

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112118\
 Data File : VN052444.D
 Acq On : 21 Nov 2018 17:51
 Operator : MD\SY
 Sample : J5765-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 23:59:41 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	335429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	561626	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	498499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182853	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	255531	53.94	ug/l	0.00
Spiked Amount			Recovery	=	107.88%	
35) Dibromofluoromethane	7.59	113	187925	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	
50) Toluene-d8	10.09	98	726273	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.40	95	222334	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	

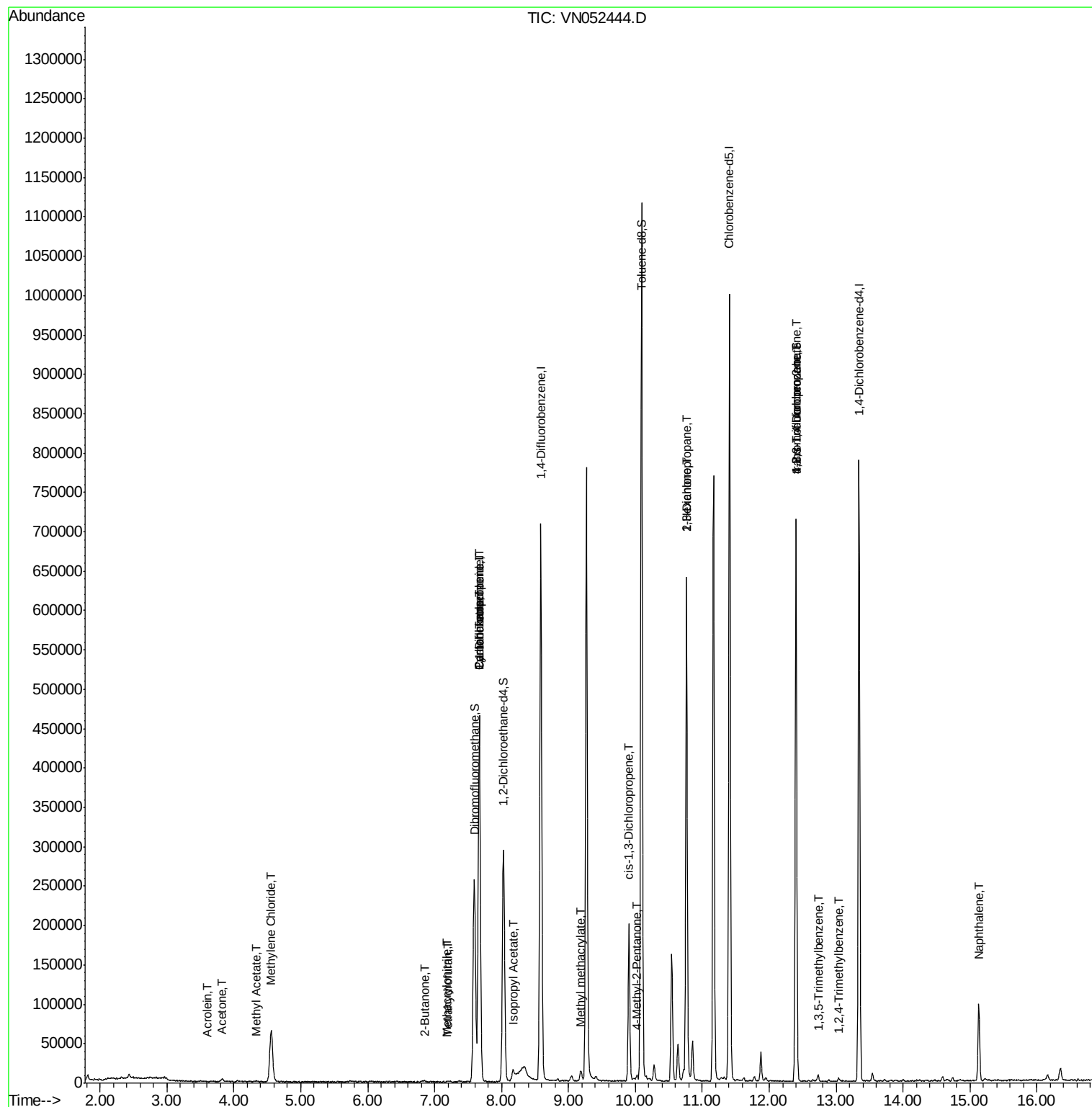
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	91	21.991	ug/l #	14
16) Acetone	3.82	43	4865	3.730	ug/l	92
18) Methyl Acetate	4.34	43	1255	0.772	ug/l #	57
20) Methylene Chloride	4.56	84	41769	9.965	ug/l	92
25) 2-Butanone	6.84	43	651	0.355	ug/l #	52
29) Tetrahydrofuran	7.20	42	317	0.263	ug/l #	40
31) Cyclohexane	7.67	56	11008	0.478	ug/l #	40
36) 1,1-Dichloropropene	7.67	75	31988	5.683	ug/l #	51
38) Carbon Tetrachloride	7.67	117	37737	7.297	ug/l #	16
41) Methacrylonitrile	7.18	41	141	3.753	ug/l #	100
43) Isopropyl Acetate	8.17	43	16589	2.104	ug/l	98
48) Methyl methacrylate	9.18	41	5714	1.428	ug/l #	16
51) 4-Methyl-2-Pentanone	10.03	43	5793	1.460	ug/l #	41
54) cis-1,3-Dichloropropene	9.90	75	28279	4.537	ug/l #	79
57) 1,3-Dichloropropane	10.76	76	6013	0.973	ug/l #	43
59) 2-Hexanone	10.76	43	108457	39.736	ug/l #	56
76) 1,2,3-Trichloropropane	12.40	75	133463	43.016	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2913	0.249	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	133463	139.516	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.04	105	2432	0.207	ug/l	95
95) Naphthalene	15.13	128	75230	13.622	ug/l	98

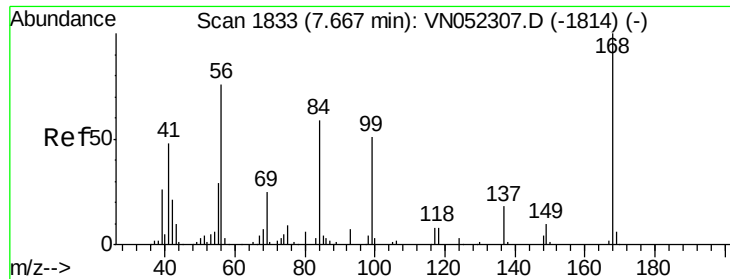
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
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: VN052444.D

Acq: 21 Nov 2018 17:51

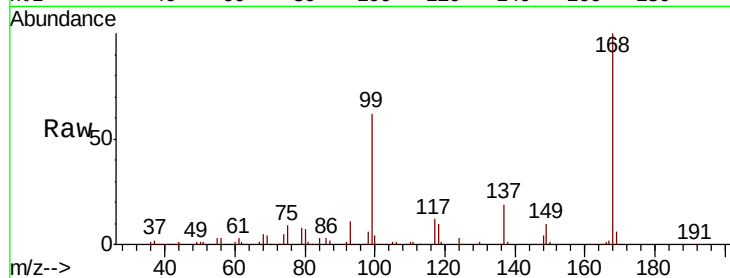
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 335429

Ion Ratio Lower Upper

168 100

99 61.6 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

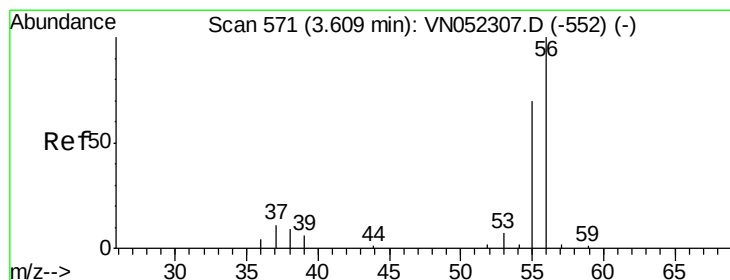
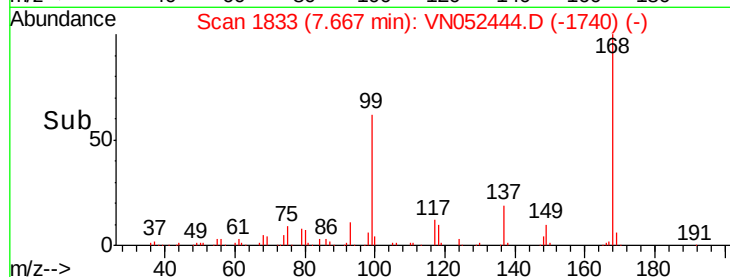
100000

50000

0

Time-->

7.60 7.70 7.80



#13

Acrolein

Concen: 21.991 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052444.D

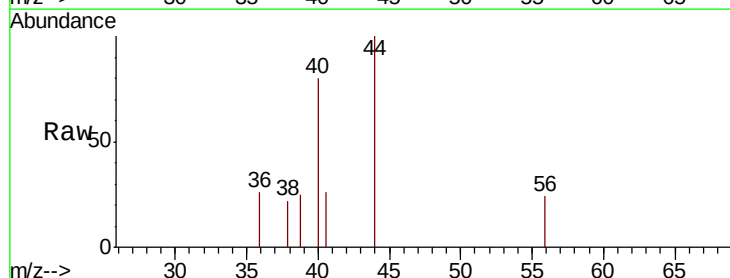
Acq: 21 Nov 2018 17:51

Tgt Ion: 56 Resp: 91

Ion Ratio Lower Upper

56 100

55 0.0 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

150

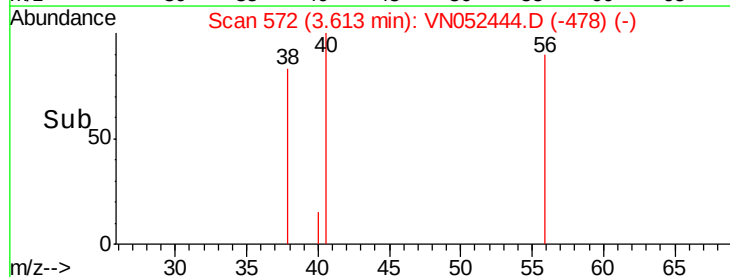
100

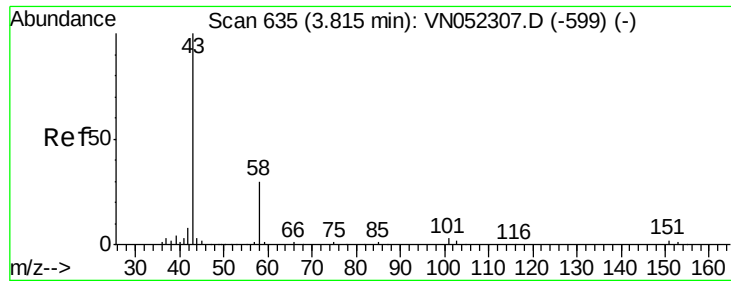
50

0

Time-->

3.60 3.61 3.62 3.63





#16

Acetone

Concen: 3.730 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052444.D

Acq: 21 Nov 2018 17:51

Instrument :

MSVOA_N

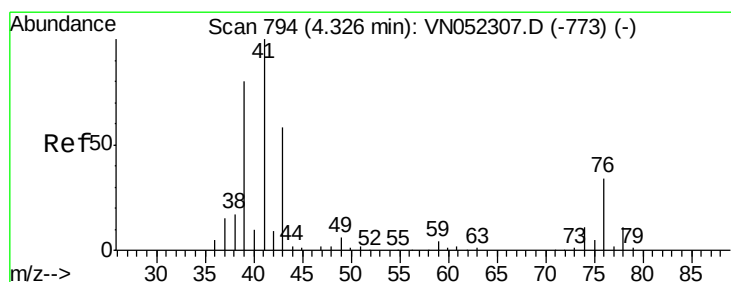
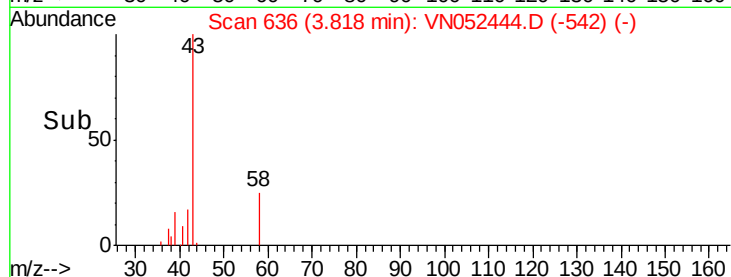
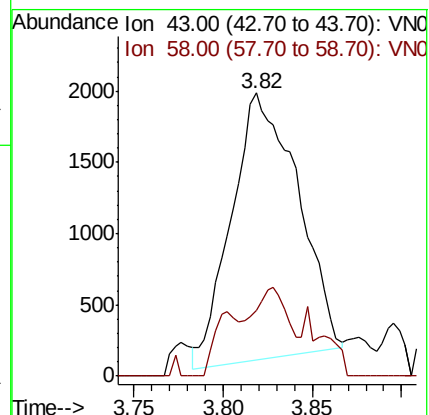
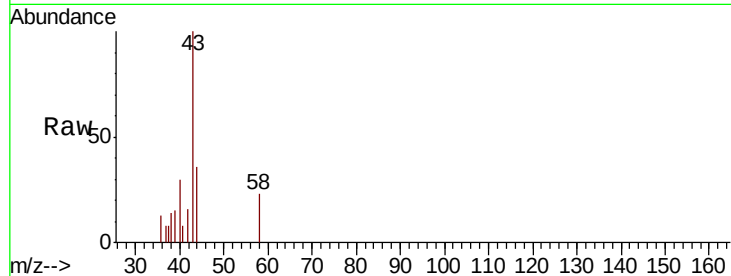
ClientSampled :

Tot Ion: 43 Resp: 4865

Ion Ratio Lower Upper

43 100

58 25.7 24.2 36.4



#18

Methyl Acetate

Concen: 0.772 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN052444.D

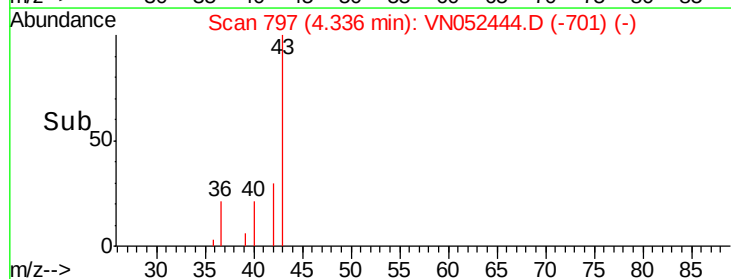
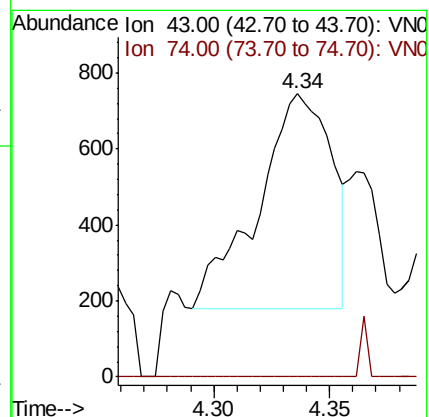
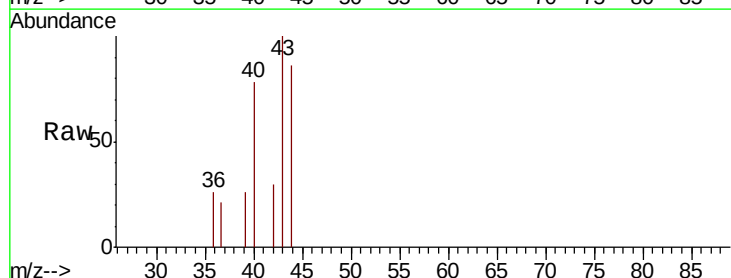
Acq: 21 Nov 2018 17:51

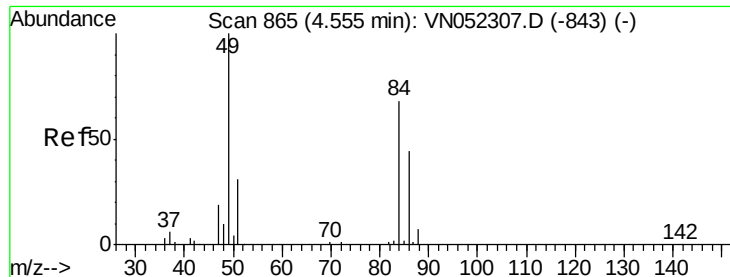
Tgt Ion: 43 Resp: 1255

Ion Ratio Lower Upper

43 100

74 0.0 15.9 23.9#

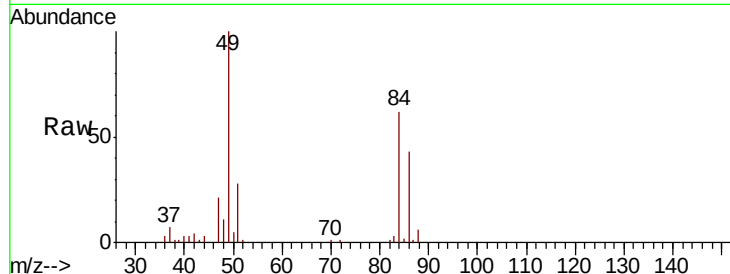




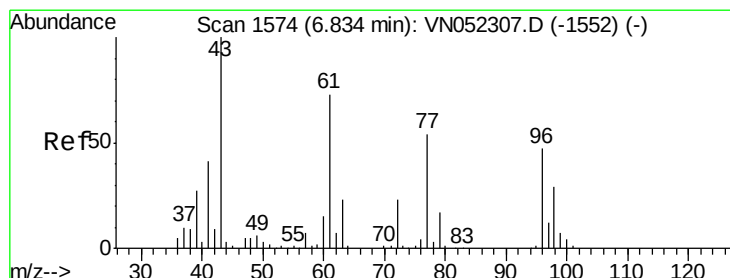
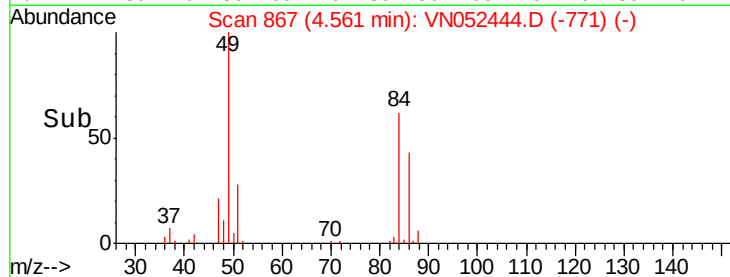
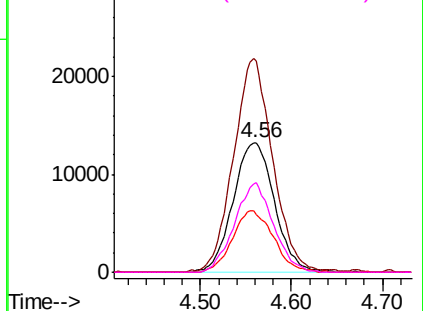
#20
Methylene Chloride
Concen: 9.965 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN052444.D
Acq: 21 Nov 2018 17:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 41769
Ion Ratio Lower Upper
84 100
49 161.3 118.2 177.2
51 44.8 36.1 54.1
86 69.1 51.6 77.4

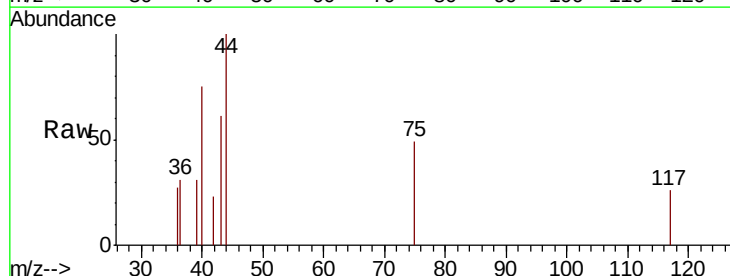


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

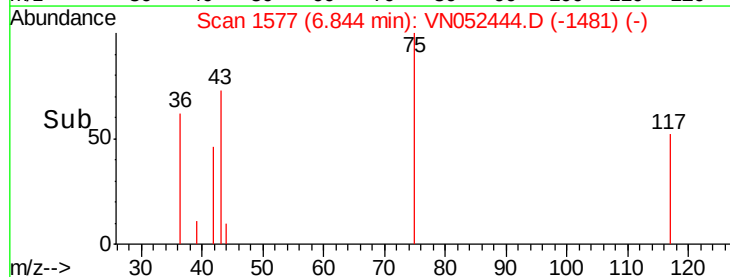
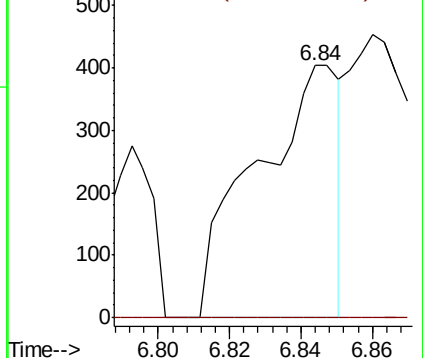


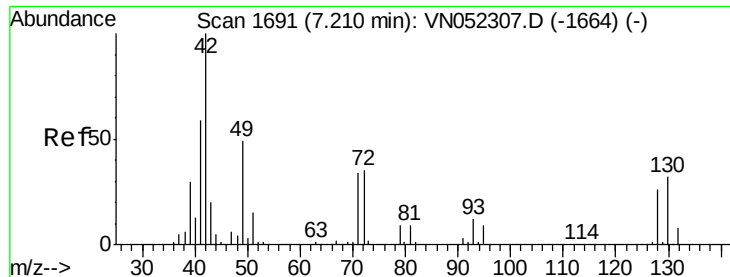
#25
2-Butanone
Concen: 0.355 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN052444.D
Acq: 21 Nov 2018 17:51

Tgt Ion: 43 Resp: 651
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.263 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VN052444.D

Acq: 21 Nov 2018 17:51

Instrument :

MSVOA_N

ClientSampled :

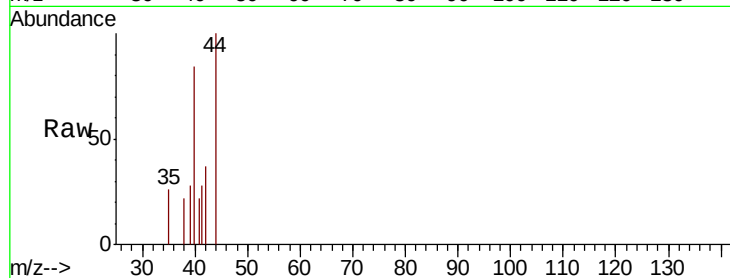
Tot Ion: 42 Resp: 317

Ion Ratio Lower Upper

42 100

72 0.0 28.6 42.8#

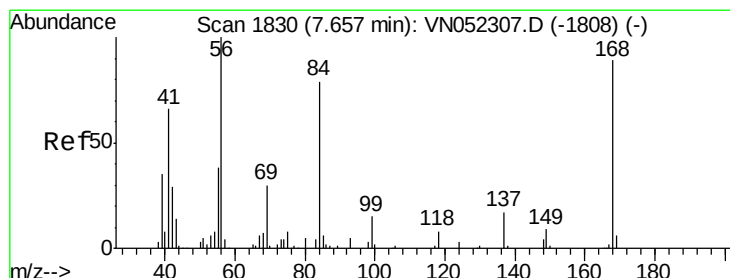
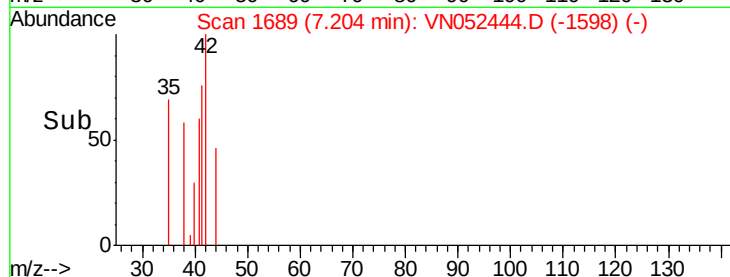
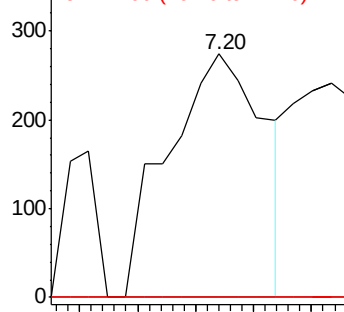
71 0.0 26.7 40.1#



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: 0.478 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN052444.D

Acq: 21 Nov 2018 17:51

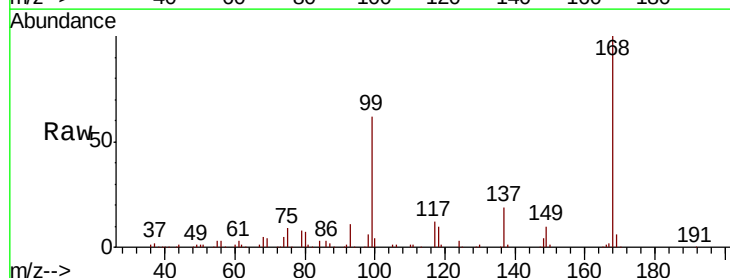
Tgt Ion: 56 Resp: 11008

Ion Ratio Lower Upper

56 100

69 121.5 23.8 35.8#

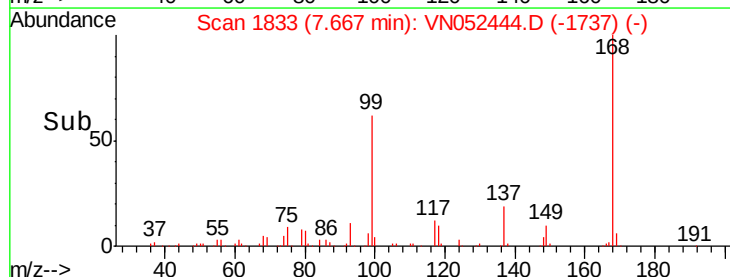
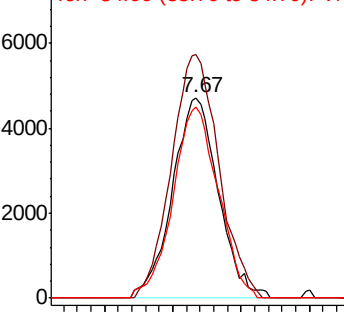
84 95.1 63.0 94.6#

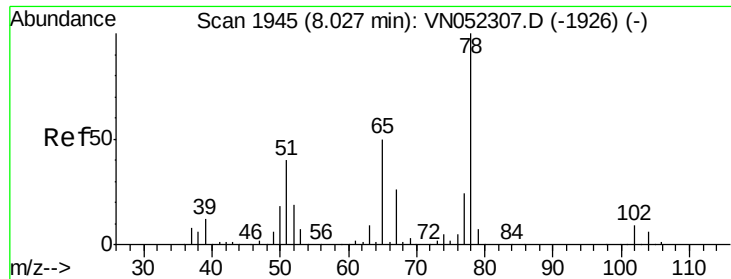


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

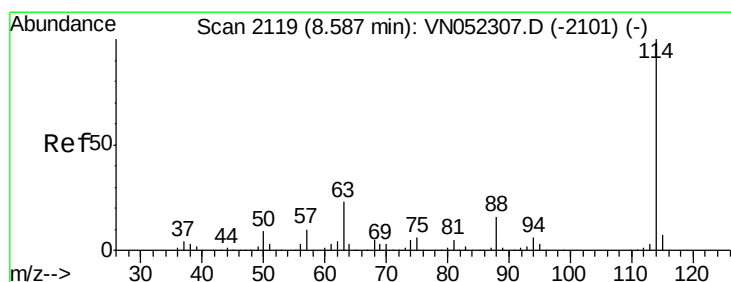
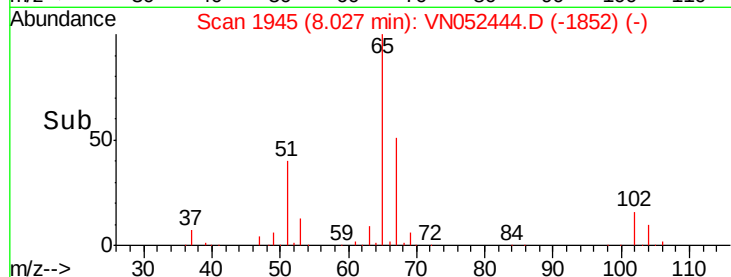
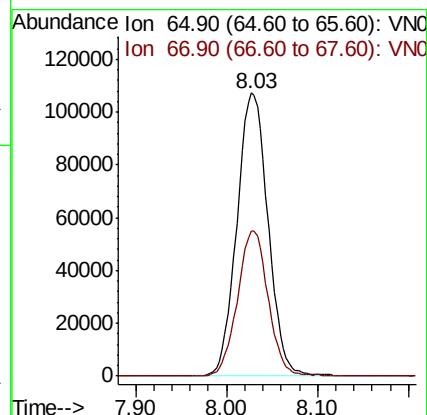
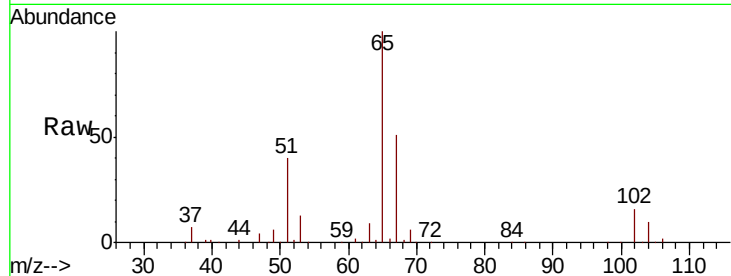




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052444.D
 Acq: 21 Nov 2018 17:51

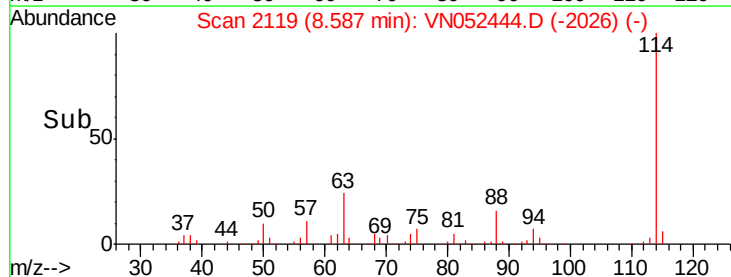
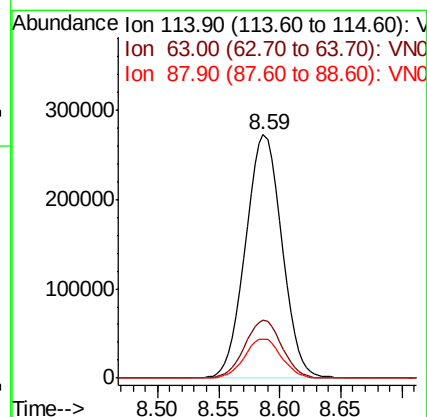
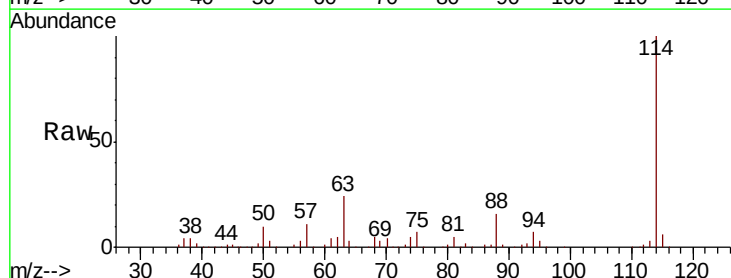
Instrument :
 MSVOA_N
 ClientSampleId :

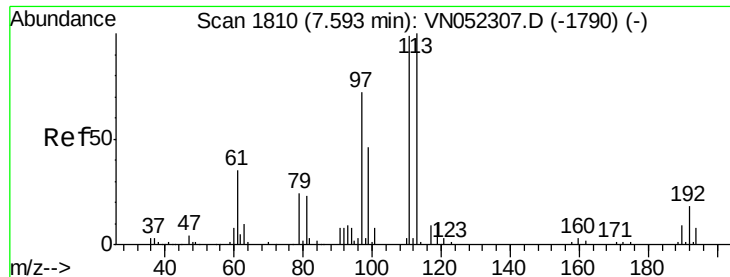
Tot Ion: 65 Resp: 25531
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052444.D
 Acq: 21 Nov 2018 17:51

Tgt Ion: 114 Resp: 561626
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 45.4
 88 16.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN052444.D

Acq: 21 Nov 2018 17:51

Instrument :
MSVOA_N
ClientSampleId :

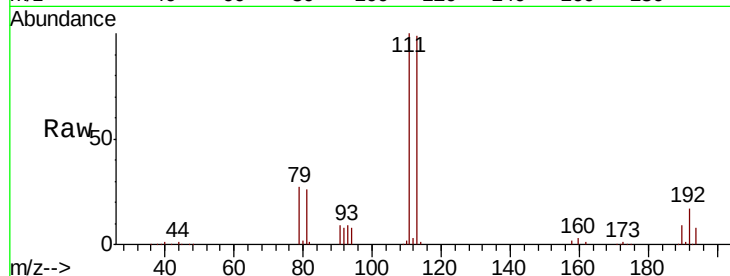
Tot Ion:113 Resp: 187925

Ion Ratio Lower Upper

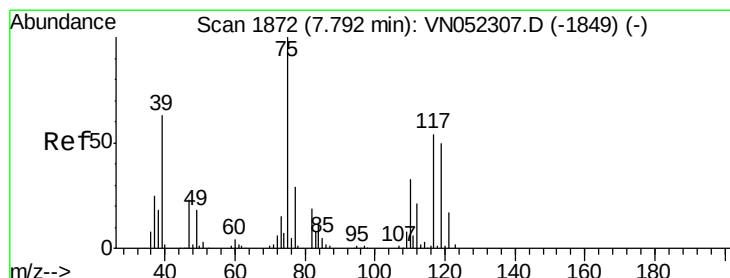
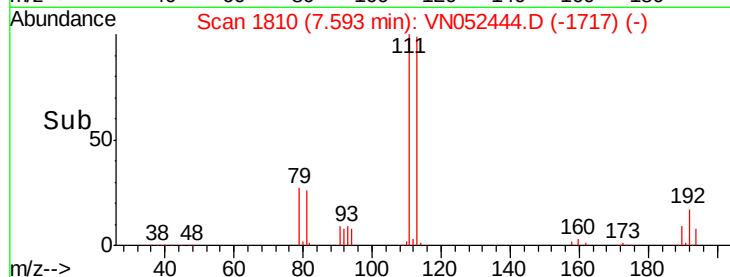
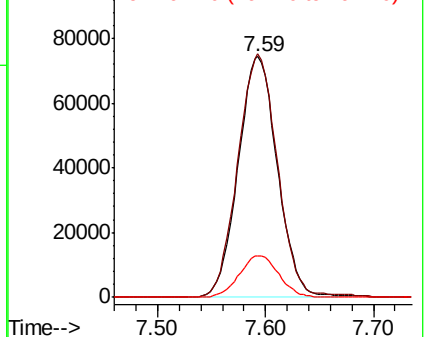
113 100

111 102.5 81.0 121.6

192 17.4 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: 5.683 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052444.D

Acq: 21 Nov 2018 17:51

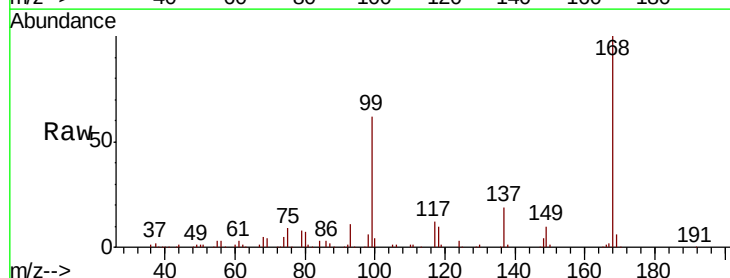
Tgt Ion: 75 Resp: 31988

Ion Ratio Lower Upper

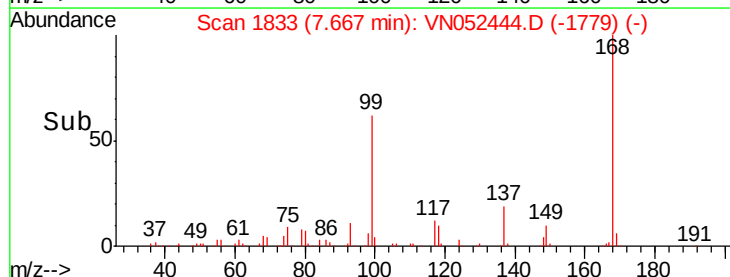
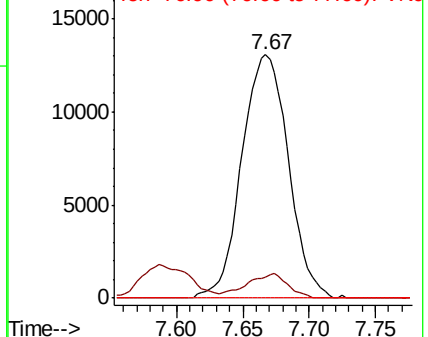
75 100

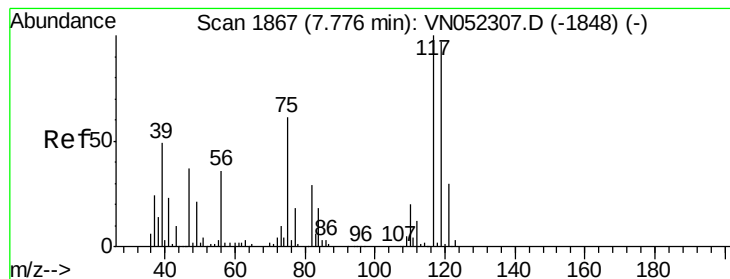
110 8.9 16.5 49.5#

77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 7.297 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052444.D

Acq: 21 Nov 2018 17:51

Instrument :

MSVOA_N

ClientSampled :

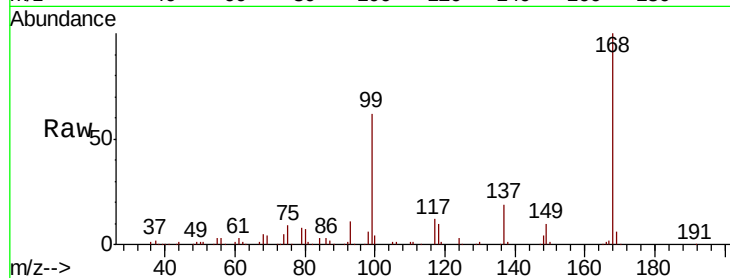
Tot Ion:117 Resp: 37737

Ion Ratio Lower Upper

117 100

119 5.7 77.4 116.0#

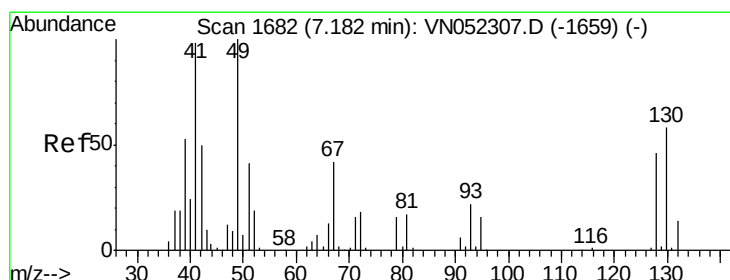
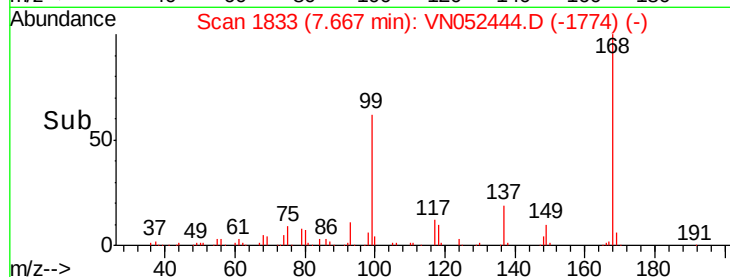
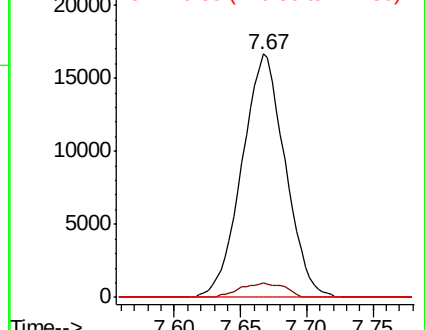
121 0.0 24.0 36.0#



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



#41

Methacrylonitrile

Concen: 3.753 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN052444.D

Acq: 21 Nov 2018 17:51

Tgt Ion: 41 Resp: 141

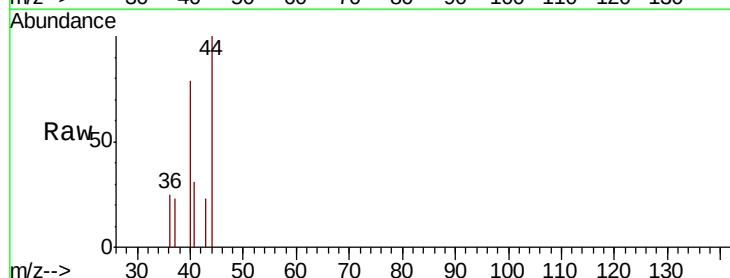
Ion Ratio Lower Upper

41 100

39 180.1 0.0 0.0#

67 0.0 0.0 0.0

52 44.0 0.0 0.0#

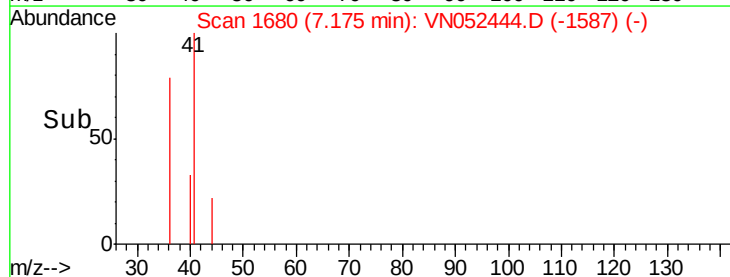
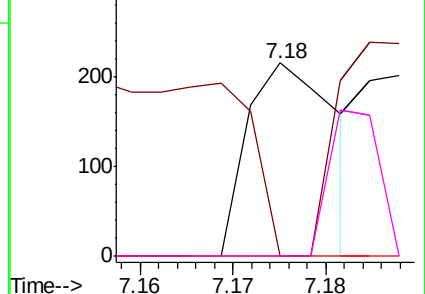


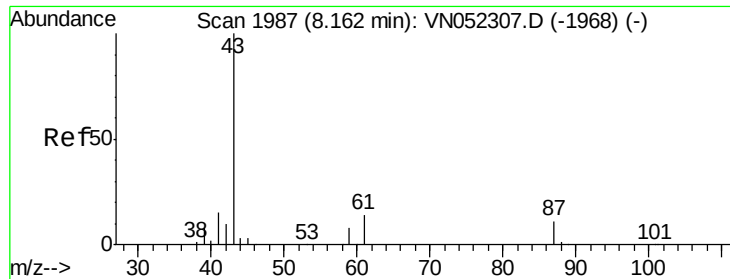
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO





#43

Isopropyl Acetate

Concen: 2.104 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN052444.D

Acq: 21 Nov 2018 17:51

Instrument :

MSVOA_N

ClientSampleId :

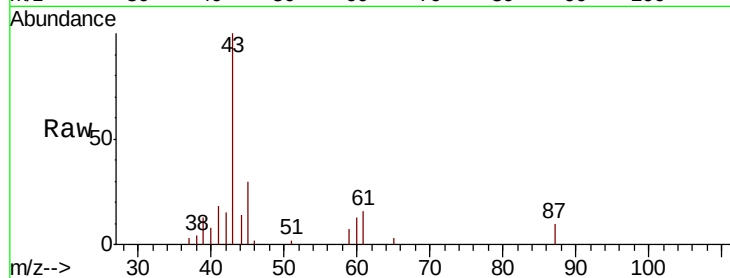
Tot Ion: 43 Resp: 16589

Ion Ratio Lower Upper

43 100

61 14.9 12.0 18.0

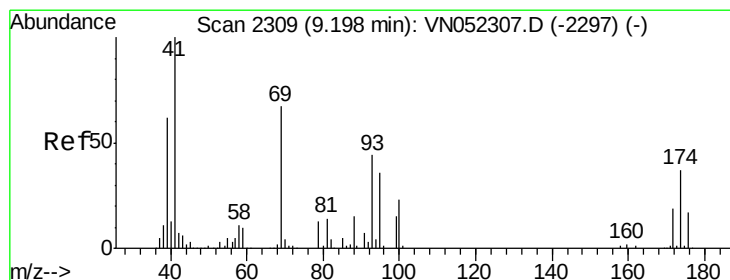
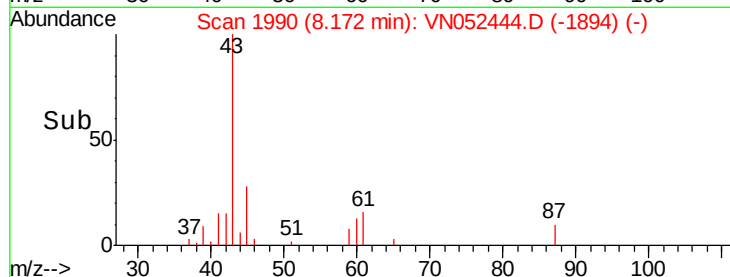
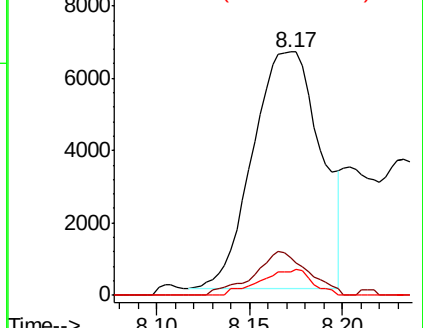
87 8.5 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052307.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052307.D (-1968) (-)



#48

Methyl methacrylate

Concen: 1.428 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN052444.D

Acq: 21 Nov 2018 17:51

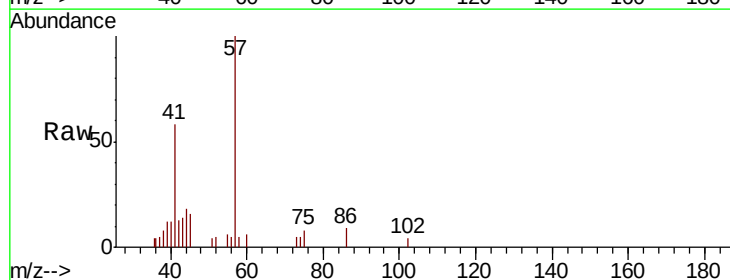
Tgt Ion: 41 Resp: 5714

Ion Ratio Lower Upper

41 100

69 0.0 57.1 85.7#

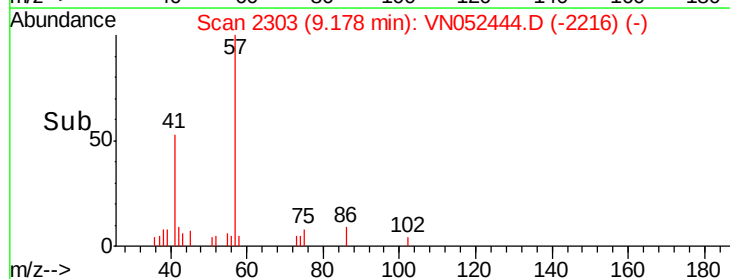
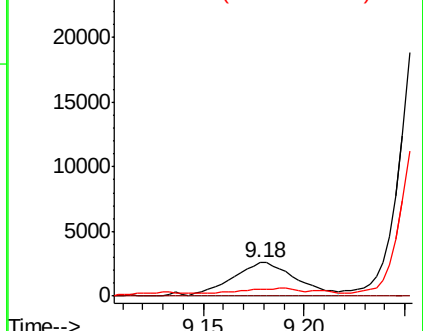
39 0.0 52.5 78.7#

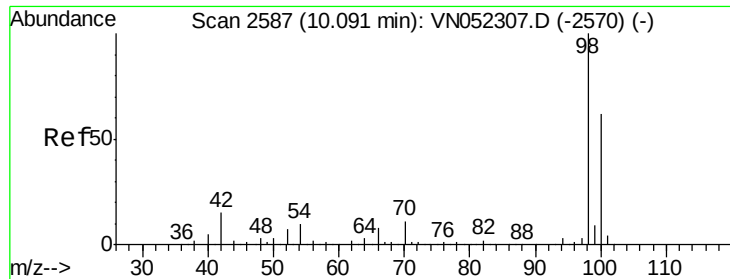


Abundance Ion 41.00 (40.70 to 41.70): VN052307.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN052307.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN052307.D (-2297) (-)





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052444.D

Acq: 21 Nov 2018 17:51

Instrument :

MSVOA_N

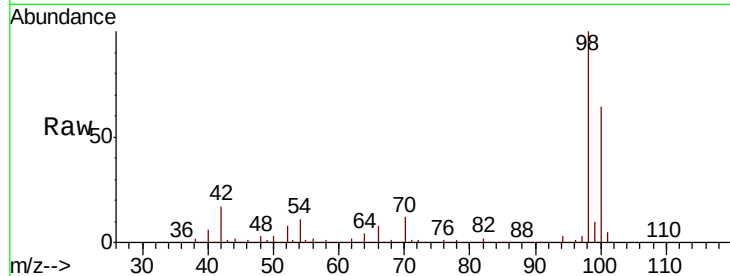
ClientSampled :

Tot Ion: 98 Resp: 726273

Ion Ratio Lower Upper

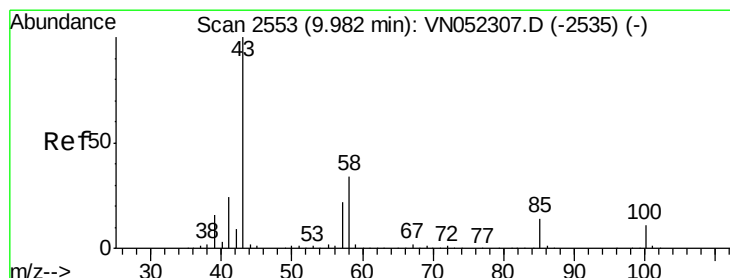
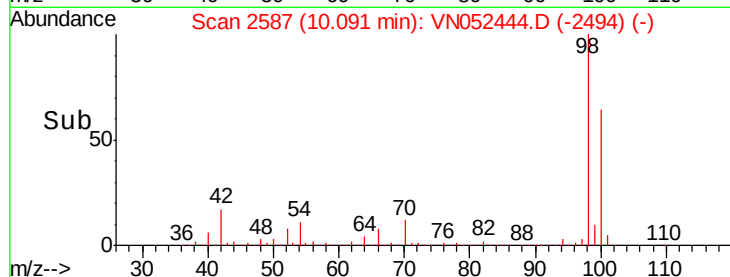
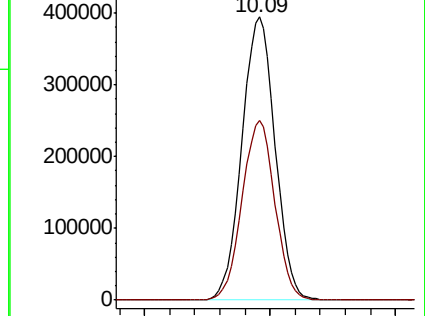
98 100

100 62.7 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 1.460 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN052444.D

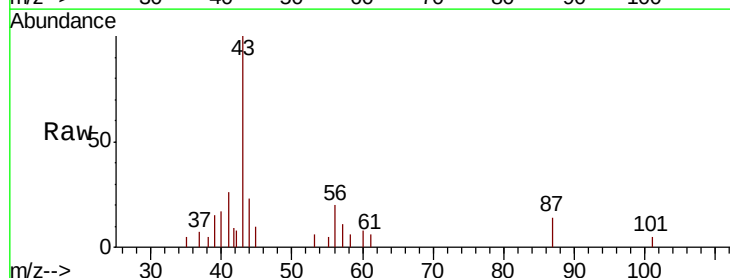
Acq: 21 Nov 2018 17:51

Tgt Ion: 43 Resp: 5793

Ion Ratio Lower Upper

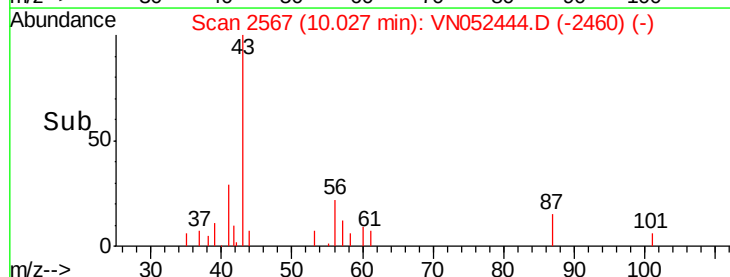
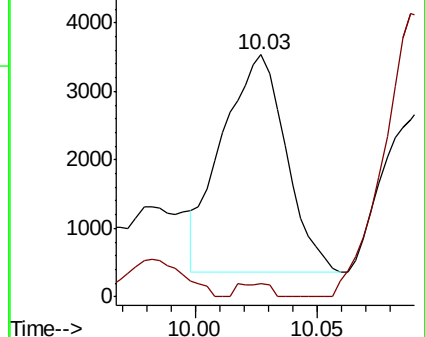
43 100

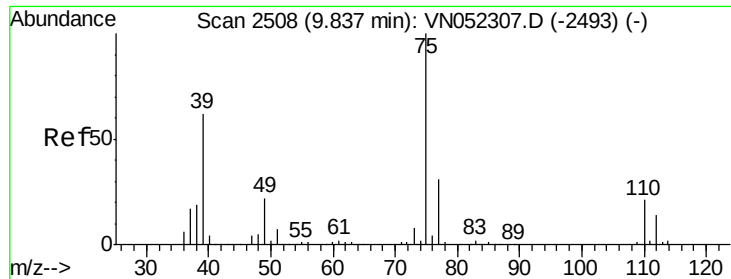
58 0.0 27.0 40.6#



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: 4.537 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN052444.D

Acq: 21 Nov 2018 17:51

Instrument :

MSVOA_N

ClientSampleId :

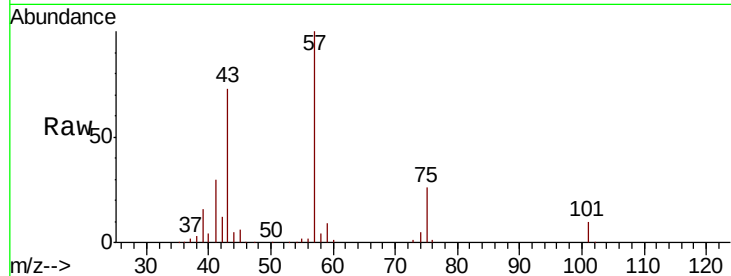
Tot Ion: 75 Resp: 28279

Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

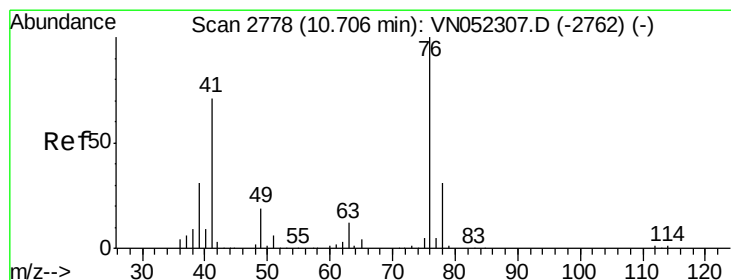
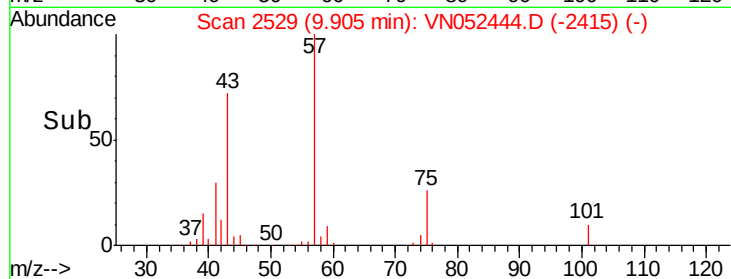
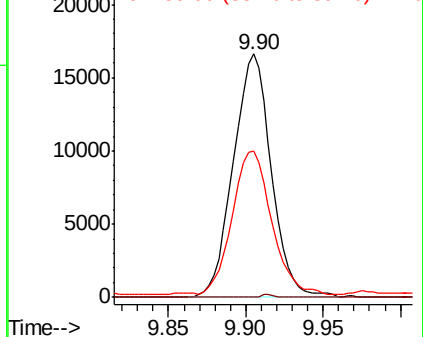
39 59.0 49.9 74.9



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: 0.973 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN052444.D

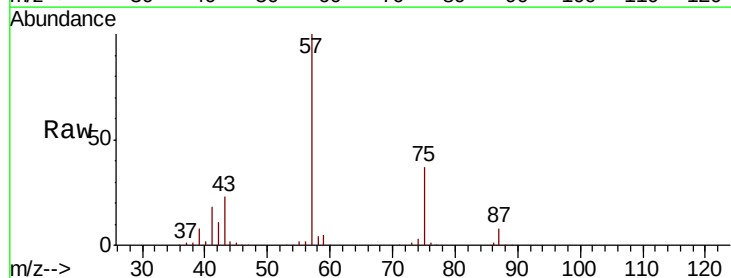
Acq: 21 Nov 2018 17:51

Tgt Ion: 76 Resp: 6013

Ion Ratio Lower Upper

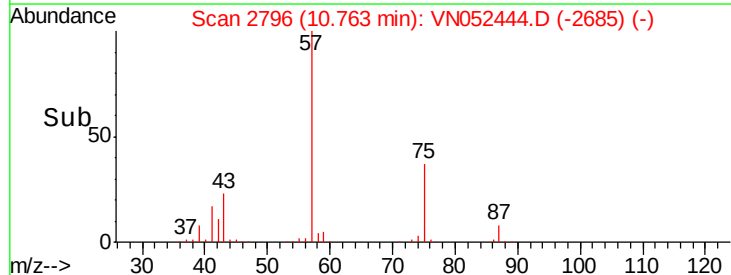
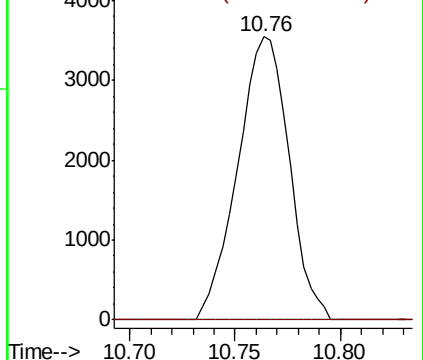
76 100

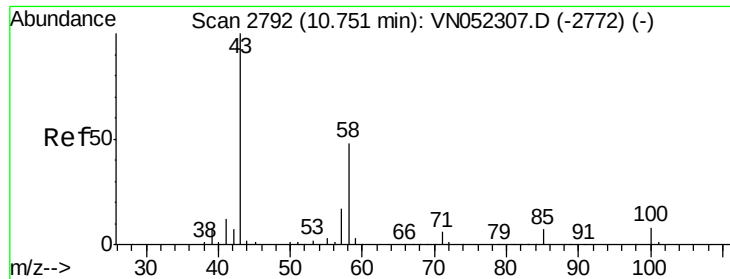
78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

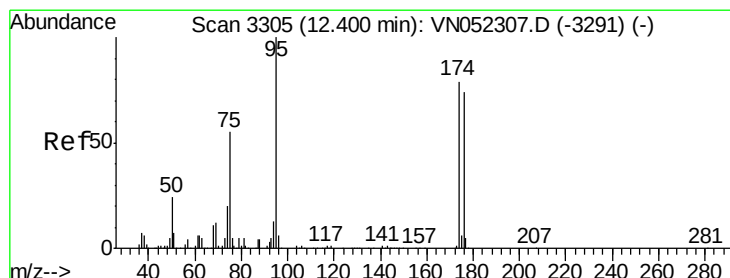
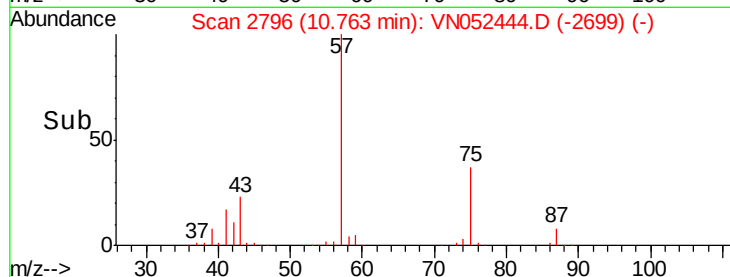
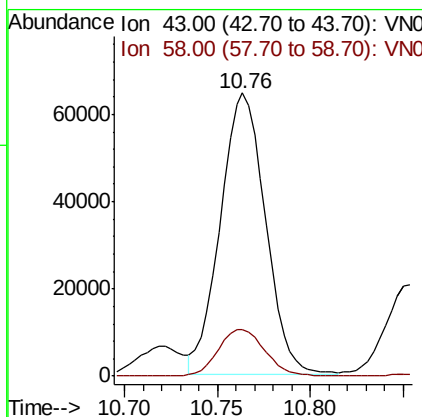
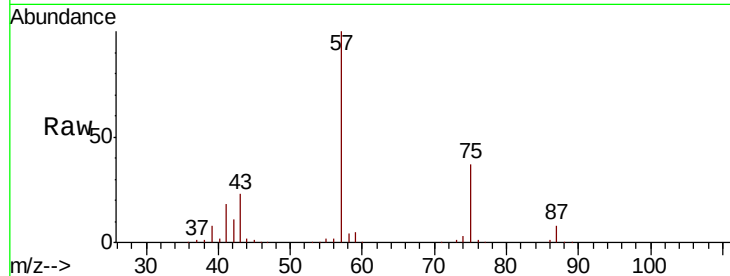




#59
2-Hexanone
Concen: 39.736 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052444.D
Acq: 21 Nov 2018 17:51

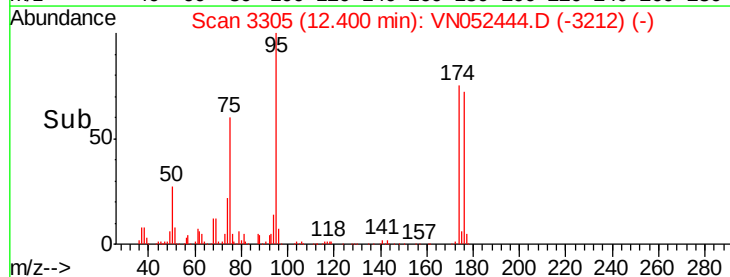
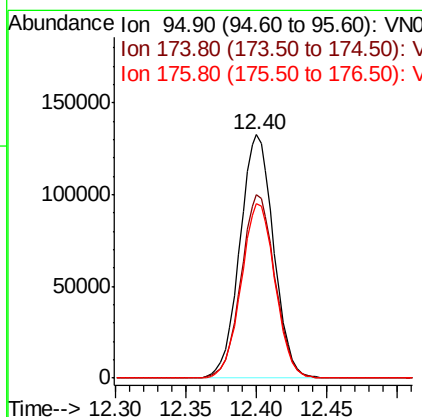
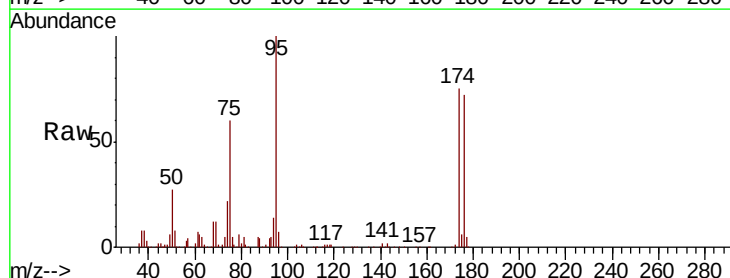
Instrument :
MSVOA_N
ClientSampled :

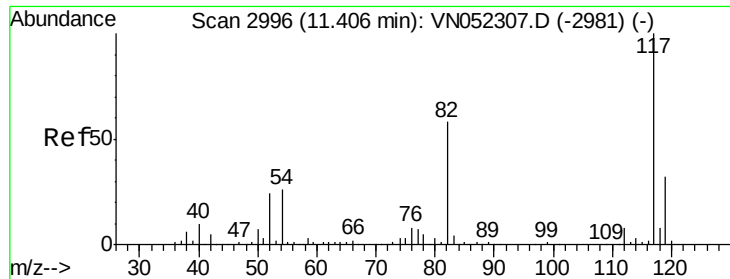
Tot Ion: 43 Resp: 108457
Ion Ratio Lower Upper
43 100
58 17.4 23.5 70.6#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052444.D
Acq: 21 Nov 2018 17:51

Tgt Ion: 95 Resp: 222334
Ion Ratio Lower Upper
95 100
174 75.7 0.0 156.0
176 71.9 0.0 148.4

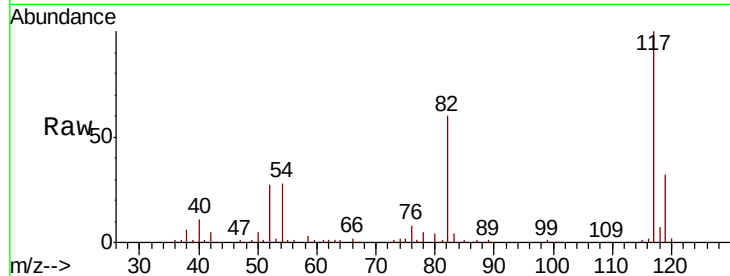




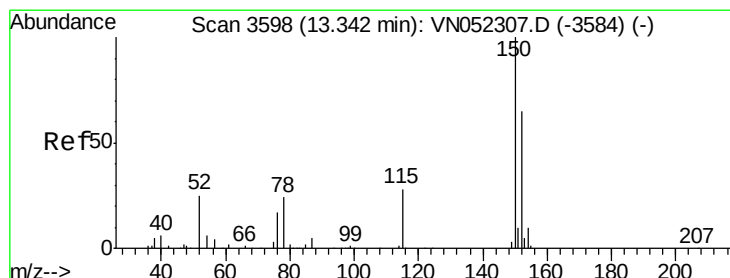
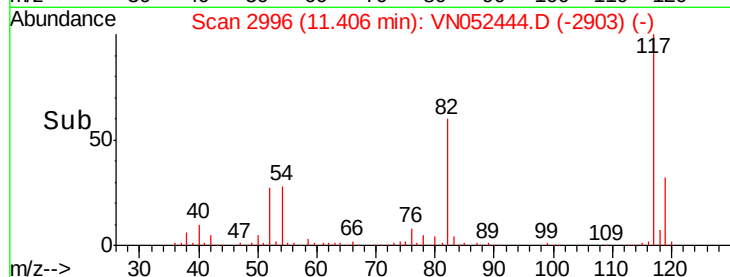
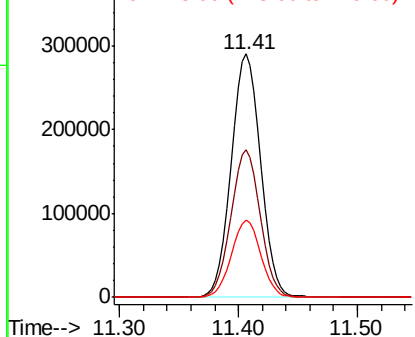
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052444.D
Acq: 21 Nov 2018 17:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 498499
Ion Ratio Lower Upper
117 100
82 60.4 46.5 69.7
119 31.8 25.7 38.5

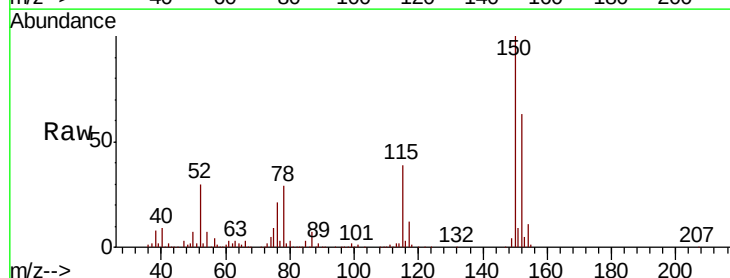


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

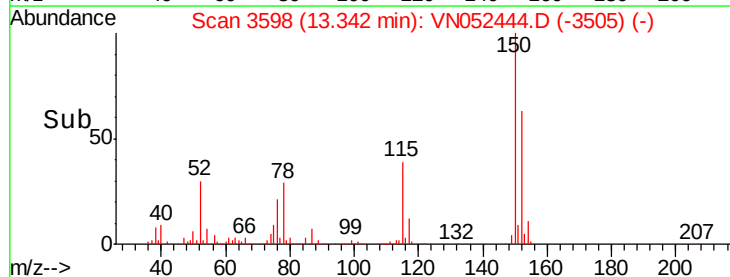
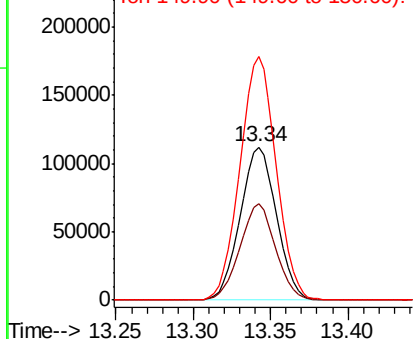


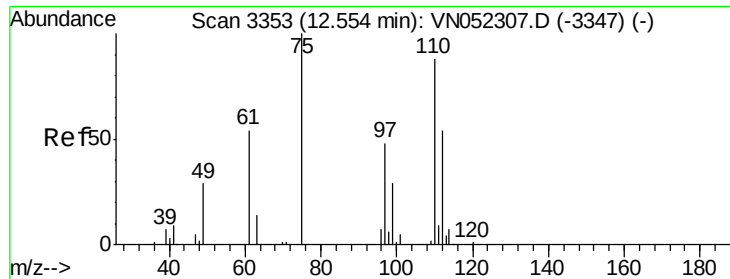
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052444.D
Acq: 21 Nov 2018 17:51

Tgt Ion:152 Resp: 182853
Ion Ratio Lower Upper
152 100
115 61.6 30.3 91.0
150 159.2 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

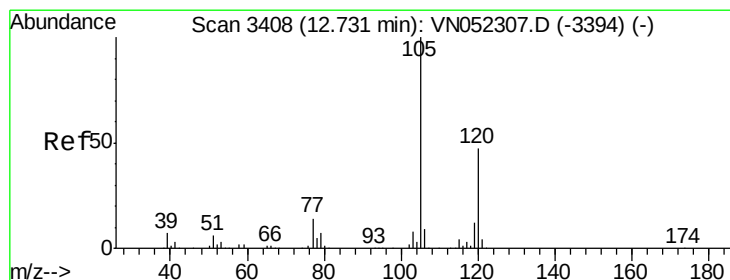
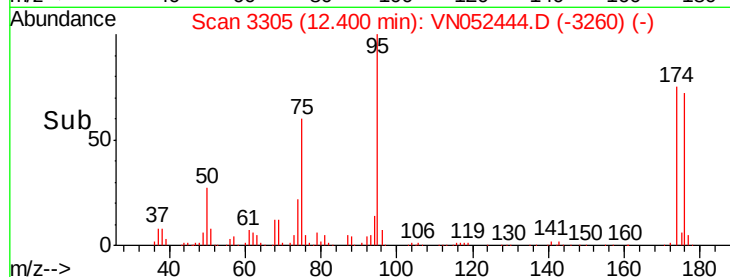
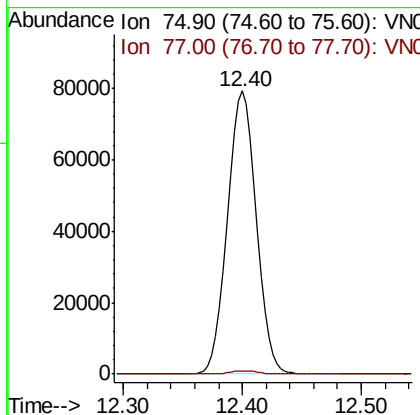
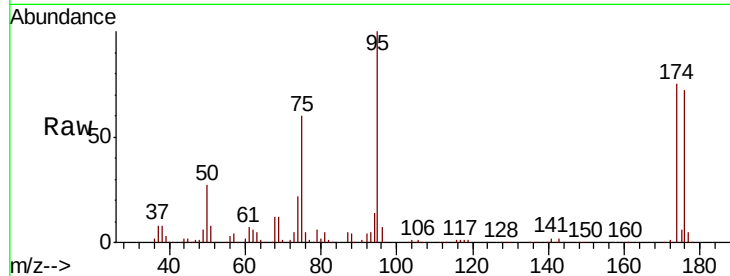




#76
 1,2,3-Trichloropropane
 Concen: 43.016 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052444.D
 Acq: 21 Nov 2018 17:51

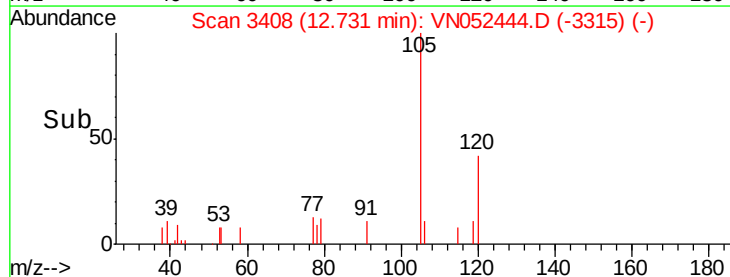
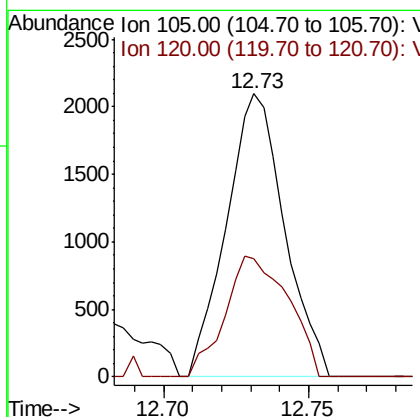
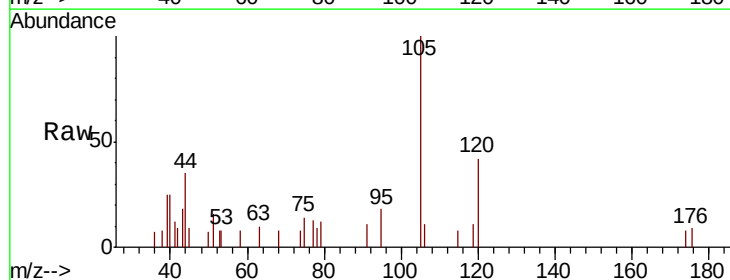
Instrument :
 MSVOA_N
 ClientSampleId :

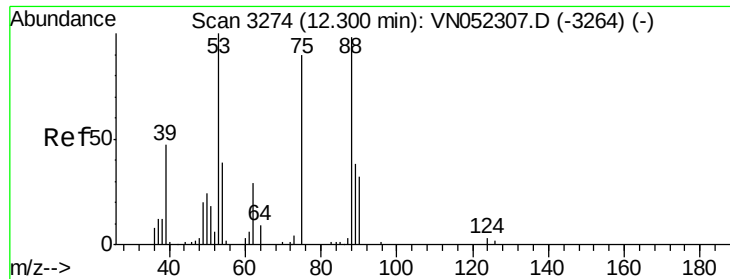
Tot Ion: 75 Resp: 133463
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.249 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN052444.D
 Acq: 21 Nov 2018 17:51

Tgt Ion: 105 Resp: 2913
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 139.516 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052444.D

Acq: 21 Nov 2018 17:51

Instrument :

MSVOA_N

ClientSampleId :

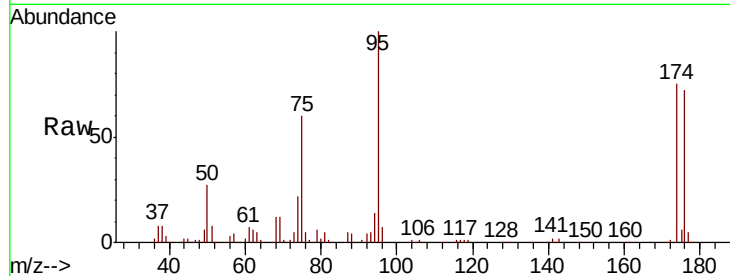
Tot Ion: 75 Resp: 133463

Ion Ratio Lower Upper

75 100

53 0.1 90.2 135.2#

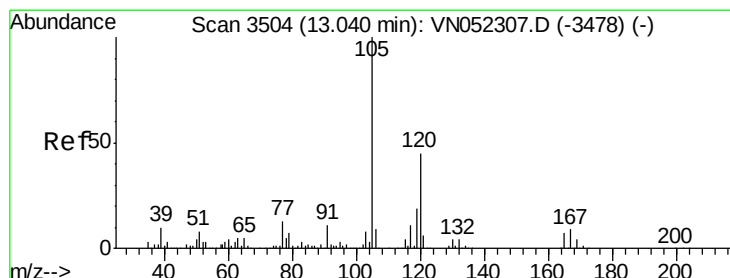
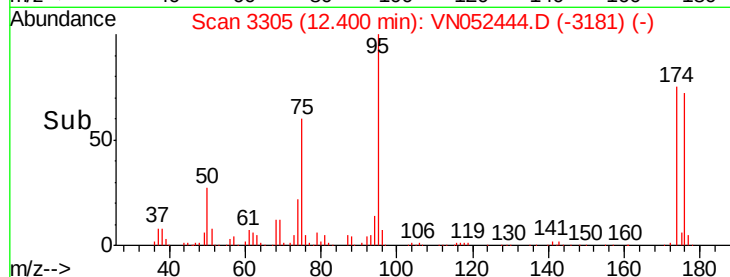
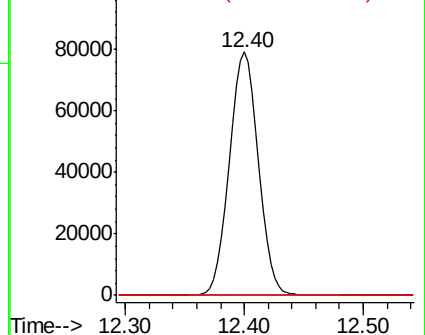
89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN052307.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN052307.D (-3264) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.207 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN052444.D

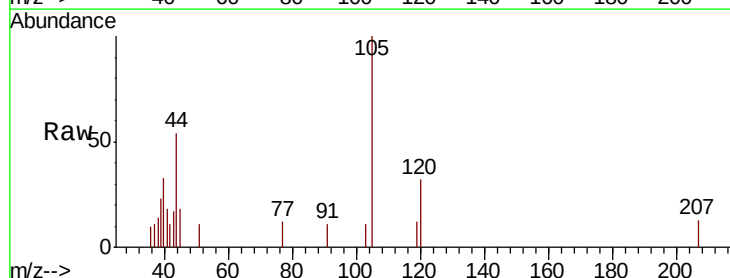
Acq: 21 Nov 2018 17:51

Tgt Ion: 105 Resp: 2432

Ion Ratio Lower Upper

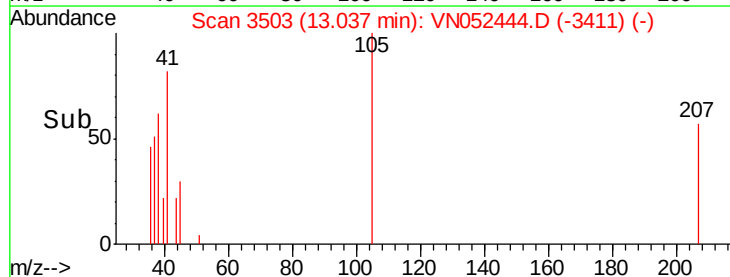
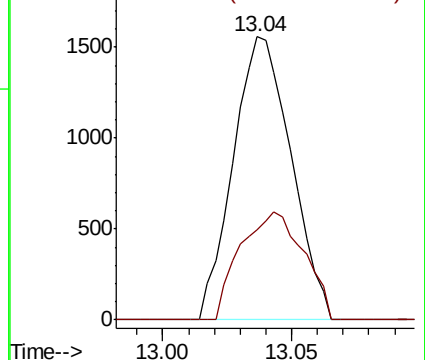
105 100

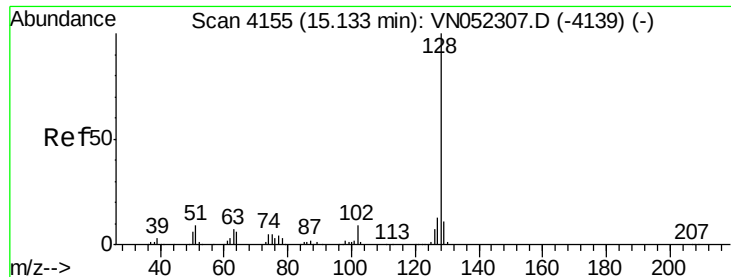
120 41.9 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): VN052307.D (-3478) (-)

Ion 120.00 (119.70 to 120.70): VN052307.D (-3478) (-)





#95

Naphthalene

Concen: 13.622 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052444.D

Acq: 21 Nov 2018 17:51

Instrument :

MSVOA_N

ClientSampleId :

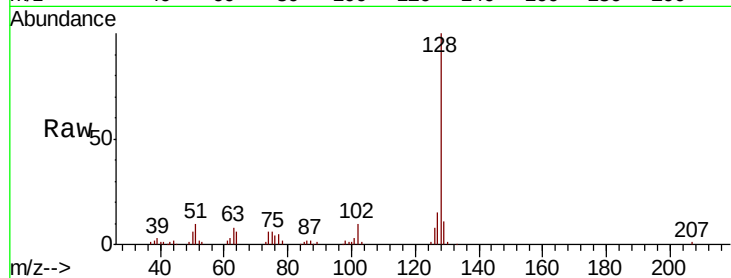
Tot Ion:128 Resp: 75230

Ion Ratio Lower Upper

128 100

127 14.4 10.4 15.6

129 10.4 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

