

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112118\
 Data File : VN052433.D
 Acq On : 21 Nov 2018 12:57
 Operator : MD\SY
 Sample : PB114992ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 23:56:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	317386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	534824	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	461975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	159560	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	246001	54.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.76%	
35) Dibromofluoromethane	7.59	113	177453	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
50) Toluene-d8	10.09	98	679448	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.40	95	204402	45.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.58%	

Target Compounds

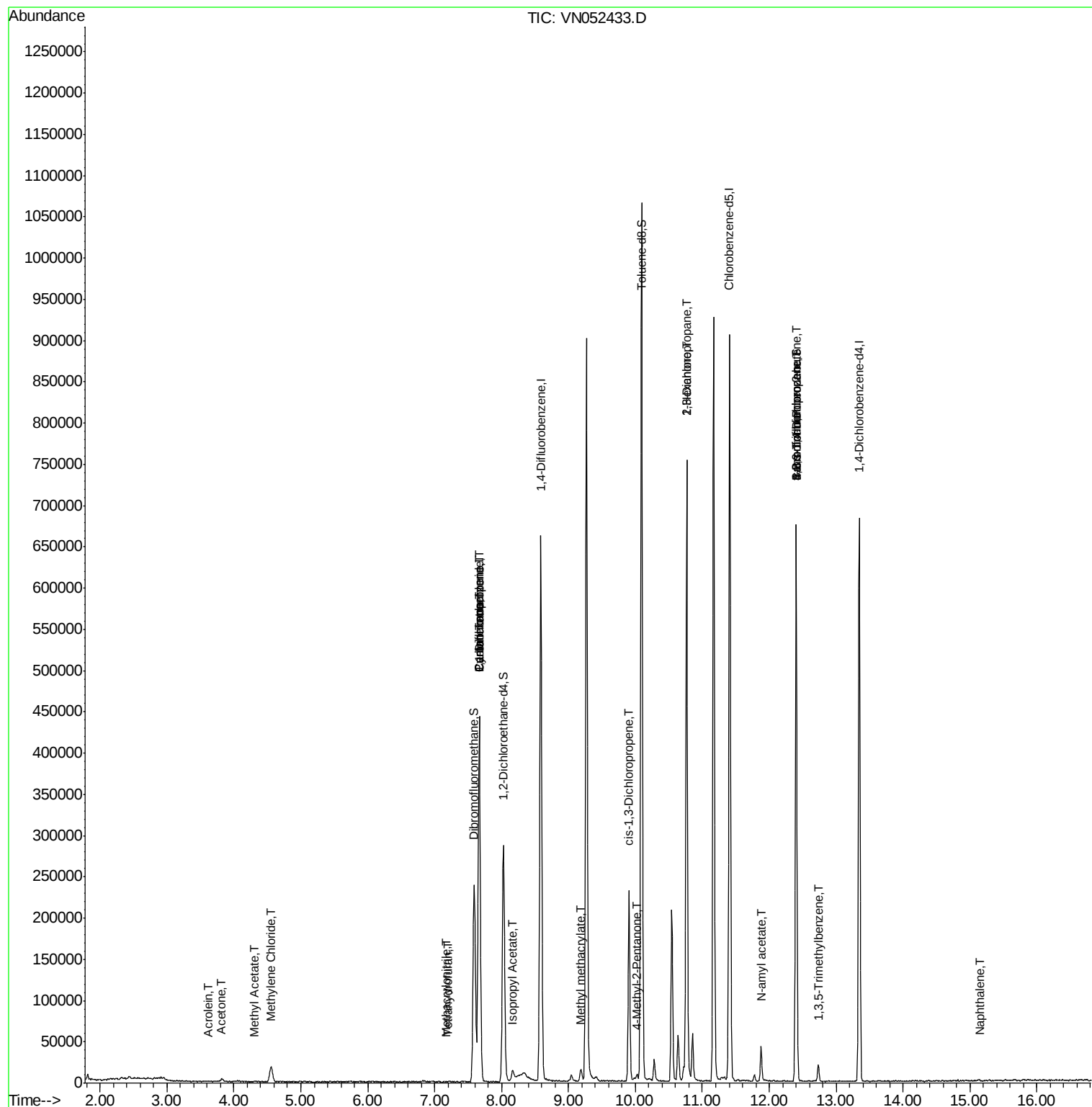
						Qvalue
13) Acrolein	3.61	56	64	21.934	ug/l #	68
16) Acetone	3.81	43	2724	2.207	ug/l	98
18) Methyl Acetate	4.32	43	692	0.630	ug/l #	57
20) Methylene Chloride	4.55	84	11900	2.504	ug/l	90
29) Tetrahydrofuran	7.21	42	552	0.484	ug/l #	45
31) Cyclohexane	7.67	56	9888	0.399	ug/l #	37
36) 1,1-Dichloropropene	7.66	75	30959	5.775	ug/l #	51
38) Carbon Tetrachloride	7.66	117	35439	7.196	ug/l #	15
41) Methacrylonitrile	7.17	41	104	3.740	ug/l #	100
43) Isopropyl Acetate	8.17	43	19467	2.593	ug/l #	90
48) Methyl methacrylate	9.18	41	4666	1.225	ug/l #	39
51) 4-Methyl-2-Pentanone	10.03	43	5753	1.522	ug/l #	41
54) cis-1,3-Dichloropropene	9.90	75	33196	5.592	ug/l #	81
57) 1,3-Dichloropropane	10.76	76	7431	1.263	ug/l #	43
59) 2-Hexanone	10.77	43	127235	48.951	ug/l #	55
71) Bromoform	12.41	173	648	0.330	ug/l #	1
74) N-amyl acetate	11.88	43	13907	3.044	ug/l #	60
76) 1,2,3-Trichloropropane	12.40	75	120729	44.592	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	9513	0.932	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	120729	144.628	ug/l #	5
95) Naphthalene	15.14	128	184	2.635	ug/l #	69

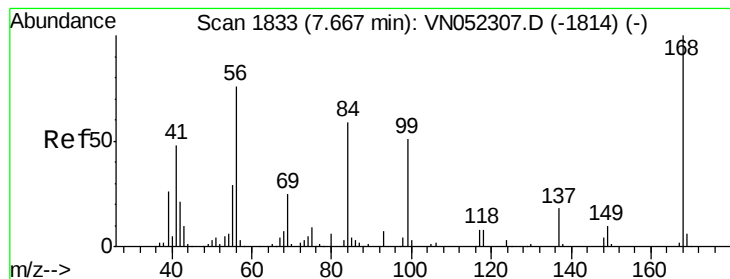
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 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: VN052433.D

Acq: 21 Nov 2018 12:57

Instrument :

MSVOA_N

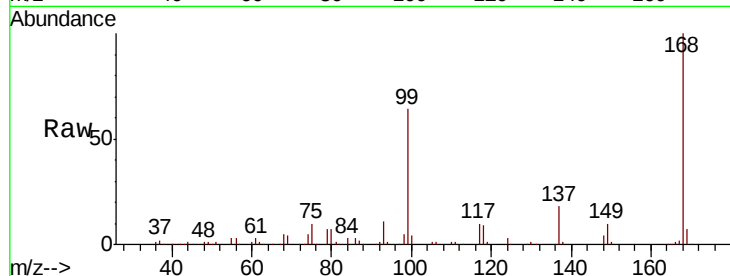
ClientSampled :

Tot Ion:168 Resp: 317386

Ion Ratio Lower Upper

168 100

99 64.3 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

150000

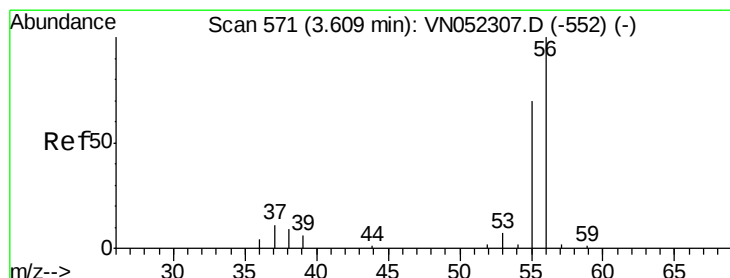
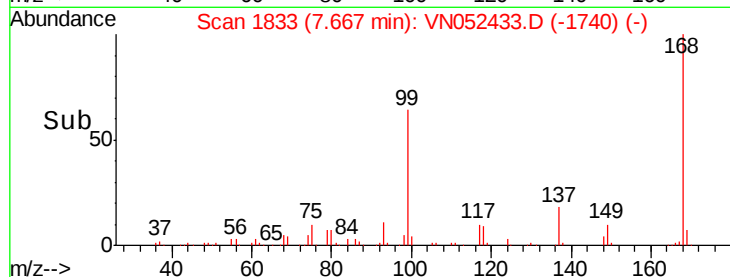
100000

50000

0

Time-->

7.60 7.70 7.80



#13

Acrolein

Concen: 21.934 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052433.D

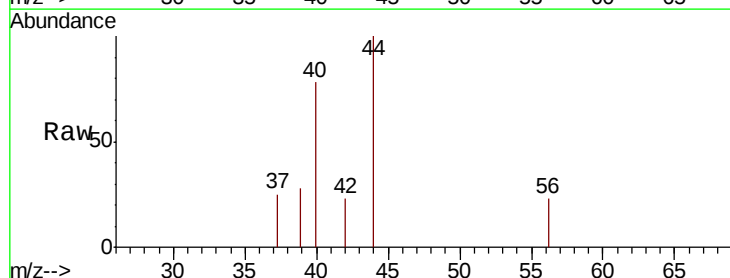
Acq: 21 Nov 2018 12:57

Tgt Ion: 56 Resp: 64

Ion Ratio Lower Upper

56 100

55 45.3 57.6 86.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

200

150

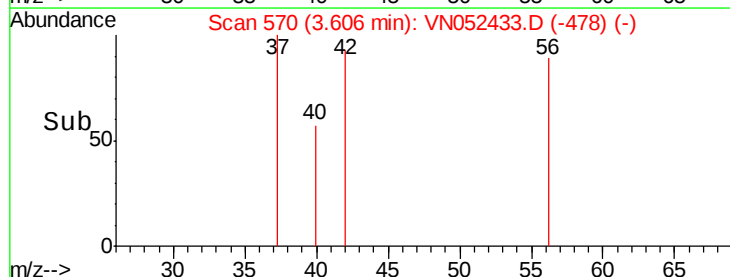
100

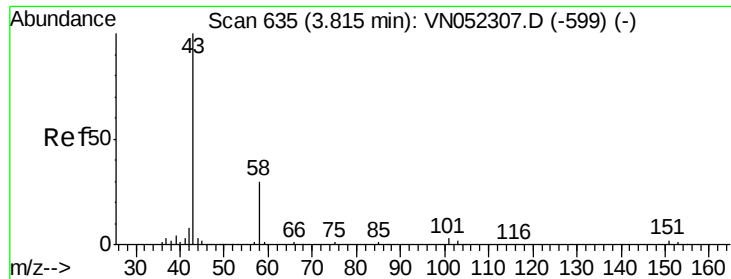
50

0

Time-->

3.60 3.61 3.62





#16

Acetone

Concen: 2.207 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052433.D

Acq: 21 Nov 2018 12:57

Instrument :

MSVOA_N

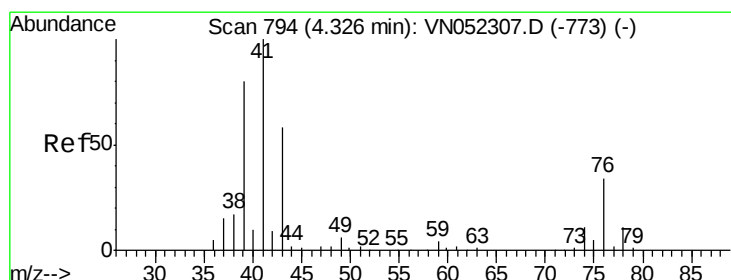
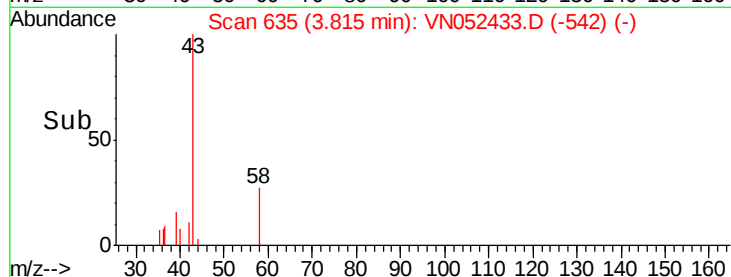
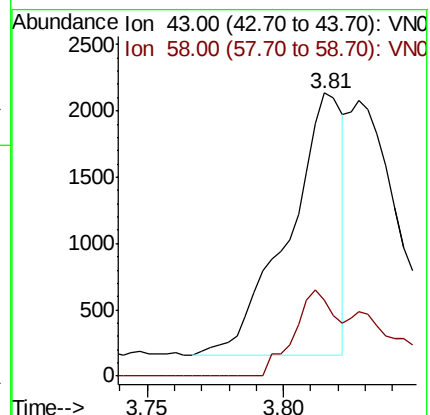
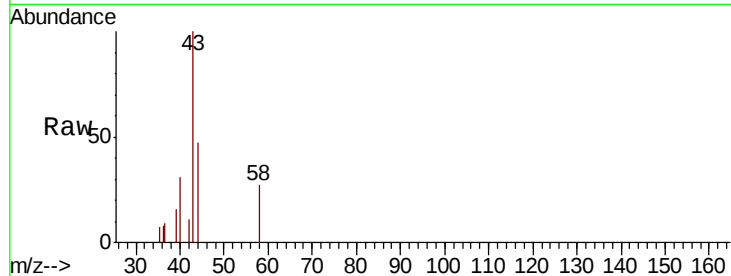
ClientSampled :

Tot Ion: 43 Resp: 2724

Ion Ratio Lower Upper

43 100

58 29.0 24.2 36.4



#18

Methyl Acetate

Concen: 0.630 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.01 min

Lab File: VN052433.D

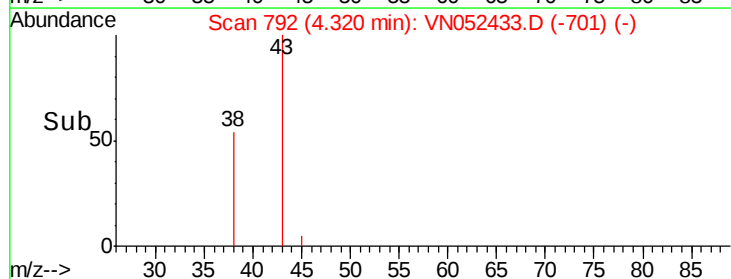
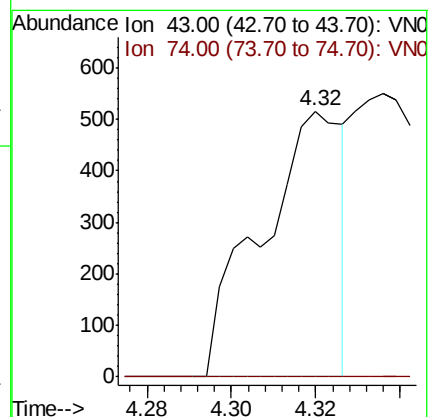
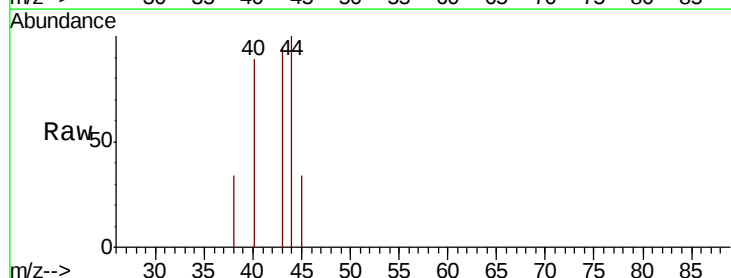
Acq: 21 Nov 2018 12:57

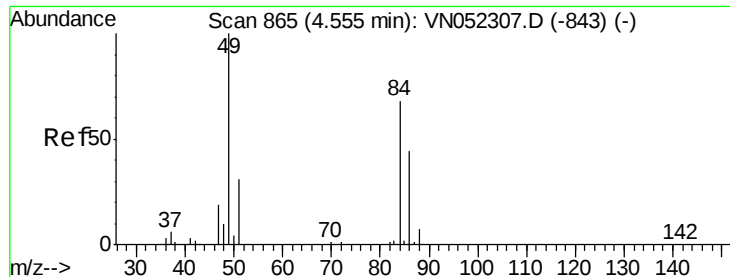
Tgt Ion: 43 Resp: 692

Ion Ratio Lower Upper

43 100

74 0.0 15.9 23.9#

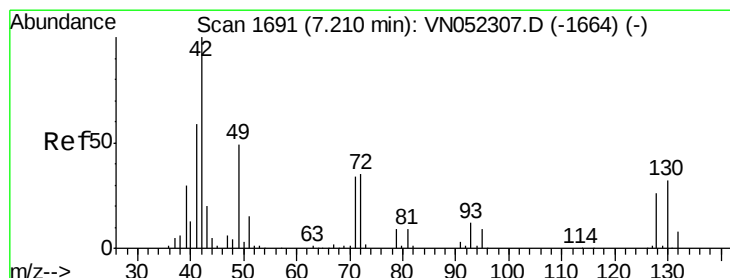
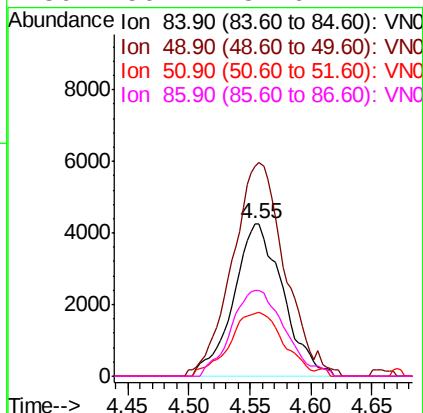
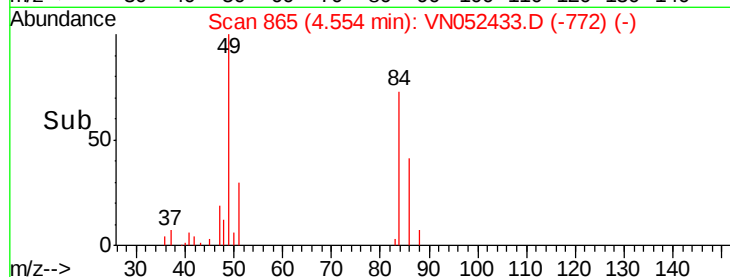
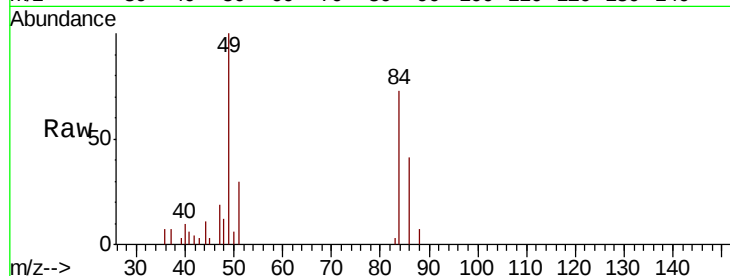




#20
Methvlene Chloride
Concen: 2.504 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052433.D
Acq: 21 Nov 2018 12:57

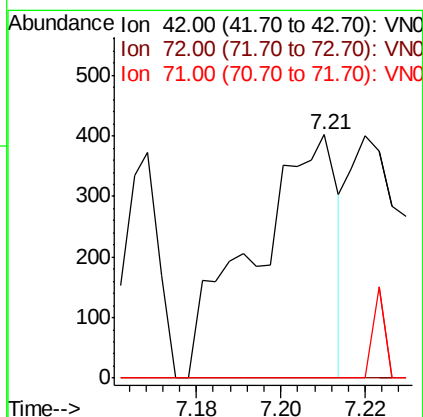
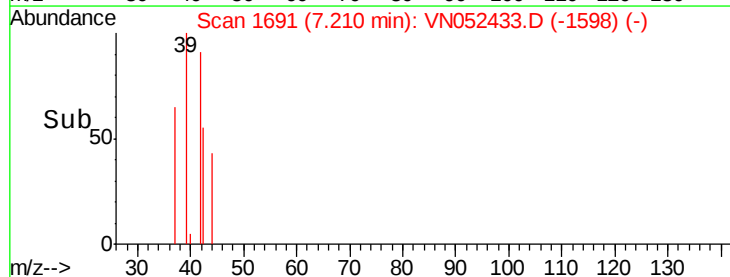
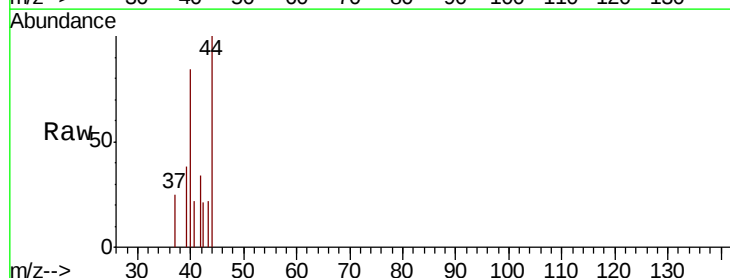
Instrument :
MSVOA_N
ClientSampled :

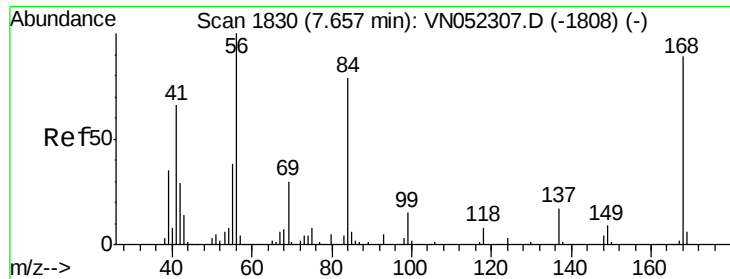
Tot Ion: 84 Resp: 11900
Ion Ratio Lower Upper
84 100
49 133.8 118.2 177.2
51 41.2 36.1 54.1
86 56.1 51.6 77.4



#29
Tetrahydrofuran
Concen: 0.484 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052433.D
Acq: 21 Nov 2018 12:57

Tgt Ion: 42 Resp: 552
Ion Ratio Lower Upper
42 100
72 0.0 28.6 42.8#
71 5.3 26.7 40.1#

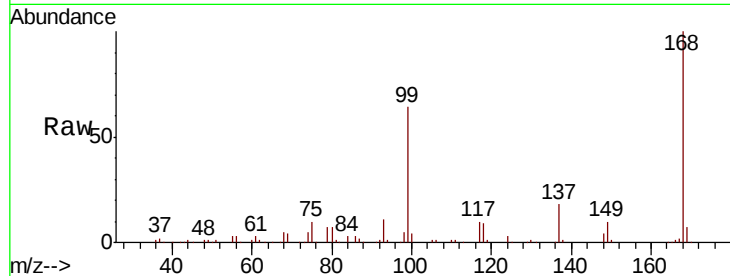




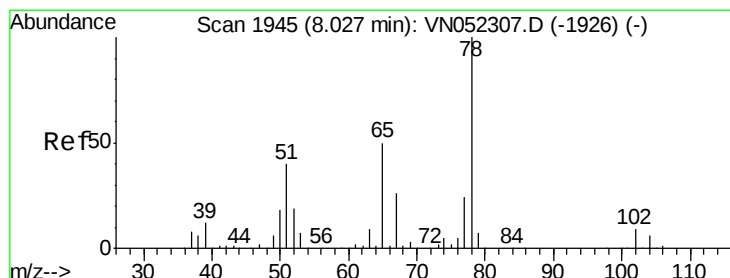
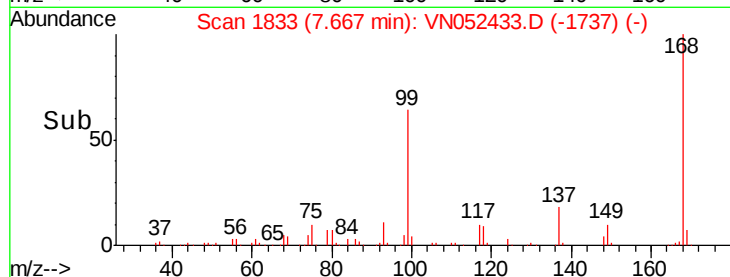
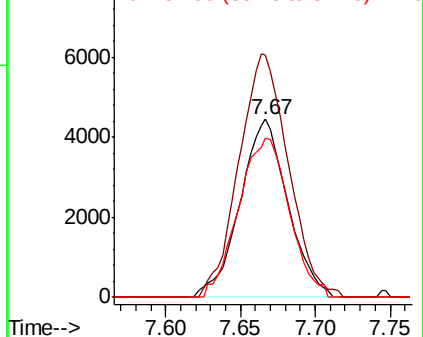
#31
Cyclohexane
Concen: 0.399 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052433.D
Acq: 21 Nov 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 9888
Ion Ratio Lower Upper
56 100
69 135.9 23.8 35.8#
84 89.3 63.0 94.6

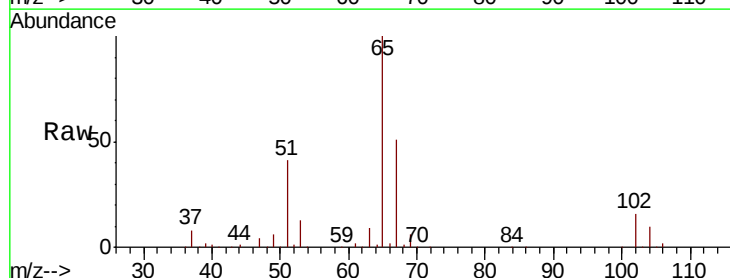


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

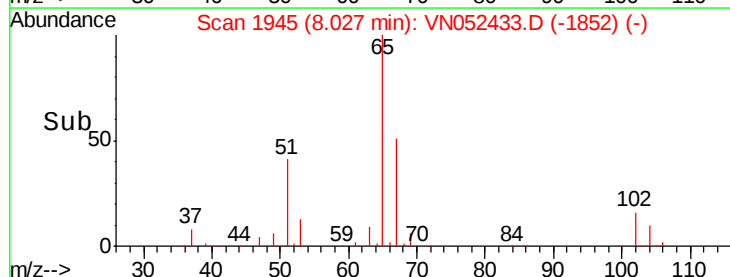
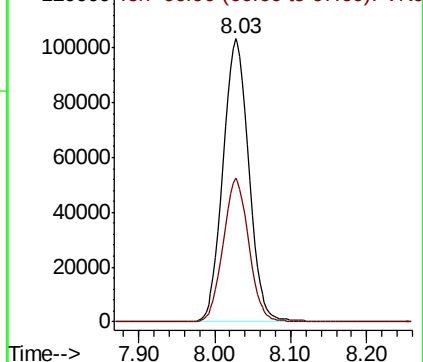


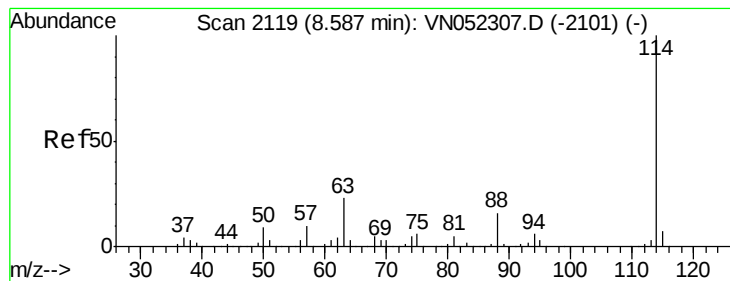
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052433.D
Acq: 21 Nov 2018 12:57

Tgt Ion: 65 Resp: 246001
Ion Ratio Lower Upper
65 100
67 50.0 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: VN052433.D

Acq: 21 Nov 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

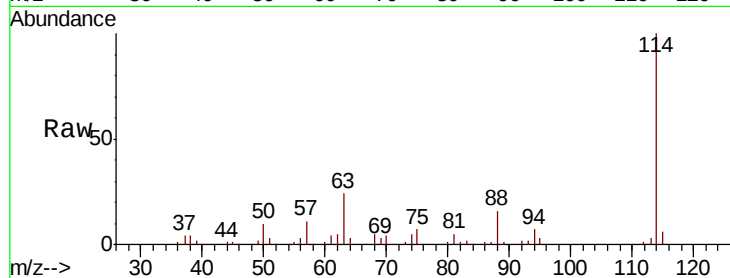
Tot Ion:114 Resp: 534824

Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.4

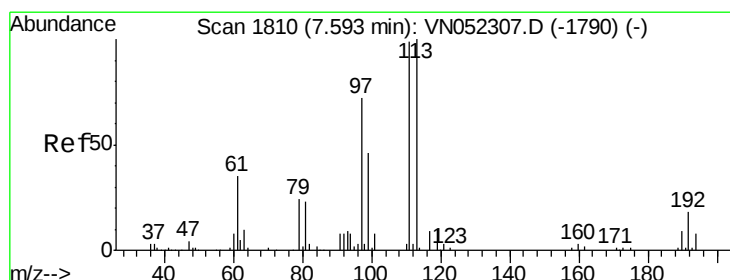
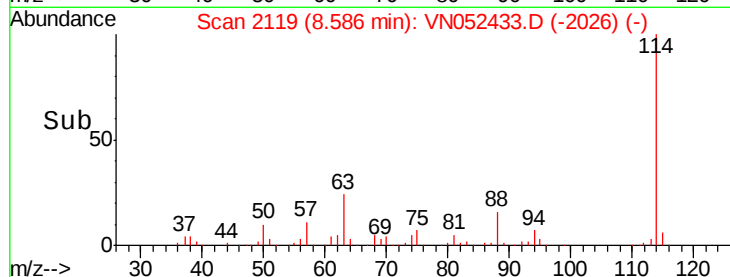
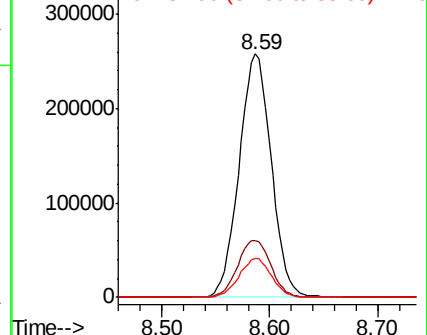
88 15.8 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052433.D

Acq: 21 Nov 2018 12:57

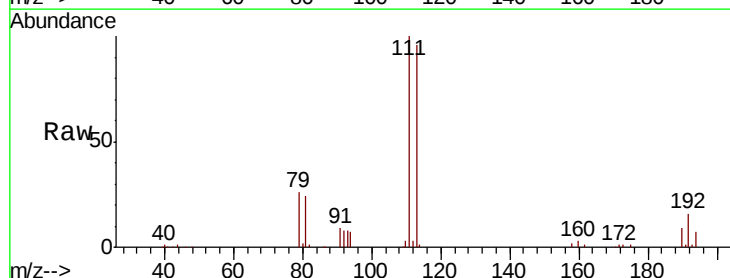
Tgt Ion:113 Resp: 177453

Ion Ratio Lower Upper

113 100

111 102.5 81.0 121.6

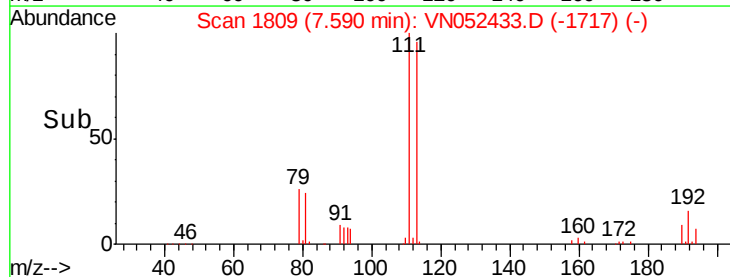
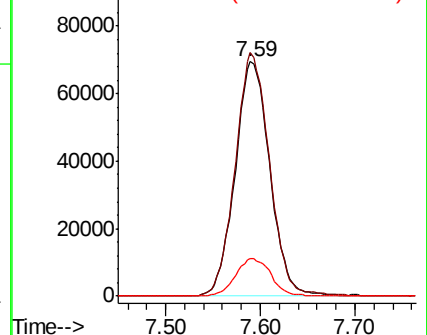
192 16.2 13.8 20.6

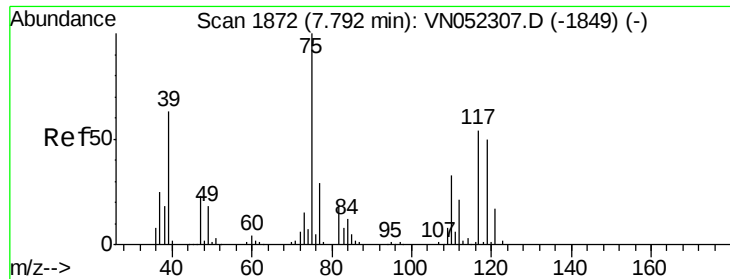


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.775 ug/l

RT: 7.66 min Scan# 1832

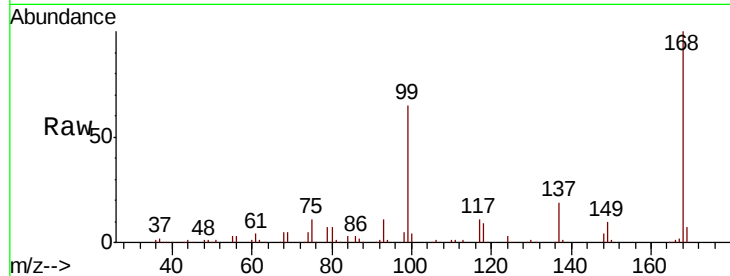
Delta R.T. -0.13 min

Lab File: VN052433.D

Acq: 21 Nov 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :

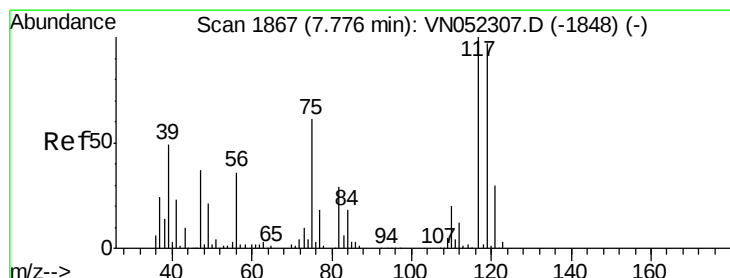
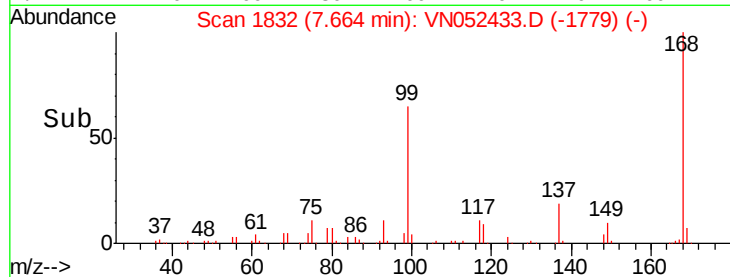
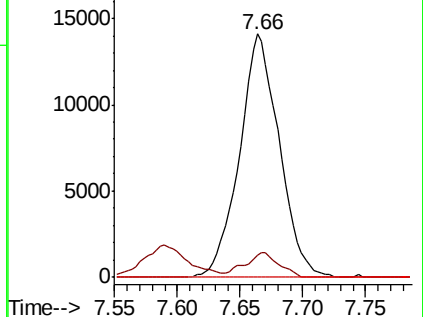
Tot Ion:	75	Resp:	30959
Ion	Ratio	Lower	Upper
75	100		
110	8.9	16.5	49.5#
77	0.0	24.2	36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN052433.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN052433.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN052433.D (-1779) (-)



#38

Carbon Tetrachloride

Concen: 7.196 ug/l

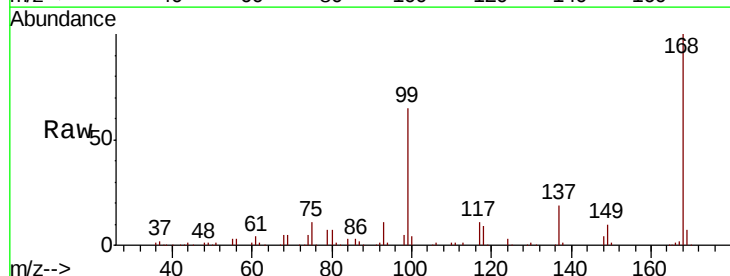
RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN052433.D

Acq: 21 Nov 2018 12:57

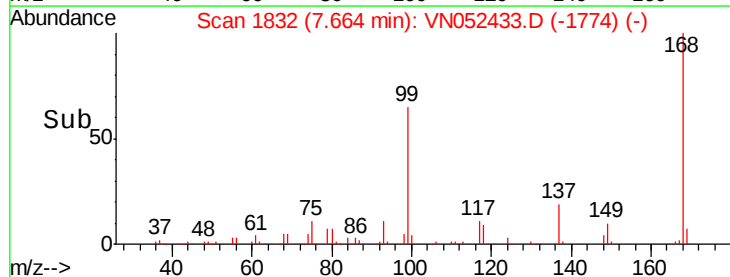
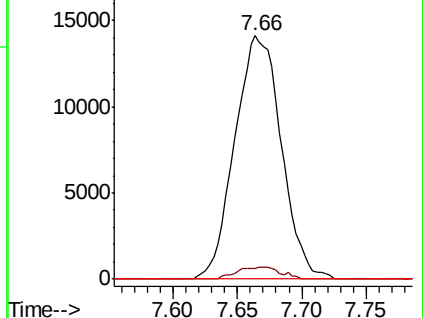
Tgt Ion:	117	Resp:	35439
Ion	Ratio	Lower	Upper
117	100		
119	4.5	77.4	116.0#
121	0.0	24.0	36.0#

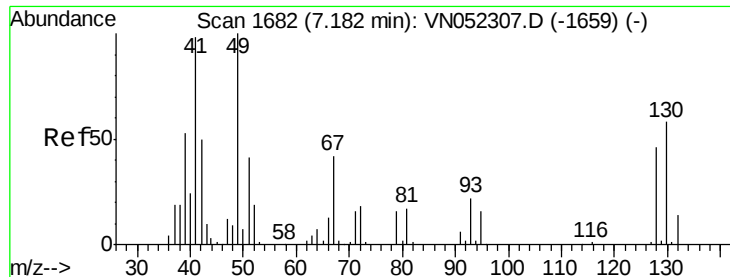


Abundance Ion 116.80 (116.50 to 117.50): VN052433.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN052433.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN052433.D (-1774) (-)

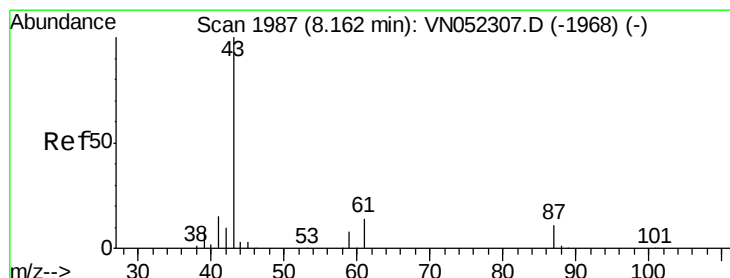
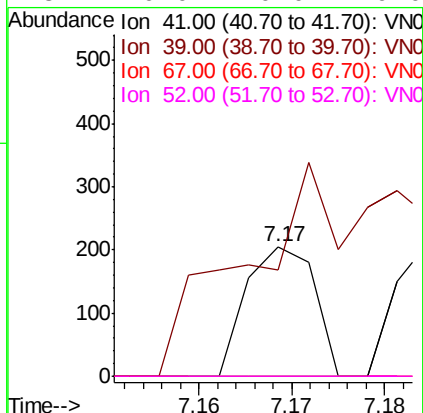
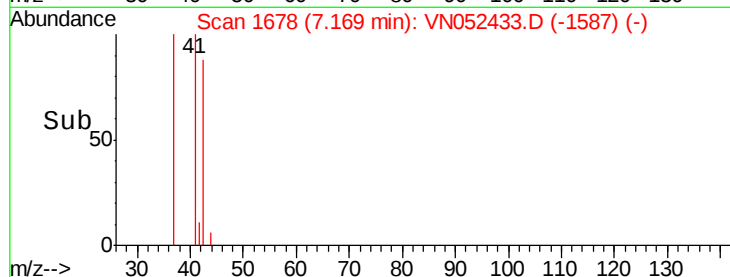
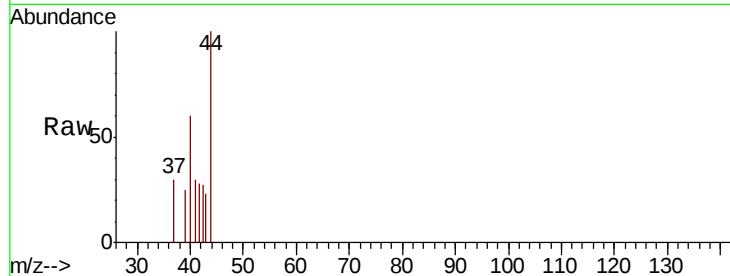




#41
Methacrylonitrile
Concen: 3.740 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN052433.D
Acq: 21 Nov 2018 12:57

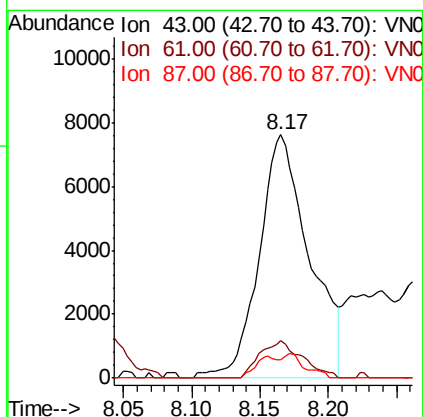
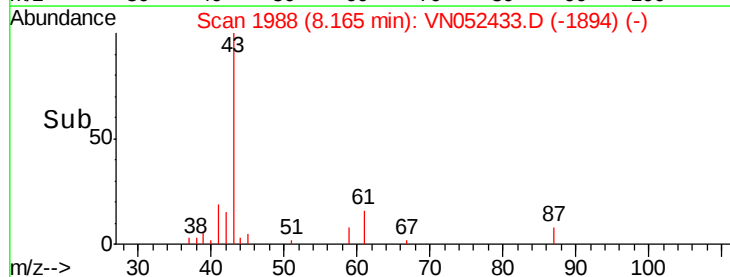
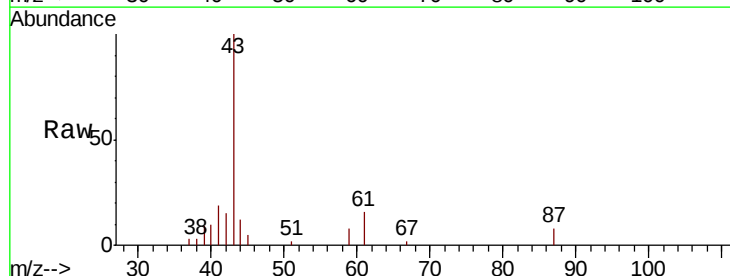
Instrument :
MSVOA_N
ClientSampled :

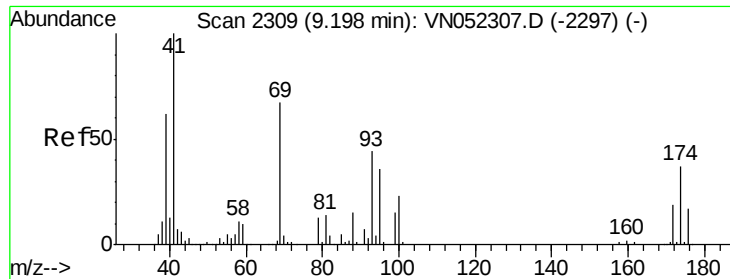
Tot Ion:	41	Resp:	104
Ion	Ratio	Lower	Upper
41	100		
39	225.0	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 2.593 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052433.D
Acq: 21 Nov 2018 12:57

Tgt Ion:	43	Resp:	19467
Ion	Ratio	Lower	Upper
43	100		
61	13.0	12.0	18.0
87	4.2	8.3	12.5#

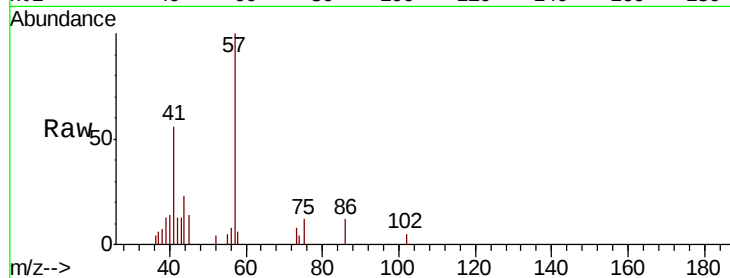




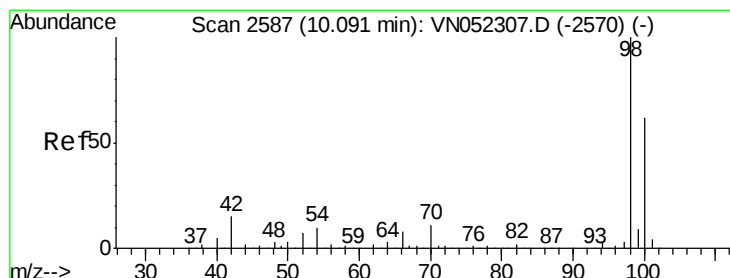
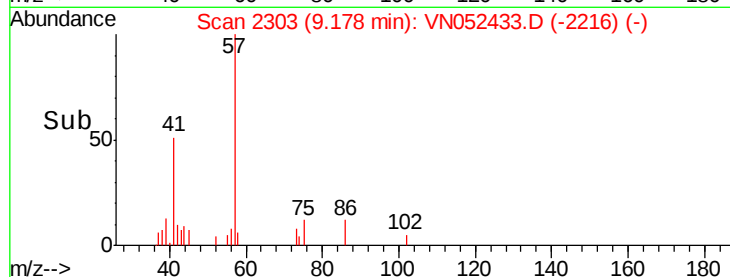
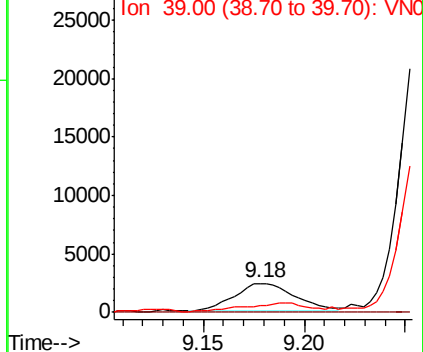
#48
Methyl methacrylate
Concen: 1.225 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN052433.D
Acq: 21 Nov 2018 12:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 4666
Ion Ratio Lower Upper
41 100
69 0.0 57.1 85.7#
39 39.6 52.5 78.7#

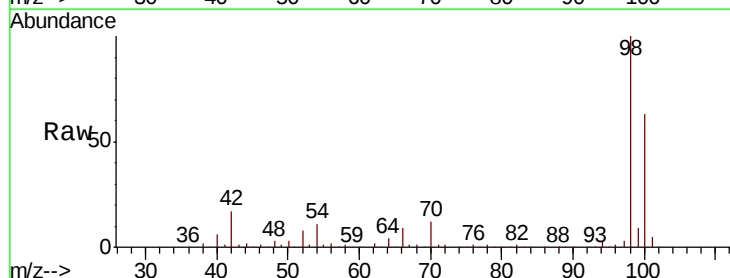


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

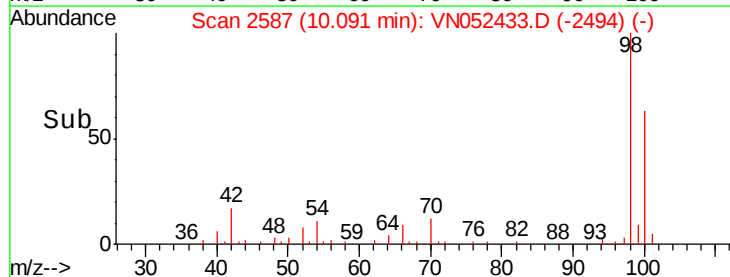
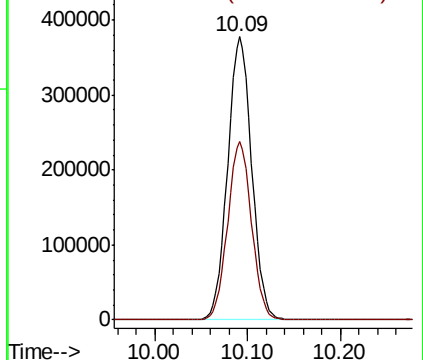


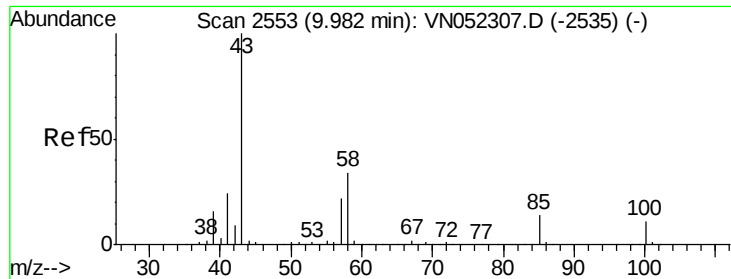
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052433.D
Acq: 21 Nov 2018 12:57

Tgt Ion: 98 Resp: 679448
Ion Ratio Lower Upper
98 100
100 62.4 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.522 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN052433.D

Acq: 21 Nov 2018 12:57

Instrument :

MSVOA_N

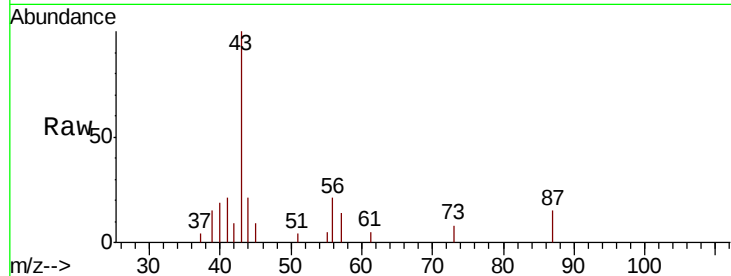
ClientSampled :

Tot Ion: 43 Resp: 5753

Ion Ratio Lower Upper

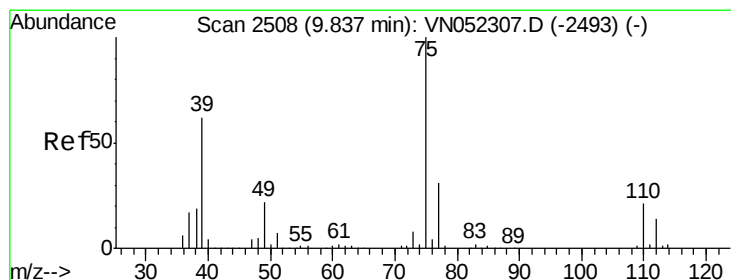
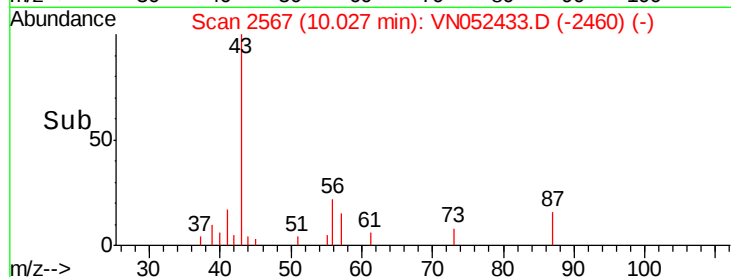
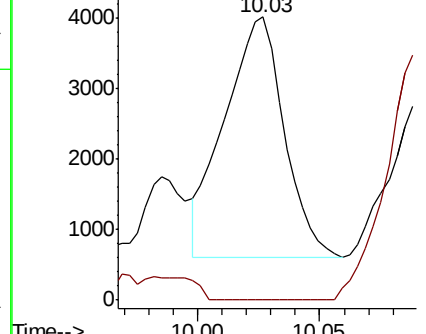
43 100

58 0.0 27.0 40.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.592 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN052433.D

Acq: 21 Nov 2018 12:57

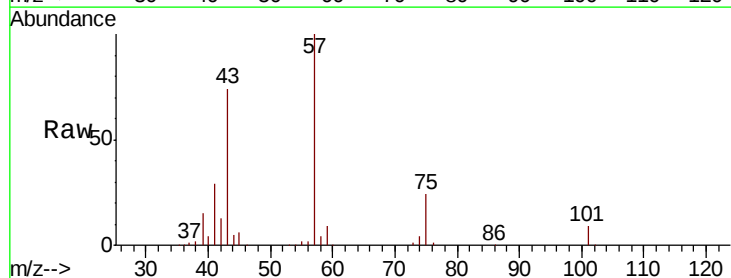
Tgt Ion: 75 Resp: 33196

Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

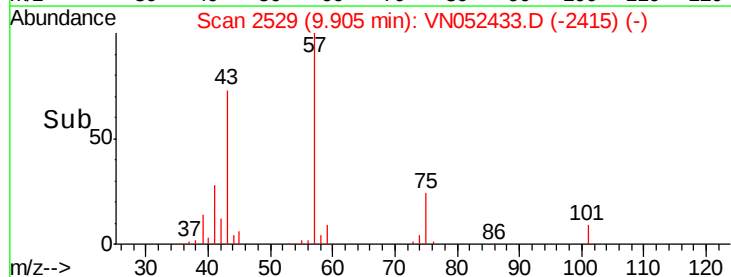
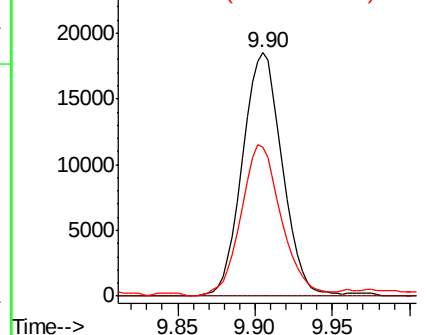
39 61.3 49.9 74.9

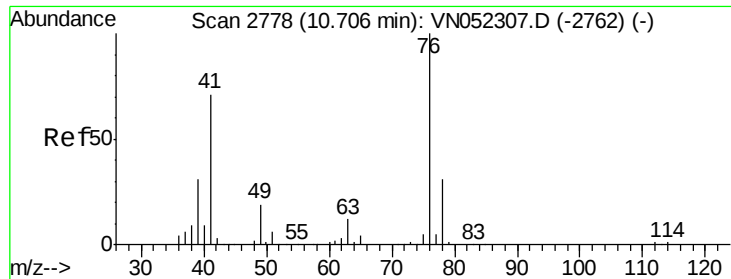


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.263 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN052433.D

Acq: 21 Nov 2018 12:57

Instrument :

MSVOA_N

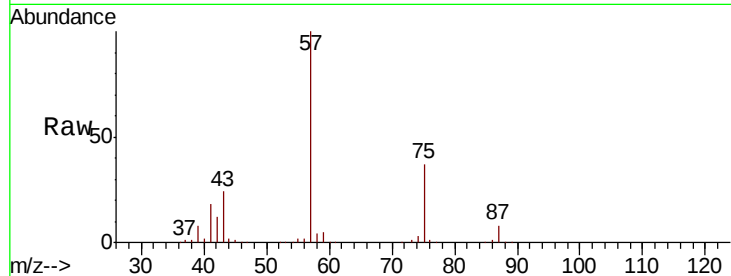
ClientSampled :

Tot Ion: 76 Resp: 7431

Ion Ratio Lower Upper

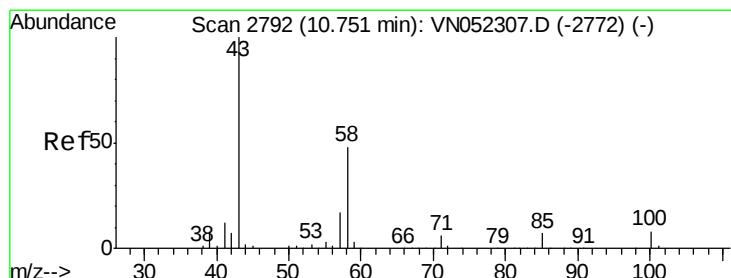
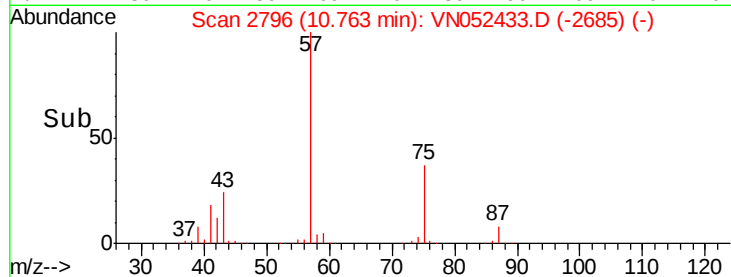
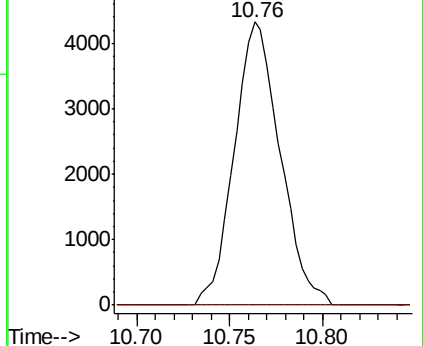
76 100

78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 48.951 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.02 min

Lab File: VN052433.D

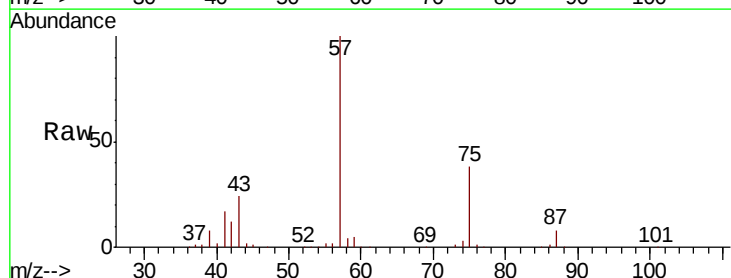
Acq: 21 Nov 2018 12:57

Tgt Ion: 43 Resp: 127235

Ion Ratio Lower Upper

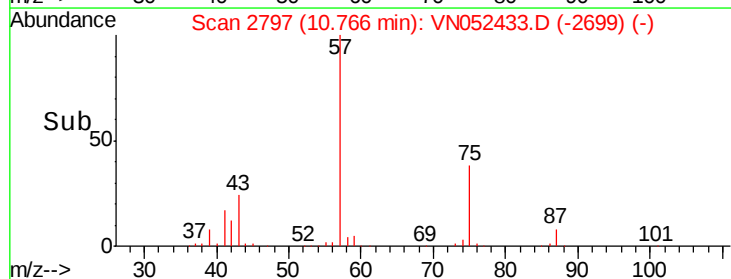
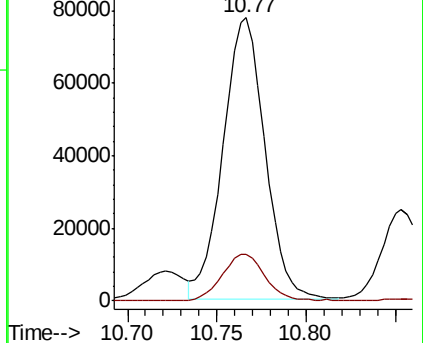
43 100

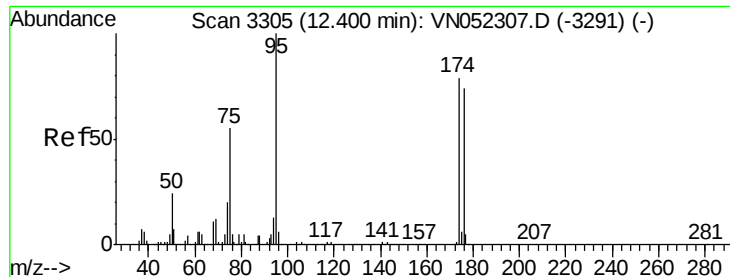
58 16.8 23.5 70.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052433.D

Acq: 21 Nov 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

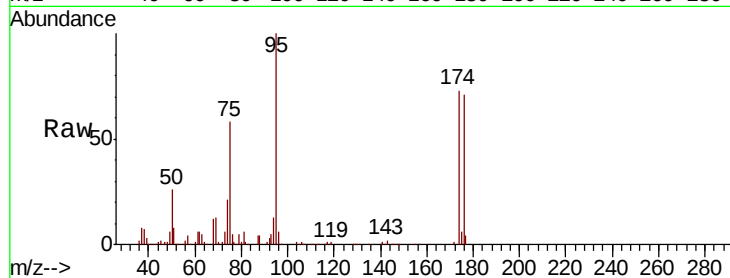
Tot Ion: 95 Resp: 204402

Ion Ratio Lower Upper

95 100

174 75.0 0.0 156.0

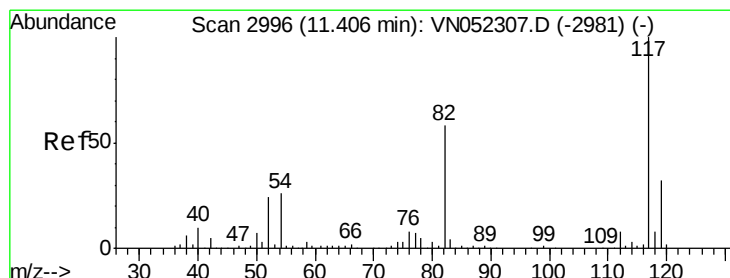
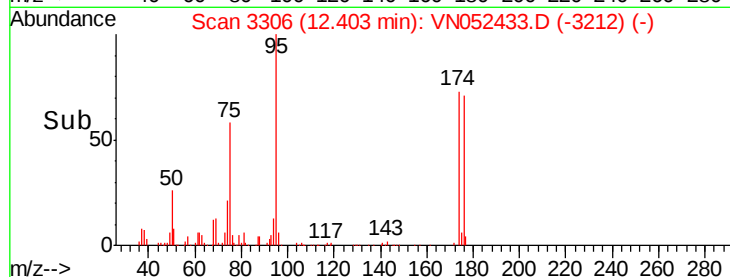
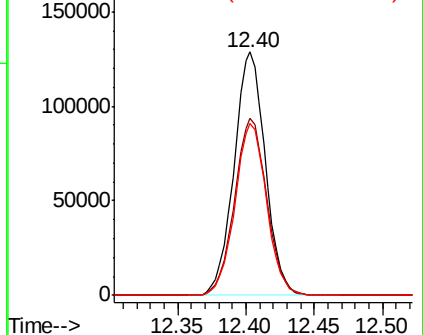
176 71.4 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VN052433.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN052433.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN052433.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052433.D

Acq: 21 Nov 2018 12:57

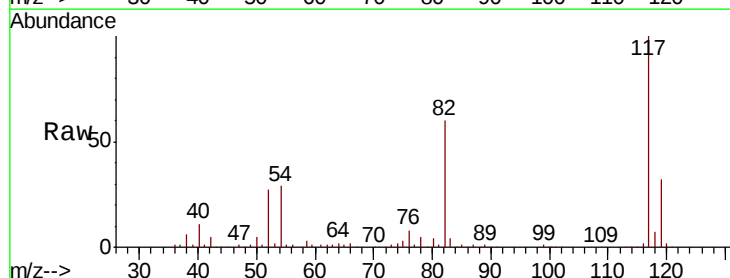
Tgt Ion: 117 Resp: 461975

Ion Ratio Lower Upper

117 100

82 60.3 46.5 69.7

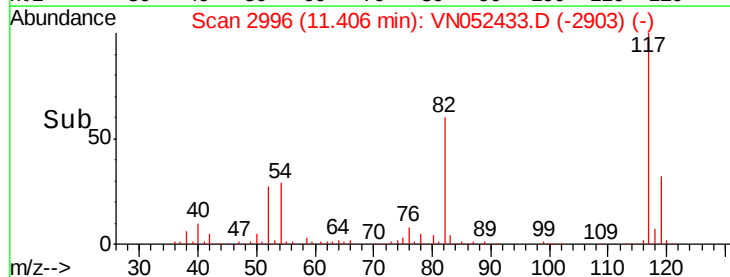
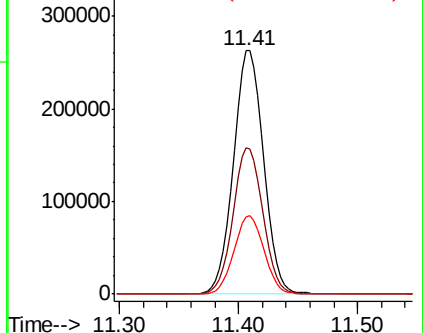
119 31.8 25.7 38.5

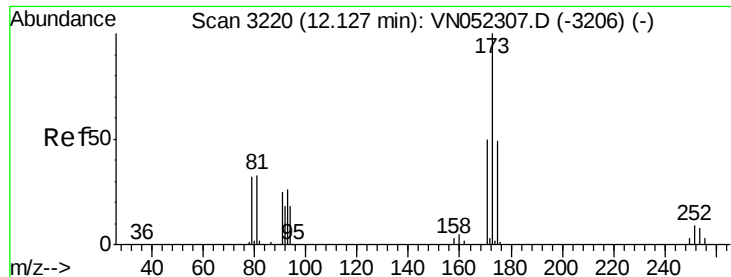


Abundance Ion 116.90 (116.60 to 117.60): VN052433.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN052433.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN052433.D (-2903) (-)





#71

Bromoform

Concen: 0.330 ug/l

RT: 12.41 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN052433.D

Acq: 21 Nov 2018 12:57

Instrument :

MSVOA_N

ClientSampled :

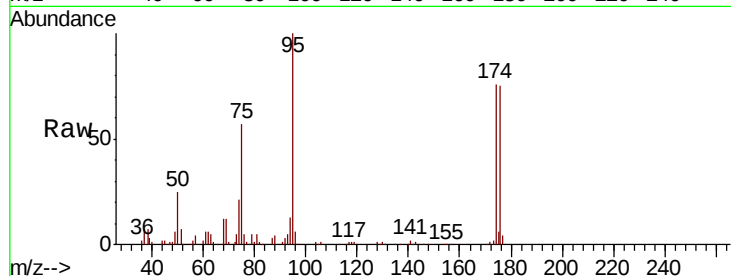
Tot Ion:173 Resp: 648

Ion Ratio Lower Upper

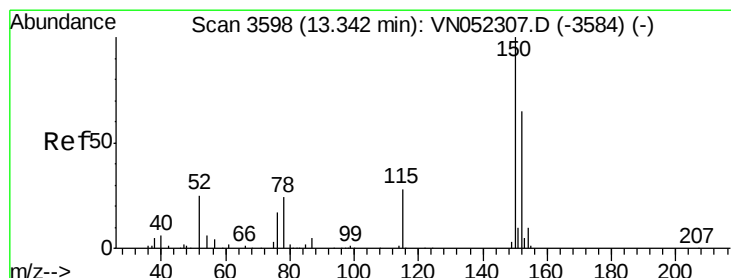
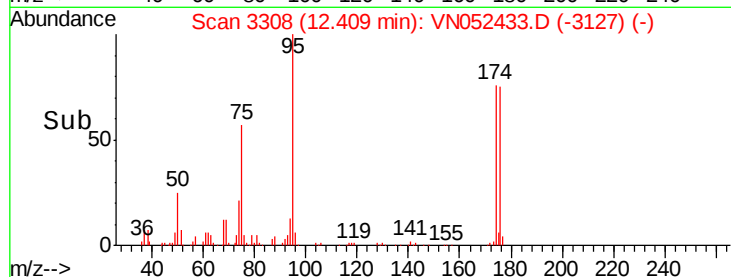
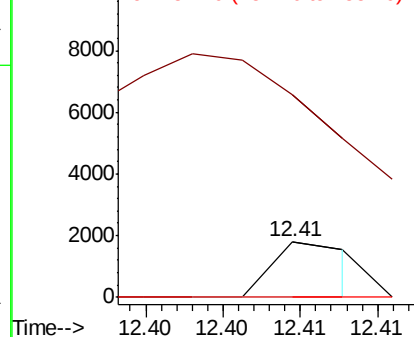
173 100

175 1694.3 25.0 75.0#

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: VN052433.D

Acq: 21 Nov 2018 12:57

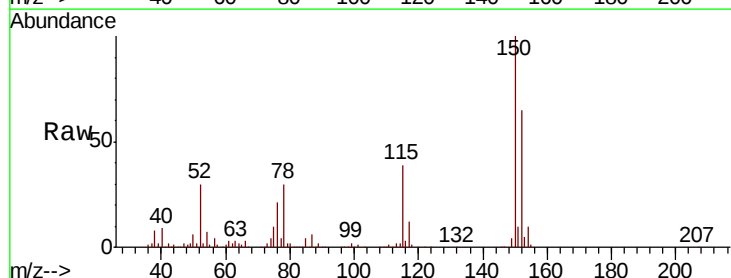
Tgt Ion:152 Resp: 159560

Ion Ratio Lower Upper

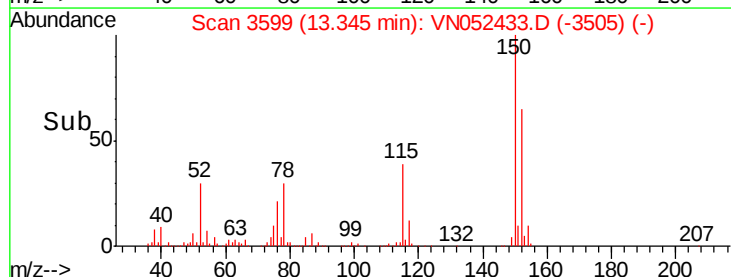
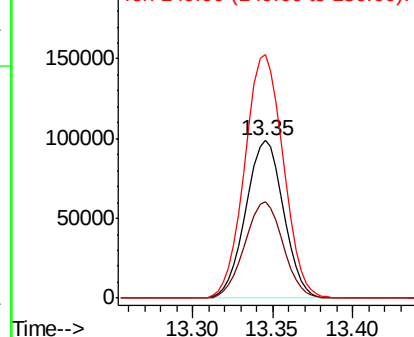
152 100

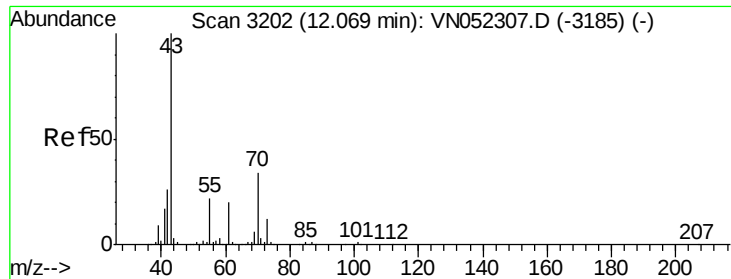
115 61.5 30.3 91.0

150 157.3 0.0 348.2



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





#74

N-amvl acetate

Concen: 3.044 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052433.D

Acq: 21 Nov 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 13907

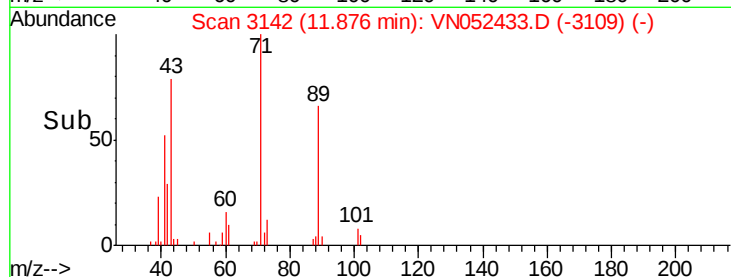
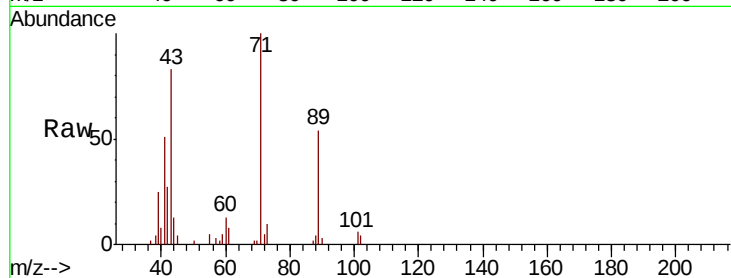
Ion Ratio Lower Upper

43 100

70 1.3 27.1 40.7#

55 8.0 17.4 26.0#

61 10.2 16.1 24.1#

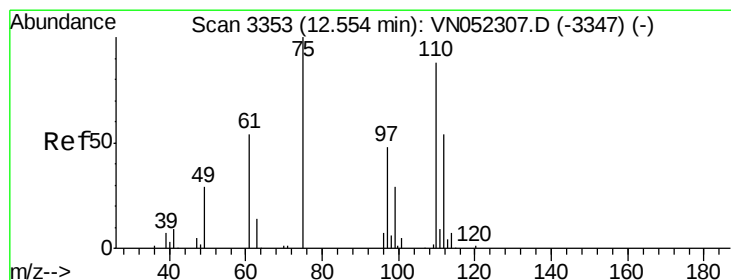
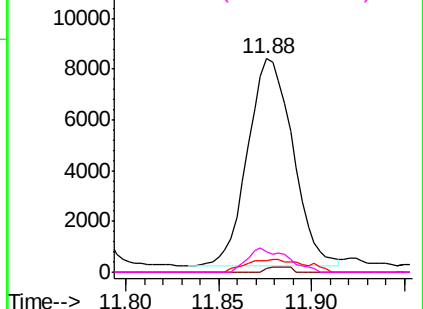


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 44.592 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052433.D

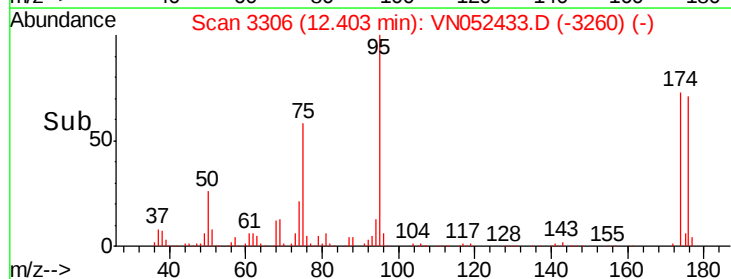
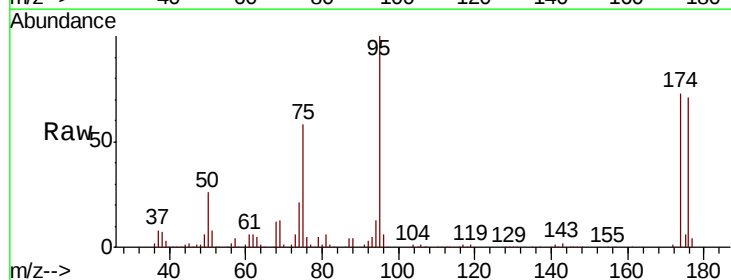
Acq: 21 Nov 2018 12:57

Tgt Ion: 75 Resp: 120729

Ion Ratio Lower Upper

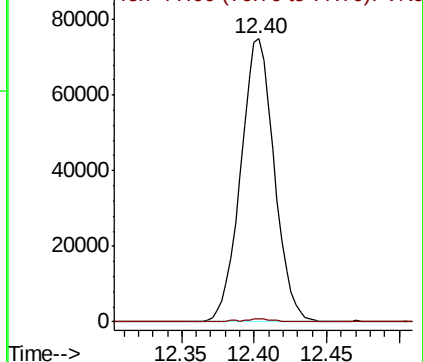
75 100

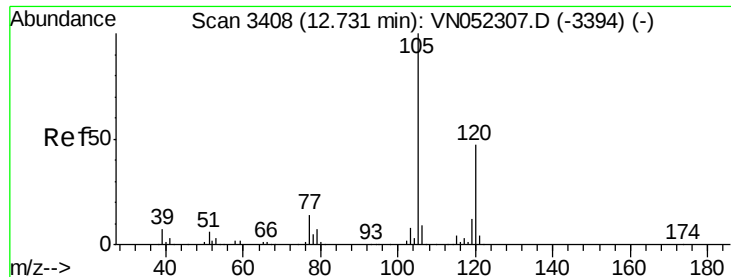
77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

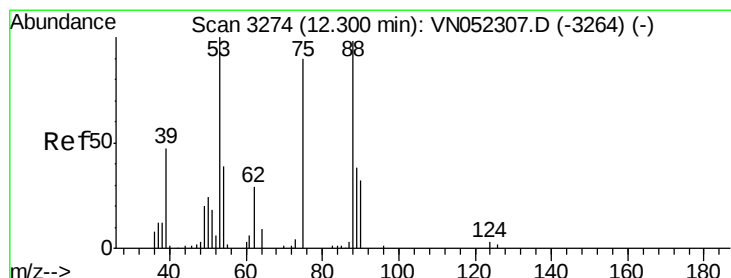
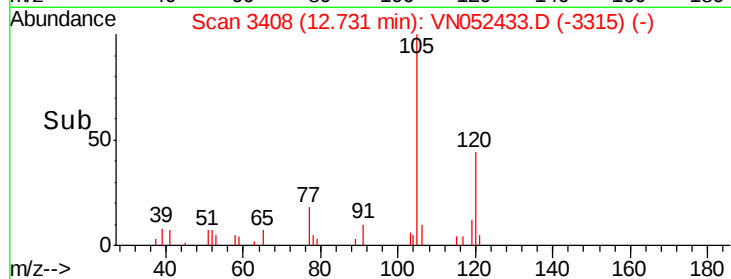
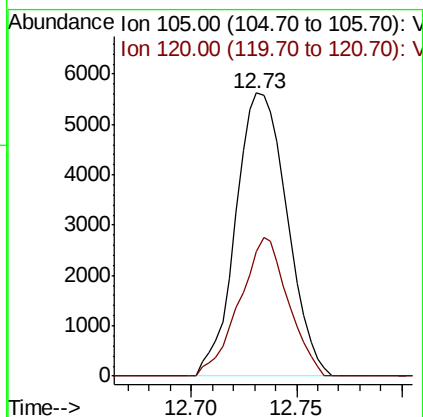
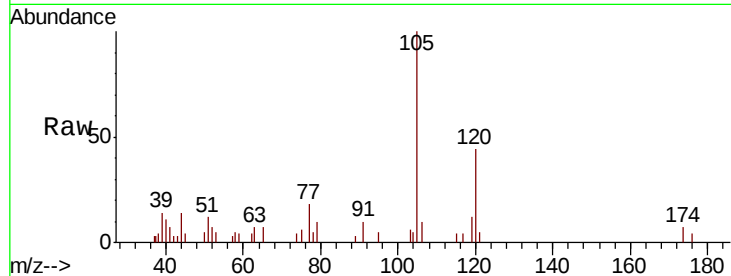




#80
 1,3,5-Trimethylbenzene
 Concen: 0.932 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN052433.D
 Acq: 21 Nov 2018 12:57

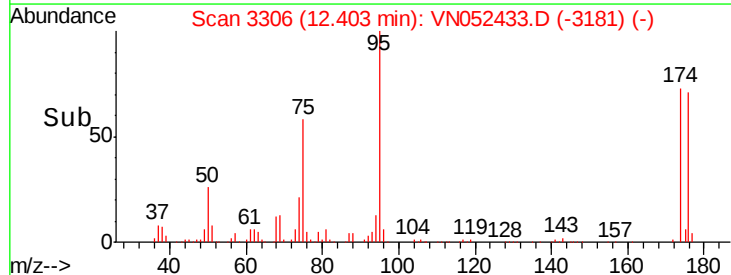
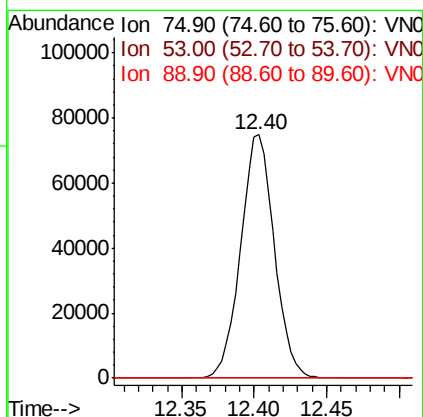
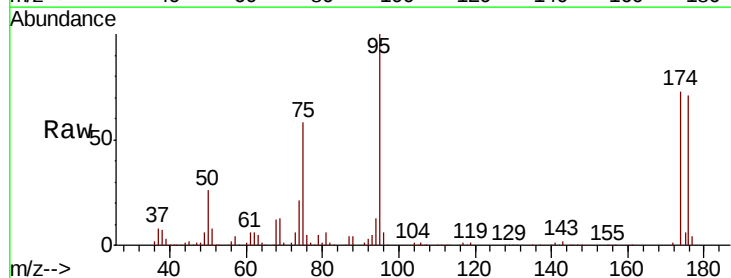
Instrument :
 MSVOA_N
 ClientSampleId :

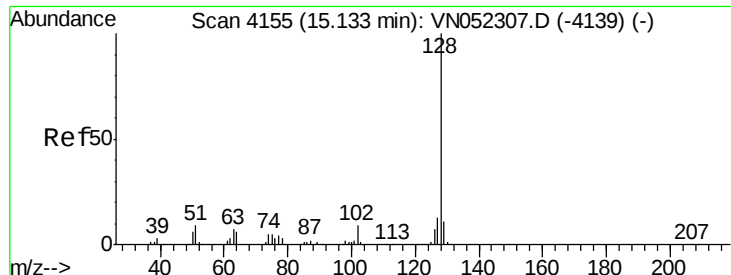
Tot Ion:105 Resp: 9513
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.7 71.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 144.628 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN052433.D
 Acq: 21 Nov 2018 12:57

Tgt Ion: 75 Resp: 120729
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.2 135.2#
 89 0.0 35.4 53.0#





#95

Naphthalene

Concen: 2.635 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

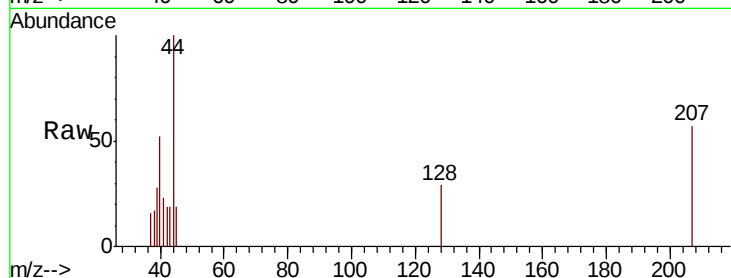
Lab File: VN052433.D

Acq: 21 Nov 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :



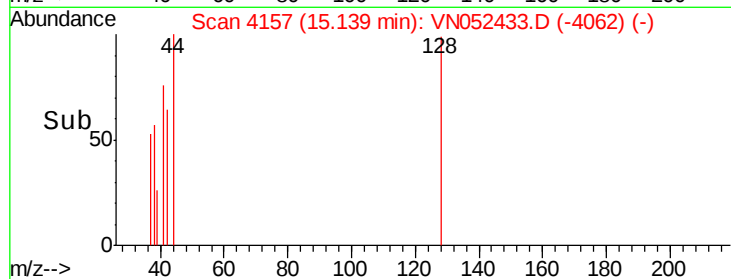
Tot Ion:128 Resp: 184

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



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

