

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103118\
 Data File : VN052078.D
 Acq On : 31 Oct 2018 17:12
 Operator : MD\SY
 Sample : PB114328ZHE#08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 01 01:43:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	270493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	517036	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	488099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	197409	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	241700	55.68	ug/l	0.00
Spiked Amount			Recovery	=	111.36%	
35) Dibromofluoromethane	7.59	113	195038	60.30	ug/l	0.00
Spiked Amount			Recovery	=	120.60%	
50) Toluene-d8	10.09	98	776999	60.10	ug/l	0.00
Spiked Amount			Recovery	=	120.20%	
62) 4-Bromofluorobenzene	12.40	95	265384	55.92	ug/l	0.00
Spiked Amount			Recovery	=	111.84%	

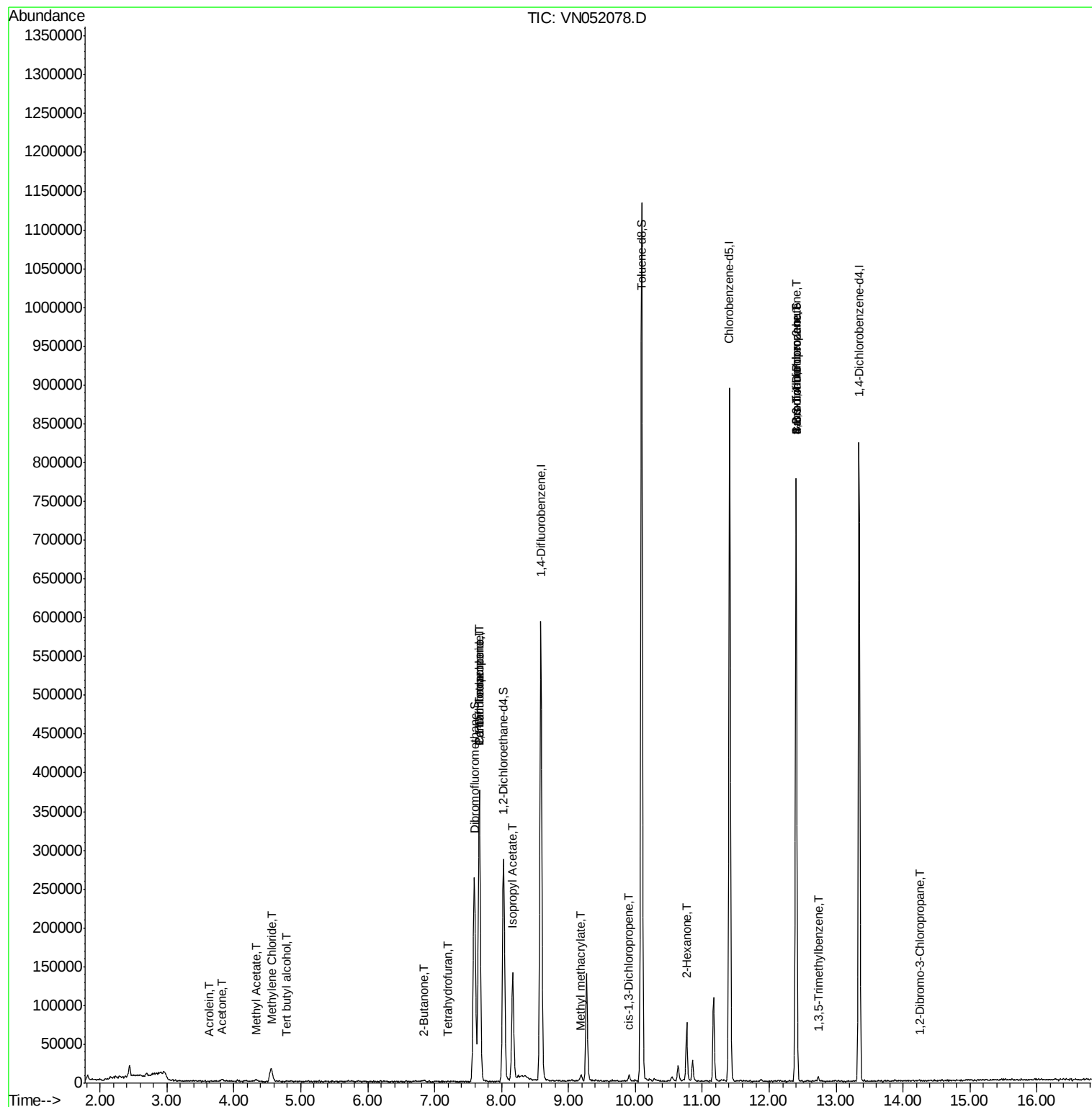
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	69	0.317	ug/l #	1
13) Acrolein	3.62	56	78	24.360	ug/l #	60
16) Acetone	3.82	43	2229	2.406	ug/l #	80
18) Methyl Acetate	4.34	43	4158	1.410	ug/l #	66
20) Methylene Chloride	4.56	84	11008	3.118	ug/l #	94
25) 2-Butanone	6.83	43	553	0.381	ug/l #	50
29) Tetrahydrofuran	7.20	42	663	0.685	ug/l #	63
31) Cyclohexane	7.66	56	4106	Below Cal	#	23
36) 1,1-Dichloropropene	7.67	75	26067	4.958	ug/l #	48
38) Carbon Tetrachloride	7.67	117	30496	6.728	ug/l #	17
43) Isopropyl Acetate	8.17	43	166646	26.627	ug/l	100
48) Methyl methacrylate	9.18	41	4973	1.567	ug/l #	20
54) cis-1,3-Dichloropropene	9.90	75	1352	0.228	ug/l #	65
59) 2-Hexanone	10.76	43	10532	4.345	ug/l #	57
71) Bromoform	12.40	173	2918	3.523	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	137989	38.185	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2814	0.205	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	137989	126.743	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.25	75	31	0.971	ug/l #	11

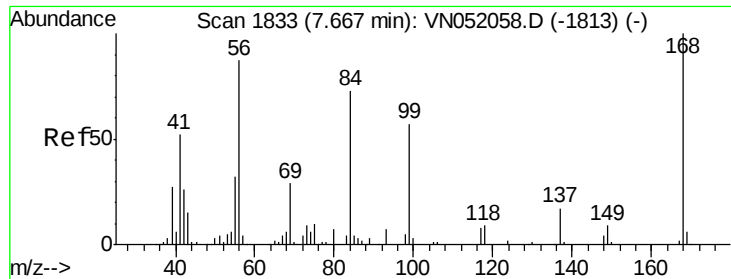
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 31 02:45:22 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN052078.D

Acq: 31 Oct 2018 17:12

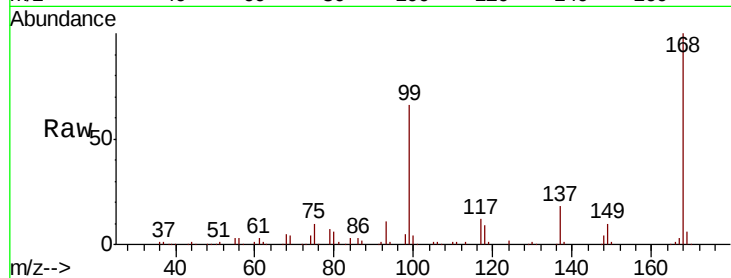
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 270493

Ion Ratio Lower Upper

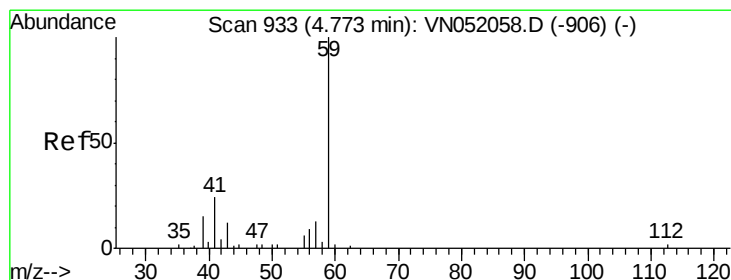
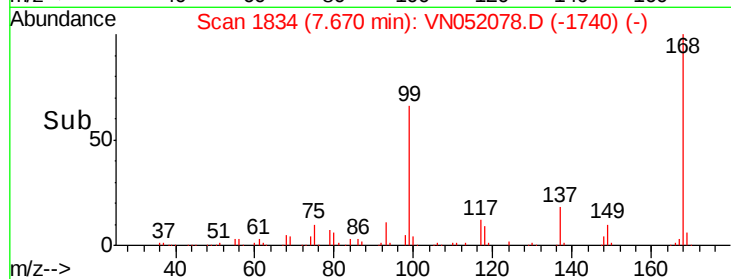
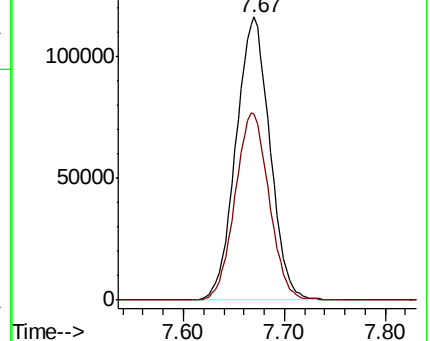
168 100

99 65.7 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 0.317 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.01 min

Lab File: VN052078.D

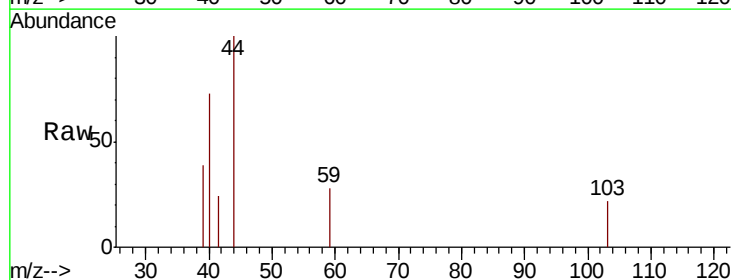
Acq: 31 Oct 2018 17:12

Tgt Ion: 59 Resp: 69

Ion Ratio Lower Upper

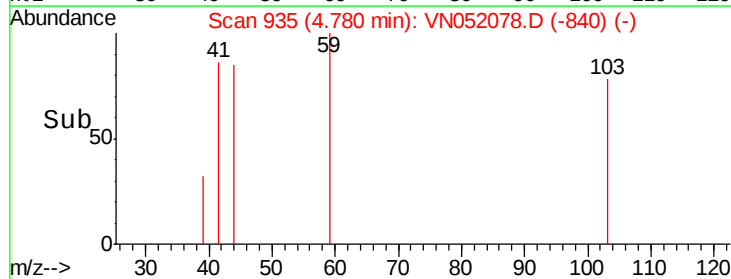
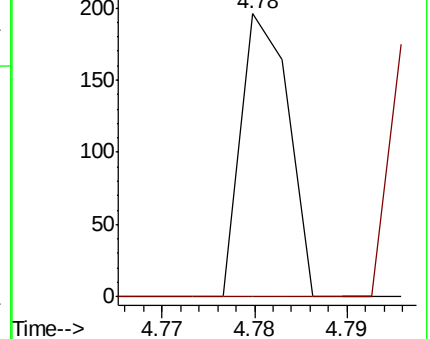
59 100

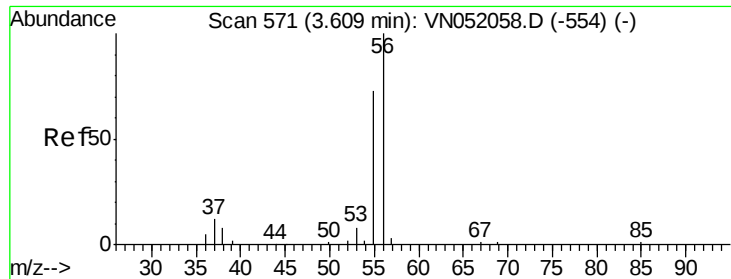
57 155.1 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#13

Acrolein

Concen: 24.360 ug/l

RT: 3.62 min Scan# 575

Delta R.T. 0.01 min

Lab File: VN052078.D

Acq: 31 Oct 2018 17:12

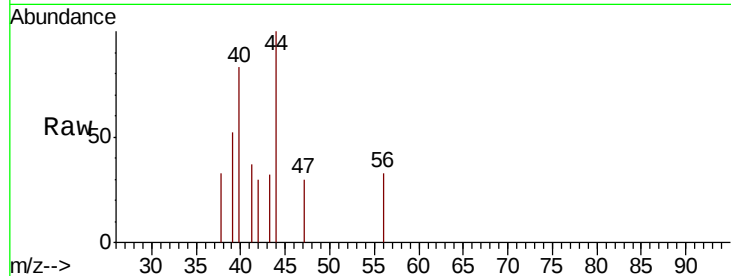
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 78

Ion Ratio Lower Upper

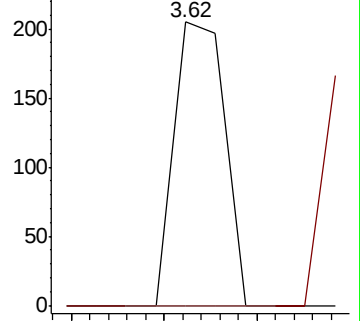
56 100

55 41.0 59.9 89.9#

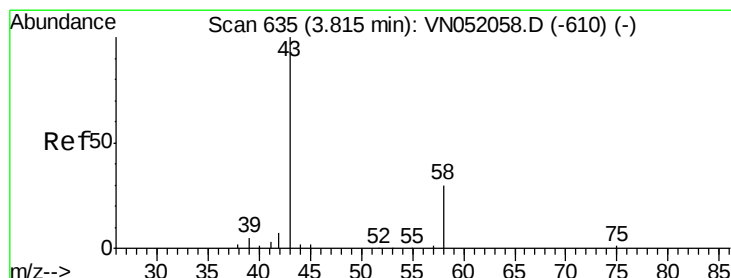
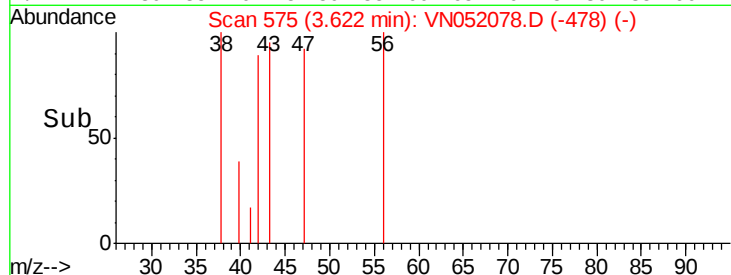


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time--> 3.61 3.62 3.63



#16

Acetone

Concen: 2.406 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052078.D

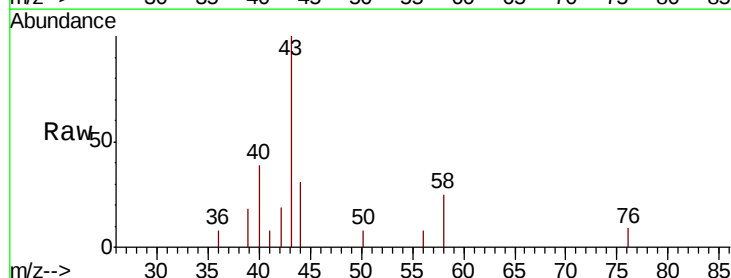
Acq: 31 Oct 2018 17:12

Tgt Ion: 43 Resp: 2229

Ion Ratio Lower Upper

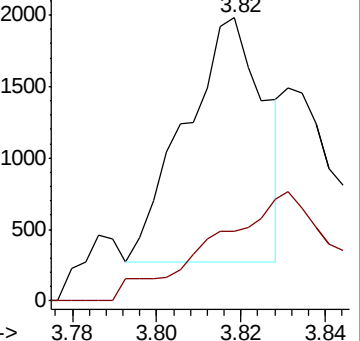
43 100

58 19.4 24.2 36.2#

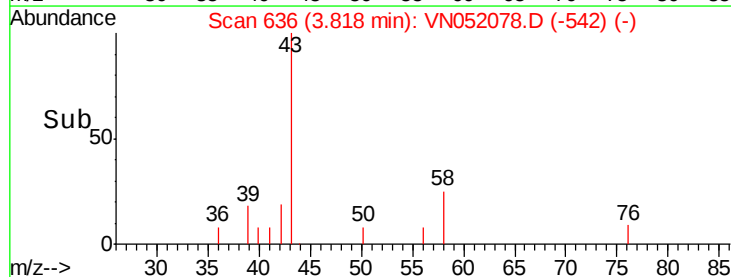


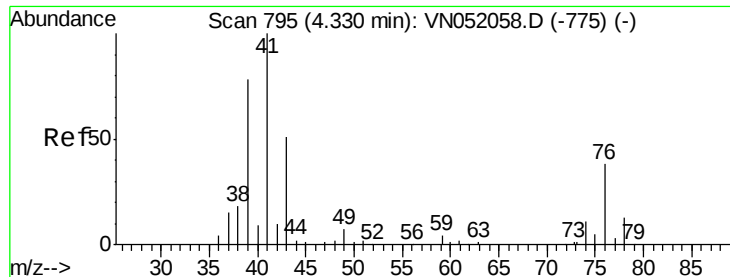
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time--> 3.78 3.80 3.82 3.84

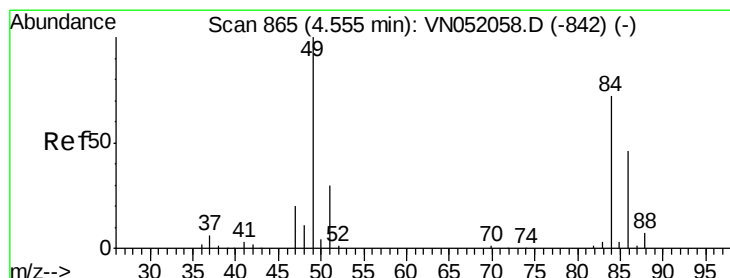
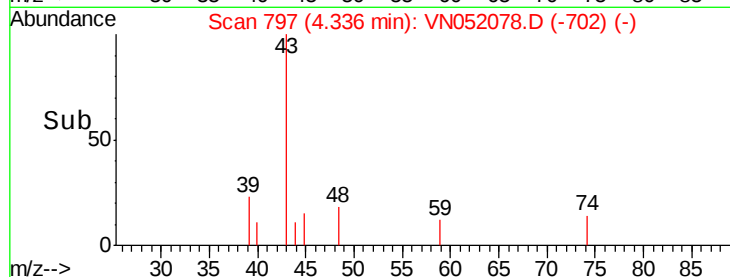
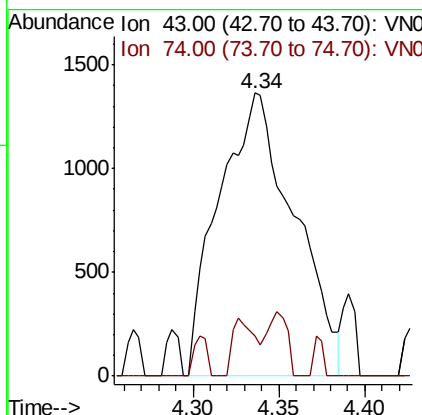
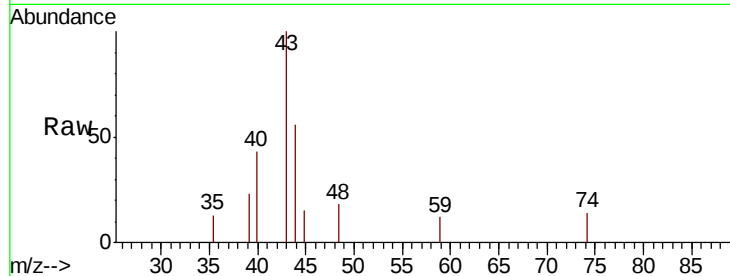




#18
Methyl Acetate
Concen: 1.410 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN052078.D
Acq: 31 Oct 2018 17:12

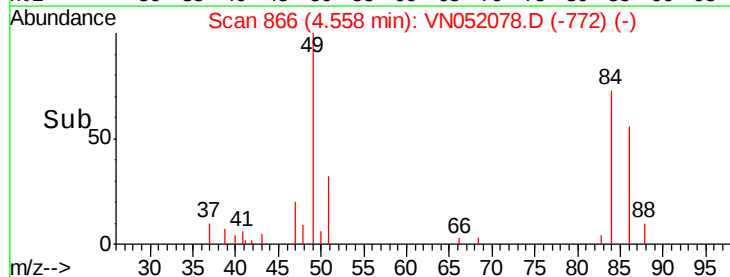
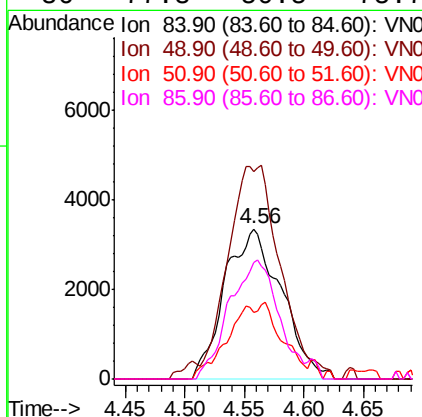
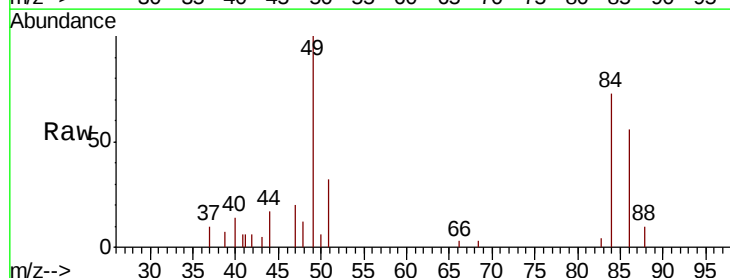
Instrument :
MSVOA_N
ClientSampled :

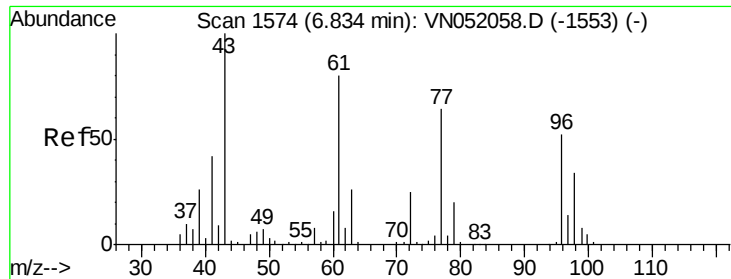
Tot Ion: 43 Resp: 4158
Ion Ratio Lower Upper
43 100
74 6.1 17.9 26.9#



#20
Methylene Chloride
Concen: 3.118 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052078.D
Acq: 31 Oct 2018 17:12

Tgt Ion: 84 Resp: 11008
Ion Ratio Lower Upper
84 100
49 137.9 110.6 165.8
51 44.6 33.7 50.5
86 77.8 50.5 75.7#

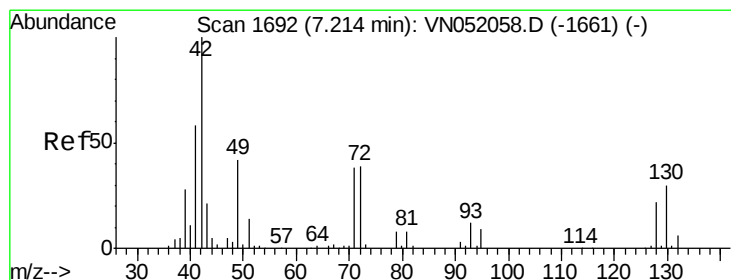
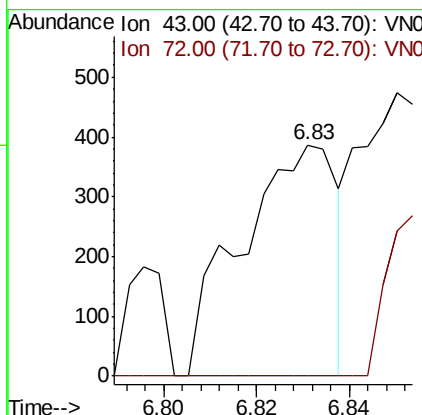
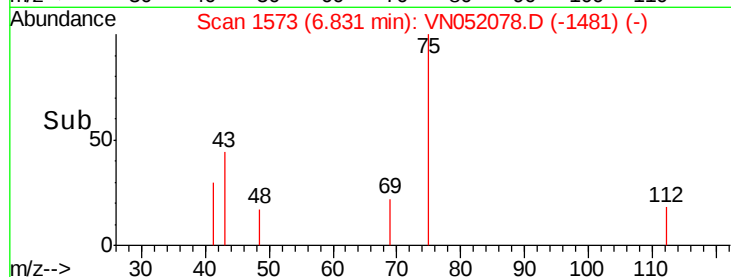
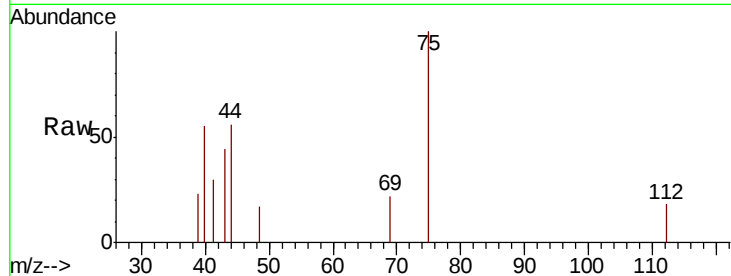




#25
2-Butanone
Concen: 0.381 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN052078.D
Acq: 31 Oct 2018 17:12

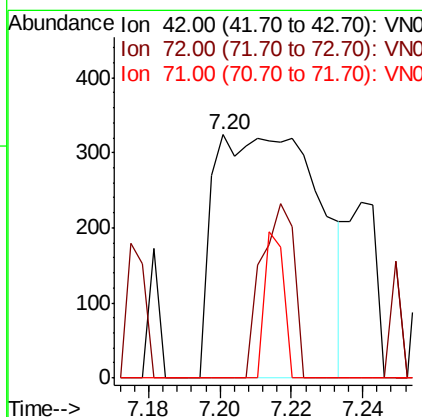
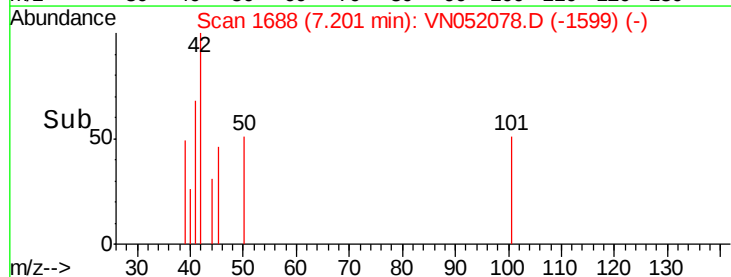
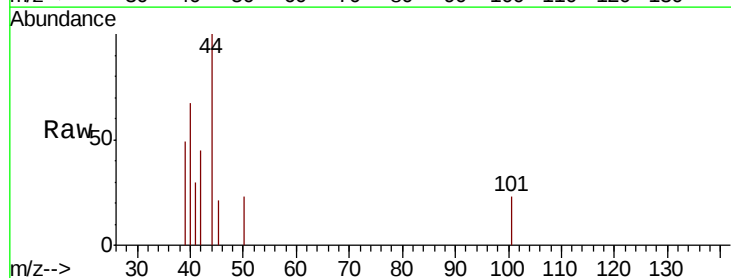
Instrument :
MSVOA_N
ClientSampled :

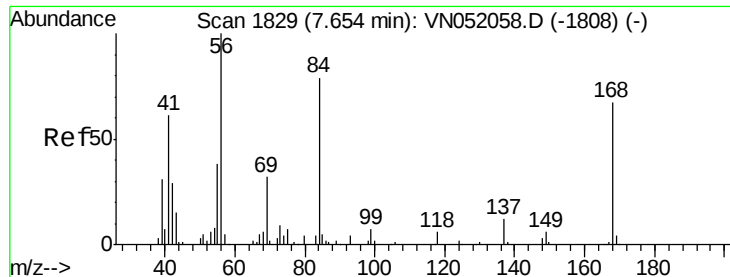
Tot Ion: 43 Resp: 553
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#



#29
Tetrahydrofuran
Concen: 0.685 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VN052078.D
Acq: 31 Oct 2018 17:12

Tgt Ion: 42 Resp: 663
Ion Ratio Lower Upper
42 100
72 22.2 32.5 48.7#
71 10.7 30.6 46.0#

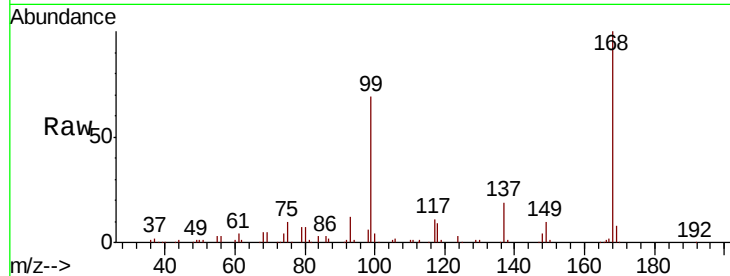




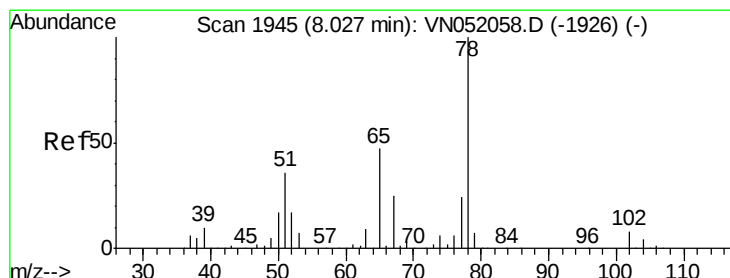
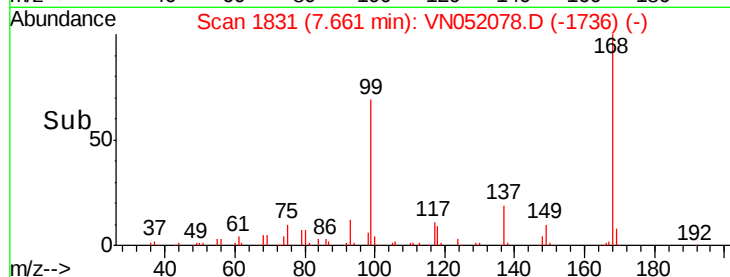
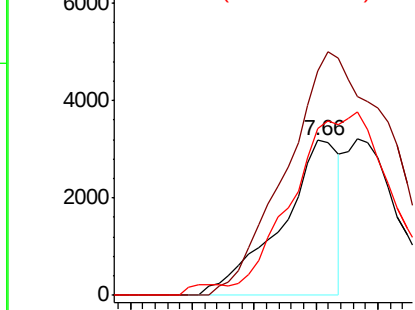
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN052078.D
Acq: 31 Oct 2018 17:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 4106
Ion Ratio Lower Upper
56 100
69 144.5 25.8 38.6#
84 102.7 63.5 95.3#

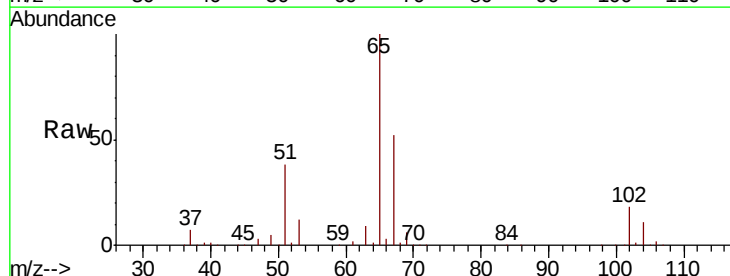


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

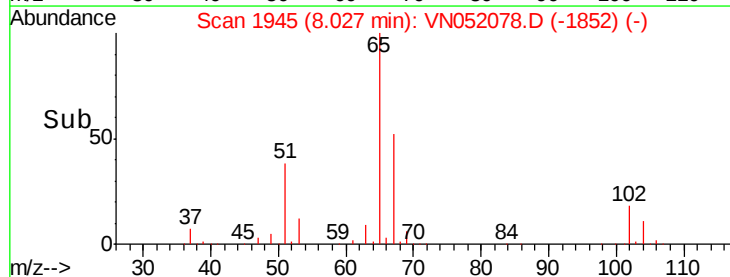
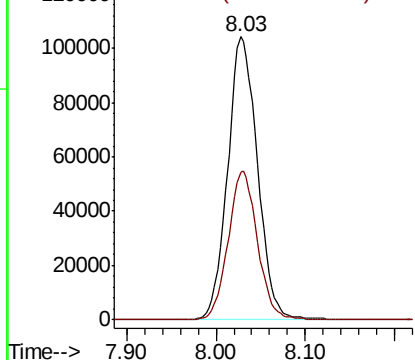


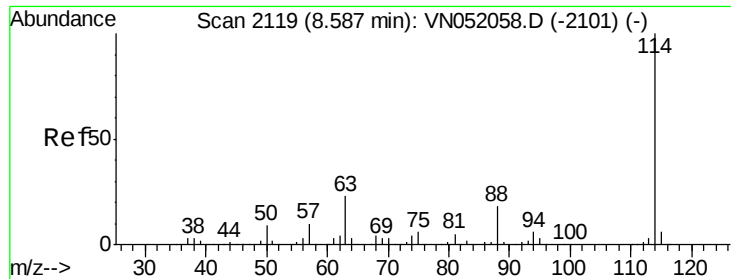
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052078.D
Acq: 31 Oct 2018 17:12

Tgt Ion: 65 Resp: 241700
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.2



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

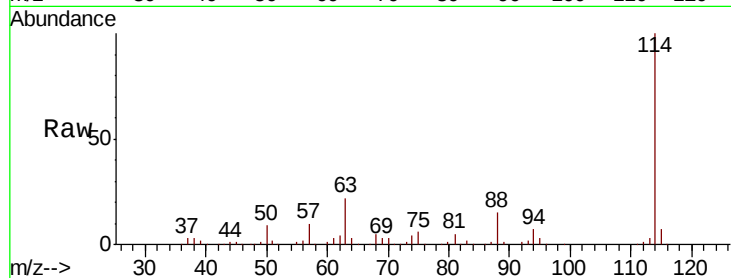




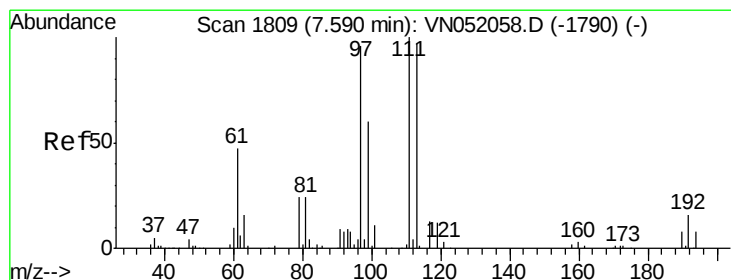
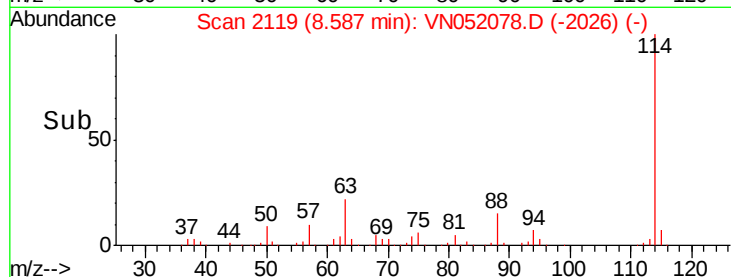
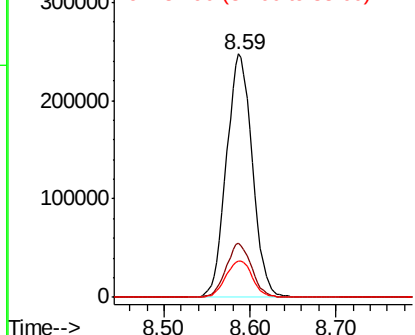
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052078.D
 Acq: 31 Oct 2018 17:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 517036
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 46.0
 88 14.7 0.0 35.4

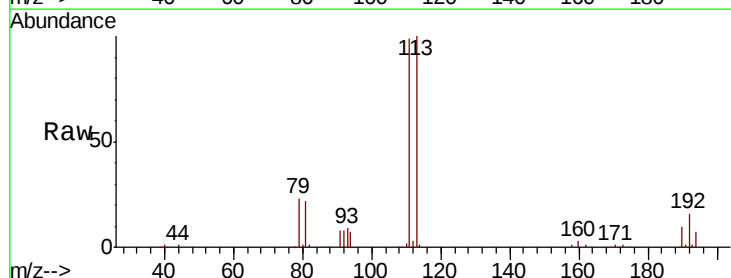


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

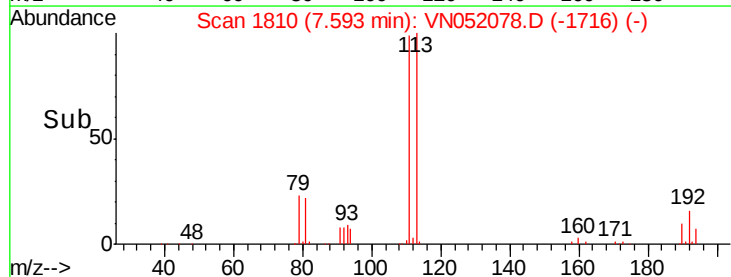
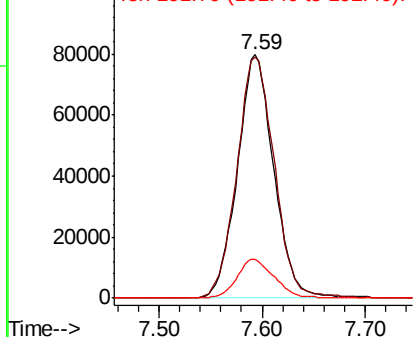


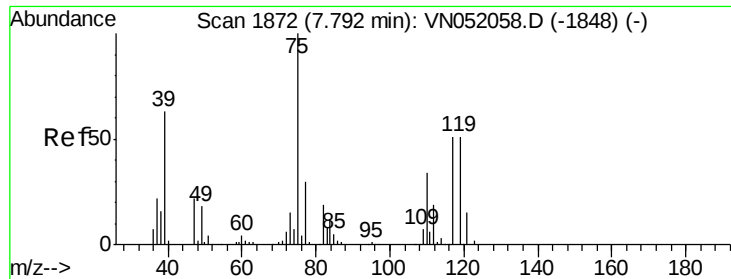
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052078.D
 Acq: 31 Oct 2018 17:12

Tgt Ion:113 Resp: 195038
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.1 124.7
 192 16.4 12.7 19.1



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

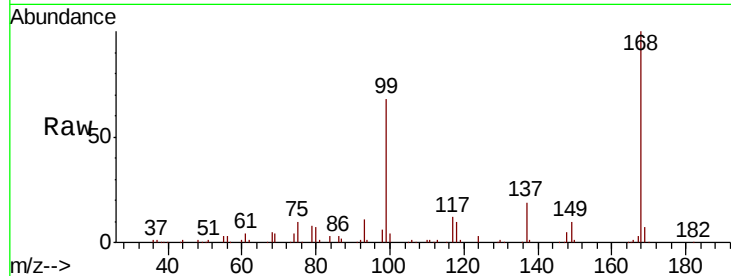




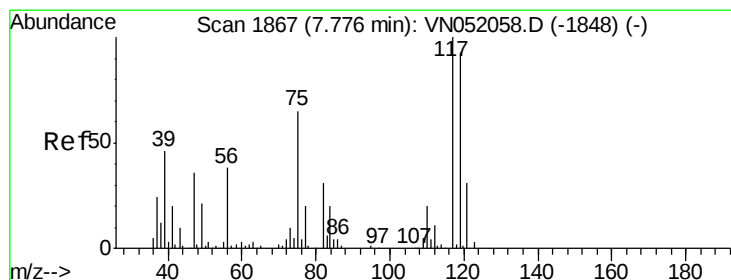
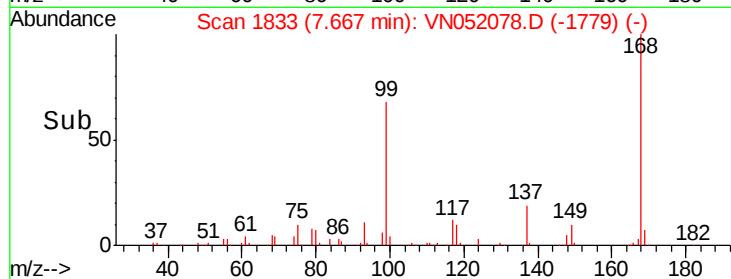
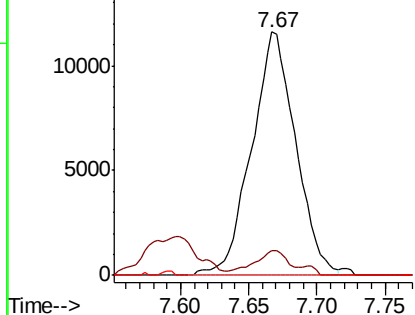
#36
 1,1-Dichloropropene
 Concen: 4.958 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052078.D
 Acq: 31 Oct 2018 17:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 26067
 Ion Ratio Lower Upper
 75 100
 110 5.5 16.0 48.0#
 77 0.0 24.5 36.7#

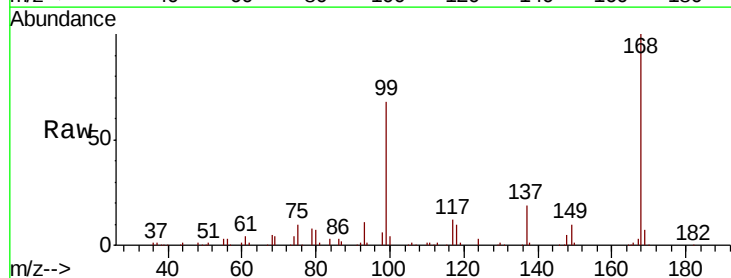


Abundance Ion 74.90 (74.60 to 75.60): VN052058.D (-1848) (-)
 Ion 109.90 (109.60 to 110.60): VN052058.D (-1848) (-)
 Ion 76.90 (76.60 to 77.60): VN052058.D (-1848) (-)

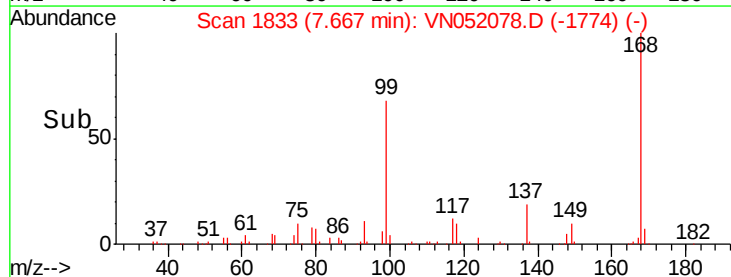
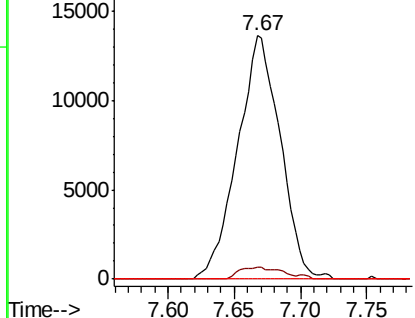


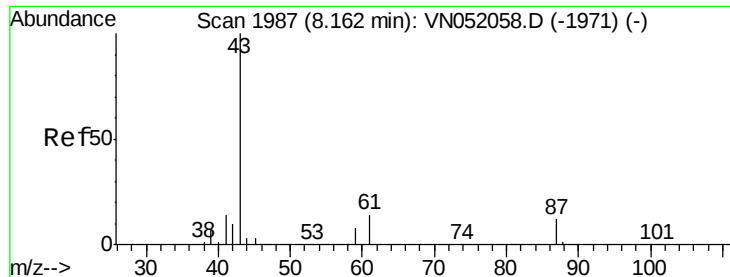
#38
 Carbon Tetrachloride
 Concen: 6.728 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052078.D
 Acq: 31 Oct 2018 17:12

Tgt Ion: 117 Resp: 30496
 Ion Ratio Lower Upper
 117 100
 119 5.1 74.8 112.2#
 121 0.0 25.1 37.7#



Abundance Ion 116.80 (116.50 to 117.50): VN052058.D (-1848) (-)
 Ion 118.80 (118.50 to 119.50): VN052058.D (-1848) (-)
 Ion 120.80 (120.50 to 121.50): VN052058.D (-1848) (-)



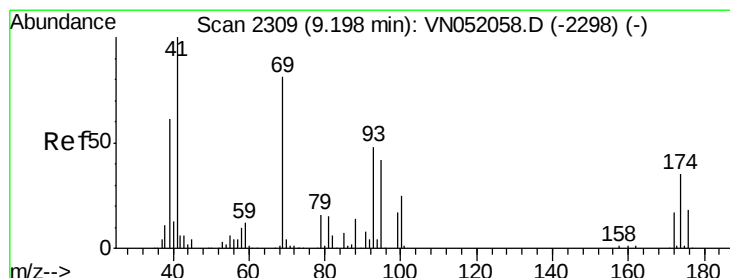
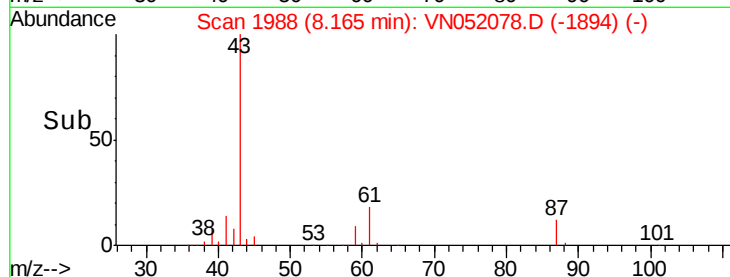
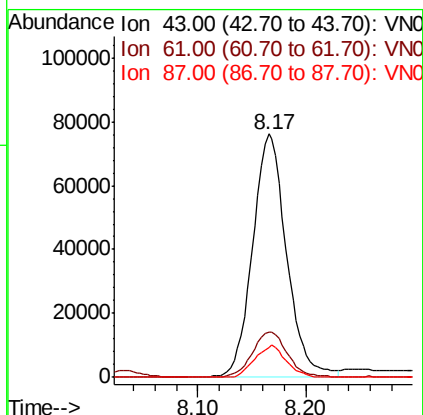
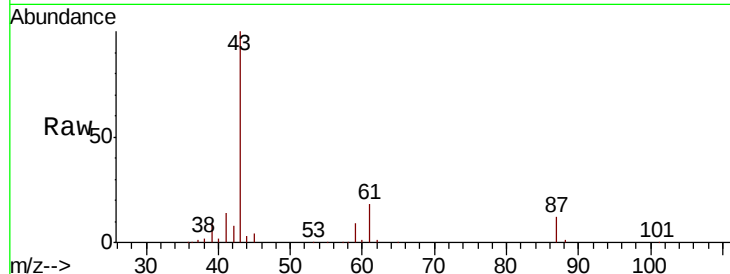


#43

Isopropyl Acetate
 Concen: 26.627 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN052078.D
 Acq: 31 Oct 2018 17:12

Instrument :
 MSVOA_N
 ClientSampleId :

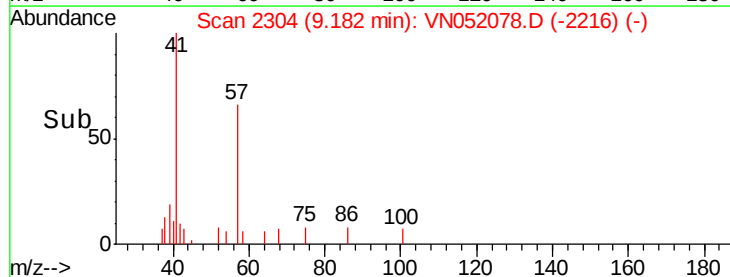
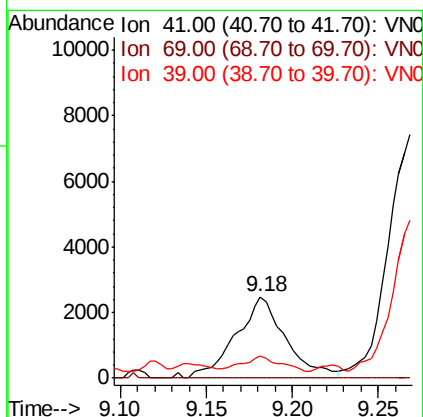
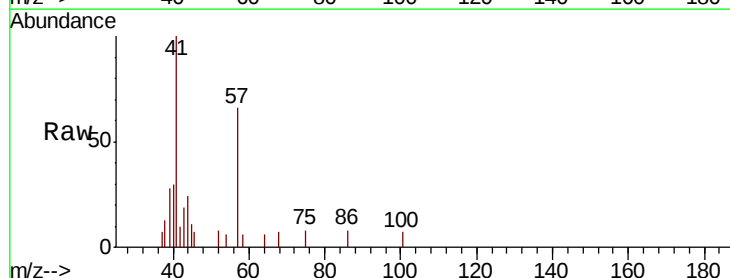
Tot Ion: 43 Resp: 166646
 Ion Ratio Lower Upper
 43 100
 61 19.2 15.4 23.0
 87 12.2 9.8 14.8

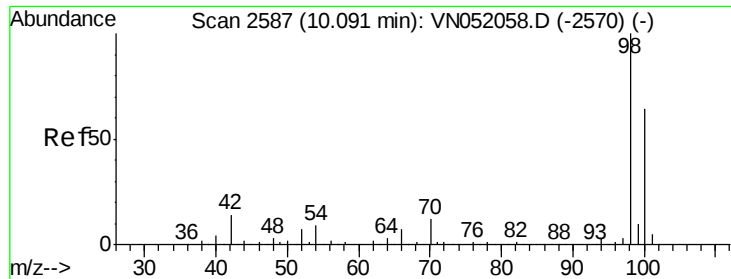


#48

Methyl methacrylate
 Concen: 1.567 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN052078.D
 Acq: 31 Oct 2018 17:12

Tgt Ion: 41 Resp: 4973
 Ion Ratio Lower Upper
 41 100
 69 0.0 67.1 100.7#
 39 14.3 50.5 75.7#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052078.D

Acq: 31 Oct 2018 17:12

Instrument :

MSVOA_N

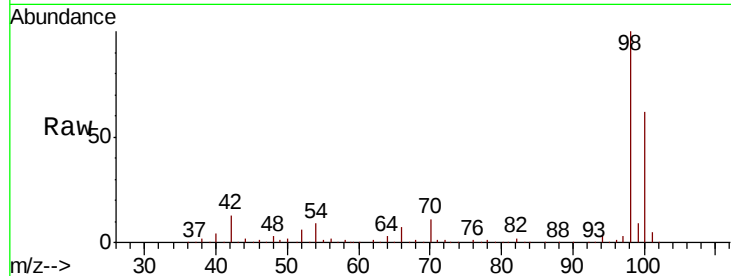
ClientSampleId :

Tot Ion: 98 Resp: 776999

Ion Ratio Lower Upper

98 100

100 62.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN052058.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052058.D (-2570) (-)

10.09

400000

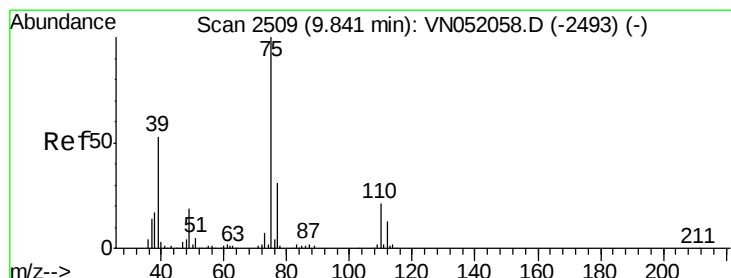
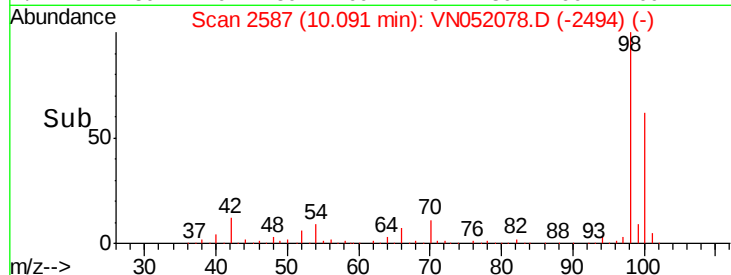
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 0.228 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052078.D

Acq: 31 Oct 2018 17:12

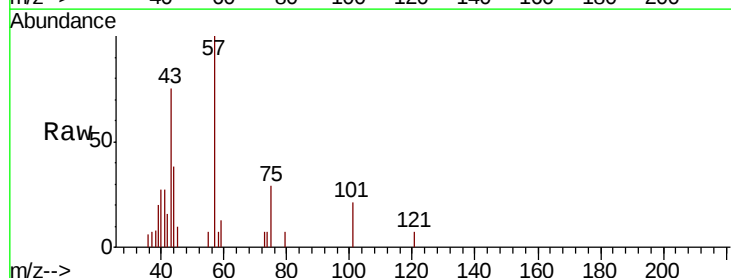
Tgt Ion: 75 Resp: 1352

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

39 68.5 42.3 63.5#



Abundance Ion 74.90 (74.60 to 75.60): VN052058.D (-2493) (-)

Ion 76.90 (76.60 to 77.60): VN052058.D (-2493) (-)

Ion 39.00 (38.70 to 39.70): VN052058.D (-2493) (-)

9.90

1000

800

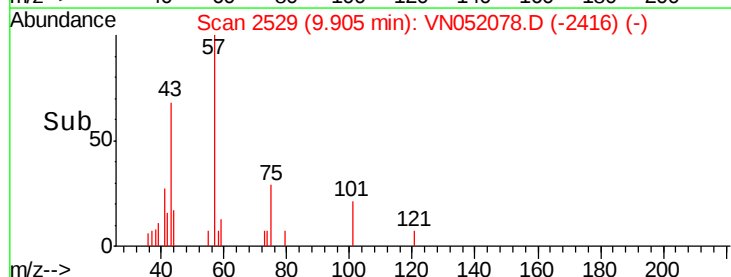
600

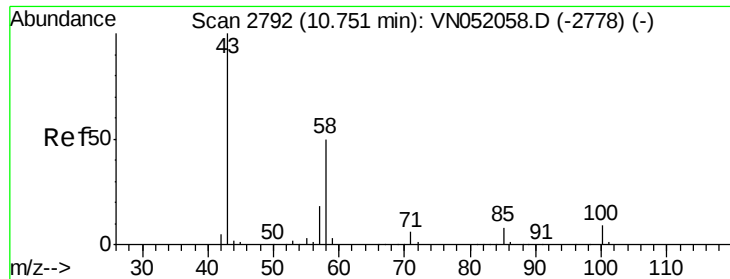
400

200

0

Time-->

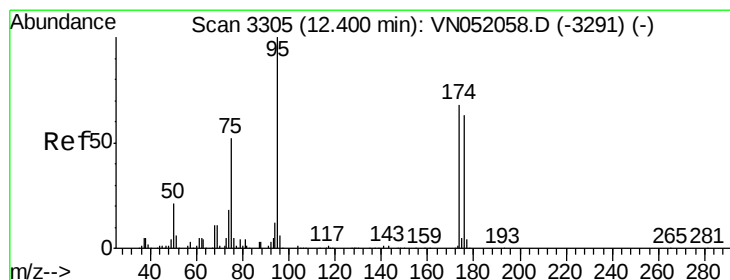
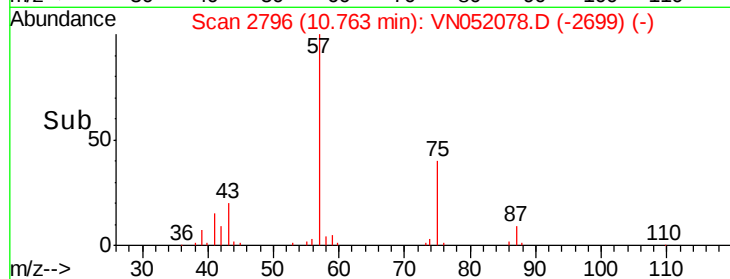
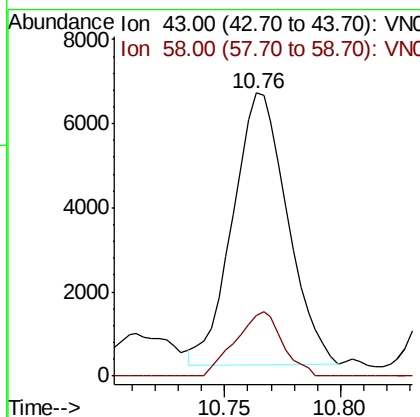
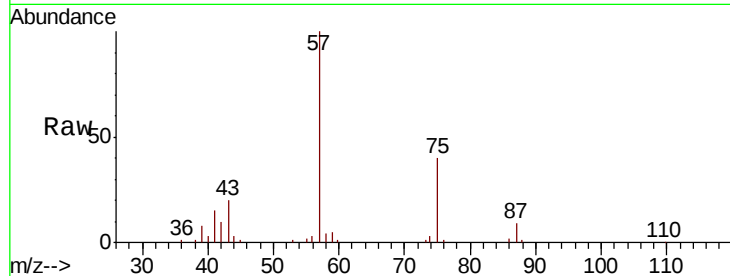




#59
2-Hexanone
Concen: 4.345 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052078.D
Acq: 31 Oct 2018 17:12

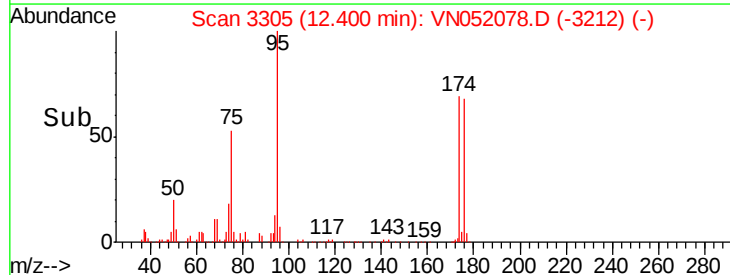
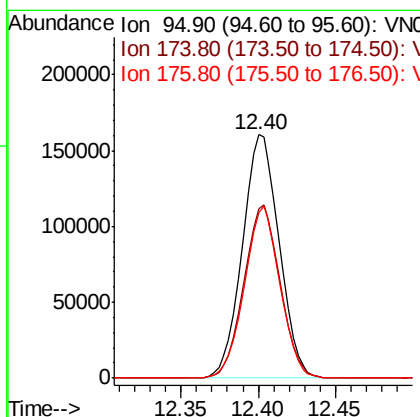
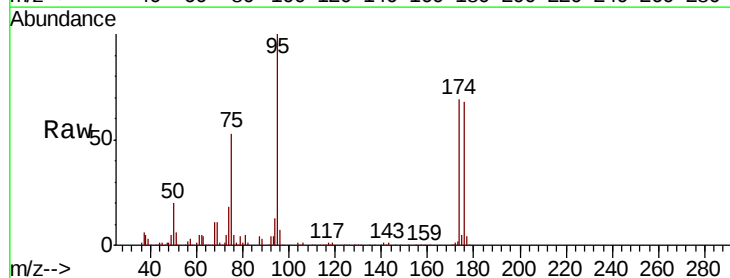
Instrument :
MSVOA_N
ClientSampleId :

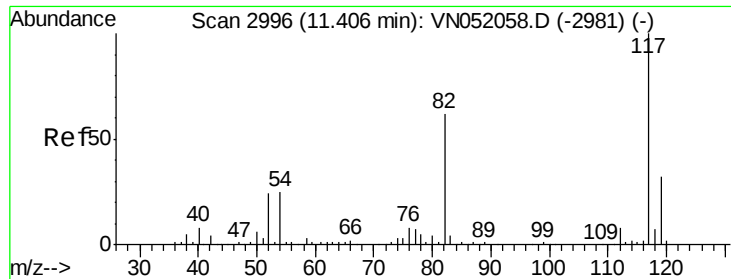
Tot Ion: 43 Resp: 10532
Ion Ratio Lower Upper
43 100
58 20.4 25.2 75.6#



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052078.D
Acq: 31 Oct 2018 17:12

Tgt Ion: 95 Resp: 265384
Ion Ratio Lower Upper
95 100
174 70.4 0.0 131.8
176 68.2 0.0 126.0

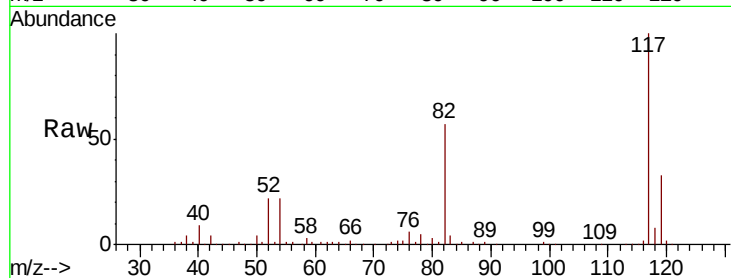




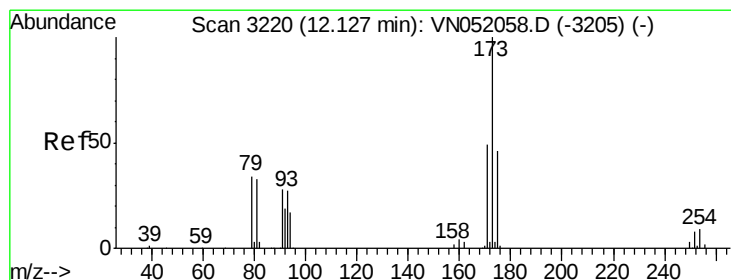
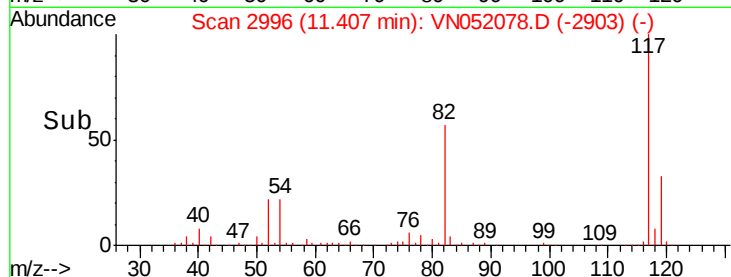
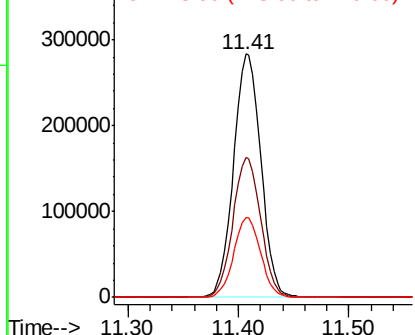
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052078.D
Acq: 31 Oct 2018 17:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 488099
Ion Ratio Lower Upper
117 100
82 57.3 49.9 74.9
119 32.9 25.7 38.5

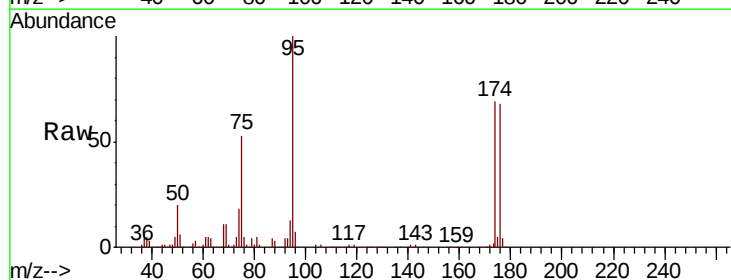


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

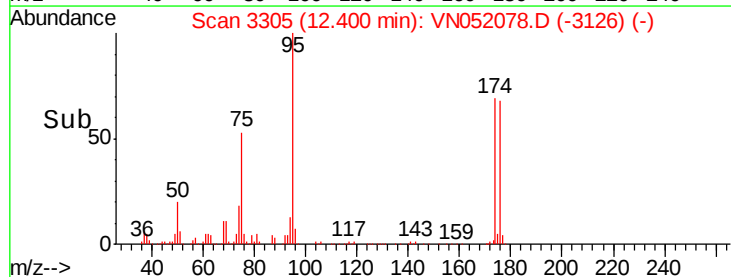
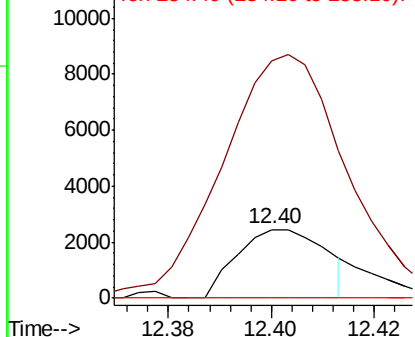


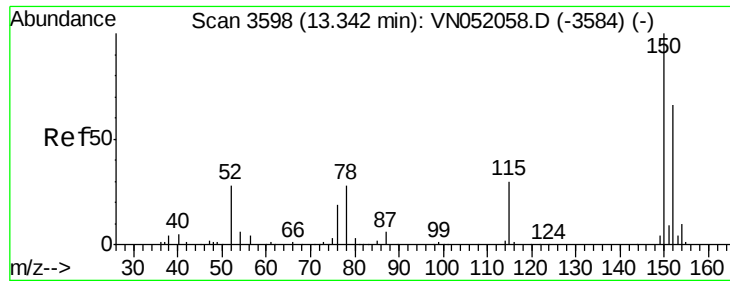
#71
Bromoform
Concen: 3.523 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052078.D
Acq: 31 Oct 2018 17:12

Tgt Ion:173 Resp: 2918
Ion Ratio Lower Upper
173 100
175 427.3 23.9 71.7#
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# 3598

Delta R.T. 0.00 min

Lab File: VN052078.D

Acq: 31 Oct 2018 17:12

Instrument :

MSVOA_N

ClientSampleId :

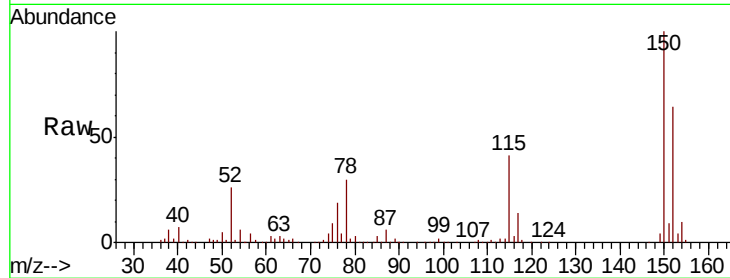
Tot Ion:152 Resp: 197409

Ion Ratio Lower Upper

152 100

115 63.3 31.6 95.0

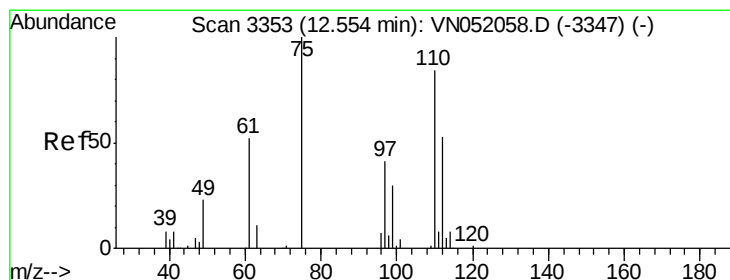
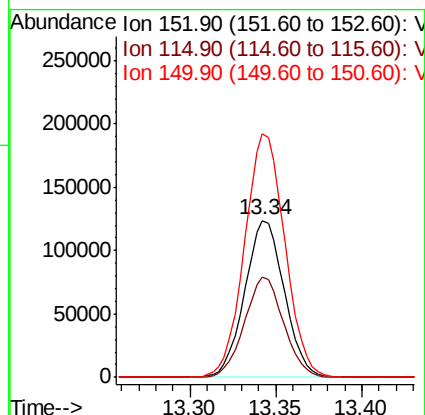
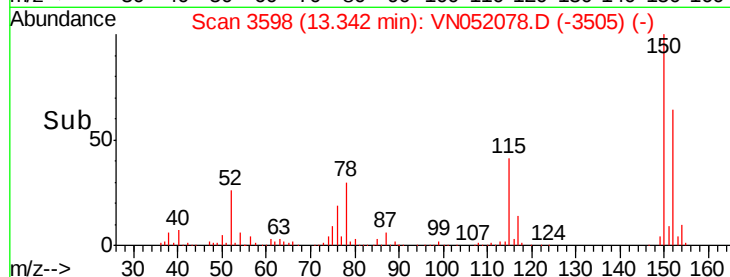
150 158.1 0.0 345.0



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: 38.185 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052078.D

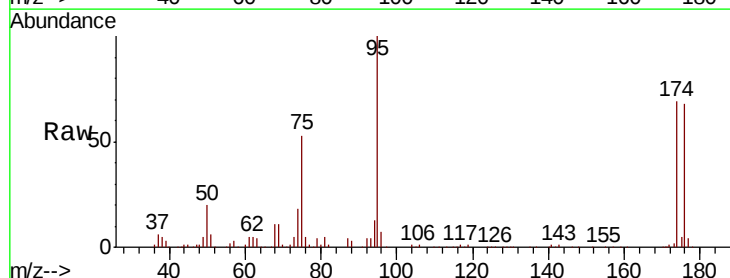
Acq: 31 Oct 2018 17:12

Tgt Ion: 75 Resp: 137989

Ion Ratio Lower Upper

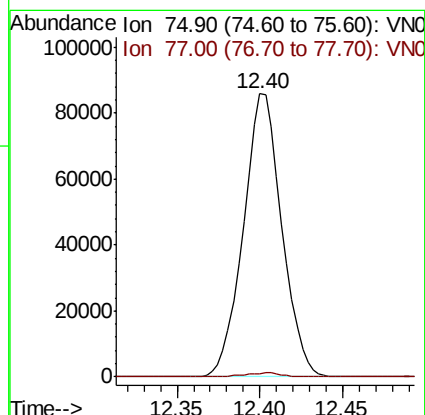
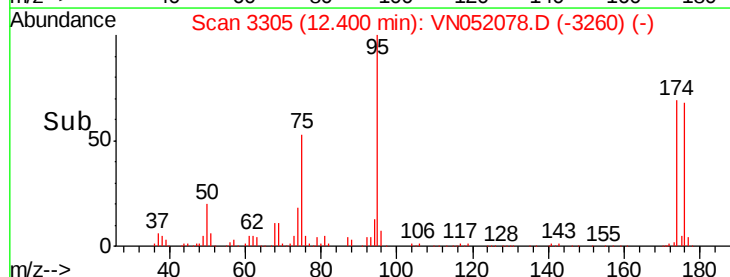
75 100

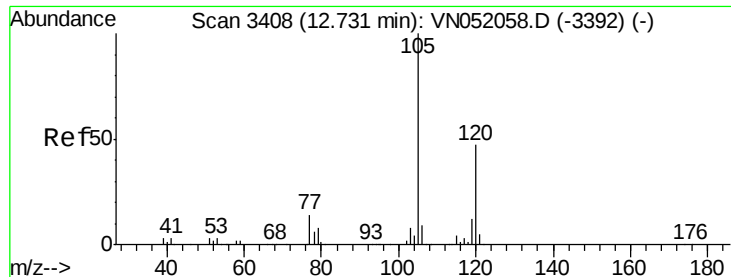
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

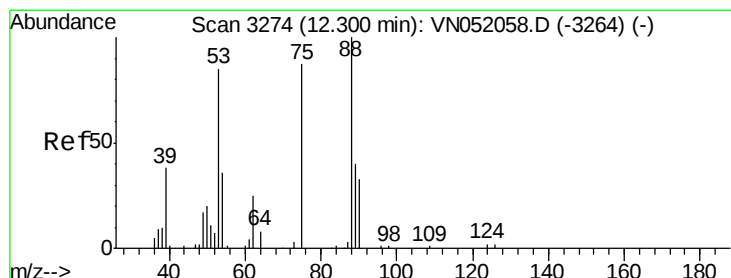
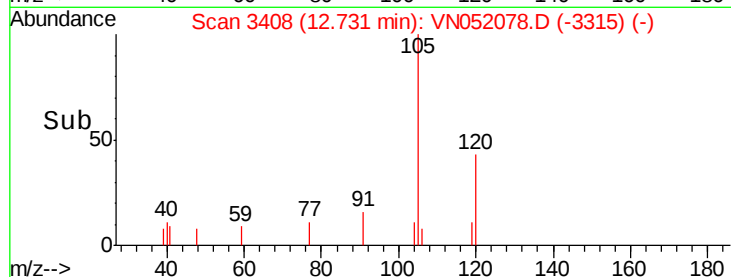
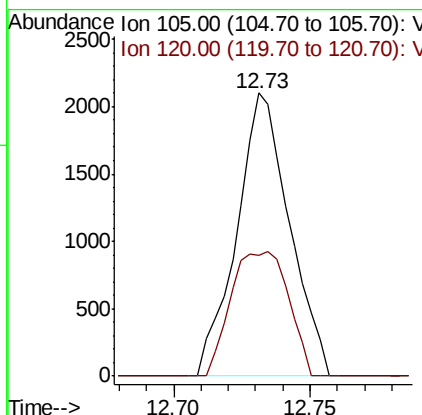
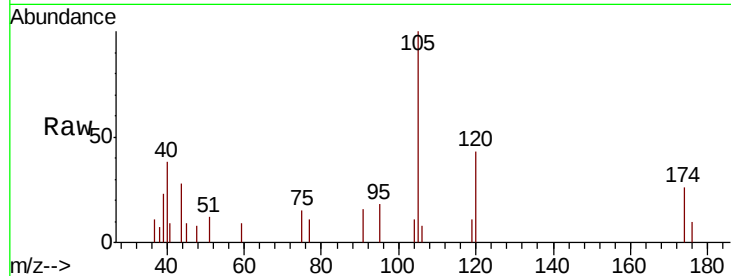




#80
 1,3,5-Trimethylbenzene
 Concen: 0.205 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052078.D
 Acq: 31 Oct 2018 17:12

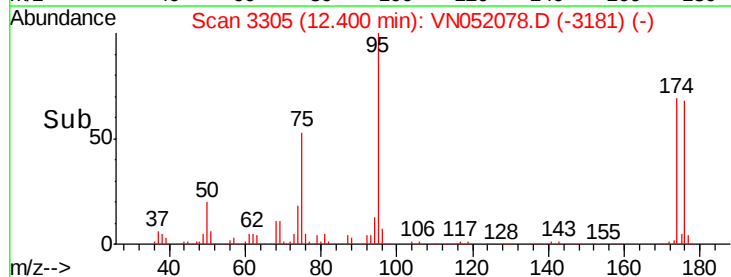
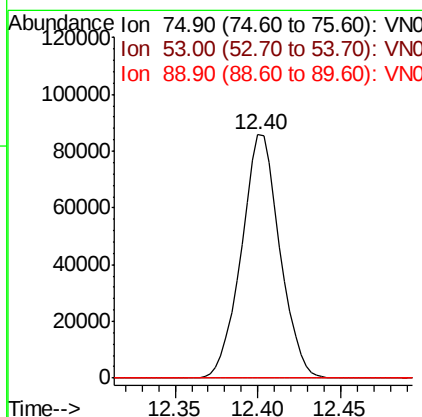
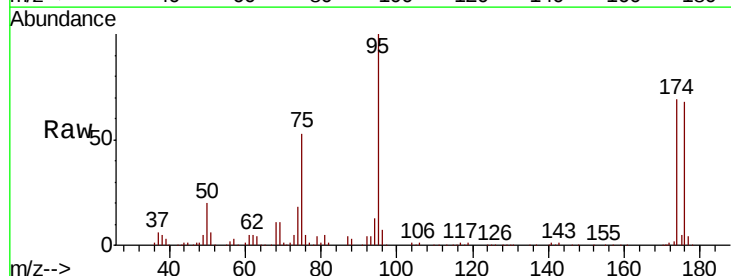
Instrument :
 MSVOA_N
 ClientSampled :

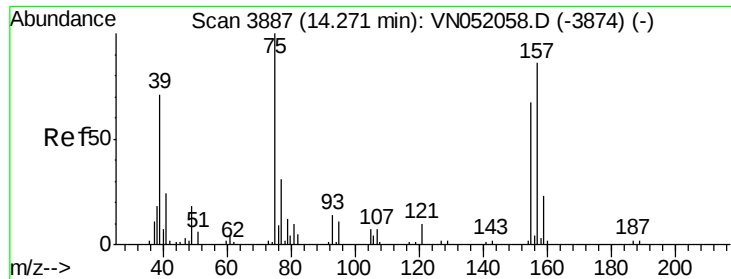
Tot Ion:105 Resp: 2814
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.4 70.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.743 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN052078.D
 Acq: 31 Oct 2018 17:12

Tgt Ion: 75 Resp: 137989
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.8 122.6#
 89 0.0 36.6 54.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.971 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN052078.D

Acq: 31 Oct 2018 17:12

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 31

Ion Ratio Lower Upper

75 100

155 0.0 34.0 102.0#

157 0.0 42.1 126.4#

