

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060591.D
 Acq On : 18 Mar 2020 14:55
 Operator : JC/MD
 Sample : L1917-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-725

Quant Time: Mar 19 04:59:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	195144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	317763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	295212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	129930	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	124353	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	
35) Dibromofluoromethane	7.57	113	94769	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
50) Toluene-d8	10.08	98	392367	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.40	95	142300	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	

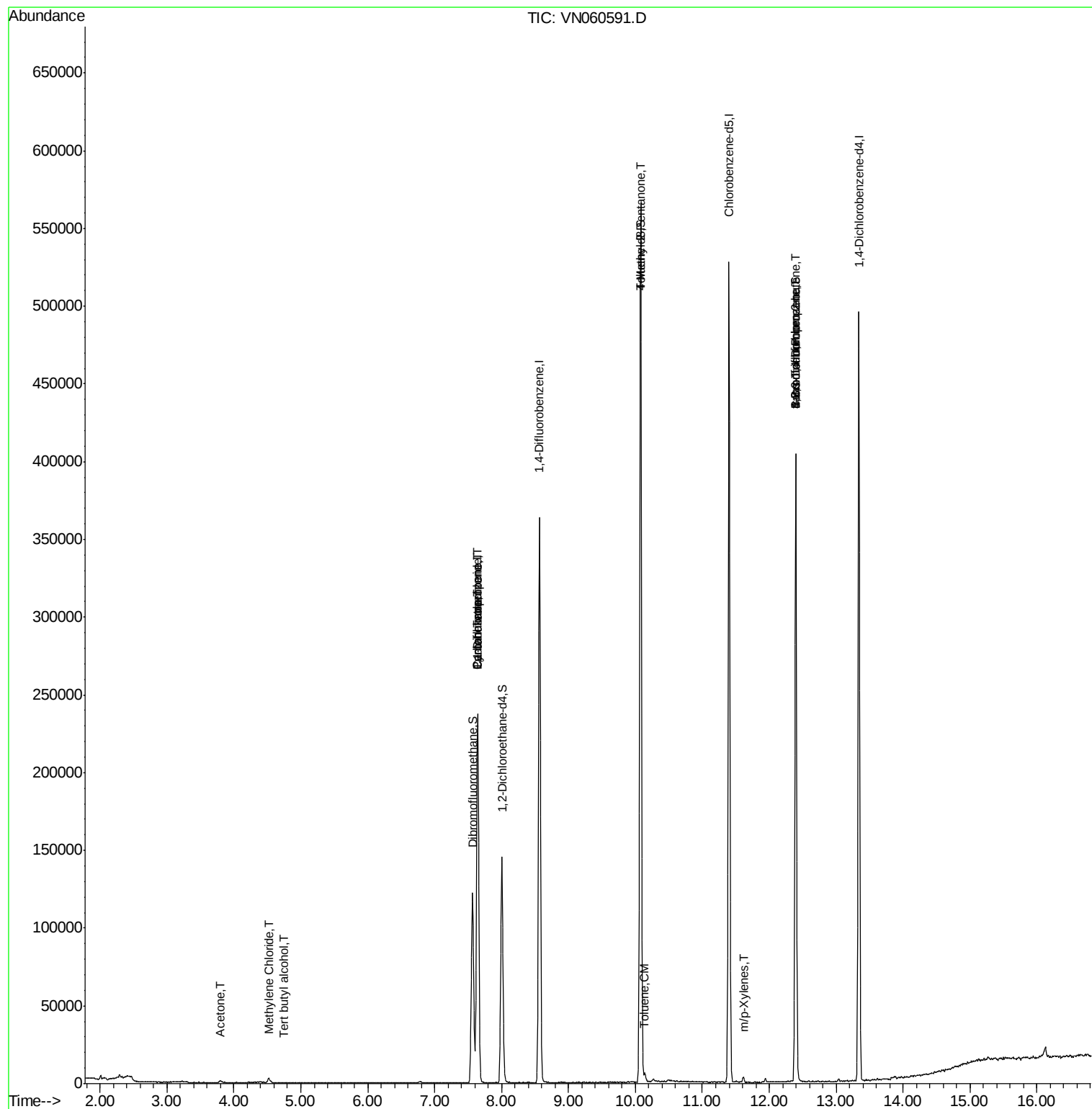
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	199	0.505	ug/l #	72
16) Acetone	3.80	43	2682	2.826	ug/l #	88
20) Methylene Chloride	4.52	84	2226	0.954	ug/l	89
31) Cyclohexane	7.64	56	4127	0.957	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15164	4.928	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18789	6.813	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	1859	0.596	ug/l #	1
52) Toluene	10.14	92	2401	0.428	ug/l	99
68) m/p-Xylenes	11.62	106	1344	0.332	ug/l	95
71) Bromoform	12.39	173	339	1.867	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	72920	26.009	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	72920	66.799	ug/l #	13

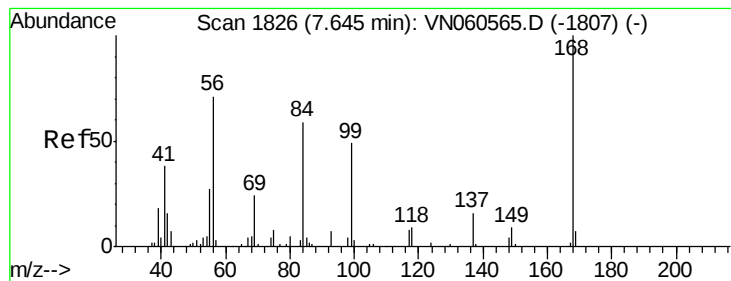
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060591.D

Acq: 18 Mar 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

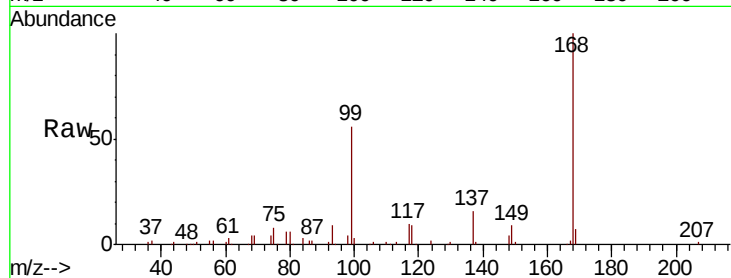
MH-725

Tot Ion:168 Resp: 195144

Ion Ratio Lower Upper

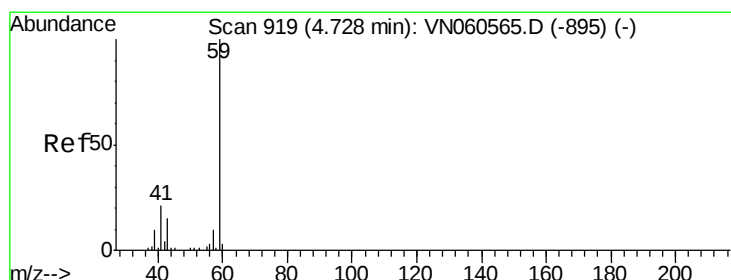
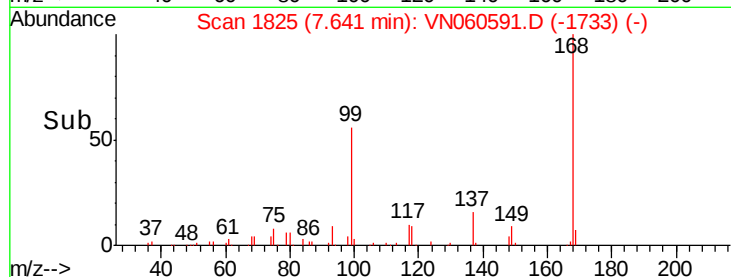
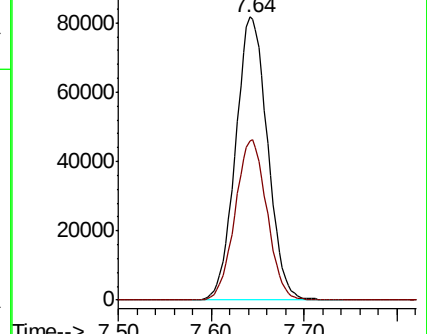
168 100

99 56.4 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 0.505 ug/l

RT: 4.74 min Scan# 922

Delta R.T. 0.01 min

Lab File: VN060591.D

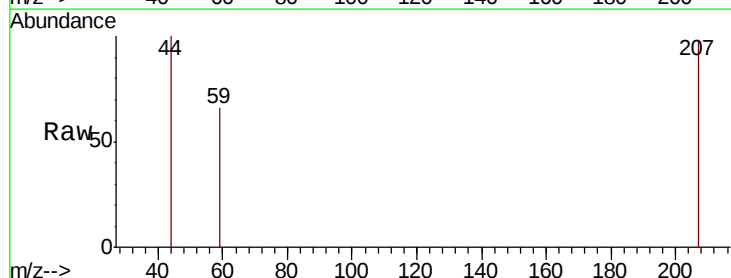
Acq: 18 Mar 2020 14:55

Tgt Ion: 59 Resp: 199

Ion Ratio Lower Upper

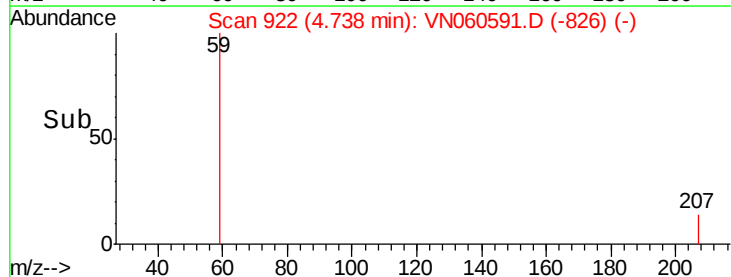
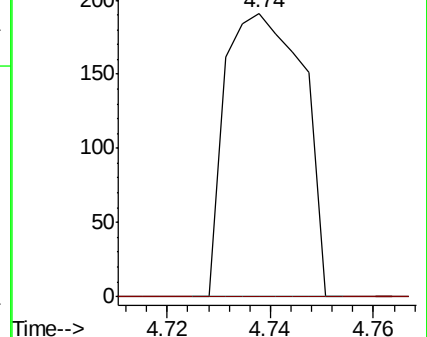
59 100

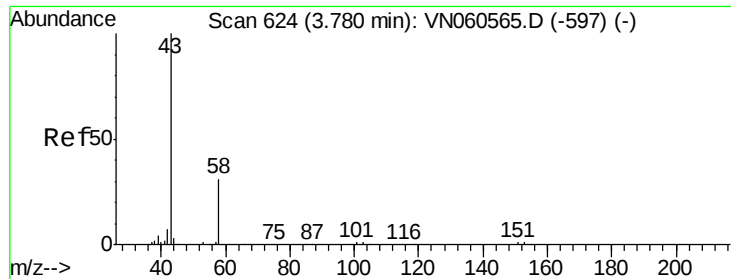
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#16

Acetone

Concen: 2.826 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN060591.D

Acq: 18 Mar 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

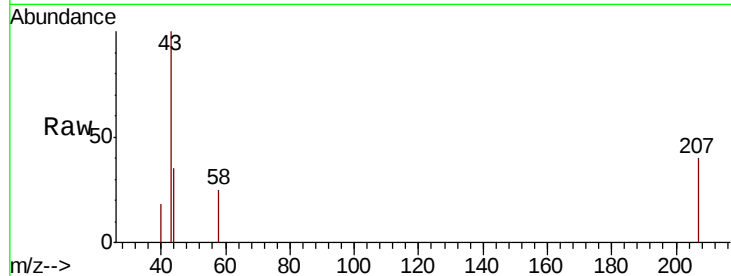
MH-725

Tot Ion: 43 Resp: 2682

Ion Ratio Lower Upper

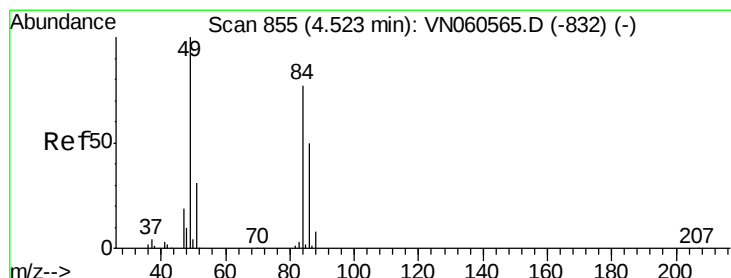
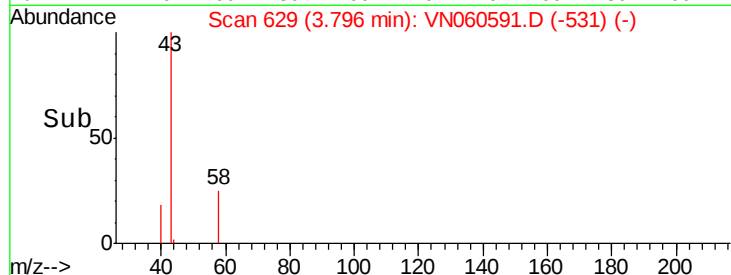
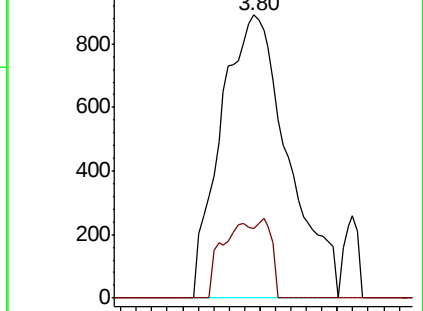
43 100

58 24.6 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VN060591.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060591.D (-531) (-)



#20

Methylene Chloride

Concen: 0.954 ug/l

RT: 4.52 min Scan# 853

Delta R.T. -0.01 min

Lab File: VN060591.D

Acq: 18 Mar 2020 14:55

Tgt Ion: 84 Resp: 2226

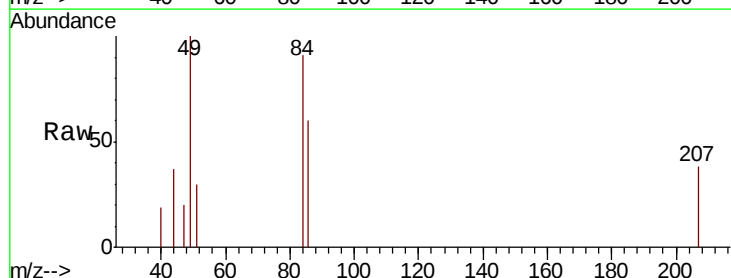
Ion Ratio Lower Upper

84 100

49 109.8 103.3 154.9

51 32.6 31.6 47.4

86 65.8 52.0 78.0

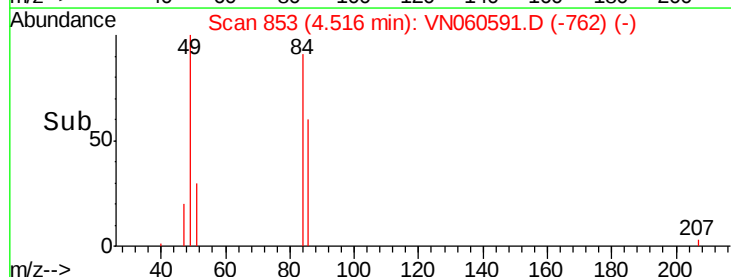
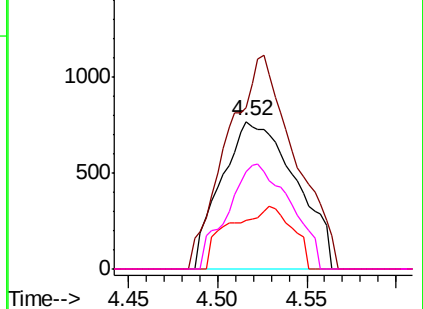


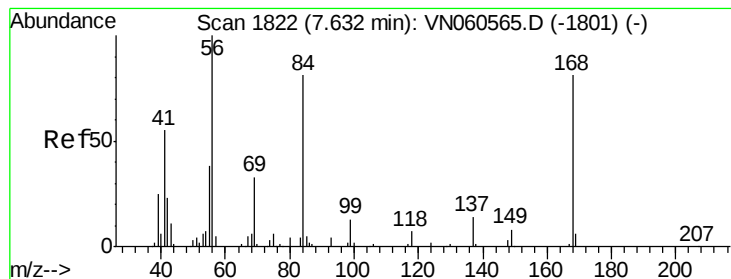
Abundance Ion 83.90 (83.60 to 84.60): VN060591.D (-762) (-)

Ion 48.90 (48.60 to 49.60): VN060591.D (-762) (-)

Ion 50.90 (50.60 to 51.60): VN060591.D (-762) (-)

Ion 85.90 (85.60 to 86.60): VN060591.D (-762) (-)





#31

Cyclohexane

Concen: 0.957 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN060591.D

Acq: 18 Mar 2020 14:55

Instrument :

MSVOA_N

ClientSampled :

MH-725

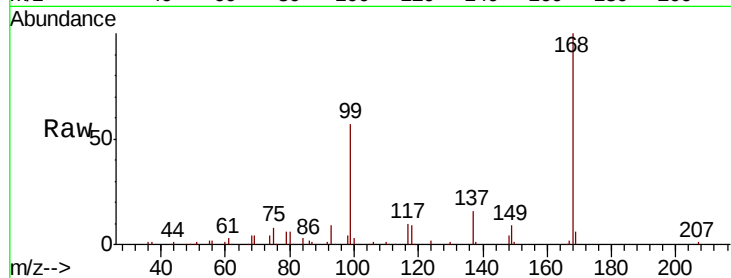
Tot Ion: 56 Resp: 4127

Ion Ratio Lower Upper

56 100

69 177.9 26.6 40.0#

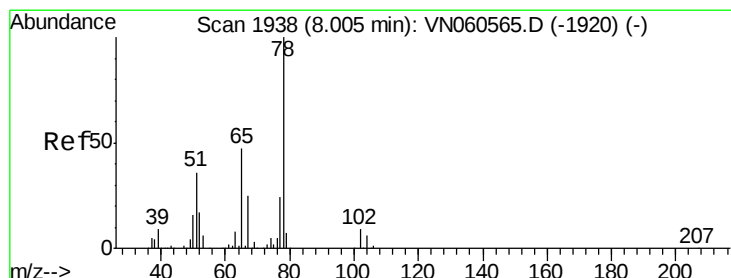
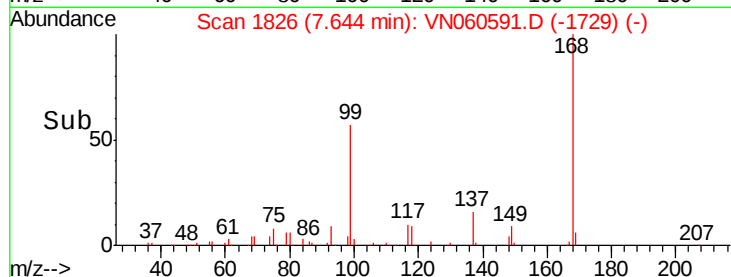
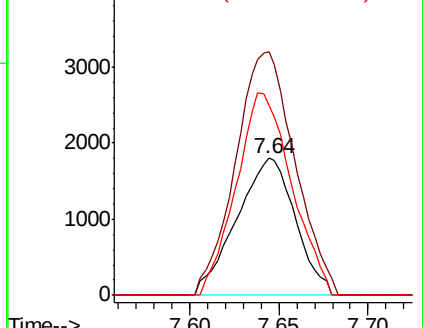
84 138.5 64.3 96.5#



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: 46.420 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060591.D

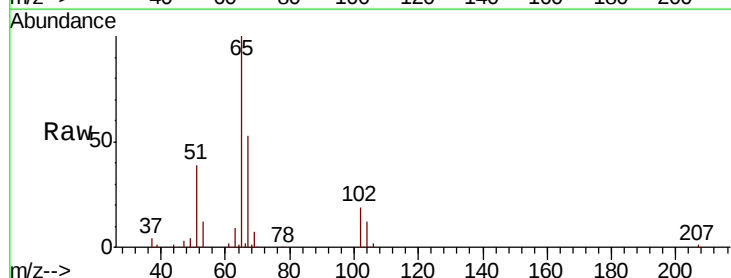
Acq: 18 Mar 2020 14:55

Tgt Ion: 65 Resp: 124353

Ion Ratio Lower Upper

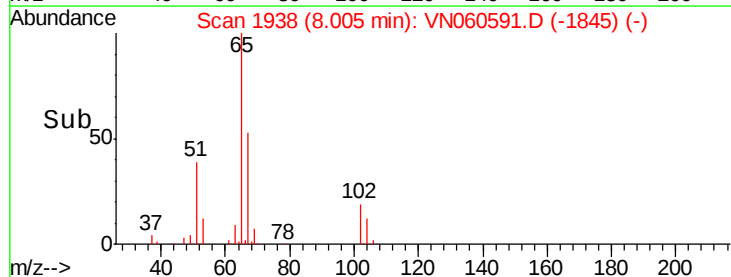
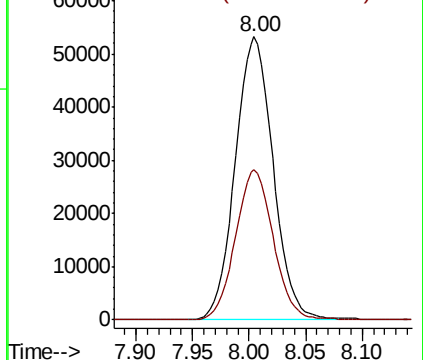
65 100

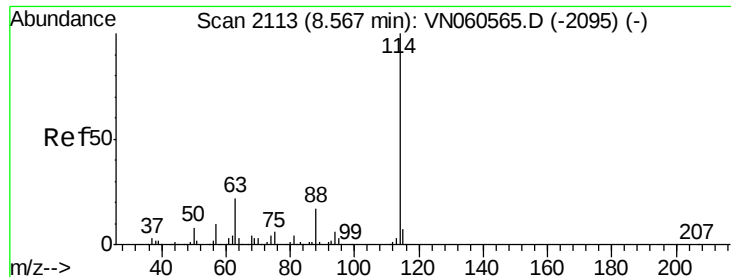
67 52.9 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

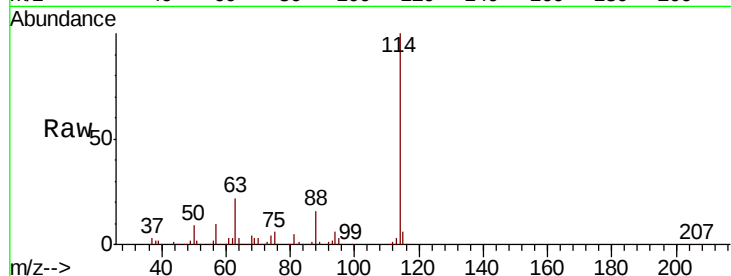




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VN060591.D
Acq: 18 Mar 2020 14:55

Instrument :
MSVOA_N
ClientSampleId :
MH-725

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	43.8
88	16.5	0.0	33.0

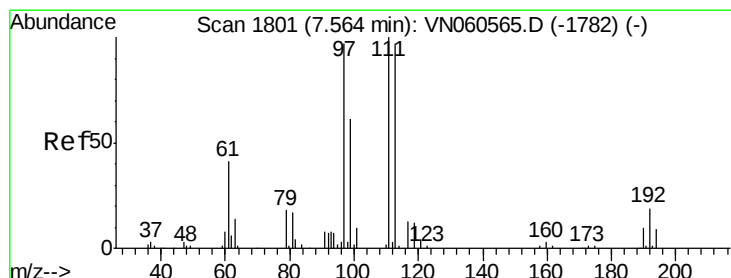
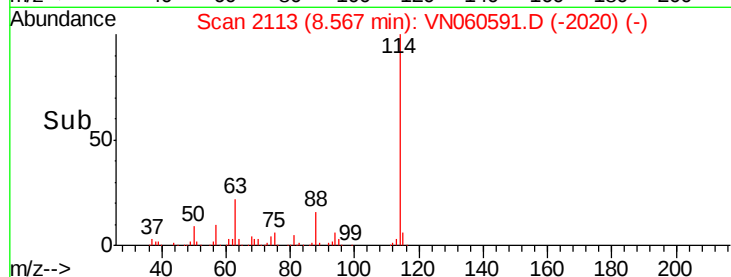
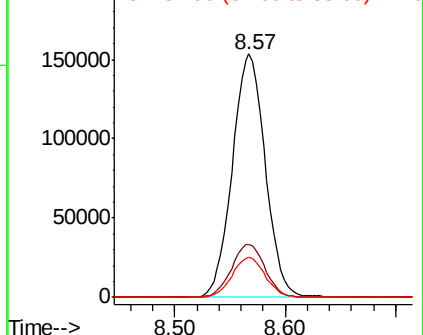


Abundance

Ion 113.90 (113.60 to 114.60): V

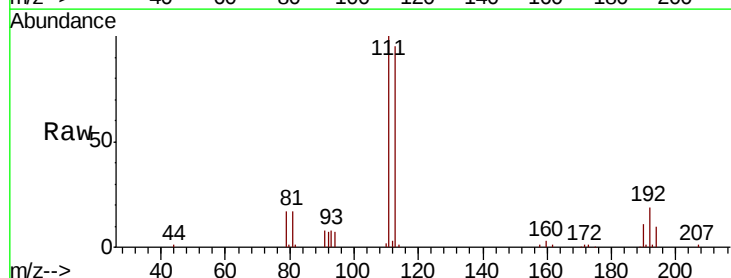
Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35
Dibromofluoromethane
Concen: 49.323 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060591.D
Acq: 18 Mar 2020 14:55

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.9	124.3
192	20.3	15.8	23.8

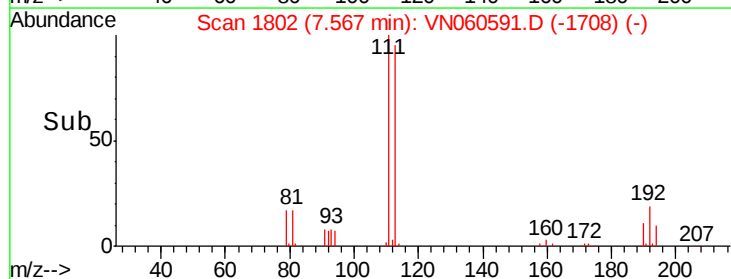
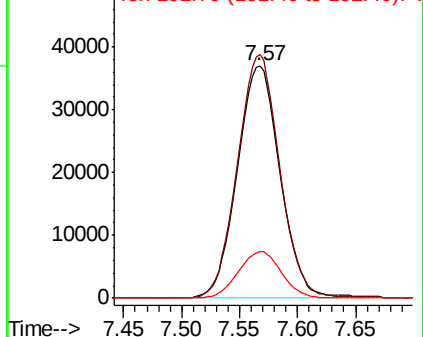


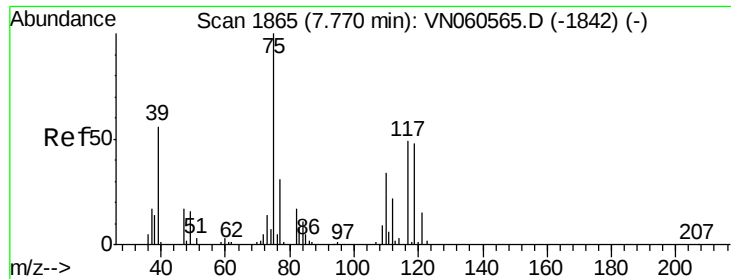
Abundance

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

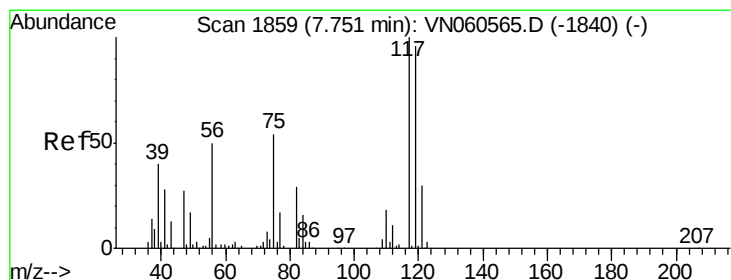
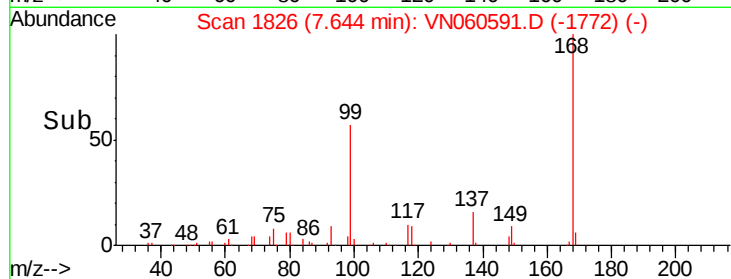
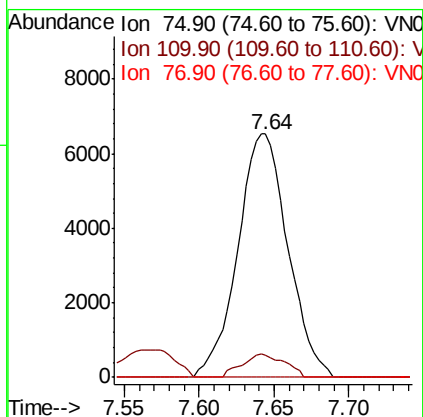
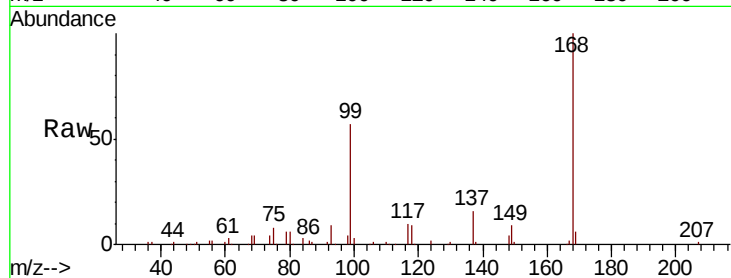




#36
 1,1-Dichloropropene
 Concen: 4.928 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060591.D
 Acq: 18 Mar 2020 14:55

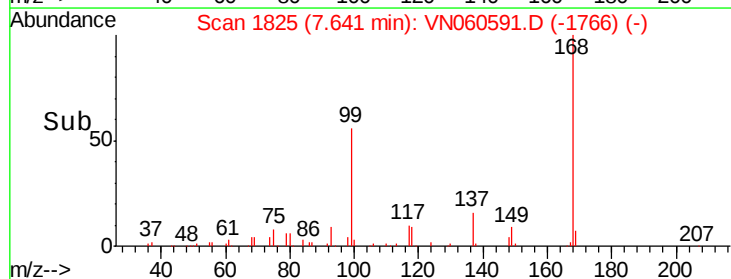
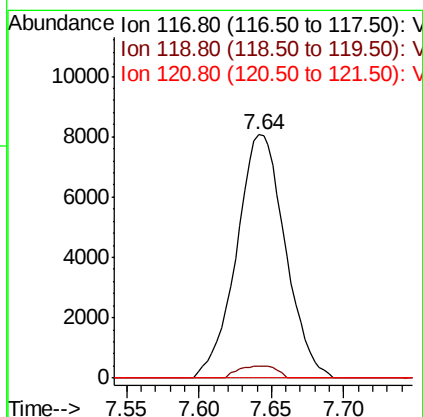
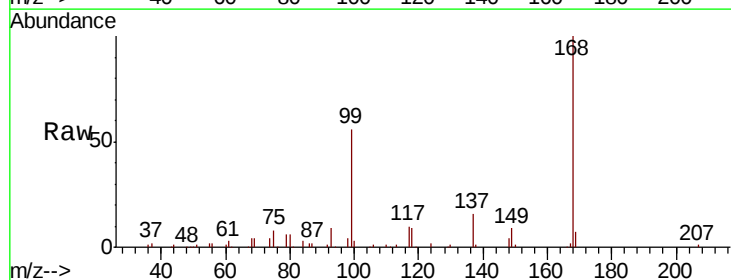
Instrument :
 MSVOA_N
 ClientSampled :
 MH-725

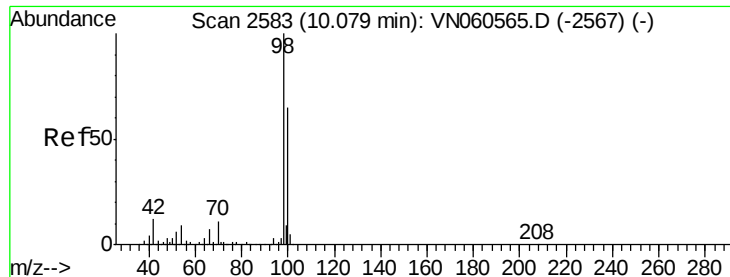
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	16.9	50.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.813 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060591.D
 Acq: 18 Mar 2020 14:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.2	114.2#
121	0.0	23.7	35.5#





#50

Toluene-d8

Concen: 49.994 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060591.D

Acq: 18 Mar 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

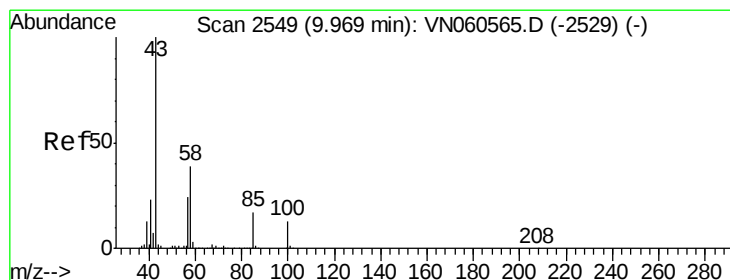
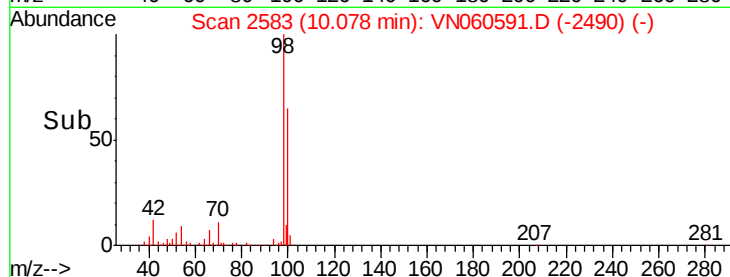
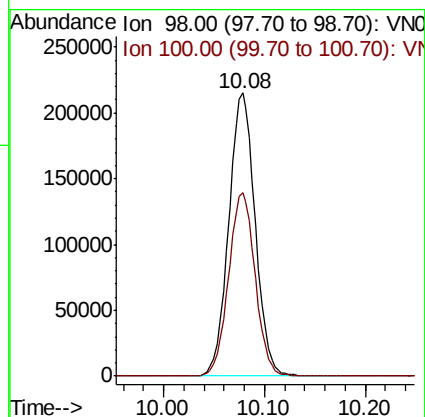
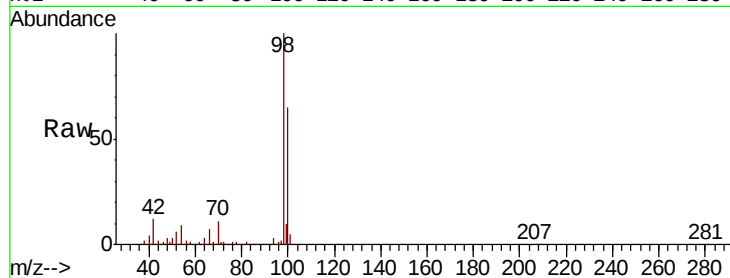
MH-725

Tot Ion: 98 Resp: 392367

Ion Ratio Lower Upper

98 100

100 65.2 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 0.596 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN060591.D

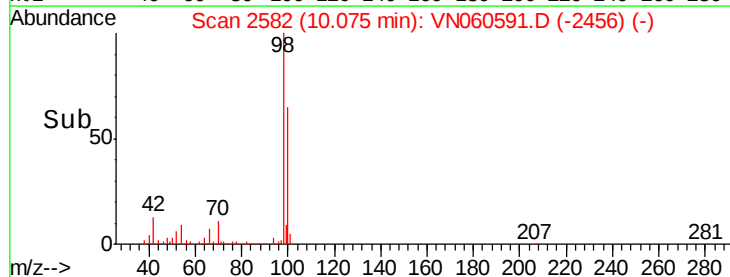
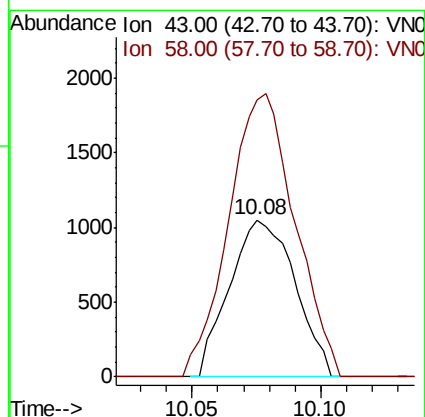
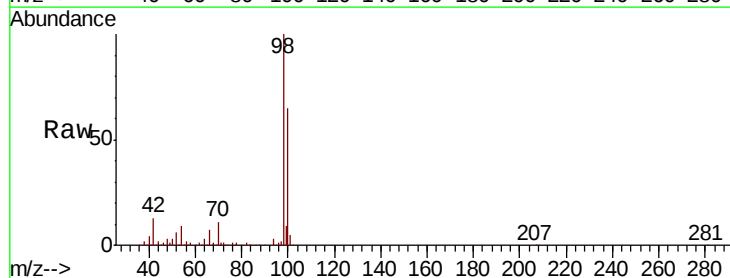
Acq: 18 Mar 2020 14:55

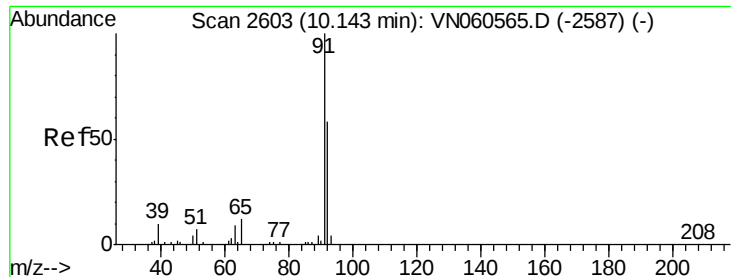
Tgt Ion: 43 Resp: 1859

Ion Ratio Lower Upper

43 100

58 181.9 30.8 46.2#





#52

Toluene

Concen: 0.428 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060591.D

Acq: 18 Mar 2020 14:55

Instrument :

MSVOA_N

ClientSampled :

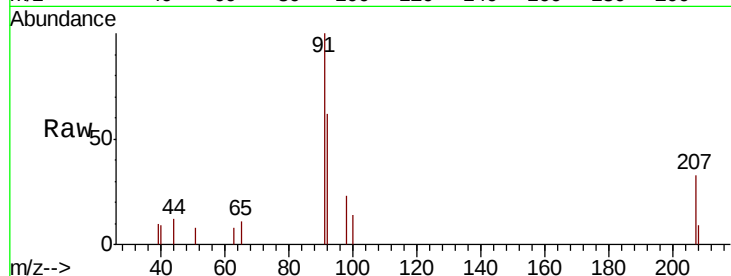
MH-725

Tot Ion: 92 Resp: 2401

Ion Ratio Lower Upper

92 100

91 173.5 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060565.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN060565.D (-2587) (-)

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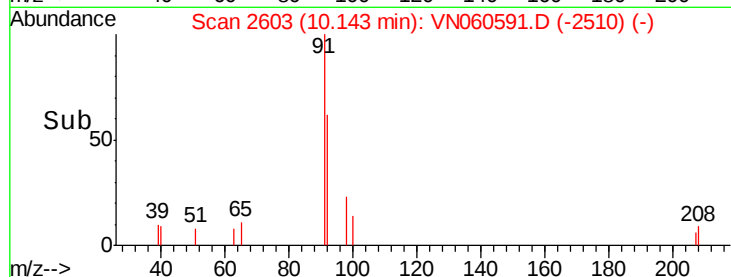
10.14

10.14

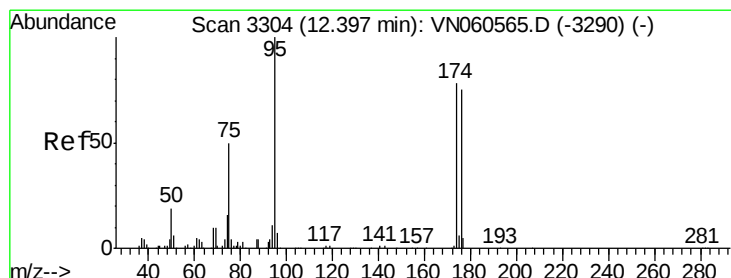
10.14

10.14

10.14



Time-->



#62

4-Bromofluorobenzene

Concen: 49.474 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060591.D

Acq: 18 Mar 2020 14:55

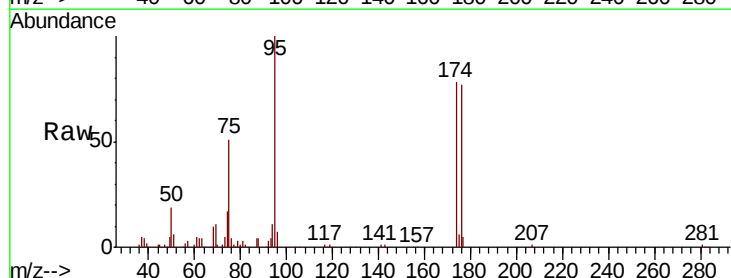
Tgt Ion: 95 Resp: 142300

Ion Ratio Lower Upper

95 100

174 77.8 0.0 157.6

176 77.1 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060565.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060565.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060565.D (-3290) (-)

12.40

12.40

12.40

12.40

12.40

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12.40

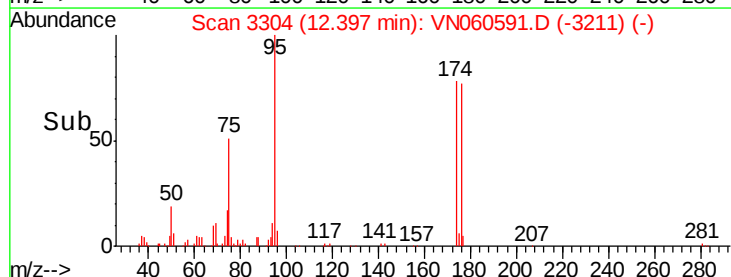
12.40

12.40

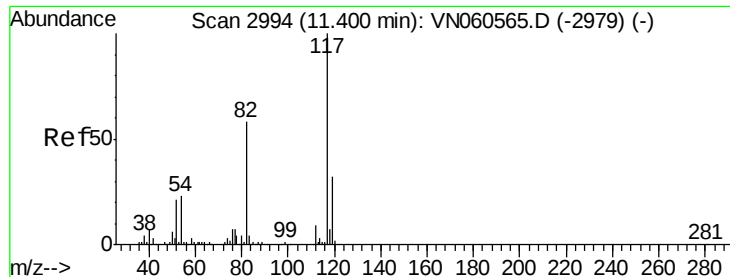
12.40

12.40

12.40



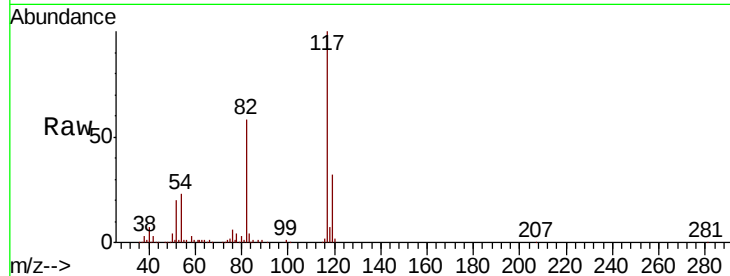
Time-->



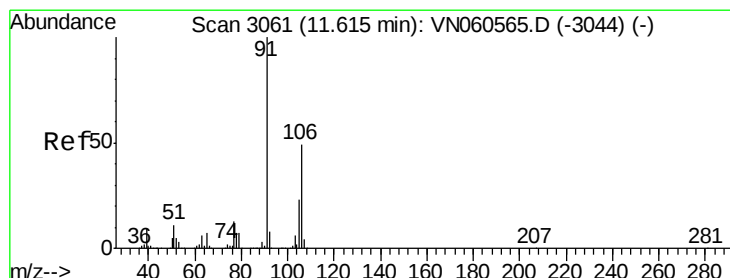
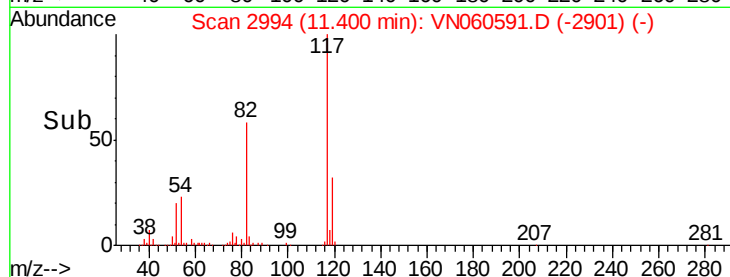
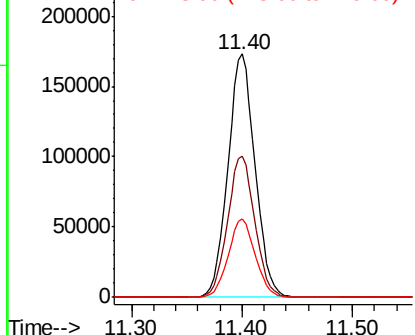
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060591.D
Acq: 18 Mar 2020 14:55

Instrument :
MSVOA_N
ClientSampled :
MH-725

Tot Ion:117 Resp: 295212
Ion Ratio Lower Upper
117 100
82 57.8 46.7 70.1
119 32.2 25.5 38.3

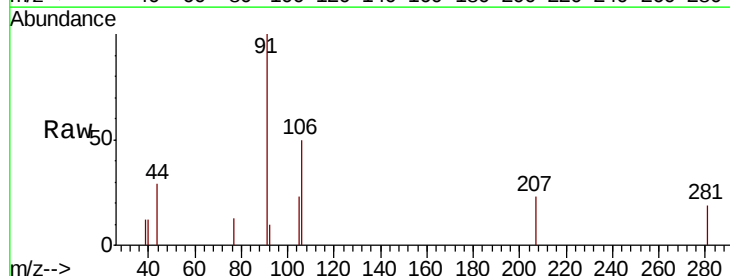


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

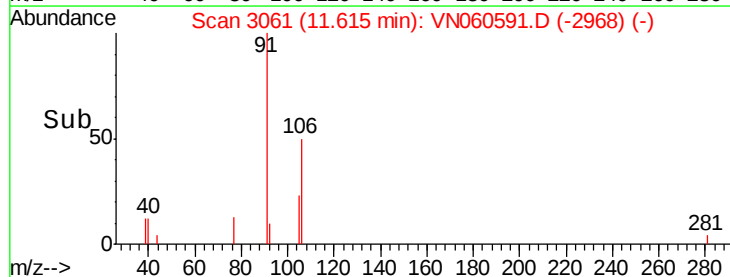
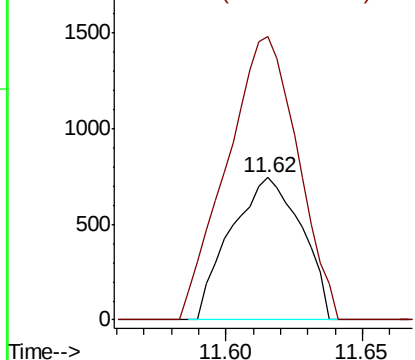


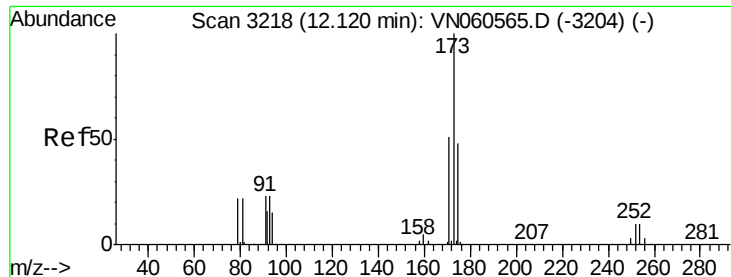
#68
m/p-Xylenes
Concen: 0.332 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060591.D
Acq: 18 Mar 2020 14:55

Tgt Ion:106 Resp: 1344
Ion Ratio Lower Upper
106 100
91 198.6 165.0 247.4



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





#71

Bromoform

Concen: 1.867 ug/l

RT: 12.39 min Scan# 3302

Delta R.T. 0.27 min

Lab File: VN060591.D

Acq: 18 Mar 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

MH-725

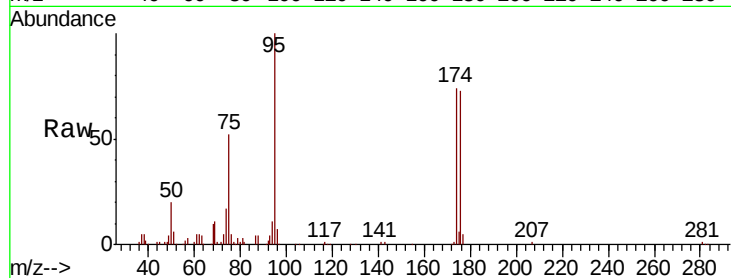
Tot Ion:173 Resp: 339

Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.4#

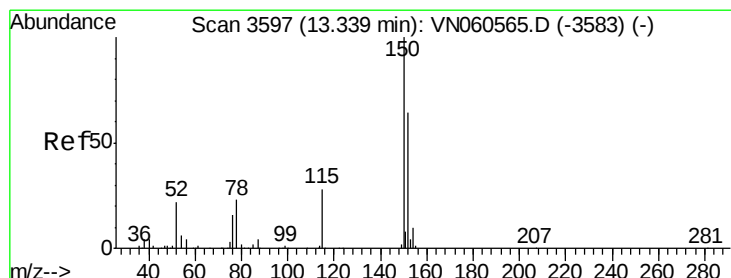
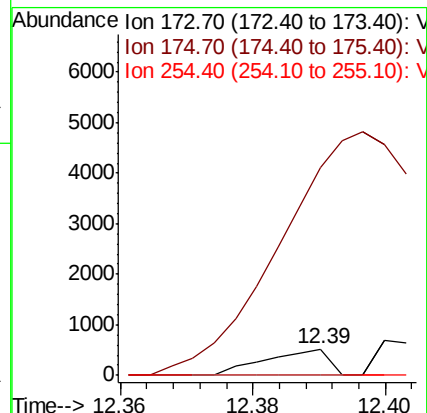
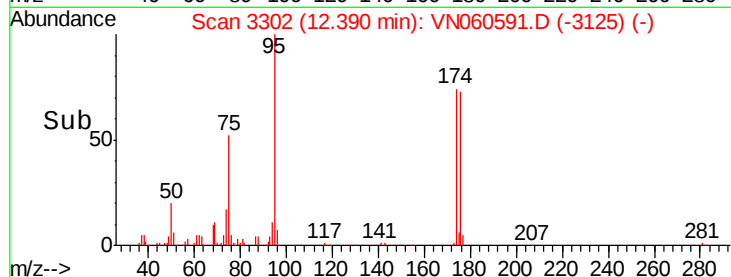
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060591.D

Acq: 18 Mar 2020 14:55

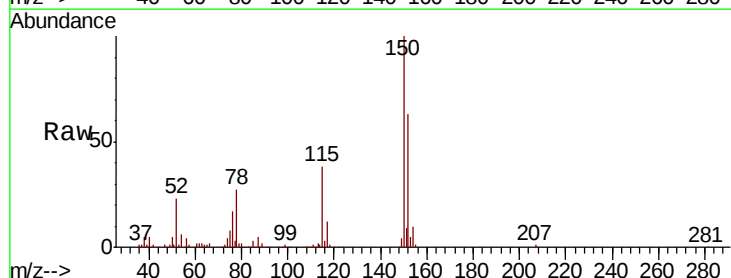
Tgt Ion:152 Resp: 129930

Ion Ratio Lower Upper

152 100

115 59.5 30.2 90.6

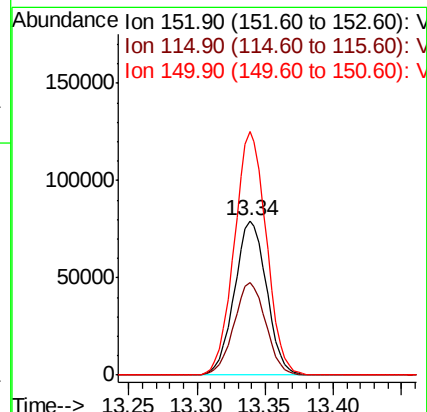
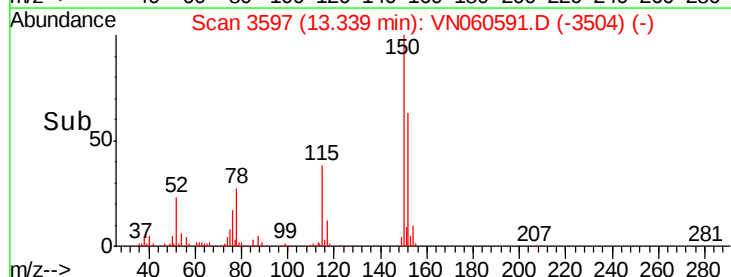
150 157.0 0.0 350.2

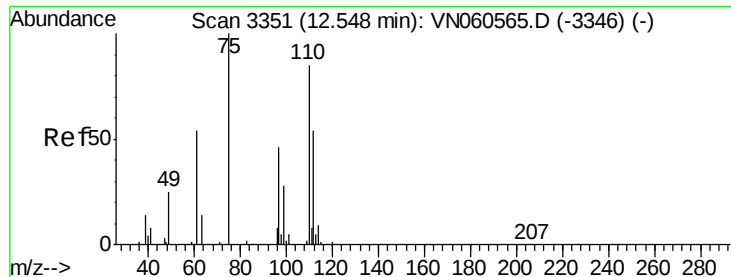


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.009 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060591.D

Acq: 18 Mar 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

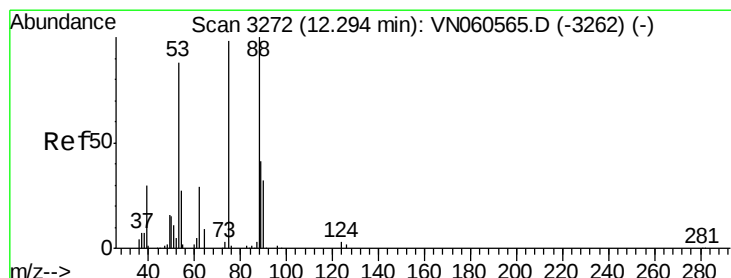
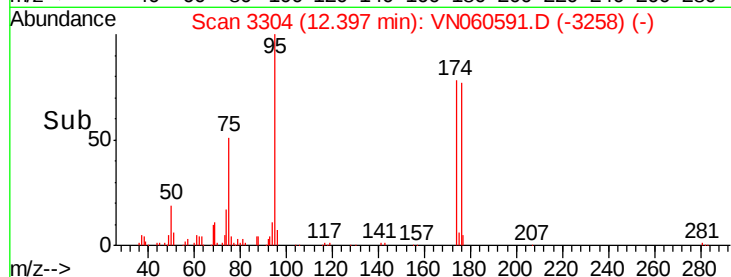
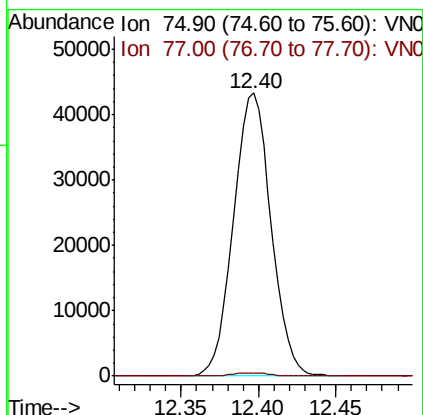
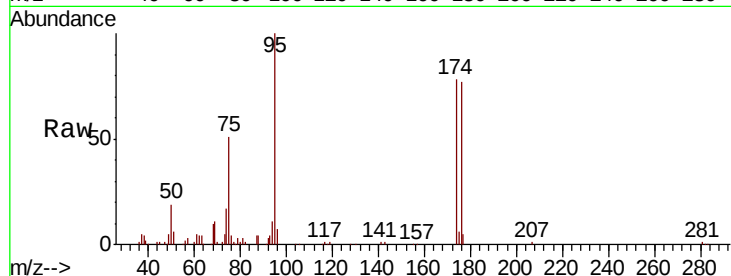
MH-725

Tot Ion: 75 Resp: 72920

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.799 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060591.D

Acq: 18 Mar 2020 14:55

Tgt Ion: 75 Resp: 72920

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

