

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103118\
 Data File : VN052080.D
 Acq On : 31 Oct 2018 18:05
 Operator : MD\SY
 Sample : PB114328ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 01 01:43:43 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	282910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	530409	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	502249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	196386	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	245756	54.13	ug/l	0.00
Spiked Amount			Recovery	=	108.26%	
35) Dibromofluoromethane	7.59	113	203404	61.30	ug/l	0.00
Spiked Amount			Recovery	=	122.60%	
50) Toluene-d8	10.09	98	802606	60.52	ug/l	0.00
Spiked Amount			Recovery	=	121.04%	
62) 4-Bromofluorobenzene	12.40	95	262415	53.90	ug/l	0.00
Spiked Amount			Recovery	=	107.80%	

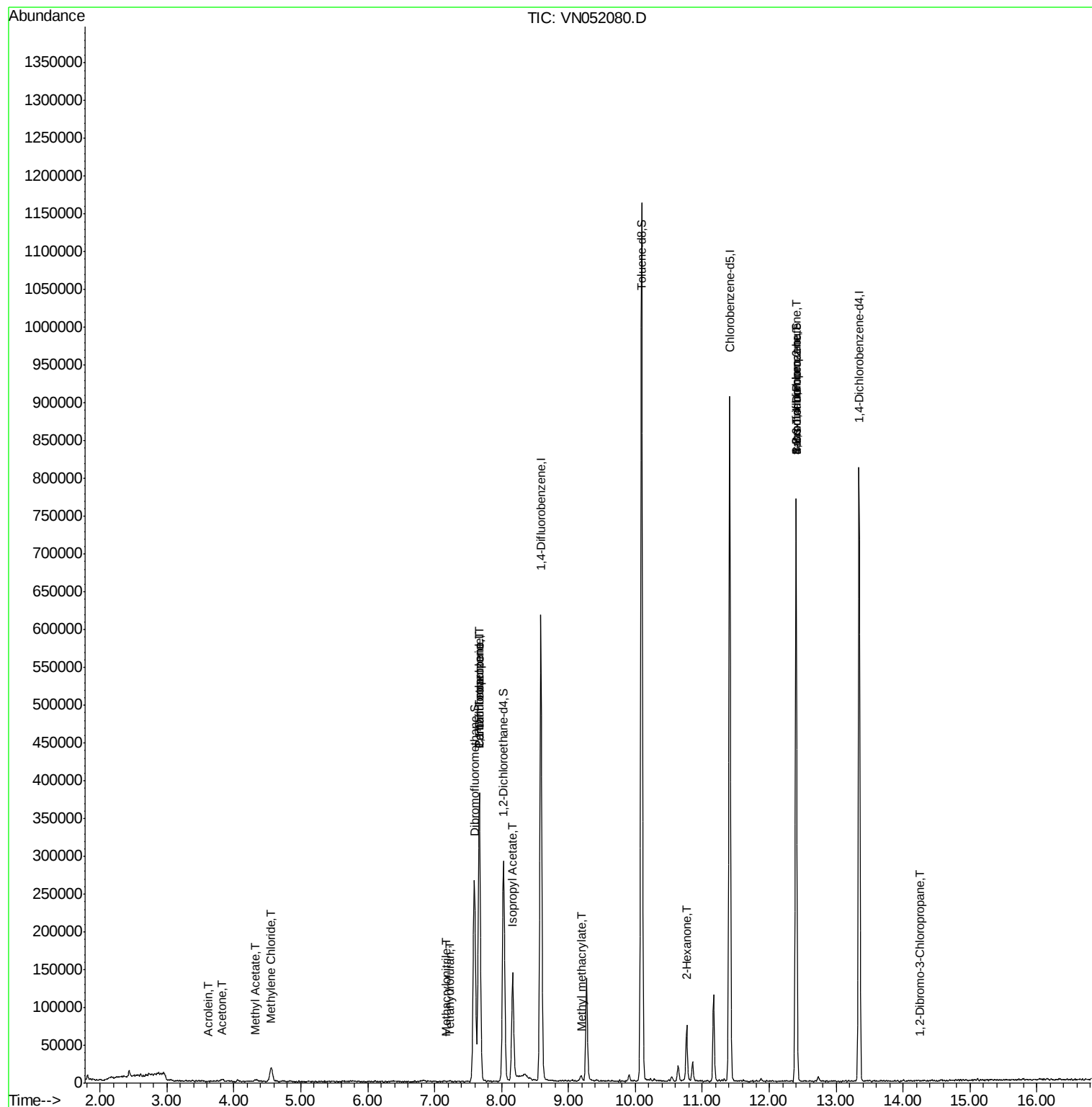
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	74	24.330	ug/l #	31
16) Acetone	3.82	43	3817	3.939	ug/l #	58
18) Methyl Acetate	4.32	43	1531	0.496	ug/l #	83
20) Methylene Chloride	4.56	84	12897	3.493	ug/l	90
29) Tetrahydrofuran	7.22	42	818	0.808	ug/l #	39
31) Cyclohexane	7.66	56	7582	Below Cal	#	4
36) 1,1-Dichloropropene	7.67	75	26231	4.864	ug/l #	47
38) Carbon Tetrachloride	7.67	117	31617	6.799	ug/l #	17
41) Methacrylonitrile	7.17	41	149	0.222	ug/l #	9
43) Isopropyl Acetate	8.17	43	173354	27.000	ug/l	99
48) Methyl methacrylate	9.18	41	3968	1.219	ug/l #	19
59) 2-Hexanone	10.76	43	12270	4.934	ug/l #	52
71) Bromoform	12.41	173	2647	3.364	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	139973	38.936	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	139973	129.235	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.26	75	234	1.314	ug/l #	11

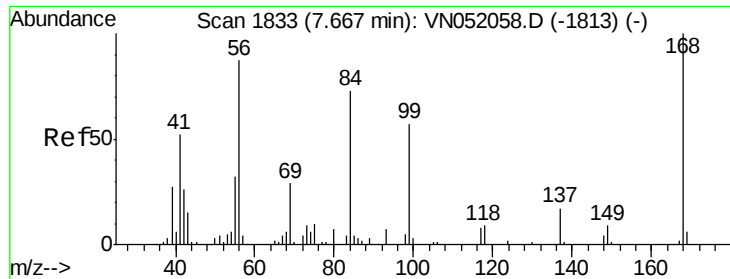
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052080.D

Acq: 31 Oct 2018 18:05

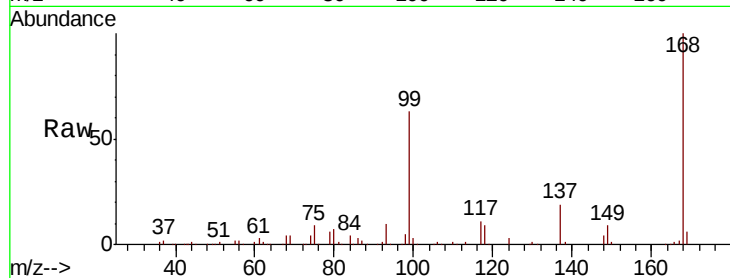
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 282910

Ion Ratio Lower Upper

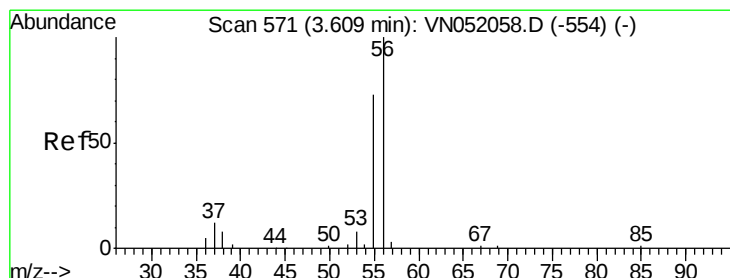
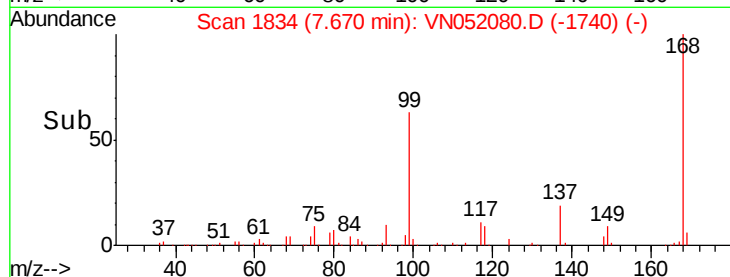
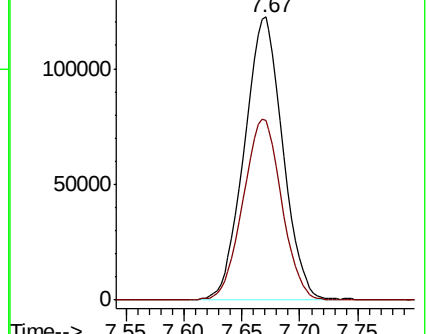
168 100

99 63.3 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#13

Acrolein

Concen: 24.330 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052080.D

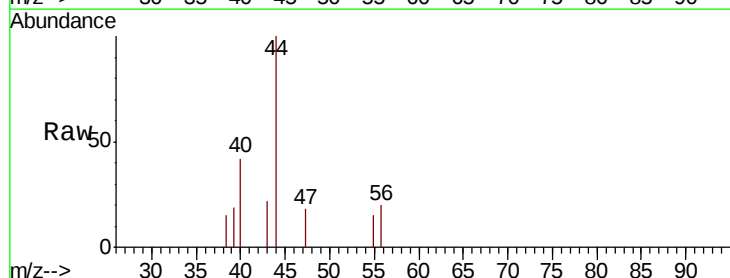
Acq: 31 Oct 2018 18:05

Tgt Ion: 56 Resp: 74

Ion Ratio Lower Upper

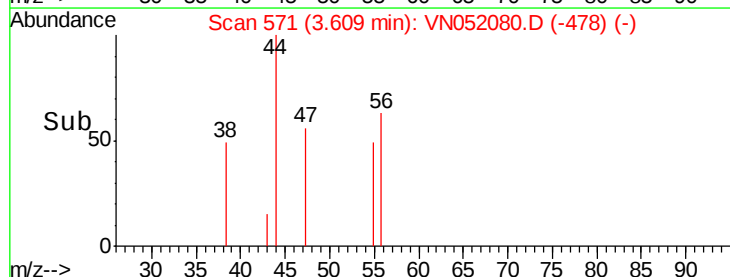
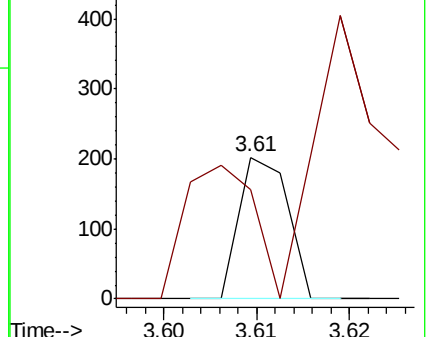
56 100

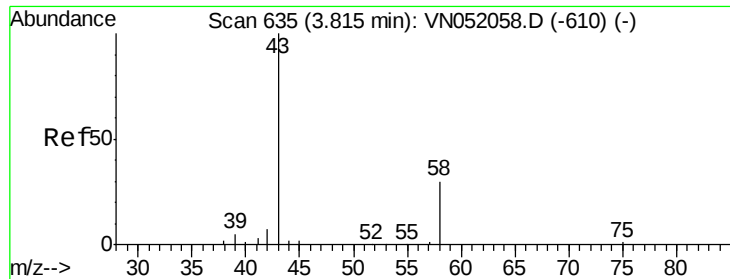
55 133.8 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: 3.939 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052080.D

Acq: 31 Oct 2018 18:05

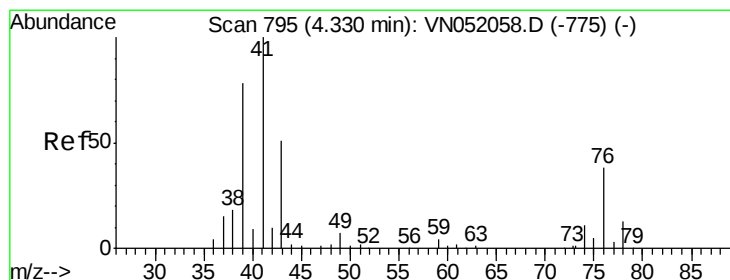
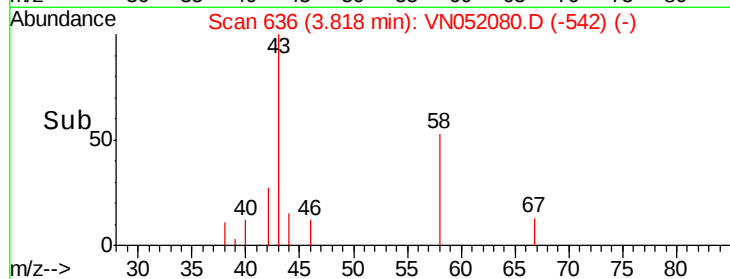
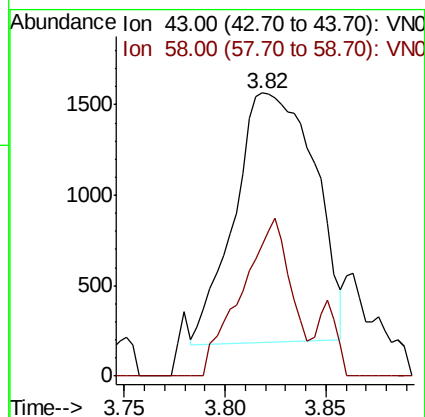
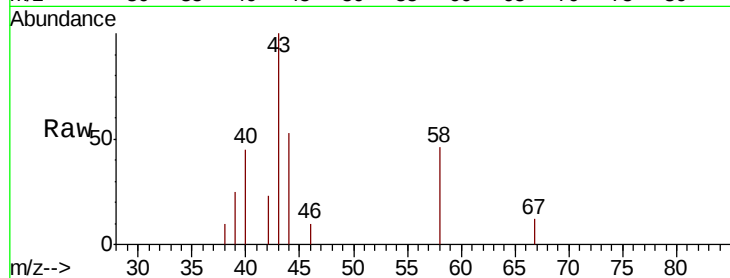
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3817

Ion Ratio Lower Upper

43 100

58 52.9 24.2 36.2#



#18

Methyl Acetate

Concen: 0.496 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.01 min

Lab File: VN052080.D

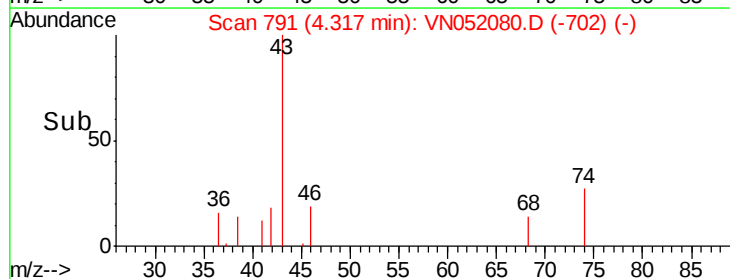
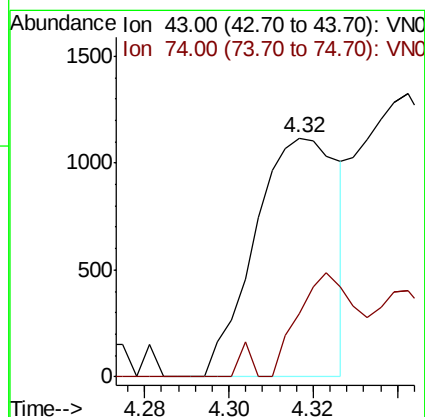
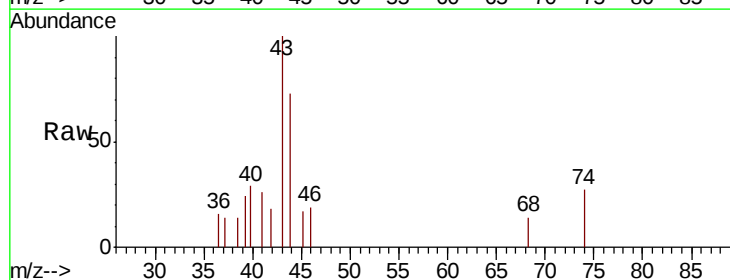
Acq: 31 Oct 2018 18:05

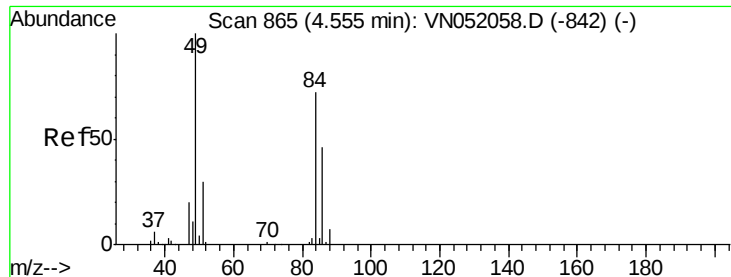
Tgt Ion: 43 Resp: 1531

Ion Ratio Lower Upper

43 100

74 30.6 17.9 26.9#

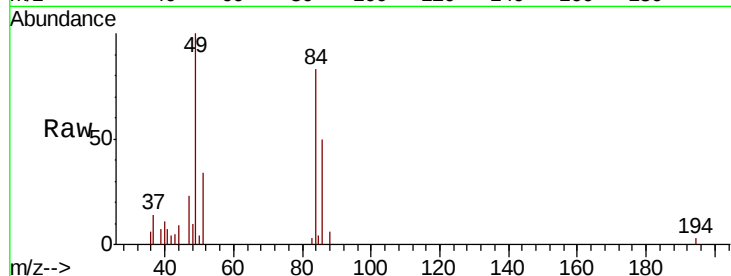




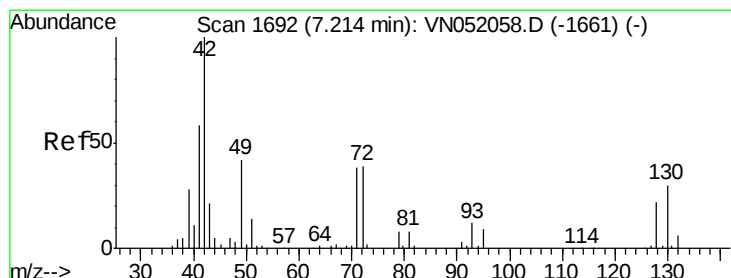
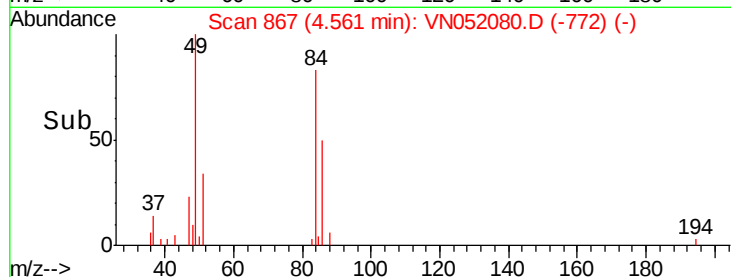
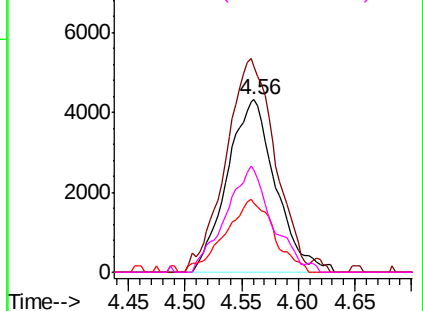
#20
Methvlene Chloride
Concen: 3.493 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN052080.D
Acq: 31 Oct 2018 18:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	84	Resp:	12897
Ion	Ratio	Lower	Upper
84	100		
49	119.8	110.6	165.8
51	40.3	33.7	50.5
86	59.4	50.5	75.7

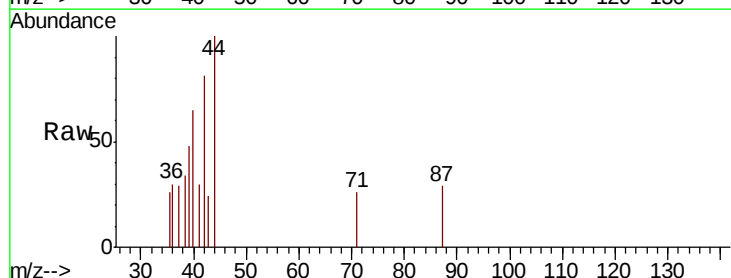


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

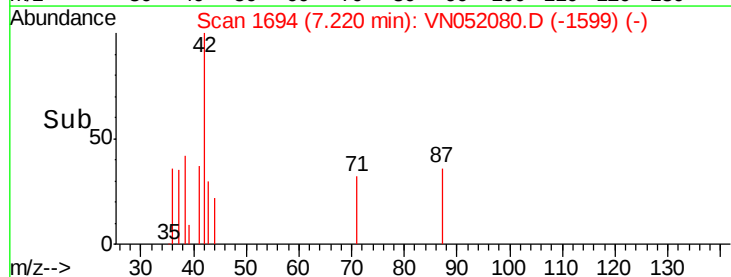
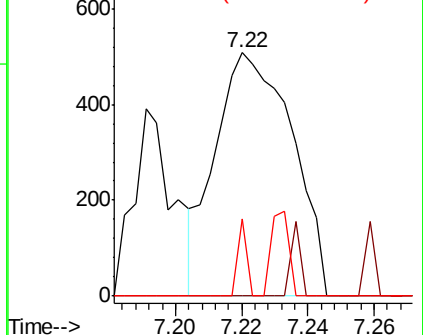


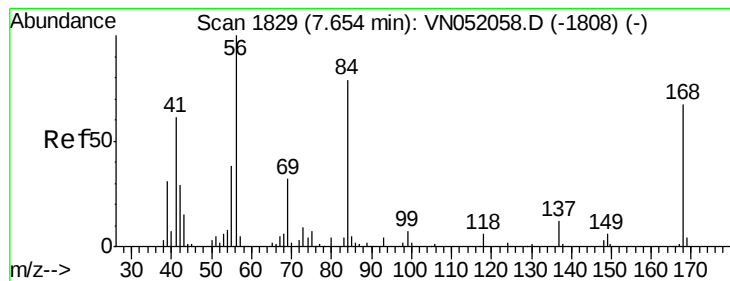
#29
Tetrahydrofuran
Concen: 0.808 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN052080.D
Acq: 31 Oct 2018 18:05

Tgt Ion:	42	Resp:	818
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.5	48.7#
71	3.8	30.6	46.0#



Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052080.D

Acq: 31 Oct 2018 18:05

Instrument :
MSVOA_N
ClientSampled :

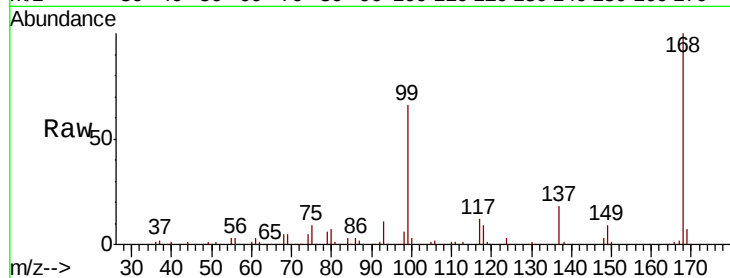
Tot Ion: 56 Resp: 7582

Ion Ratio Lower Upper

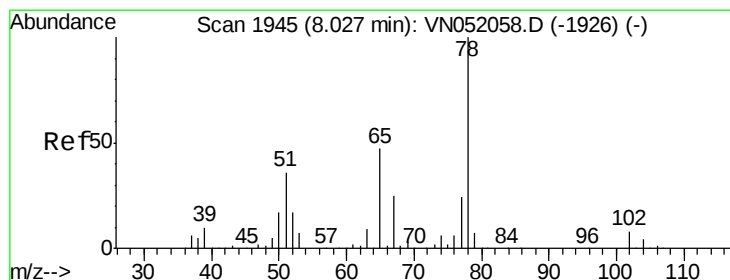
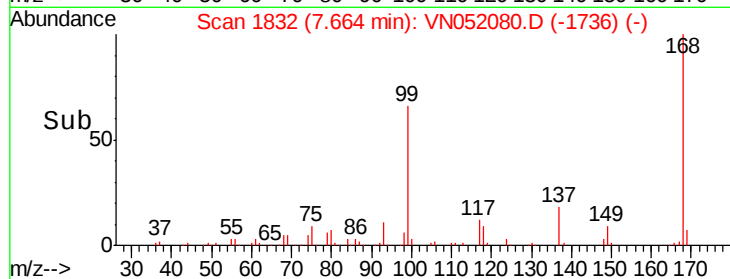
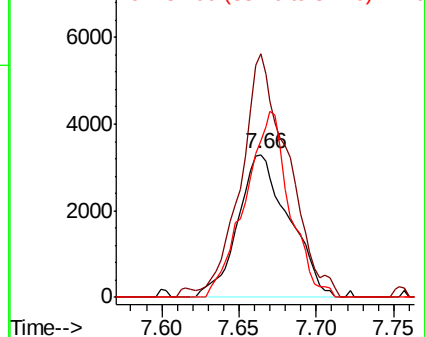
56 100

69 170.6 25.8 38.6#

84 110.0 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: VN052080.D

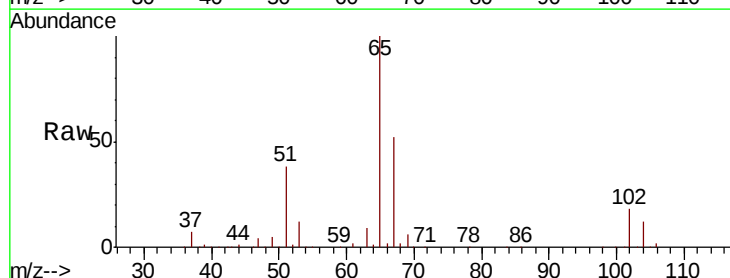
Acq: 31 Oct 2018 18:05

Tgt Ion: 65 Resp: 245756

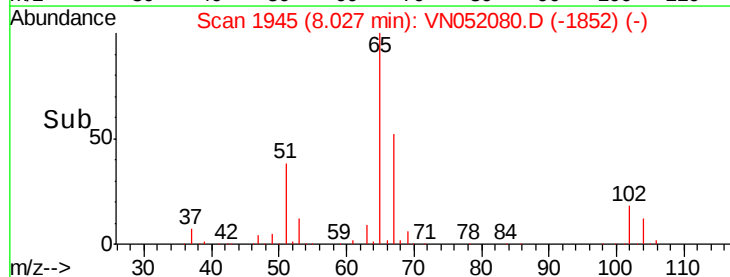
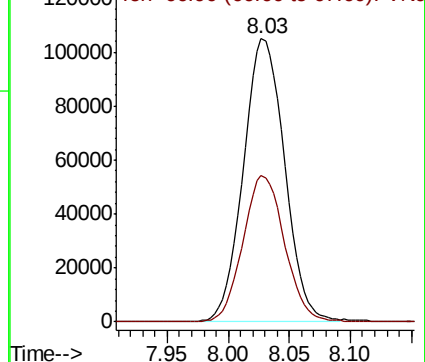
Ion Ratio Lower Upper

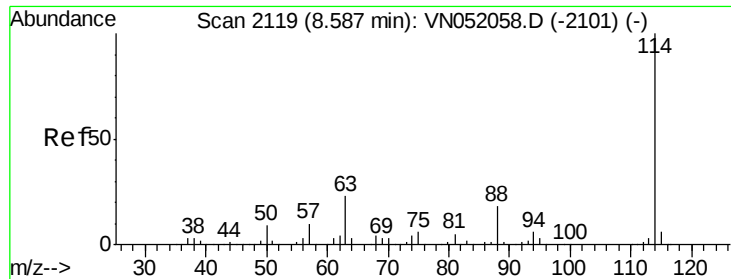
65 100

67 52.2 0.0 105.2



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

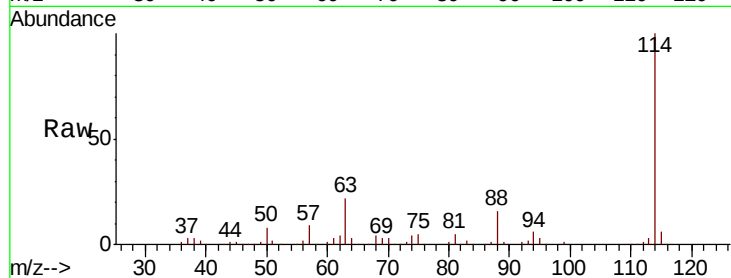




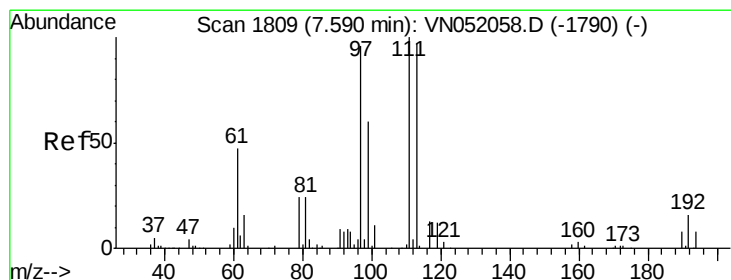
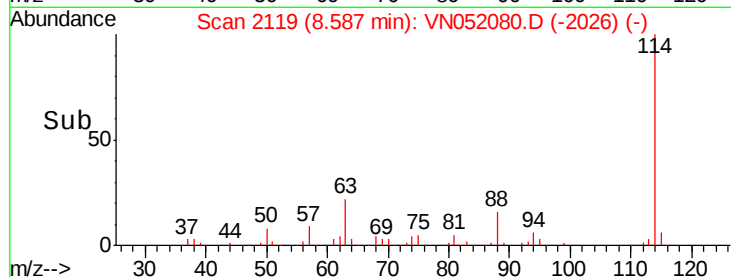
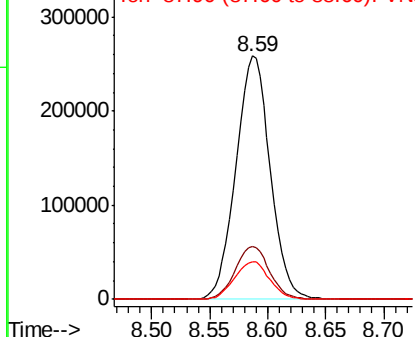
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052080.D
 Acq: 31 Oct 2018 18:05

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 530409
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 46.0
 88 15.6 0.0 35.4

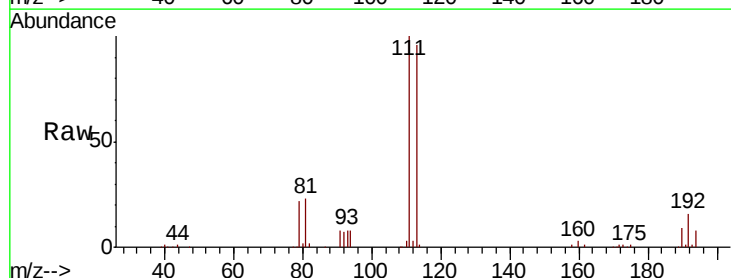


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

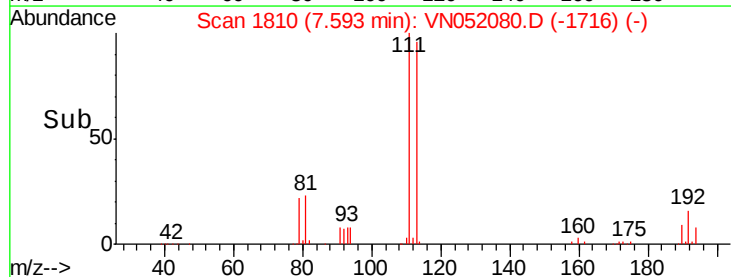
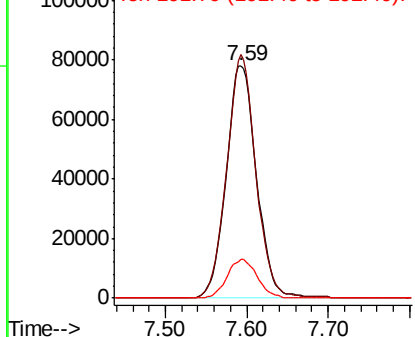


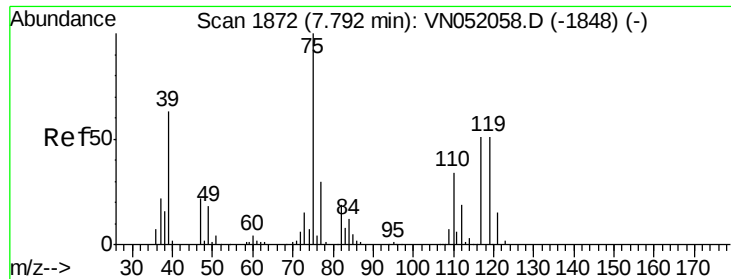
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052080.D
 Acq: 31 Oct 2018 18:05

Tgt Ion:113 Resp: 203404
 Ion Ratio Lower Upper
 113 100
 111 100.4 83.1 124.7
 192 16.6 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

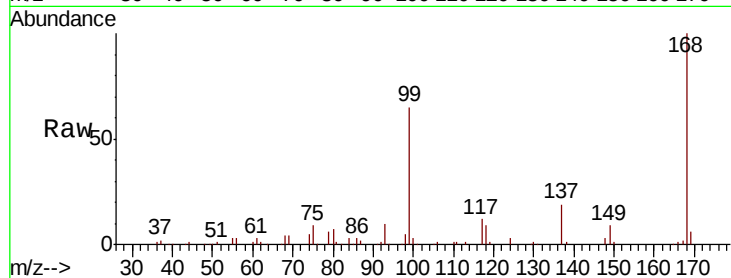




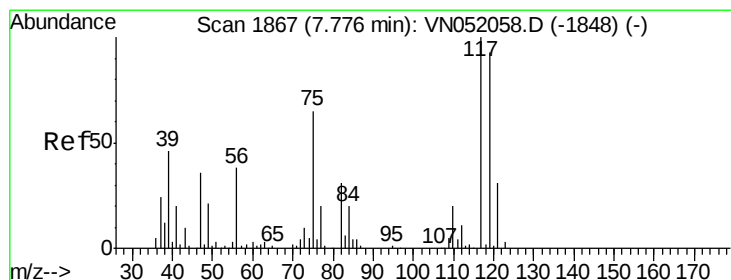
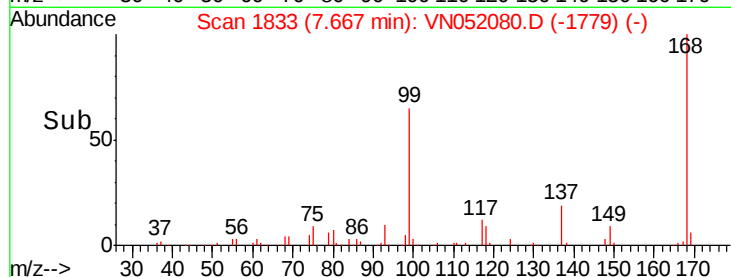
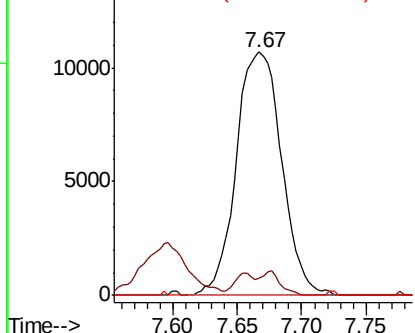
#36
 1,1-Dichloropropene
 Concen: 4.864 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052080.D
 Acq: 31 Oct 2018 18:05

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	4.4	16.0	48.0#
77	0.0	24.5	36.7#

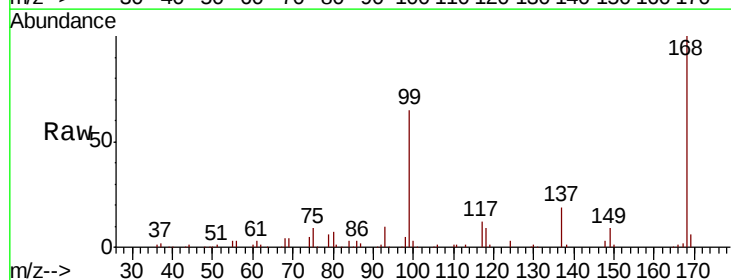


Abundance Ion 74.90 (74.60 to 75.60): VN052058.D (-1848) (-)
 Ion 109.90 (109.60 to 110.60): VN052058.D (-1848) (-)
 Ion 76.90 (76.60 to 77.60): VN052058.D (-1848) (-)

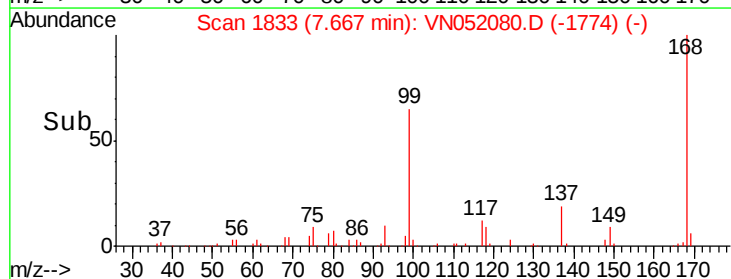
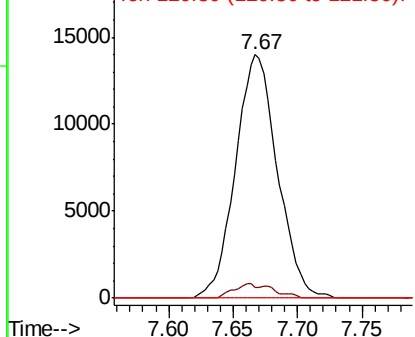


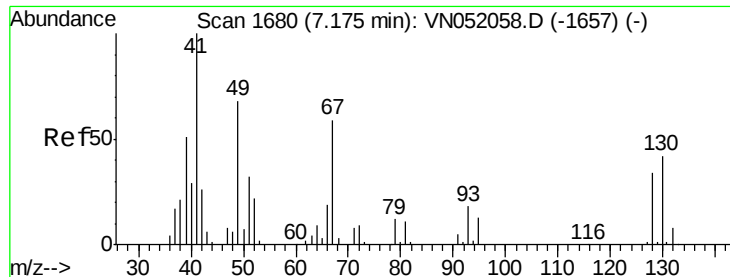
#38
 Carbon Tetrachloride
 Concen: 6.799 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052080.D
 Acq: 31 Oct 2018 18:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	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) (-)

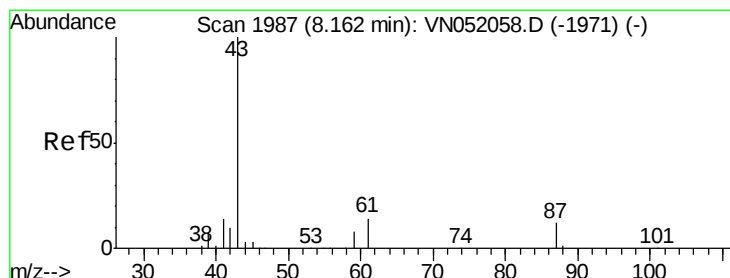
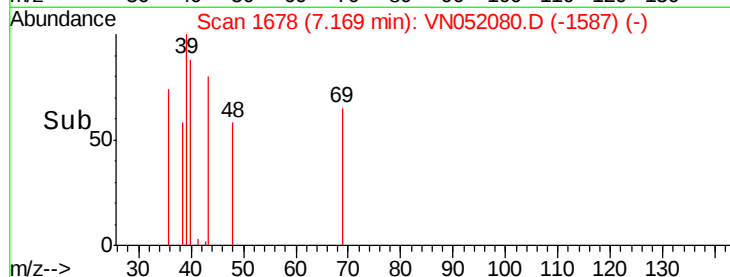
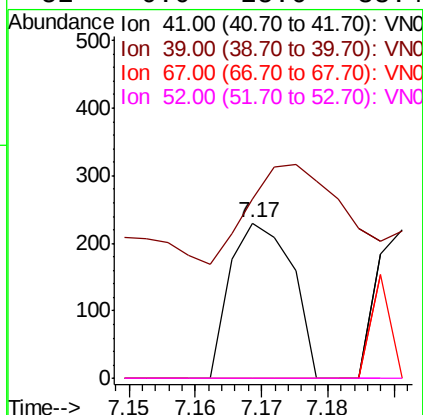
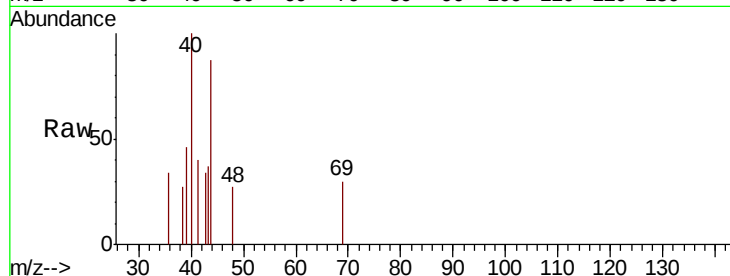




#41
Methacrylonitrile
Concen: 0.222 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN052080.D
Acq: 31 Oct 2018 18:05

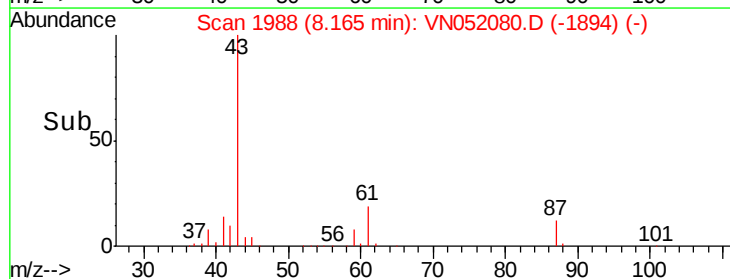
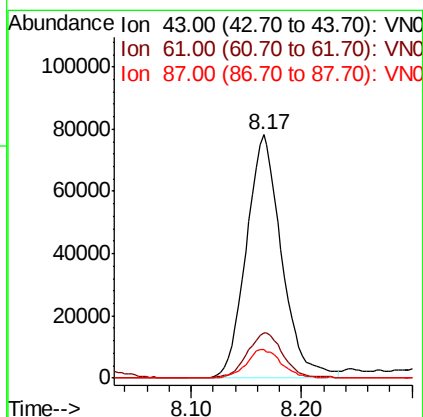
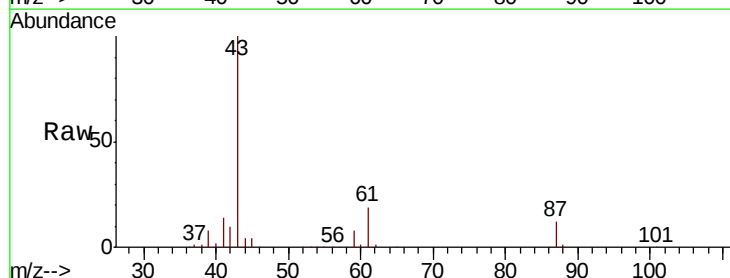
Instrument :
MSVOA_N
ClientSampled :

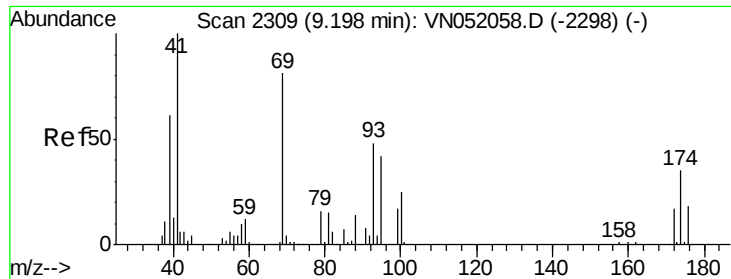
Tot Ion: 41 Resp: 149
Ion Ratio Lower Upper
41 100
39 114.8 33.2 49.8#
67 0.0 63.5 95.3#
52 0.0 25.6 38.4#



#43
Isopropyl Acetate
Concen: 27.000 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052080.D
Acq: 31 Oct 2018 18:05

Tgt Ion: 43 Resp: 173354
Ion Ratio Lower Upper
43 100
61 18.8 15.4 23.0
87 11.5 9.8 14.8

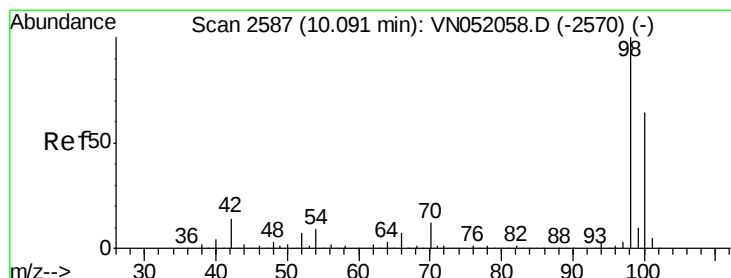
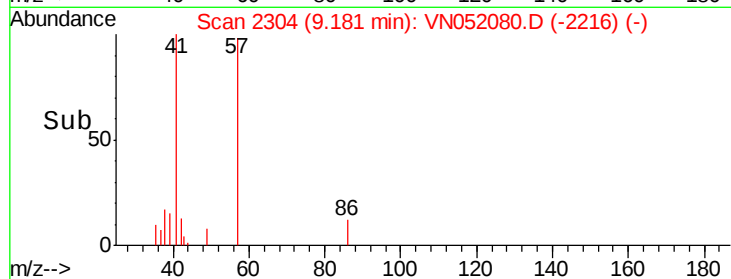
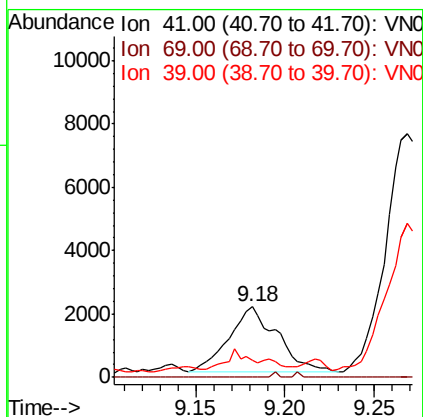
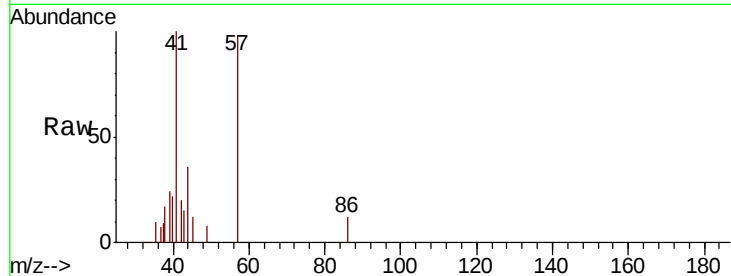




#48
Methvl methacrylate
Concen: 1.219 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN052080.D
Acq: 31 Oct 2018 18:05

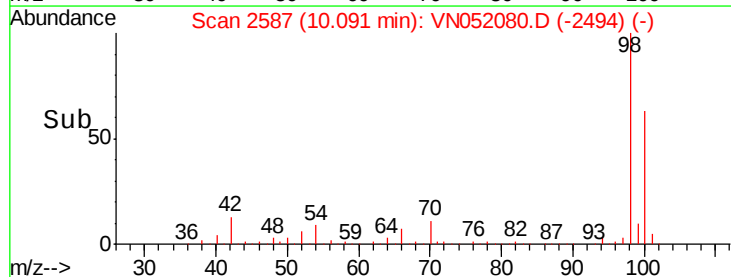
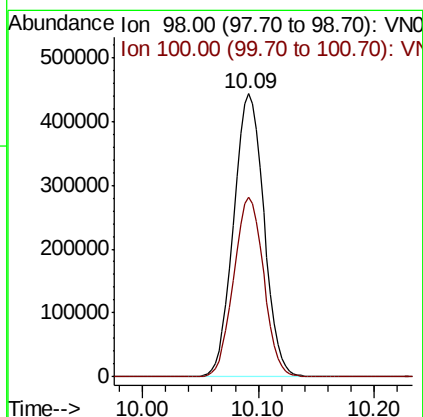
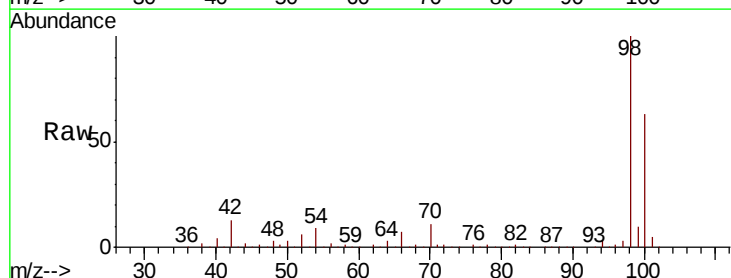
Instrument :
MSVOA_N
ClientSampled :

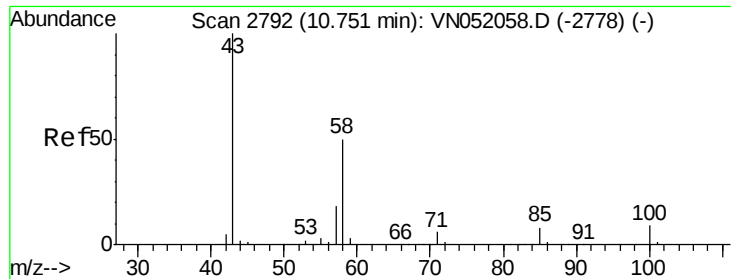
Tot Ion: 41 Resp: 3968
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 12.9 50.5 75.7#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052080.D
Acq: 31 Oct 2018 18:05

Tgt Ion: 98 Resp: 802606
Ion Ratio Lower Upper
98 100
100 62.7 51.4 77.2

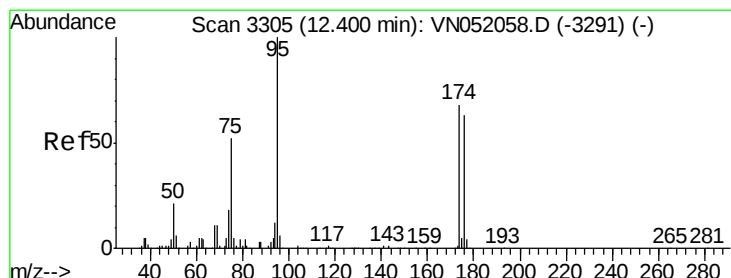
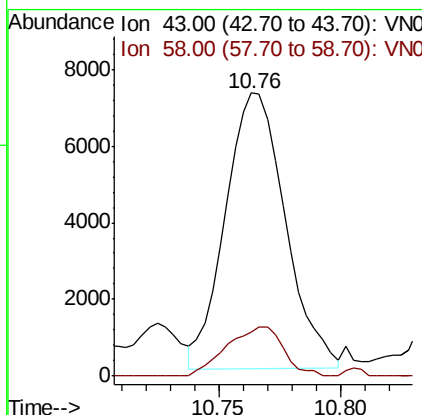
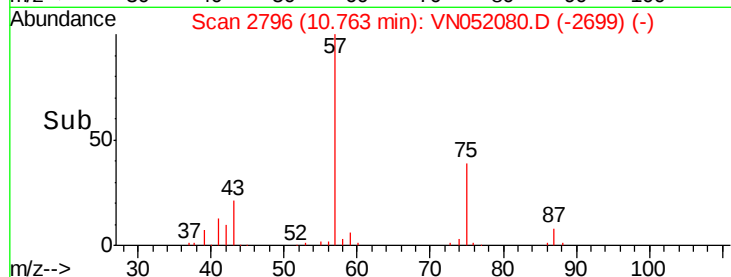
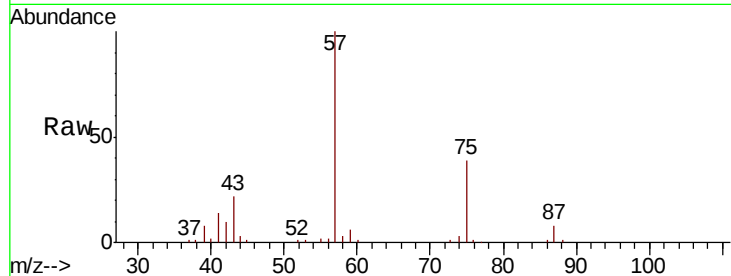




#59
2-Hexanone
Concen: 4.934 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052080.D
Acq: 31 Oct 2018 18:05

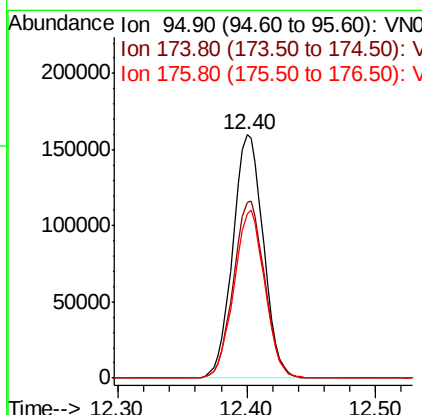
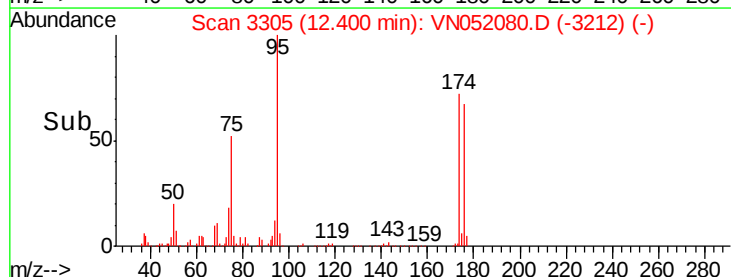
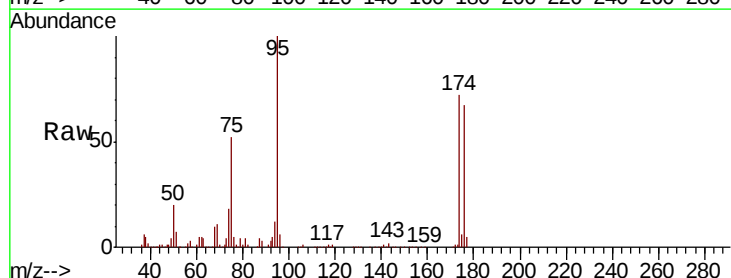
Instrument :
MSVOA_N
ClientSampleId :

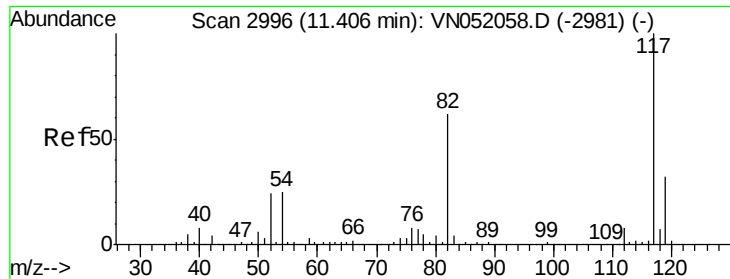
Tot Ion: 43 Resp: 12270
Ion Ratio Lower Upper
43 100
58 17.0 25.2 75.6#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052080.D
Acq: 31 Oct 2018 18:05

Tgt Ion: 95 Resp: 262415
Ion Ratio Lower Upper
95 100
174 74.3 0.0 131.8
176 69.6 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN052080.D

Acq: 31 Oct 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

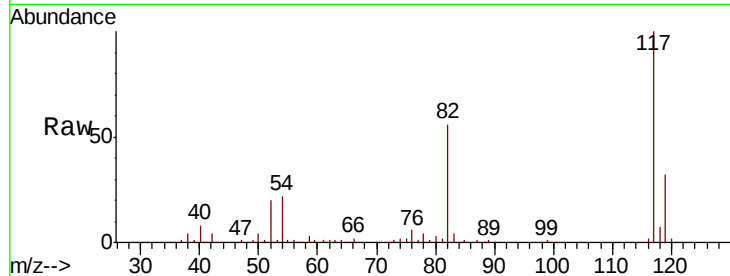
Tot Ion:117 Resp: 502249

Ion Ratio Lower Upper

117 100

82 56.1 49.9 74.9

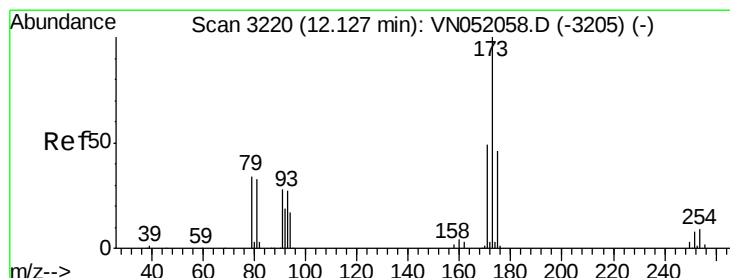
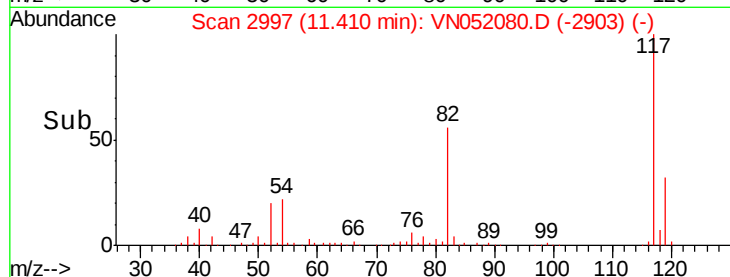
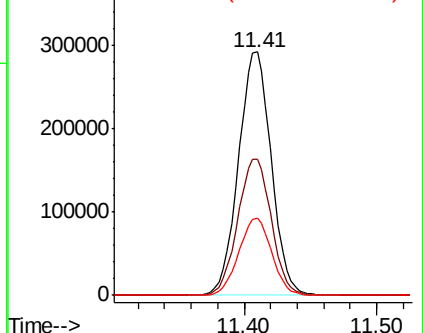
119 31.6 25.7 38.5



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: 3.364 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN052080.D

Acq: 31 Oct 2018 18:05

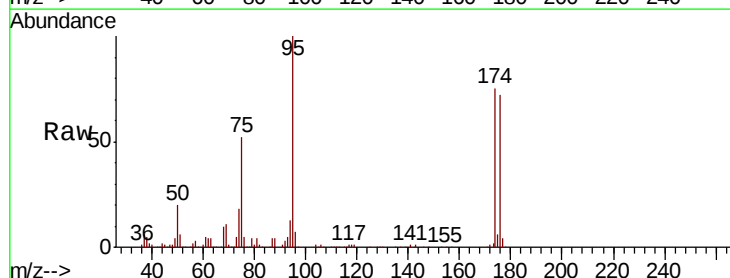
Tgt Ion:173 Resp: 2647

Ion Ratio Lower Upper

173 100

175 520.9 23.9 71.7#

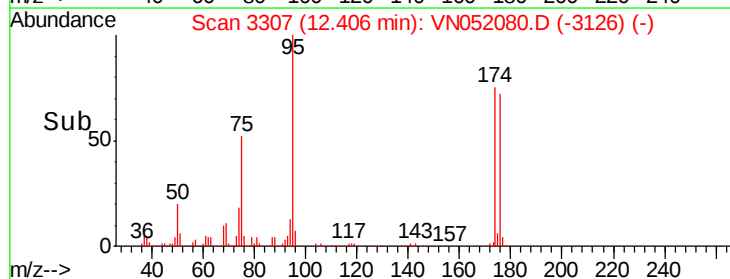
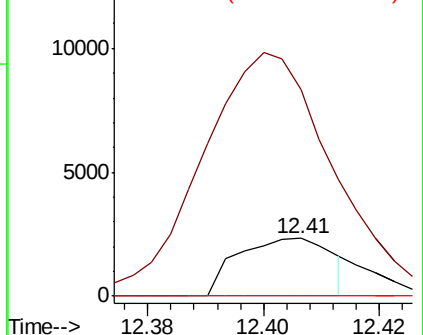
254 0.0 0.0 0.0

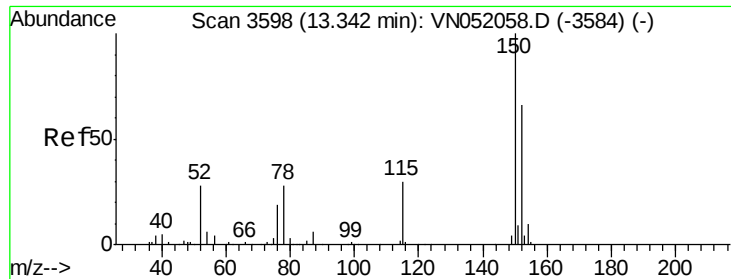


Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052080.D

Acq: 31 Oct 2018 18:05

Instrument :

MSVOA_N

ClientSampled :

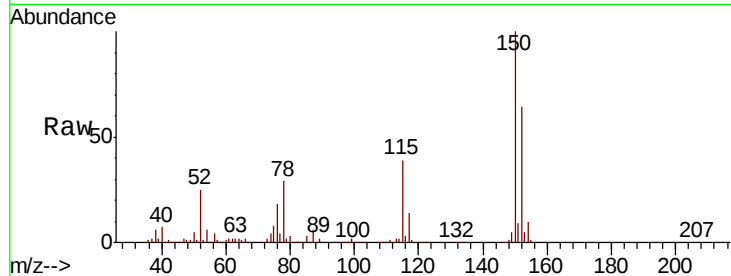
Tot Ion:152 Resp: 196386

Ion Ratio Lower Upper

152 100

115 62.8 31.6 95.0

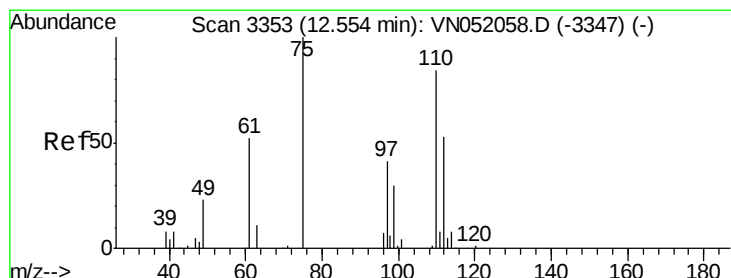
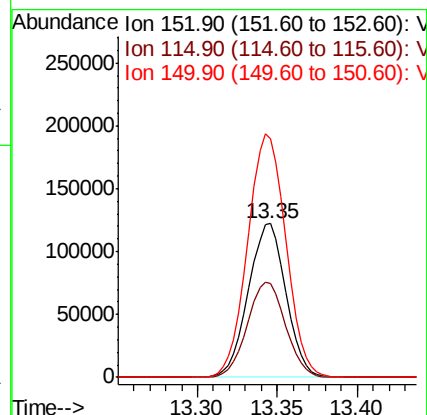
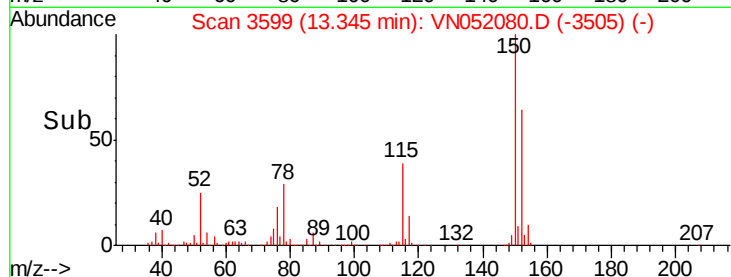
150 160.3 0.0 345.0



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: 38.936 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052080.D

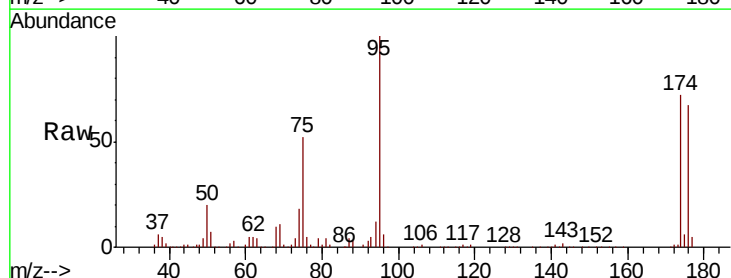
Acq: 31 Oct 2018 18:05

Tgt Ion: 75 Resp: 139973

Ion Ratio Lower Upper

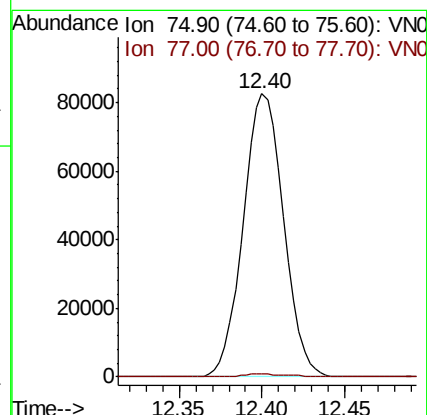
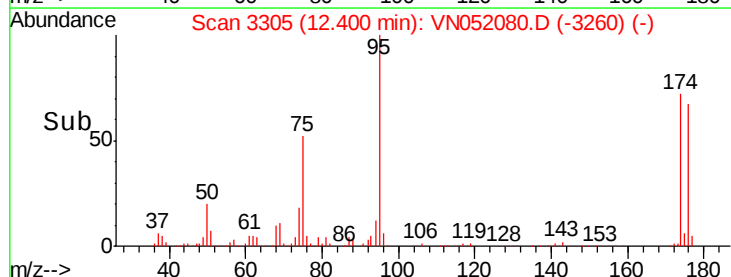
75 100

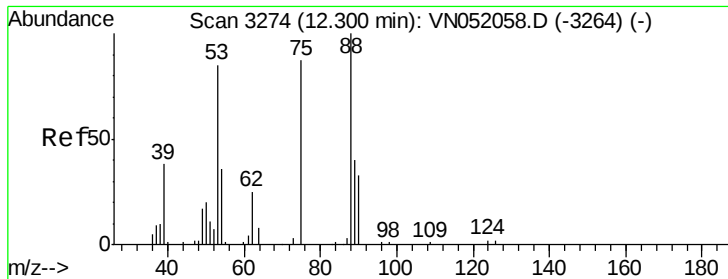
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 129.235 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052080.D

Acq: 31 Oct 2018 18:05

Instrument :

MSVOA_N

ClientSampled :

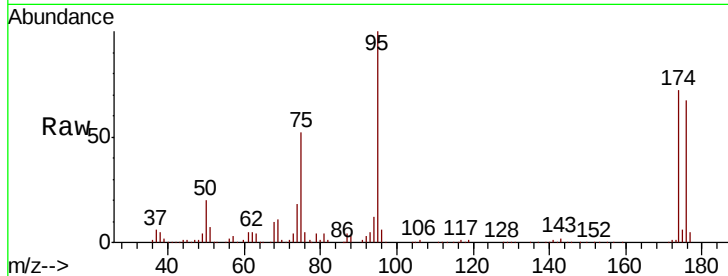
Tot Ion: 75 Resp: 139973

Ion Ratio Lower Upper

75 100

53 0.1 81.8 122.6#

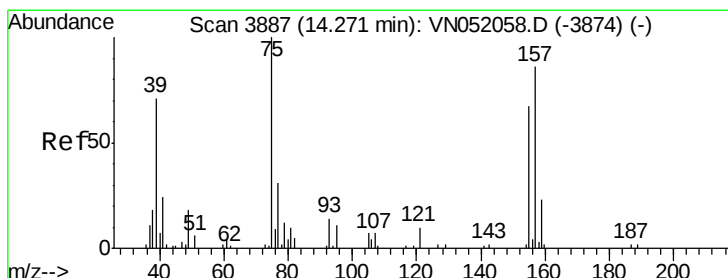
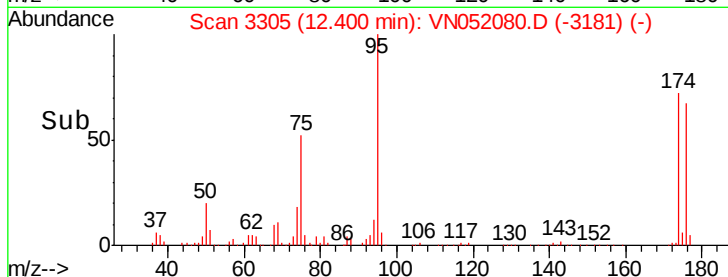
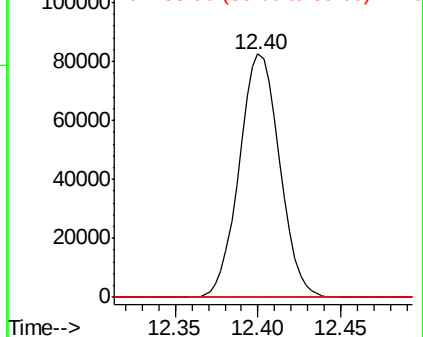
89 0.0 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.314 ug/l

RT: 14.26 min Scan# 3882

Delta R.T. -0.02 min

Lab File: VN052080.D

Acq: 31 Oct 2018 18:05

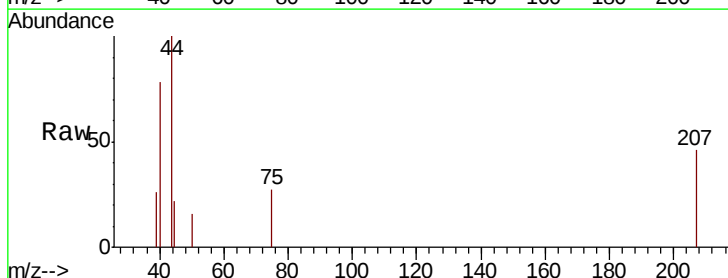
Tgt Ion: 75 Resp: 234

Ion Ratio Lower Upper

75 100

155 0.0 34.0 102.0#

157 0.0 42.1 126.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

