

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101520\
 Data File : VN064152.D
 Acq On : 15 Oct 2020 18:43
 Operator : JC/MD
 Sample : L4417-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12D

Quant Time: Oct 16 02:26:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 15 01:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	275415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	526714	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	553697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	201013	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	224226	57.16	ug/l	0.00
Spiked Amount			Recovery	=	114.32%	
35) Dibromofluoromethane	7.55	113	184687	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
50) Toluene-d8	10.06	98	689768	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.38	95	230136	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	

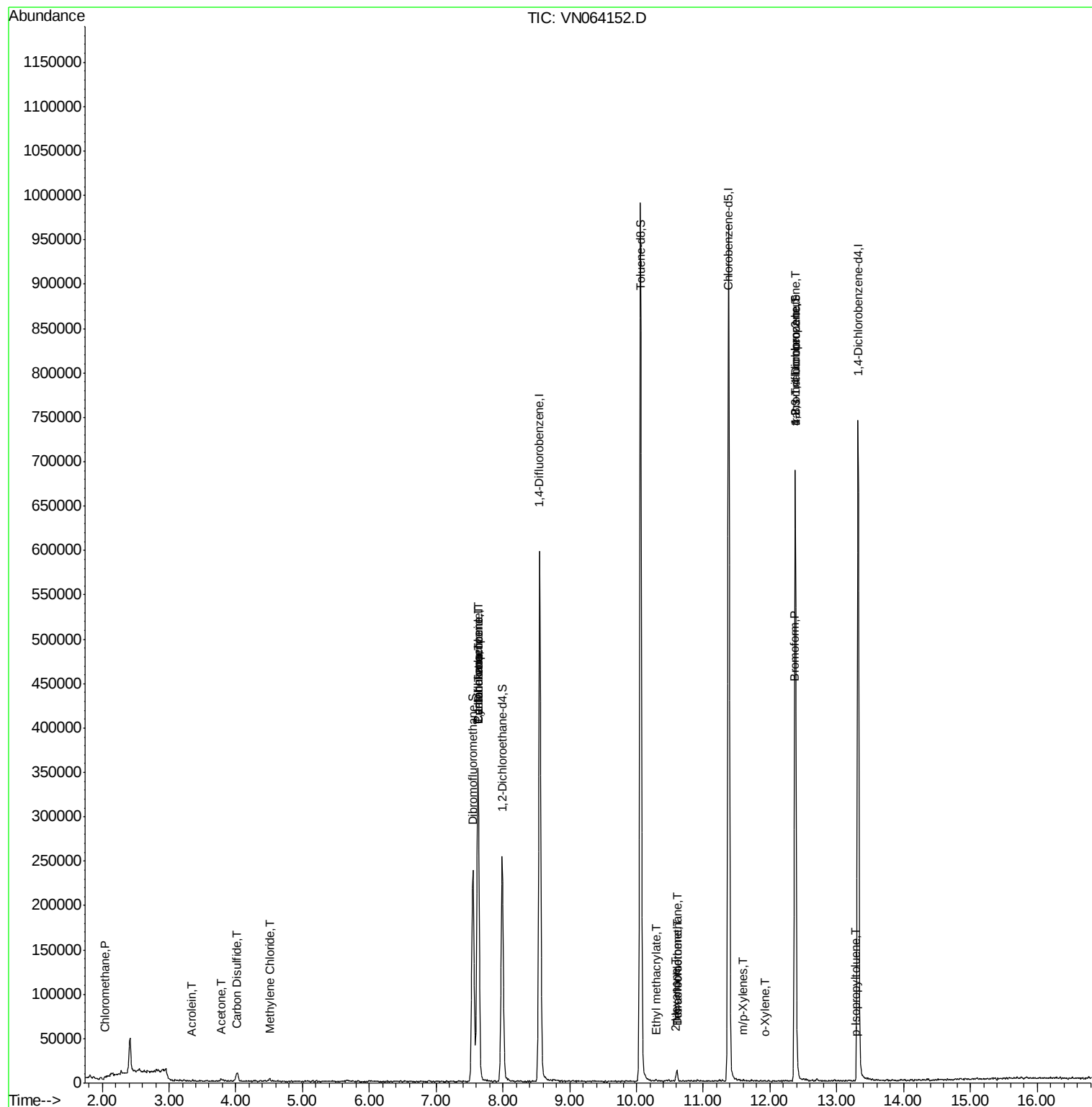
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1624	0.502	ug/l	97
13) Acrolein	3.32	56	101	0.283	ug/l #	15
16) Acetone	3.79	43	3434	2.952	ug/l #	82
17) Carbon Disulfide	4.02	76	16726	2.133	ug/l	96
20) Methylene Chloride	4.50	84	1164	0.323	ug/l #	74
31) Cyclohexane	7.63	56	6855	1.581	ug/l #	19
36) 1,1-Dichloropropene	7.63	75	23245	4.579	ug/l #	49
38) Carbon Tetrachloride	7.63	117	28526	5.225	ug/l #	16
56) Ethyl methacrylate	10.29	69	118	2.319	ug/l #	1
59) 2-Hexanone	10.58	43	549	6.994	ug/l	63
60) Dibromochloromethane	10.61	129	2518	0.573	ug/l #	11
64) Tetrachloroethene	10.60	164	2650	0.635	ug/l #	88
68) m/p-Xylenes	11.59	106	110	2.205	ug/l #	55
69) o-Xylene	11.94	106	65	1.591	ug/l #	1
71) Bromoform	12.36	173	34	2.240	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	124217	26.340	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	124217	80.474	ug/l #	12
86) p-Isopropyltoluene	13.27	119	76	0.668	ug/l #	50

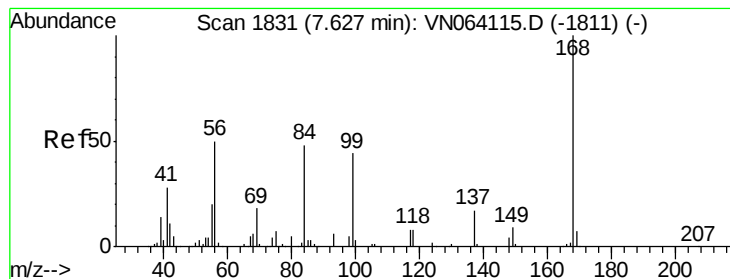
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064152.D

Acq: 15 Oct 2020 18:43

Instrument :

MSVOA_N

ClientSampleId :

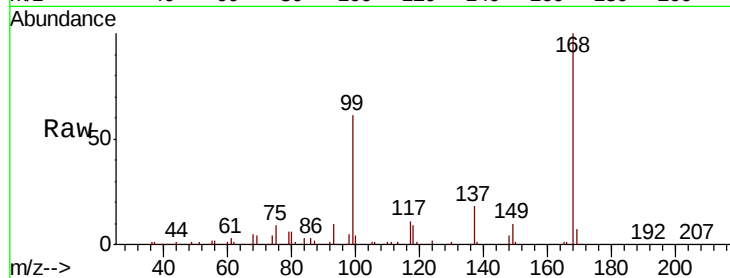
MW-12D

Tot Ion:168 Resp: 275415

Ion Ratio Lower Upper

168 100

99 61.3 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN064115.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN064115.D (-1811) (-)

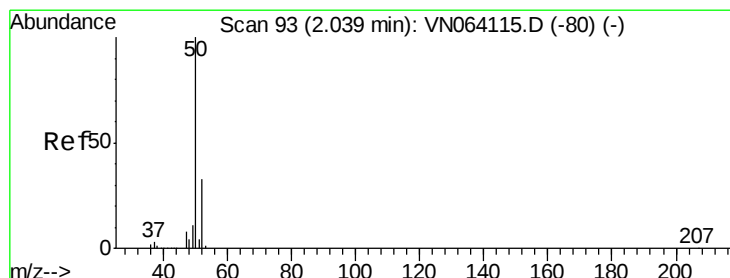
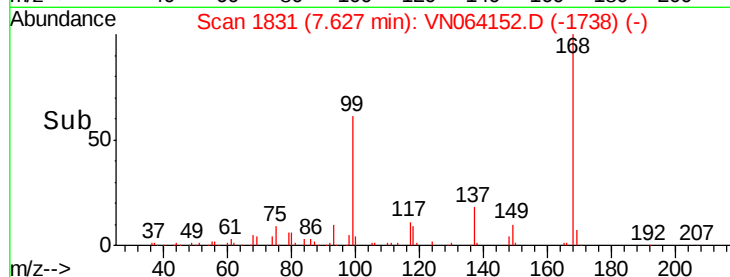
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.502 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064152.D

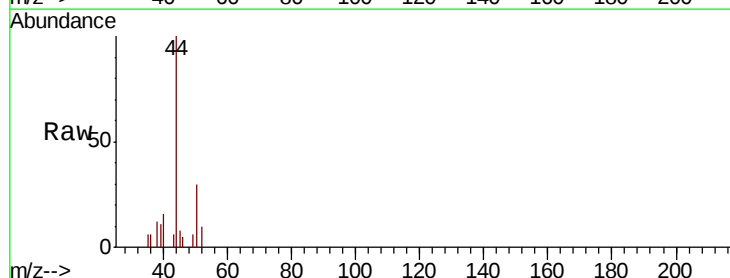
Acq: 15 Oct 2020 18:43

Tgt Ion: 50 Resp: 1624

Ion Ratio Lower Upper

50 100

52 34.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN064115.D (-80) (-)

Ion 51.90 (51.60 to 52.60): VN064115.D (-80) (-)

2.04

1000

800

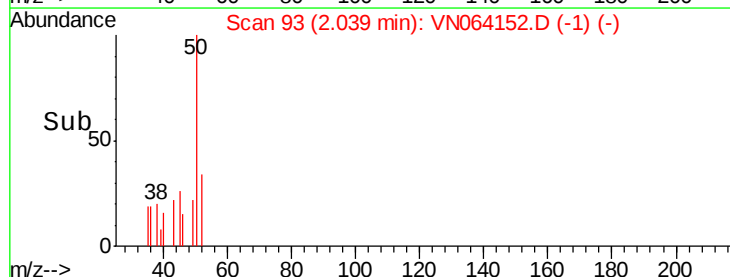
600

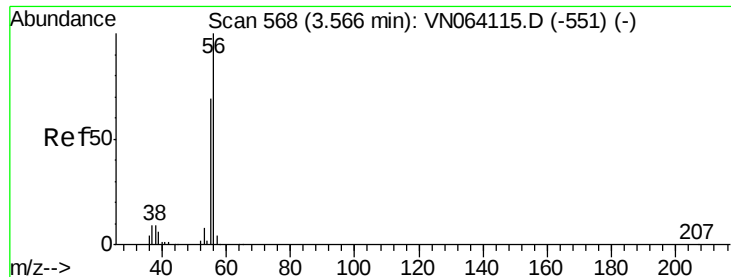
400

200

0

Time--> 2.00 2.05





#13

Acrolein

Concen: 0.283 ug/l

RT: 3.32 min Scan# 492

Delta R.T. -0.24 min

Lab File: VN064152.D

Acq: 15 Oct 2020 18:43

Instrument :

MSVOA_N

ClientSampled :

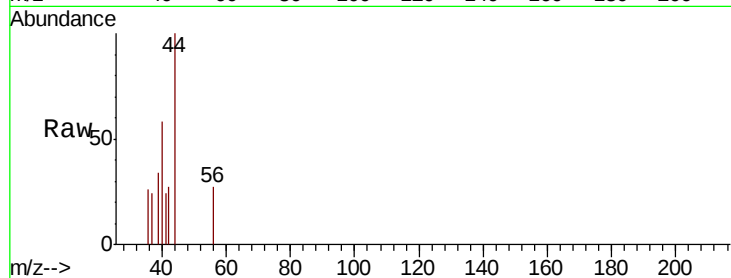
MW-12D

Tot Ion: 56 Resp: 101

Ion Ratio Lower Upper

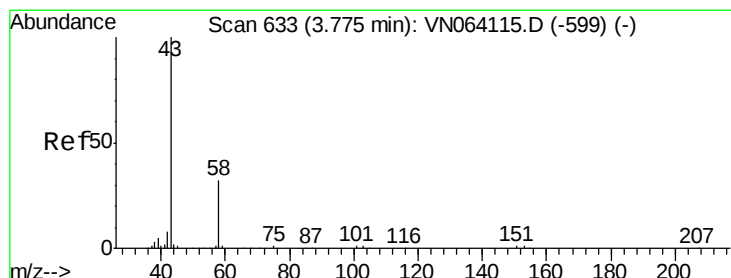
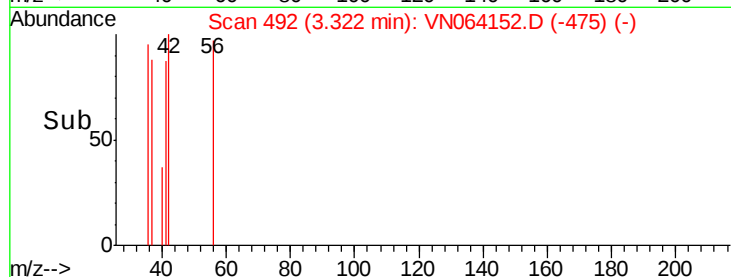
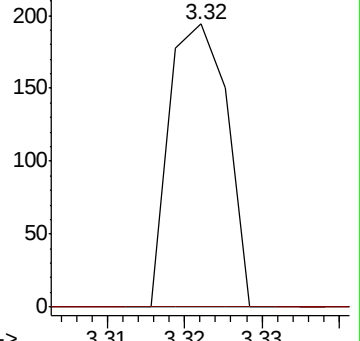
56 100

55 0.0 55.8 83.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 2.952 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN064152.D

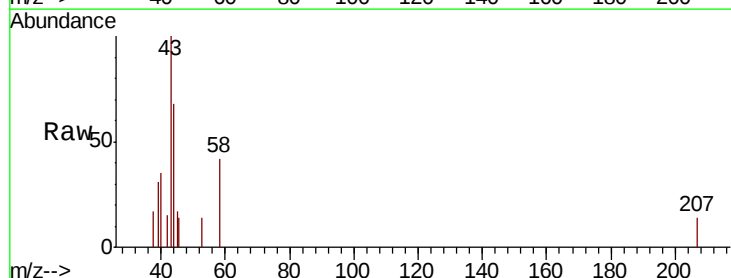
Acq: 15 Oct 2020 18:43

Tgt Ion: 43 Resp: 3434

Ion Ratio Lower Upper

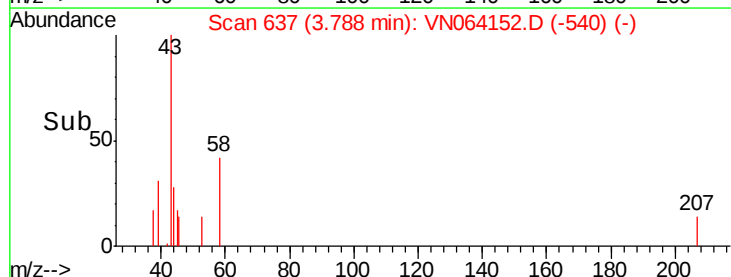
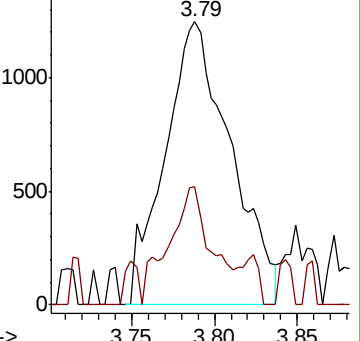
43 100

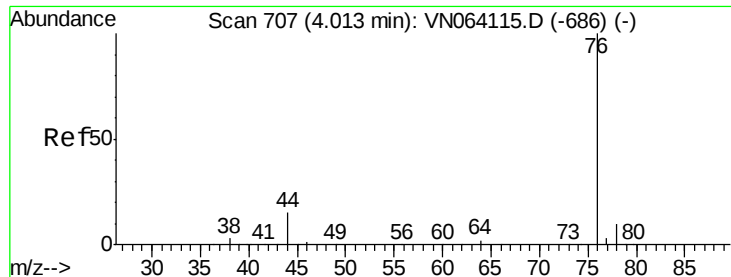
58 41.7 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 2.133 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN064152.D

Acq: 15 Oct 2020 18:43

Instrument :

MSVOA_N

ClientSampleId :

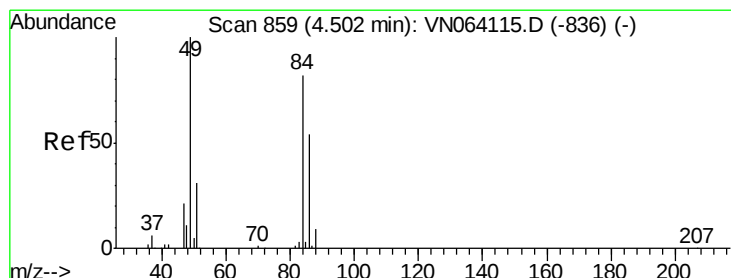
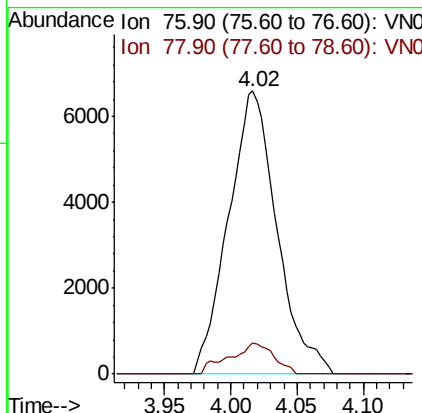
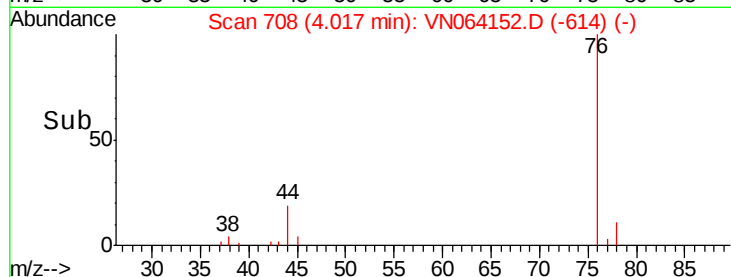
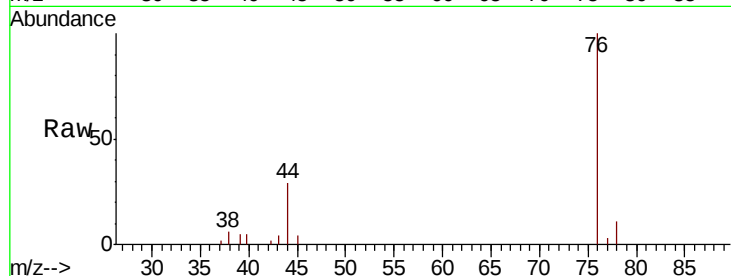
MW-12D

Tot Ion: 76 Resp: 16726

Ion Ratio Lower Upper

76 100

78 11.0 7.6 11.4



#20

Methylene Chloride

Concen: 0.323 ug/l

RT: 4.50 min Scan# 859

Delta R.T. 0.00 min

Lab File: VN064152.D

Acq: 15 Oct 2020 18:43

Tgt Ion: 84 Resp: 1164

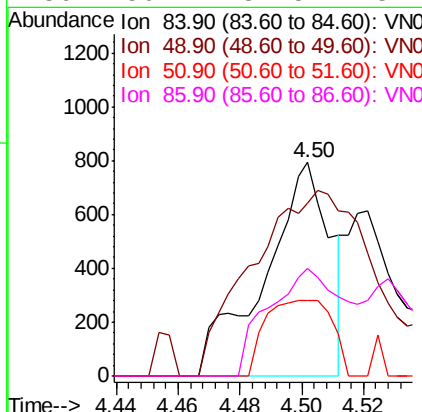
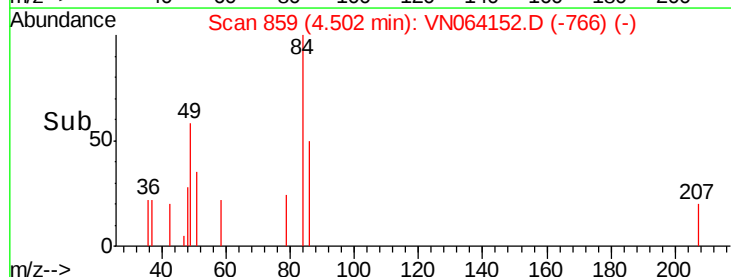
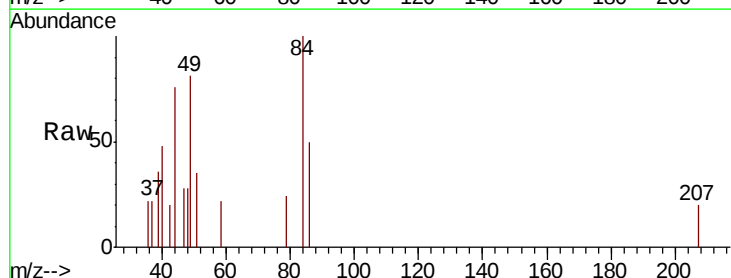
Ion Ratio Lower Upper

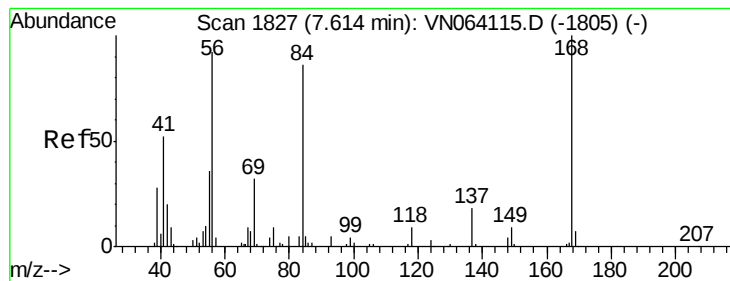
84 100

49 80.6 97.4 146.0#

51 35.4 29.7 44.5

86 50.4 52.5 78.7#





#31

Cyclohexane

Concen: 1.581 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN064152.D

Acq: 15 Oct 2020 18:43

Instrument :

MSVOA_N

ClientSampled :

MW-12D

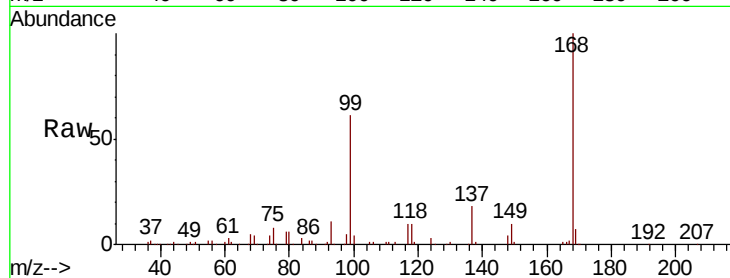
Tot Ion: 56 Resp: 6855

Ion Ratio Lower Upper

56 100

69 160.9 27.8 41.6#

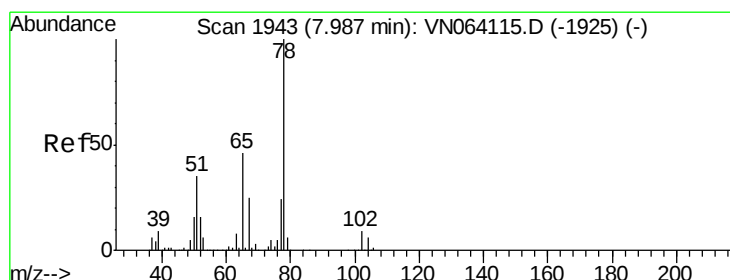
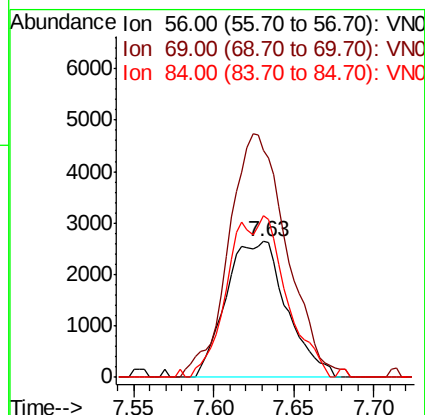
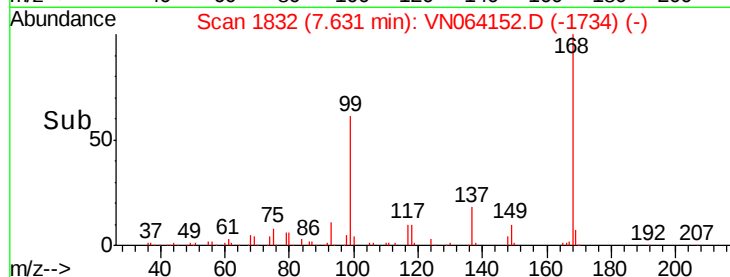
84 119.1 73.2 109.8#



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: 57.164 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064152.D

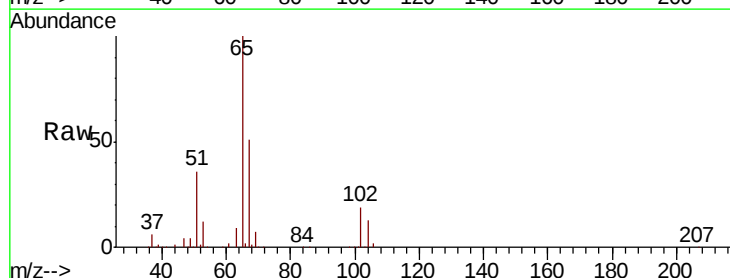
Acq: 15 Oct 2020 18:43

Tgt Ion: 65 Resp: 224226

Ion Ratio Lower Upper

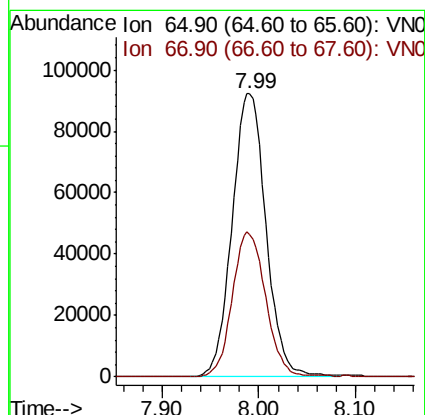
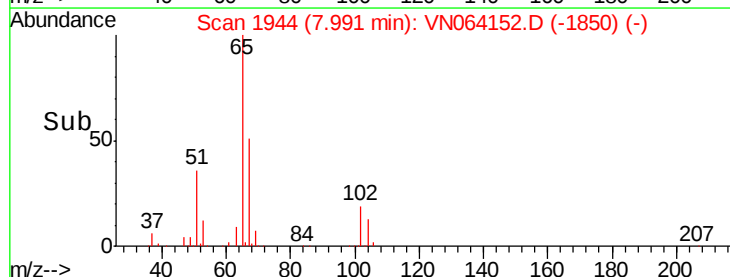
65 100

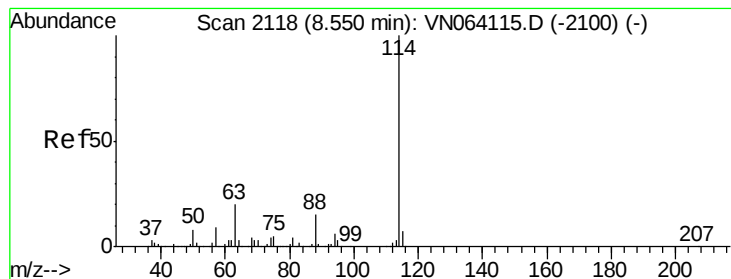
67 50.5 0.0 105.6



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# 2119

Delta R.T. 0.00 min

Lab File: VN064152.D

Acq: 15 Oct 2020 18:43

Instrument :

MSVOA_N

ClientSampleId :

MW-12D

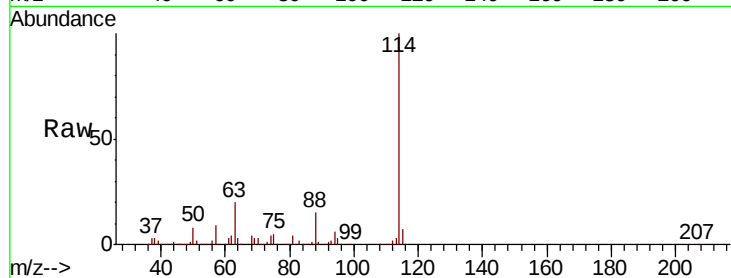
Tot Ion:114 Resp: 526714

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.0

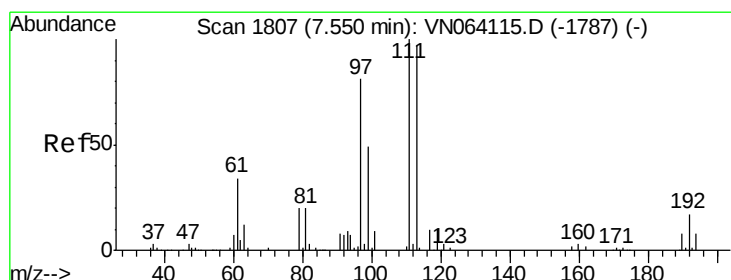
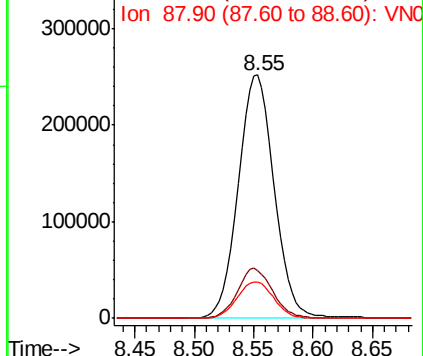
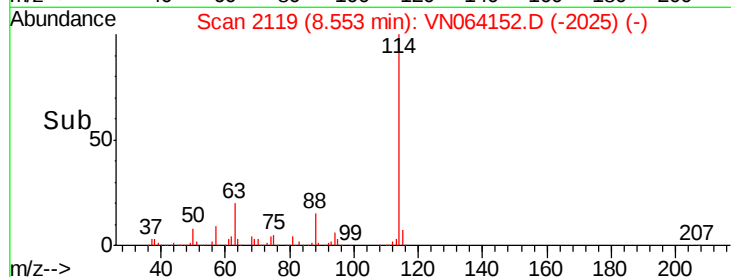
88 15.0 0.0 29.2



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: 50.660 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064152.D

Acq: 15 Oct 2020 18:43

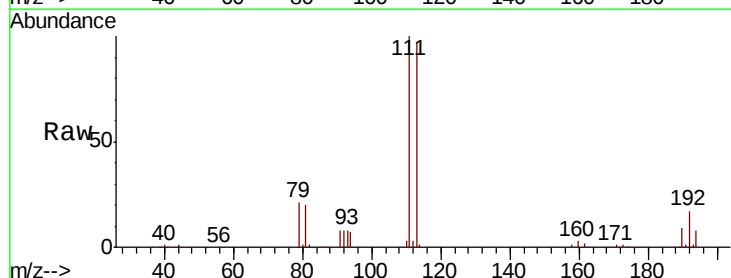
Tgt Ion:113 Resp: 184687

Ion Ratio Lower Upper

113 100

111 103.7 81.9 122.9

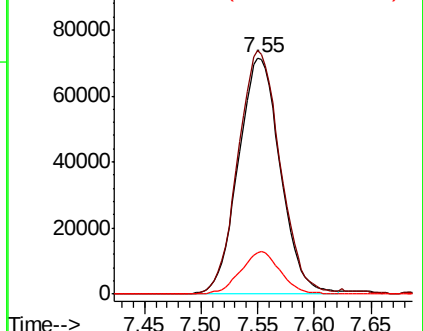
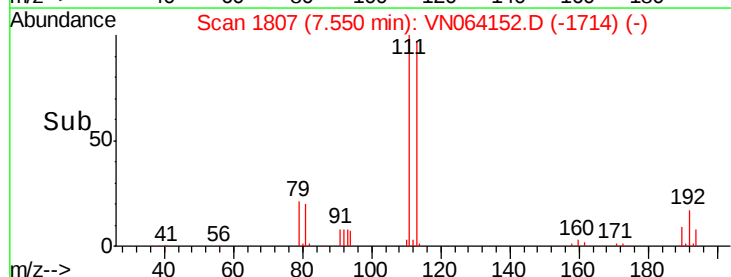
192 17.2 14.3 21.5

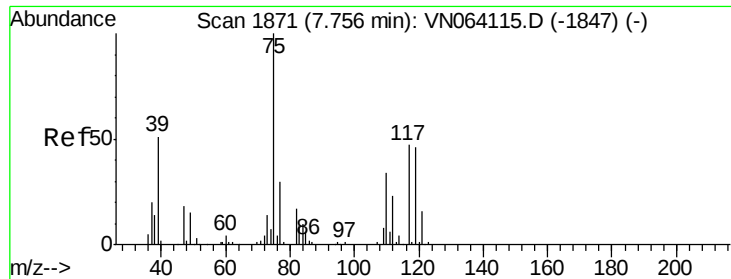


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

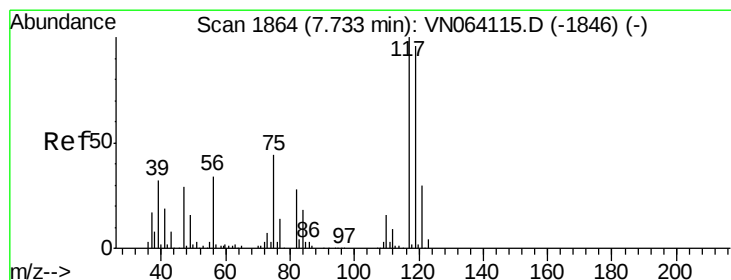
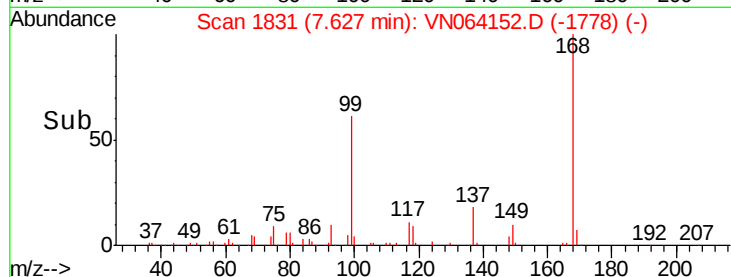
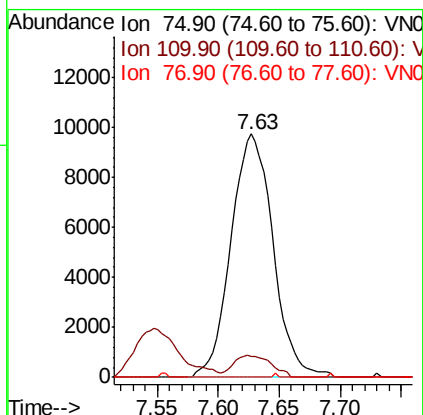
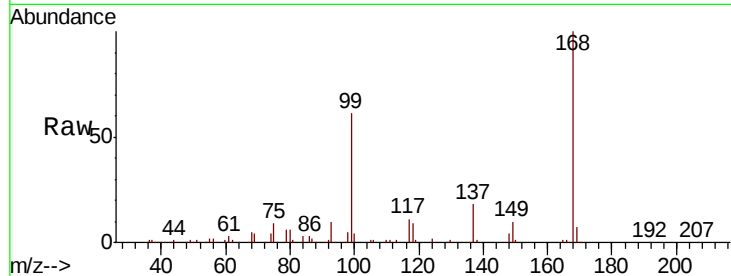




#36
 1,1-Dichloropropene
 Concen: 4.579 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064152.D
 Acq: 15 Oct 2020 18:43

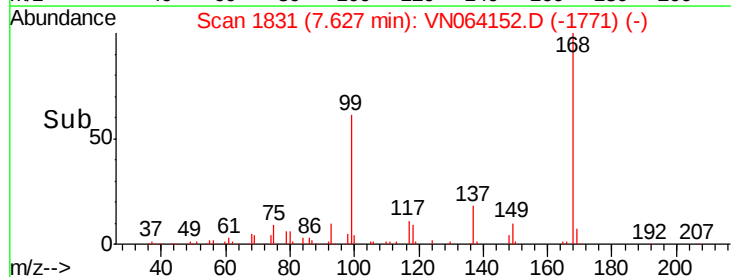
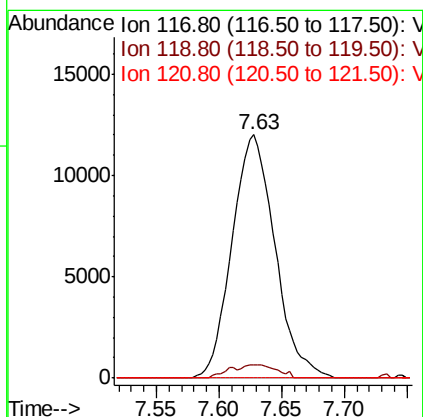
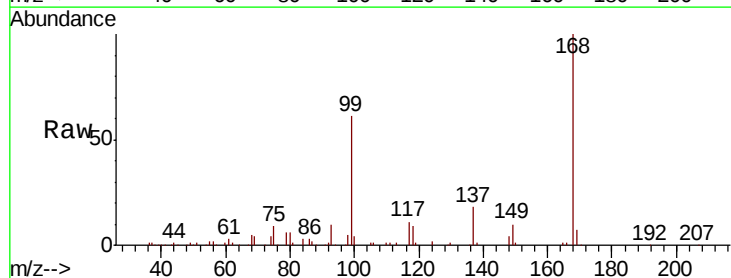
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12D

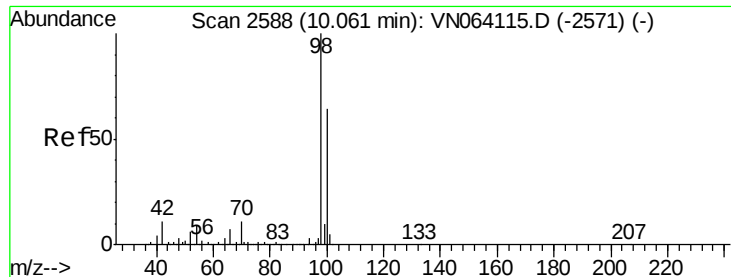
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.8	53.3#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.225 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN064152.D
 Acq: 15 Oct 2020 18:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	77.0	115.4#
121	0.0	24.2	36.4#





#50

Toluene-d8

Concen: 50.145 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064152.D

Acq: 15 Oct 2020 18:43

Instrument :

MSVOA_N

ClientSampled :

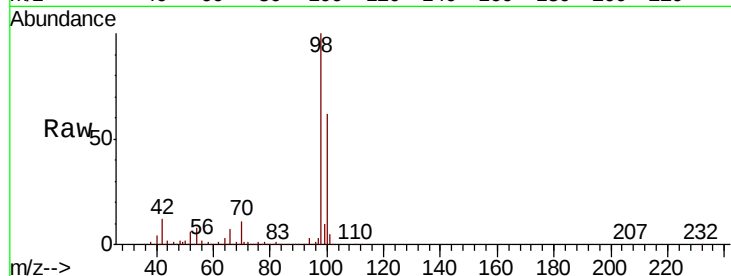
MW-12D

Tot Ion: 98 Resp: 689768

Ion Ratio Lower Upper

98 100

100 62.8 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.06

400000

300000

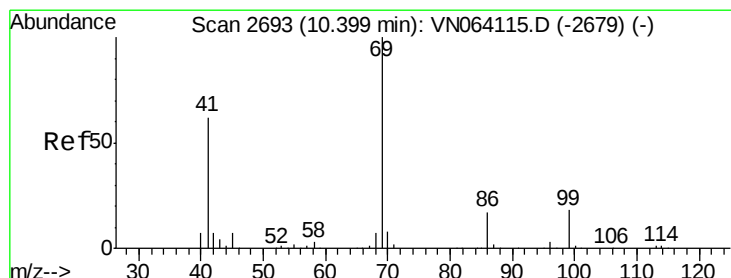
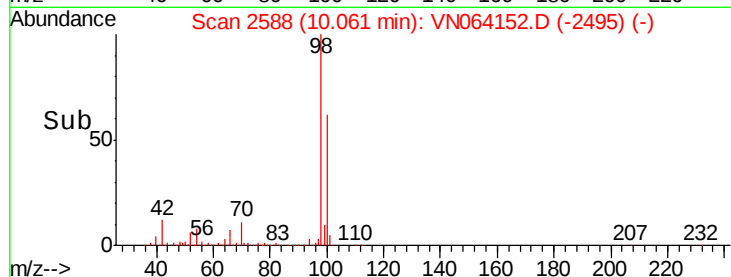
200000

100000

0

Time-->

10.00 10.10



#56

Ethyl methacrylate

Concen: 2.319 ug/l

RT: 10.29 min Scan# 2658

Delta R.T. -0.11 min

Lab File: VN064152.D

Acq: 15 Oct 2020 18:43

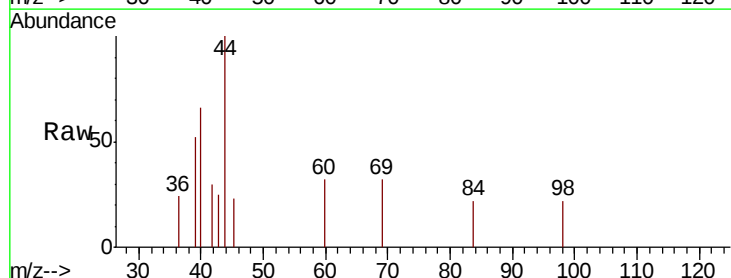
Tgt Ion: 69 Resp: 118

Ion Ratio Lower Upper

69 100

41 0.0 49.3 73.9#

39 405.1 32.7 49.1#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

500

400

300

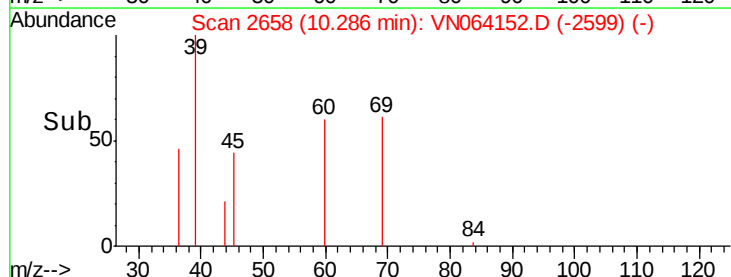
200

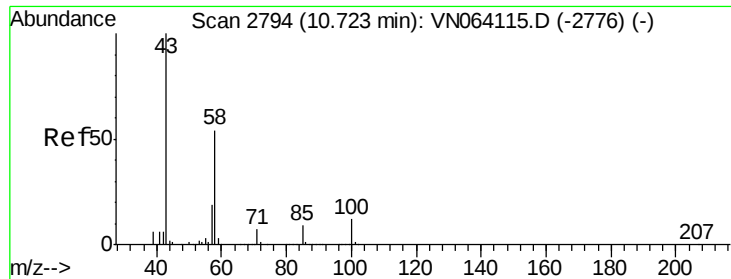
100

0

Time-->

10.27 10.28 10.29 10.30

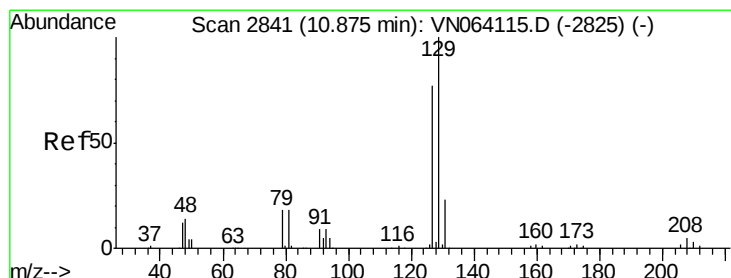
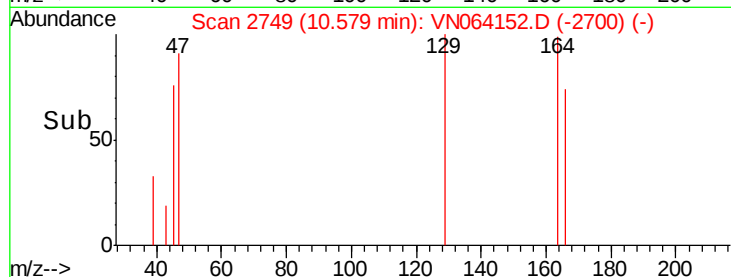
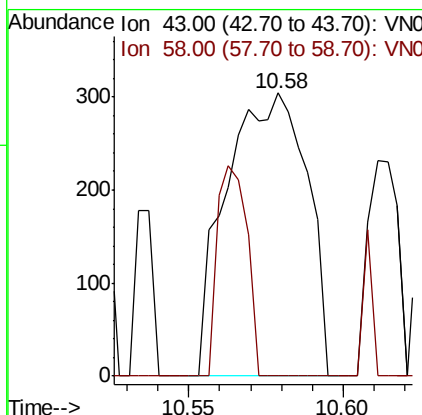
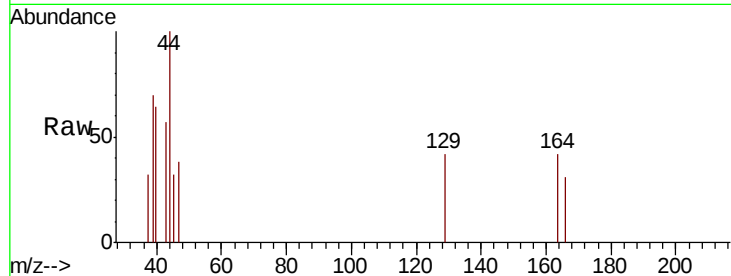




#59
2-Hexanone
Concen: 6.994 ug/l
RT: 10.58 min Scan# 2749
Delta R.T. -0.14 min
Lab File: VN064152.D
Acq: 15 Oct 2020 18:43

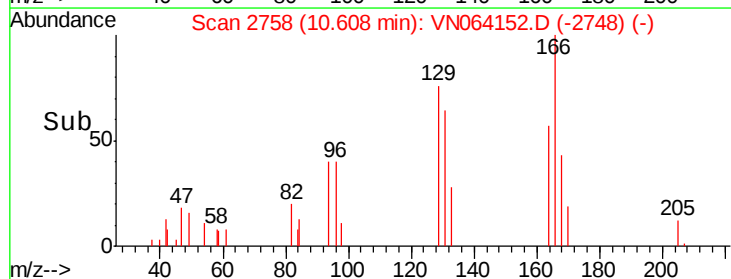
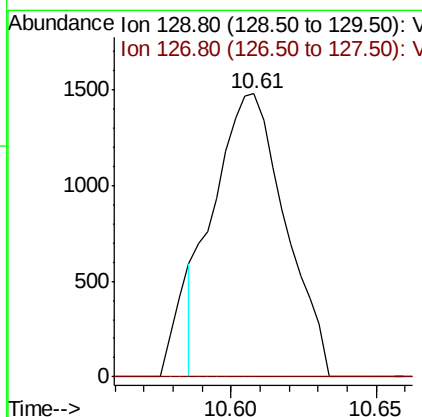
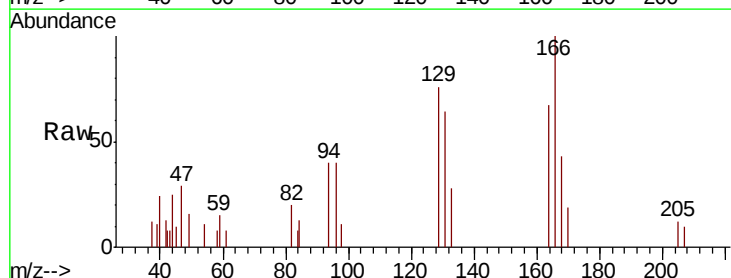
Instrument :
MSVOA_N
ClientSampled :
MW-12D

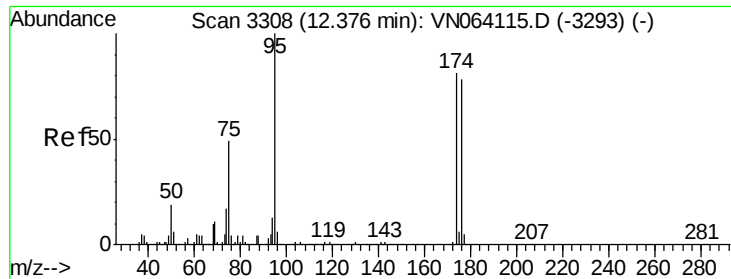
Tot Ion: 43 Resp: 549
Ion Ratio Lower Upper
43 100
58 27.5 27.2 81.6



#60
Dibromochloromethane
Concen: 0.573 ug/l
RT: 10.61 min Scan# 2758
Delta R.T. -0.27 min
Lab File: VN064152.D
Acq: 15 Oct 2020 18:43

Tgt Ion: 129 Resp: 2518
Ion Ratio Lower Upper
129 100
127 0.0 38.2 114.6#

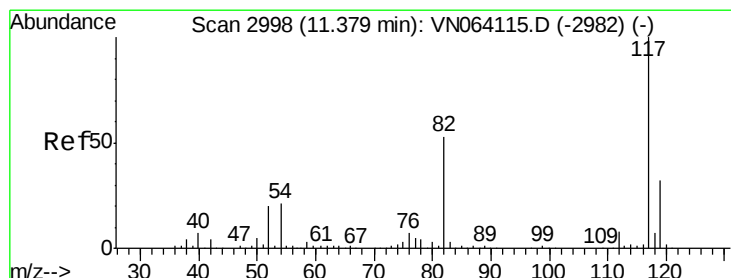
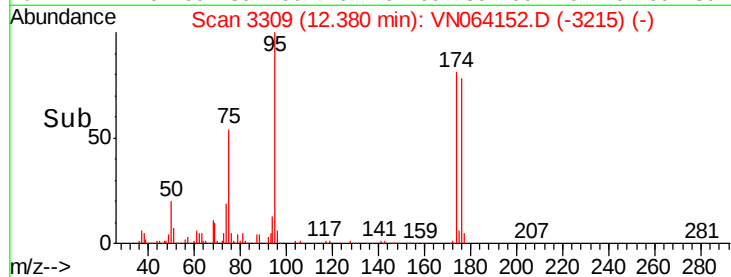
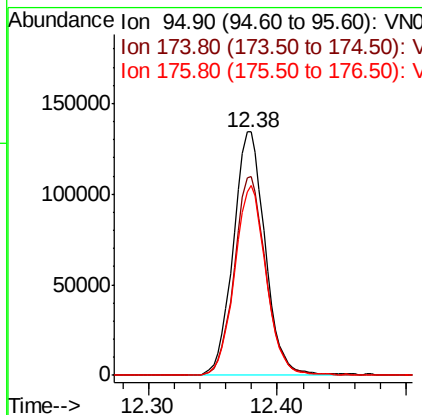
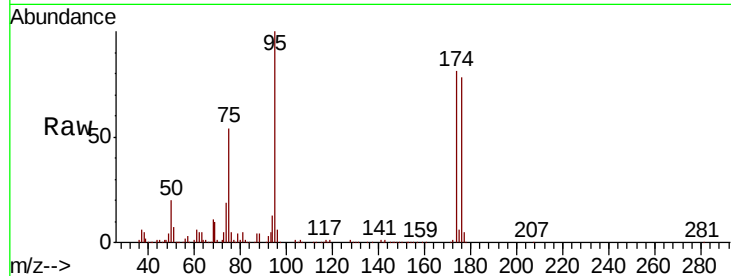




#62
4-Bromofluorobenzene
Concen: 48.674 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.00 min
Lab File: VN064152.D
Acq: 15 Oct 2020 18:43

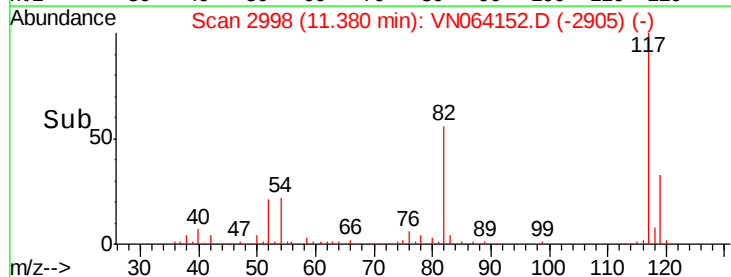
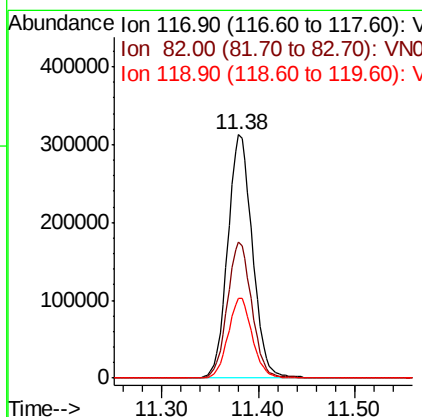
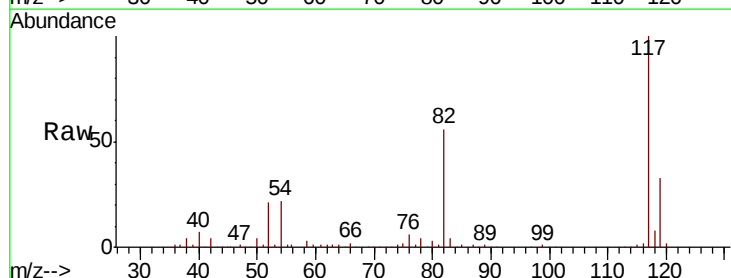
Instrument :
MSVOA_N
ClientSampleId :
MW-12D

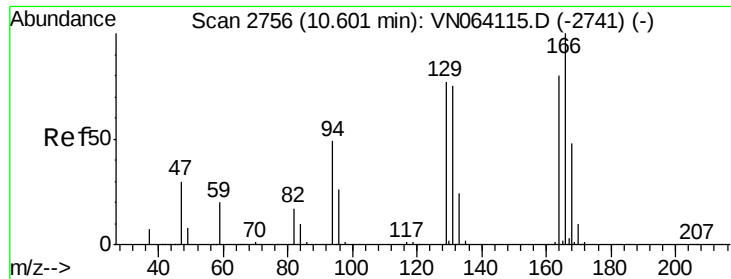
Tot Ion: 95 Resp: 230136
Ion Ratio Lower Upper
95 100
174 81.0 0.0 164.8
176 77.3 0.0 157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064152.D
Acq: 15 Oct 2020 18:43

Tgt Ion: 117 Resp: 553697
Ion Ratio Lower Upper
117 100
82 56.0 42.6 63.8
119 32.9 25.5 38.3





#64

Tetrachloroethene

Concen: 0.635 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064152.D

Acq: 15 Oct 2020 18:43

Instrument :

MSVOA_N

ClientSampleId :

MW-12D

Tot Ion:164 Resp: 2650

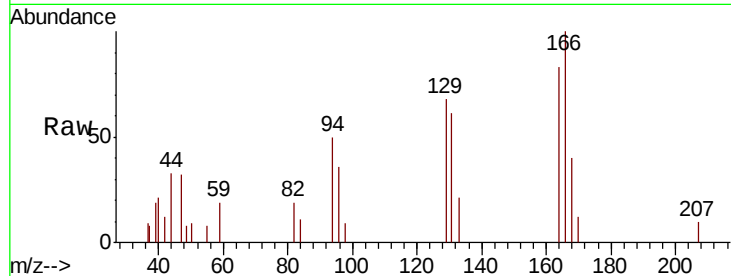
Ion Ratio Lower Upper

164 100

166 120.8 99.7 149.5

129 82.4 77.0 115.4

131 73.4 74.6 111.8#



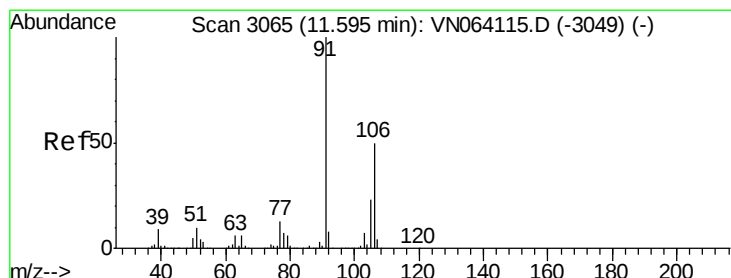
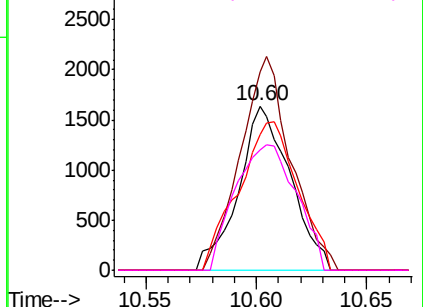
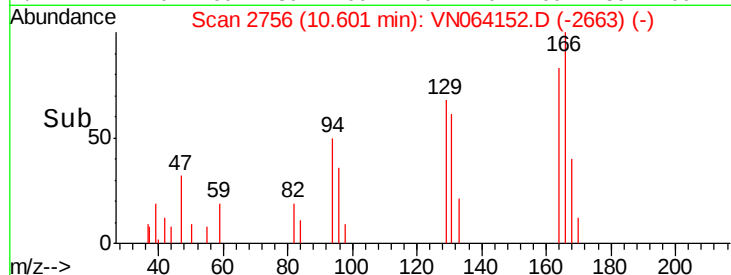
Abundance

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



#68

m/p-Xylenes

Concen: 2.205 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN064152.D

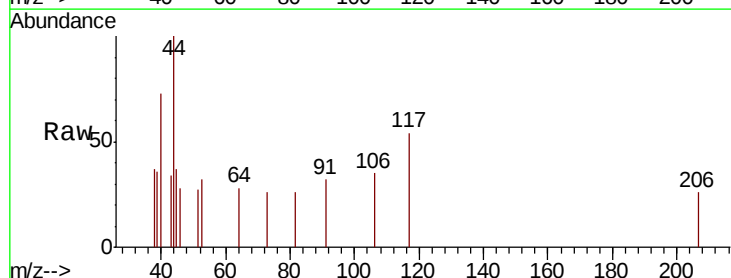
Acq: 15 Oct 2020 18:43

Tgt Ion:106 Resp: 110

Ion Ratio Lower Upper

106 100

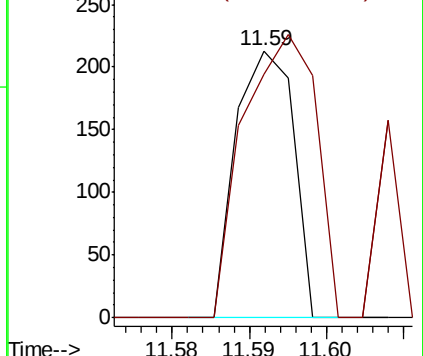
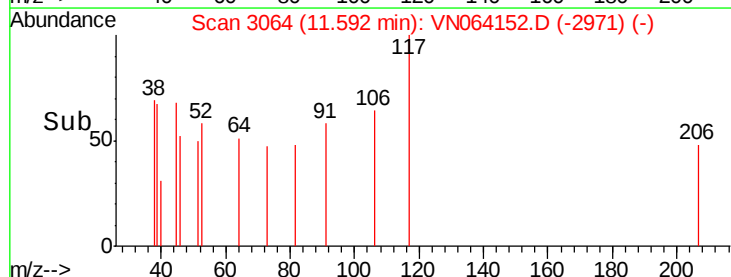
91 134.5 162.1 243.1#

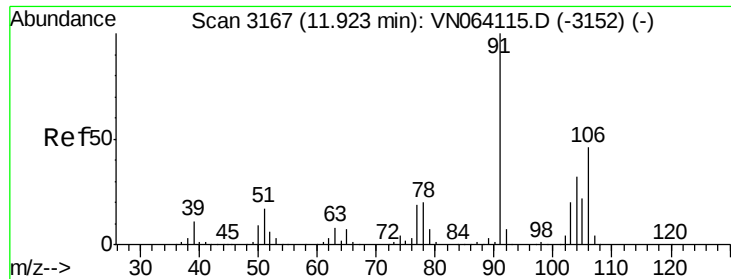


Abundance

Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

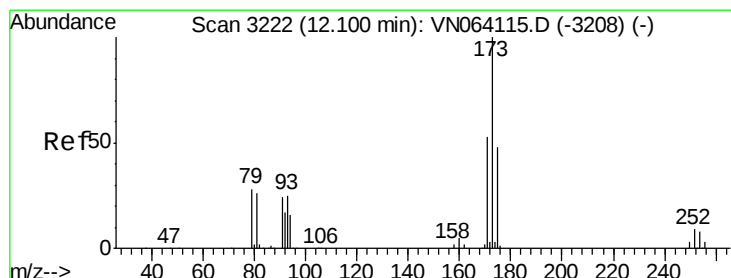
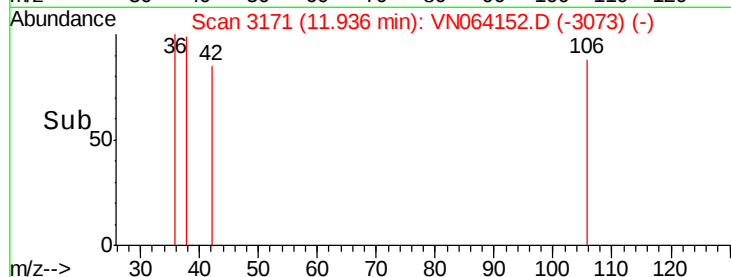
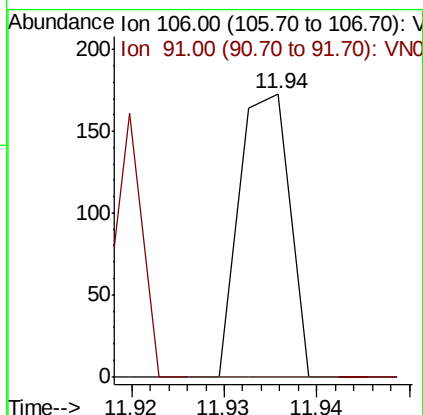
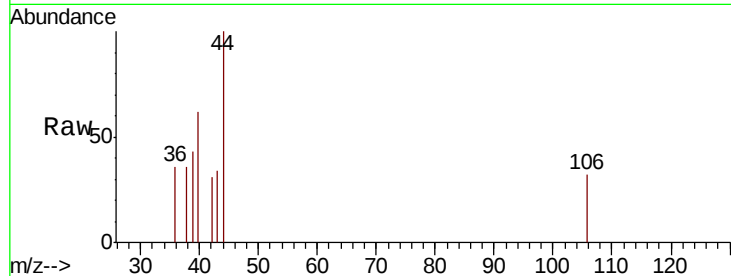




#69
o-Xylene
Concen: 1.591 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VN064152.D
Acq: 15 Oct 2020 18:43

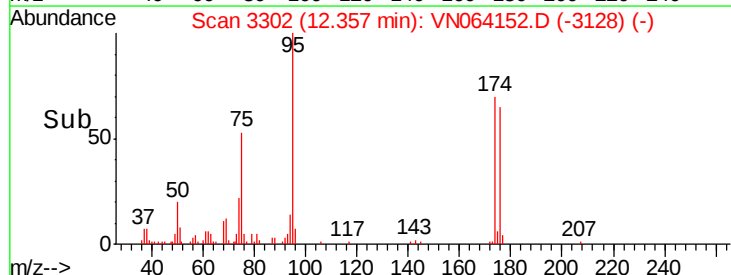
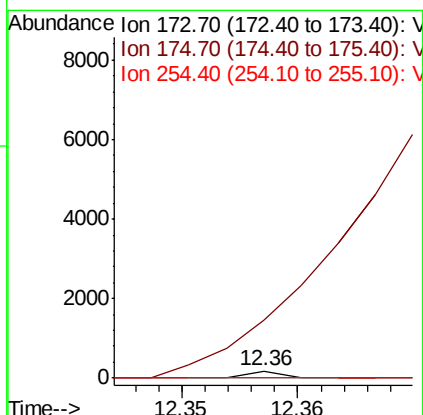
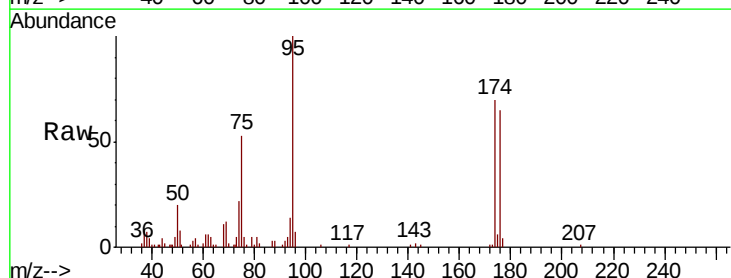
Instrument :
MSVOA_N
ClientSampleId :
MW-12D

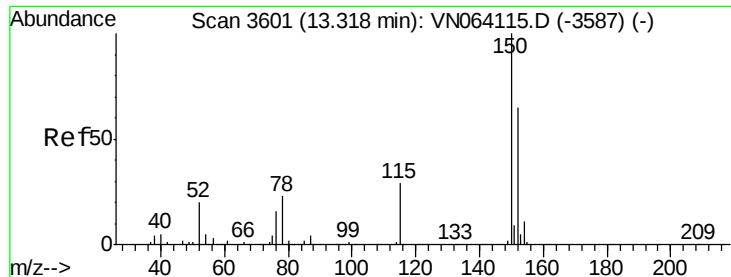
Tot Ion:106 Resp: 65
Ion Ratio Lower Upper
106 100
91 47.7 107.6 322.8#



#71
Bromoform
Concen: 2.240 ug/l
RT: 12.36 min Scan# 3302
Delta R.T. 0.26 min
Lab File: VN064152.D
Acq: 15 Oct 2020 18:43

Tgt Ion:173 Resp: 34
Ion Ratio Lower Upper
173 100
175 32176.5 23.4 70.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064152.D

Acq: 15 Oct 2020 18:43

Instrument :

MSVOA_N

ClientSampled :

MW-12D

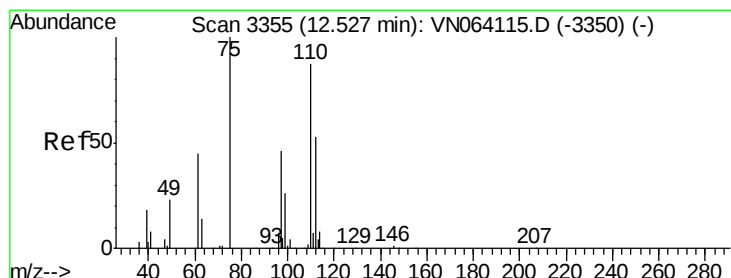
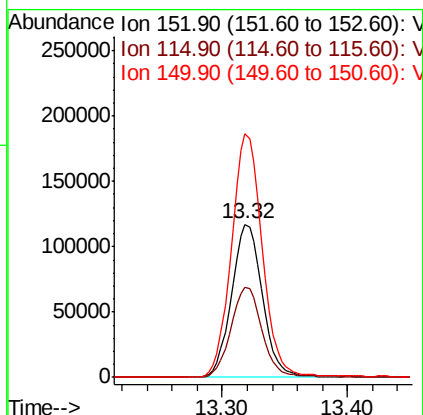
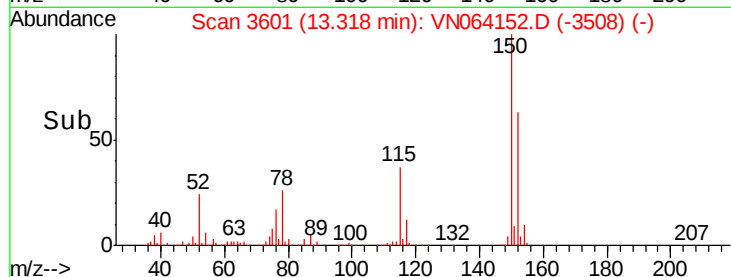
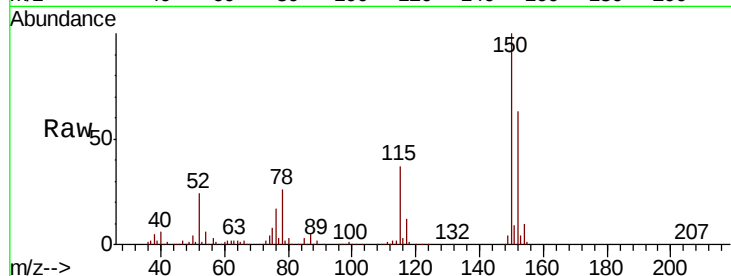
Tot Ion:152 Resp: 201013

Ion Ratio Lower Upper

152 100

115 59.3 29.3 87.8

150 158.1 0.0 346.0



#76

1,2,3-Trichloropropane

Concen: 26.340 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. -0.15 min

Lab File: VN064152.D

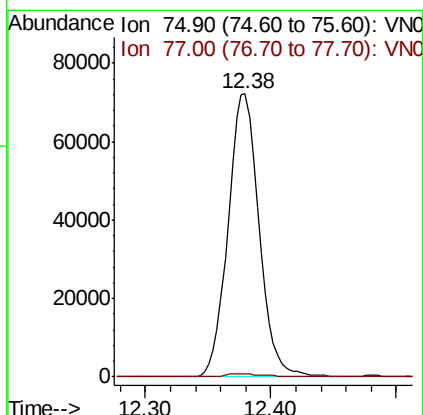
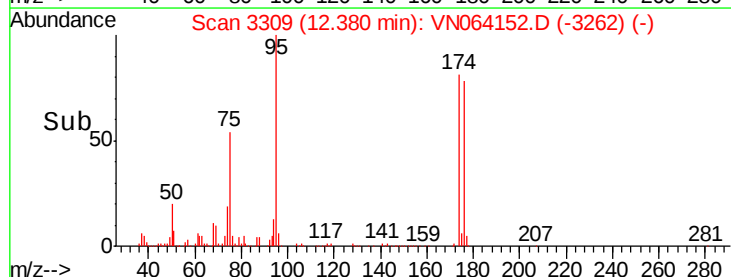
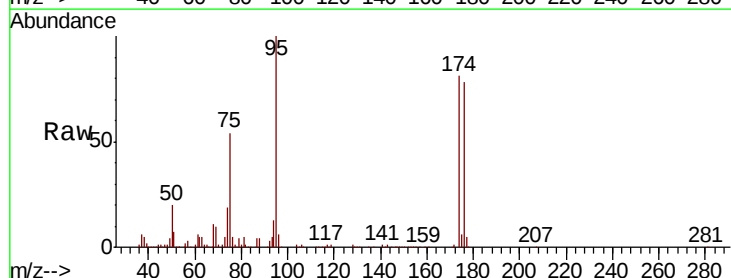
Acq: 15 Oct 2020 18:43

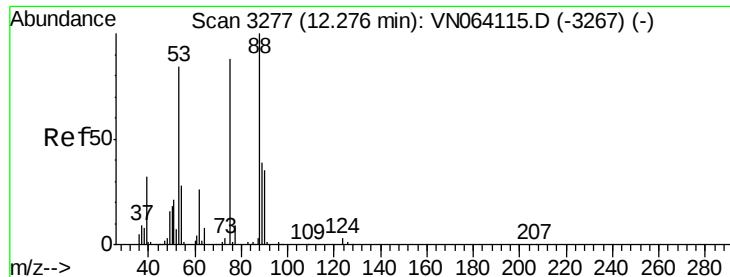
Tgt Ion: 75 Resp: 124217

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 80.474 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.10 min

Lab File: VN064152.D

Acq: 15 Oct 2020 18:43

Instrument :

MSVOA_N

ClientSampleId :

MW-12D

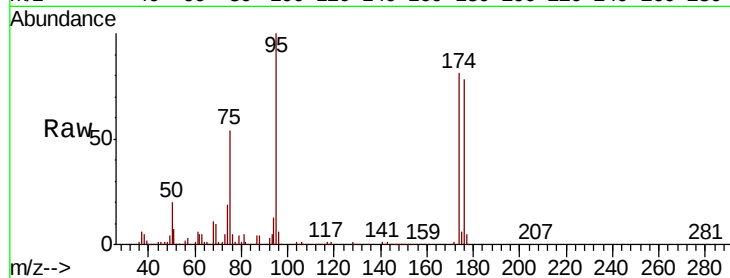
Tot Ion: 75 Resp: 124217

Ion Ratio Lower Upper

75 100

53 0.2 75.7 113.5#

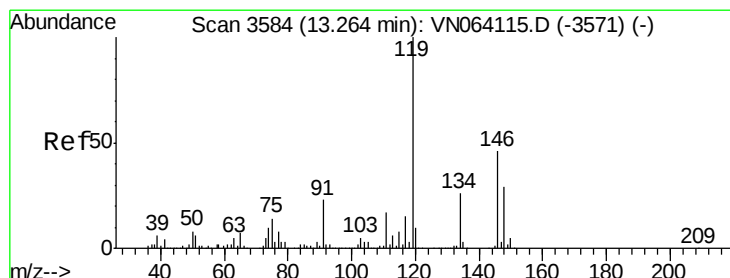
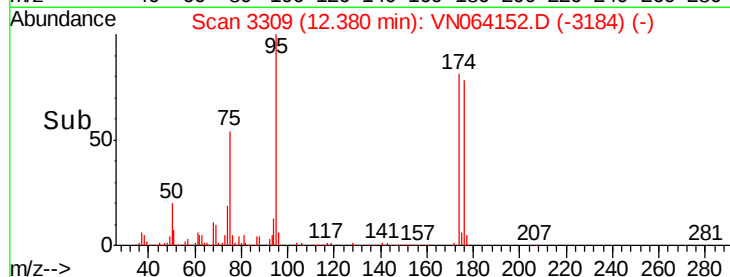
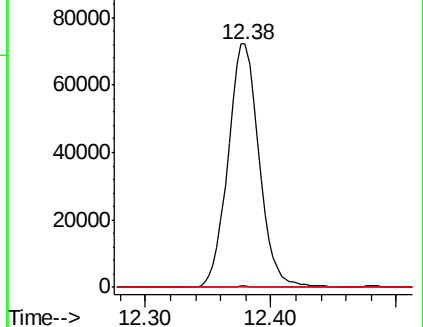
89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VN064115.D (-3267) (-)

Ion 53.00 (52.70 to 53.70): VN064115.D (-3267) (-)

Ion 88.90 (88.60 to 89.60): VN064115.D (-3267) (-)



#86

p-Isopropyltoluene

Concen: 0.668 ug/l

RT: 13.27 min Scan# 3586

Delta R.T. 0.01 min

Lab File: VN064152.D

Acq: 15 Oct 2020 18:43

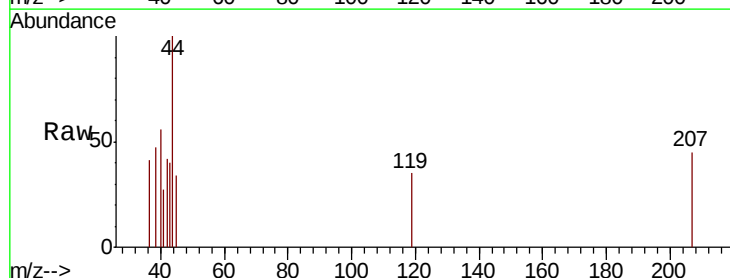
Tgt Ion: 119 Resp: 76

Ion Ratio Lower Upper

119 100

134 0.0 13.2 39.5#

91 0.0 12.0 36.1#



Abundance Ion 119.00 (118.70 to 119.70): VN064115.D (-3571) (-)

Ion 134.00 (133.70 to 134.70): VN064115.D (-3571) (-)

Ion 91.00 (90.70 to 91.70): VN064115.D (-3571) (-)

