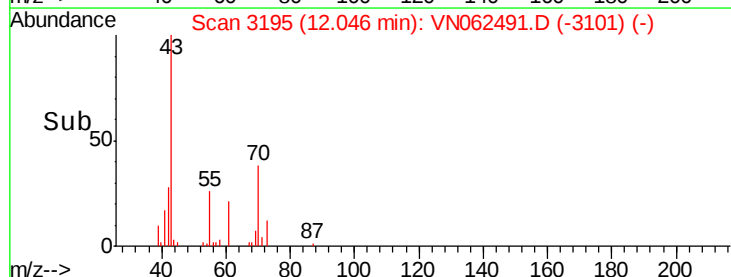
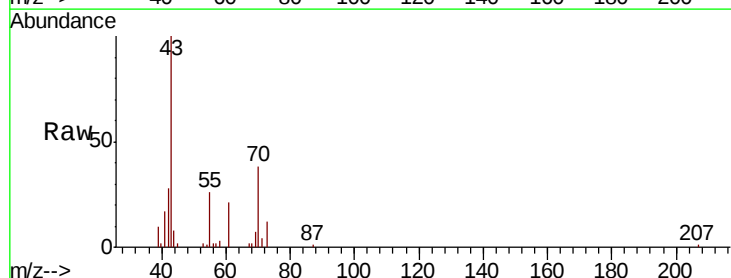
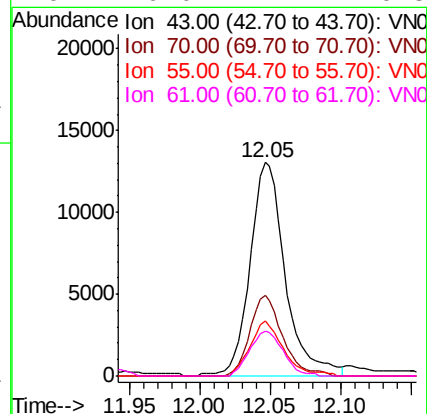
Ion Ratio Lower Upper

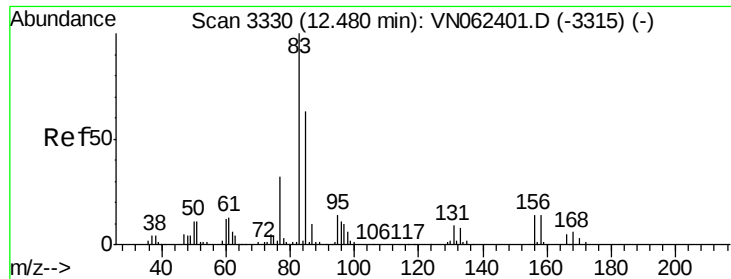
43 100

70 34.9 30.0 45.0

55 24.3 18.2 27.4

61 20.0 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 6.335 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Instrument :

MSVOA_N

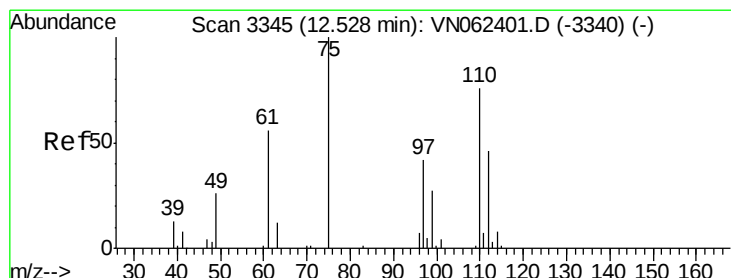
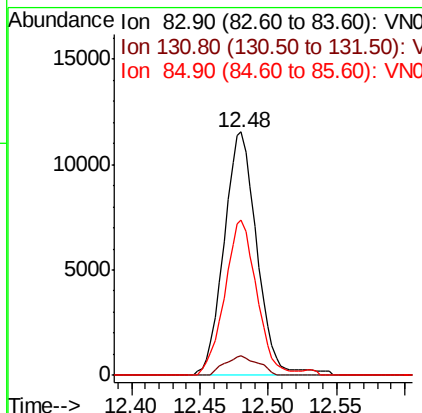
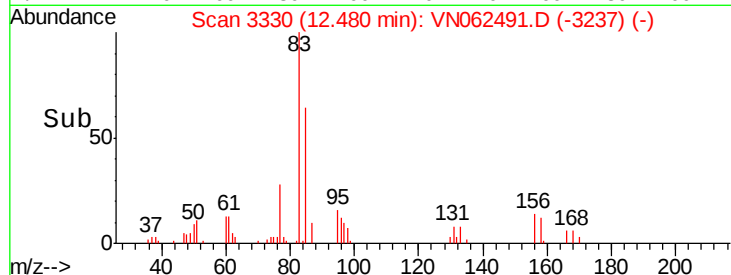
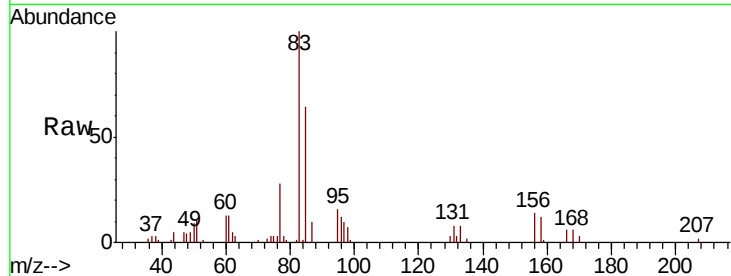
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:	83	Resp:	19416
Ion Ratio	Lower	Upper	
83	100		
131	8.0	4.5	13.5
85	61.6	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.989 ug/l m

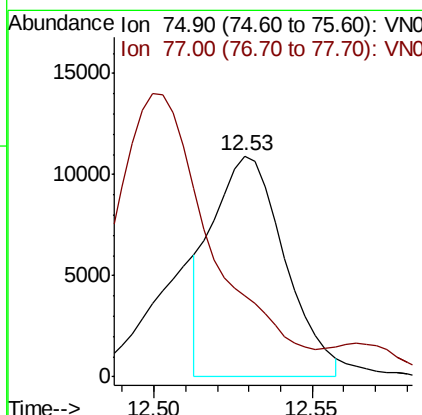
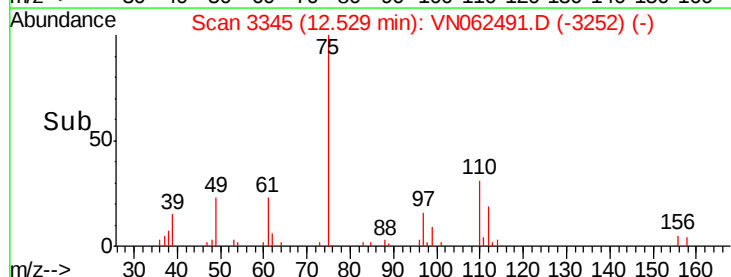
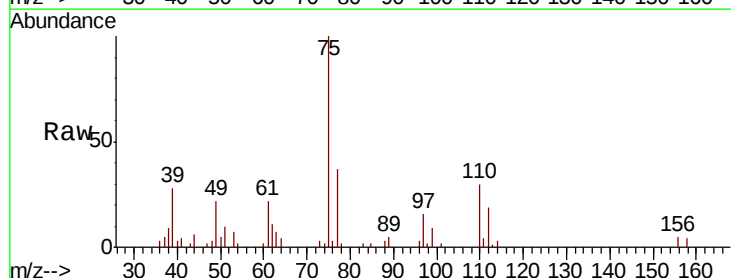
RT: 12.53 min Scan# 3345

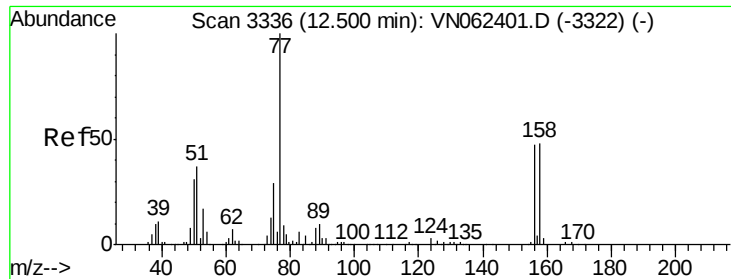
Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Tgt Ion:	75	Resp:	17310
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 6.125 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Instrument :

MSVOA_N

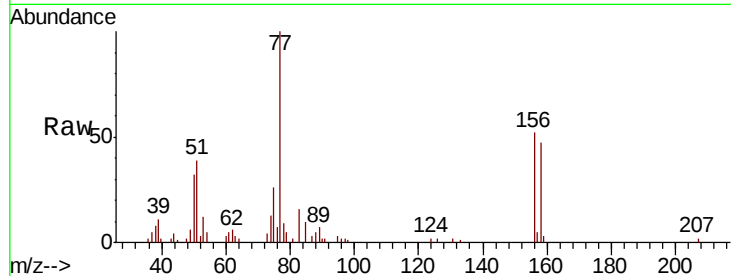
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion	156	Resp	12694
Ion Ratio	100	Lower	Upper
156	100		
77	238.0	126.4	379.3
158	91.6	49.8	149.4

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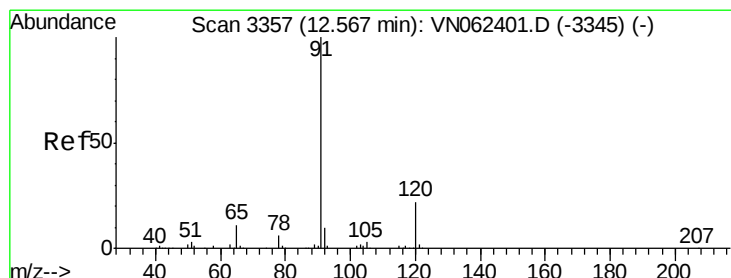
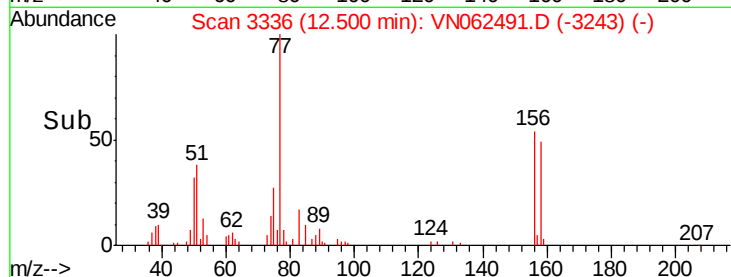
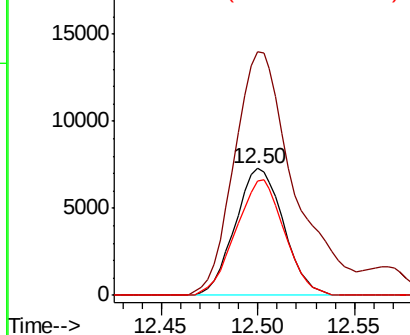
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.593 ug/l

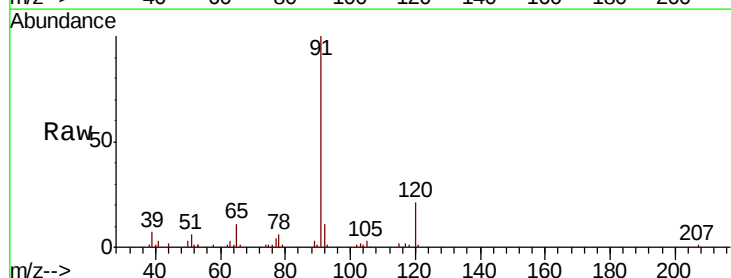
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062491.D

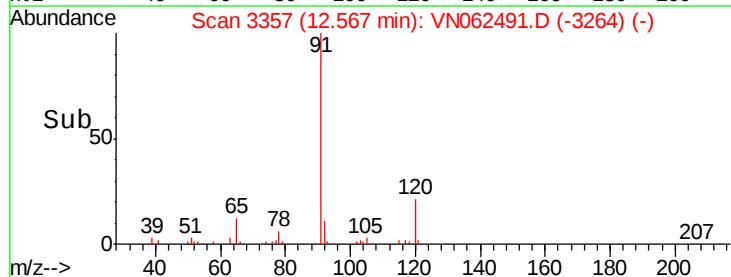
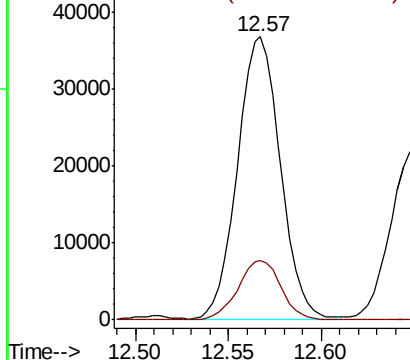
Acq: 10 Jul 2020 14:18

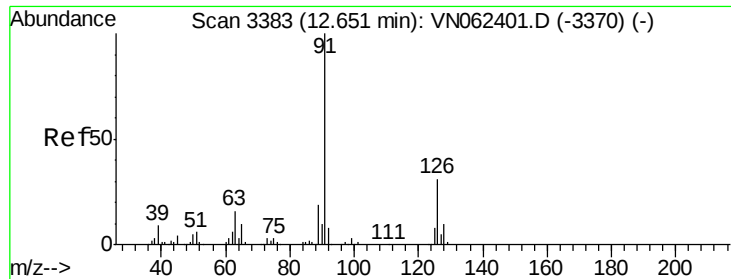
Tgt Ion	91	Resp	59559
Ion Ratio	100	Lower	Upper
91	100		
120	20.8	10.7	32.1



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.801 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 91 Resp: 37489

Ion Ratio Lower Upper

91 100

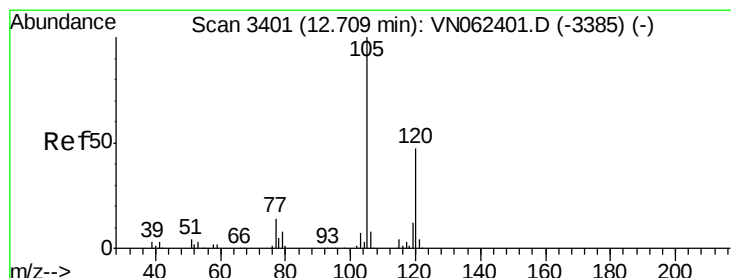
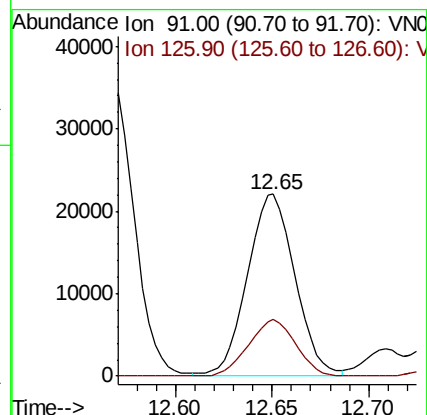
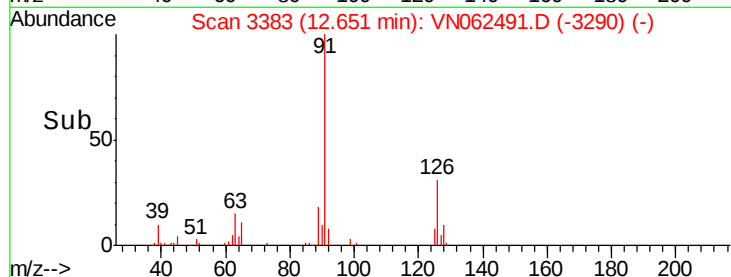
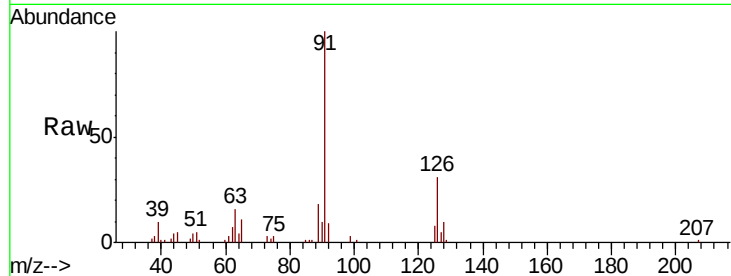
126 30.9 15.6 46.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.598 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062491.D

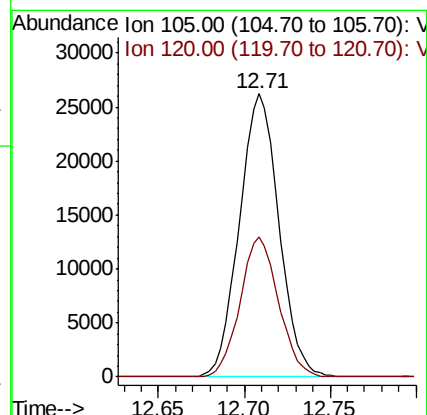
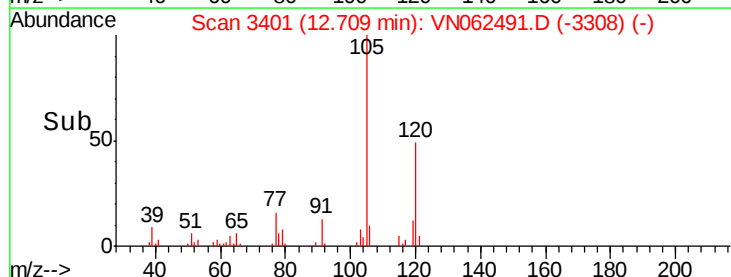
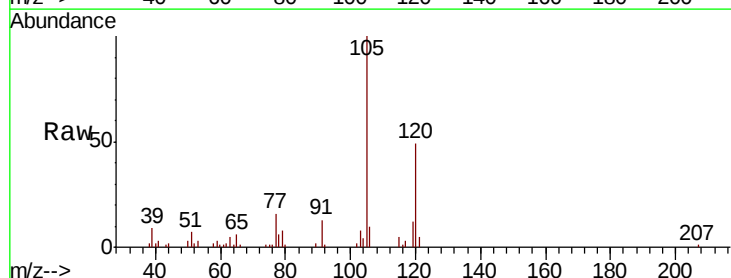
Acq: 10 Jul 2020 14:18

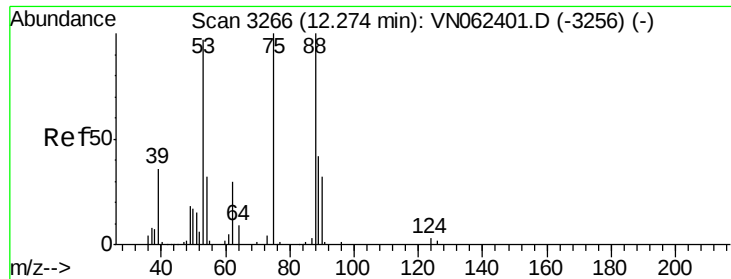
Tgt Ion: 105 Resp: 41832

Ion Ratio Lower Upper

105 100

120 47.8 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 5.098 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Instrument :

MSVOA_N

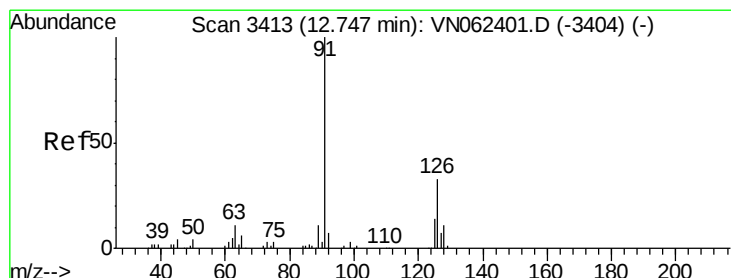
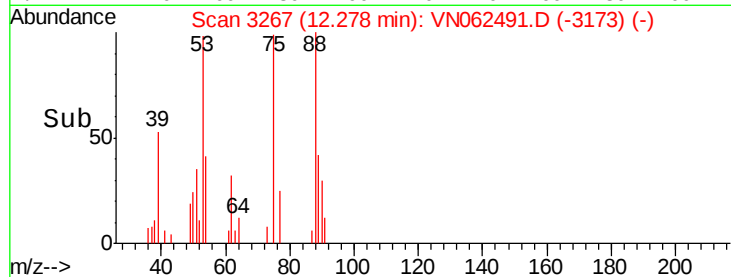
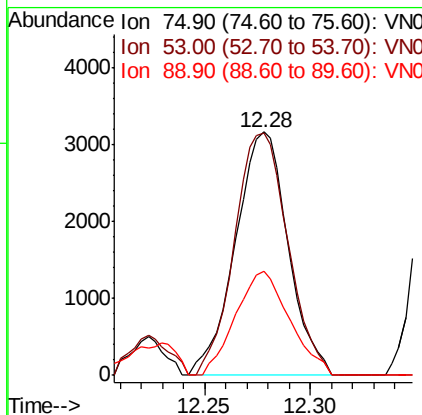
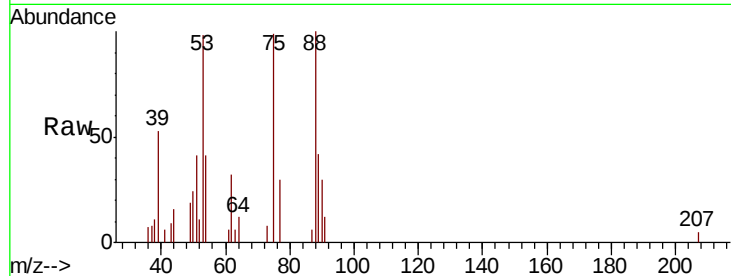
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:	75	Resp:	5505
Ion	Ratio	Lower	Upper
75	100		
53	100.6	79.2	118.8
89	43.9	34.6	52.0

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#82

4-Chlorotoluene

Concen: 5.525 ug/l

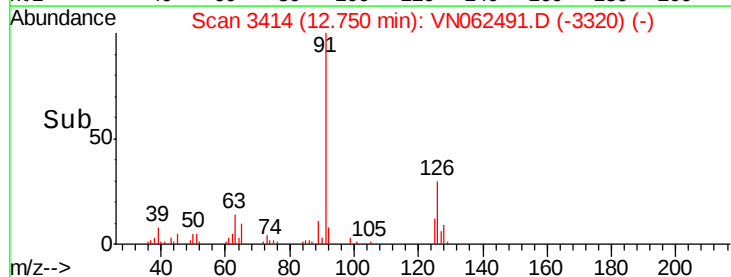
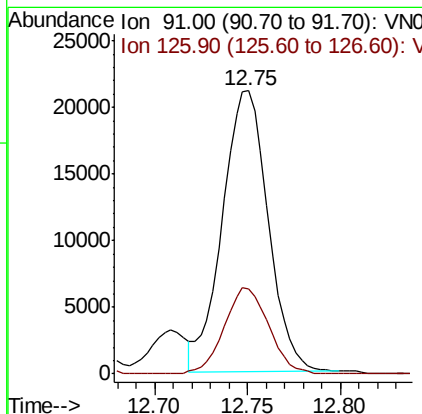
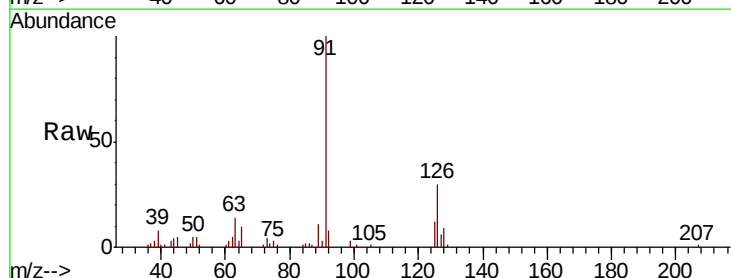
RT: 12.75 min Scan# 3414

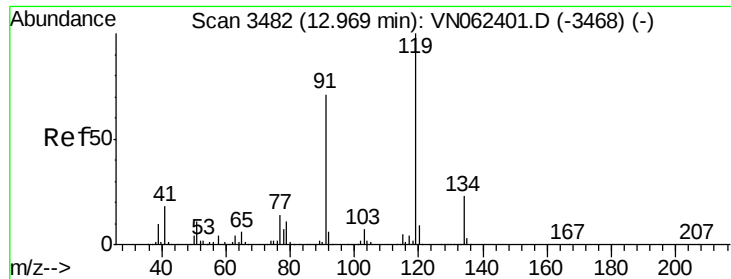
Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Tgt Ion:	91	Resp:	36249
Ion	Ratio	Lower	Upper
91	100		
126	29.7	15.2	45.6





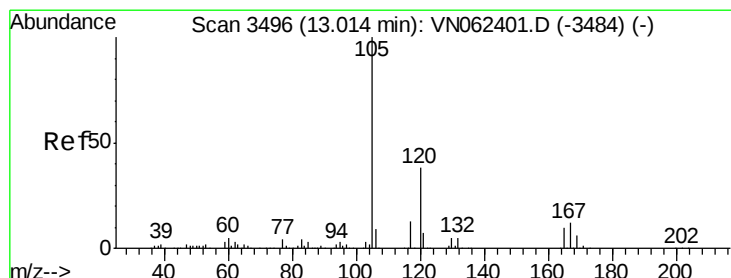
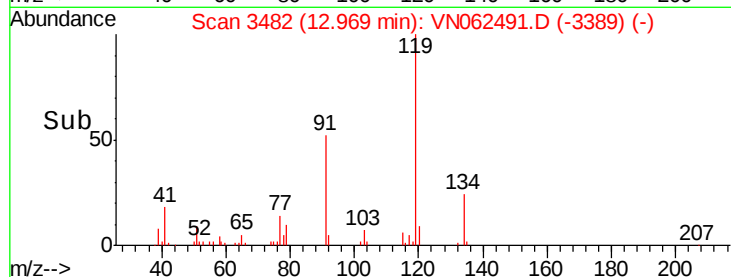
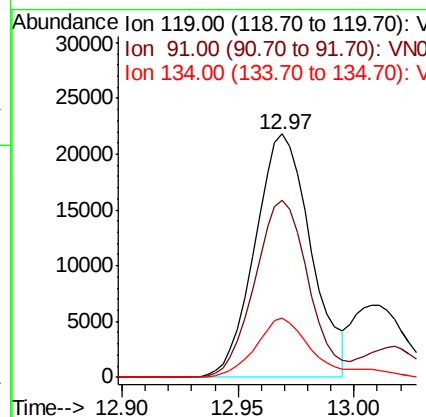
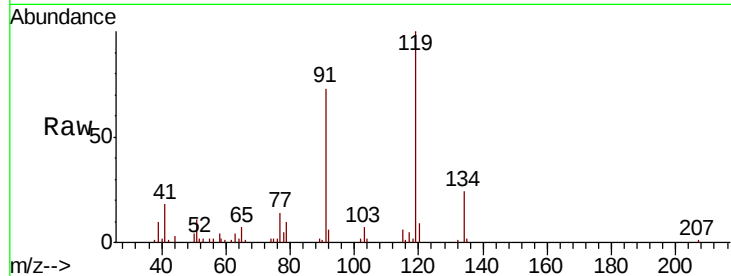
#83
tert-Butylbenzene
Concen: 5.781 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.1	34.8	104.3
134	23.3	11.7	35.0

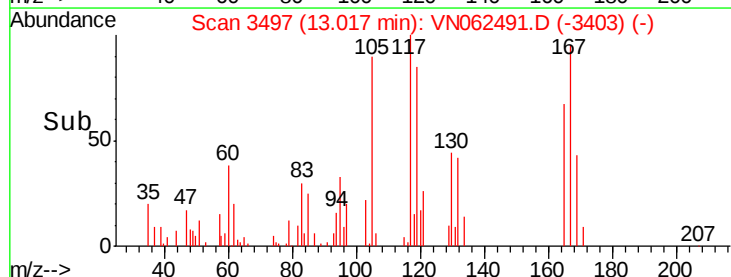
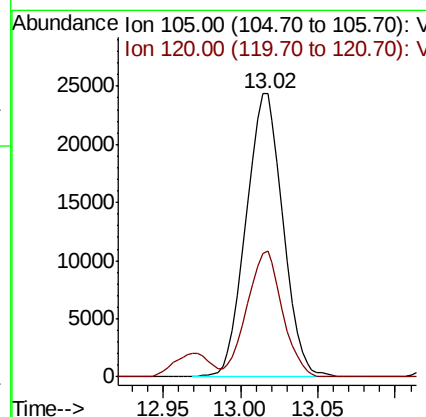
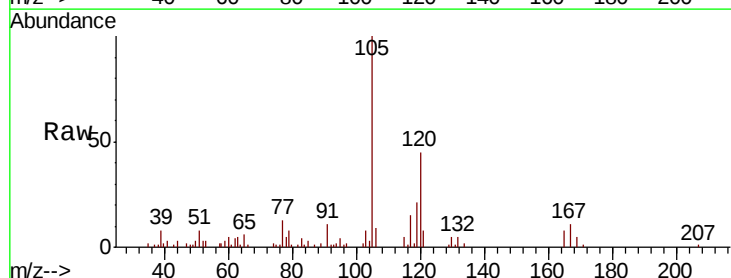
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 5.453 ug/l
RT: 13.02 min Scan# 3497
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.4	21.6	64.8





#85

sec-Butylbenzene

Concen: 5.570 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:105 Resp: 46804

Ion Ratio Lower Upper

105 100

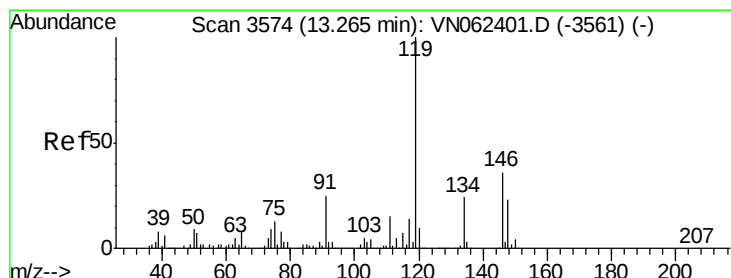
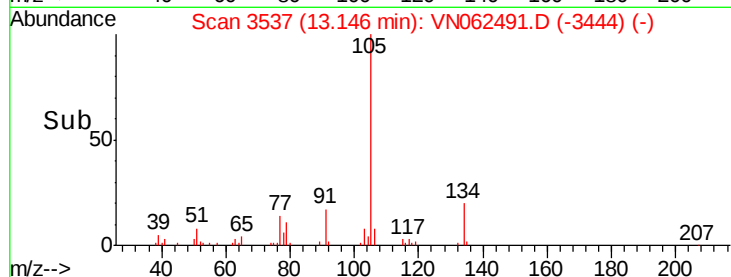
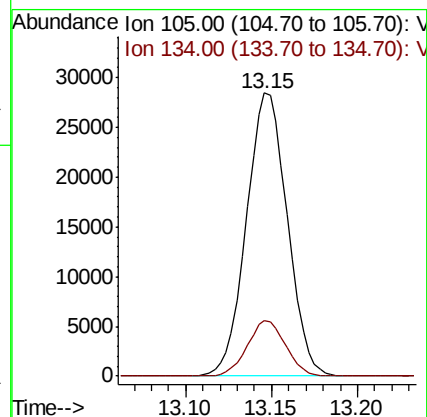
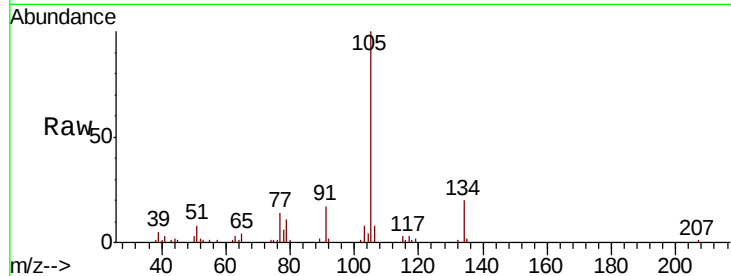
134 18.3 9.3 28.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 5.321 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062491.D

Acq: 10 Jul 2020 14:18

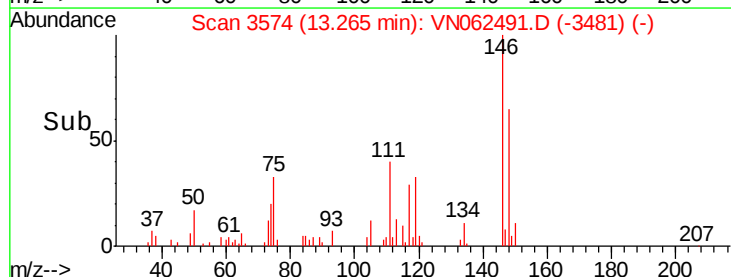
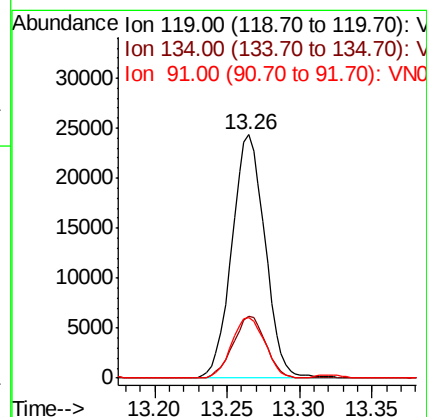
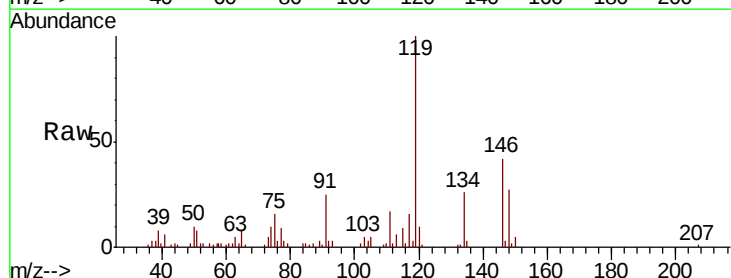
Tgt Ion:119 Resp: 38596

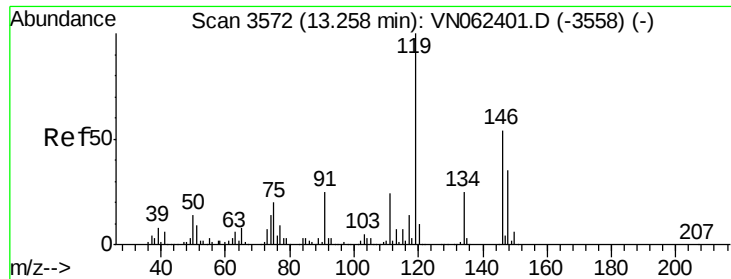
Ion Ratio Lower Upper

119 100

134 25.0 12.4 37.0

91 25.1 12.4 37.4





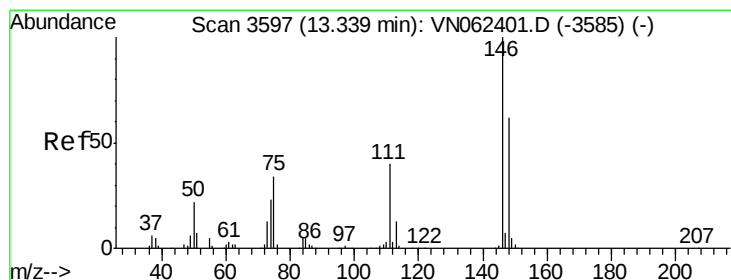
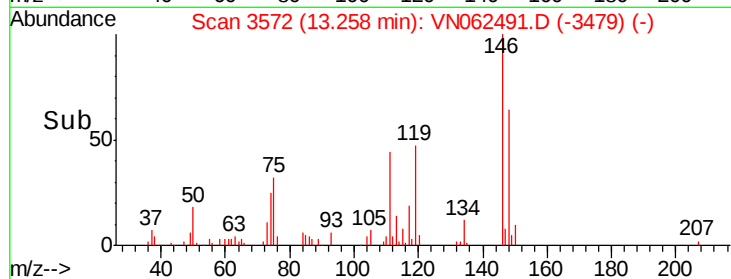
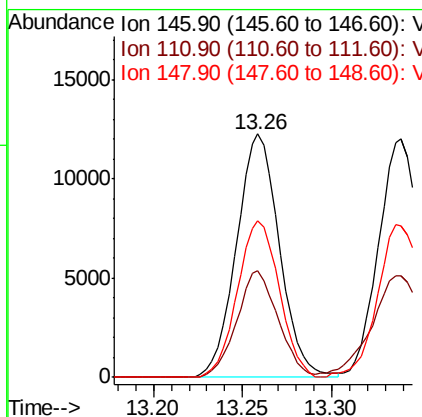
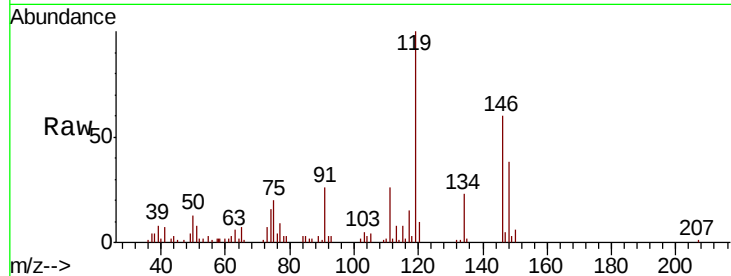
#87
 1,3-Dichlorobenzene
 Concen: 5.759 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062491.D
 Acq: 10 Jul 2020 14:18

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.6	64.6
148	62.5	32.2	96.6

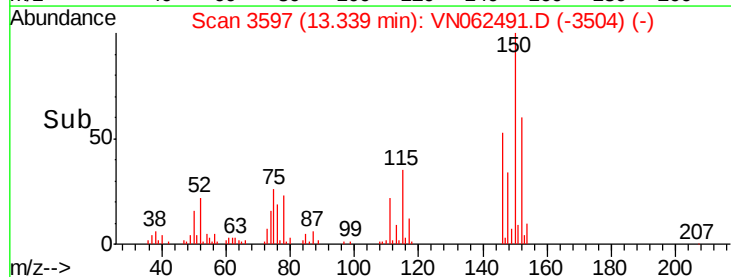
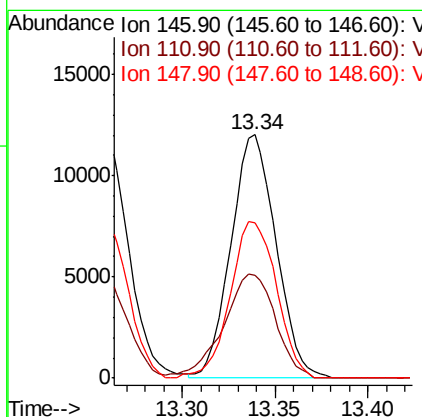
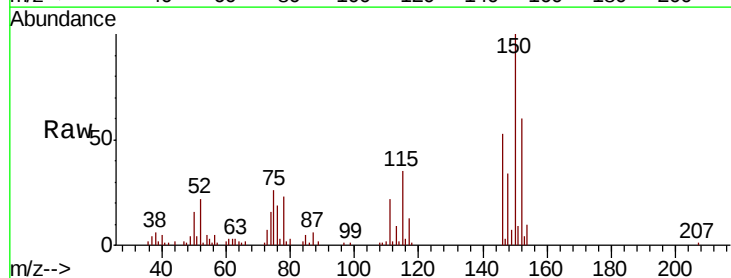
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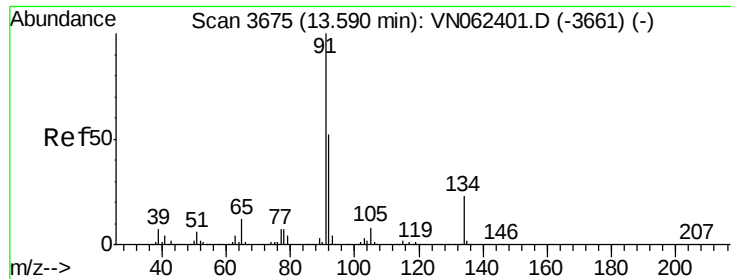
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#88
 1,4-Dichlorobenzene
 Concen: 5.526 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062491.D
 Acq: 10 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.2	21.1	63.1
148	65.8	31.4	94.2





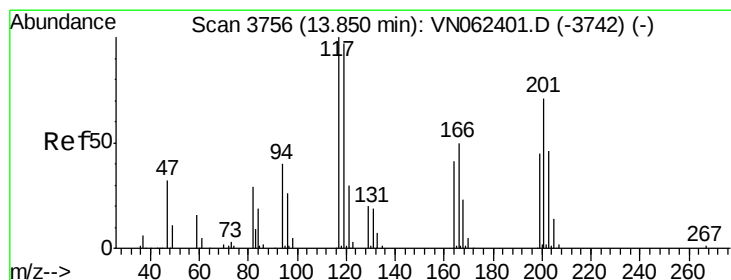
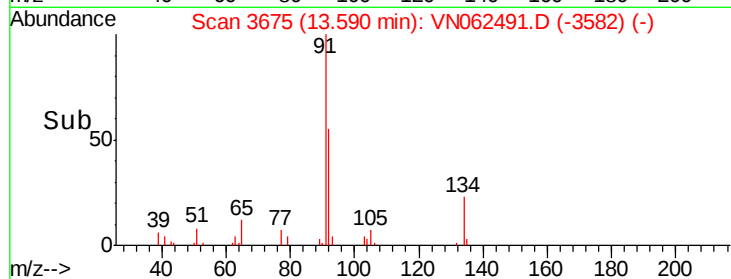
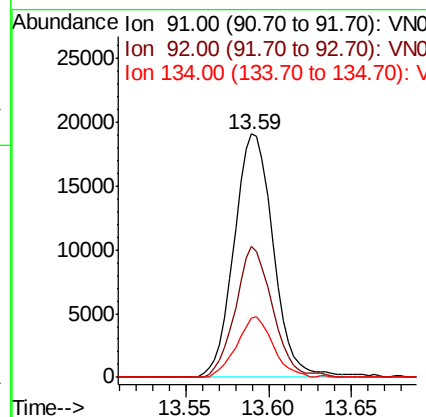
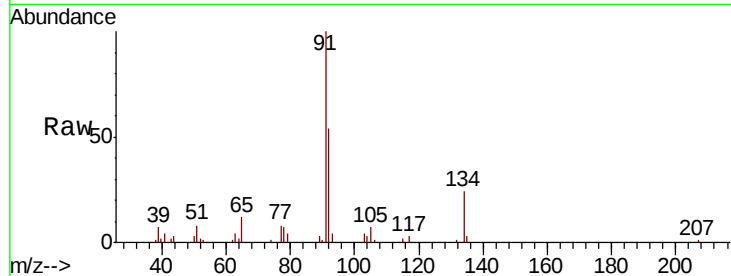
#89
n-Butylbenzene
Concen: 4.897 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.9	77.7
134	22.9	11.6	34.8

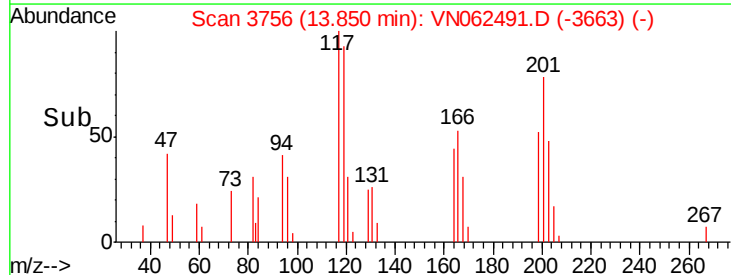
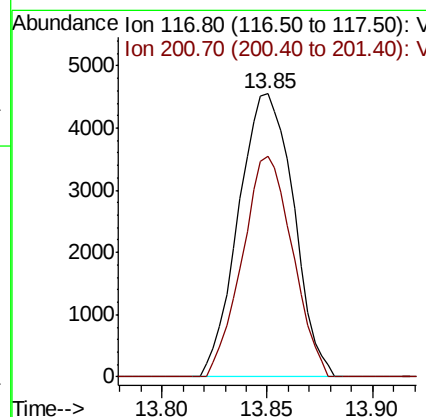
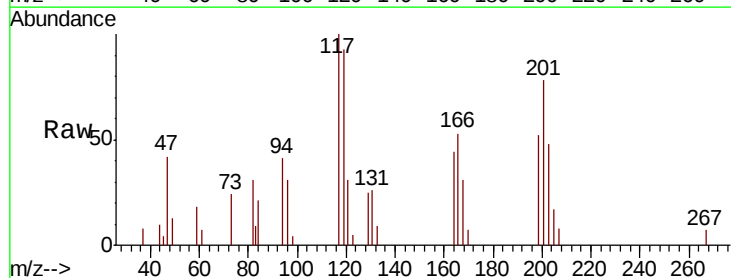
Manual Integrations
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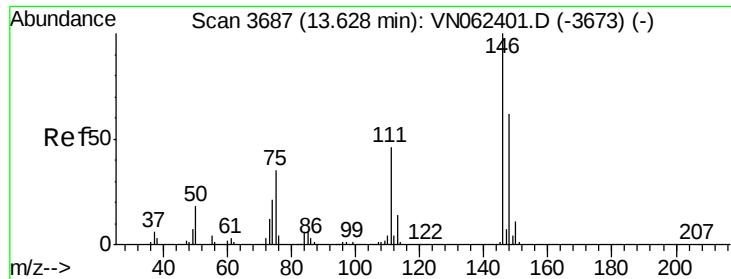
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#90
Hexachloroethane
Concen: 5.785 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.2	35.4	106.2





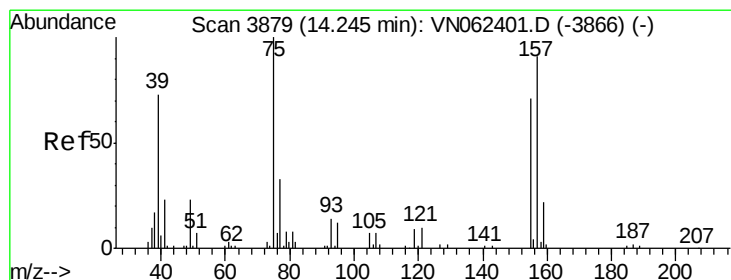
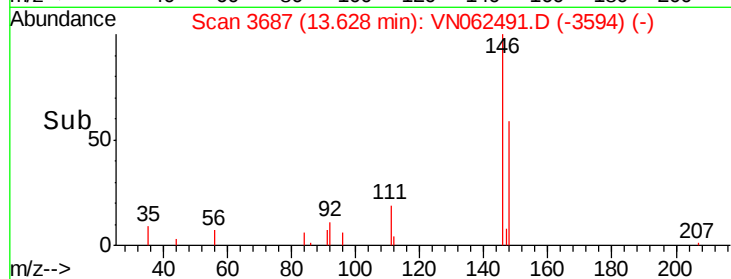
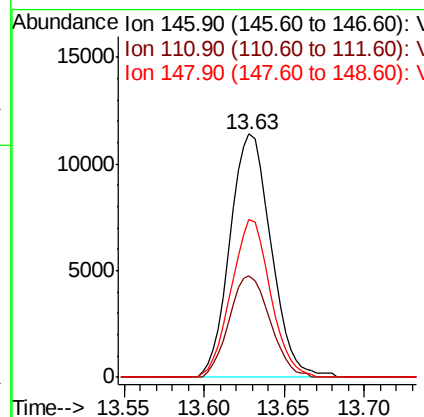
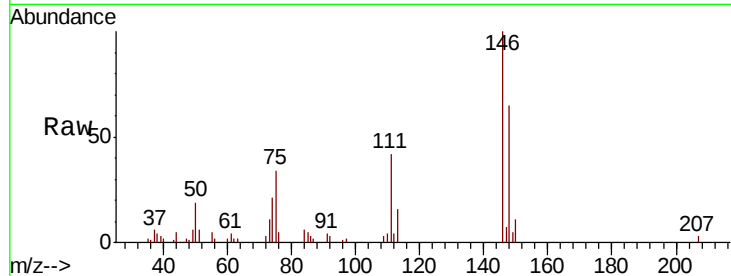
#91
 1,2-Dichlorobenzene
 Concen: 5.778 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062491.D
 Acq: 10 Jul 2020 14:18

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	22.5	67.5
148	61.8	31.4	94.2

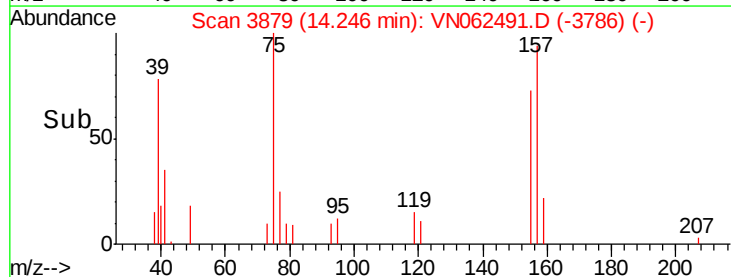
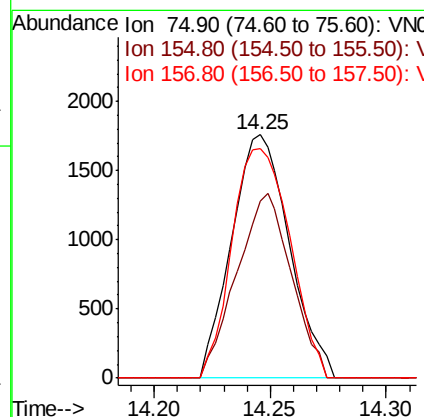
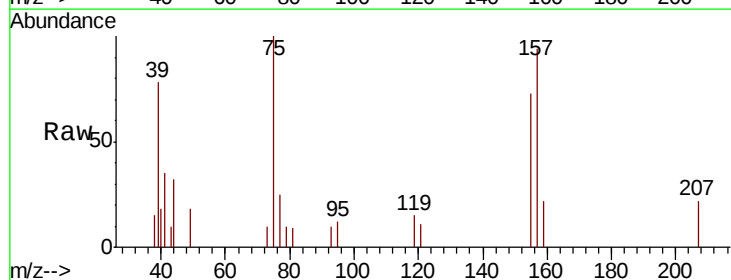
Manual Integrations
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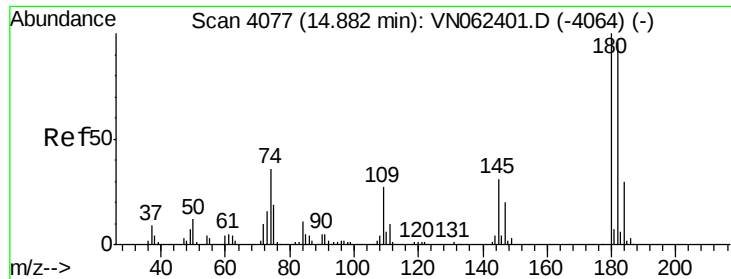
MMDadoda
 7/13/2020 11:19:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.435 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062491.D
 Acq: 10 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.0	35.2	105.6
157	95.1	45.8	137.3





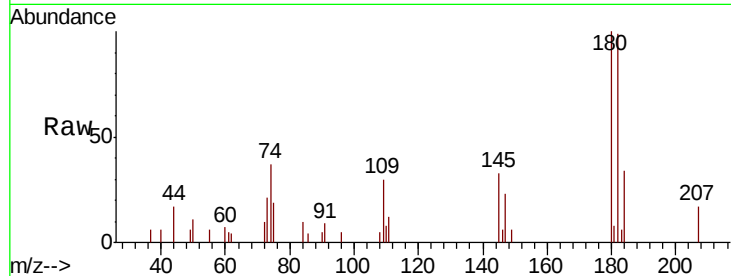
#93
1,2,4-Trichlorobenzene
Concen: 4.345 ug/l
RT: 14.89 min Scan# 4078
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.4	145.2
145	30.3	15.5	46.5

Manual Integrations
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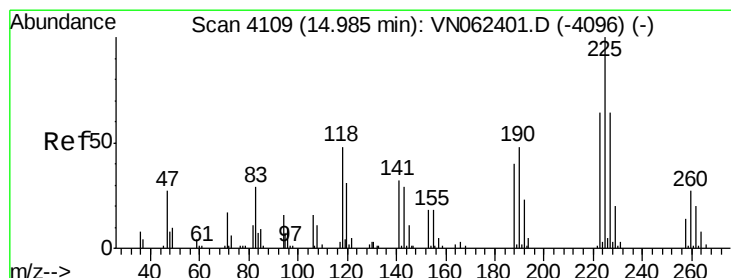
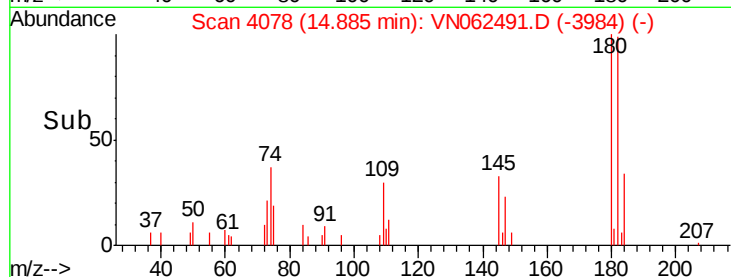
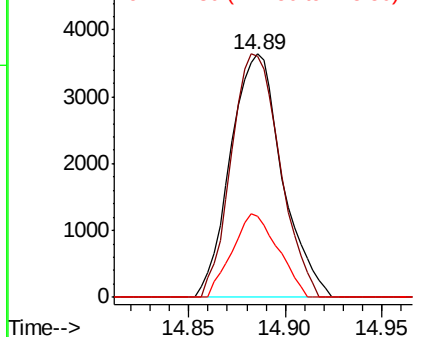


Abundance

Ion 179.80 (179.50 to 180.50): V

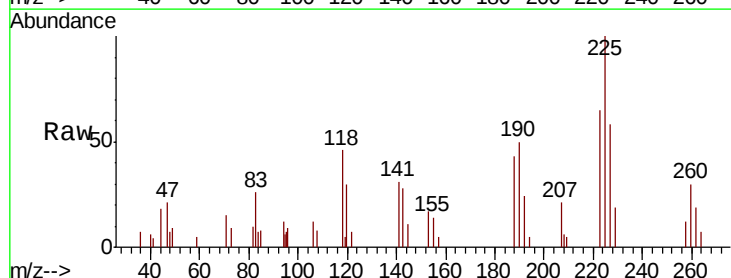
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 5.803 ug/l
RT: 14.99 min Scan# 4109
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.3	32.3	96.8
227	63.4	31.9	95.7

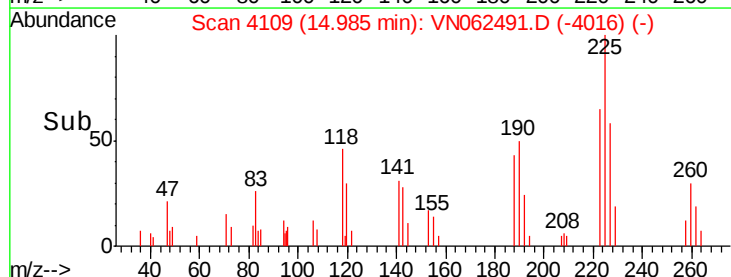
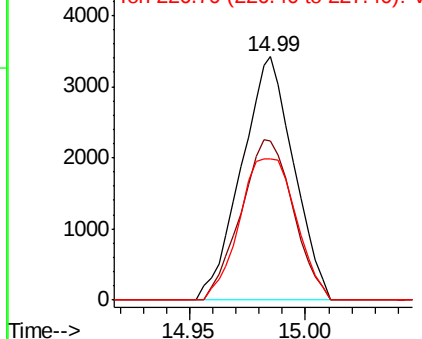


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





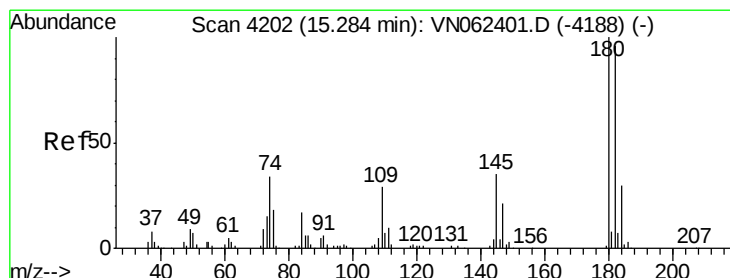
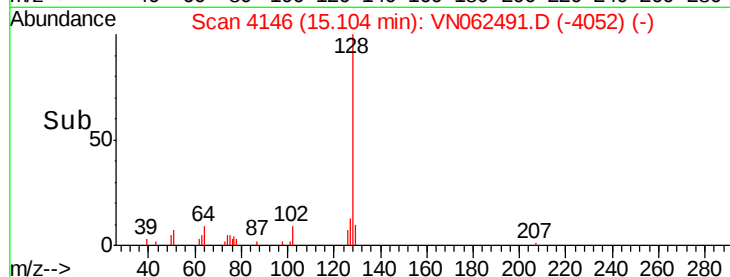
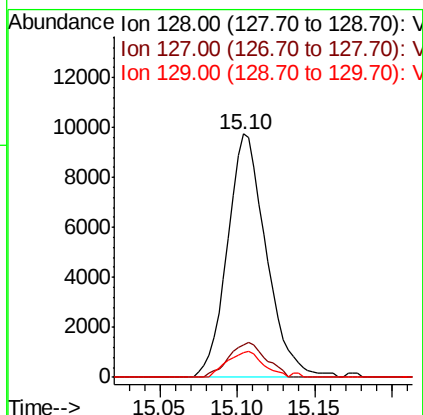
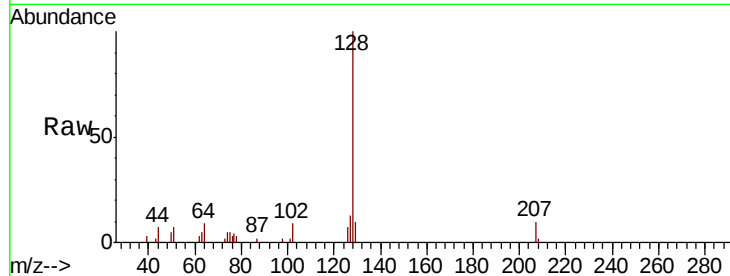
#95
Naphthalene
Concen: 3.855 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

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

Tot Ion:	128	Resp:	16941
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.2	15.2
129	9.9	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 4.316 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062491.D
Acq: 10 Jul 2020 14:18

Tgt Ion:	180	Resp:	6995
Ion Ratio	Lower	Upper	
180	100		
182	97.8	47.8	143.4
145	33.3	17.0	50.9

