

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071020\
 Data File : VN062486.D
 Acq On : 10 Jul 2020 12:18
 Operator : JC/MD
 Sample : L3216-09 .2PPB MDL
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2020DL

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 11:19:05 AM

Quant Time: Jul 13 01:17:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 00:55:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	242019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	415649	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	366228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	139082	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	192814	51.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.60%	
35) Dibromofluoromethane	7.54	113	135833	52.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.74%	
50) Toluene-d8	10.06	98	513669	50.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.37	95	171607	46.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	520	0.211	ug/l	97
3) Chloromethane	2.03	50	984	0.249	ug/l	92
4) Vinyl Chloride	2.16	62	714	0.220	ug/l	93
14) Allyl chloride	4.28	41	1303	0.223	ug/l #	66
15) Acrylonitrile	4.94	53	1047m	0.646	ug/l	
16) Acetone	3.79	43	3039	1.923	ug/l #	87
17) Carbon Disulfide	4.01	76	2595	0.333	ug/l #	75
18) Methyl Acetate	4.28	43	2017m	0.511	ug/l	
20) Methylene Chloride	4.50	84	1320	0.391	ug/l #	82
21) trans-1,2-Dichloroethene	4.97	96	685	0.255	ug/l #	26
23) Vinyl Acetate	5.85	43	8214	0.859	ug/l	98
25) 2-Butanone	6.80	43	2325m	1.007	ug/l	
26) 2,2-Dichloropropane	6.77	77	1090m	0.238	ug/l	
27) cis-1,2-Dichloroethene	6.79	96	702	0.225	ug/l	75
29) Tetrahydrofuran	7.18	42	1440	0.927	ug/l #	65
32) 1,1,1-Trichloroethane	7.53	97	904	0.202	ug/l #	23
40) Benzene	8.00	78	2748m	0.223	ug/l	
41) Methacrylonitrile	7.15	41	552m	0.270	ug/l	
42) 1,2-Dichloroethane	8.08	62	1134m	0.251	ug/l	
44) Trichloroethene	8.80	130	571	0.209	ug/l	92
45) 1,2-Dichloropropane	9.08	63	717	0.200	ug/l #	44
51) 4-Methyl-2-Pentanone	9.95	43	4282	0.927	ug/l	92
52) Toluene	10.13	92	1475	0.207	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	1152	0.216	ug/l #	87
58) 2-Chloroethyl Vinyl ether	9.67	63	1102	0.663	ug/l #	66
59) 2-Hexanone	10.73	43	3250	0.969	ug/l	81
65) Chlorobenzene	11.40	112	1503	0.211	ug/l	96
67) Ethyl Benzene	11.48	91	2743	0.205	ug/l	100
68) m/p-Xylenes	11.60	106	1724	0.365	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	871	0.241	ug/l #	79
77) Bromobenzene	12.50	156	528	0.216	ug/l	90
78) n-propylbenzene	12.56	91	2626	0.209	ug/l	86
79) 2-Chlorotoluene	12.65	91	1813	0.238	ug/l	93
82) 4-Chlorotoluene	12.75	91	1725	0.223	ug/l	92

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Quant Title : SW846 8260
QLast Update : Fri Jul 10 00:55:52 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	12.97	119	1672	0.223	ug/l	87
84) 1,2,4-Trimethylbenzene	13.01	105	1822	0.208	ug/l	89
88) 1,4-Dichlorobenzene	13.34	146	965m	0.222	ug/l	
95) Naphthalene	15.11	128	1491	0.287	ug/l #	70

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

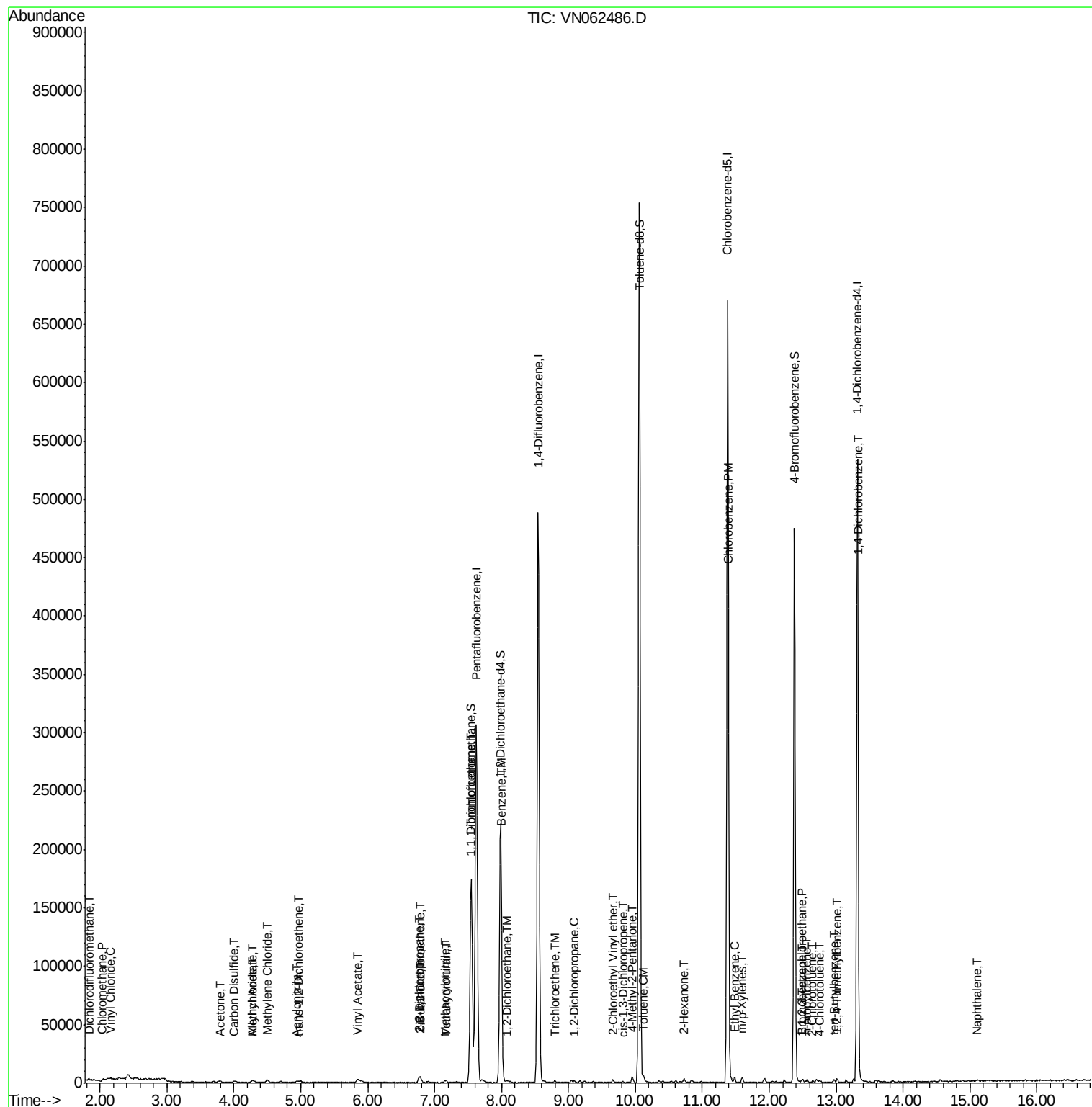
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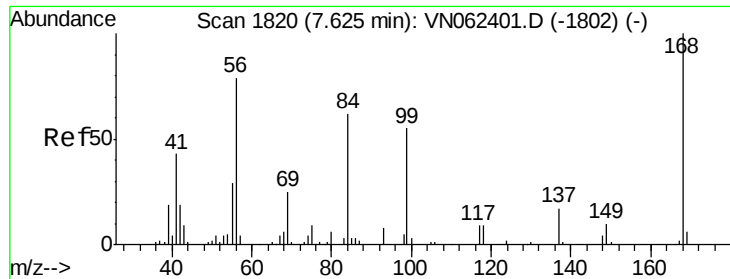
Instrument :
MSVOA_N
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MDL-WATER-03-QT3-2020DL

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062486.D

Acq: 10 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion:168 Resp: 242019

Ion Ratio Lower Upper

168 100

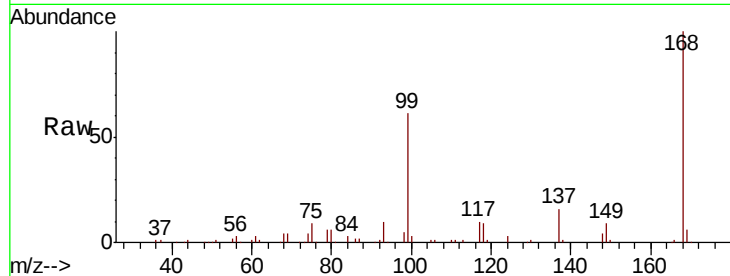
99 61.3 48.8 73.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

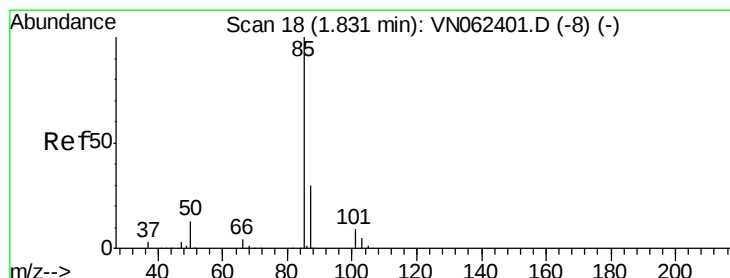
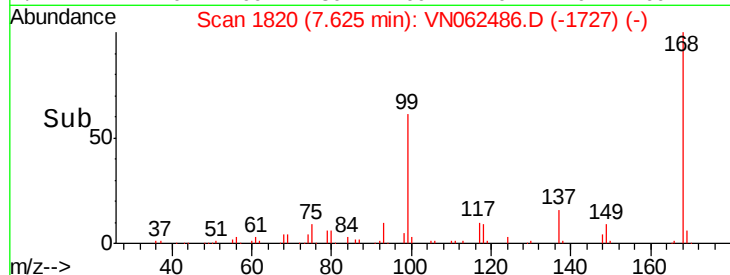
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 0.211 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN062486.D

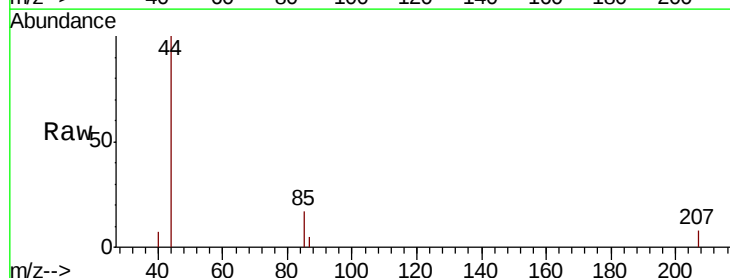
Acq: 10 Jul 2020 12:18

Tgt Ion: 85 Resp: 520

Ion Ratio Lower Upper

85 100

87 31.8 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

500

400

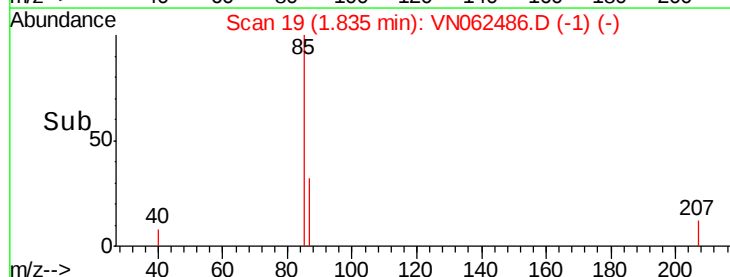
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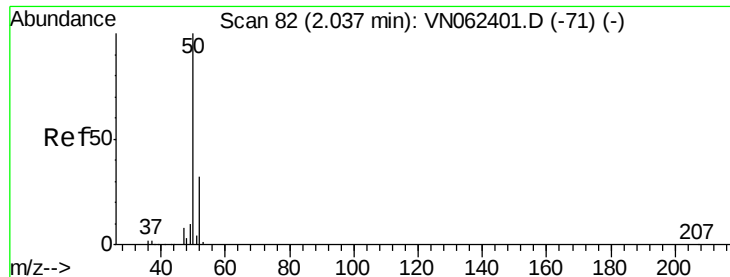
200

100

0

Time--> 1.80 1.82 1.84 1.86





#3

Chloromethane

Concen: 0.249 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062486.D

Acq: 10 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion: 50 Resp: 984

Ion Ratio Lower Upper

50 100

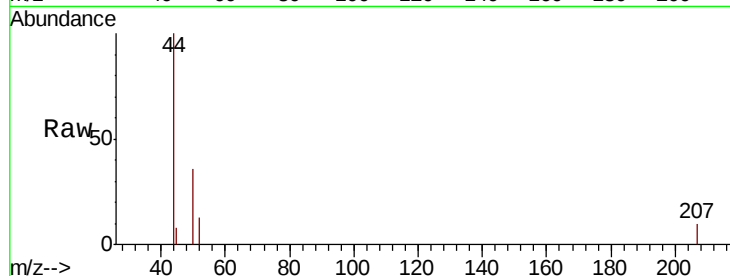
52 36.5 25.5 38.3

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

800

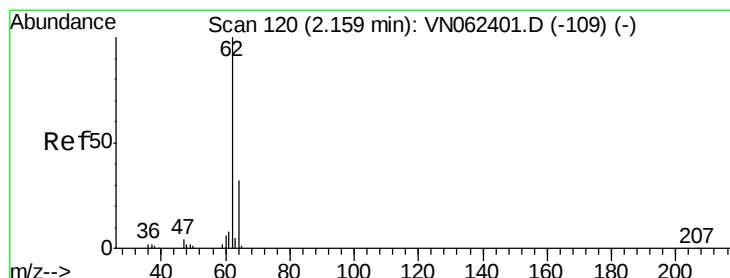
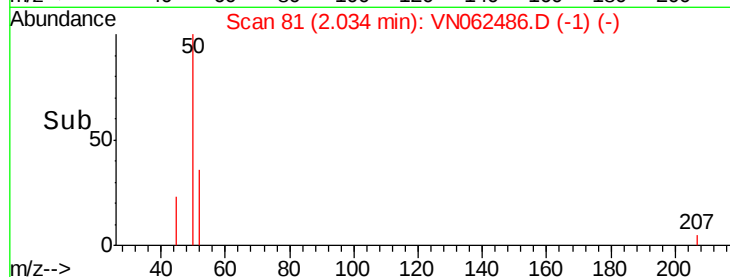
600

400

200

0

Time-->



#4

Vinyl Chloride

Concen: 0.220 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062486.D

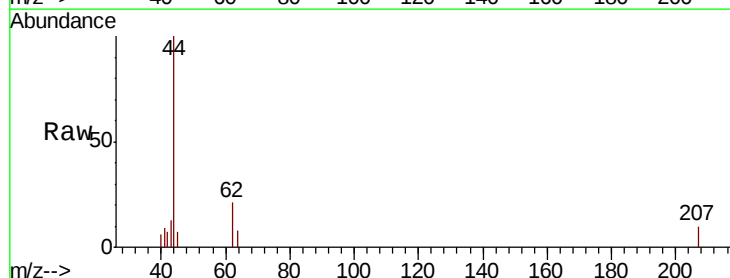
Acq: 10 Jul 2020 12:18

Tgt Ion: 62 Resp: 714

Ion Ratio Lower Upper

62 100

64 36.3 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

600

500

400

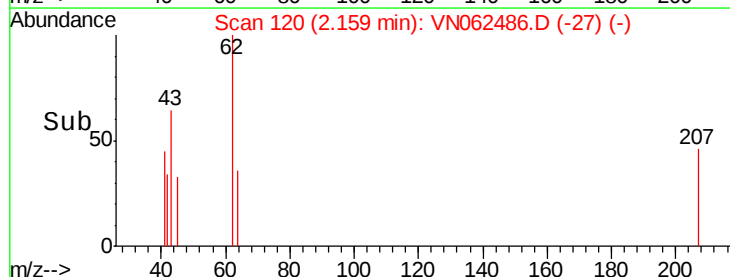
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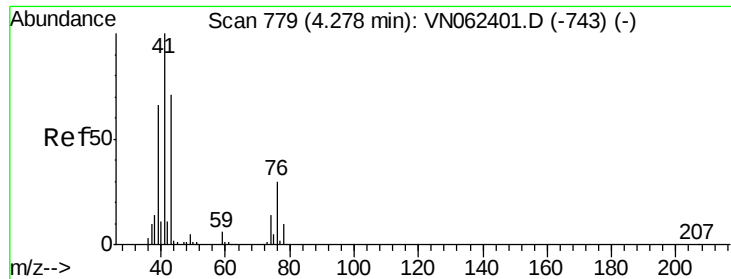
200

100

0

Time-->





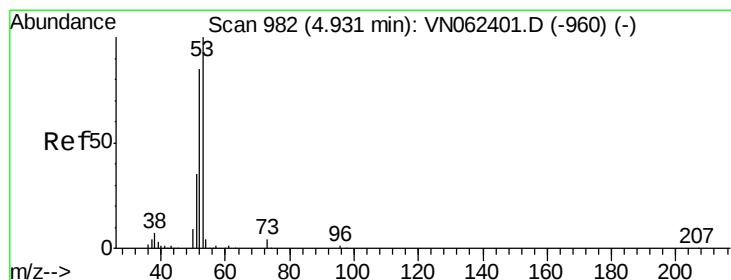
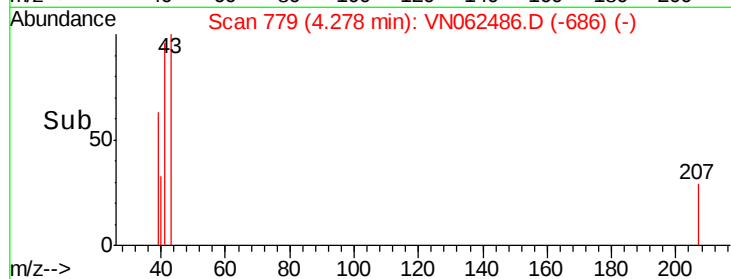
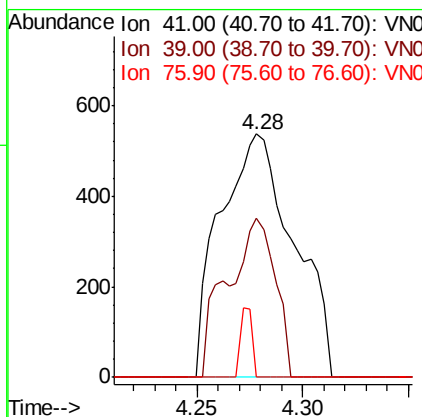
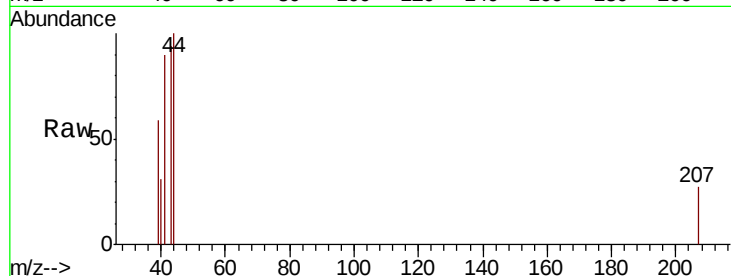
#14
Allvl chloride
Concen: 0.223 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062486.D
Acq: 10 Jul 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2020DL

Tot Ion	Ratio	Lower	Upper
41	100		
39	42.7	49.6	74.4#
76	0.0	22.2	33.4#

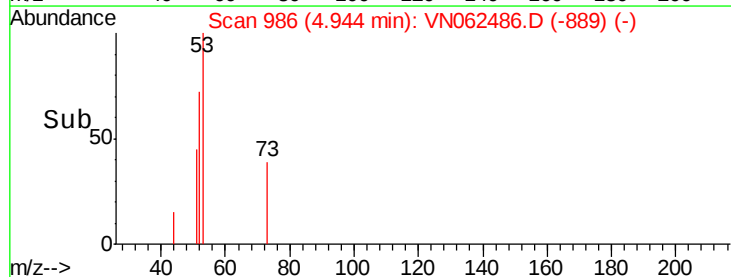
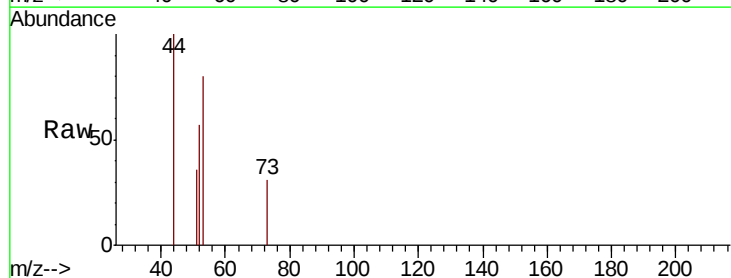
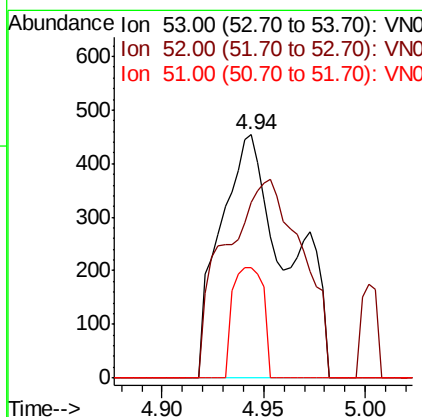
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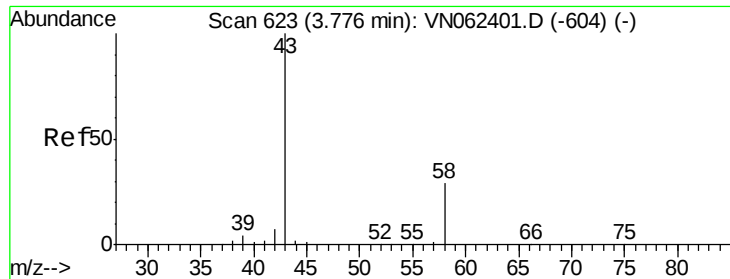
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#15
Acrylonitrile
Concen: 0.646 ug/l m
RT: 4.94 min Scan# 986
Delta R.T. 0.01 min
Lab File: VN062486.D
Acq: 10 Jul 2020 12:18

Tgt Ion	Ratio	Lower	Upper
53	100		
52	92.7	66.2	99.4
51	20.8	28.7	43.1#





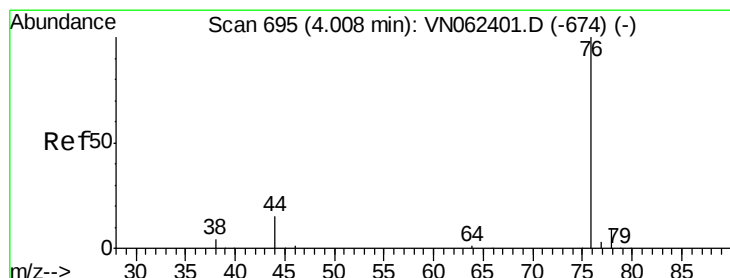
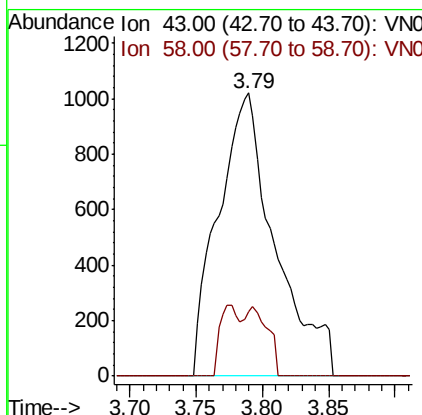
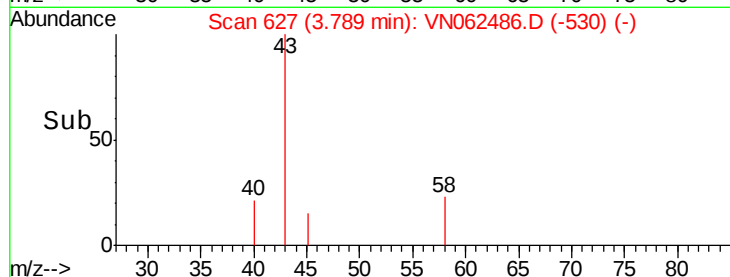
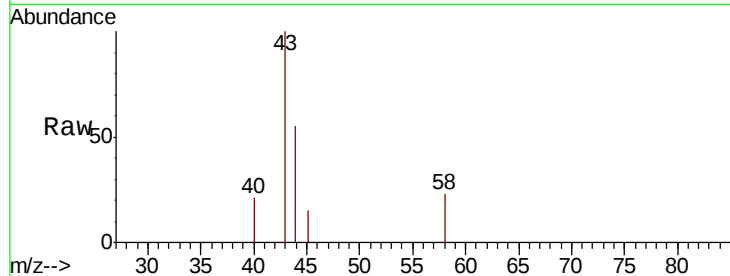
#16
Acetone
Concen: 1.923 ug/l
RT: 3.79 min Scan# 627
Delta R.T. 0.01 min
Lab File: VN062486.D
Acq: 10 Jul 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2020DL

Tot Ion: 43 Resp: 3039
Ion Ratio Lower Upper
43 100
58 22.5 23.5 35.3#

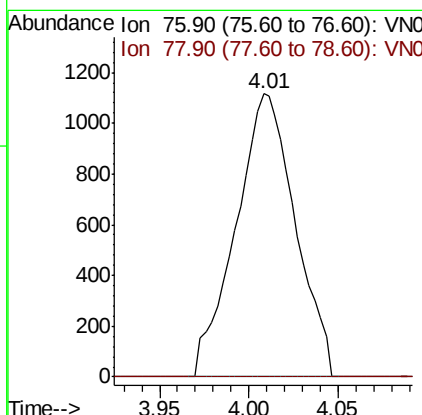
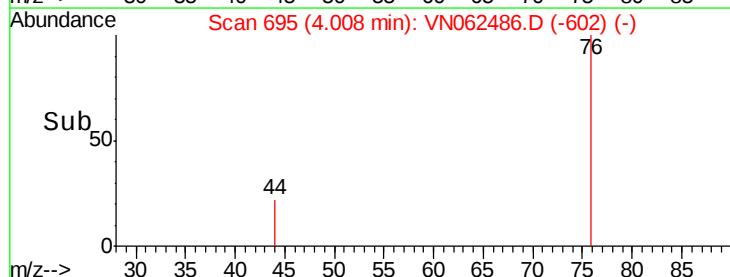
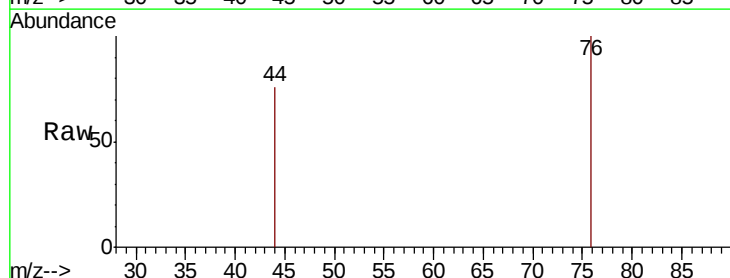
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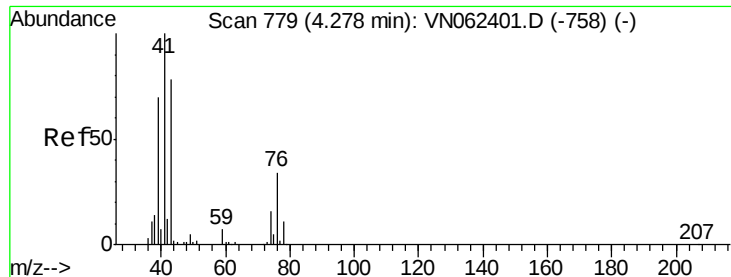
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#17
Carbon Disulfide
Concen: 0.333 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062486.D
Acq: 10 Jul 2020 12:18

Tgt Ion: 76 Resp: 2595
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#





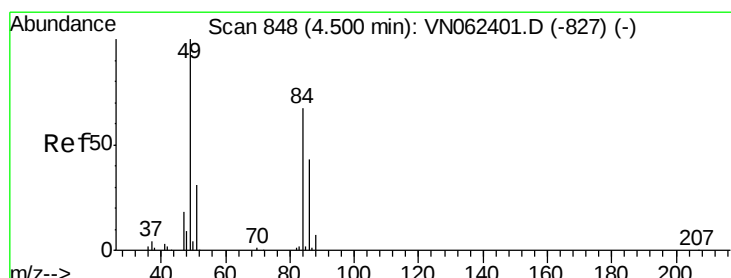
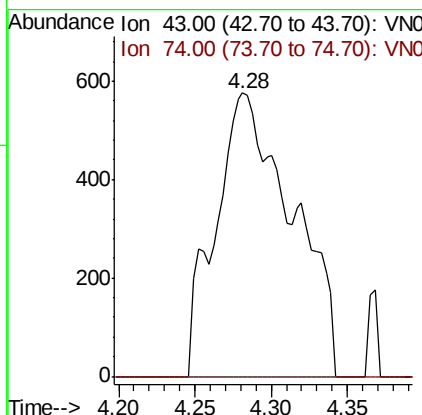
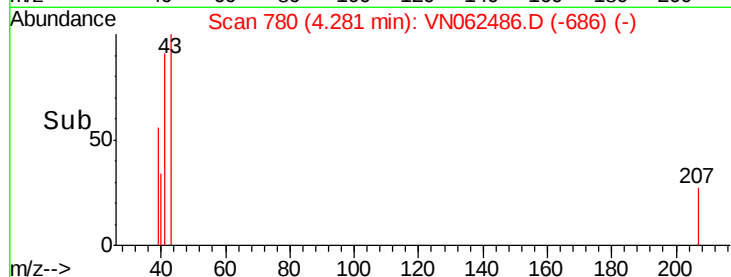
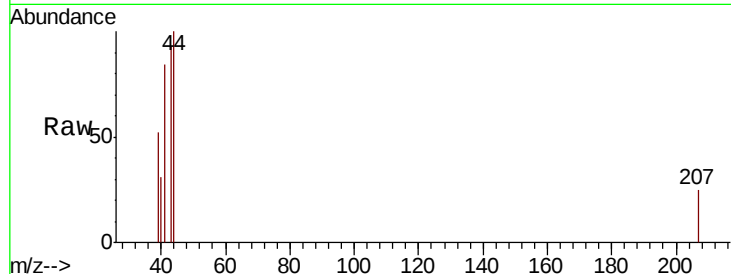
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Methyl Acetate
Concen: 0.511 ug/l m
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062486.D
Acq: 10 Jul 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2020DL

Tot Ion: 43 Resp: 2017
Ion Ratio Lower Upper
43 100
74 0.0 16.0 24.0#

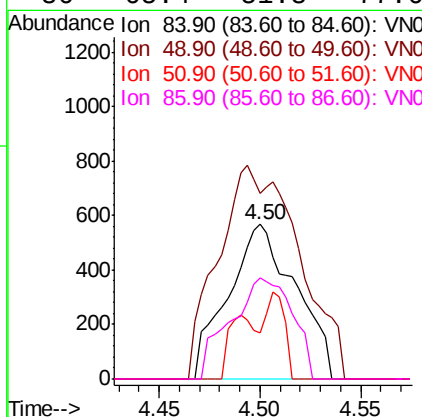
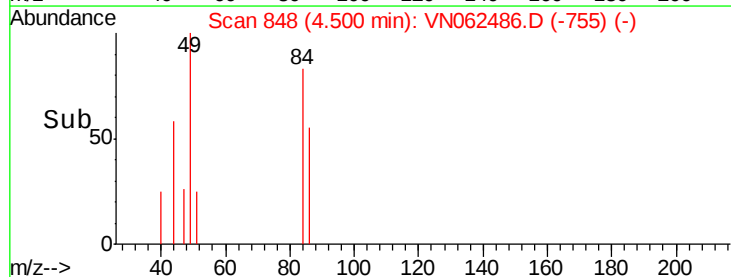
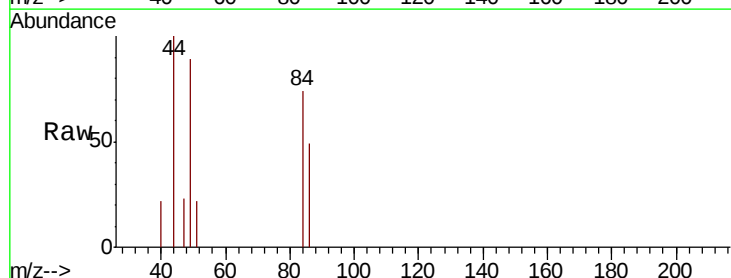
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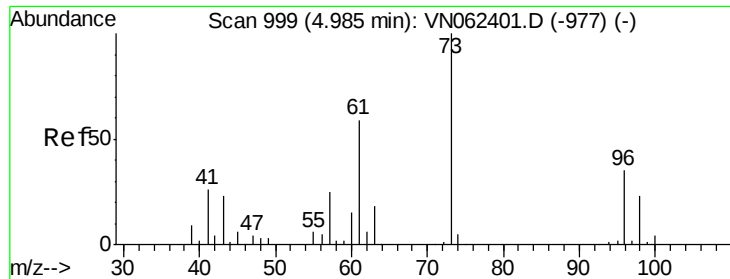
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#20
Methylene Chloride
Concen: 0.391 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062486.D
Acq: 10 Jul 2020 12:18

Tgt Ion: 84 Resp: 1320
Ion Ratio Lower Upper
84 100
49 119.9 120.0 180.0#
51 29.8 37.0 55.6#
86 65.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 0.255 ug/l

RT: 4.97 min Scan# 995

Delta R.T. -0.01 min

Lab File: VN062486.D

Acq: 10 Jul 2020 12:18

Instrument :

MSVOA_N

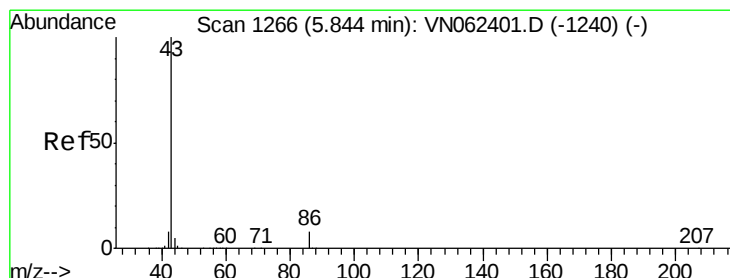
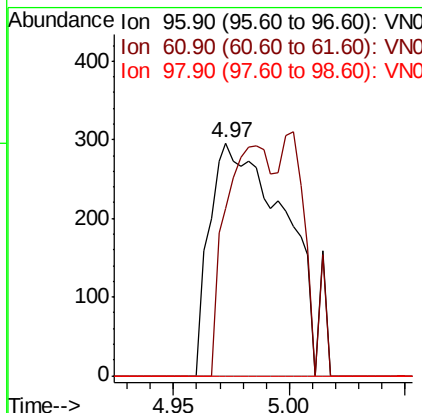
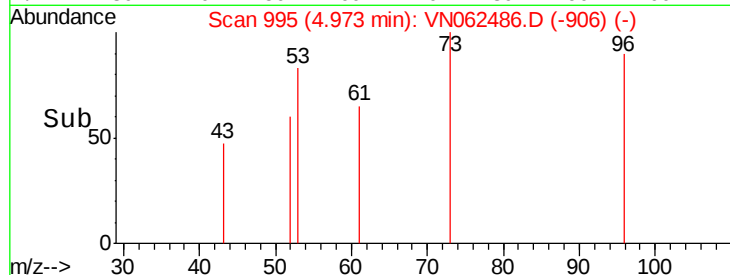
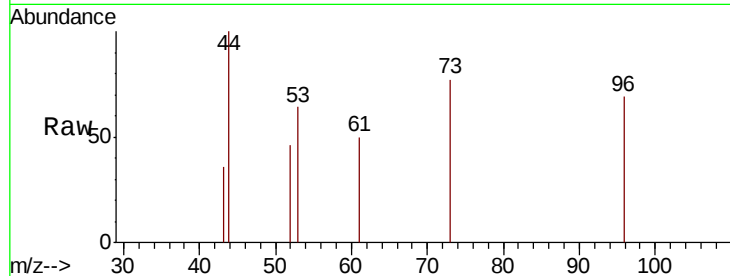
ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion:	96	Resp:	685
Ion	Ratio	Lower	Upper
96	100		
61	72.0	133.5	200.3#
98	0.0	51.9	77.9#

Manual Integrations
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#23

Vinyl Acetate

Concen: 0.859 ug/l

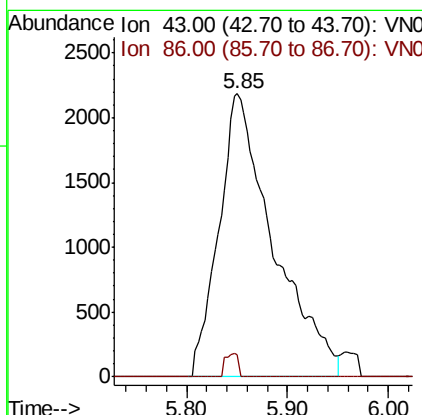
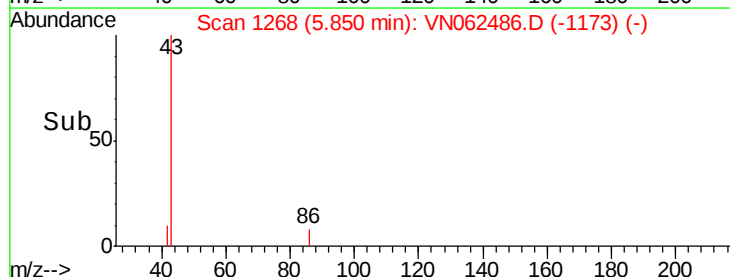
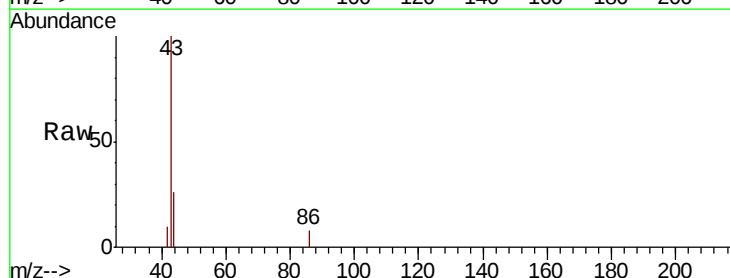
RT: 5.85 min Scan# 1268

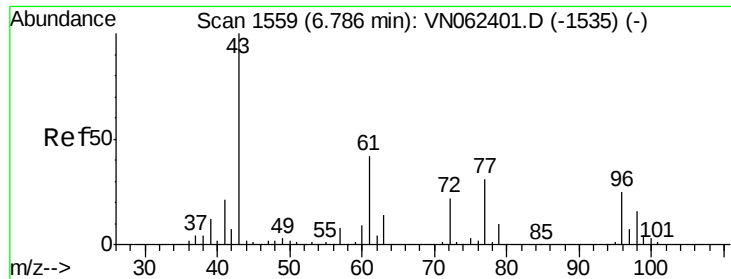
Delta R.T. 0.01 min

Lab File: VN062486.D

Acq: 10 Jul 2020 12:18

Tgt Ion:	43	Resp:	8214
Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.7	10.1





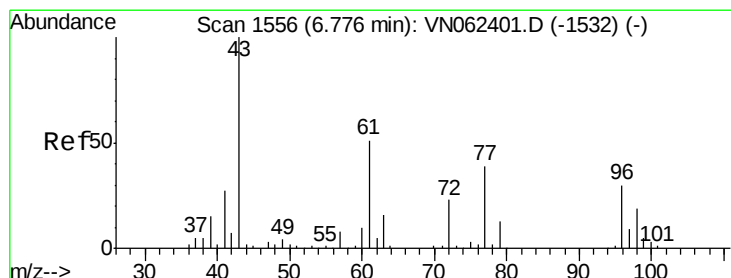
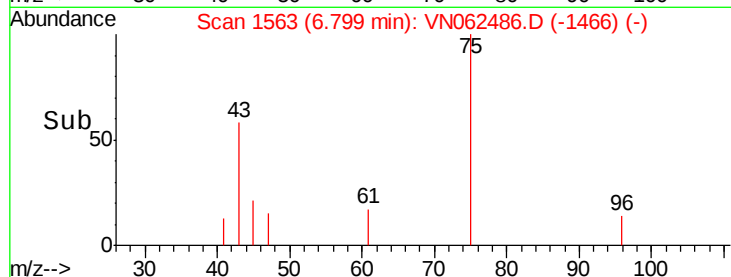
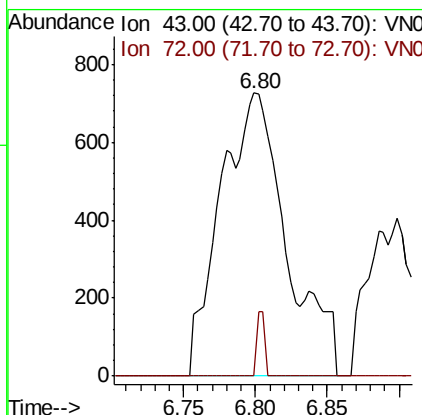
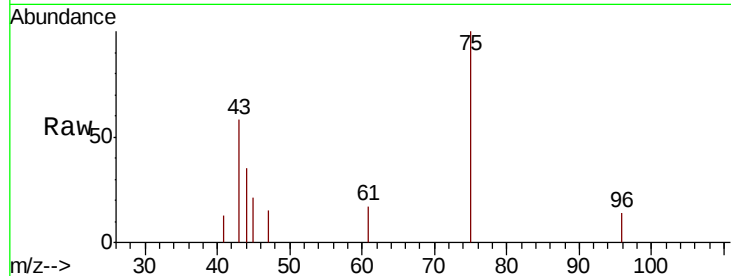
#25
2-Butanone
Concen: 1.007 ug/l m
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN062486.D
Acq: 10 Jul 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2020DL

Tot Ion: 43 Resp: 2325
Ion Ratio Lower Upper
43 100
72 0.0 17.9 26.9#

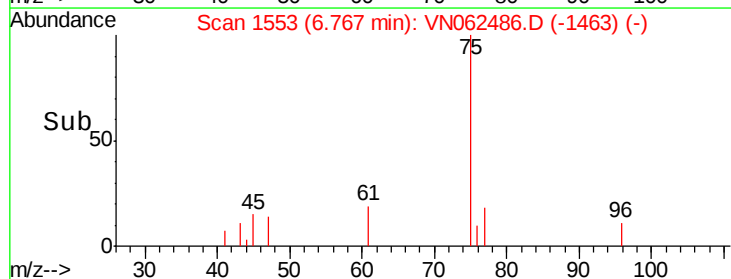
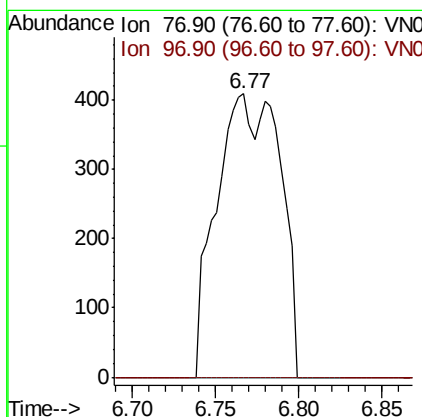
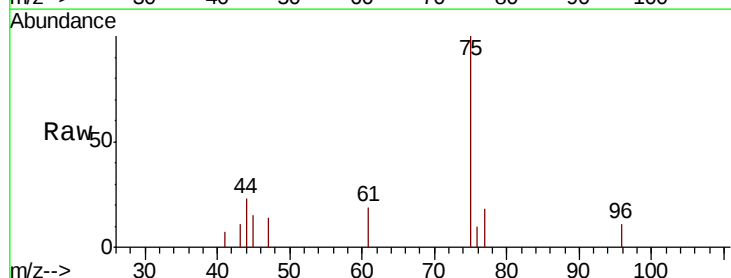
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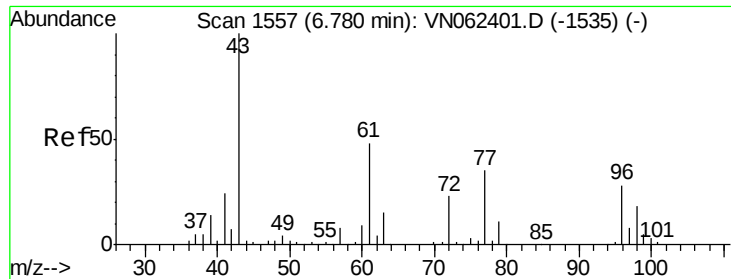
MMDadoda
7/13/2020 11:19:05 AM



#26
2,2-Dichloropropane
Concen: 0.238 ug/l m
RT: 6.77 min Scan# 1553
Delta R.T. -0.01 min
Lab File: VN062486.D
Acq: 10 Jul 2020 12:18

Tgt Ion: 77 Resp: 1090
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#27

cis-1,2-Dichloroethene

Concen: 0.225 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VN062486.D

Acq: 10 Jul 2020 12:18

Instrument :

MSVOA_N

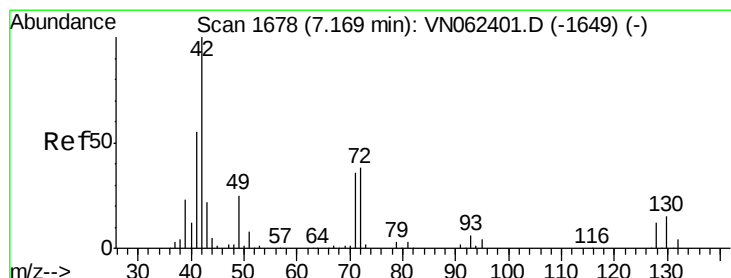
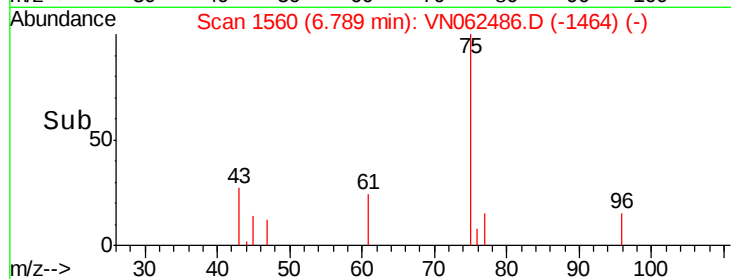
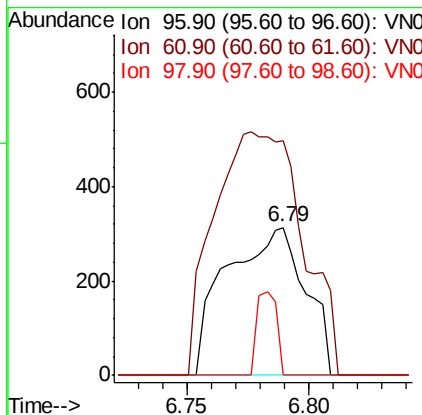
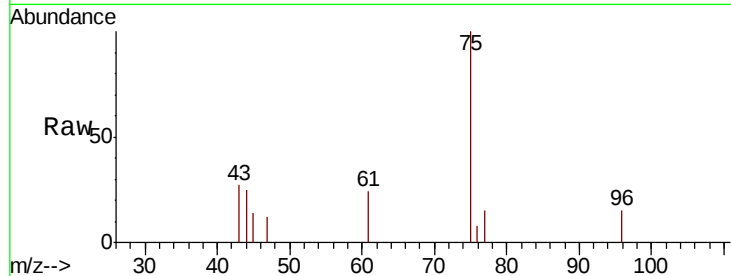
ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion:	96	Resp:	702
Ion	Ratio	Lower	Upper
96	100		
61	185.2	0.0	343.4
98	13.7	0.0	128.4

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#29

Tetrahydrofuran

Concen: 0.927 ug/l

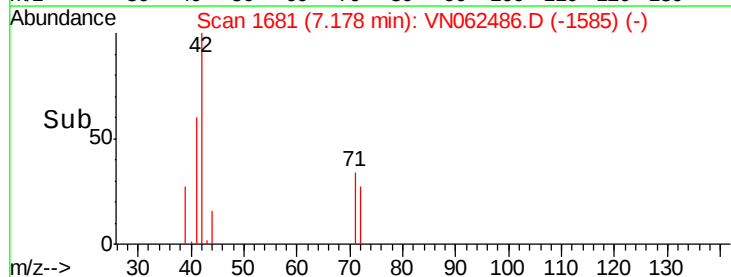
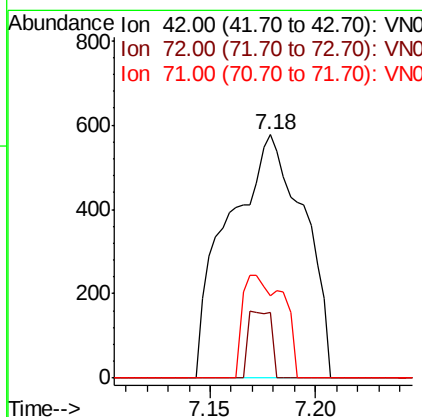
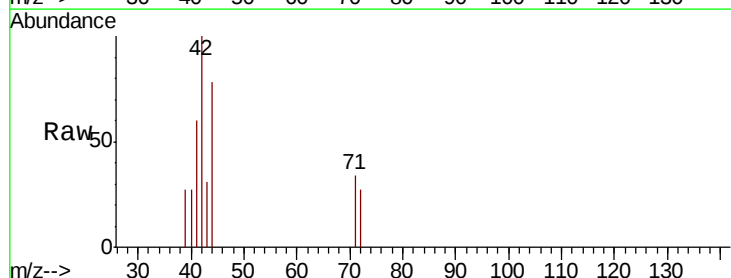
RT: 7.18 min Scan# 1681

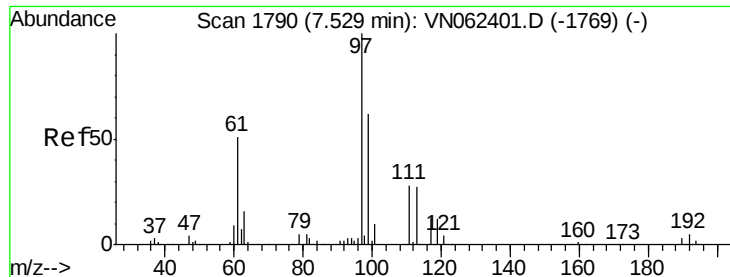
Delta R.T. 0.01 min

Lab File: VN062486.D

Acq: 10 Jul 2020 12:18

Tgt Ion:	42	Resp:	1440
Ion	Ratio	Lower	Upper
42	100		
72	8.4	29.1	43.7#
71	22.4	28.1	42.1#





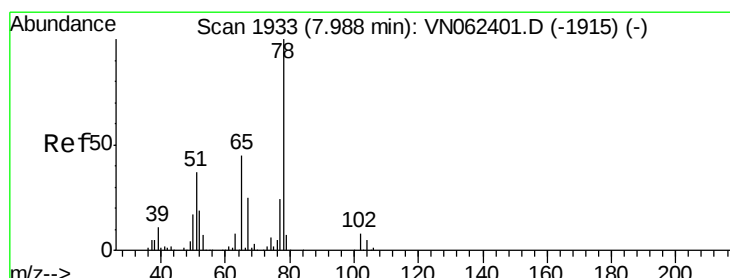
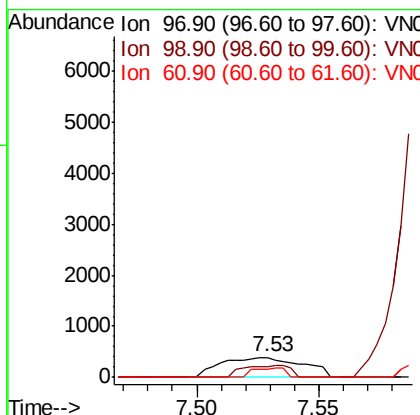
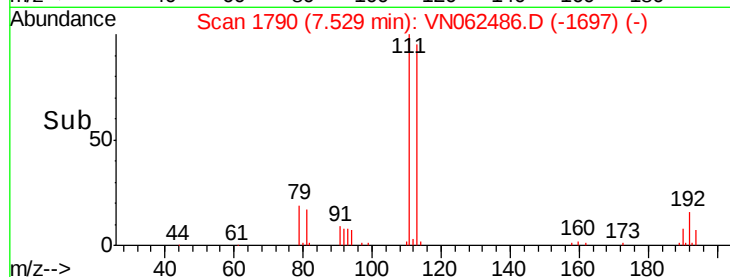
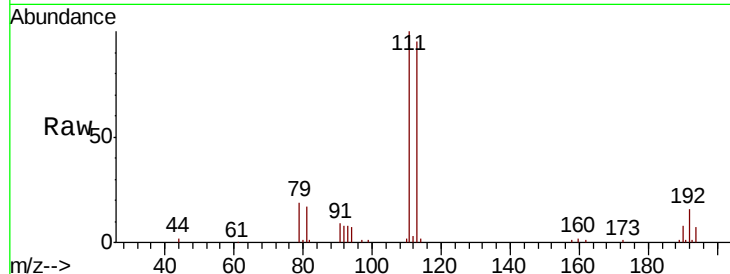
#32
 1,1,1-Trichloroethane
 Concen: 0.202 ug/l
 RT: 7.53 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VN062486.D
 Acq: 10 Jul 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2020DL

Tot Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.4	75.6#
61	0.0	39.9	59.9#

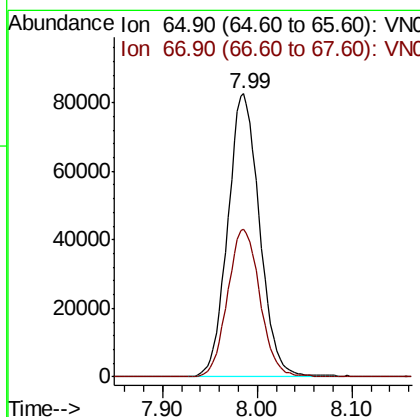
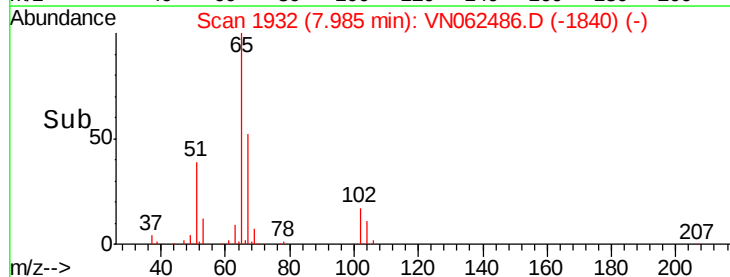
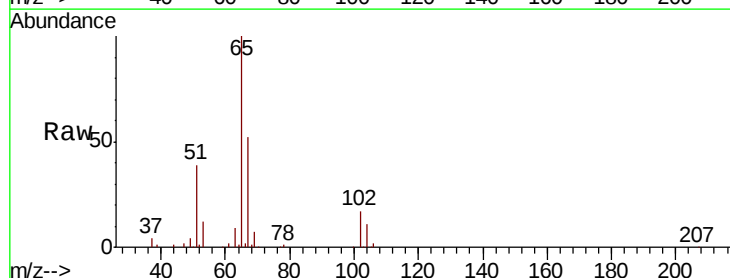
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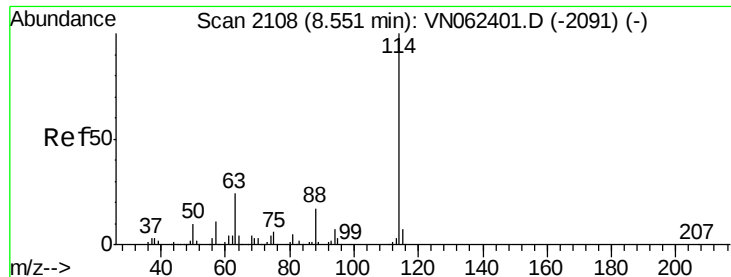
MMDadoda
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#33
 1,2-Dichloroethane-d4
 Concen: 51.796 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062486.D
 Acq: 10 Jul 2020 12:18

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	107.6





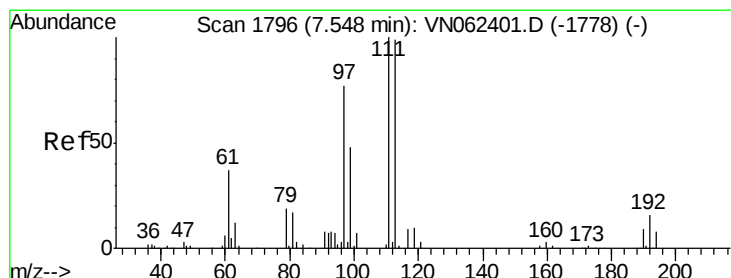
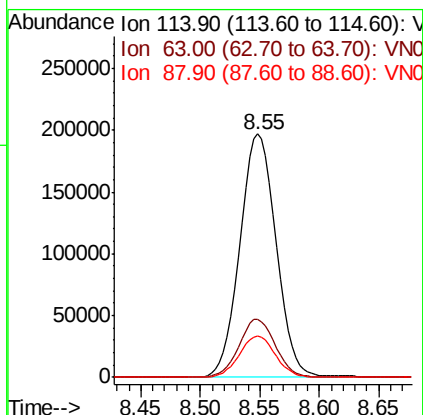
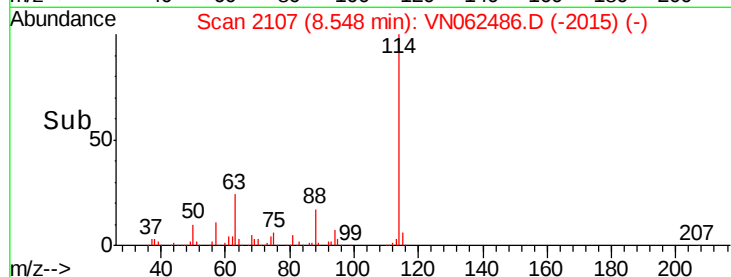
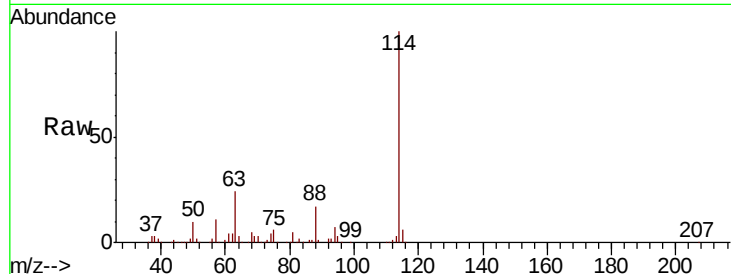
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2107
Delta R.T. -0.00 min
Lab File: VN062486.D
Acq: 10 Jul 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
114	100	415649		
63	23.9		0.0	48.4
88	17.0		0.0	33.8

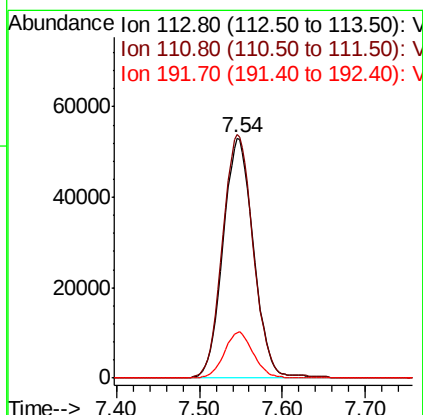
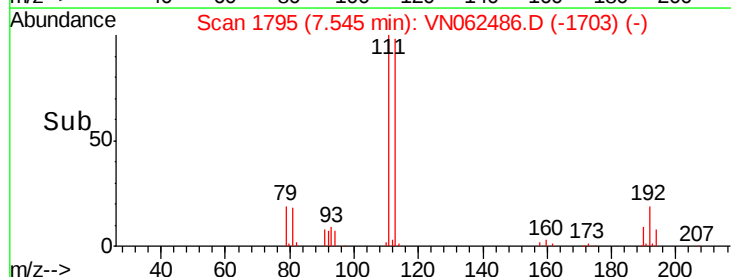
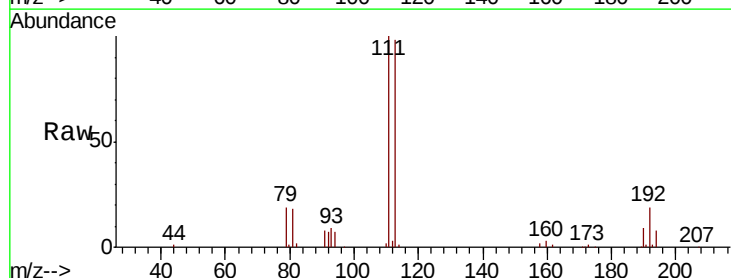
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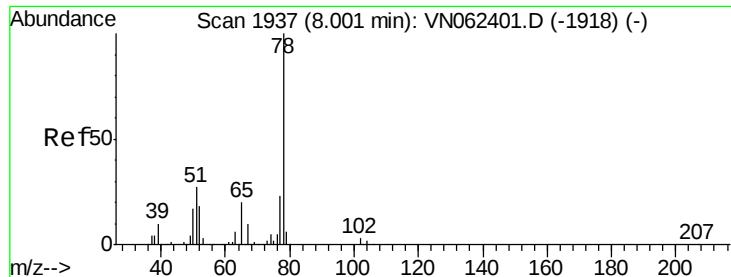
MMDadoda
7/13/2020 11:19:05 AM



#35
Dibromofluoromethane
Concen: 52.868 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN062486.D
Acq: 10 Jul 2020 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	135833		
111	102.5		83.1	124.7
192	18.3		14.1	21.1





#40

Benzene

Concen: 0.223 ug/l m

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN062486.D

Acq: 10 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion: 78 Resp: 2748

Ion Ratio Lower Upper

78 100

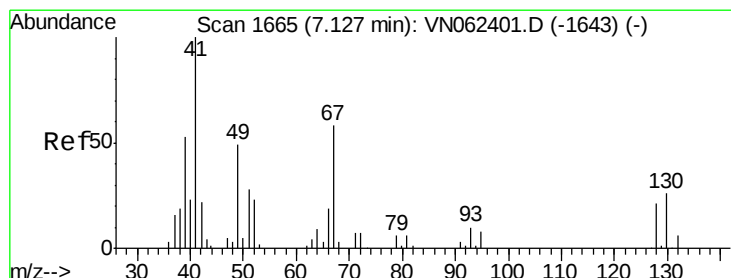
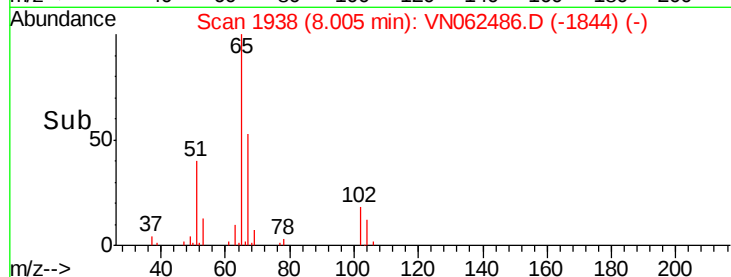
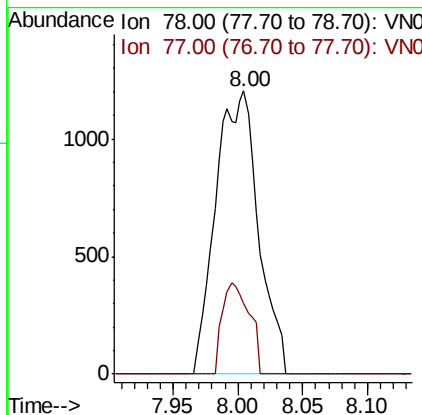
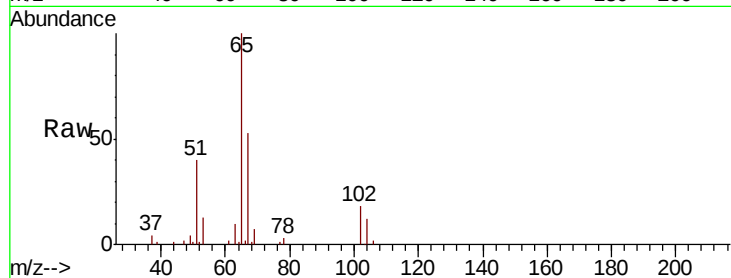
77 25.3 18.7 28.1

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#41

Methacrylonitrile

Concen: 0.270 ug/l m

RT: 7.15 min Scan# 1671

Delta R.T. 0.02 min

Lab File: VN062486.D

Acq: 10 Jul 2020 12:18

Tgt Ion: 41 Resp: 552

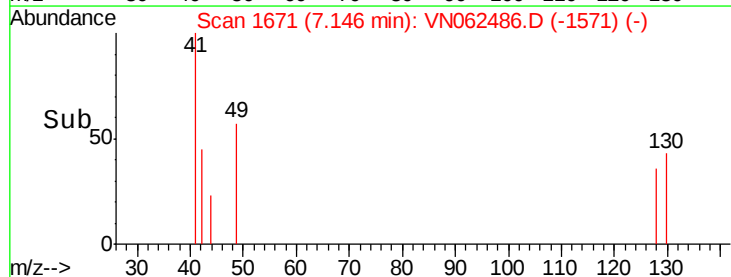
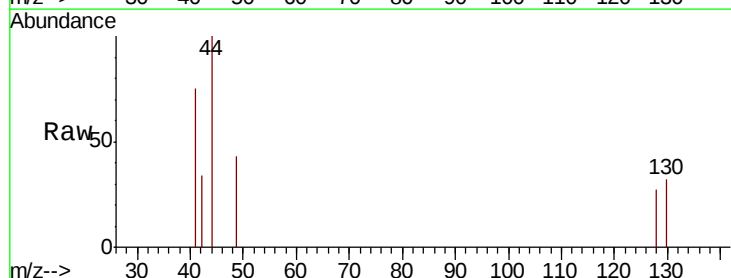
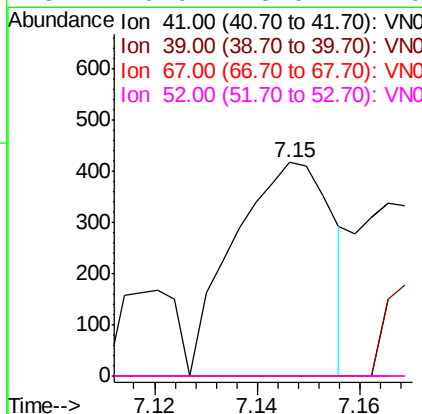
Ion Ratio Lower Upper

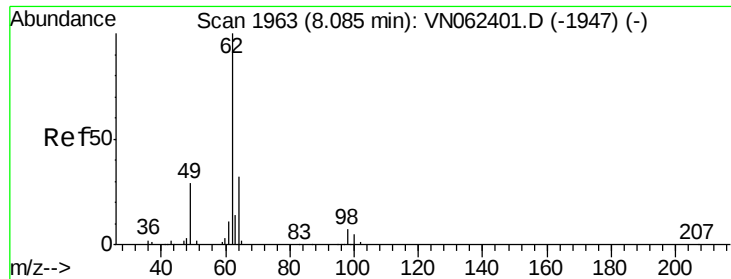
41 100

39 0.0 50.2 75.2#

67 0.0 64.2 96.2#

52 0.0 28.0 42.0#





#42

1,2-Dichloroethane

Concen: 0.251 ug/l m

RT: 8.08 min Scan# 1961

Delta R.T. -0.01 min

Lab File: VN062486.D

Acq: 10 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion: 62 Resp: 1134

Ion Ratio Lower Upper

62 100

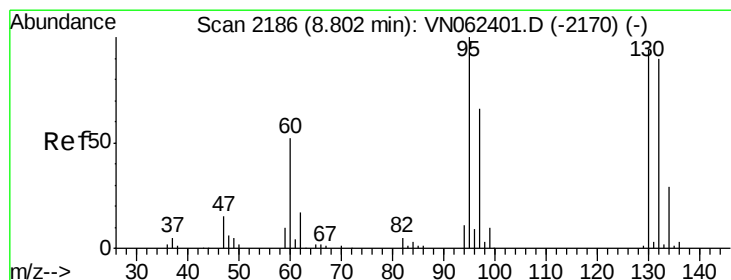
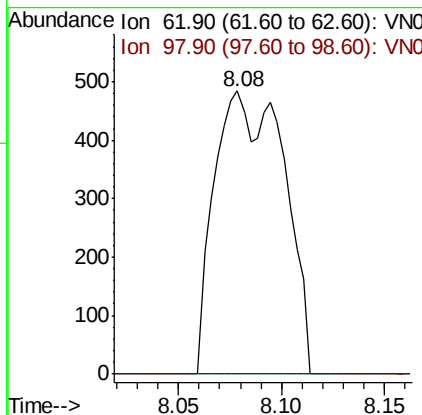
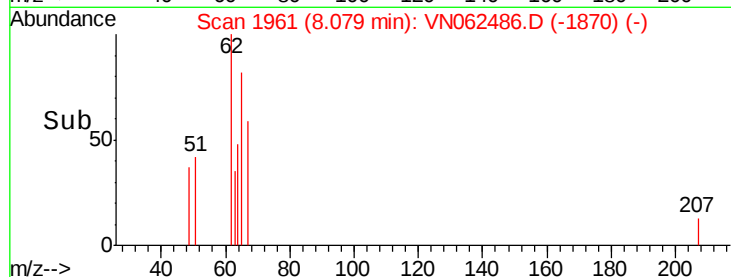
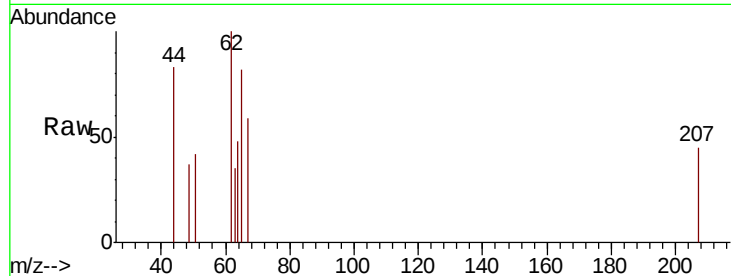
98 0.0 0.0 15.8

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#44

Trichloroethene

Concen: 0.209 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN062486.D

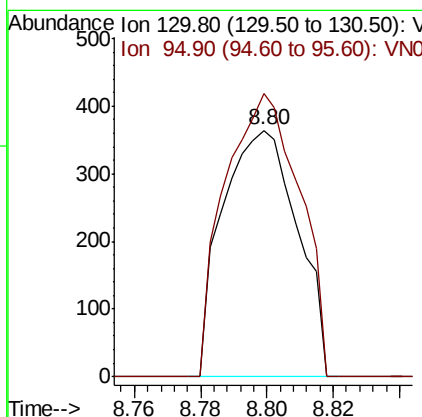
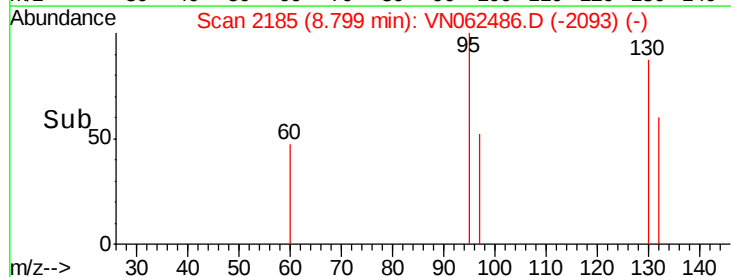
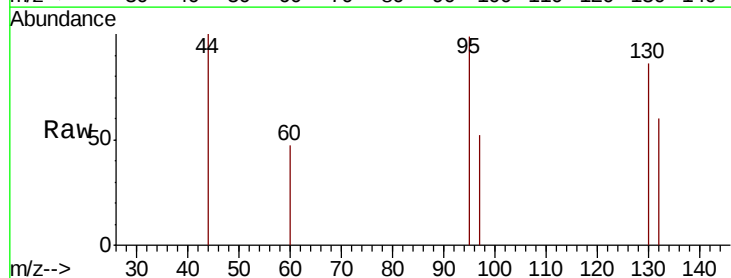
Acq: 10 Jul 2020 12:18

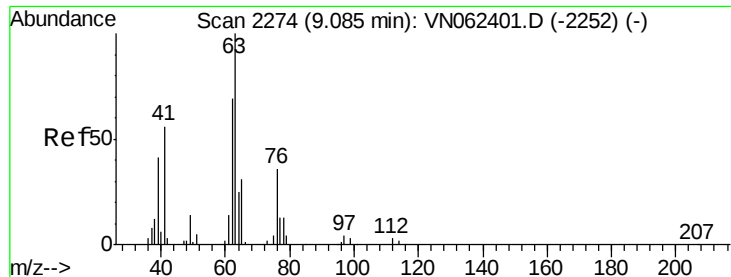
Tgt Ion: 130 Resp: 571

Ion Ratio Lower Upper

130 100

95 114.8 0.0 213.8





#45

1,2-Dichloropropane

Concen: 0.200 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN062486.D

Acq: 10 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion: 63 Resp: 717

Ion Ratio Lower Upper

63 100

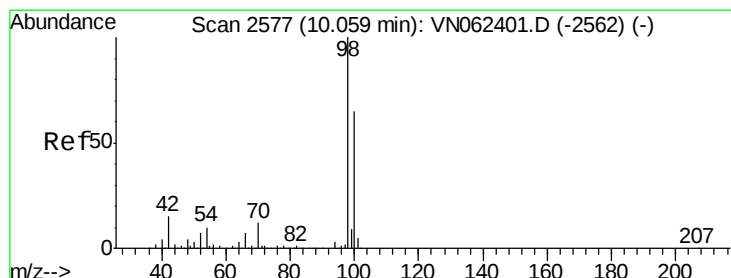
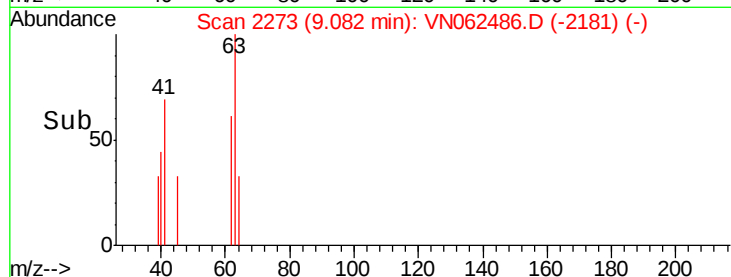
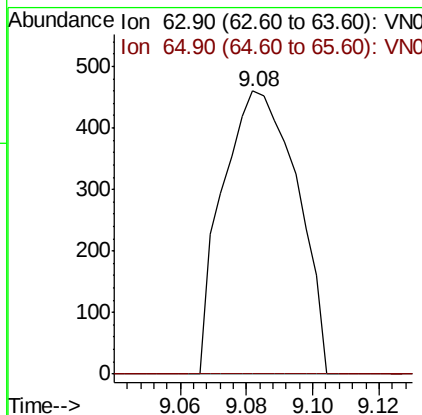
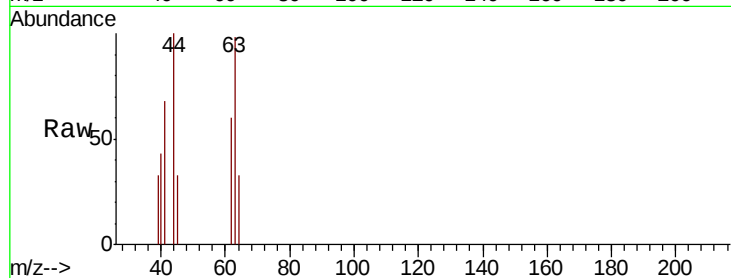
65 0.0 24.6 36.8#

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#50

Toluene-d8

Concen: 50.644 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062486.D

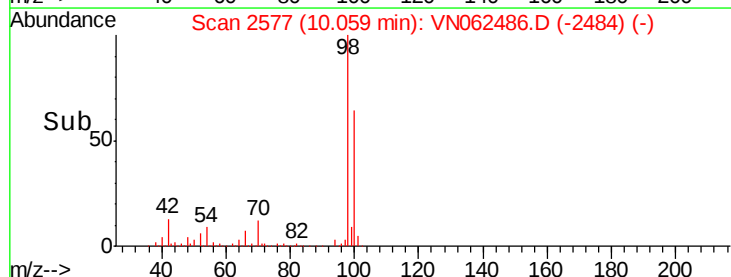
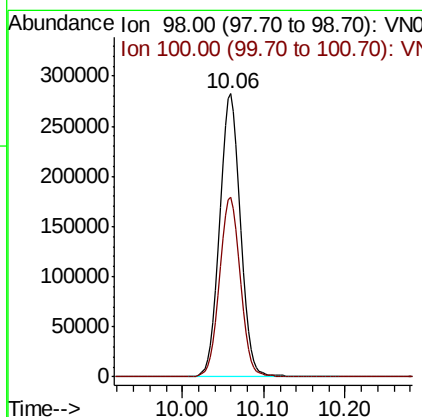
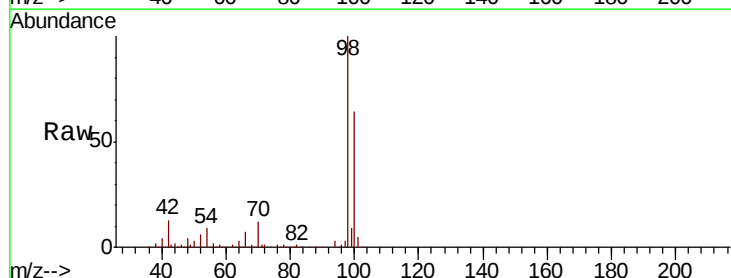
Acq: 10 Jul 2020 12:18

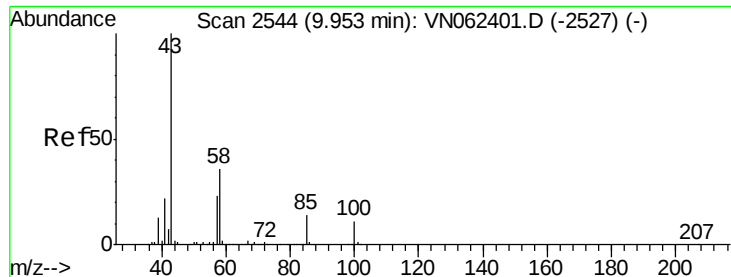
Tgt Ion: 98 Resp: 513669

Ion Ratio Lower Upper

98 100

100 63.5 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 0.927 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN062486.D

Acq: 10 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion: 43 Resp: 4282

Ion Ratio Lower Upper

43 100

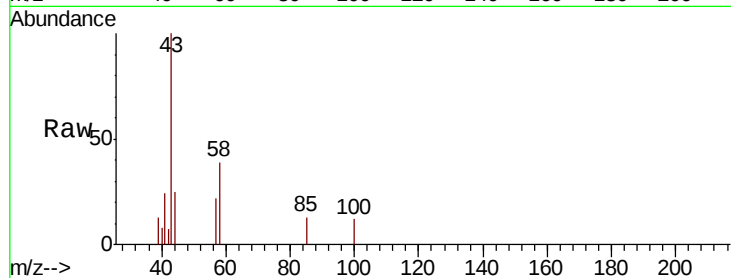
58 31.8 29.0 43.6

Manual Integrations

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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) (-)

2500

2000

1500

1000

500

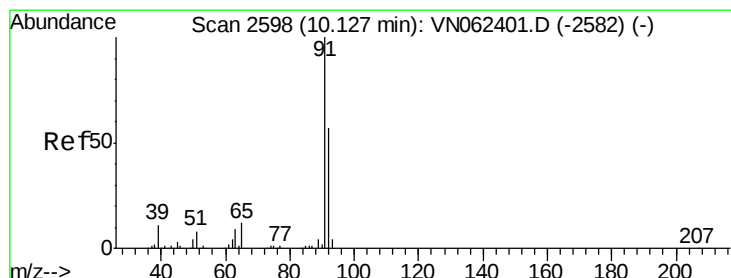
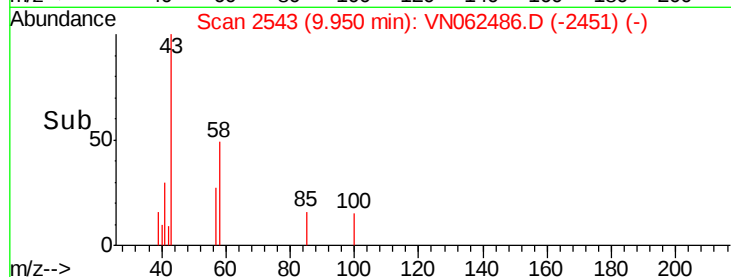
0

9.90

9.95

10.00

Time-->



#52

Toluene

Concen: 0.207 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062486.D

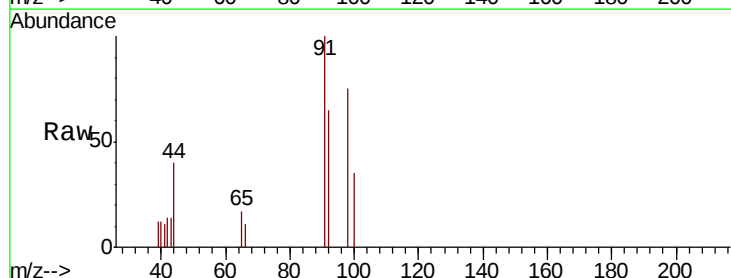
Acq: 10 Jul 2020 12:18

Tgt Ion: 92 Resp: 1475

Ion Ratio Lower Upper

92 100

91 171.6 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN062486.D (-2505) (-)

Ion 91.00 (90.70 to 91.70): VN062486.D (-2505) (-)

1500

1000

500

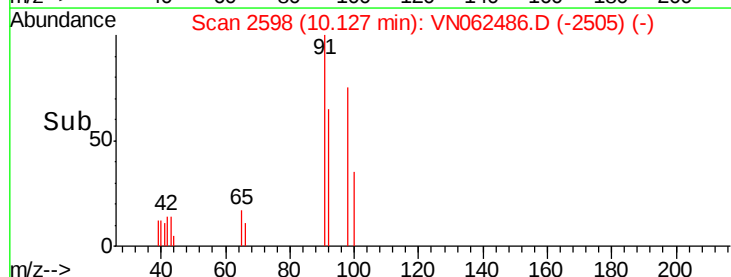
0

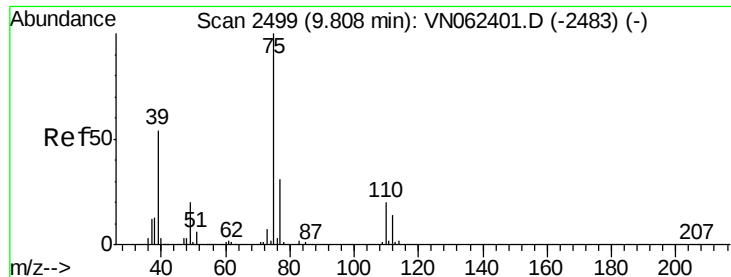
10.10

10.13

10.15

Time-->





#54

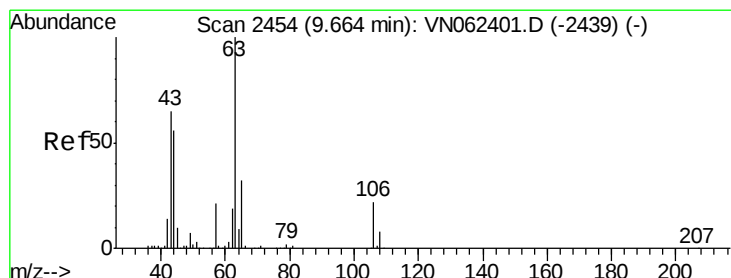
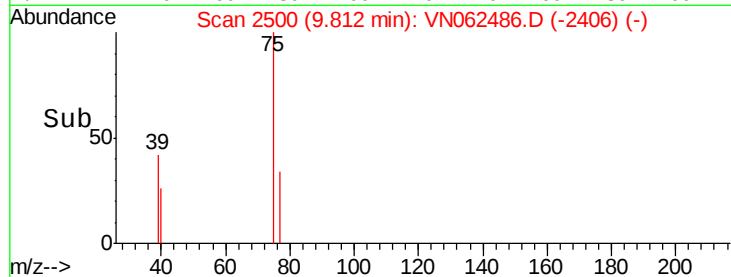
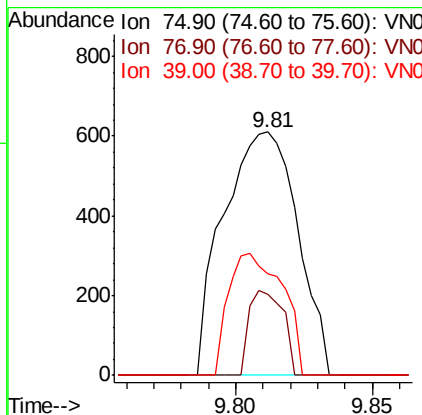
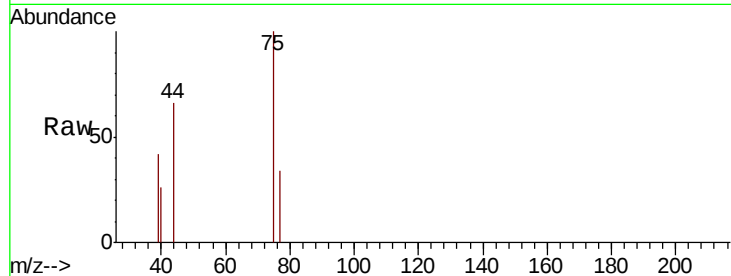
cis-1,3-Dichloropropene
 Concen: 0.216 ug/l
 RT: 9.81 min Scan# 2500
 Delta R.T. 0.00 min
 Lab File: VN062486.D
 Acq: 10 Jul 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2020DL

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.6	24.5	36.7
39	41.7	43.4	65.0#

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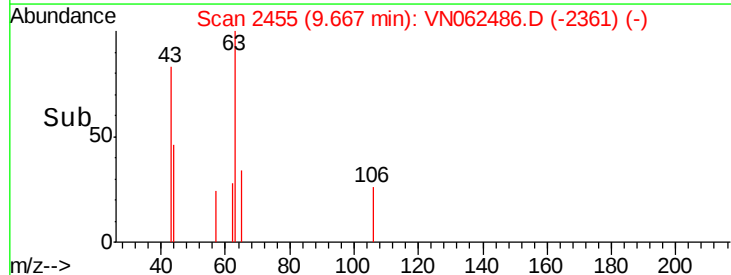
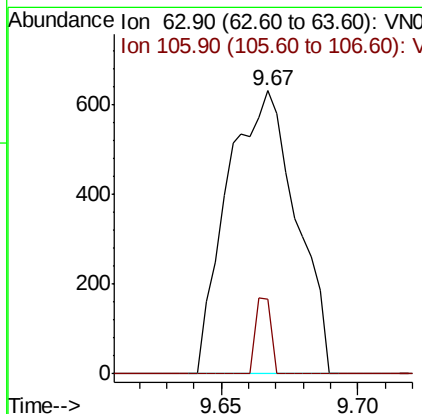
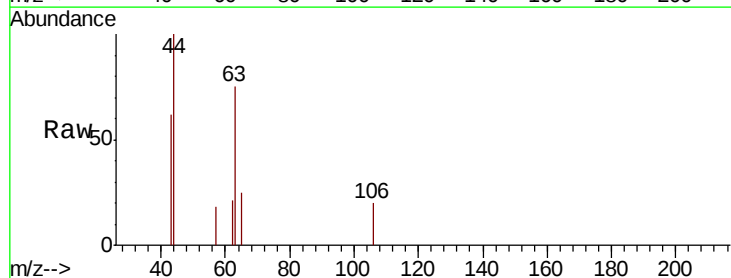
MMDadoda
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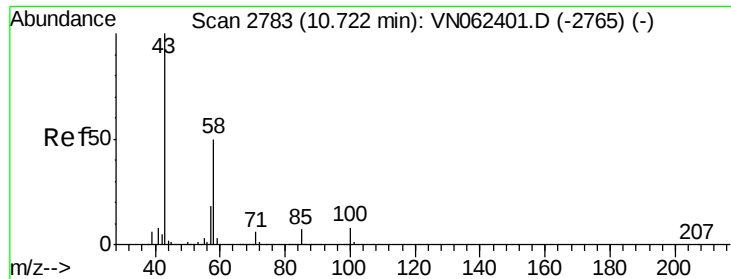


#58

2-Chloroethyl Vinyl ether
 Concen: 0.663 ug/l
 RT: 9.67 min Scan# 2455
 Delta R.T. 0.00 min
 Lab File: VN062486.D
 Acq: 10 Jul 2020 12:18

Tgt Ion	Ratio	Lower	Upper
63	100		
106	5.9	17.6	26.4#





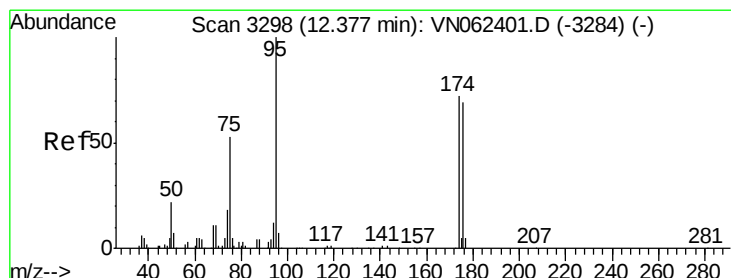
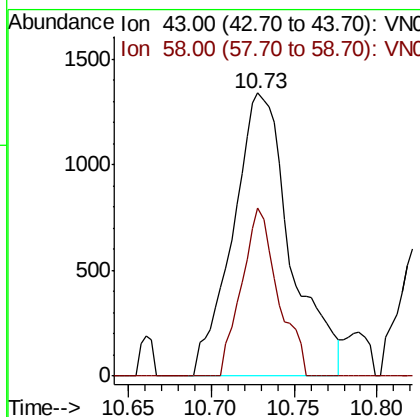
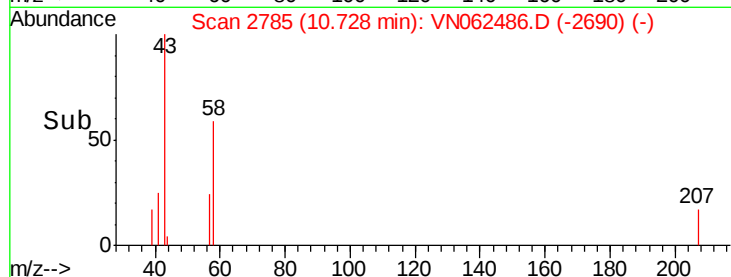
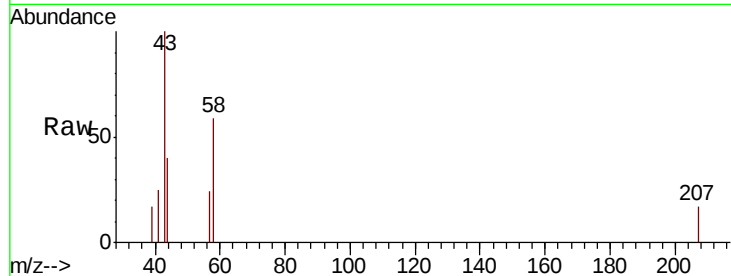
#59
2-Hexanone
Concen: 0.969 ug/l
RT: 10.73 min Scan# 2785
Delta R.T. 0.01 min
Lab File: VN062486.D
Acq: 10 Jul 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2020DL

Tot Ion: 43 Resp: 3250
Ion Ratio Lower Upper
43 100
58 37.0 25.1 75.2

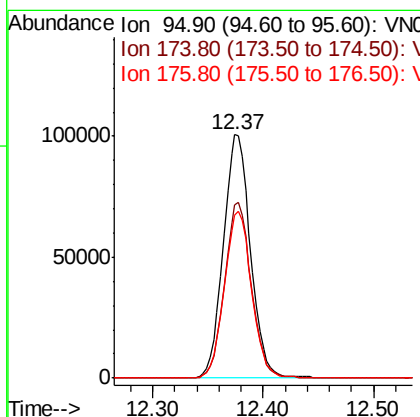
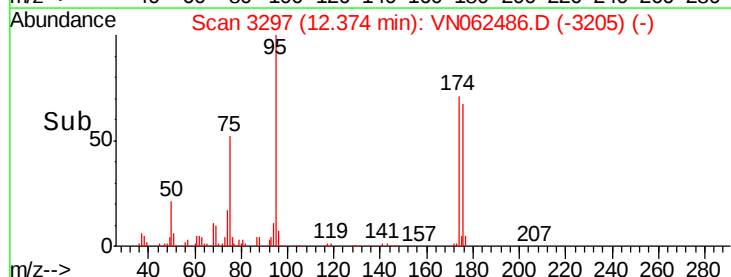
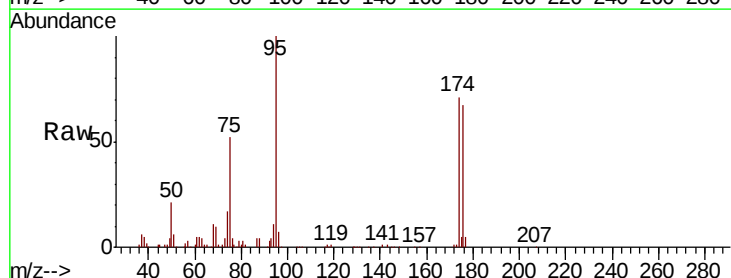
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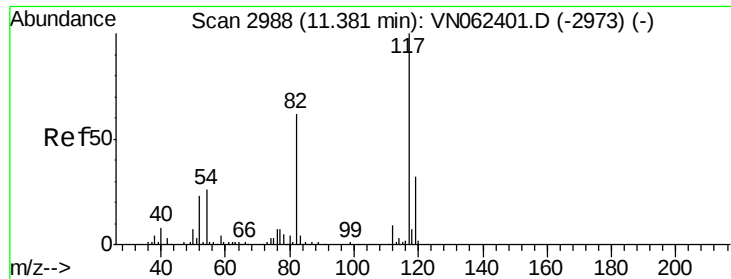
MMDadoda
7/13/2020 11:19:05 AM



#62
4-Bromofluorobenzene
Concen: 46.299 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN062486.D
Acq: 10 Jul 2020 12:18

Tgt Ion: 95 Resp: 171607
Ion Ratio Lower Upper
95 100
174 71.1 0.0 141.6
176 69.0 0.0 137.2





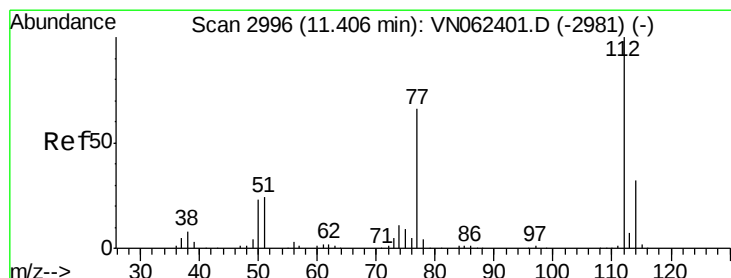
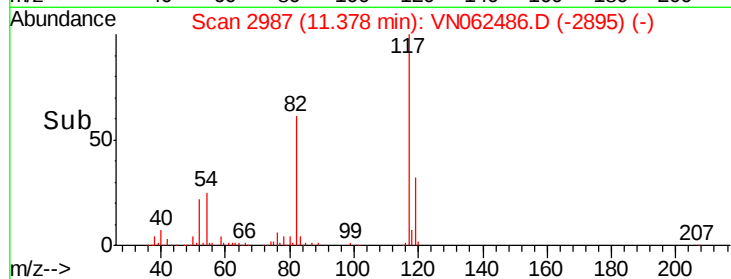
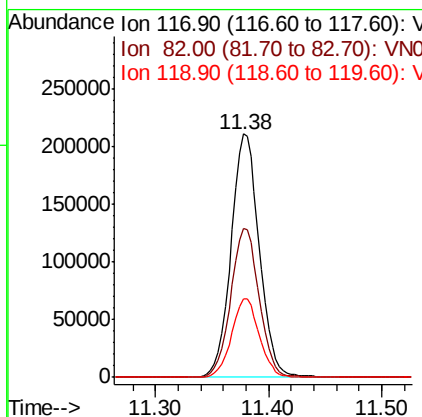
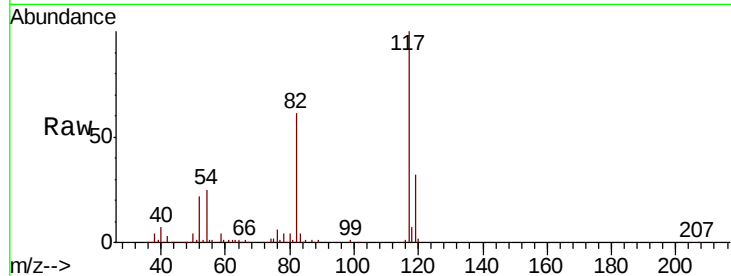
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN062486.D
Acq: 10 Jul 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2020DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.9	49.6	74.4
119	32.0	25.4	38.0

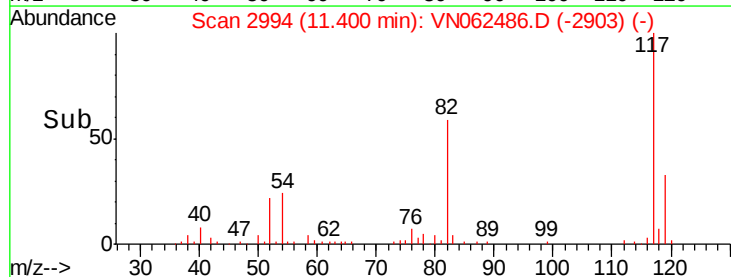
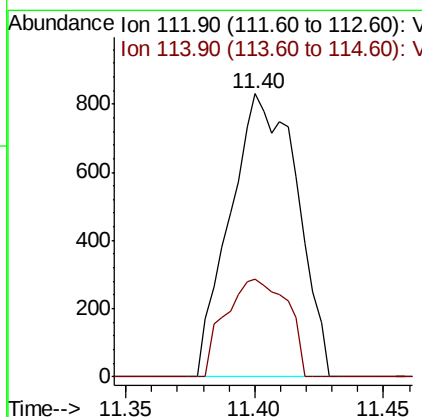
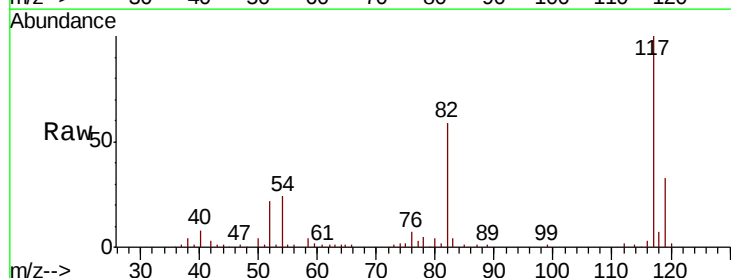
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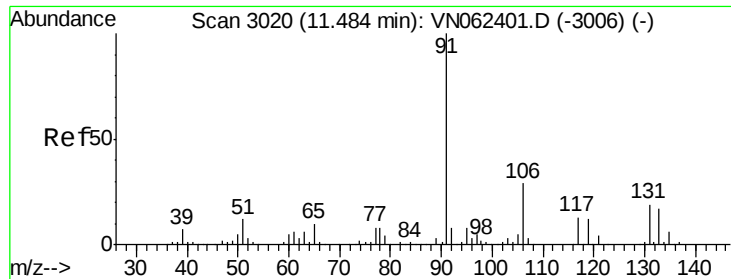
MMDadoda
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#65
Chlorobenzene
Concen: 0.211 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.01 min
Lab File: VN062486.D
Acq: 10 Jul 2020 12:18

Tgt Ion	Ratio	Lower	Upper
112	100		
114	34.6	25.9	38.9





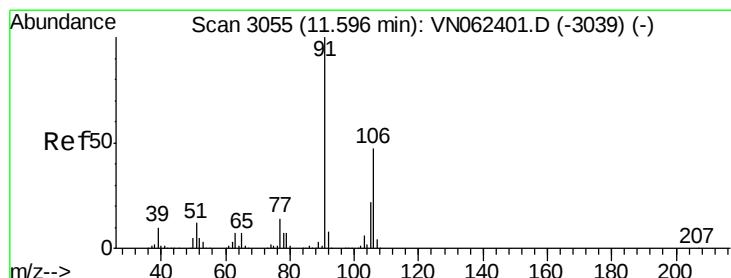
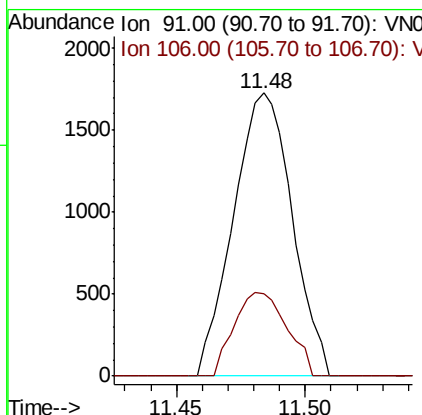
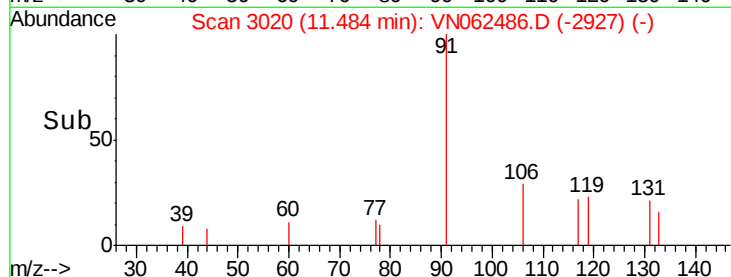
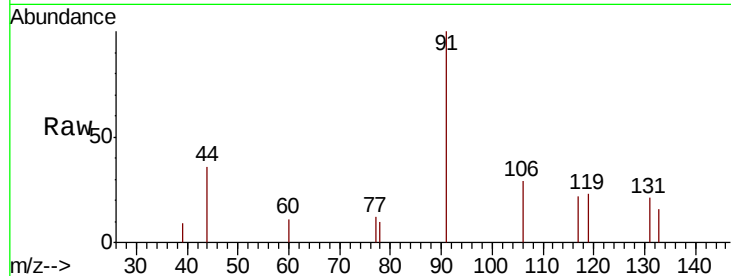
#67
Ethyl Benzene
Concen: 0.205 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062486.D
Acq: 10 Jul 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2020DL

Tot Ion: 91 Resp: 2743
Ion Ratio Lower Upper
91 100
106 29.1 23.4 35.2

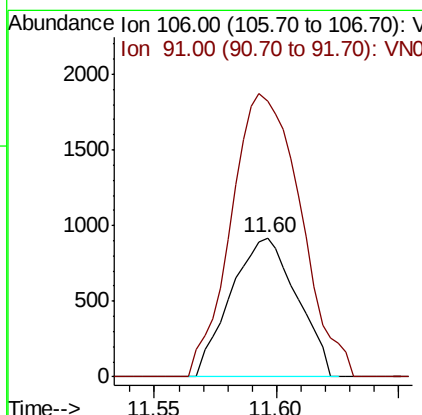
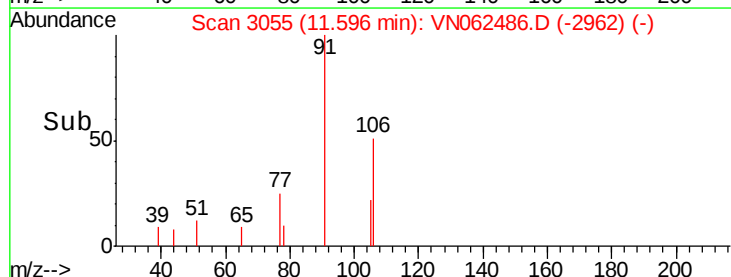
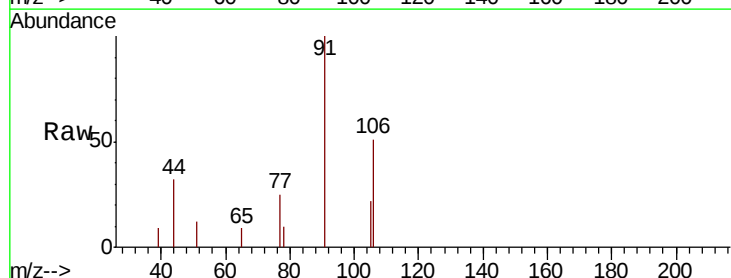
Manual Integrations
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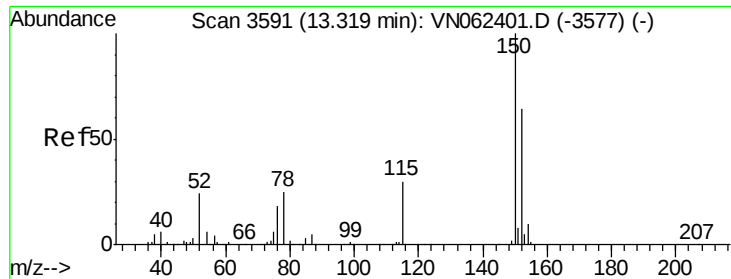
MMDadoda
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#68
m/p-Xylenes
Concen: 0.365 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062486.D
Acq: 10 Jul 2020 12:18

Tgt Ion: 106 Resp: 1724
Ion Ratio Lower Upper
106 100
91 214.4 172.4 258.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062486.D

Acq: 10 Jul 2020 12:18

Instrument :

MSVOA_N

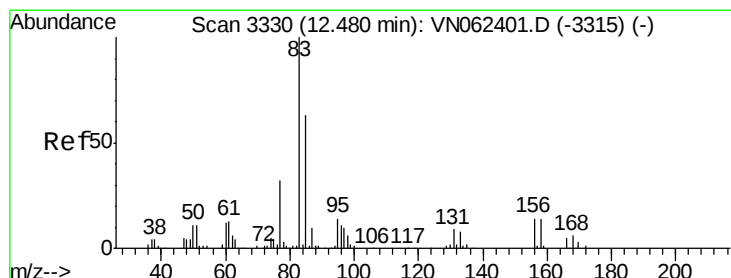
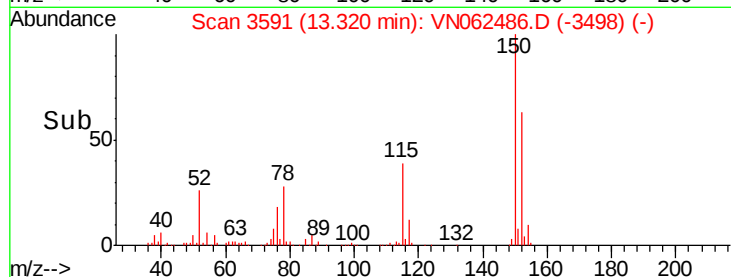
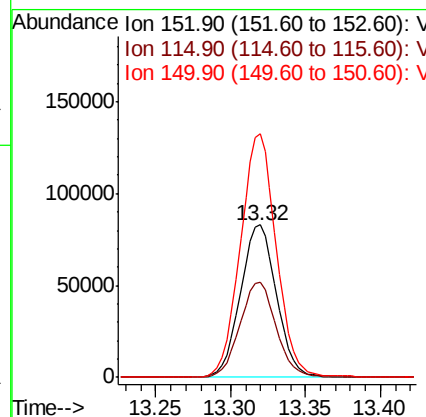
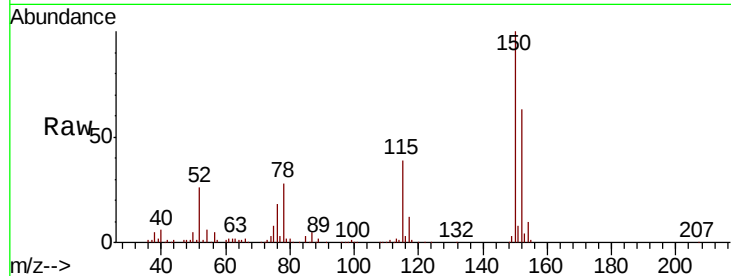
ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion:	152	Resp:	139082
Ion Ratio	Lower	Upper	
152	100		
115	62.8	31.4	94.2
150	159.1	0.0	347.4

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#75

1,1,2,2-Tetrachloroethane

Concen: 0.241 ug/l

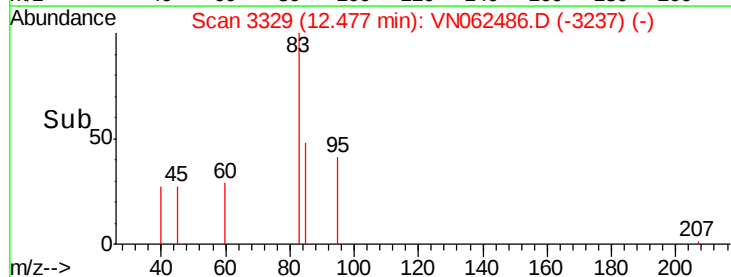
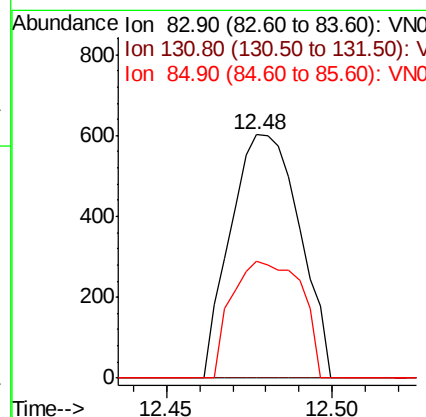
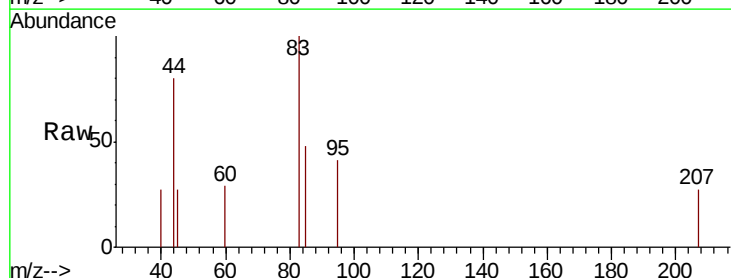
RT: 12.48 min Scan# 3329

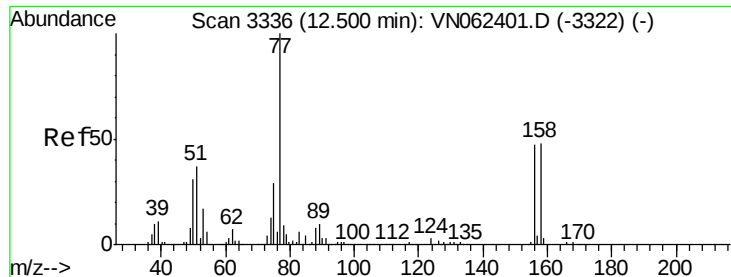
Delta R.T. -0.00 min

Lab File: VN062486.D

Acq: 10 Jul 2020 12:18

Tgt Ion:	83	Resp:	871
Ion Ratio	Lower	Upper	
83	100		
131	0.0	4.5	13.5#
85	48.1	31.9	95.9





#77

Bromobenzene

Concen: 0.216 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN062486.D

Acq: 10 Jul 2020 12:18

Instrument :

MSVOA_N

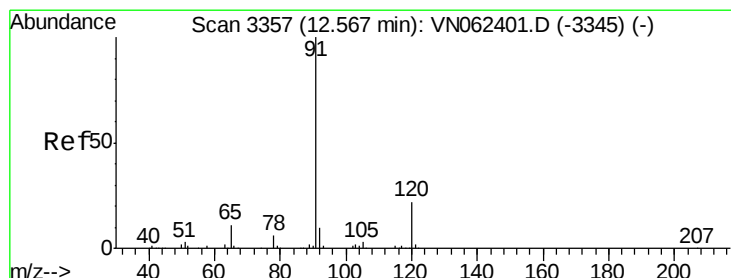
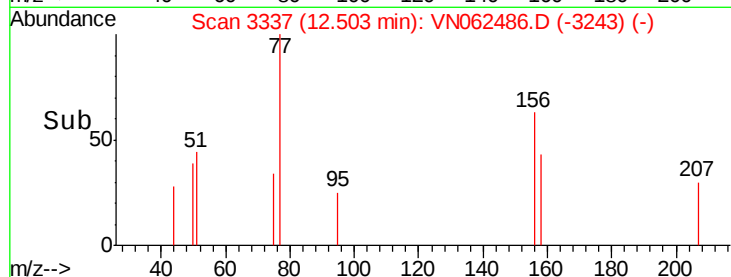
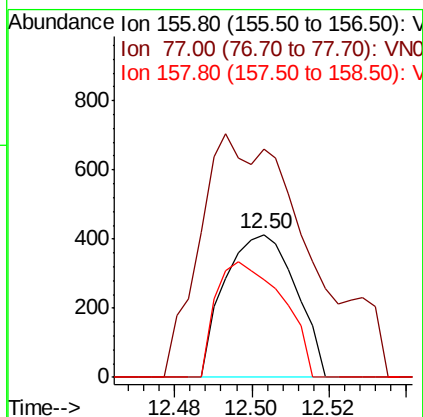
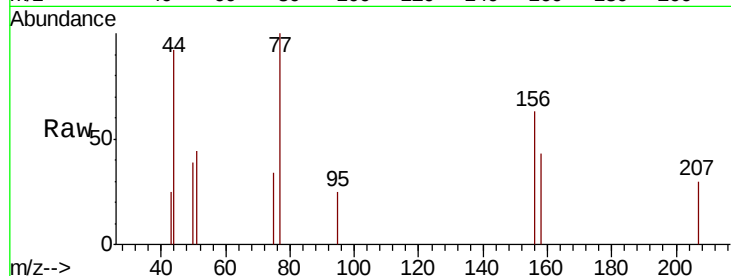
ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion	Ratio	Lower	Upper
156	100		
77	260.0	126.4	379.3
158	75.9	49.8	149.4

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#78

n-propylbenzene

Concen: 0.209 ug/l

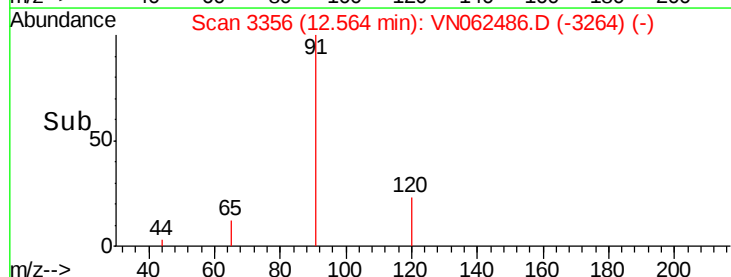
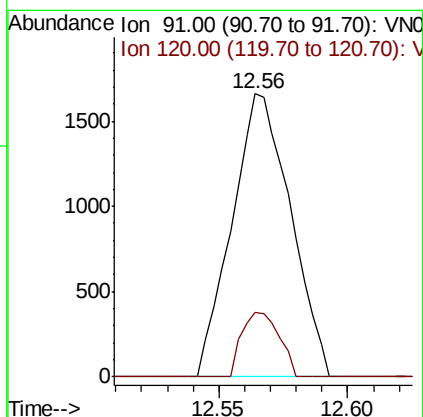
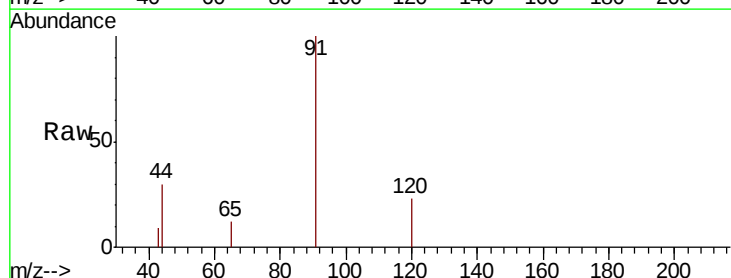
RT: 12.56 min Scan# 3356

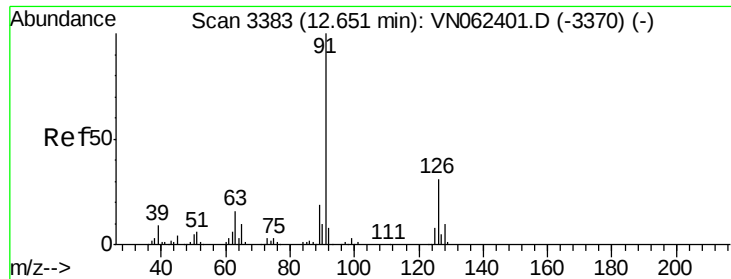
Delta R.T. -0.00 min

Lab File: VN062486.D

Acq: 10 Jul 2020 12:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	14.6	10.7	32.1





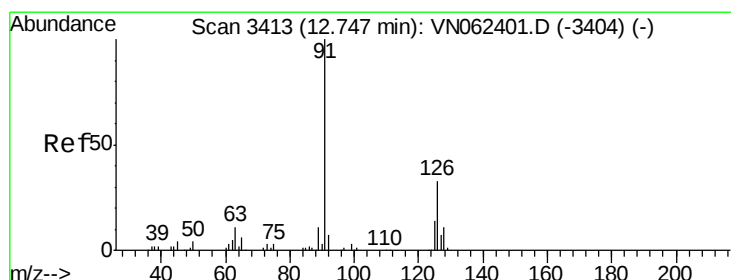
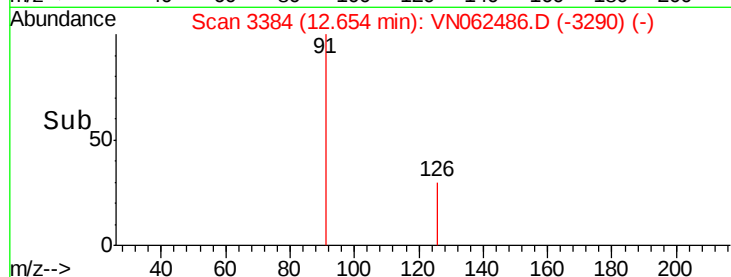
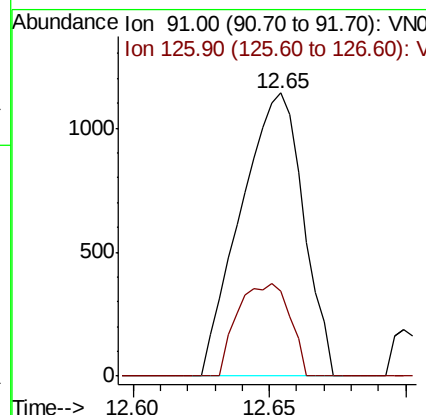
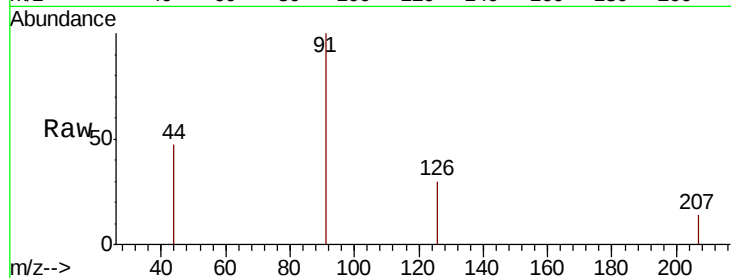
#79
 2-Chlorotoluene
 Concen: 0.238 ug/l
 RT: 12.65 min Scan# 3384
 Delta R.T. 0.00 min
 Lab File: VN062486.D
 Acq: 10 Jul 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2020DL

Tot Ion: 91 Resp: 1813
 Ion Ratio Lower Upper
 91 100
 126 27.2 15.6 46.7

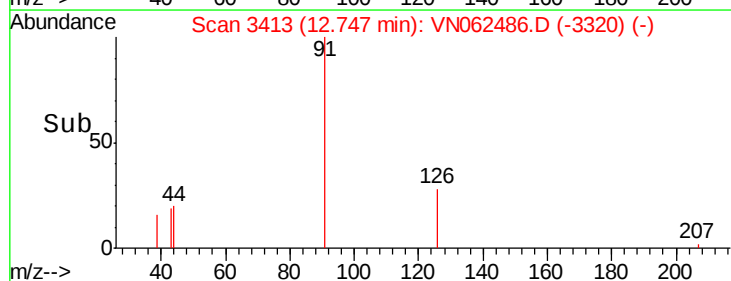
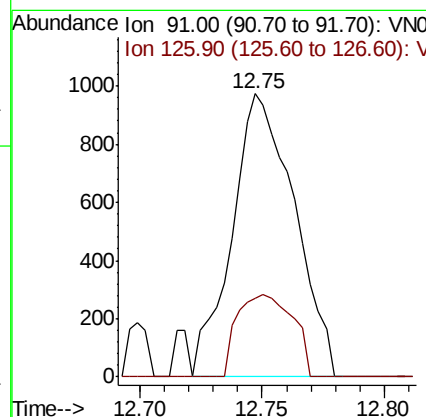
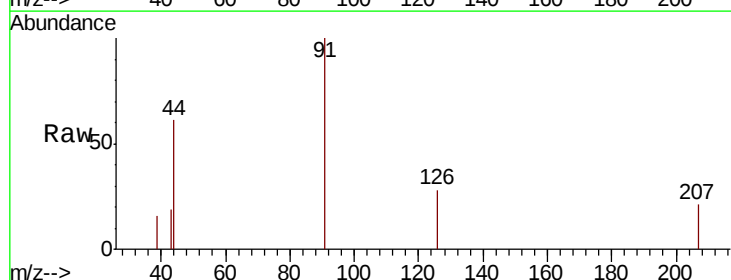
Manual Integrations
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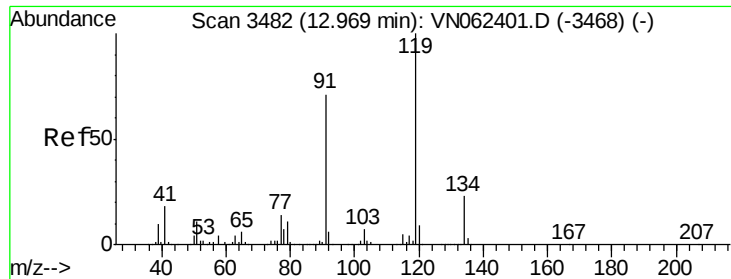
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#82
 4-Chlorotoluene
 Concen: 0.223 ug/l
 RT: 12.75 min Scan# 3413
 Delta R.T. 0.00 min
 Lab File: VN062486.D
 Acq: 10 Jul 2020 12:18

Tgt Ion: 91 Resp: 1725
 Ion Ratio Lower Upper
 91 100
 126 26.0 15.2 45.6





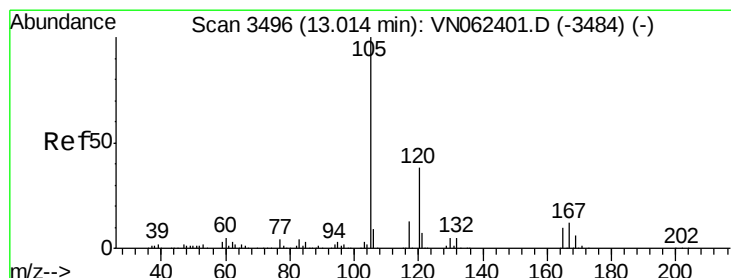
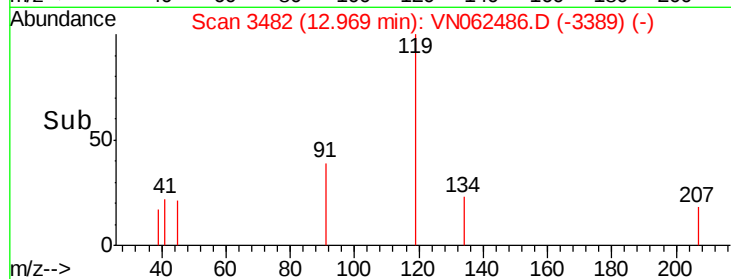
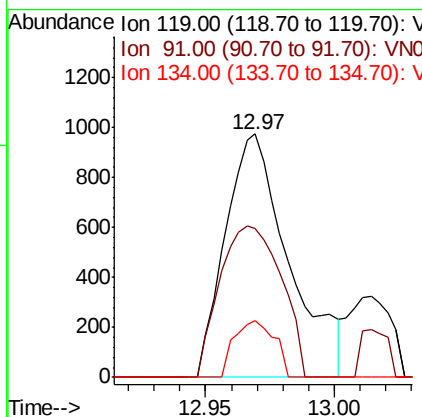
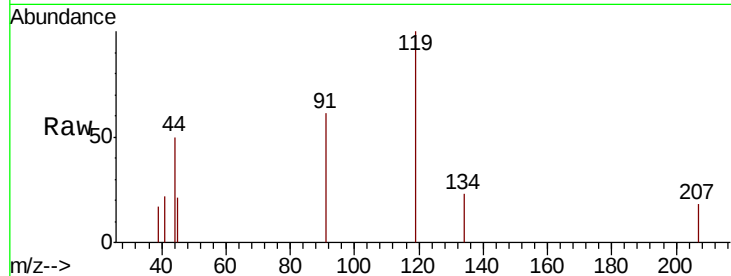
#83
tert-Butylbenzene
Concen: 0.223 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062486.D
Acq: 10 Jul 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2020DL

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.2	34.8	104.3
134	14.7	11.7	35.0

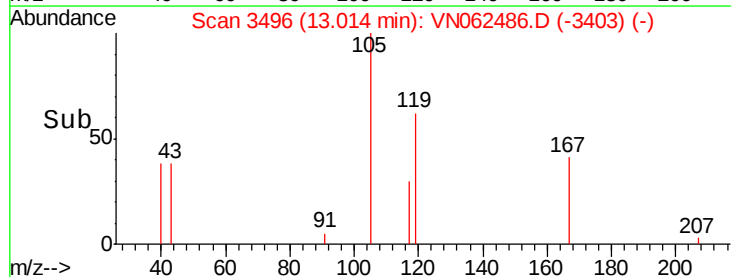
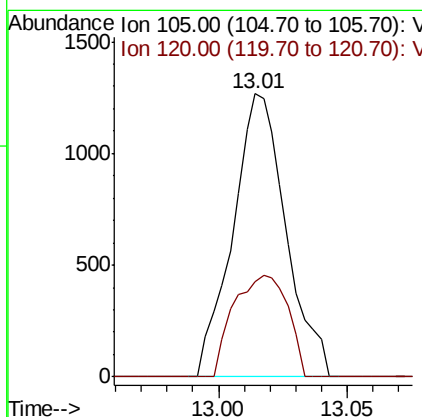
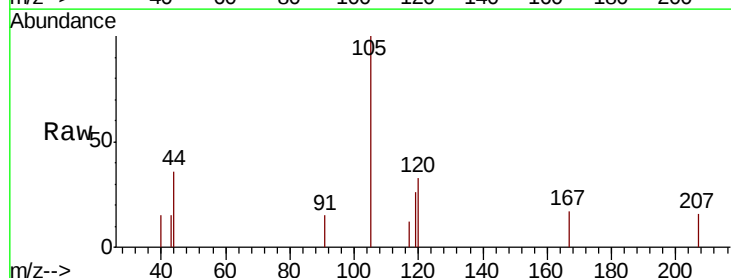
Manual Integrations
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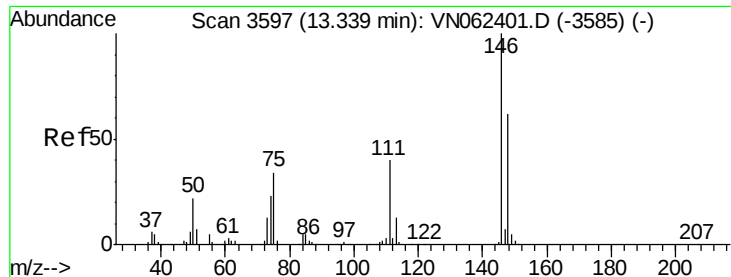
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#84
1,2,4-Trimethylbenzene
Concen: 0.208 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN062486.D
Acq: 10 Jul 2020 12:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	36.4	21.6	64.8





#88

1,4-Dichlorobenzene

Concen: 0.222 ug/l m

RT: 13.34 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VN062486.D

Acq: 10 Jul 2020 12:18

Instrument :

MSVOA_N

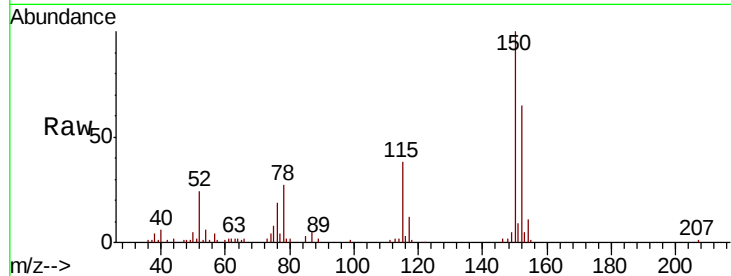
ClientSampleId :

MDL-WATER-03-QT3-2020DL

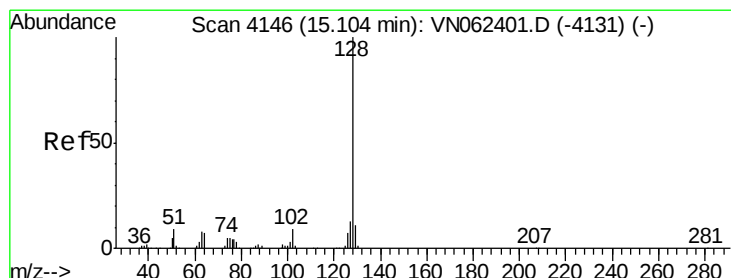
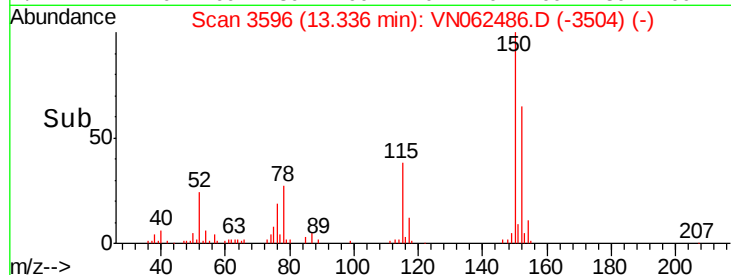
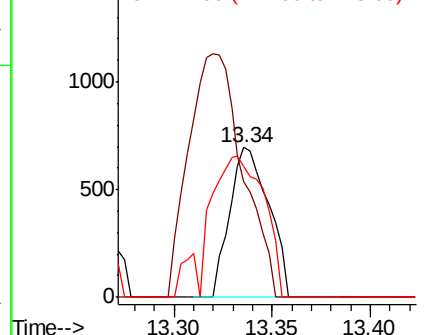
Tot Ion:	146	Resp:	965
Ion Ratio	Lower	Upper	
146	100		
111	30.2	21.1	63.1
148	54.1	31.4	94.2

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#95

Naphthalene

Concen: 0.287 ug/l

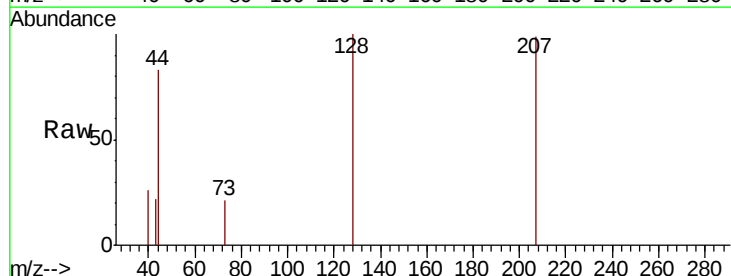
RT: 15.11 min Scan# 4149

Delta R.T. 0.01 min

Lab File: VN062486.D

Acq: 10 Jul 2020 12:18

Tgt Ion:	128	Resp:	1491
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.2	15.2#
129	0.0	8.6	12.8#



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

