

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120718\
 Data File : VN052725.D
 Acq On : 7 Dec 2018 14:32
 Operator : MD\SY
 Sample : J6019-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

Quant Time: Dec 07 22:19:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1097396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1708261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1467232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	513722	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	580200	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
35) Dibromofluoromethane	7.59	113	523446	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
50) Toluene-d8	10.09	98	2073386	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
62) 4-Bromofluorobenzene	12.40	95	625122	45.38	ug/l	0.00
Spiked Amount			Recovery	=	90.76%	

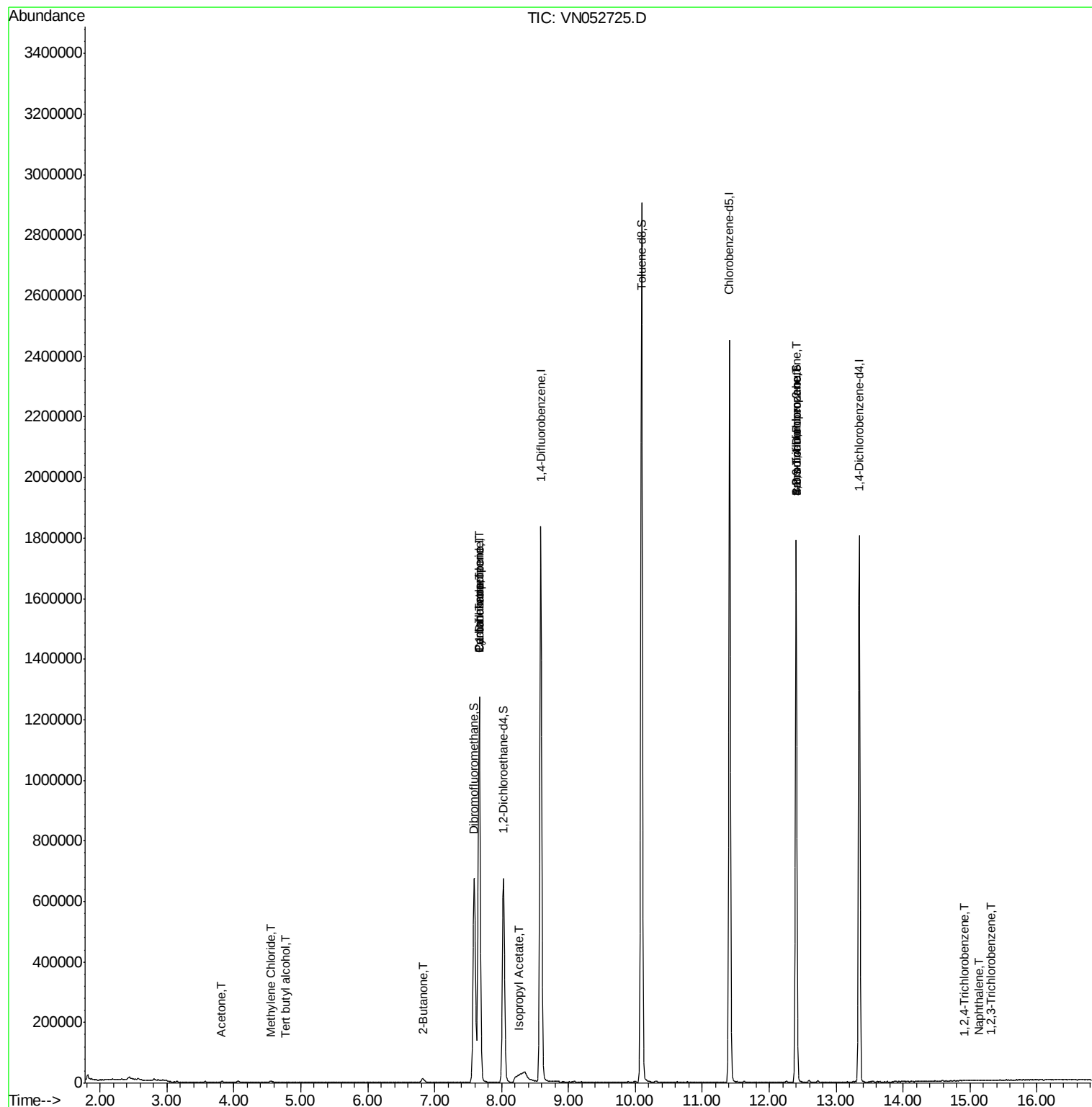
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.77	59	177	0.296	ug/l #	73
16) Acetone	3.82	43	5765	1.829	ug/l	99
20) Methylene Chloride	4.56	84	2787	0.226	ug/l	84
25) 2-Butanone	6.84	43	1002	0.224	ug/l #	50
31) Cyclohexane	7.66	56	19391	0.582	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	74854	4.640	ug/l #	50
38) Carbon Tetrachloride	7.67	117	97389	6.669	ug/l #	16
43) Isopropyl Acetate	8.25	43	30312	1.819	ug/l #	51
71) Bromoform	12.40	173	3925	0.564	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	297478	37.551	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	297478	125.404	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	440	2.875	ug/l #	40
95) Naphthalene	15.13	128	751	3.465	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.32	180	454	2.778	ug/l #	55

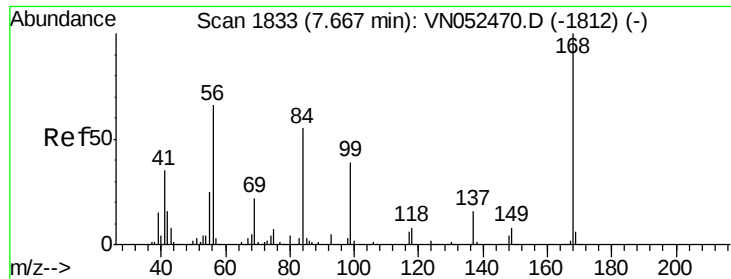
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120718\
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Quant Time: Dec 07 22:19:25 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052725.D

Acq: 7 Dec 2018 14:32

Instrument :

MSVOA_N

ClientSampled :

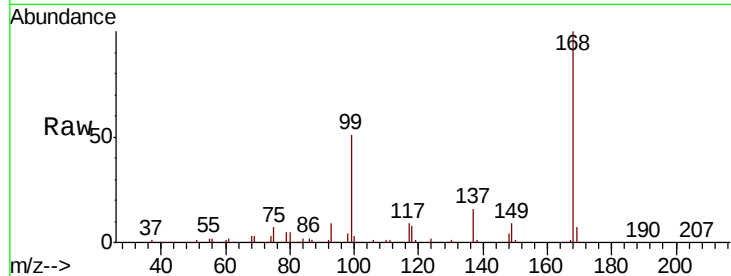
MW-6

Tot Ion:168 Resp: 1097396

Ion Ratio Lower Upper

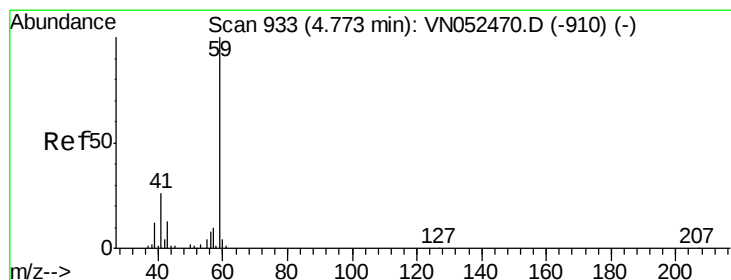
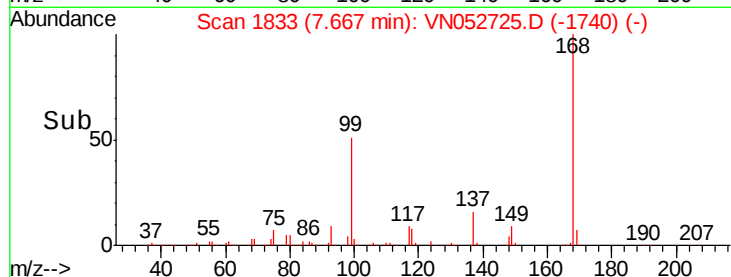
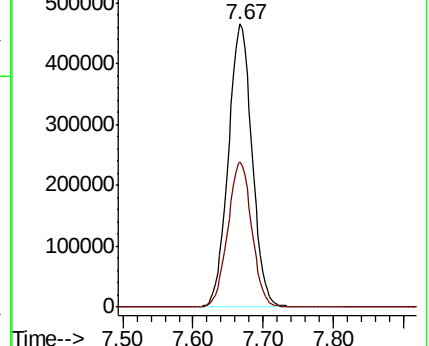
168 100

99 51.5 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 0.296 ug/l

RT: 4.77 min Scan# 933

Delta R.T. 0.00 min

Lab File: VN052725.D

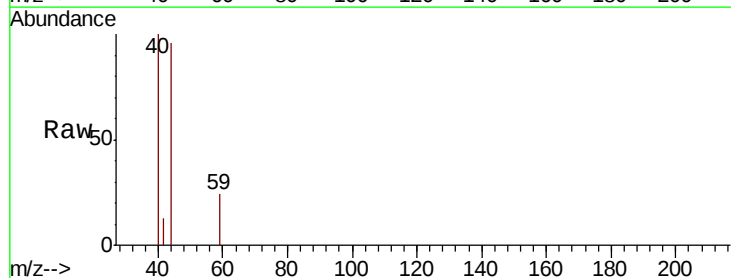
Acq: 7 Dec 2018 14:32

Tgt Ion: 59 Resp: 177

Ion Ratio Lower Upper

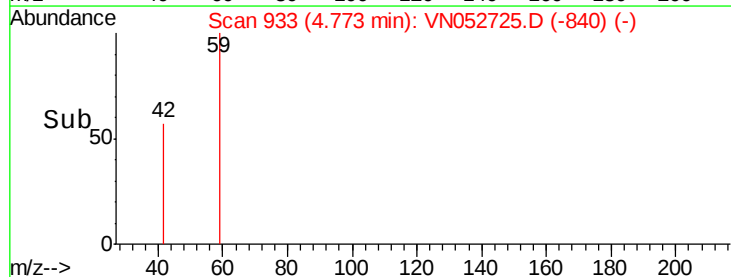
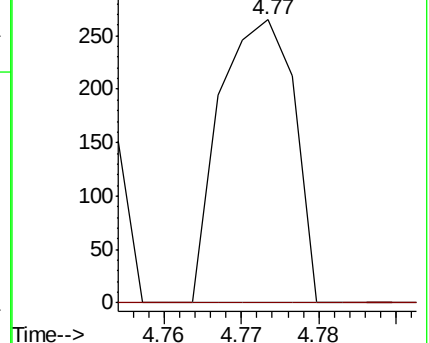
59 100

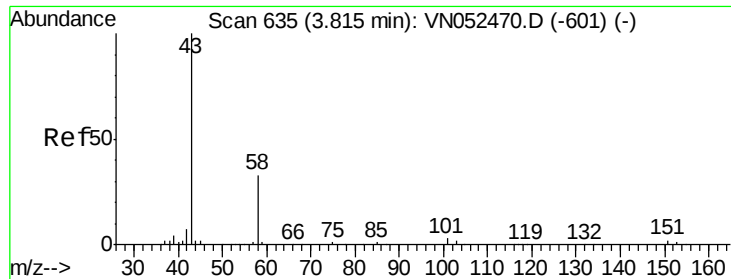
57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 1.829 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052725.D

Acq: 7 Dec 2018 14:32

Instrument :

MSVOA_N

ClientSampled :

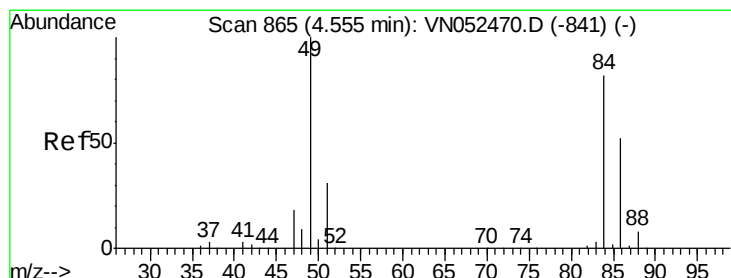
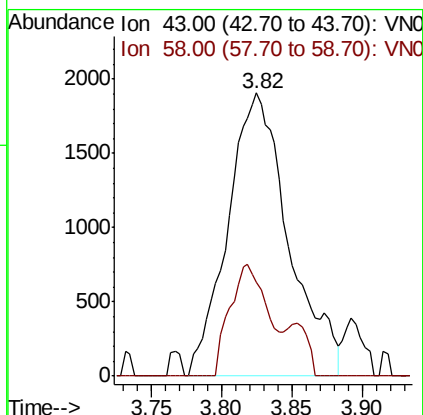
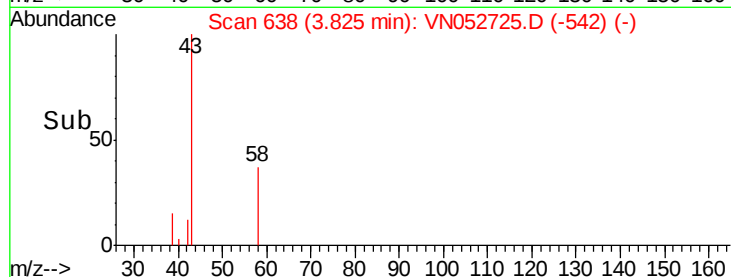
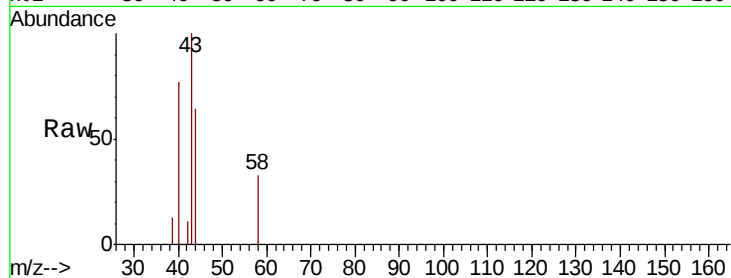
MW-6

Tot Ion: 43 Resp: 5765

Ion Ratio Lower Upper

43 100

58 33.2 26.0 39.0



#20

Methylene Chloride

Concen: 0.226 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN052725.D

Acq: 7 Dec 2018 14:32

Tgt Ion: 84 Resp: 2787

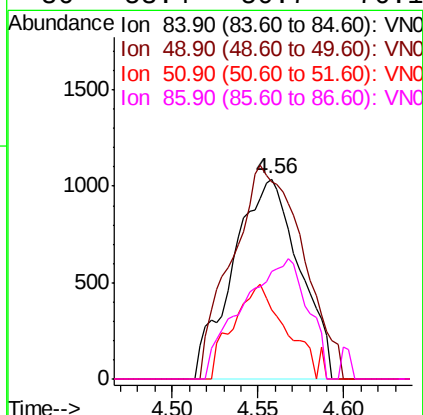
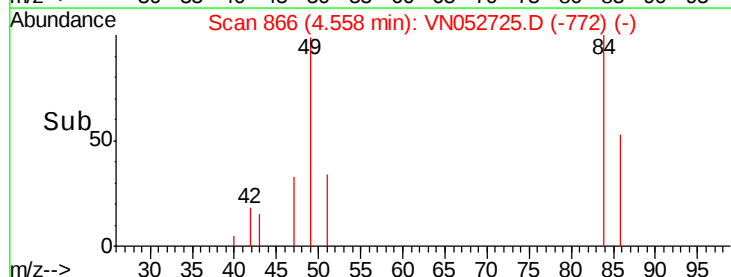
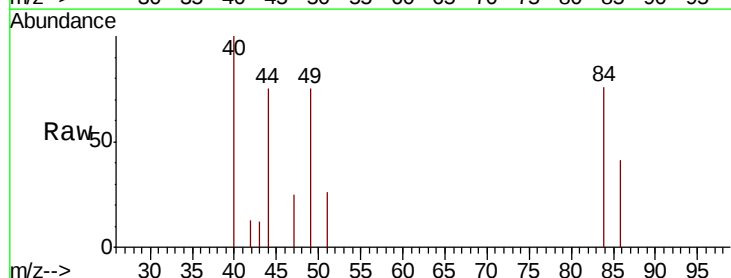
Ion Ratio Lower Upper

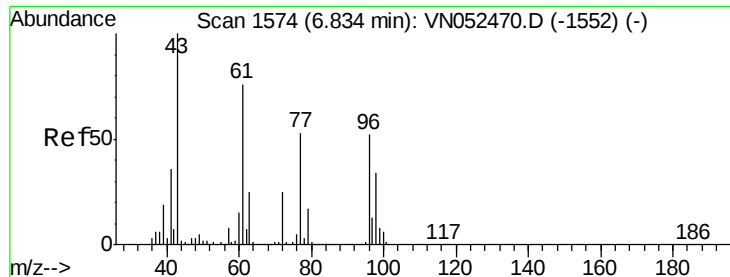
84 100

49 98.6 98.0 147.0

51 34.3 30.1 45.1

86 53.4 50.7 76.1

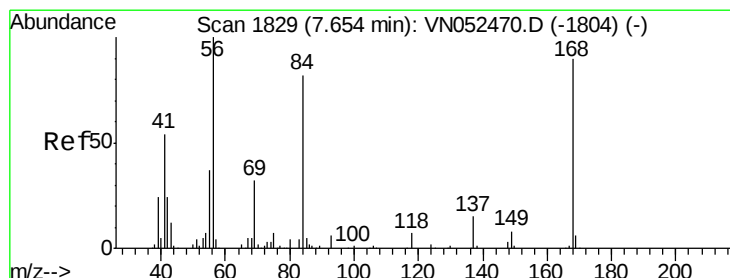
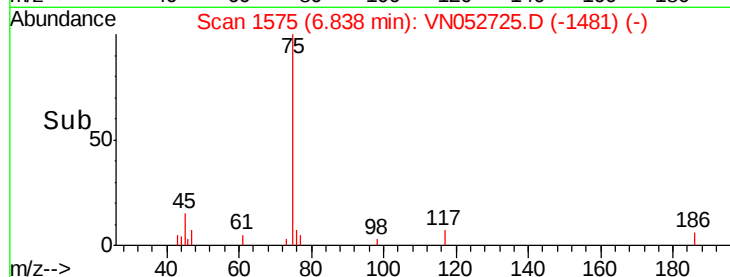
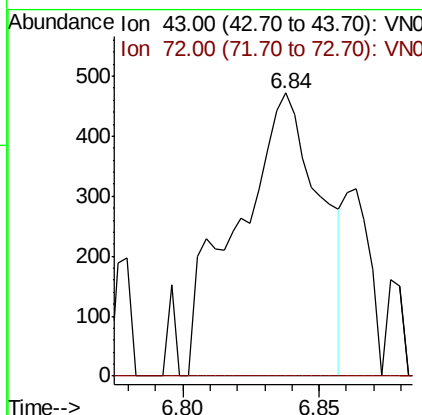
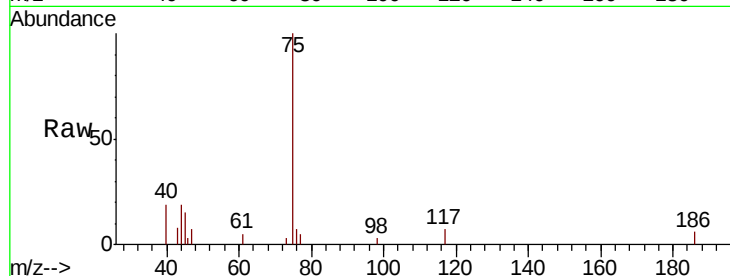




#25
2-Butanone
Concen: 0.224 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052725.D
Acq: 7 Dec 2018 14:32

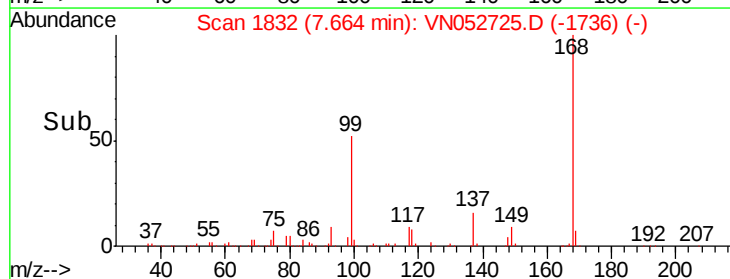
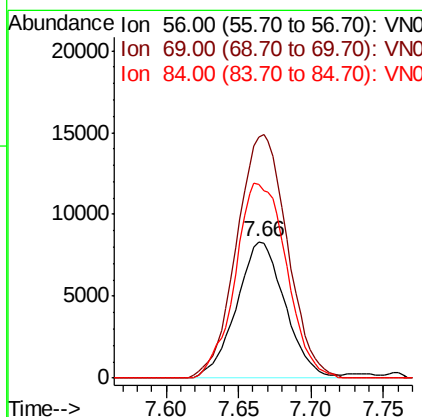
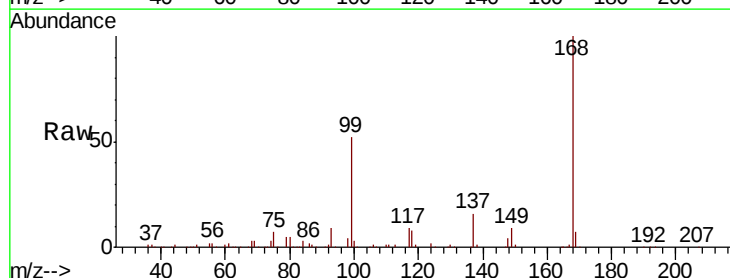
Instrument :
MSVOA_N
ClientSampled :
MW-6

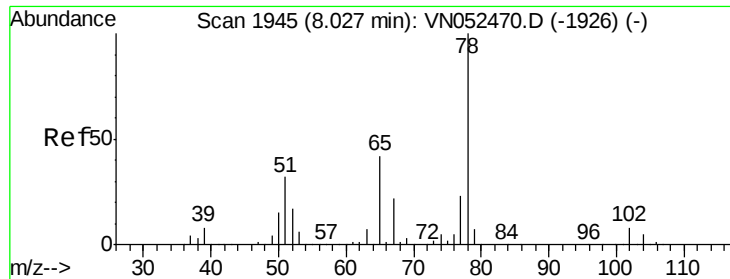
Tot Ion: 43 Resp: 1002
Ion Ratio Lower Upper
43 100
72 0.0 20.1 30.1#



#31
Cyclohexane
Concen: 0.582 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052725.D
Acq: 7 Dec 2018 14:32

Tgt Ion: 56 Resp: 19391
Ion Ratio Lower Upper
56 100
69 176.9 25.8 38.6#
84 142.1 65.3 97.9#

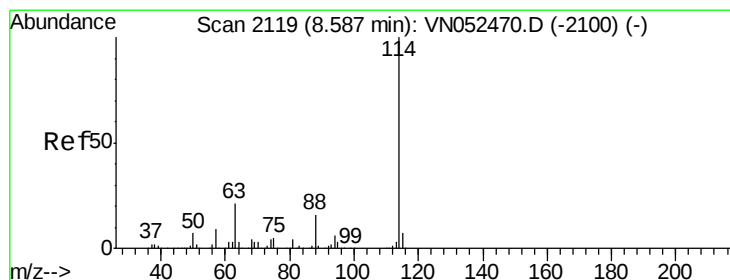
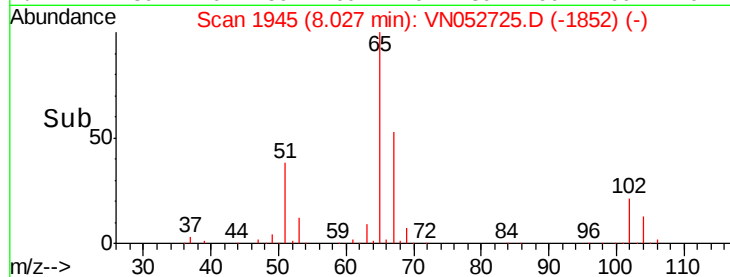
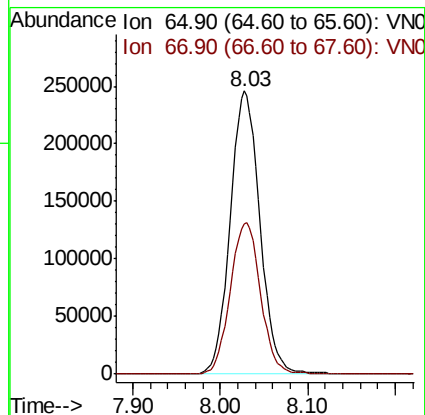
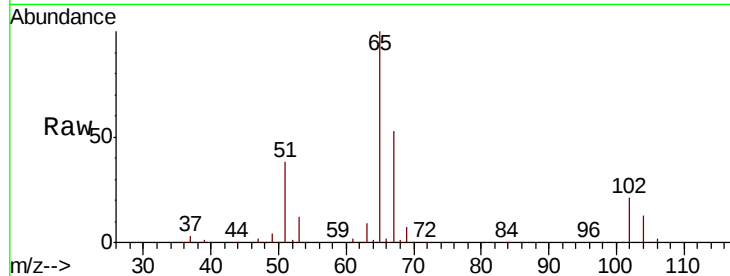




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052725.D
 Acq: 7 Dec 2018 14:32

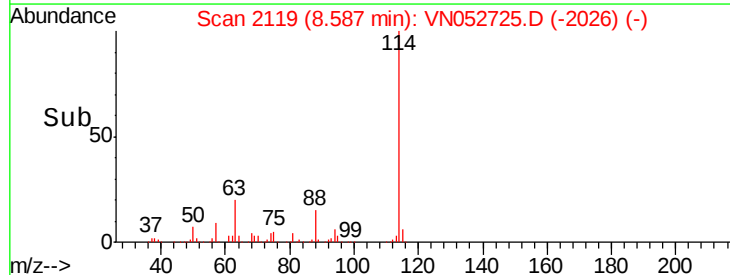
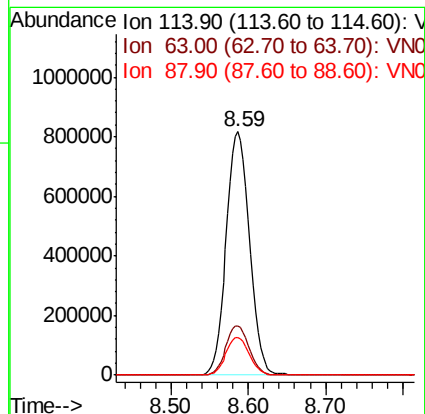
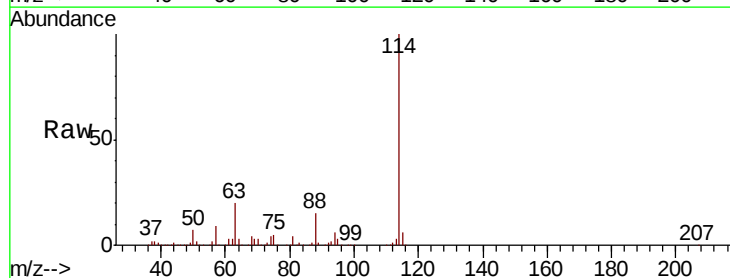
Instrument :
 MSVOA_N
 ClientSampled :
 MW-6

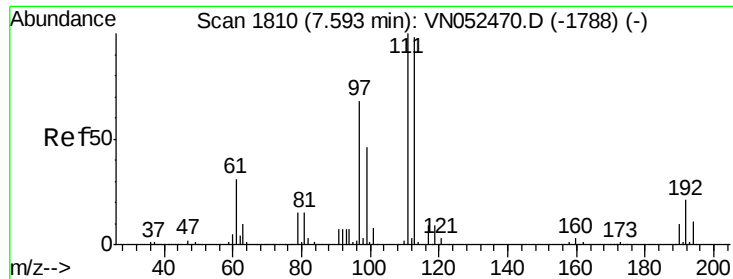
Tot Ion: 65 Resp: 580200
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052725.D
 Acq: 7 Dec 2018 14:32

Tgt Ion: 114 Resp: 1708261
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.8
 88 15.5 0.0 31.6

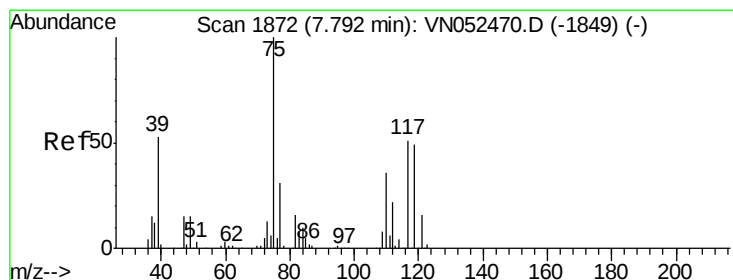
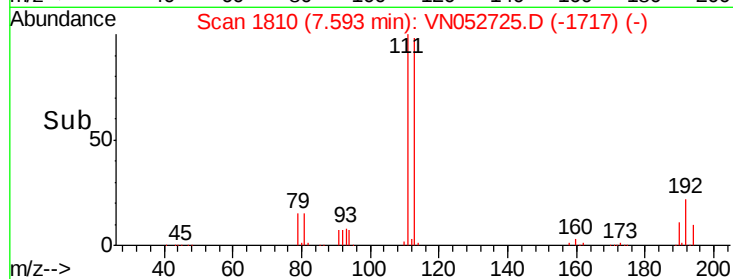
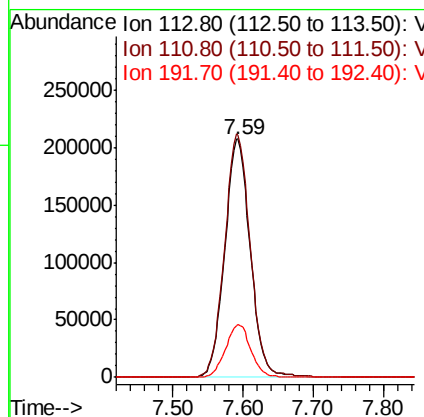
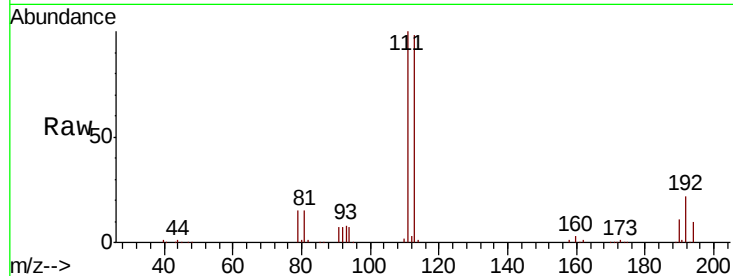




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052725.D
Acq: 7 Dec 2018 14:32

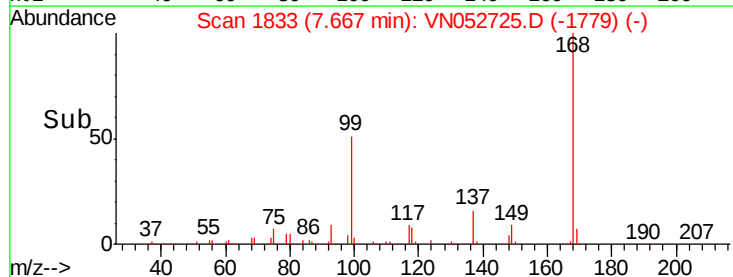
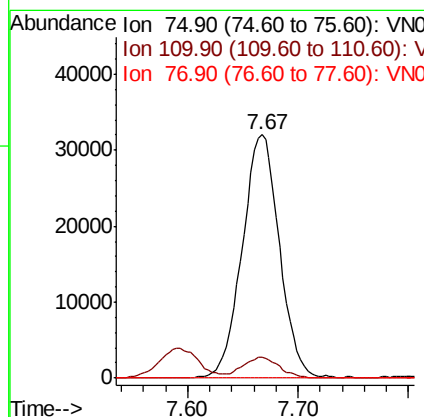
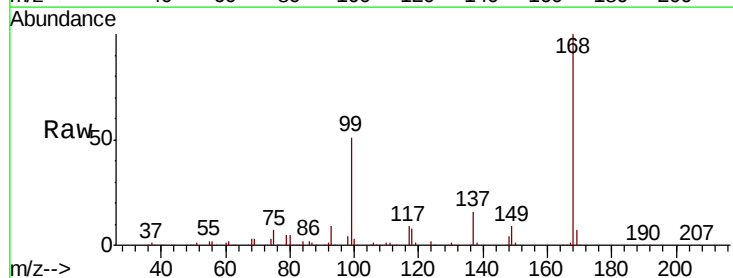
Instrument :
MSVOA_N
ClientSampled :
MW-6

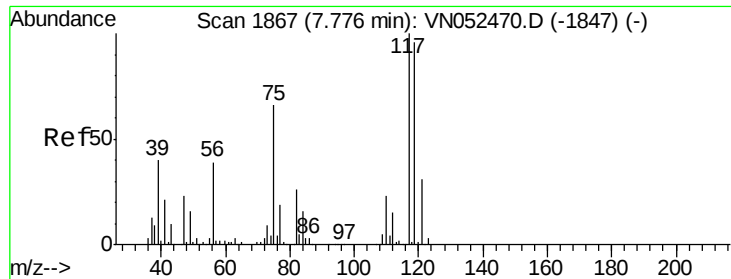
Tot Ion:113 Resp: 523446
Ion Ratio Lower Upper
113 100
111 103.0 82.0 123.0
192 22.1 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.640 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.13 min
Lab File: VN052725.D
Acq: 7 Dec 2018 14:32

Tgt Ion: 75 Resp: 74854
Ion Ratio Lower Upper
75 100
110 8.5 17.5 52.6#
77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.669 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052725.D

Acq: 7 Dec 2018 14:32

Instrument :

MSVOA_N

ClientSampled :

MW-6

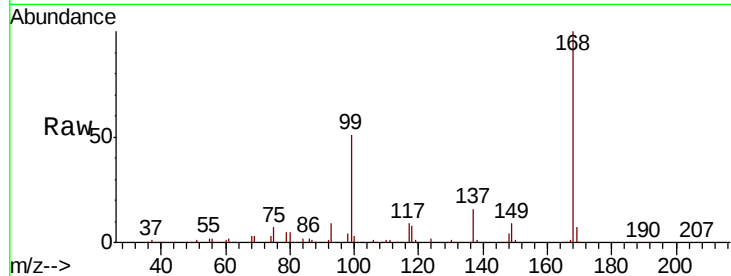
Tot Ion:117 Resp: 97389

Ion Ratio Lower Upper

117 100

119 5.6 76.8 115.2#

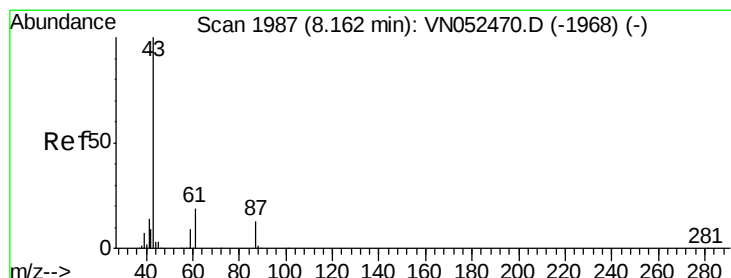
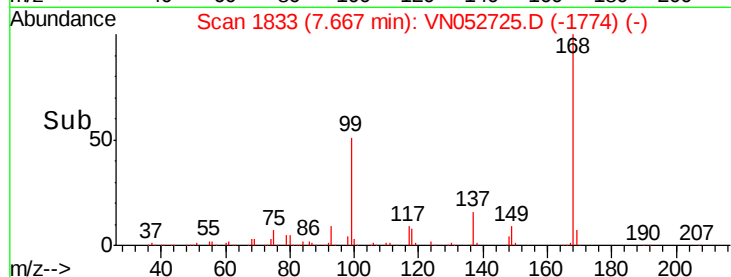
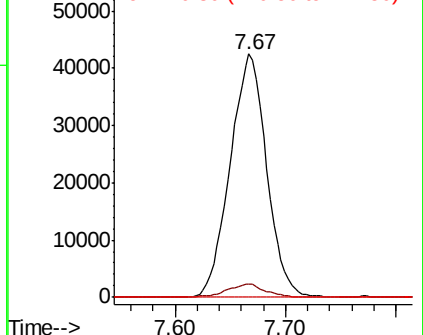
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 1.819 ug/l

RT: 8.25 min Scan# 2013

Delta R.T. 0.08 min

Lab File: VN052725.D

Acq: 7 Dec 2018 14:32

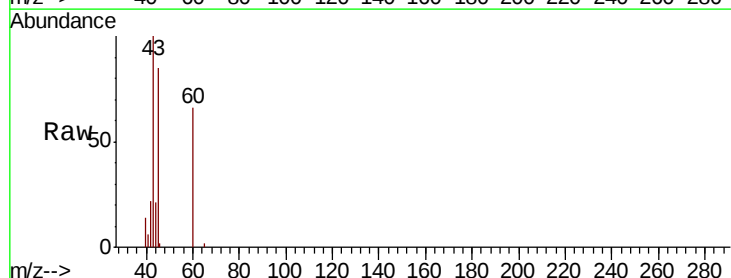
Tgt Ion: 43 Resp: 30312

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

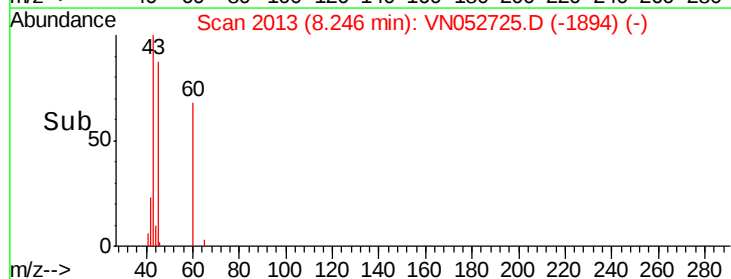
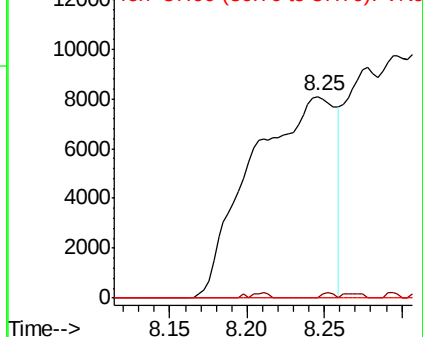
87 0.0 10.6 15.8#

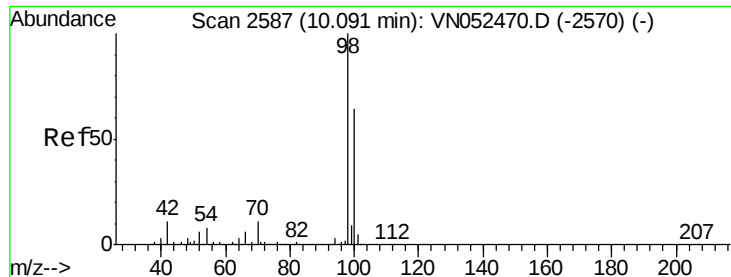


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052725.D

Acq: 7 Dec 2018 14:32

Instrument :

MSVOA_N

ClientSampled :

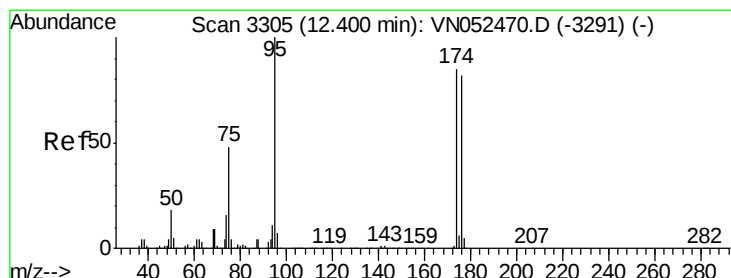
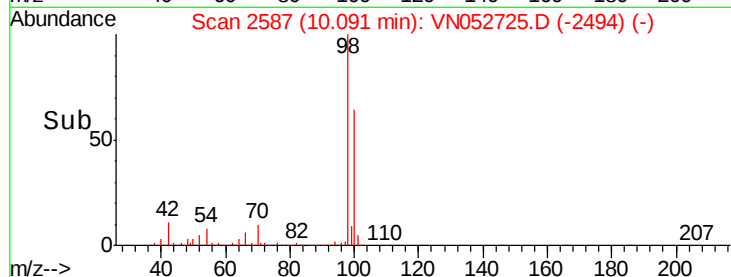
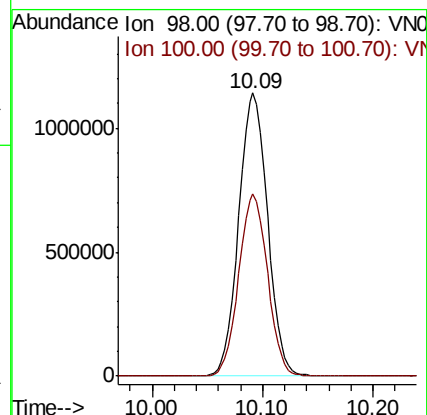
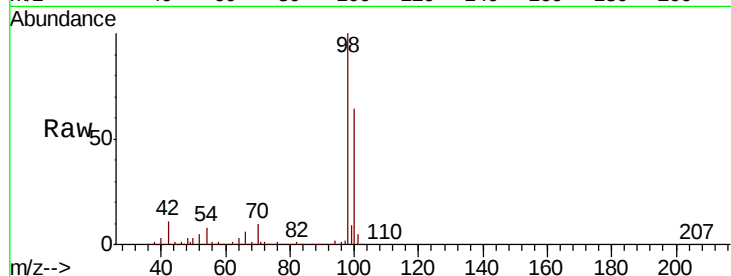
MW-6

Tot Ion: 98 Resp: 2073386

Ion Ratio Lower Upper

98 100

100 64.2 51.3 76.9



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052725.D

Acq: 7 Dec 2018 14:32

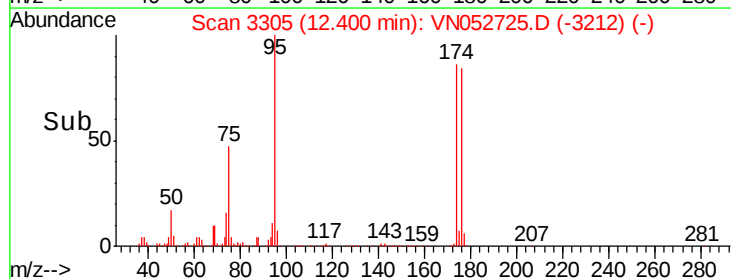
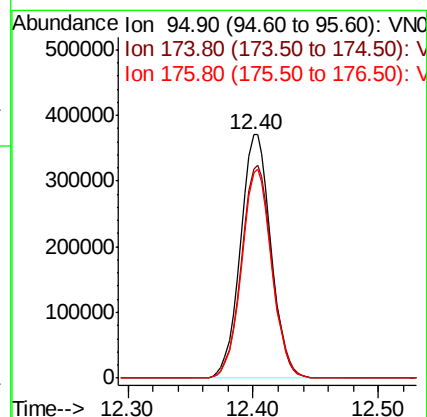
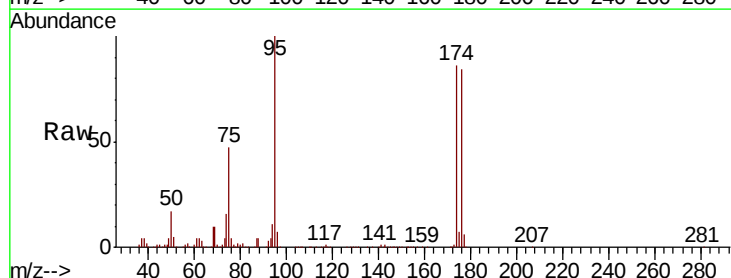
Tgt Ion: 95 Resp: 625122

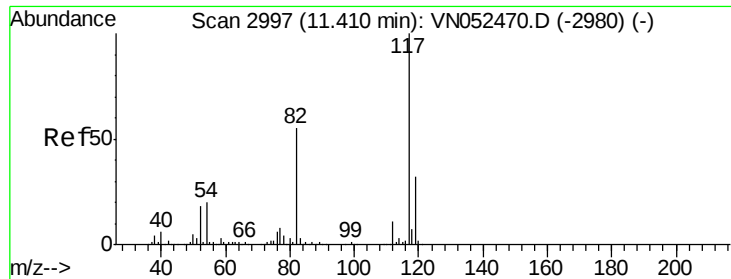
Ion Ratio Lower Upper

95 100

174 87.6 0.0 173.0

176 84.4 0.0 166.2

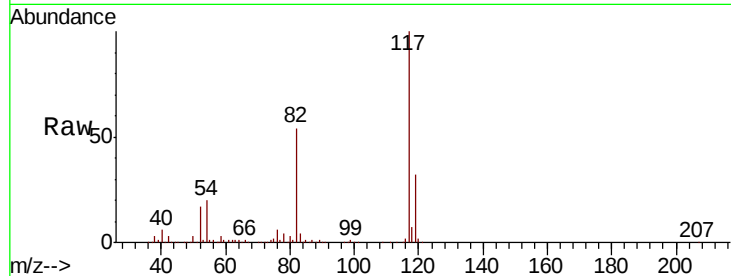




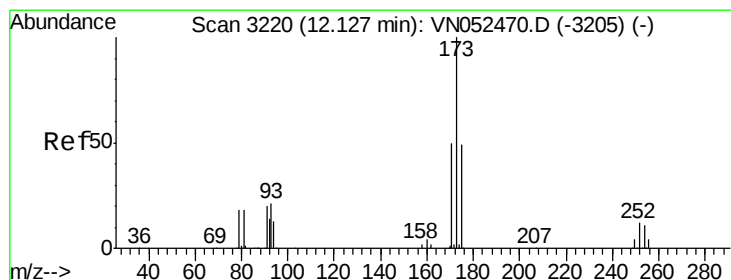
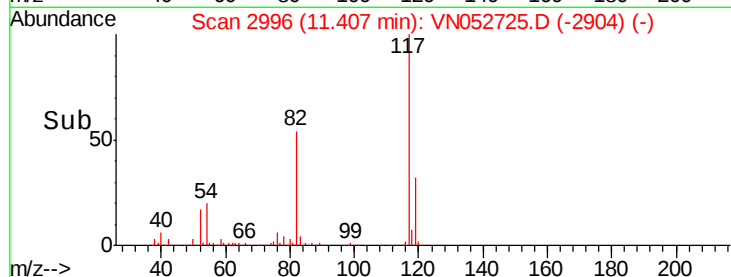
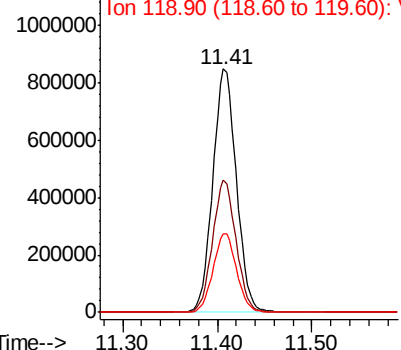
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052725.D
Acq: 7 Dec 2018 14:32

Instrument :
MSVOA_N
ClientSampled :
MW-6

Tot Ion:117 Resp: 1467232
Ion Ratio Lower Upper
117 100
82 54.2 43.6 65.4
119 32.2 25.4 38.2

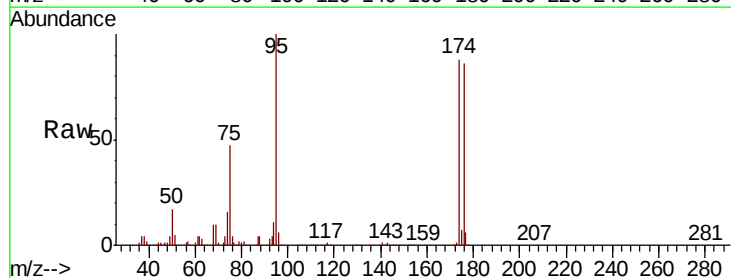


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

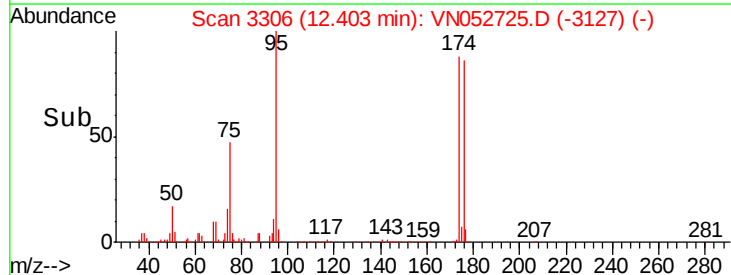
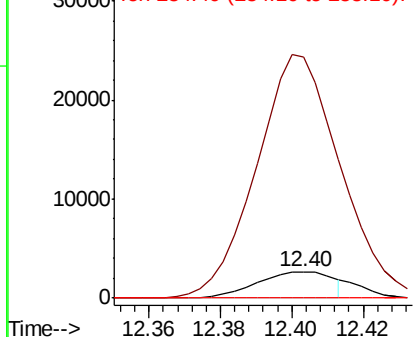


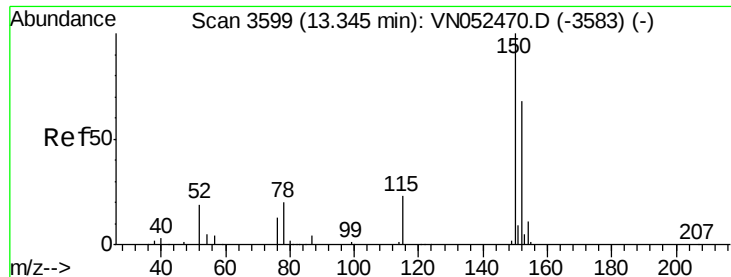
#71
Bromoform
Concen: 0.564 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052725.D
Acq: 7 Dec 2018 14:32

Tgt Ion:173 Resp: 3925
Ion Ratio Lower Upper
173 100
175 881.4 24.4 73.2#
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052725.D

Acq: 7 Dec 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

MW-6

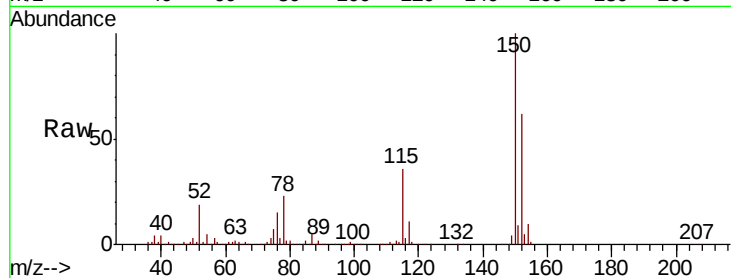
Tot Ion:152 Resp: 513722

Ion Ratio Lower Upper

152 100

115 56.0 28.4 85.2

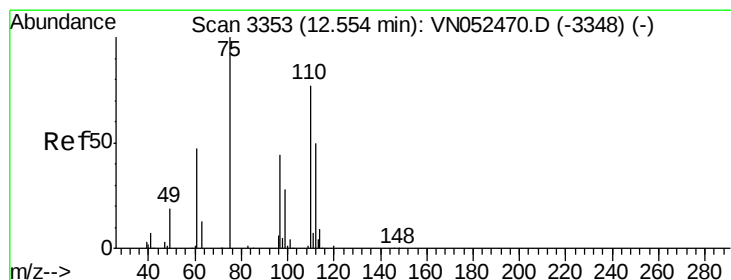
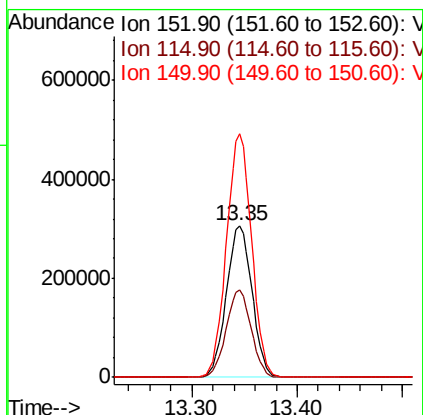
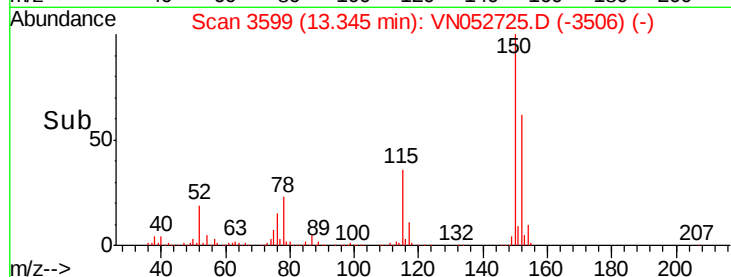
150 156.9 0.0 346.0



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: 37.551 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052725.D

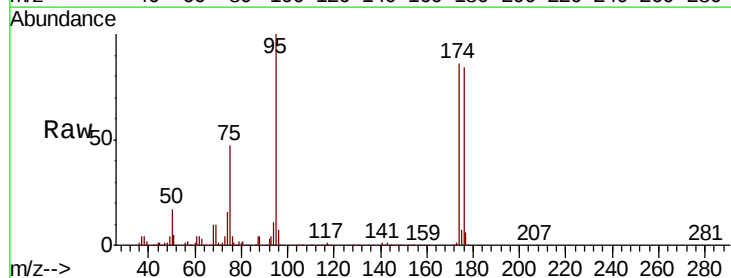
Acq: 7 Dec 2018 14:32

Tgt Ion: 75 Resp: 297478

Ion Ratio Lower Upper

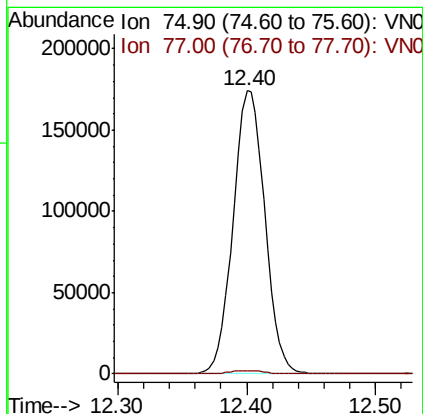
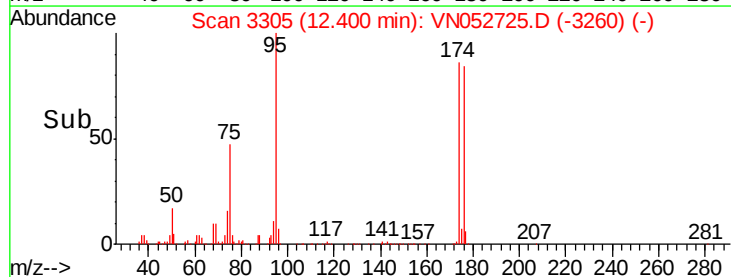
75 100

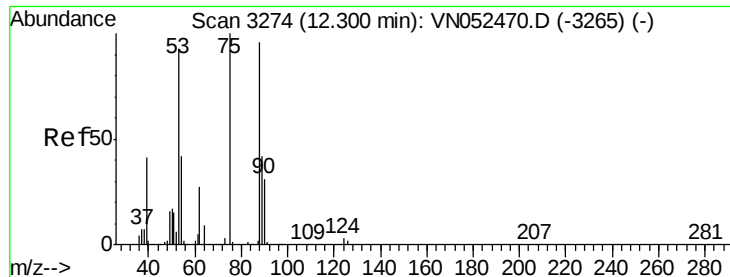
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 125.404 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052725.D

Acq: 7 Dec 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

MW-6

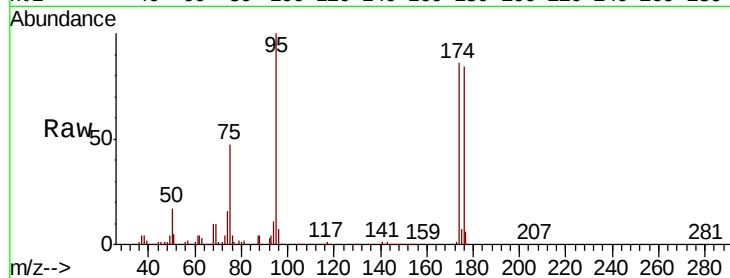
Tot Ion: 75 Resp: 297478

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

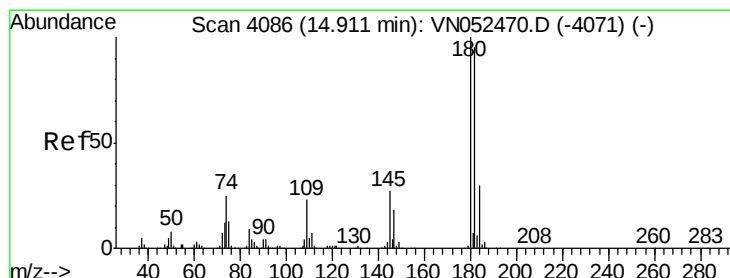
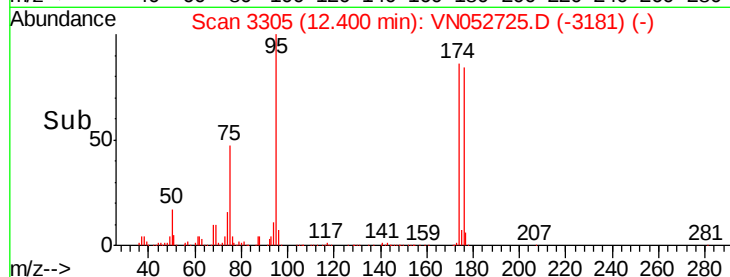
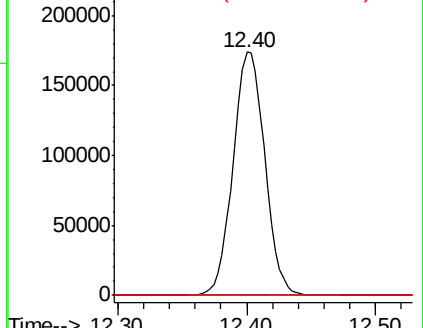
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN052725.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN052725.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN052725.D (-3181) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.875 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN052725.D

Acq: 7 Dec 2018 14:32

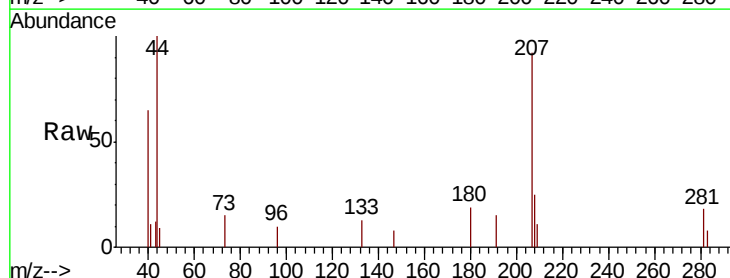
Tgt Ion:180 Resp: 440

Ion Ratio Lower Upper

180 100

182 34.8 47.8 143.4#

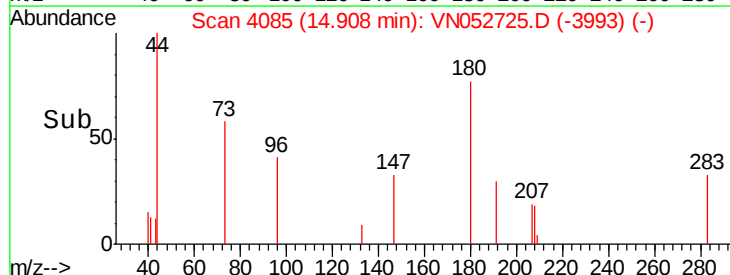
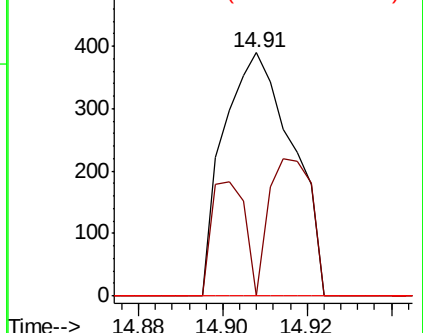
145 0.0 14.1 42.3#

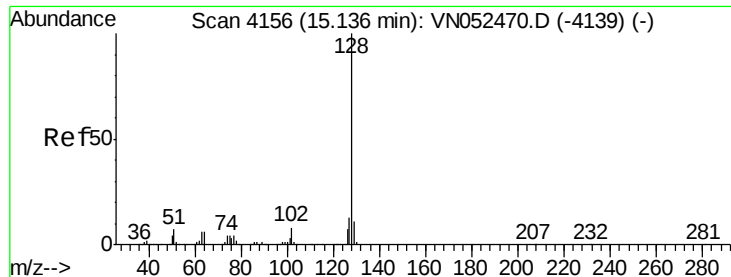


Abundance Ion 179.80 (179.50 to 180.50): VN052725.D (-3993) (-)

Ion 181.80 (181.50 to 182.50): VN052725.D (-3993) (-)

Ion 144.80 (144.50 to 145.50): VN052725.D (-3993) (-)





#95

Naphthalene

Concen: 3.465 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052725.D

Acq: 7 Dec 2018 14:32

Instrument :

MSVOA_N

ClientSampled :

MW-6

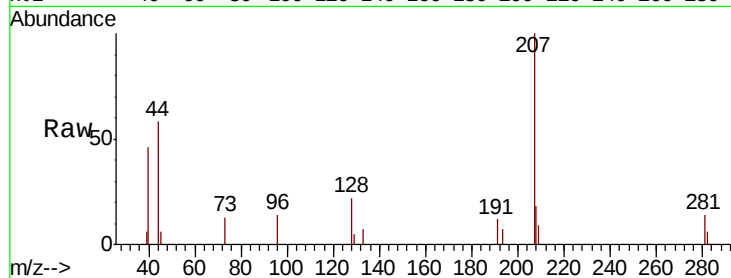
Tot Ion:128 Resp: 751

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

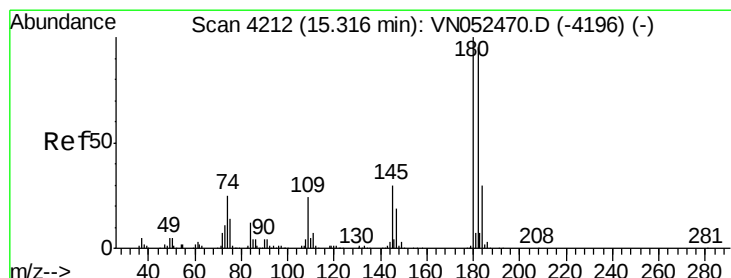
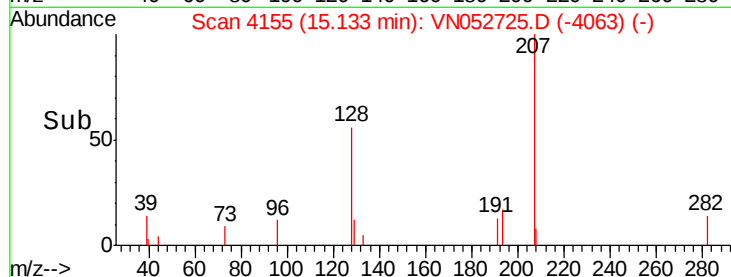
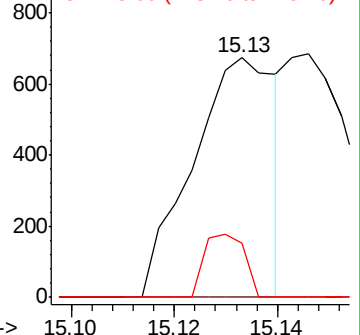
129 12.6 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 2.778 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN052725.D

Acq: 7 Dec 2018 14:32

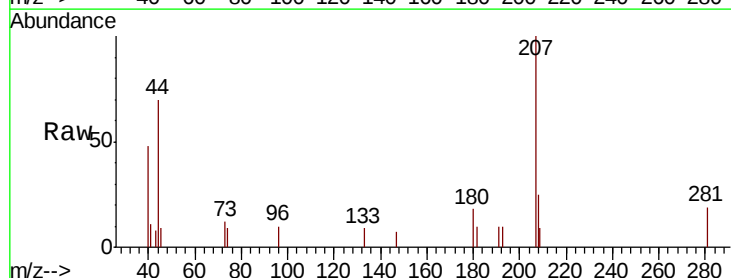
Tgt Ion:180 Resp: 454

Ion Ratio Lower Upper

180 100

182 54.8 47.8 143.3

145 0.0 15.2 45.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

