

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\
 Data File : VN064325.D
 Acq On : 27 Oct 2020 14:53
 Operator : JC/MD
 Sample : L4214-09 .2PPB MDL
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Quant Time: Oct 28 05:10:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	268367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	433295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	388412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	166690	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	215101	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
35) Dibromofluoromethane	7.55	113	145195	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
50) Toluene-d8	10.06	98	518119	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
62) 4-Bromofluorobenzene	12.38	95	194969	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	889	0.267	ug/l	99
4) Vinyl Chloride	2.16	62	772	0.239	ug/l #	80
5) Bromomethane	2.54	94	672	0.322	ug/l	95
10) Methyl Iodide	3.91	142	768	0.212	ug/l #	44
13) Acrolein	3.57	56	62	0.428	ug/l #	64
15) Acrylonitrile	4.94	53	1173	0.871	ug/l #	34
16) Acetone	3.78	43	2730	1.736	ug/l #	47
17) Carbon Disulfide	4.02	76	3104	0.409	ug/l #	75
23) Vinyl Acetate	5.85	43	3837	0.443	ug/l #	75
25) 2-Butanone	6.78	43	1352	0.624	ug/l	97
29) Tetrahydrofuran	7.16	42	396	0.282	ug/l #	50
31) Cyclohexane	7.62	56	8054	1.609	ug/l #	50
36) 1,1-Dichloropropene	7.62	75	23018	5.264	ug/l #	45
38) Carbon Tetrachloride	7.62	117	30637	6.043	ug/l #	18
41) Methacrylonitrile	7.14	41	586	0.267	ug/l #	25
42) 1,2-Dichloroethane	8.09	62	1457	0.277	ug/l #	79
48) Methyl methacrylate	9.17	41	785	0.202	ug/l #	66
49) 1,4-Dioxane	9.16	88	186	3.239	ug/l #	16
51) 4-Methyl-2-Pentanone	9.96	43	3684	0.839	ug/l	91
52) Toluene	10.13	92	1613	0.210	ug/l	94
53) t-1,3-Dichloropropene	10.35	75	1118	0.209	ug/l #	45
58) 2-Chloroethyl Vinyl ether	9.66	63	1942	0.775	ug/l	100
59) 2-Hexanone	10.72	43	1861	0.576	ug/l	93
64) Tetrachloroethene	10.59	164	835	0.262	ug/l #	74
65) Chlorobenzene	11.41	112	1576	0.200	ug/l #	83
68) m/p-Xylenes	11.59	106	2335	0.430	ug/l	74
73) Isopropylbenzene	12.22	105	2794	0.224	ug/l	88
76) 1,2,3-Trichloropropane	12.38	75	110232	27.615	ug/l #	100
78) n-propylbenzene	12.57	91	3005	0.213	ug/l	84
79) 2-Chlorotoluene	12.65	91	2135	0.236	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	110232	79.545	ug/l #	8
82) 4-Chlorotoluene	12.75	91	2186	0.237	ug/l	92
84) 1,2,4-Trimethylbenzene	13.02	105	2240	0.212	ug/l	87
86) p-Isopropyltoluene	13.26	119	2163	0.214	ug/l	82

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\
Data File : VN064325.D
Acq On : 27 Oct 2020 14:53
Operator : JC/MD
Sample : L4214-09 .2PPB MDL
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

Quant Time: Oct 28 05:10:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 27 12:23:17 2020
Response via : Initial Calibration

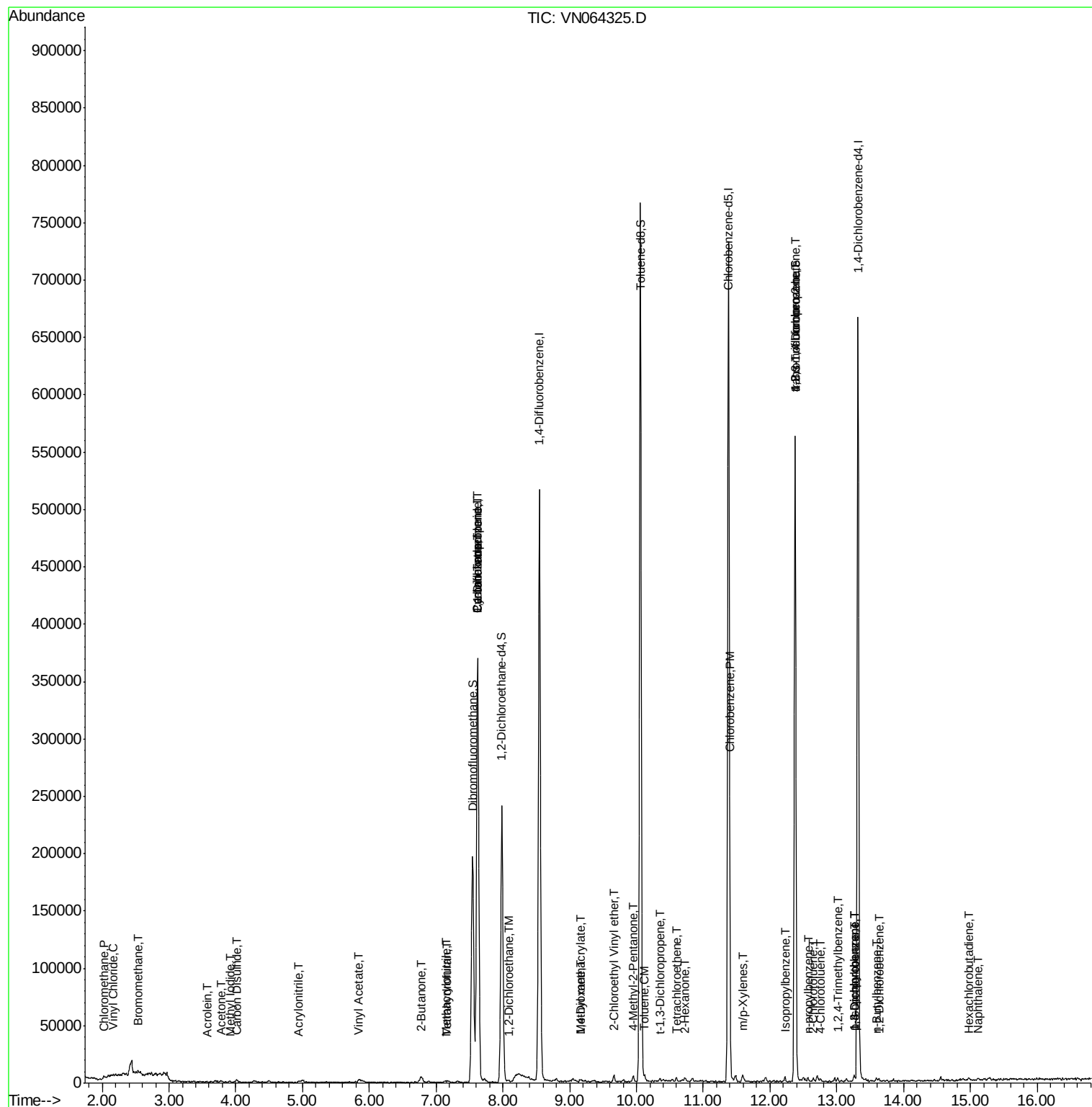
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	13.26	146	1457	0.272	ug/l	82
88) 1,4-Dichlorobenzene	13.26	146	1457	0.267	ug/l	84
89) n-Butylbenzene	13.59	91	1968	0.221	ug/l	86
91) 1,2-Dichlorobenzene	13.63	146	1314	0.247	ug/l #	80
94) Hexachlorobutadiene	14.98	225	581	0.356	ug/l	85
95) Naphthalene	15.11	128	1741	0.212	ug/l #	74

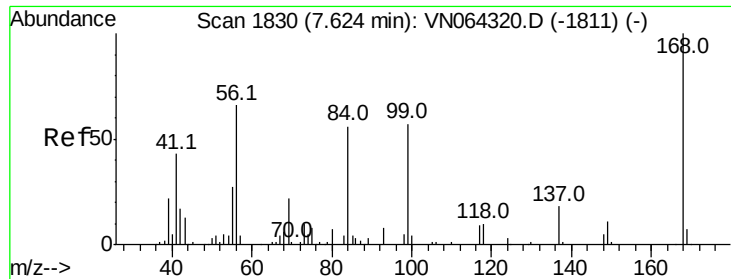
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102720\
Data File : VN064325.D
Acq On : 27 Oct 2020 14:53
Operator : JC/MD
Sample : L4214-09 .2PPB MDL
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

Quant Time: Oct 28 05:10:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 27 12:23:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

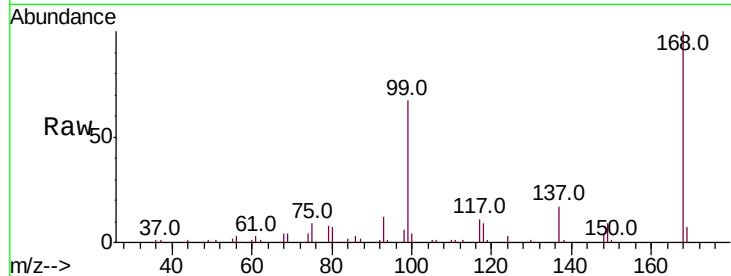
MDL-WATER-03-QT4-2020

Tot Ion:168 Resp: 268367

Ion Ratio Lower Upper

168 100

99 67.3 52.7 79.1



Abundance Ion 167.90 (167.60 to 168.60): VN064320.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN064320.D (-1811) (-)

7.62

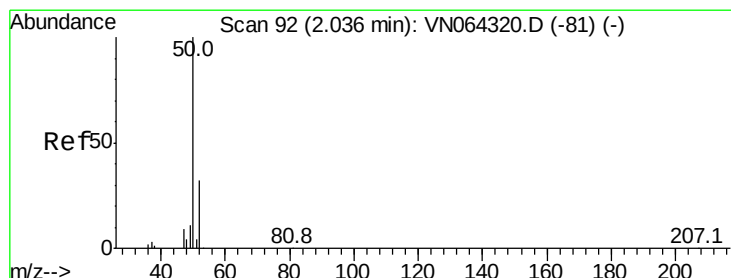
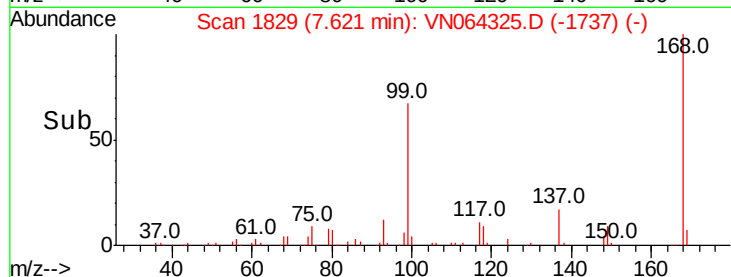
100000

50000

0

Time-->

7.50 7.55 7.60 7.65 7.70



#3

Chloromethane

Concen: 0.267 ug/l

RT: 2.03 min Scan# 91

Delta R.T. -0.00 min

Lab File: VN064325.D

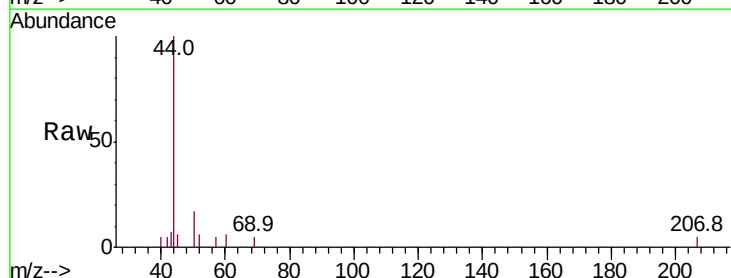
Acq: 27 Oct 2020 14:53

Tgt Ion: 50 Resp: 889

Ion Ratio Lower Upper

50 100

52 32.8 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN064320.D (-81) (-)

Ion 51.90 (51.60 to 52.60): VN064320.D (-81) (-)

2.03

600

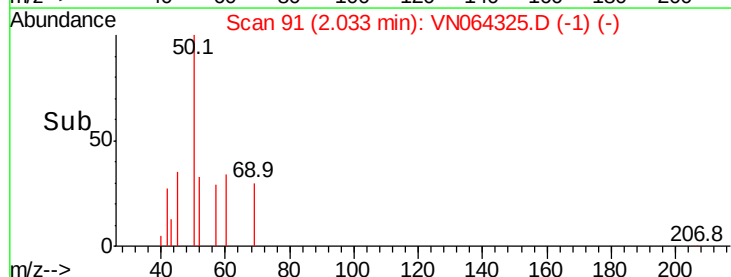
400

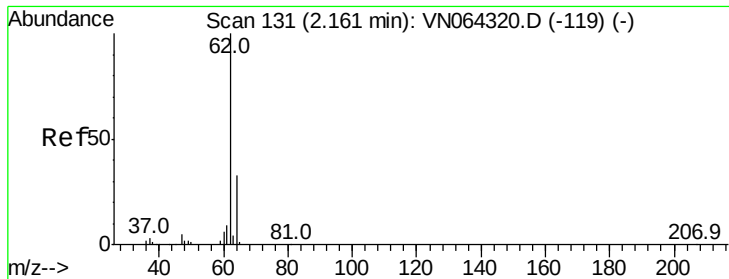
200

0

Time-->

2.00 2.02 2.04 2.06





#4

Vinyl Chloride

Concen: 0.239 ug/l

RT: 2.16 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

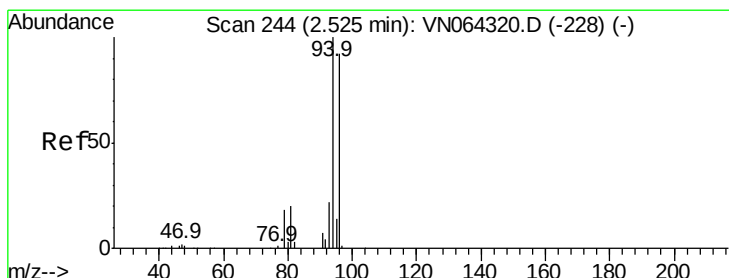
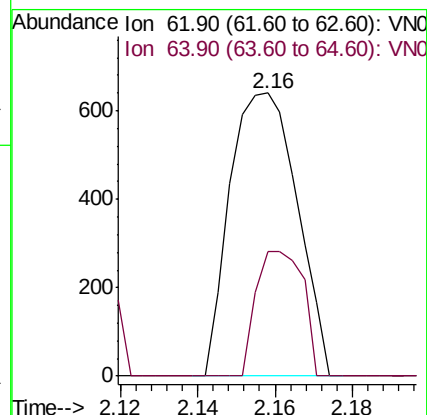
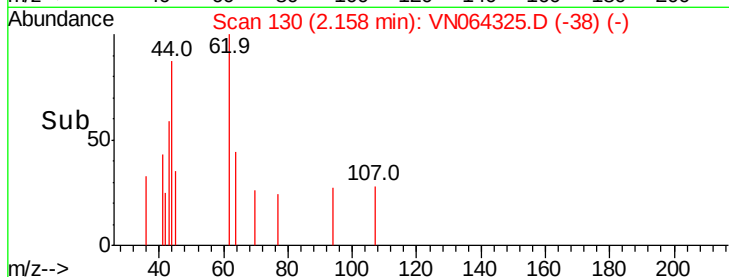
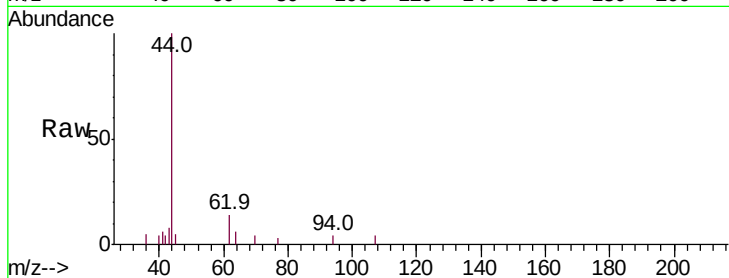
MDL-WATER-03-QT4-2020

Tot Ion: 62 Resp: 772

Ion Ratio Lower Upper

62 100

64 43.9 26.2 39.4#



#5

Bromomethane

Concen: 0.322 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064325.D

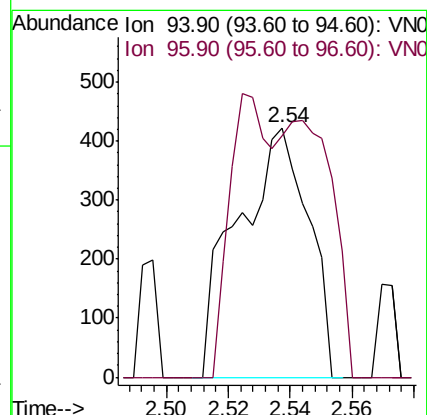
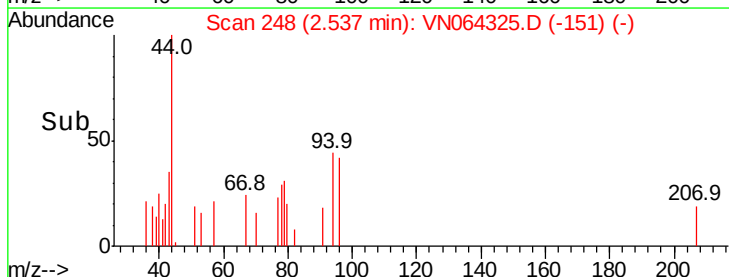
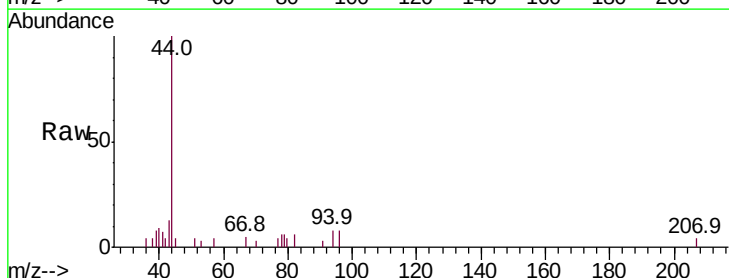
Acq: 27 Oct 2020 14:53

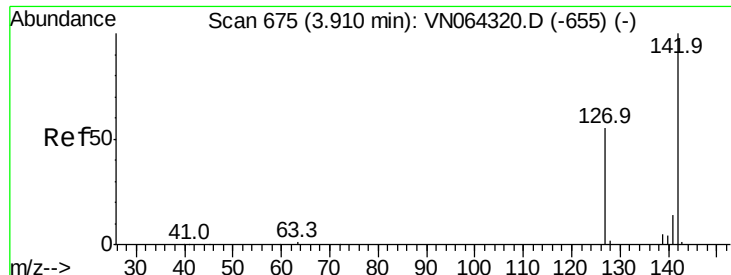
Tgt Ion: 94 Resp: 672

Ion Ratio Lower Upper

94 100

96 96.9 73.6 110.4

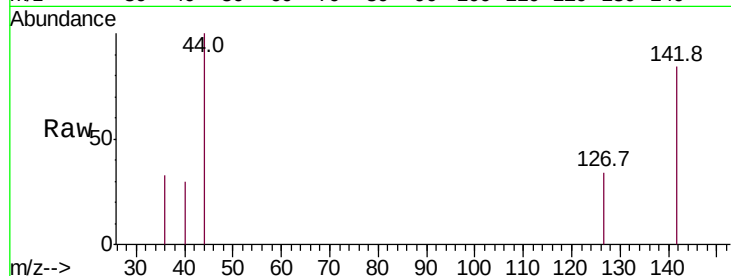




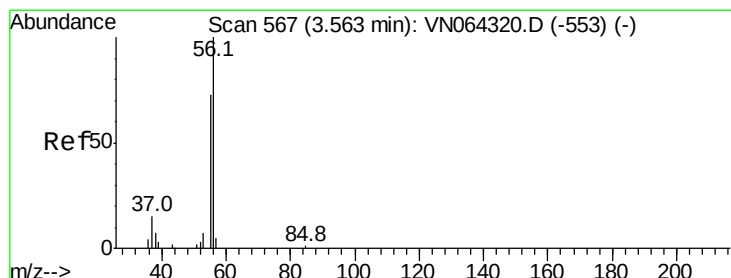
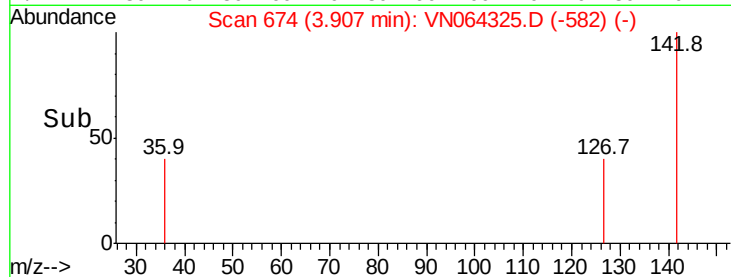
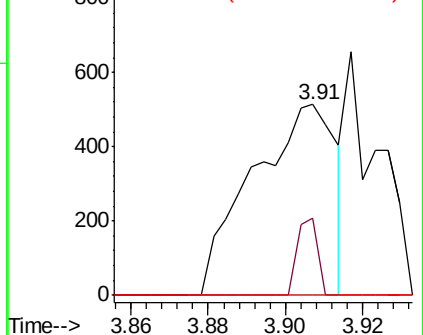
#10
Methvl Iodide
Concen: 0.212 ug/l
RT: 3.91 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion:142 Resp: 768
Ion Ratio Lower Upper
142 100
127 9.9 43.3 64.9#
141 0.0 11.5 17.3#

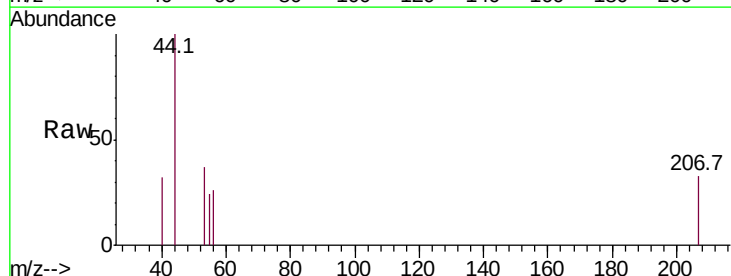


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

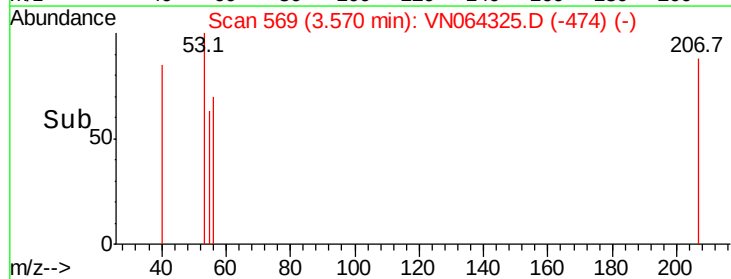
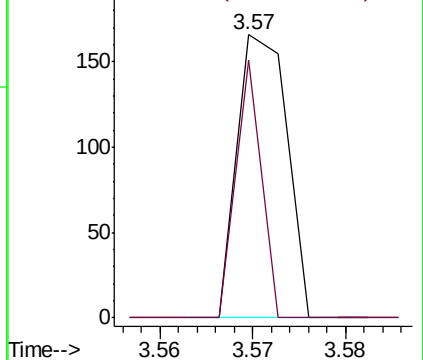


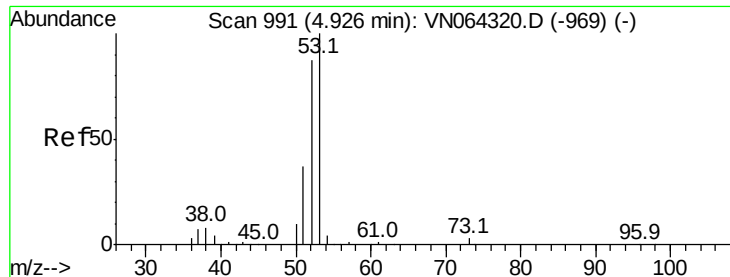
#13
Acrolein
Concen: 0.428 ug/l
RT: 3.57 min Scan# 569
Delta R.T. 0.01 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 46.8 62.6 94.0#



Abundance Ion 56.00 (55.70 to 56.70): V
Ion 55.00 (54.70 to 55.70): V





#15

Acrylonitrile

Concen: 0.871 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

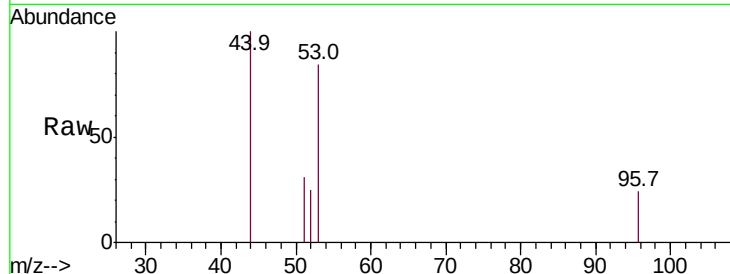
Tot Ion: 53 Resp: 1173

Ion Ratio Lower Upper

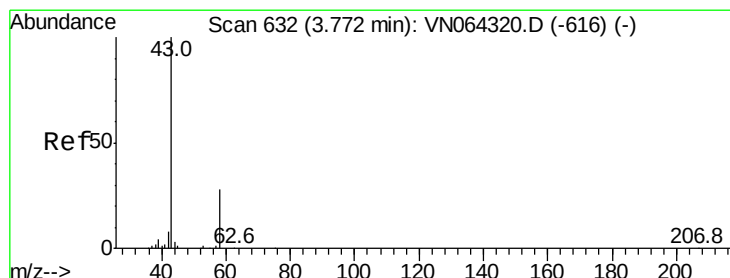
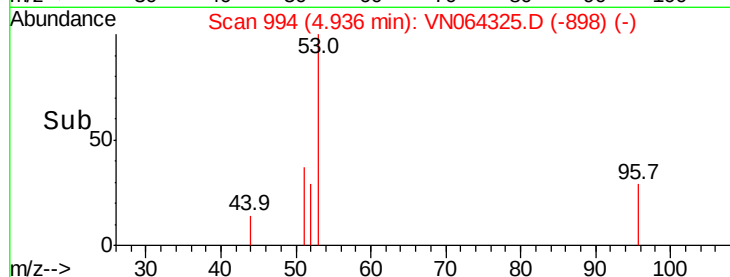
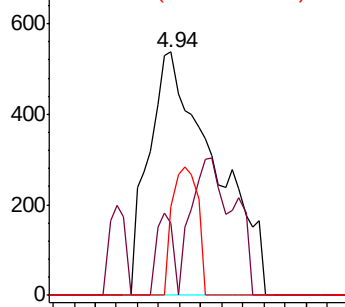
53 100

52 8.1 65.9 98.9#

51 20.1 30.4 45.6#



Abundance Ion 53.00 (52.70 to 53.70): VN064325.D (-898) (-)



#16

Acetone

Concen: 1.736 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN064325.D

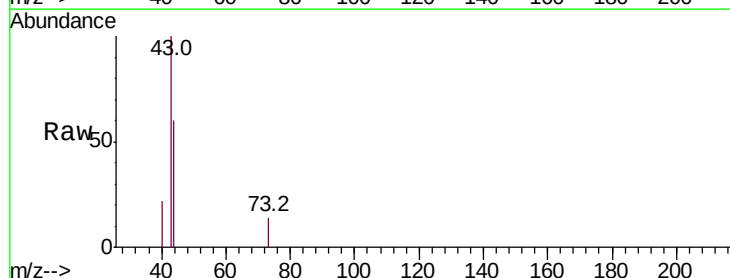
Acq: 27 Oct 2020 14:53

Tgt Ion: 43 Resp: 2730

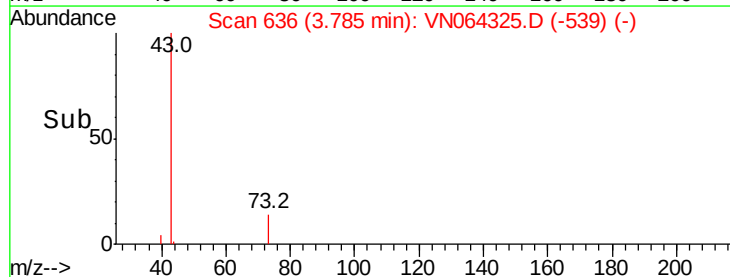
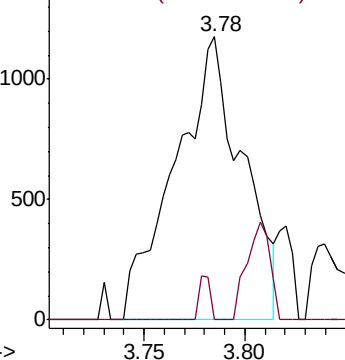
Ion Ratio Lower Upper

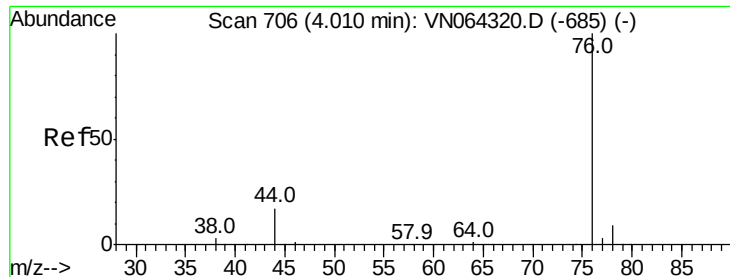
43 100

58 0.0 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN064325.D (-539) (-)

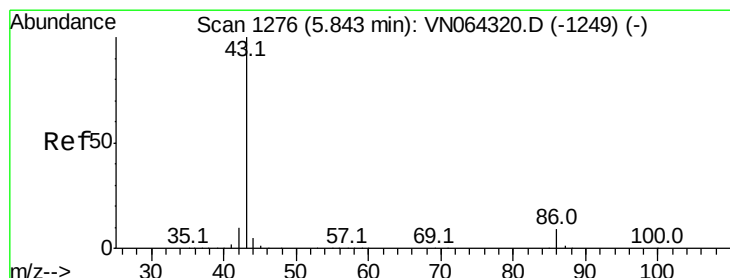
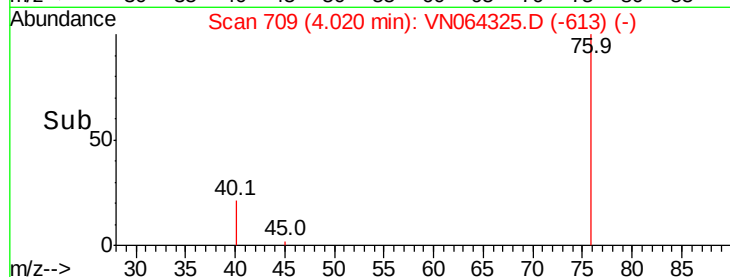
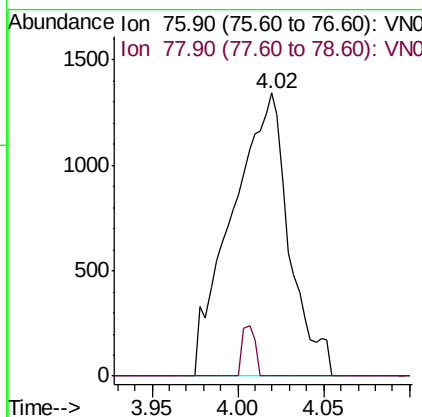
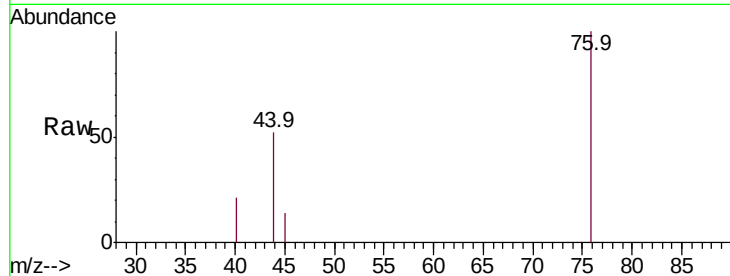




#17
Carbon Disulfide
Concen: 0.409 ug/l
RT: 4.02 min Scan# 709
Delta R.T. 0.01 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

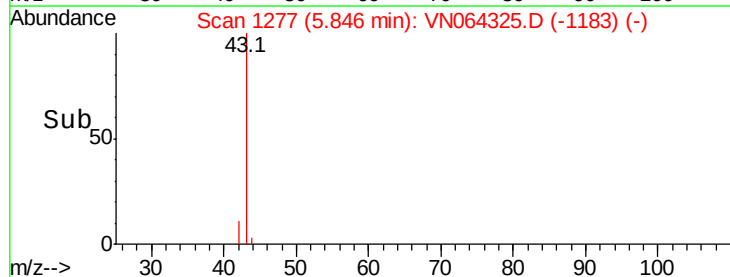
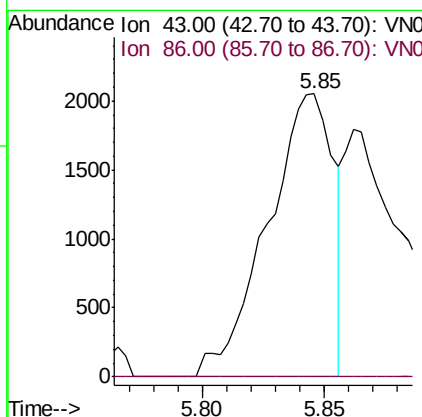
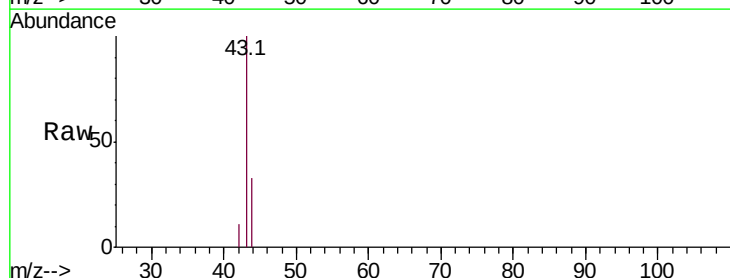
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

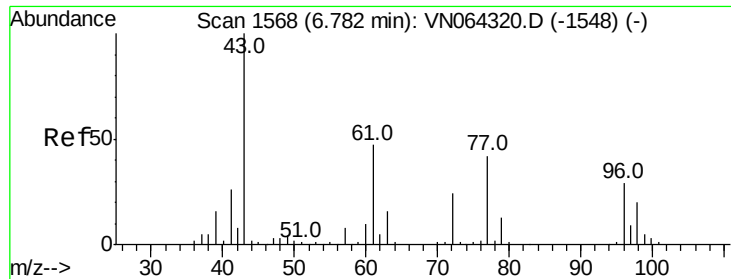
Tot Ion: 76 Resp: 3104
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#23
Vinyl Acetate
Concen: 0.443 ug/l
RT: 5.85 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Tgt Ion: 43 Resp: 3837
Ion Ratio Lower Upper
43 100
86 0.0 7.3 10.9#





#25

2-Butanone

Concen: 0.624 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

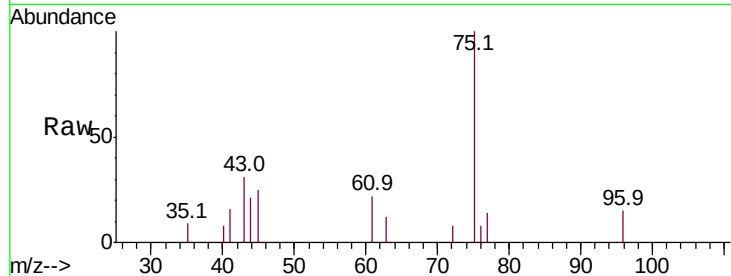
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 1352

Ion Ratio Lower Upper

43 100

72 25.1 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

800

600

400

200

0

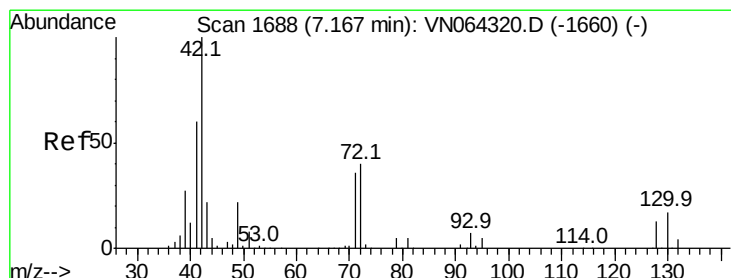
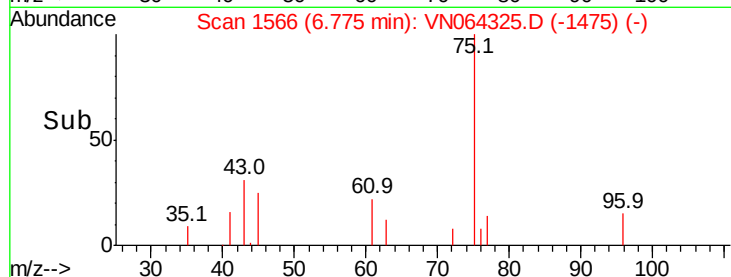
6.74

6.76

6.78

6.80

Time-->



#29

Tetrahydrofuran

Concen: 0.282 ug/l

RT: 7.16 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

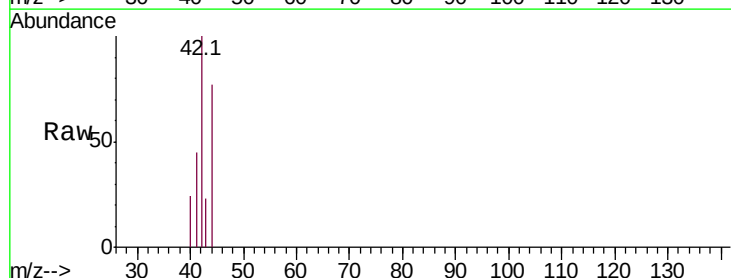
Tgt Ion: 42 Resp: 396

Ion Ratio Lower Upper

42 100

72 0.0 31.6 47.4#

71 15.9 29.4 44.0#



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

800

600

400

200

0

7.13

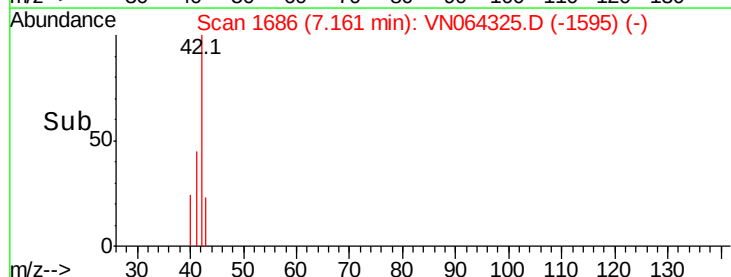
7.14

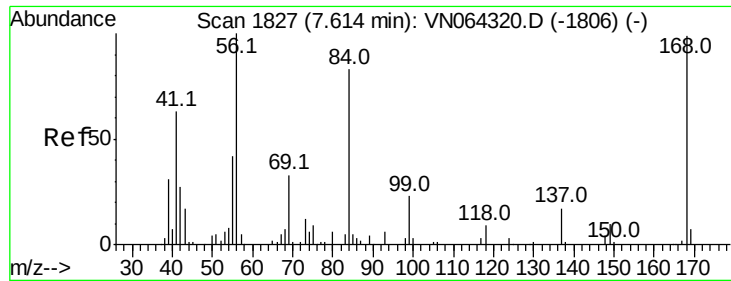
7.15

7.16

7.17

Time-->

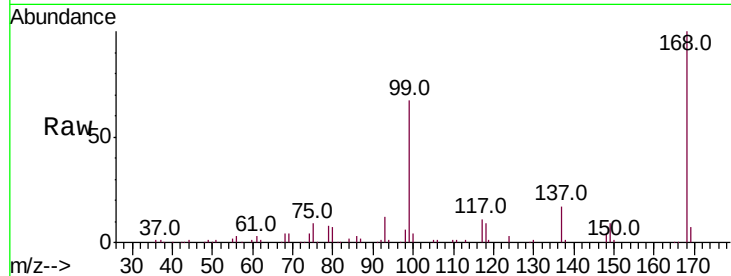




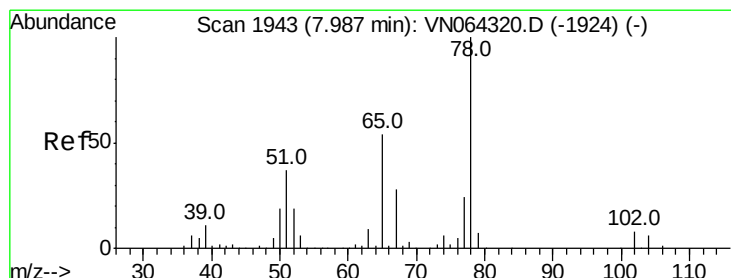
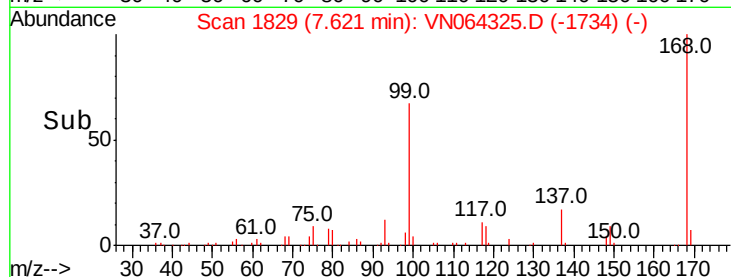
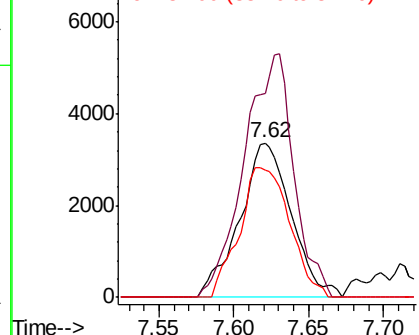
#31
Cyclohexane
Concen: 1.609 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 56 Resp: 8054
Ion Ratio Lower Upper
56 100
69 132.5 25.8 38.8#
84 82.6 66.3 99.5

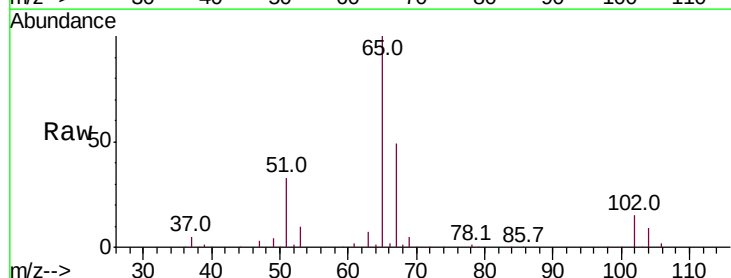


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

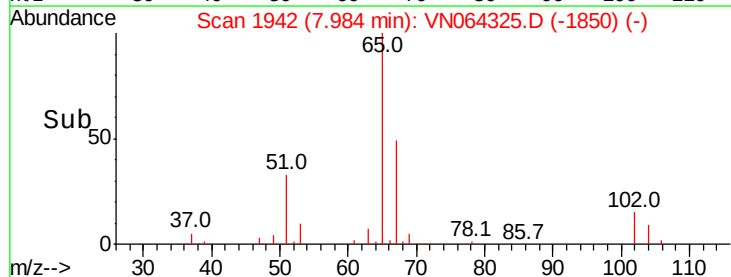
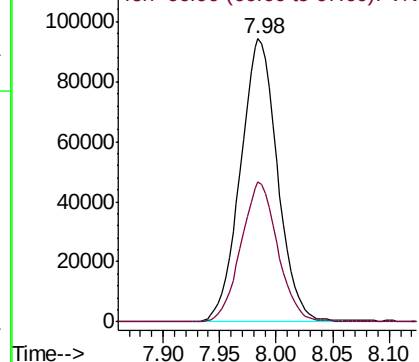


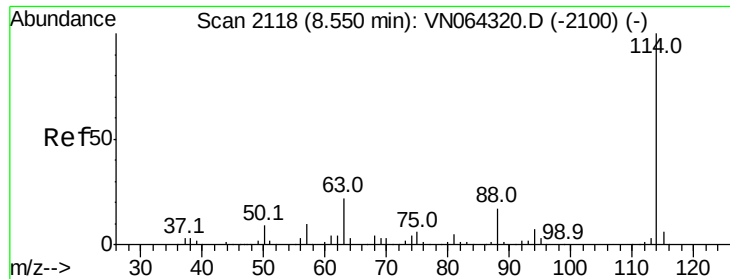
#33
1,2-Dichloroethane-d4
Concen: 49.877 ug/l
RT: 7.98 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Tgt Ion: 65 Resp: 215101
Ion Ratio Lower Upper
65 100
67 49.0 0.0 99.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

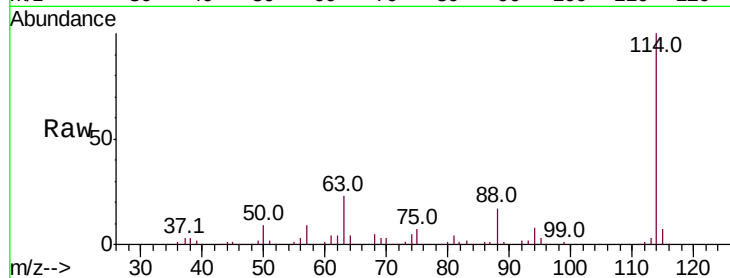




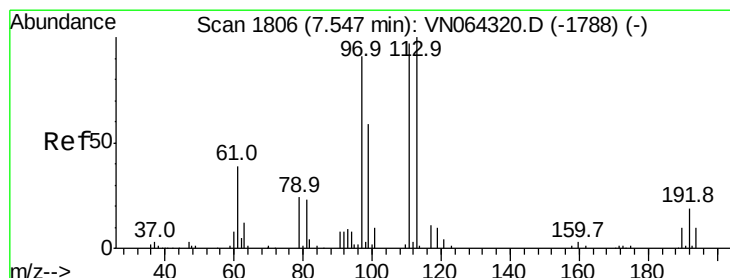
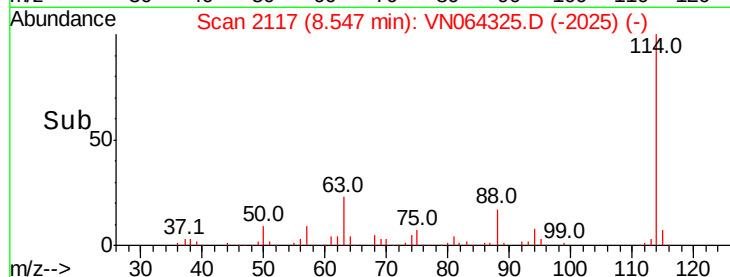
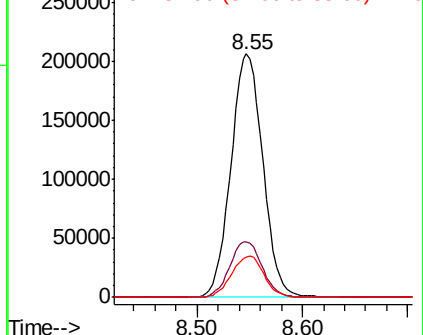
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064325.D
 Acq: 27 Oct 2020 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion:	114	Resp:	433295
Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	44.6
88	16.7	0.0	33.4

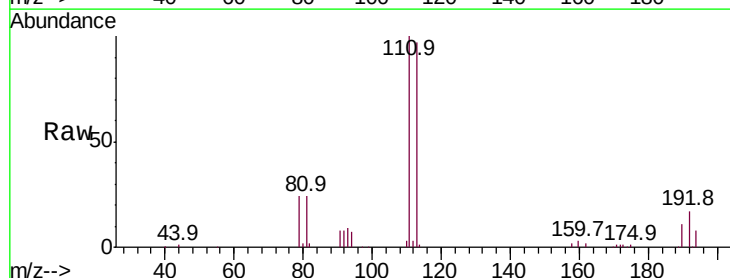


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

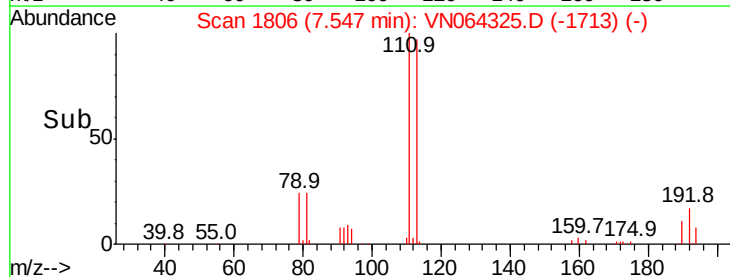
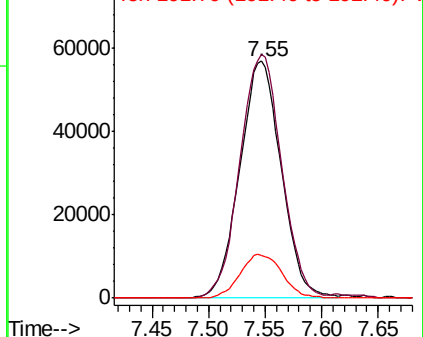


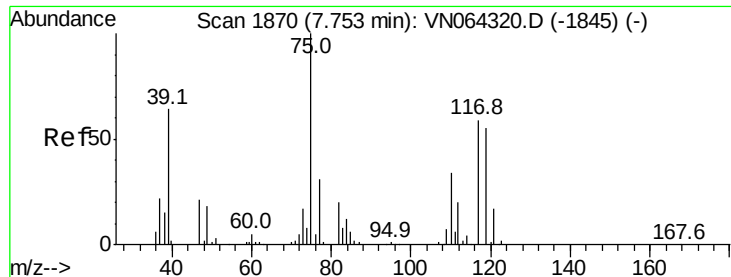
#35
 Dibromofluoromethane
 Concen: 50.249 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VN064325.D
 Acq: 27 Oct 2020 14:53

Tgt Ion:	113	Resp:	145195
Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.5	122.3
192	18.8	15.0	22.4



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.264 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

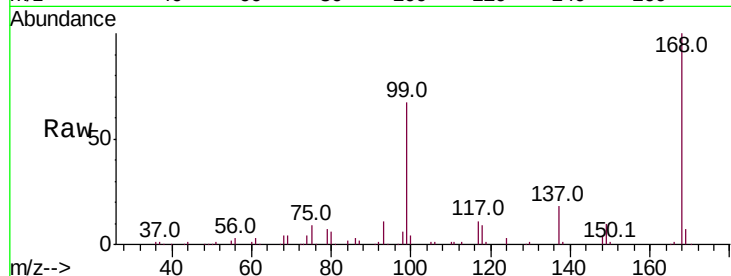
Tot Ion: 75 Resp: 23018

Ion Ratio Lower Upper

75 100

110 2.6 16.8 50.3#

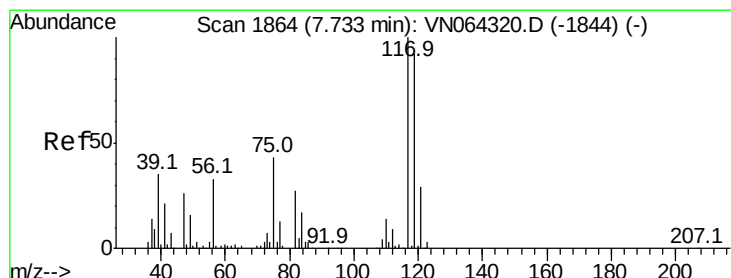
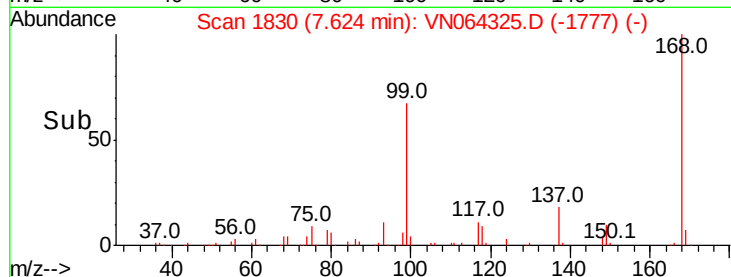
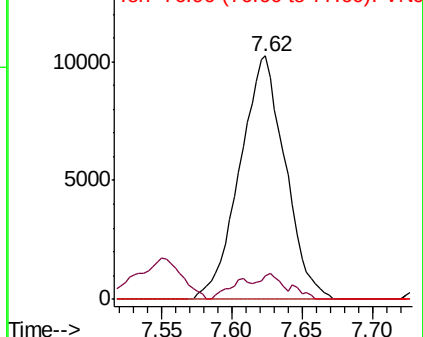
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VN064325.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN064325.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN064325.D (-1777) (-)



#38

Carbon Tetrachloride

Concen: 6.043 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

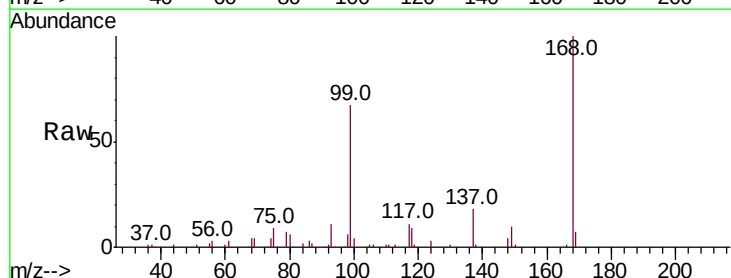
Tgt Ion: 117 Resp: 30637

Ion Ratio Lower Upper

117 100

119 5.5 73.7 110.5#

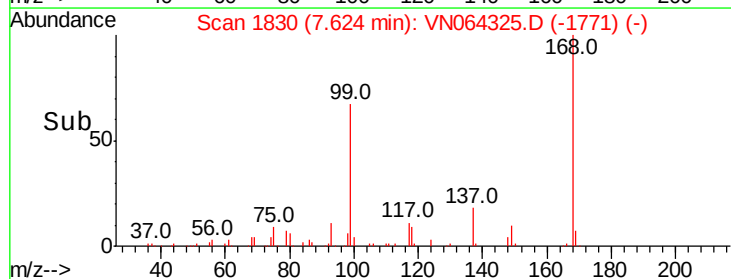
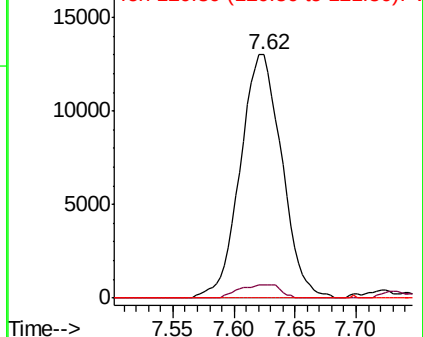
121 0.0 22.8 34.2#

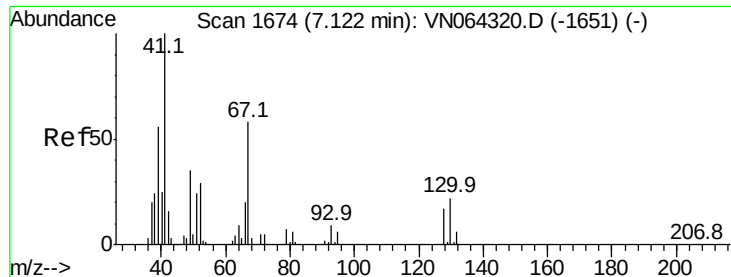


Abundance Ion 116.80 (116.50 to 117.50): VN064325.D (-1771) (-)

Ion 118.80 (118.50 to 119.50): VN064325.D (-1771) (-)

Ion 120.80 (120.50 to 121.50): VN064325.D (-1771) (-)





#41

Methacrylonitrile

Concen: 0.267 ug/l

RT: 7.14 min Scan# 1679

Delta R.T. 0.02 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 41 Resp: 586

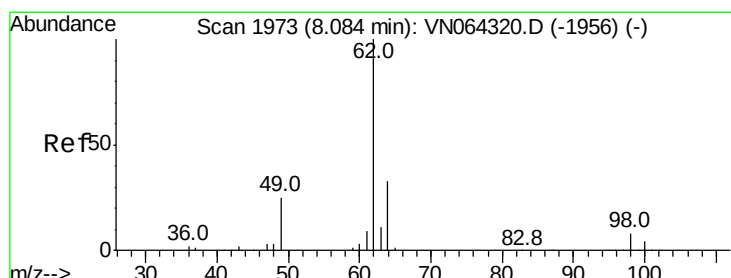
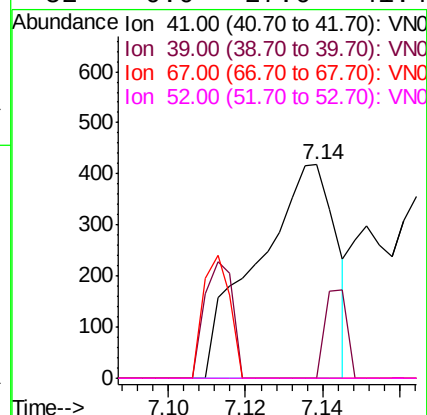
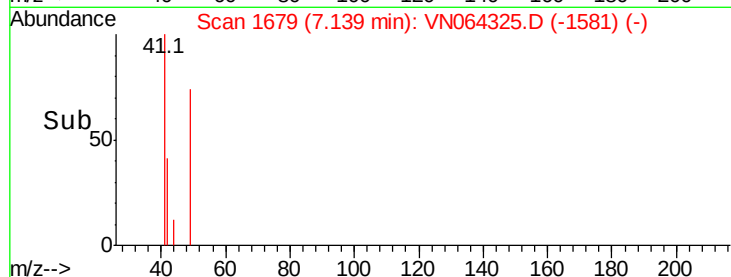
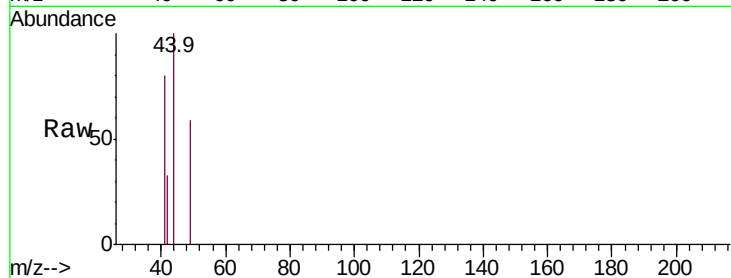
Ion Ratio Lower Upper

41 100

39 11.3 48.6 72.8#

67 0.0 61.4 92.2#

52 0.0 27.6 41.4#



#42

1,2-Dichloroethane

Concen: 0.277 ug/l

RT: 8.09 min Scan# 1975

Delta R.T. 0.01 min

Lab File: VN064325.D

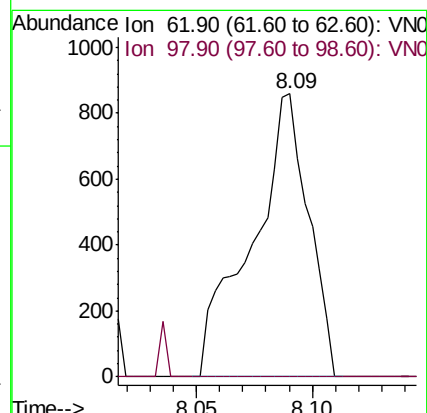
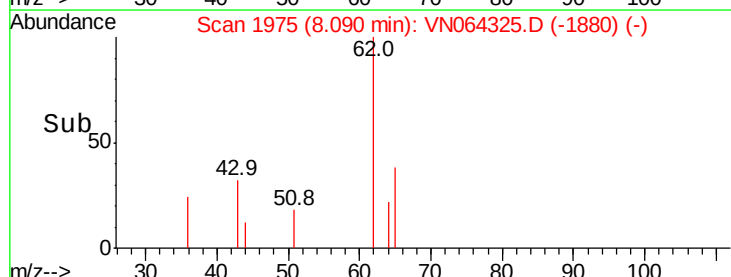
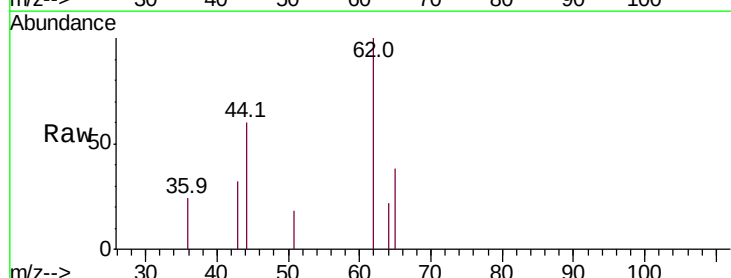
Acq: 27 Oct 2020 14:53

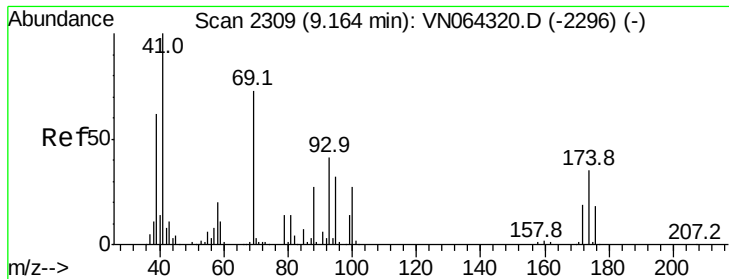
Tgt Ion: 62 Resp: 1457

Ion Ratio Lower Upper

62 100

98 0.0 0.0 14.2

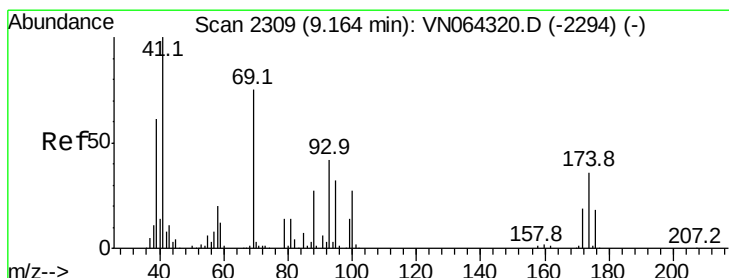
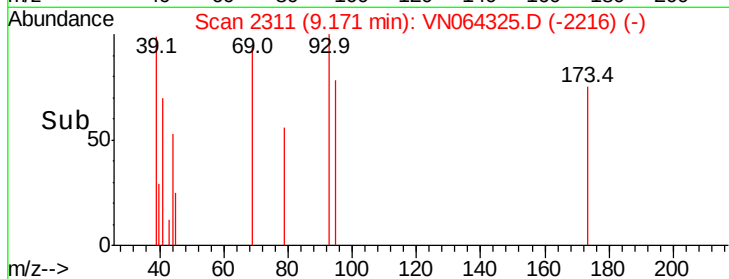
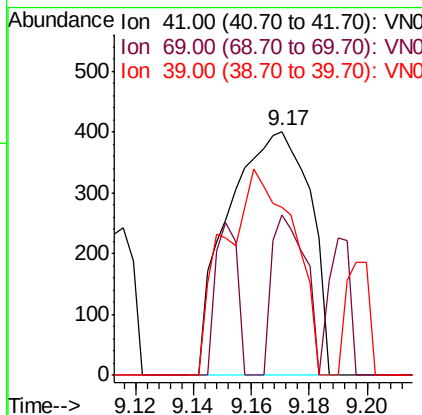
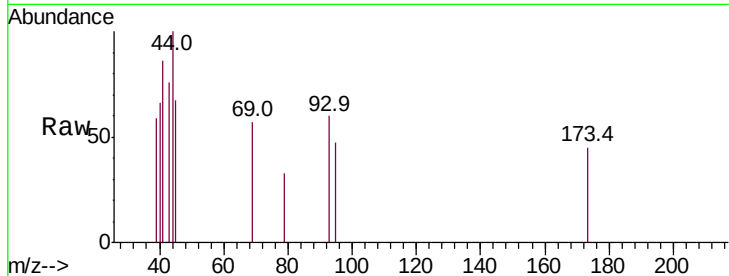




#48
Methvl methacrylate
Concen: 0.202 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

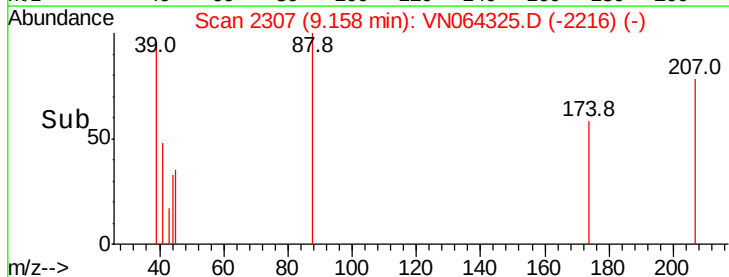
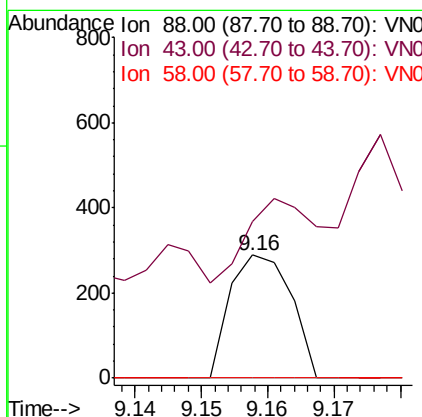
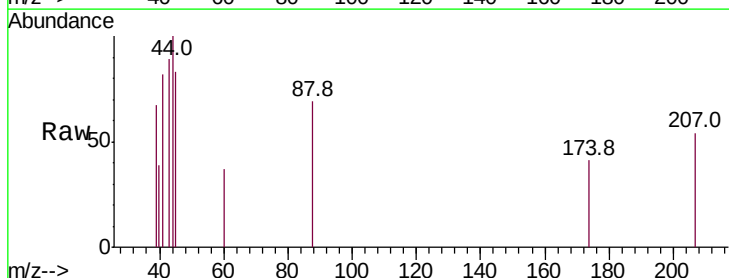
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

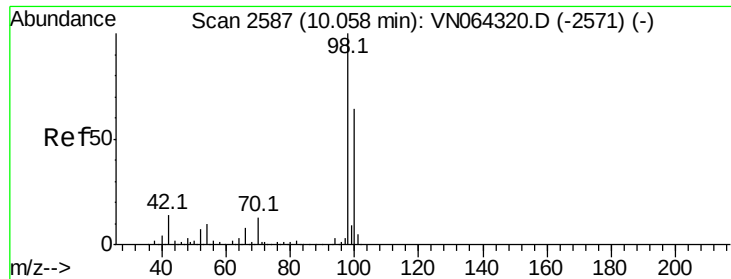
Tot Ion: 41 Resp: 785
Ion Ratio Lower Upper
41 100
69 27.3 59.1 88.7#
39 72.0 51.3 76.9



#49
1,4-Dioxane
Concen: 3.239 ug/l
RT: 9.16 min Scan# 2307
Delta R.T. -0.01 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Tgt Ion: 88 Resp: 186
Ion Ratio Lower Upper
88 100
43 86.6 31.8 47.8#
58 0.0 60.3 90.5#





#50

Toluene-d8

Concen: 48.476 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

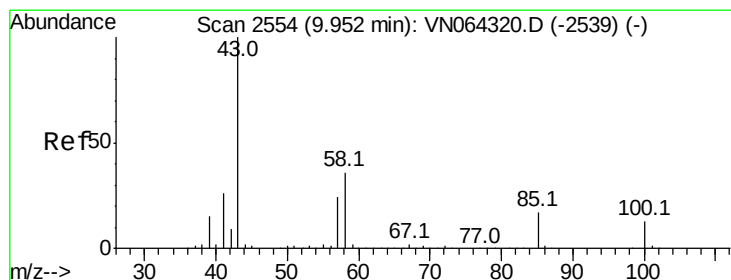
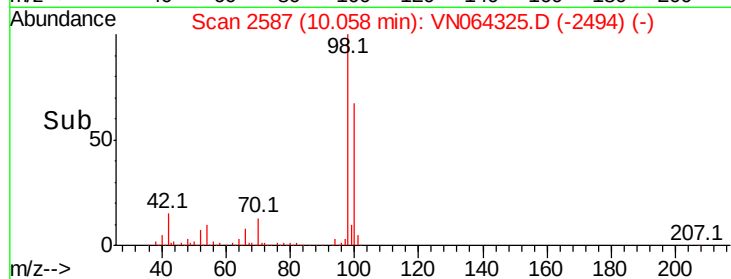
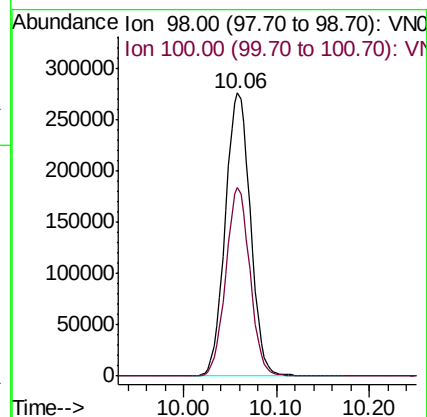
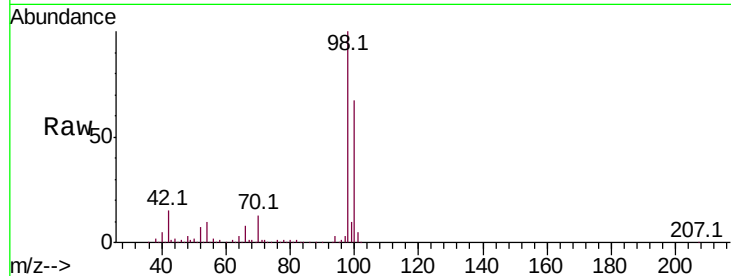
MDL-WATER-03-QT4-2020

Tot Ion: 98 Resp: 518119

Ion Ratio Lower Upper

98 100

100 64.2 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.839 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064325.D

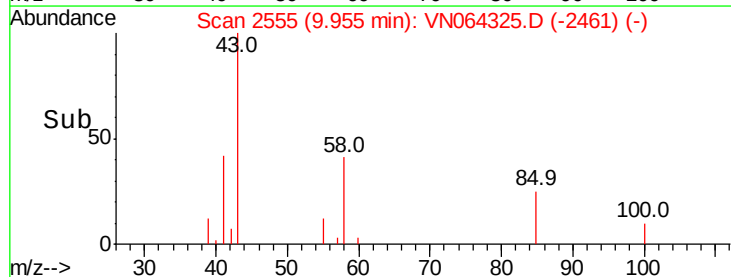
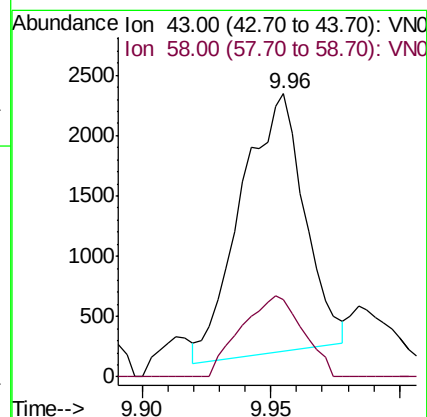
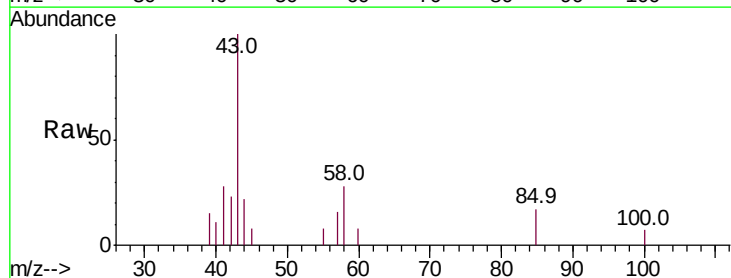
Acq: 27 Oct 2020 14:53

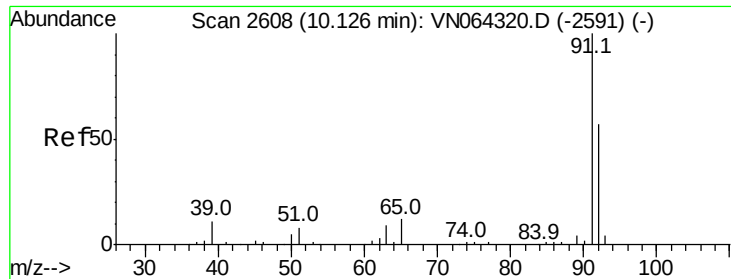
Tgt Ion: 43 Resp: 3684

Ion Ratio Lower Upper

43 100

58 30.7 28.6 42.8





#52

Toluene

Concen: 0.210 ug/l

RT: 10.13 min Scan# 2609

Delta R.T. 0.00 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

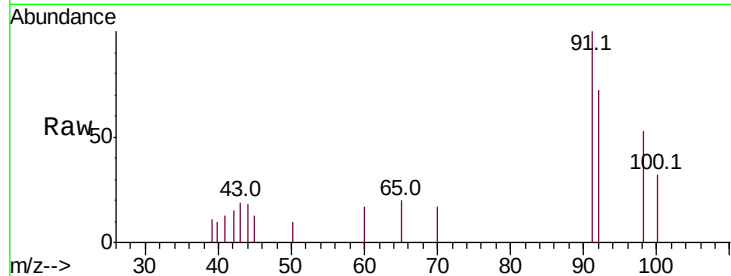
MDL-WATER-03-QT4-2020

Tot Ion: 92 Resp: 1613

Ion Ratio Lower Upper

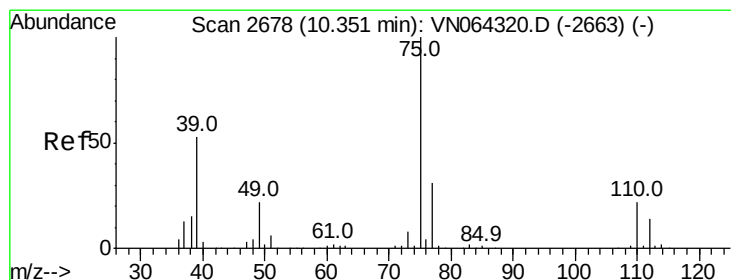
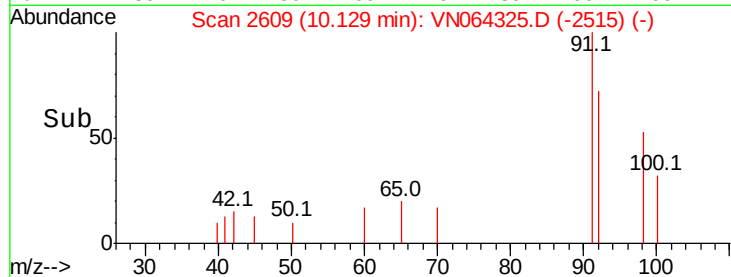
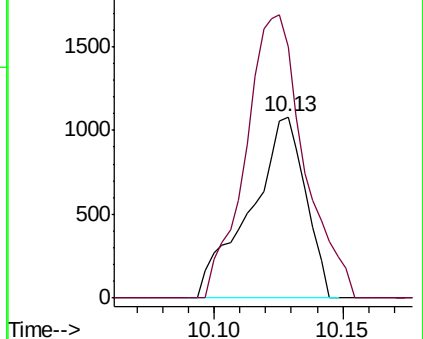
92 100

91 166.2 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN064325.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN064325.D (-2591) (-)



#53

t-1,3-Dichloropropene

Concen: 0.209 ug/l

RT: 10.35 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN064325.D

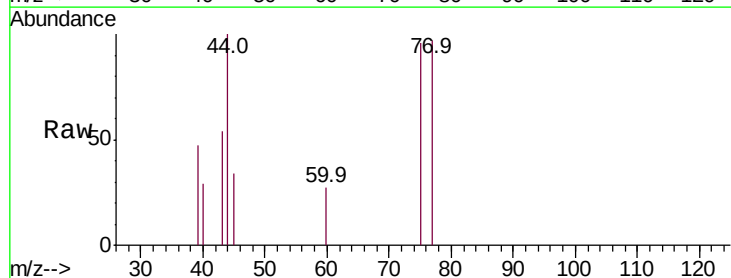
Acq: 27 Oct 2020 14:53

Tgt Ion: 75 Resp: 1118

Ion Ratio Lower Upper

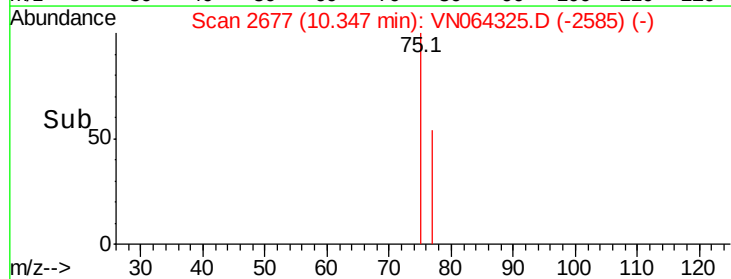
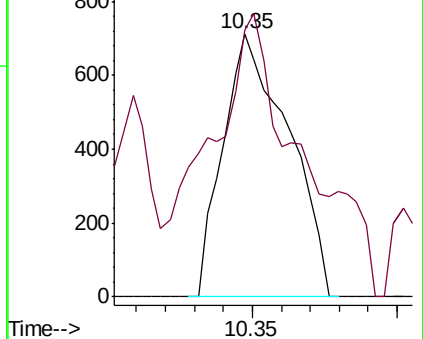
75 100

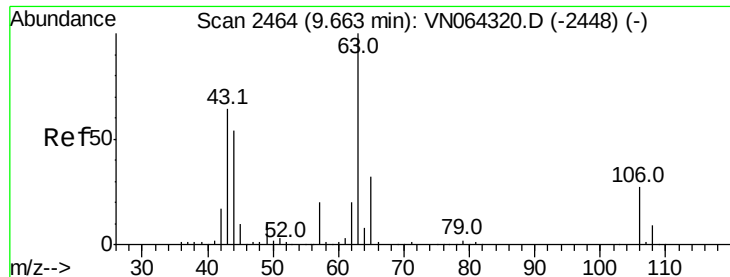
77 61.3 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VN064325.D (-2585) (-)

Ion 76.90 (76.60 to 77.60): VN064325.D (-2585) (-)





#58

2-Chloroethyl Vinyl ether

Concen: 0.775 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

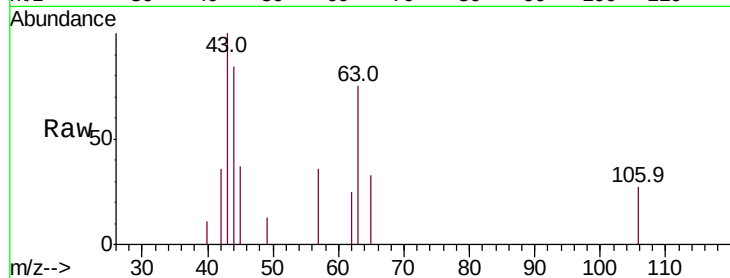
MDL-WATER-03-QT4-2020

Tot Ion: 63 Resp: 1942

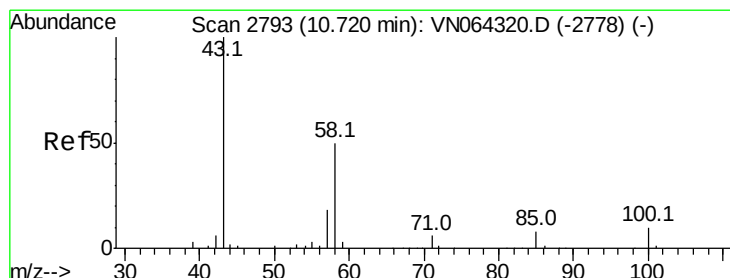
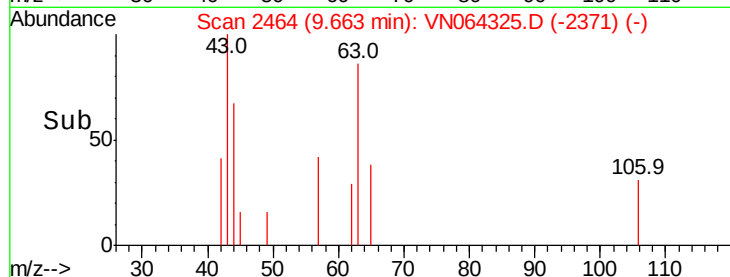
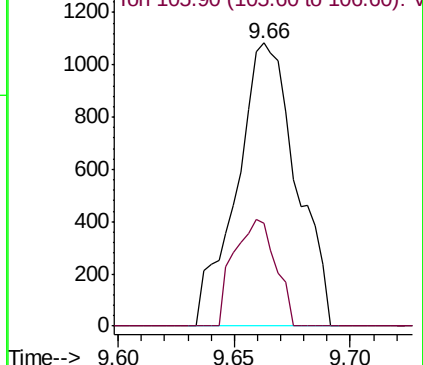
Ion Ratio Lower Upper

63 100

106 26.3 21.0 31.4



Abundance Ion 62.90 (62.60 to 63.60): VN064325.D (-2371) (-)



#59

2-Hexanone

Concen: 0.576 ug/l

RT: 10.72 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN064325.D

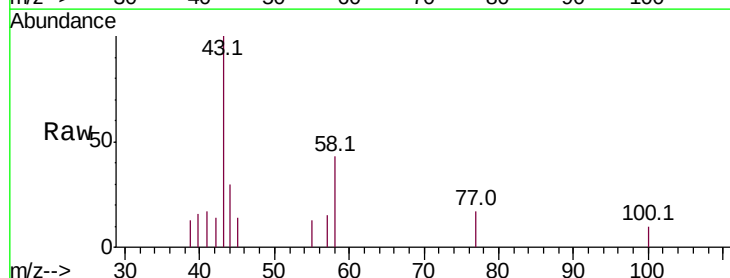
Acq: 27 Oct 2020 14:53

Tgt Ion: 43 Resp: 1861

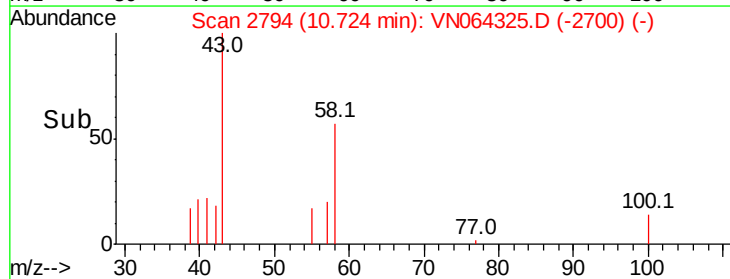
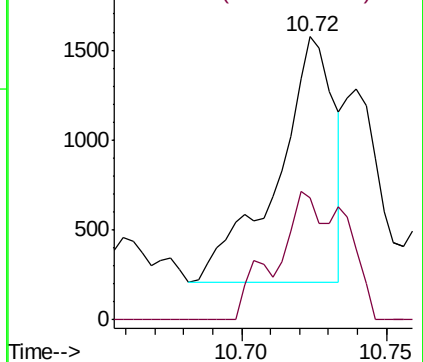
Ion Ratio Lower Upper

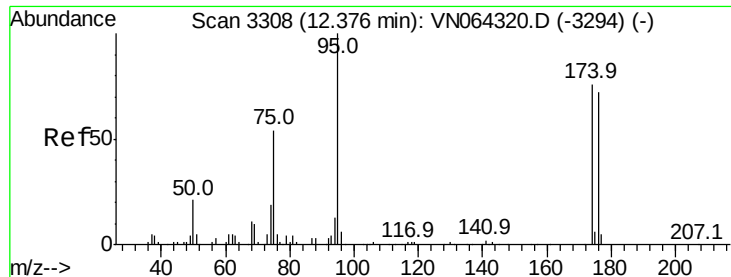
43 100

58 45.1 25.0 75.0



Abundance Ion 43.00 (42.70 to 43.70): VN064325.D (-2700) (-)

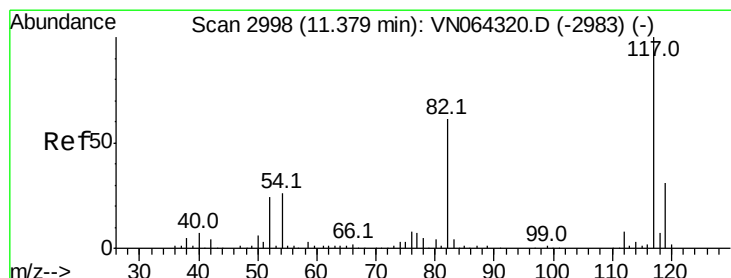
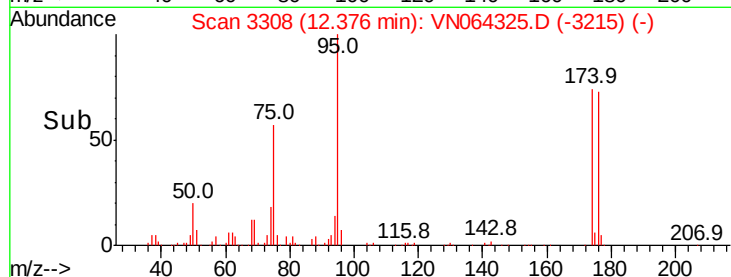
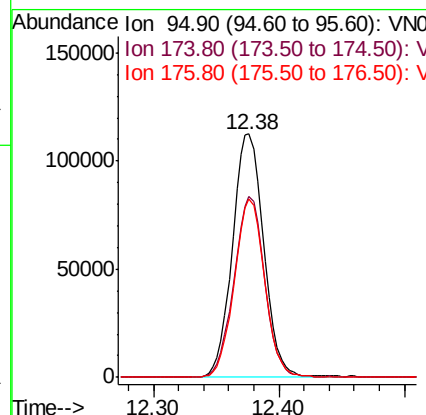
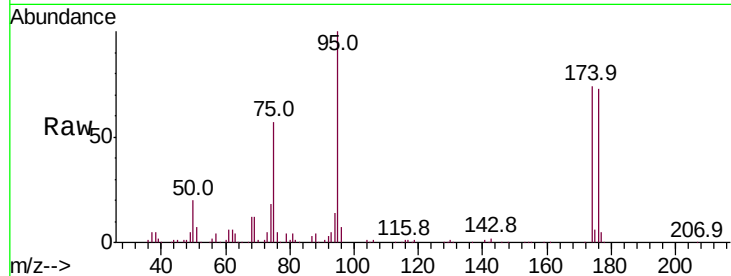




#62
4-Bromofluorobenzene
Concen: 46.787 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

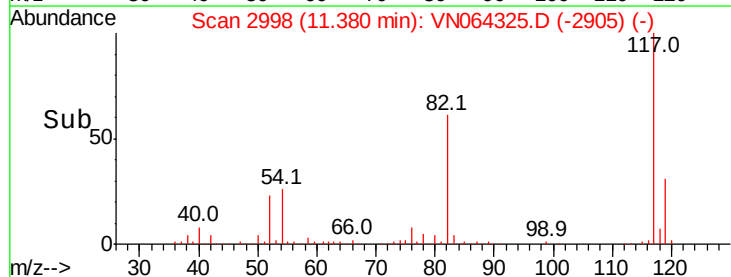
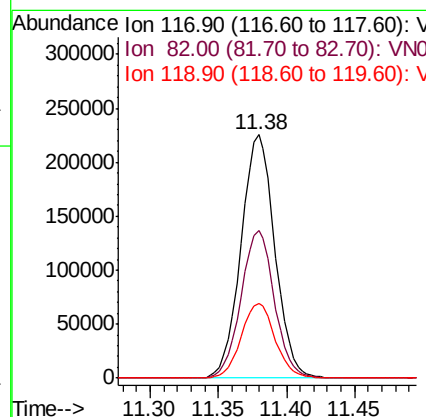
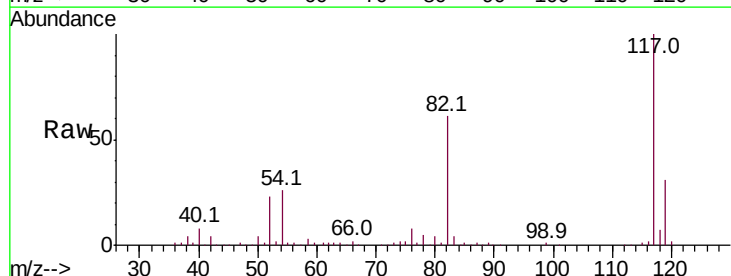
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

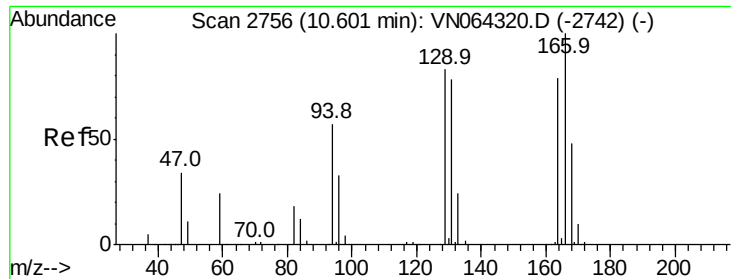
Tot Ion	95	Resp	194969
Ion Ratio	Lower	Upper	
95	100		
174	72.6	0.0	147.4
176	70.8	0.0	143.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Tgt Ion	117	Resp	388412
Ion Ratio	Lower	Upper	
117	100		
82	60.6	48.8	73.2
119	30.8	25.1	37.7





#64

Tetrachloroethene

Concen: 0.262 ug/l

RT: 10.59 min Scan# 2754

Delta R.T. -0.01 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:164 Resp: 835

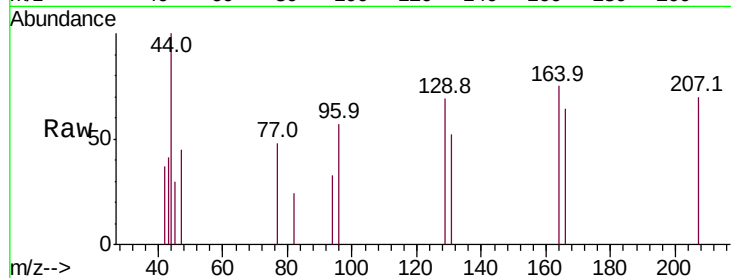
Ion Ratio Lower Upper

164 100

166 86.1 100.7 151.1#

129 92.8 83.7 125.5

131 69.5 78.2 117.2#



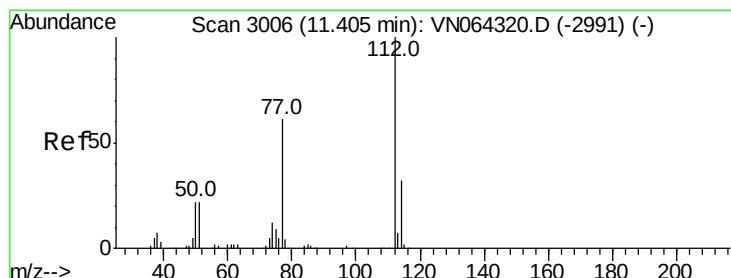
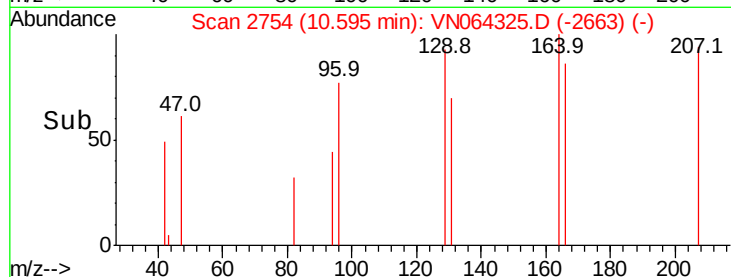
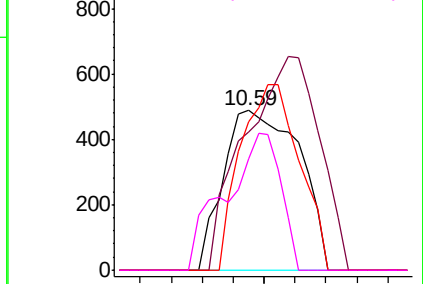
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.200 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064325.D

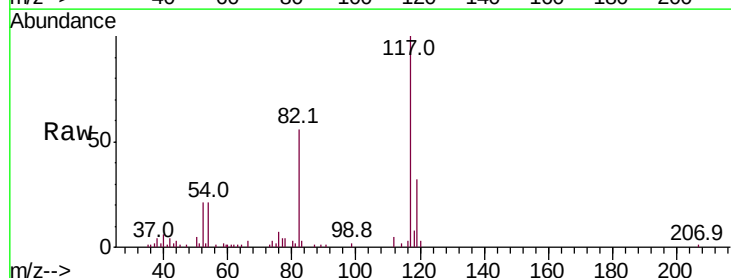
Acq: 27 Oct 2020 14:53

Tgt Ion:112 Resp: 1576

Ion Ratio Lower Upper

112 100

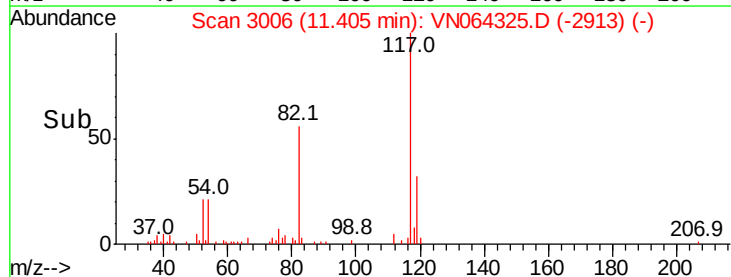
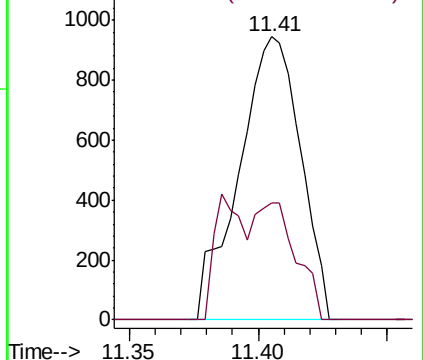
114 41.3 25.4 38.0#

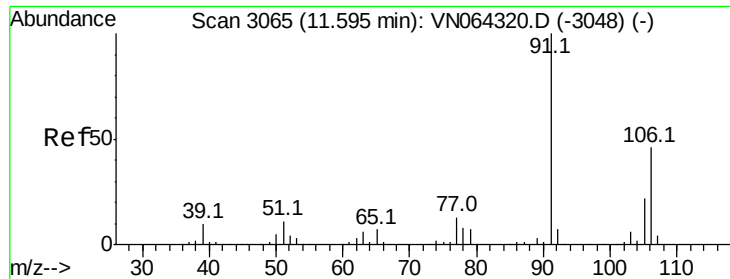


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

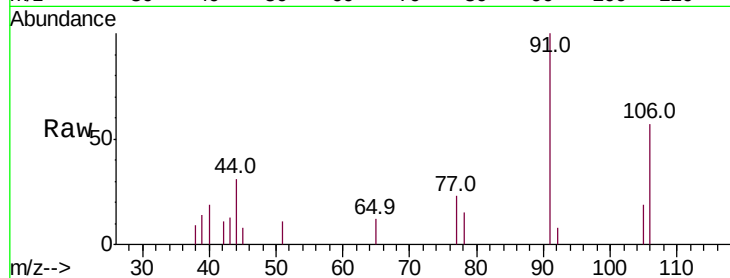




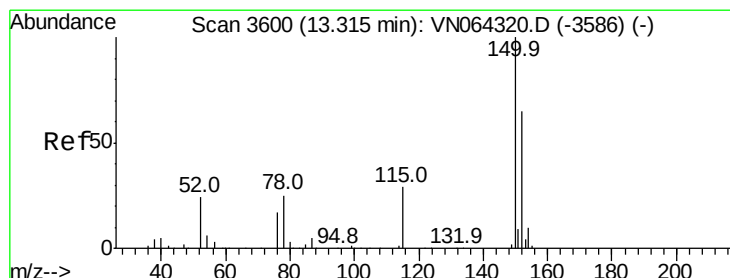
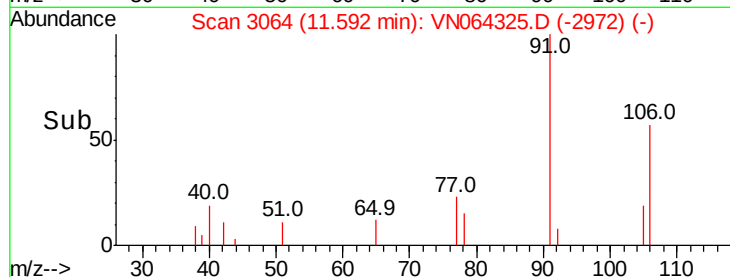
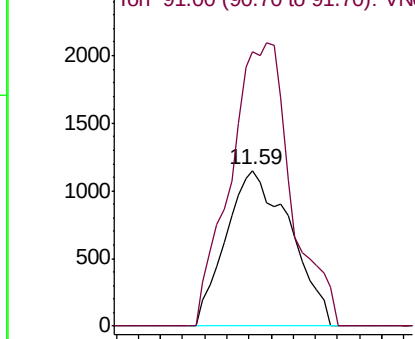
#68
m/p-Xylenes
Concen: 0.430 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion:106 Resp: 2335
Ion Ratio Lower Upper
106 100
91 171.5 170.2 255.4

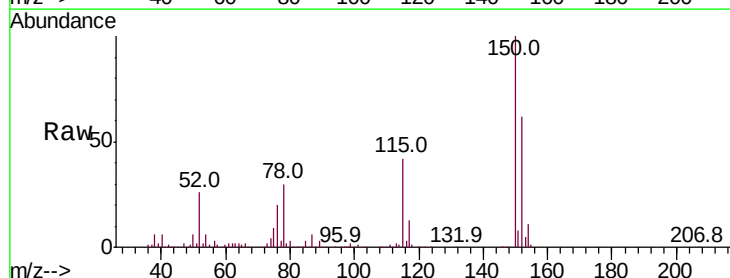


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

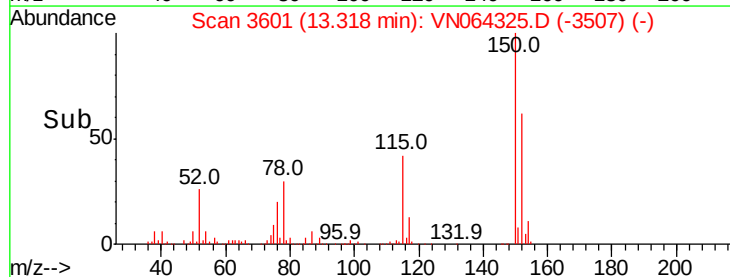
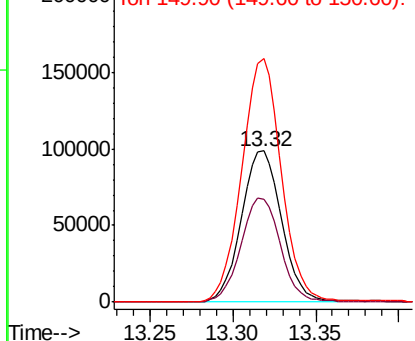


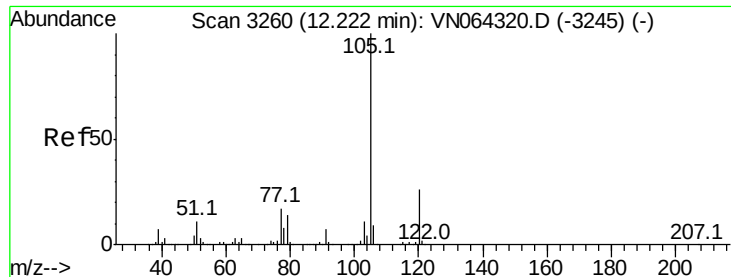
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Tgt Ion:152 Resp: 166690
Ion Ratio Lower Upper
152 100
115 68.0 31.5 94.5
150 158.8 0.0 346.2



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: 0.224 ug/l

RT: 12.22 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

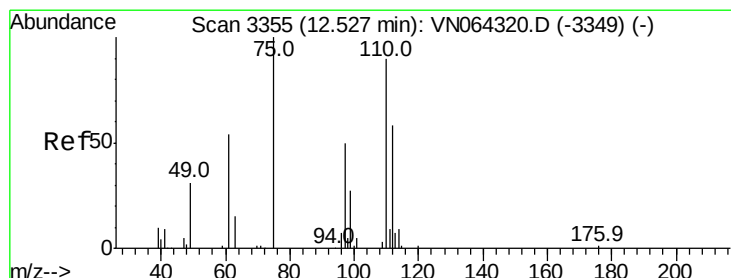
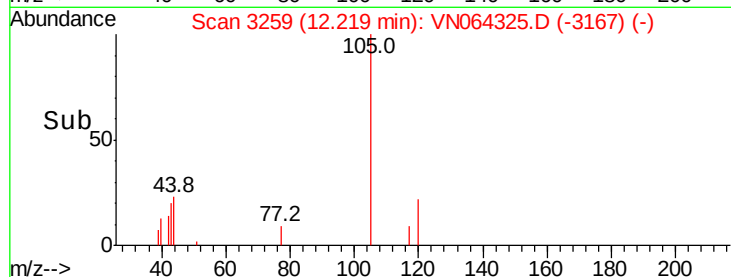
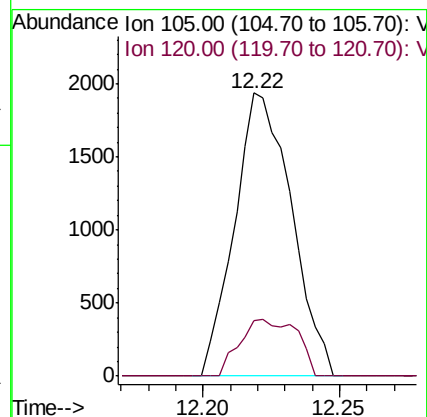
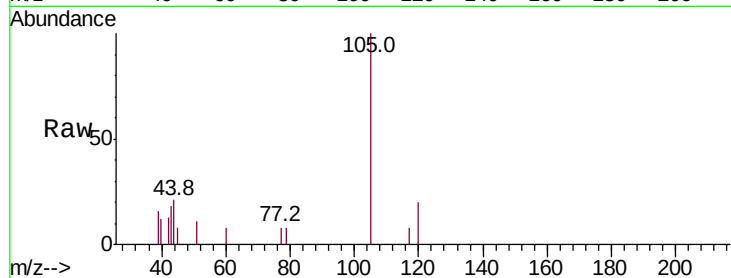
MDL-WATER-03-QT4-2020

Tot Ion:105 Resp: 2794

Ion Ratio Lower Upper

105 100

120 20.2 13.2 39.5



#76

1,2,3-Trichloropropane

Concen: 27.615 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064325.D

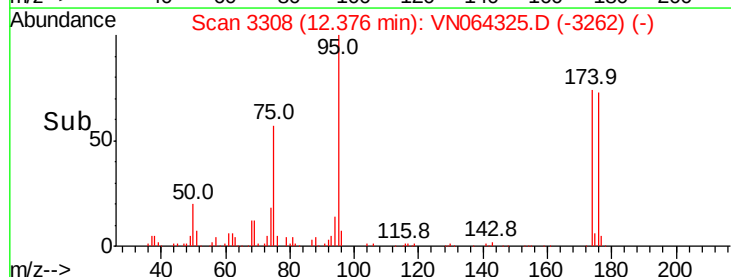
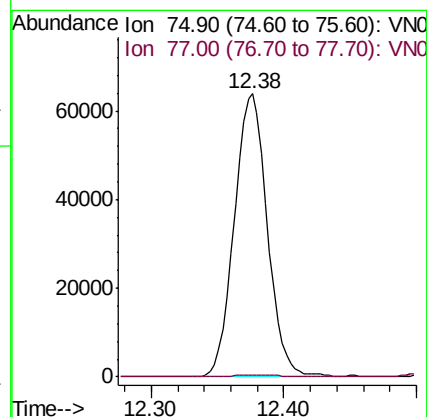
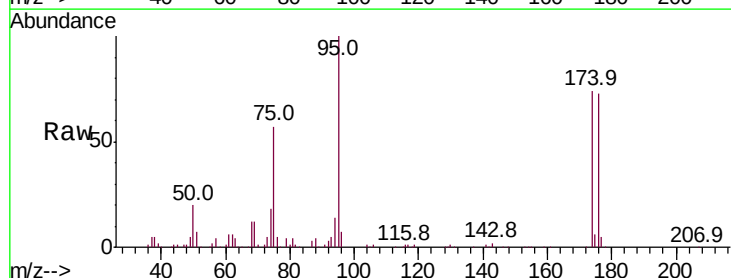
Acq: 27 Oct 2020 14:53

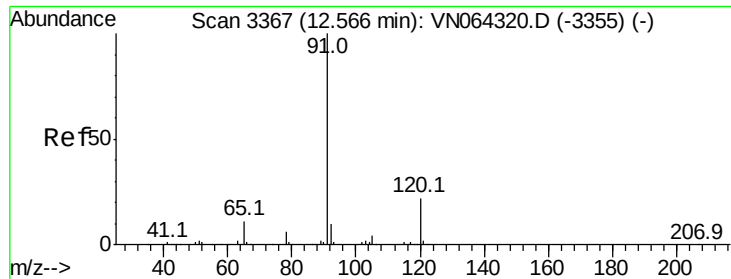
Tgt Ion: 75 Resp: 110232

Ion Ratio Lower Upper

75 100

77 0.5 0.0 0.0#





#78

n-propylbenzene

Concen: 0.213 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

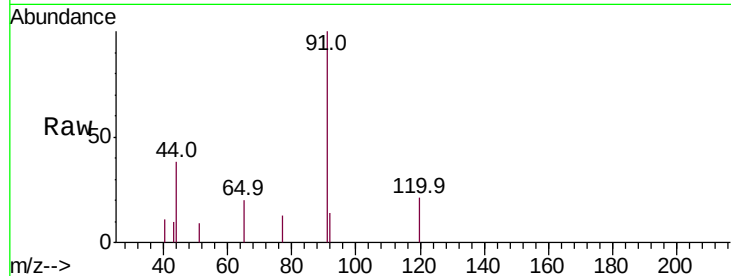
MDL-WATER-03-QT4-2020

Tot Ion: 91 Resp: 3005

Ion Ratio Lower Upper

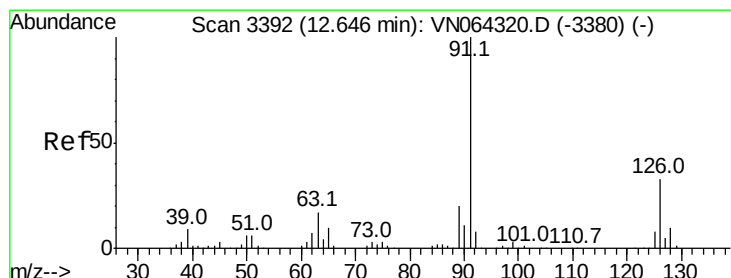
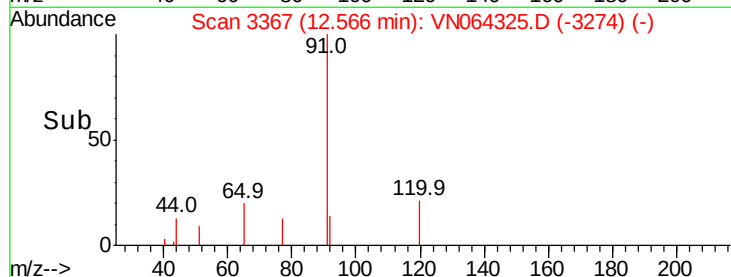
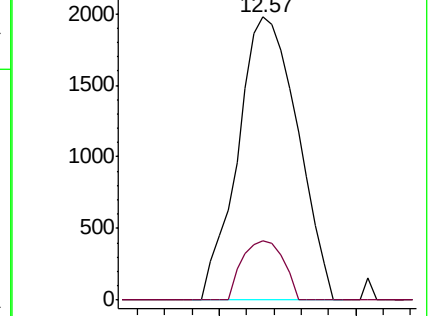
91 100

120 14.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.236 ug/l

RT: 12.65 min Scan# 3394

Delta R.T. 0.01 min

Lab File: VN064325.D

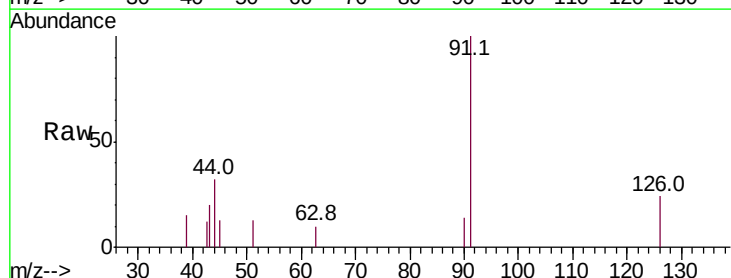
Acq: 27 Oct 2020 14:53

Tgt Ion: 91 Resp: 2135

Ion Ratio Lower Upper

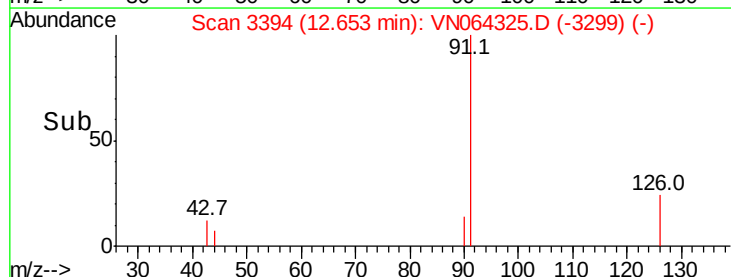
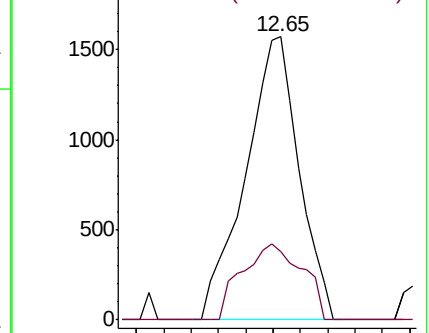
91 100

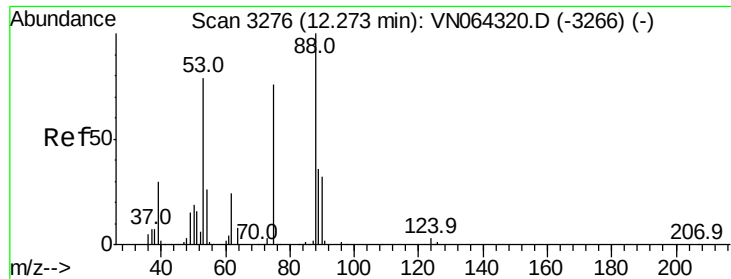
126 30.4 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 79.545 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

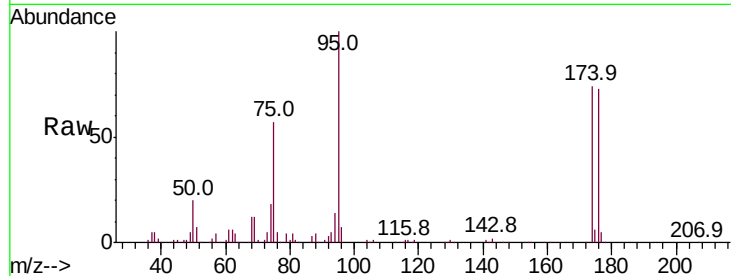
Tot Ion: 75 Resp: 110232

Ion Ratio Lower Upper

75 100

53 0.0 81.8 122.8#

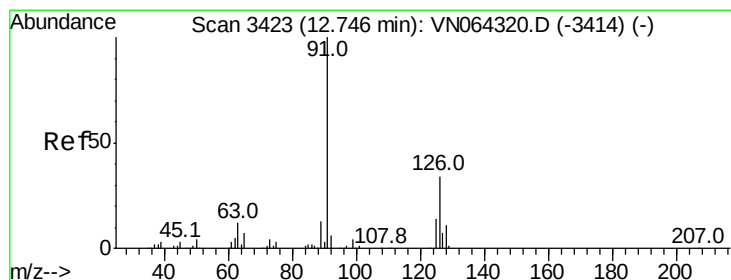
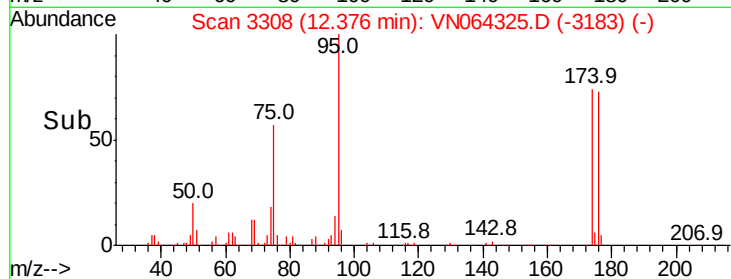
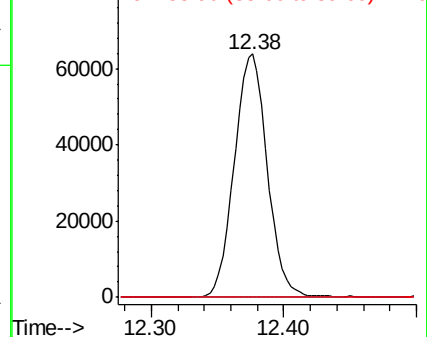
89 0.1 39.9 59.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.237 ug/l

RT: 12.75 min Scan# 3425

Delta R.T. 0.01 min

Lab File: VN064325.D

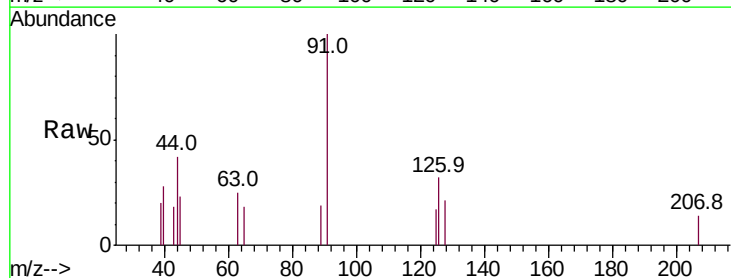
Acq: 27 Oct 2020 14:53

Tgt Ion: 91 Resp: 2186

Ion Ratio Lower Upper

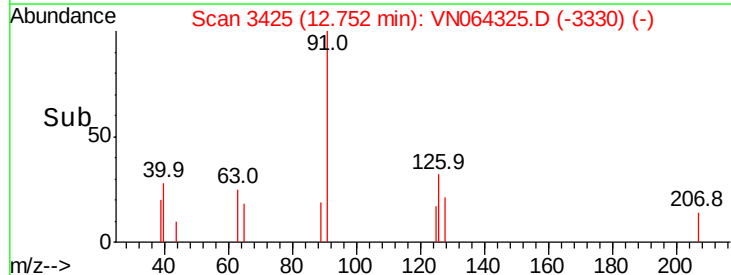
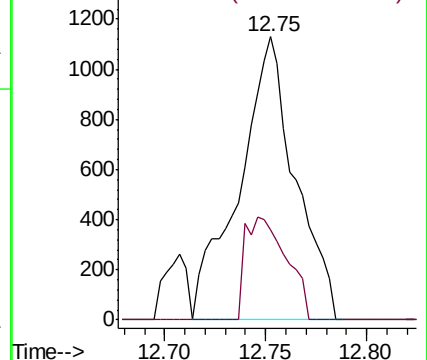
91 100

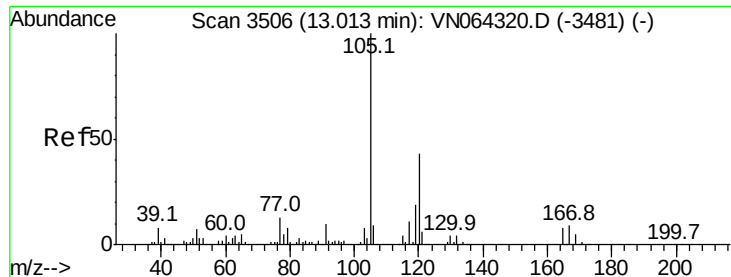
126 26.9 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#84

1,2,4-Trimethylbenzene

Concen: 0.212 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

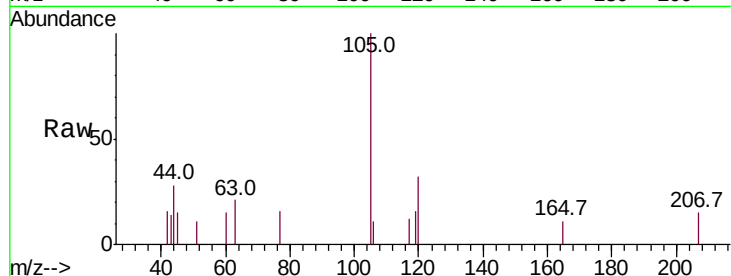
MDL-WATER-03-QT4-2020

Tot Ion:105 Resp: 2240

Ion Ratio Lower Upper

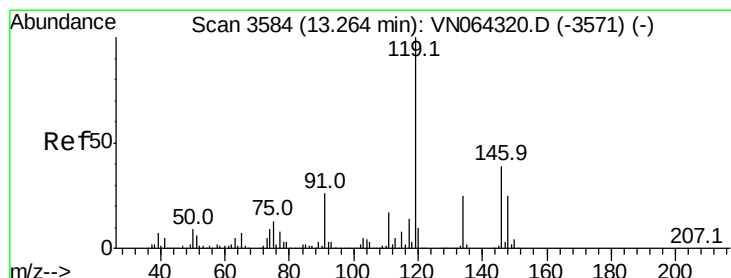
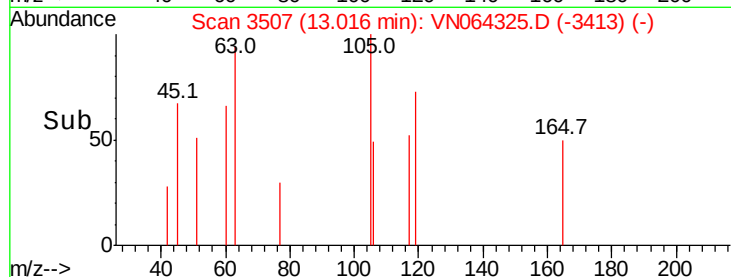
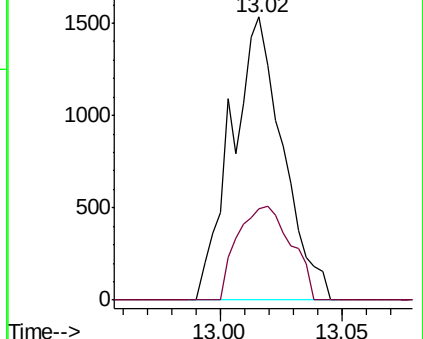
105 100

120 34.7 21.3 64.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#86

p-Isopropyltoluene

Concen: 0.214 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

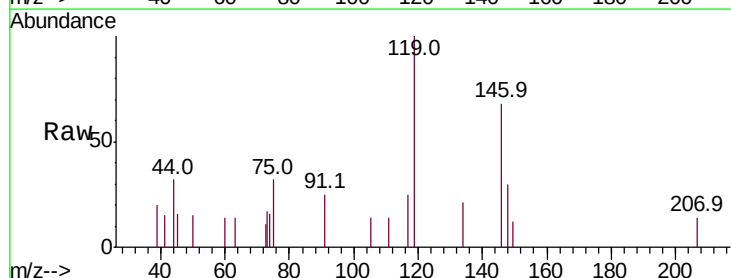
Tgt Ion:119 Resp: 2163

Ion Ratio Lower Upper

119 100

134 16.6 12.8 38.4

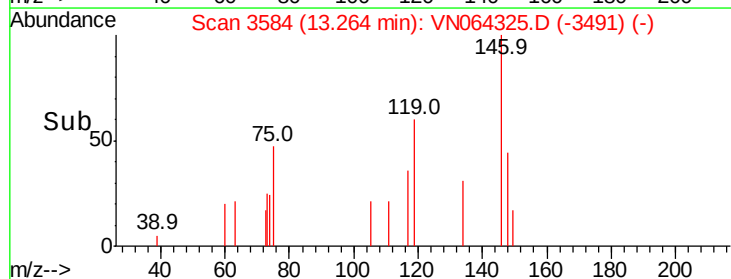
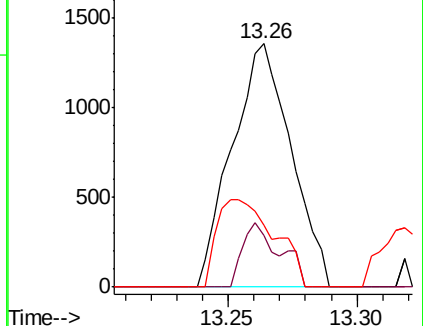
91 34.9 13.0 38.9

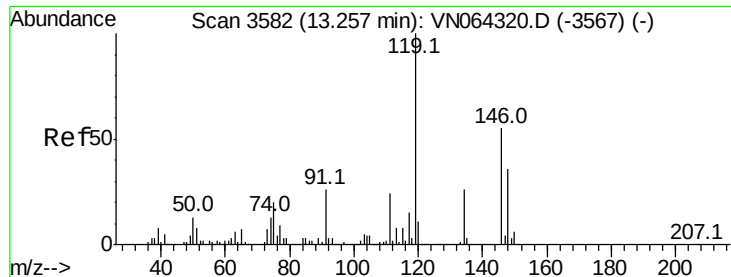


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

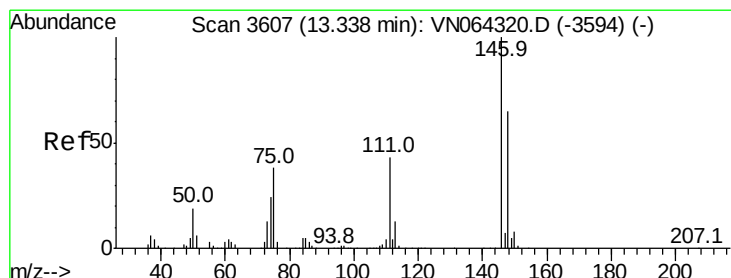
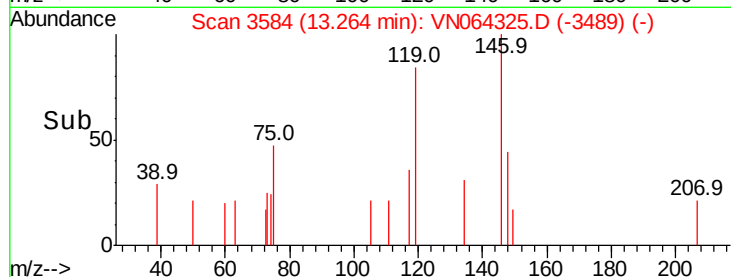
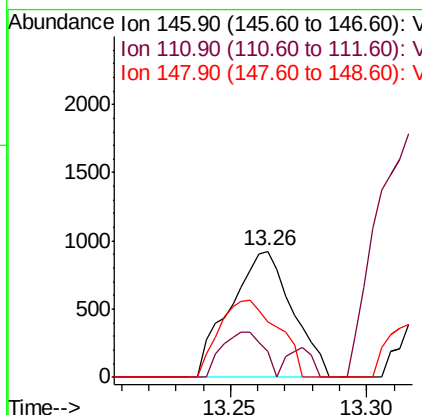
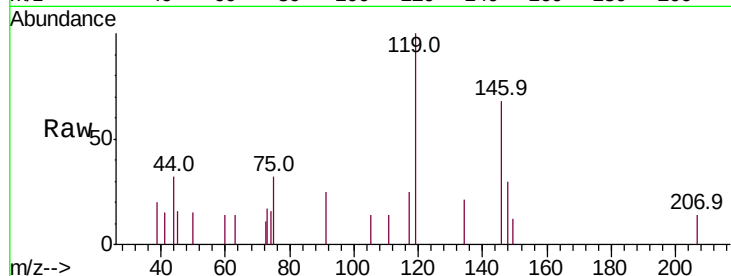




#87
 1,3-Dichlorobenzene
 Concen: 0.272 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.01 min
 Lab File: VN064325.D
 Acq: 27 Oct 2020 14:53

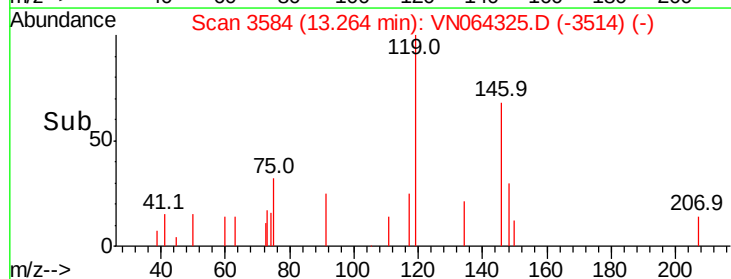
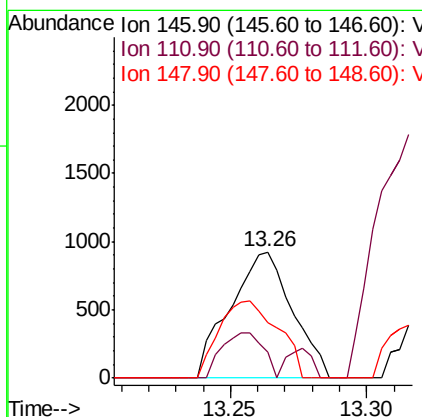
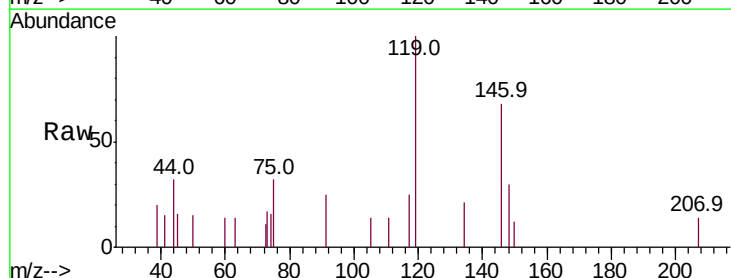
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2020

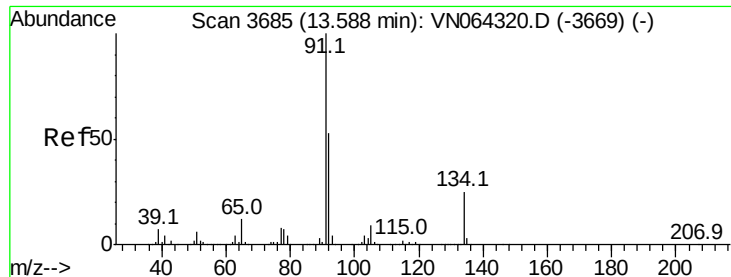
Tot Ion:146 Resp: 1457
 Ion Ratio Lower Upper
 146 100
 111 24.0 21.9 65.5
 148 58.1 32.6 98.0



#88
 1,4-Dichlorobenzene
 Concen: 0.267 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.07 min
 Lab File: VN064325.D
 Acq: 27 Oct 2020 14:53

Tgt Ion:146 Resp: 1457
 Ion Ratio Lower Upper
 146 100
 111 24.0 21.8 65.4
 148 58.1 31.8 95.3

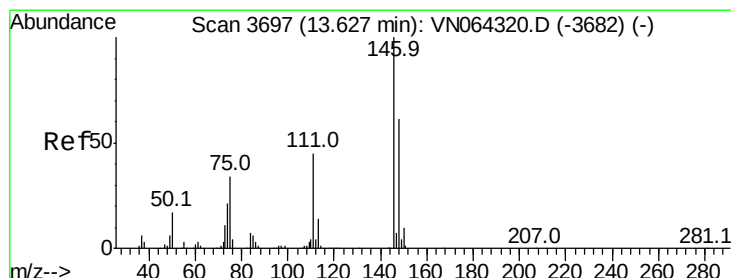
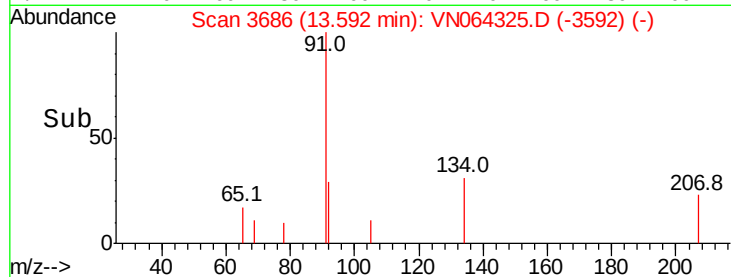
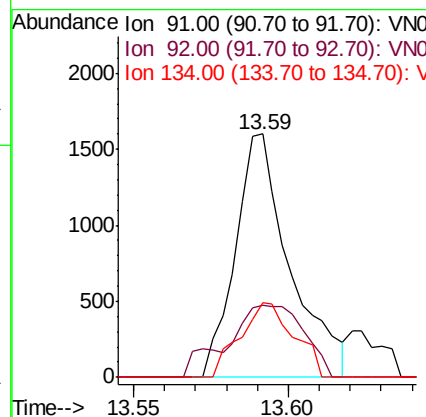
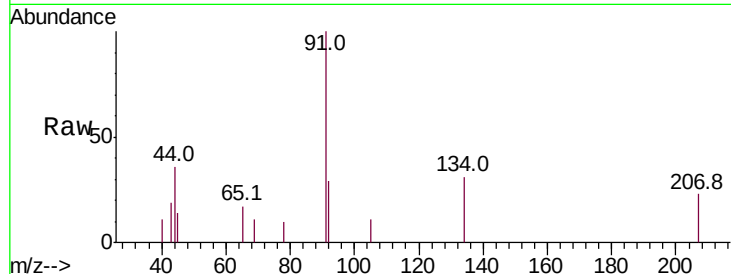




#89
n-Butylbenzene
Concen: 0.221 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

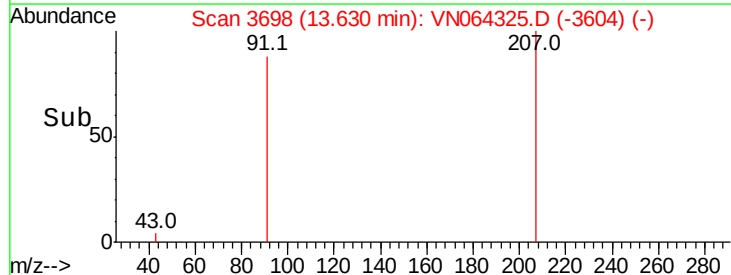
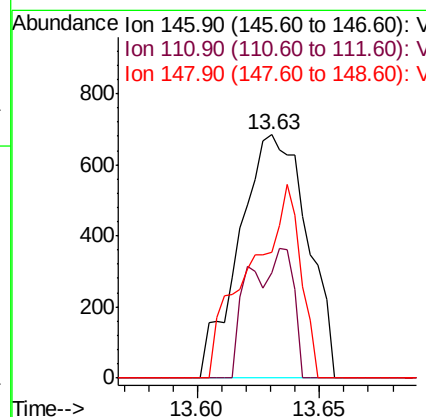
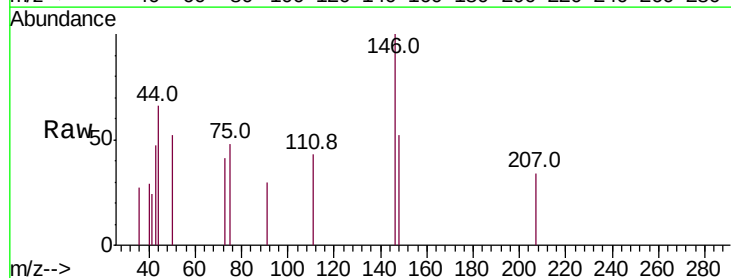
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

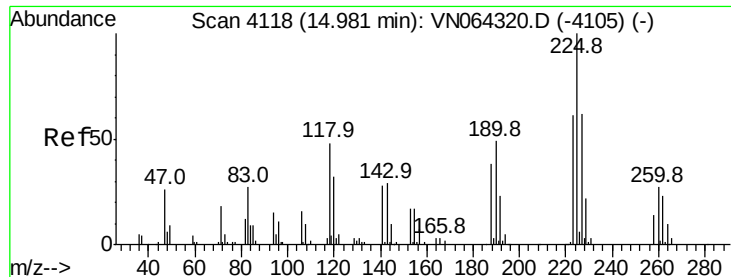
Tot Ion: 91 Resp: 1968
Ion Ratio Lower Upper
91 100
92 41.6 26.2 78.5
134 30.4 12.4 37.4



#91
1,2-Dichlorobenzene
Concen: 0.247 ug/l
RT: 13.63 min Scan# 3698
Delta R.T. 0.00 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Tgt Ion: 146 Resp: 1314
Ion Ratio Lower Upper
146 100
111 18.6 23.0 69.0#
148 60.3 32.1 96.3





#94

Hexachlorobutadiene

Concen: 0.356 ug/l

RT: 14.98 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

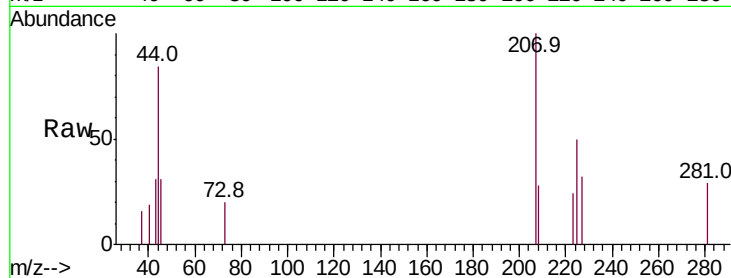
Tot Ion:225 Resp: 581

Ion Ratio Lower Upper

225 100

223 64.4 31.3 93.8

227 43.4 32.3 96.9



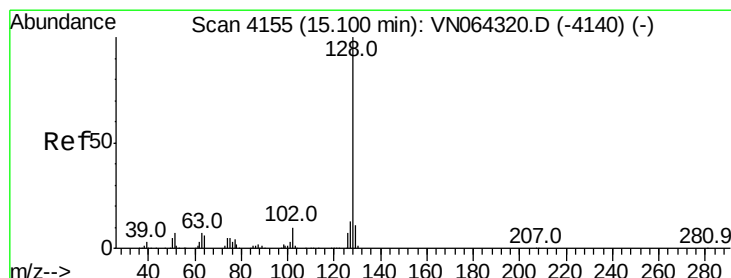
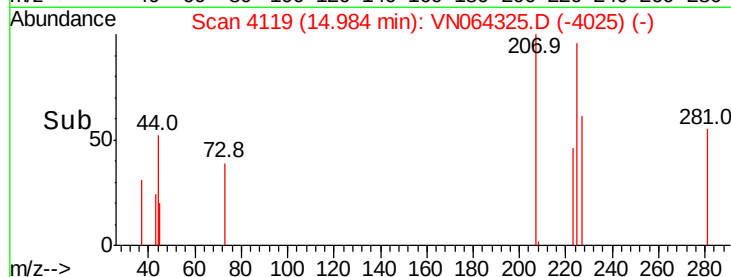
Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

14.98

Time-->



#95

Naphthalene

Concen: 0.212 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

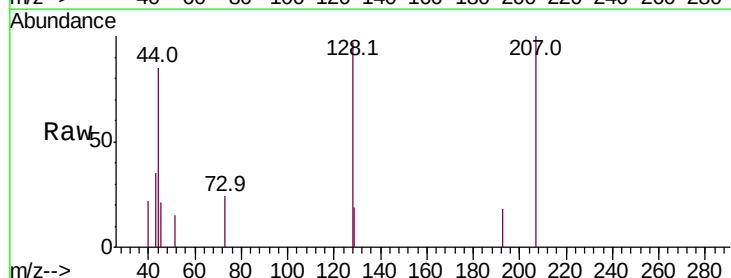
Tgt Ion:128 Resp: 1741

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 4.4 8.6 13.0#



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

15.11

Time-->

