

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112018\
 Data File : VN052416.D
 Acq On : 20 Nov 2018 19:05
 Operator : MD\SY
 Sample : PB114952ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 20 23:57:22 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	300319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	502864	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	433769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150315	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	224828	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	
35) Dibromofluoromethane	7.59	113	164740	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
50) Toluene-d8	10.09	98	640690	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.40	95	186471	44.42	ug/l	0.00
Spiked Amount			Recovery	=	88.84%	

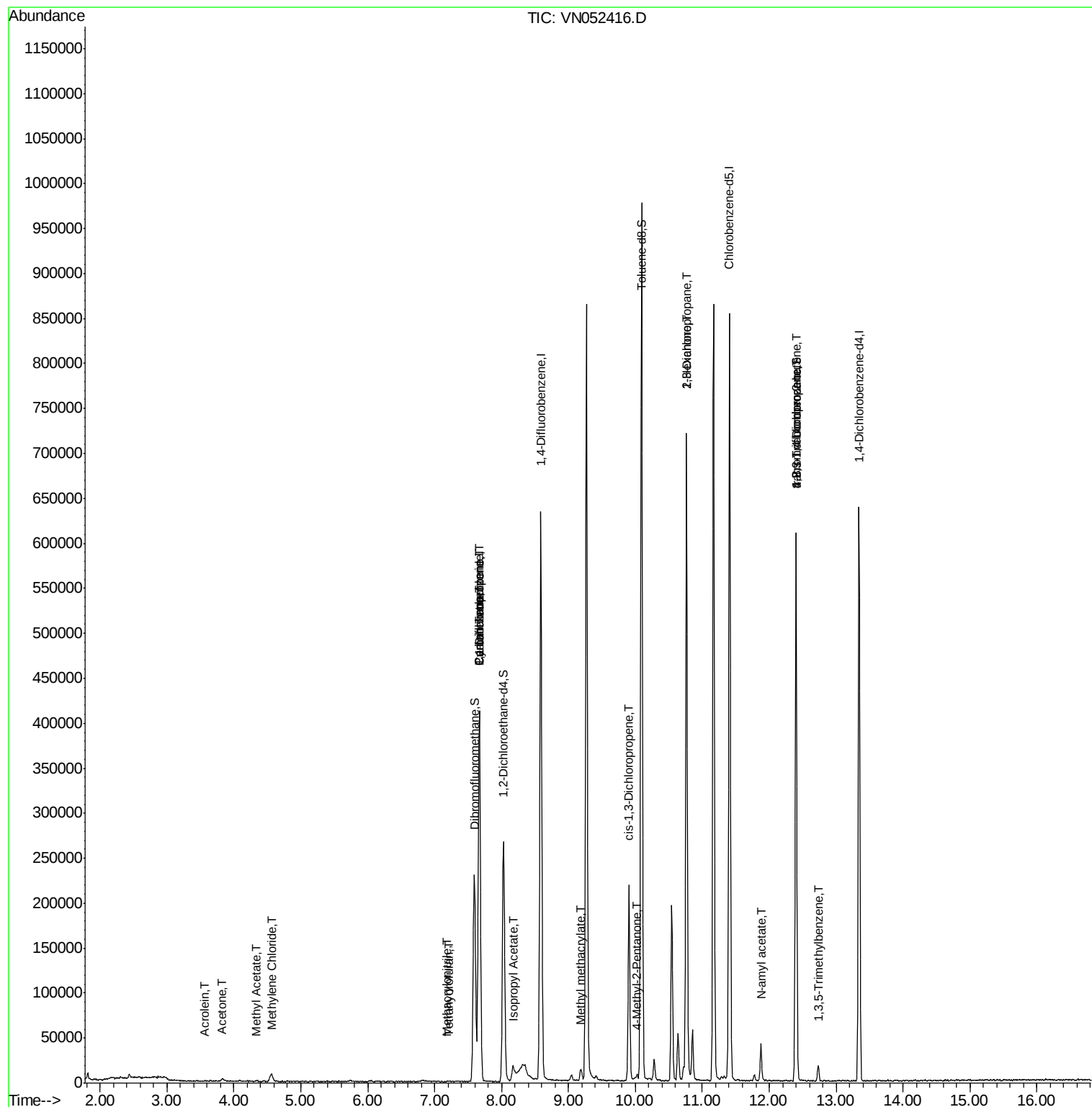
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.57	56	31	21.854	ug/l #	14
16) Acetone	3.83	43	4986	4.269	ug/l	94
18) Methyl Acetate	4.32	43	427	0.561	ug/l #	57
20) Methylene Chloride	4.55	84	5127	0.753	ug/l	91
29) Tetrahydrofuran	7.20	42	252	0.233	ug/l #	51
31) Cyclohexane	7.66	56	9273	0.386	ug/l #	24
36) 1,1-Dichloropropene	7.67	75	28106	5.576	ug/l #	52
38) Carbon Tetrachloride	7.67	117	32613	7.043	ug/l #	16
41) Methacrylonitrile	7.18	41	192	3.783	ug/l #	100
43) Isopropyl Acetate	8.17	43	22172	3.141	ug/l #	86
48) Methyl methacrylate	9.17	41	4852	1.355	ug/l #	16
51) 4-Methyl-2-Pentanone	10.03	43	5174	1.456	ug/l #	41
54) cis-1,3-Dichloropropene	9.90	75	32449	5.814	ug/l #	74
57) 1,3-Dichloropropane	10.76	76	7041	1.273	ug/l #	43
59) 2-Hexanone	10.76	43	119029	48.705	ug/l #	55
74) N-amyl acetate	11.88	43	14205	3.300	ug/l #	57
76) 1,2,3-Trichloropropane	12.40	75	110549	43.343	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	8414	0.875	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	110549	140.578	ug/l #	5

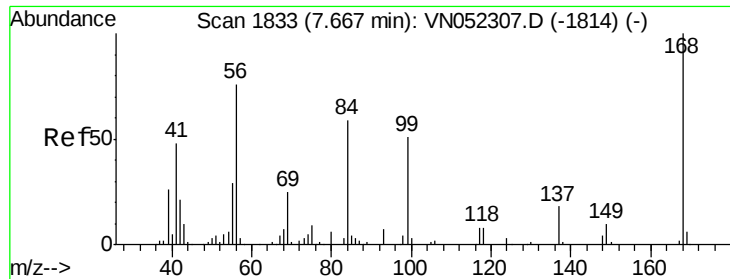
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112018\
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ALS Vial : 19 Sample Multiplier: 28

Instrument :
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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: VN052416.D

Acq: 20 Nov 2018 19:05

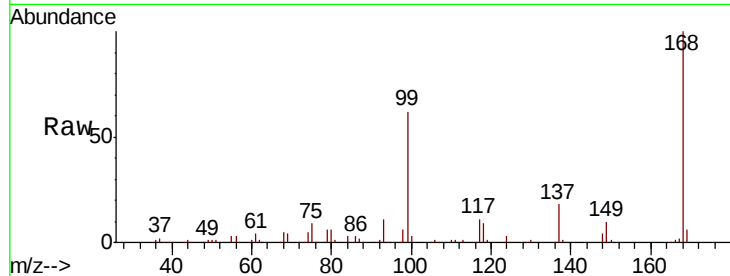
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 300319

Ion Ratio Lower Upper

168 100

99 62.4 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

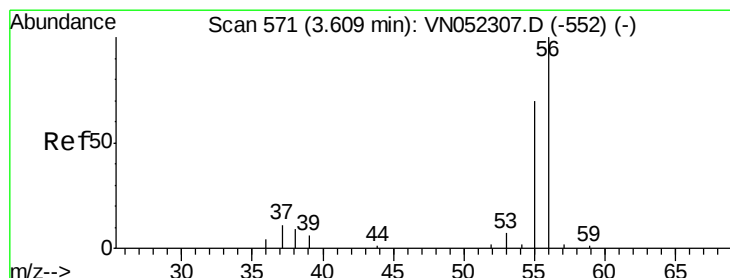
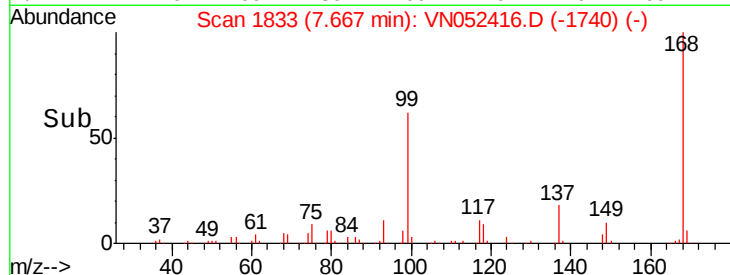
100000

50000

0

Time-->

7.60 7.70



#13

Acrolein

Concen: 21.854 ug/l

RT: 3.57 min Scan# 559

Delta R.T. -0.04 min

Lab File: VN052416.D

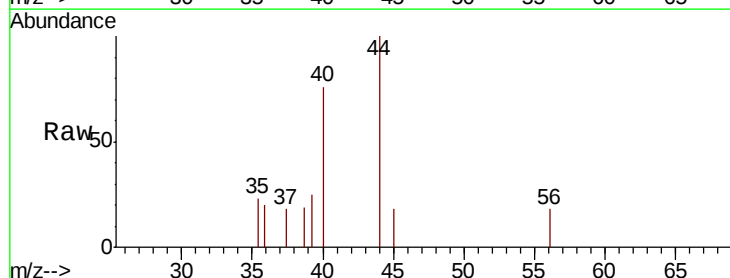
Acq: 20 Nov 2018 19:05

Tgt Ion: 56 Resp: 31

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.57

150

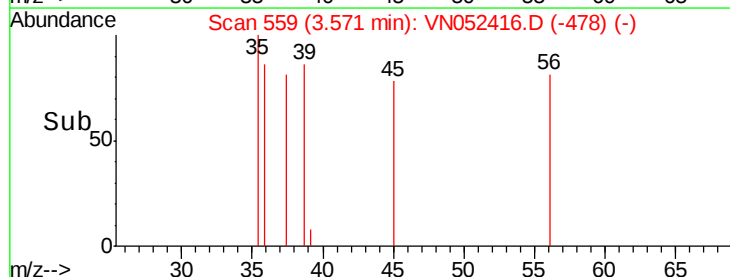
100

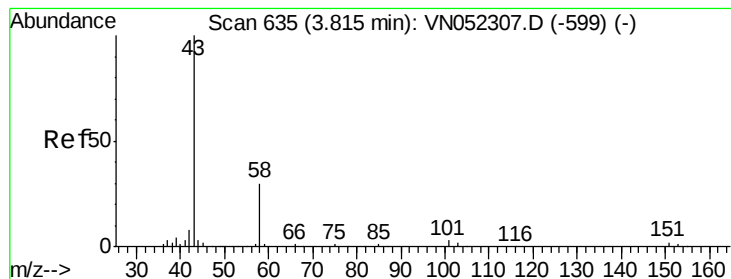
50

0

Time-->

3.56 3.57 3.58 3.58





#16

Acetone

Concen: 4.269 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN052416.D

Acq: 20 Nov 2018 19:05

Instrument :

MSVOA_N

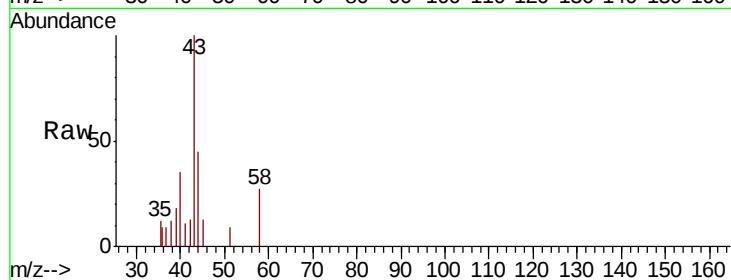
ClientSampleId :

Tot Ion: 43 Resp: 4986

Ion Ratio Lower Upper

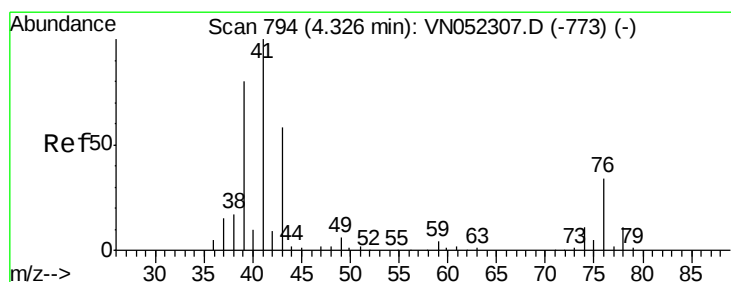
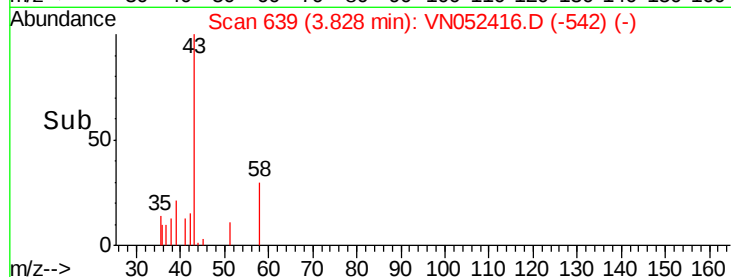
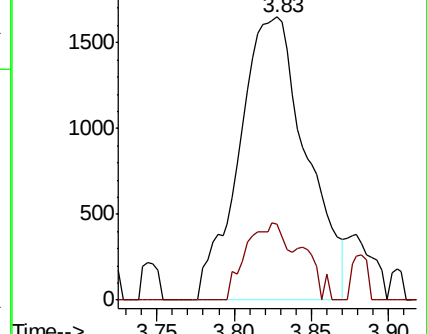
43 100

58 27.0 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.561 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052416.D

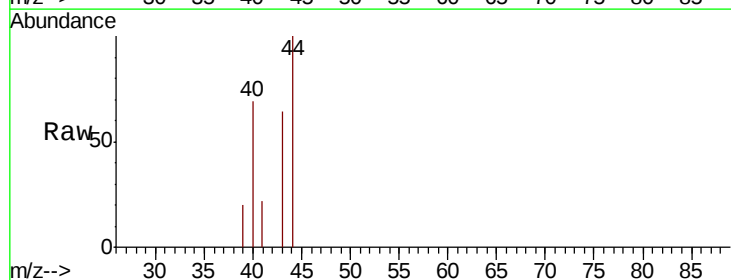
Acq: 20 Nov 2018 19:05

Tgt Ion: 43 Resp: 427

Ion Ratio Lower Upper

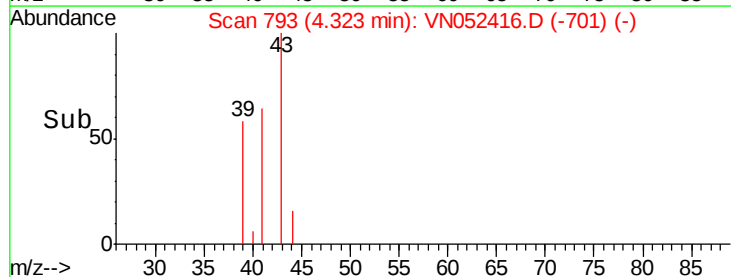
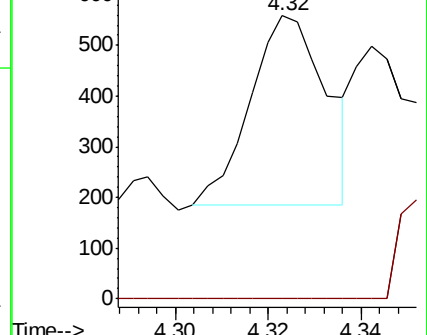
43 100

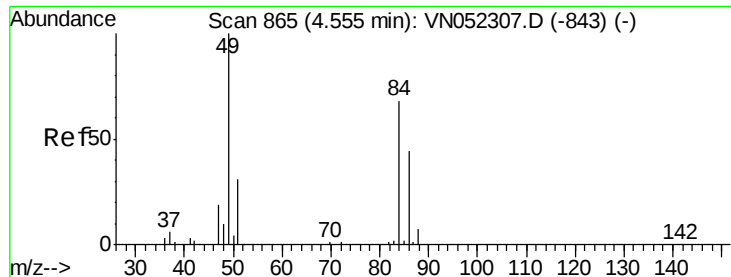
74 0.0 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

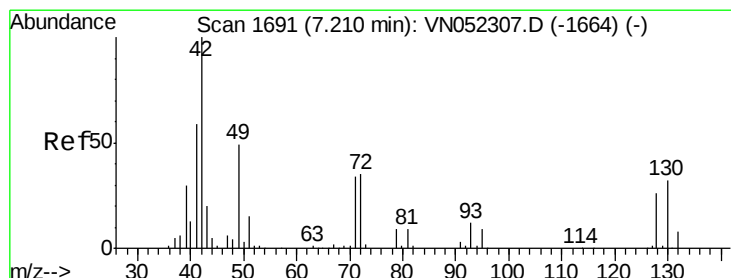
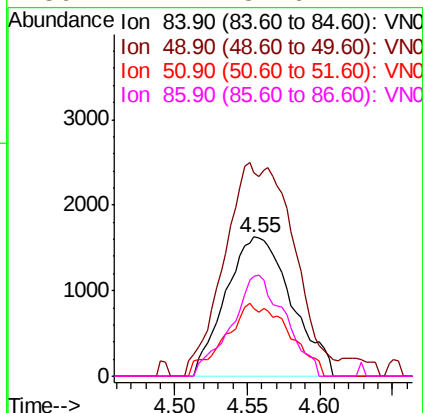
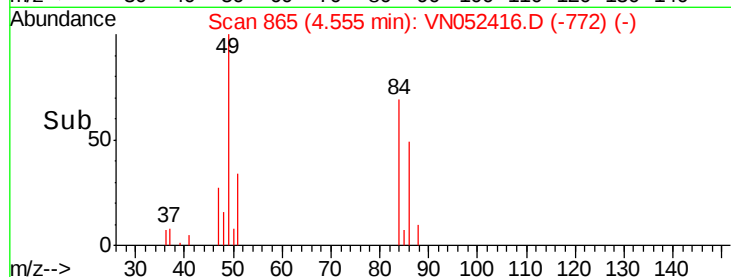
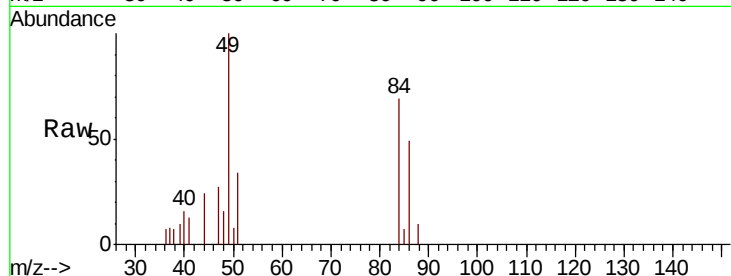




#20
Methvlene Chloride
Concen: 0.753 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052416.D
Acq: 20 Nov 2018 19:05

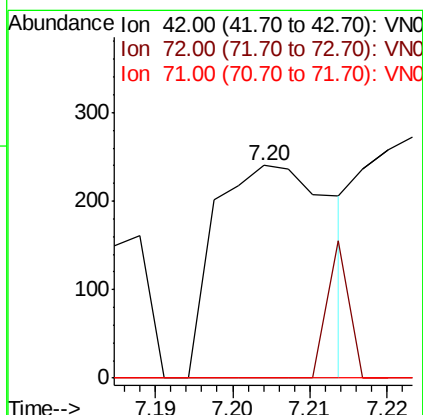
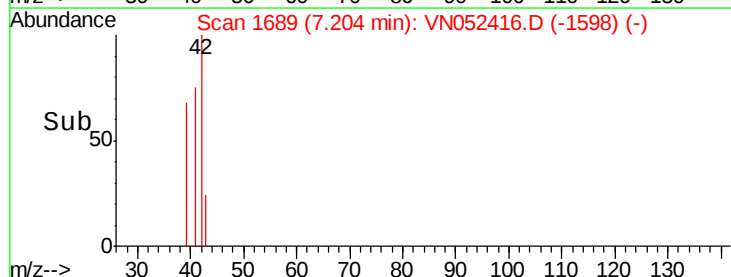
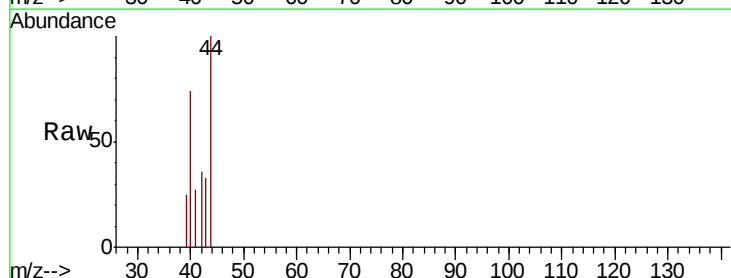
Instrument :
MSVOA_N
ClientSampled :

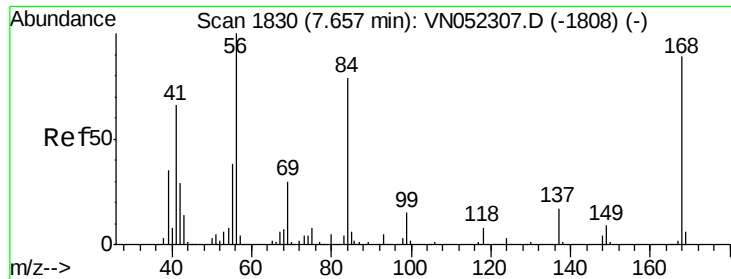
Tot Ion:	84	Resp:	5127
Ion	Ratio	Lower	Upper
84	100		
49	135.2	118.2	177.2
51	49.1	36.1	54.1
86	72.1	51.6	77.4



#29
Tetrahydrofuran
Concen: 0.233 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VN052416.D
Acq: 20 Nov 2018 19:05

Tgt Ion:	42	Resp:	252
Ion	Ratio	Lower	Upper
42	100		
72	11.9	28.6	42.8#
71	0.0	26.7	40.1#

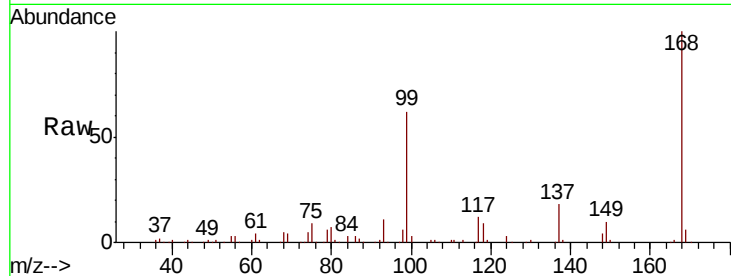




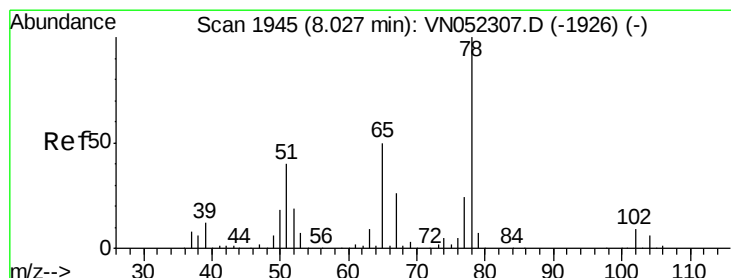
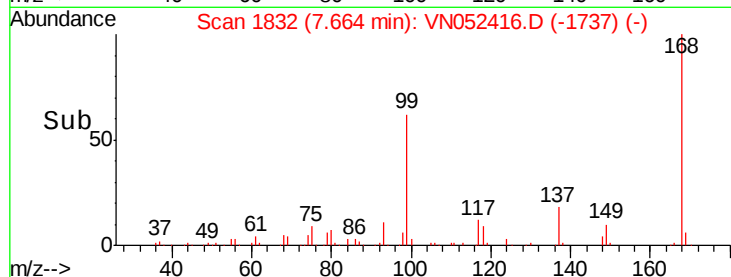
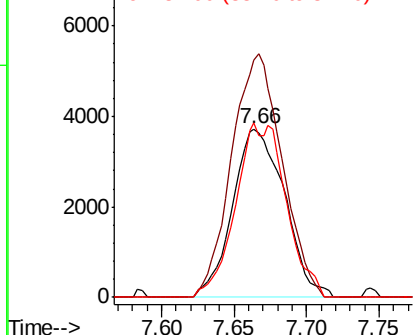
#31
Cyclohexane
Concen: 0.386 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052416.D
Acq: 20 Nov 2018 19:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 9273
Ion Ratio Lower Upper
56 100
69 140.6 23.8 35.8#
84 103.2 63.0 94.6#

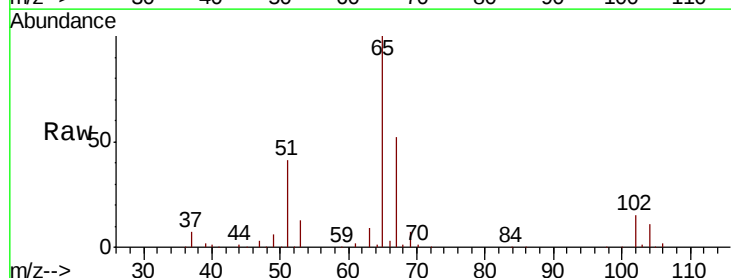


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

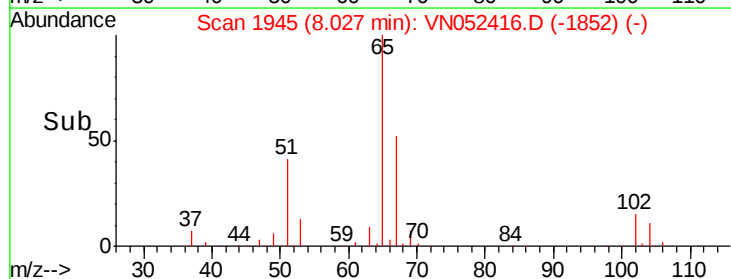
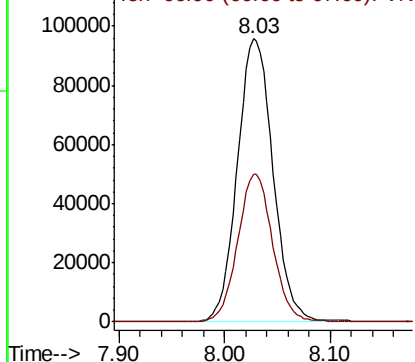


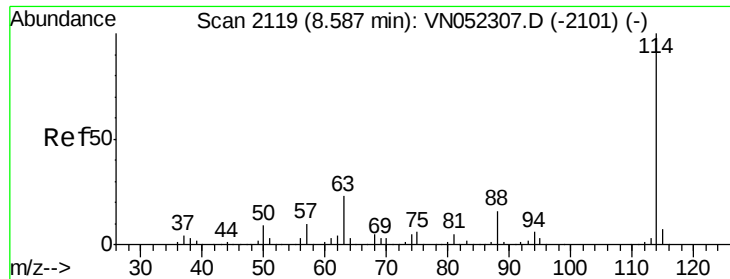
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052416.D
Acq: 20 Nov 2018 19:05

Tgt Ion: 65 Resp: 224828
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.2



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

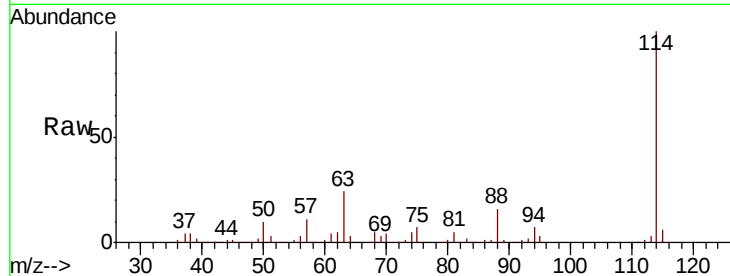




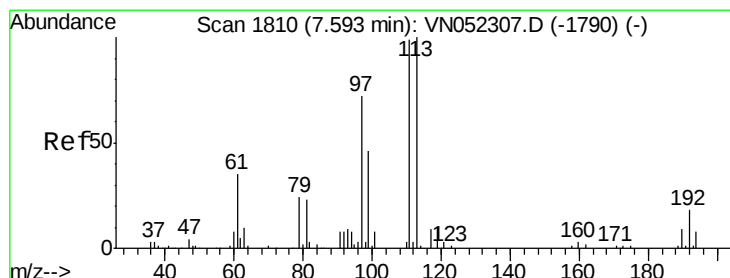
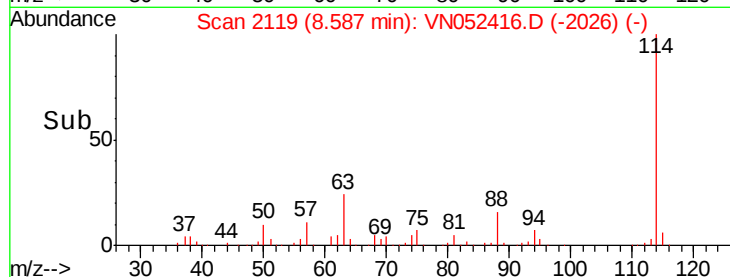
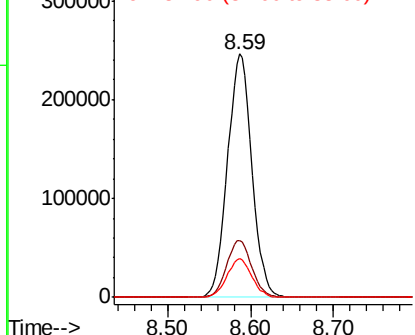
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN052416.D
Acq: 20 Nov 2018 19:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 502864
Ion Ratio Lower Upper
114 100
63 23.6 0.0 45.4
88 15.9 0.0 31.2

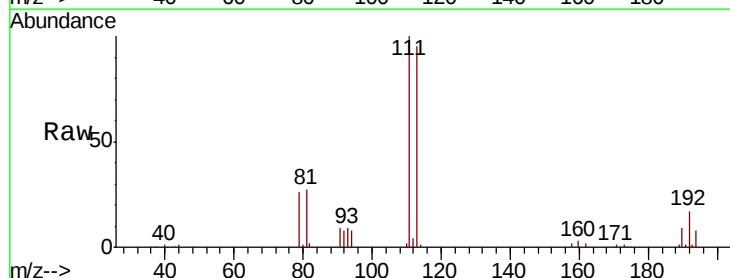


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

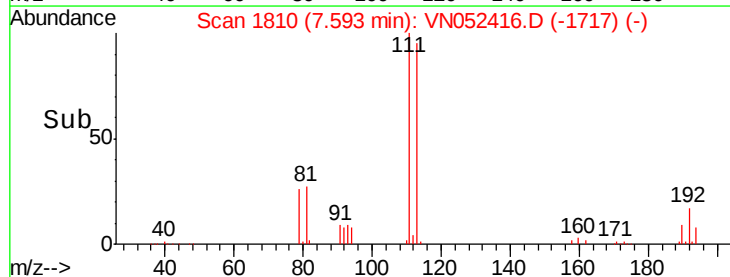
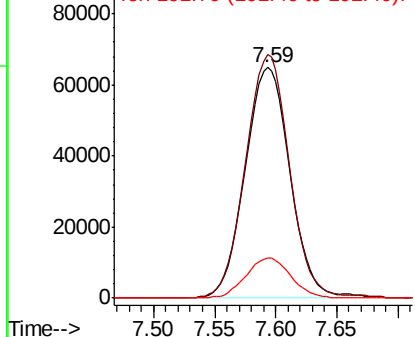


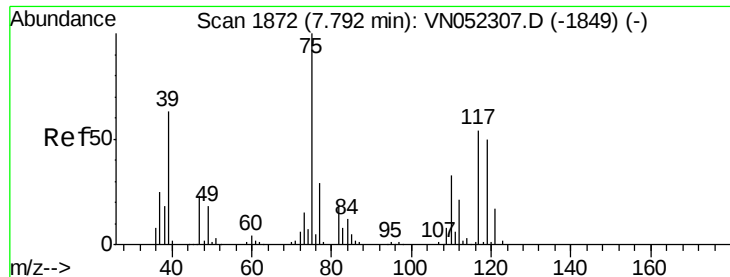
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052416.D
Acq: 20 Nov 2018 19:05

Tgt Ion:113 Resp: 164740
Ion Ratio Lower Upper
113 100
111 104.4 81.0 121.6
192 17.5 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

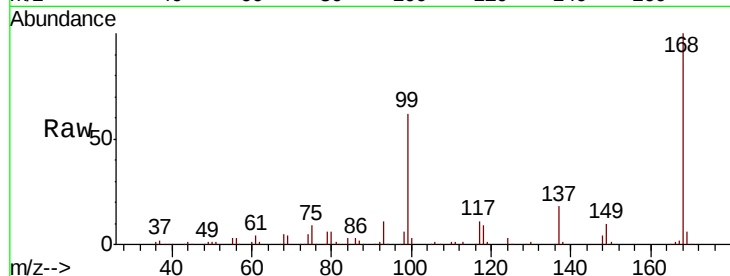




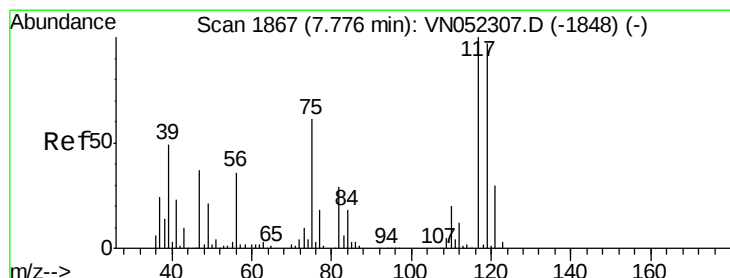
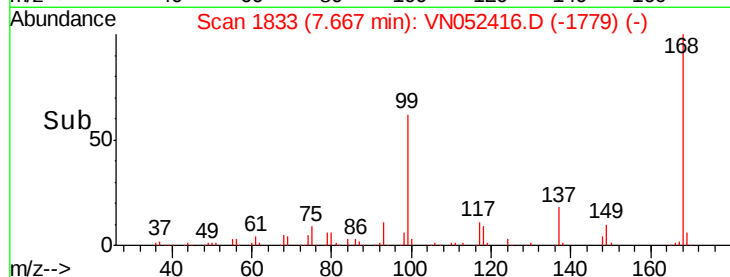
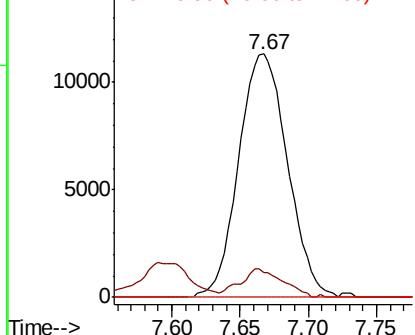
#36
 1,1-Dichloropropene
 Concen: 5.576 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052416.D
 Acq: 20 Nov 2018 19:05

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 28106
 Ion Ratio Lower Upper
 75 100
 110 10.1 16.5 49.5#
 77 0.0 24.2 36.2#

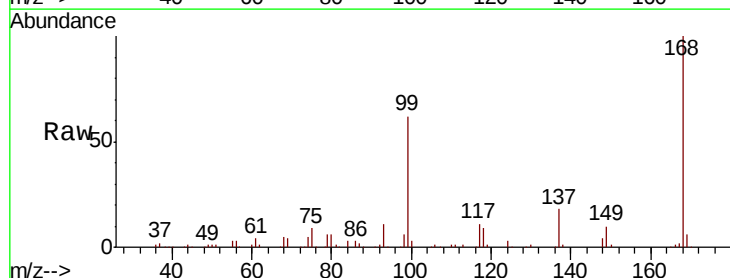


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

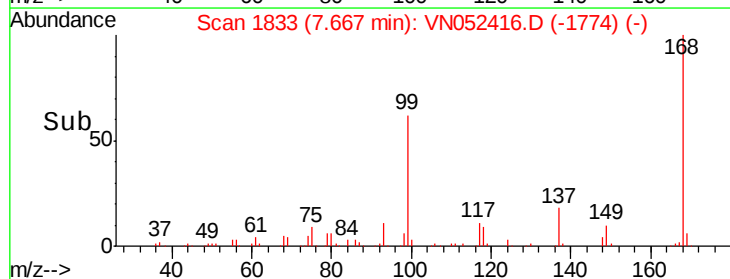
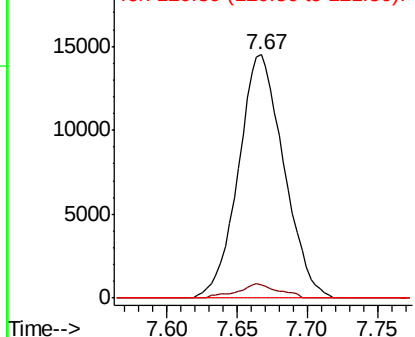


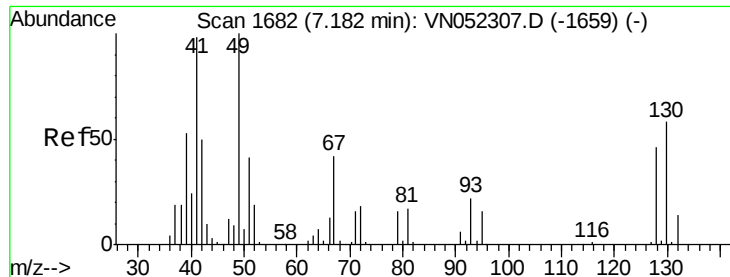
#38
 Carbon Tetrachloride
 Concen: 7.043 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052416.D
 Acq: 20 Nov 2018 19:05

Tgt Ion: 117 Resp: 32613
 Ion Ratio Lower Upper
 117 100
 119 5.6 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

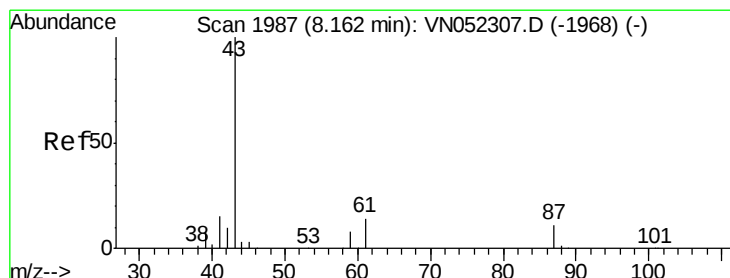
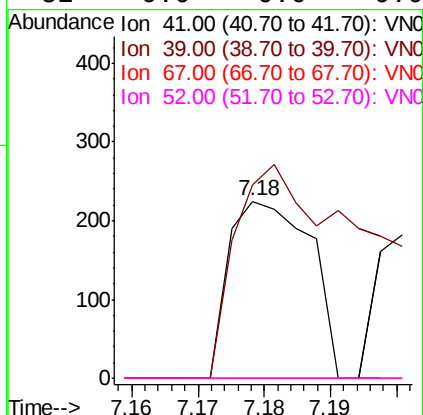
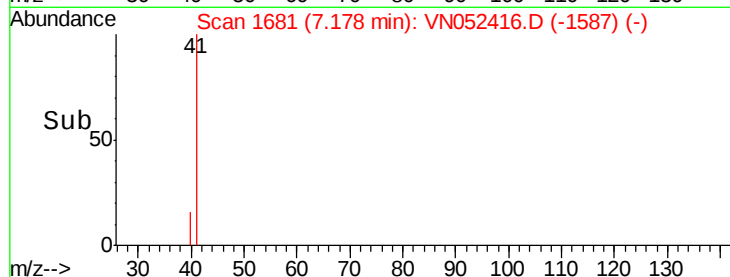
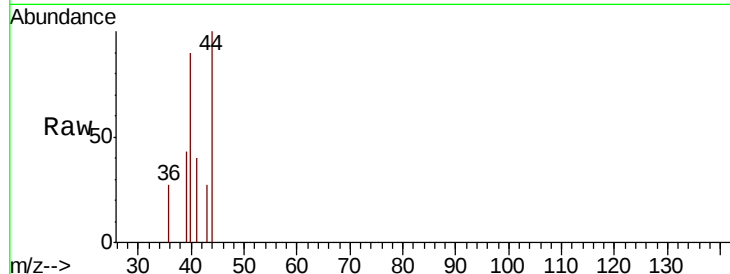




#41
Methacrylonitrile
Concen: 3.783 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN052416.D
Acq: 20 Nov 2018 19:05

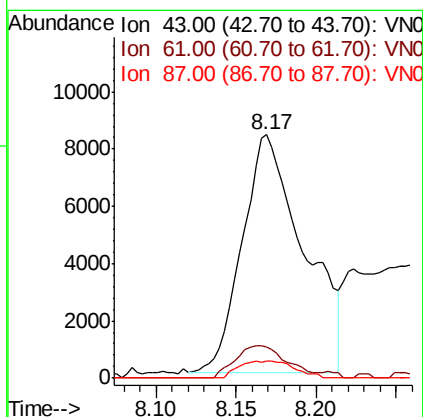
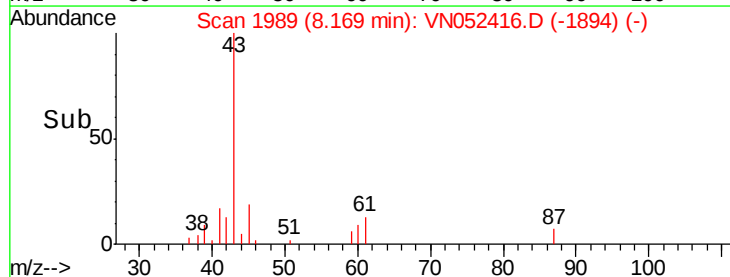
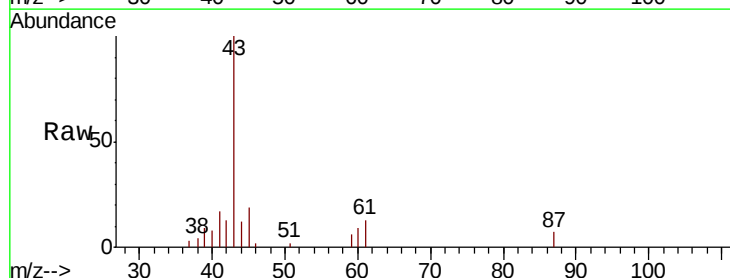
Instrument :
MSVOA_N
ClientSampled :

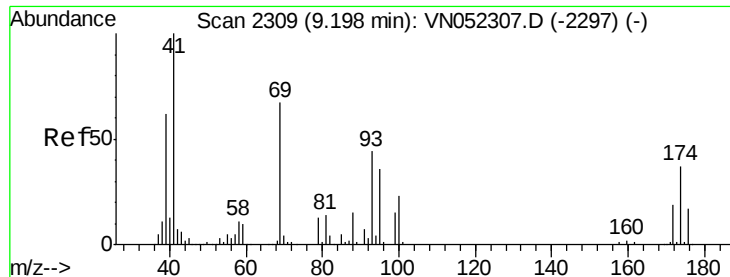
Tot Ion: 41 Resp: 192
Ion Ratio Lower Upper
41 100
39 203.1 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#43
Isopropyl Acetate
Concen: 3.141 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN052416.D
Acq: 20 Nov 2018 19:05

Tgt Ion: 43 Resp: 22172
Ion Ratio Lower Upper
43 100
61 11.2 12.0 18.0#
87 2.8 8.3 12.5#

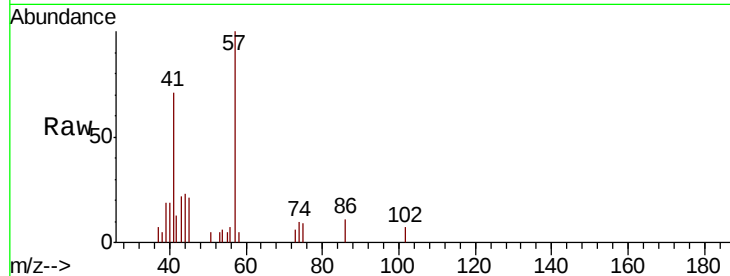




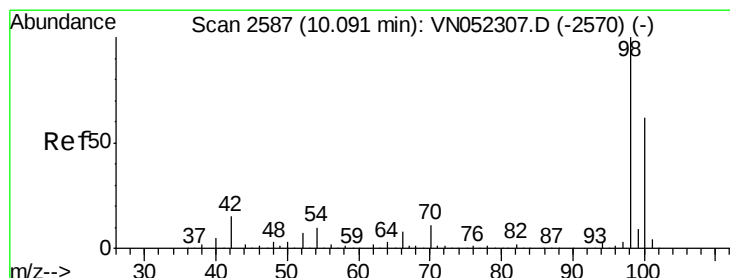
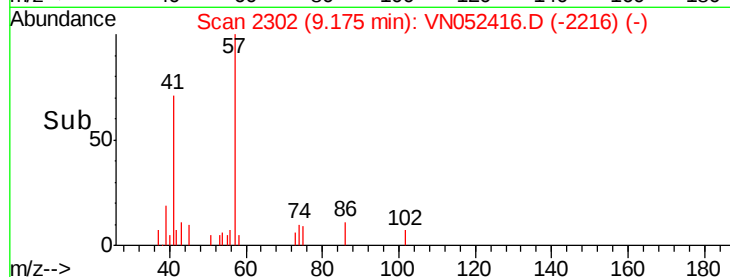
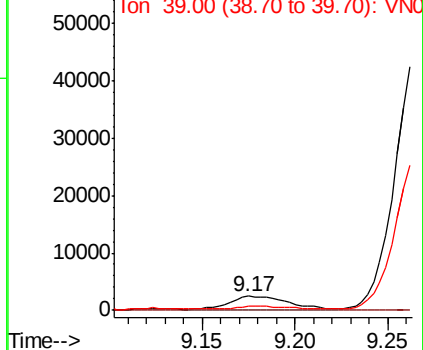
#48
Methvl methacrylate
Concen: 1.355 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VN052416.D
Acq: 20 Nov 2018 19:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 4852
Ion Ratio Lower Upper
41 100
69 0.0 57.1 85.7#
39 0.0 52.5 78.7#

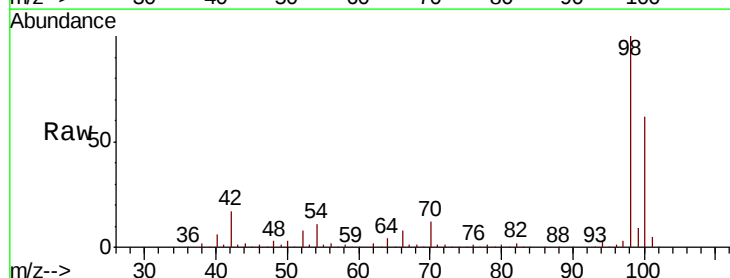


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

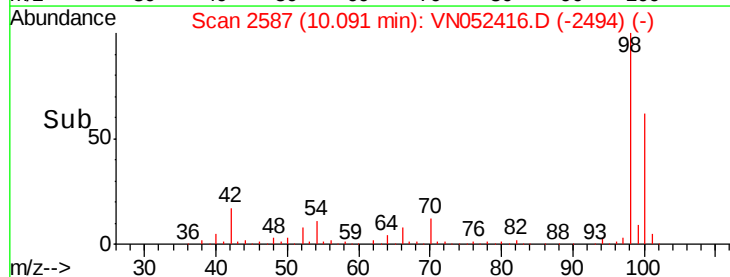
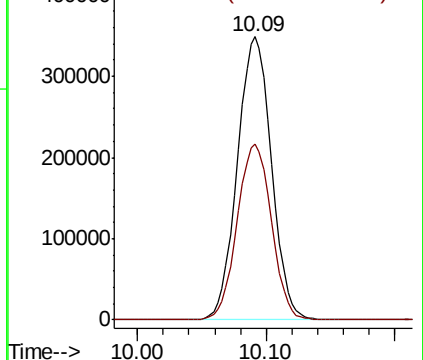


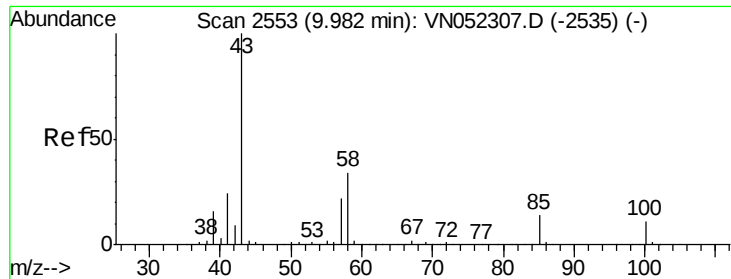
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052416.D
Acq: 20 Nov 2018 19:05

Tgt Ion: 98 Resp: 640690
Ion Ratio Lower Upper
98 100
100 62.6 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: 1.456 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN052416.D

Acq: 20 Nov 2018 19:05

Instrument :

MSVOA_N

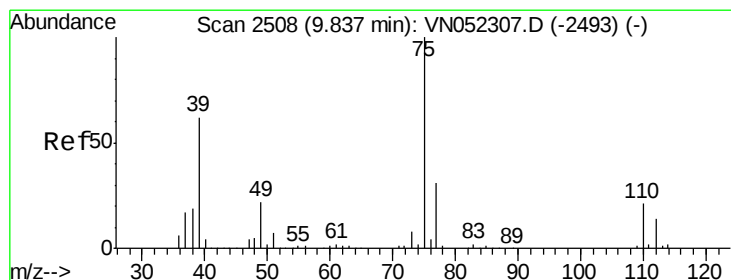
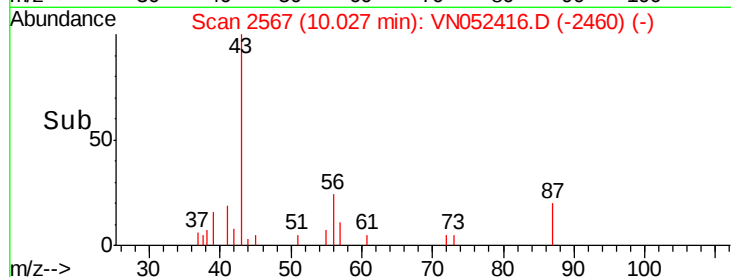
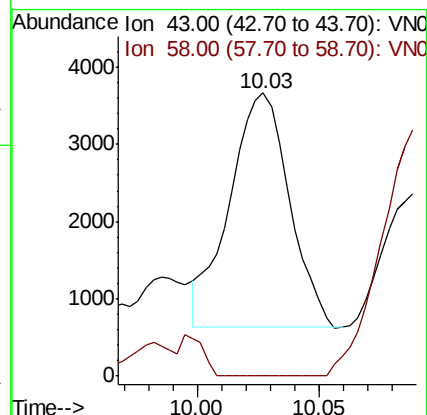
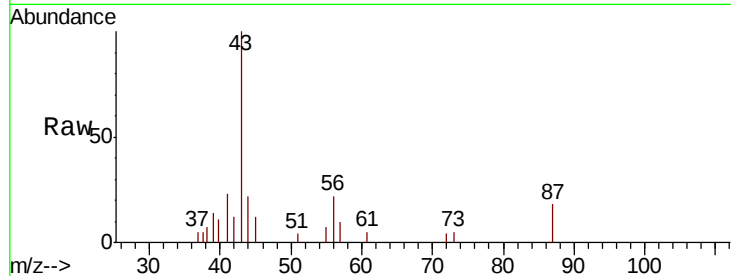
ClientSampled :

Tot Ion: 43 Resp: 5174

Ion Ratio Lower Upper

43 100

58 0.0 27.0 40.6#



#54

cis-1,3-Dichloropropene

Concen: 5.814 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN052416.D

Acq: 20 Nov 2018 19:05

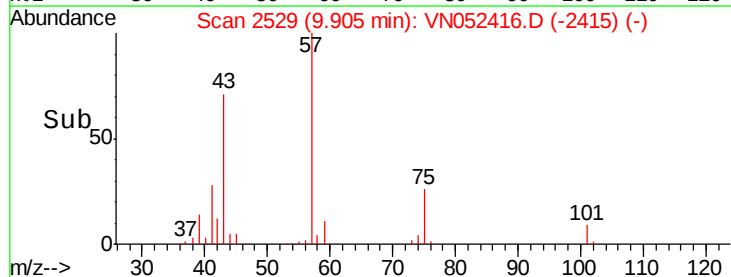
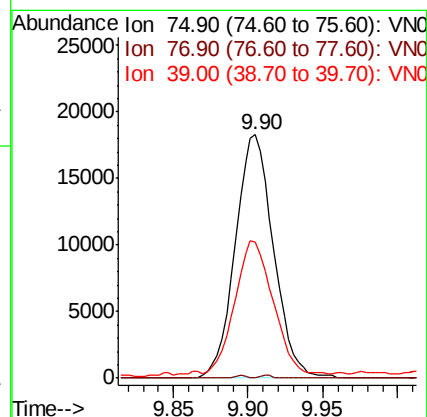
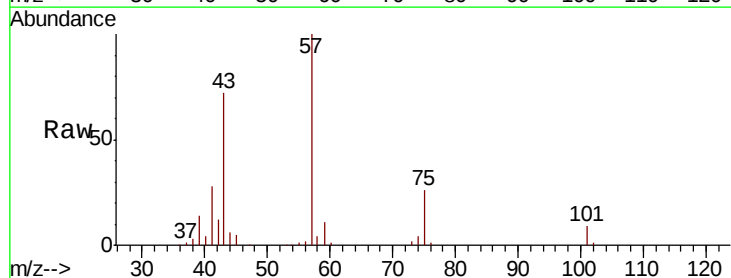
Tgt Ion: 75 Resp: 32449

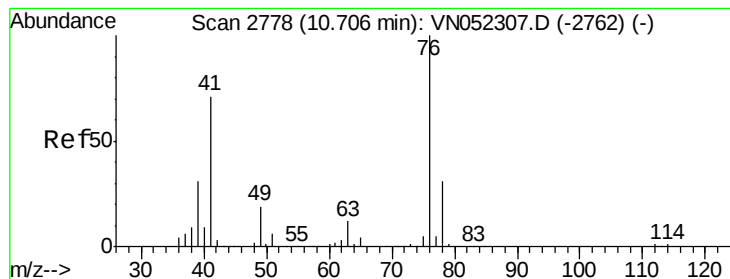
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 53.8 49.9 74.9





#57

1,3-Dichloropropane

Concen: 1.273 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.05 min

Lab File: VN052416.D

Acq: 20 Nov 2018 19:05

Instrument :

MSVOA_N

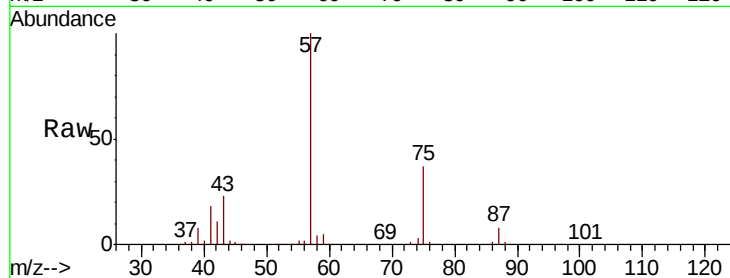
ClientSampleId :

Tot Ion: 76 Resp: 7041

Ion Ratio Lower Upper

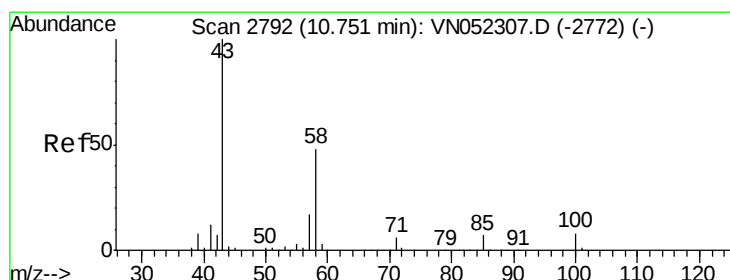
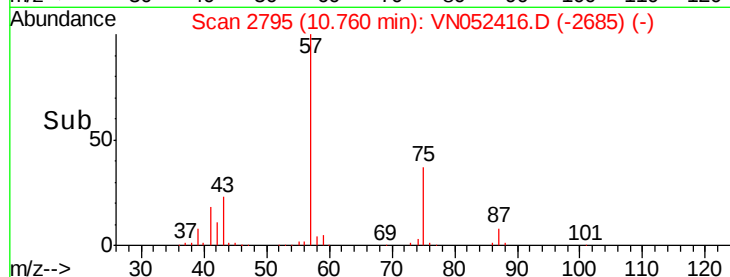
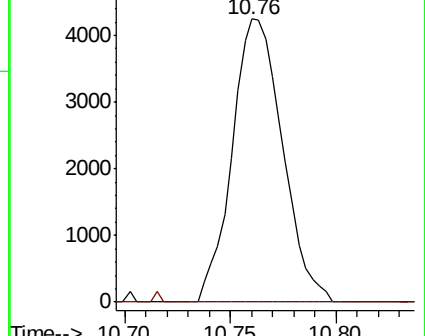
76 100

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: 48.705 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN052416.D

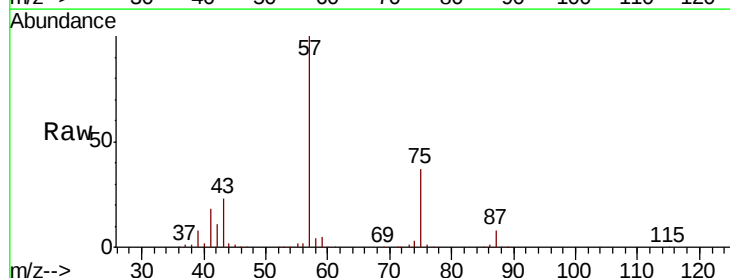
Acq: 20 Nov 2018 19:05

Tgt Ion: 43 Resp: 119029

Ion Ratio Lower Upper

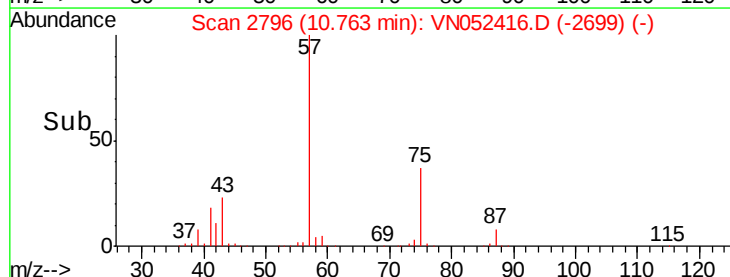
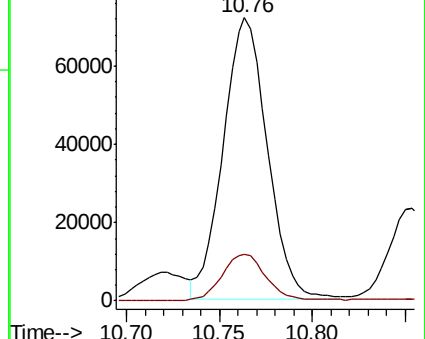
43 100

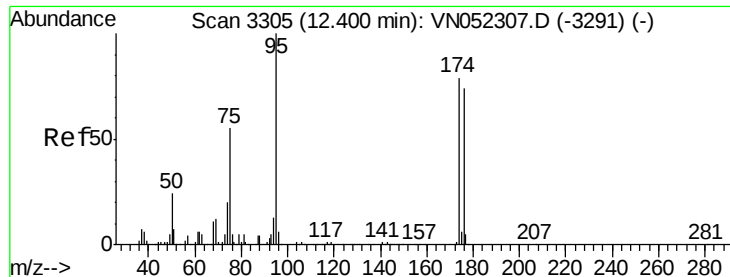
58 16.8 23.5 70.6#



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# 3305

Delta R.T. -0.00 min

Lab File: VN052416.D

Acq: 20 Nov 2018 19:05

Instrument :

MSVOA_N

ClientSampled :

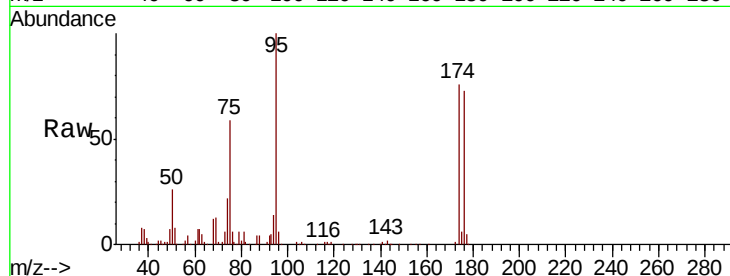
Tot Ion: 95 Resp: 186471

Ion Ratio Lower Upper

95 100

174 77.0 0.0 156.0

176 73.6 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VN052416.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN052416.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN052416.D (-2903) (-)

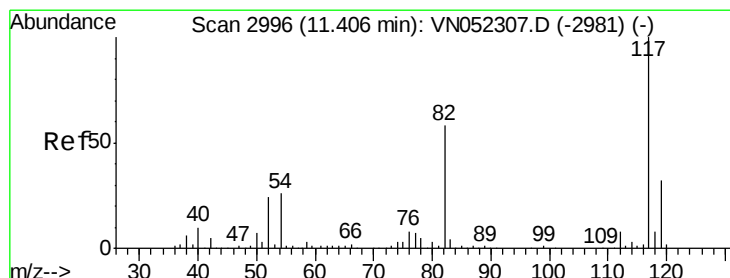
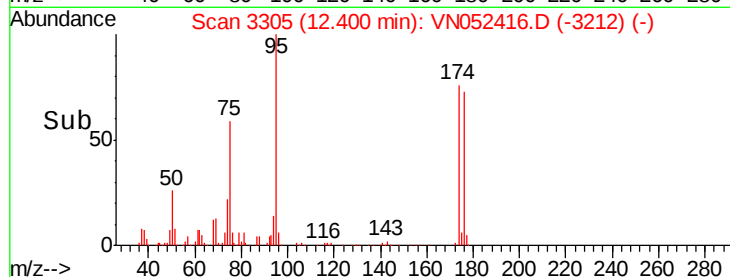
12.40

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052416.D

Acq: 20 Nov 2018 19:05

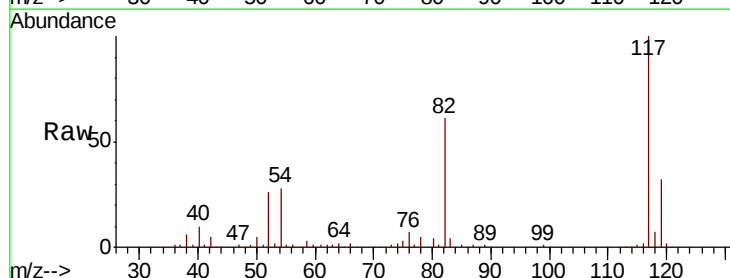
Tgt Ion: 117 Resp: 433769

Ion Ratio Lower Upper

117 100

82 60.8 46.5 69.7

119 32.2 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VN052416.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN052416.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN052416.D (-2903) (-)

11.41

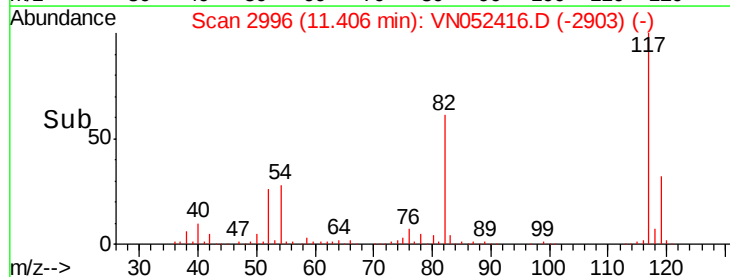
300000

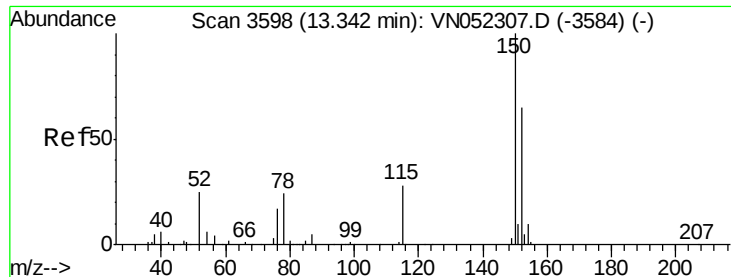
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052416.D

Acq: 20 Nov 2018 19:05

Instrument :

MSVOA_N

ClientSampleId :

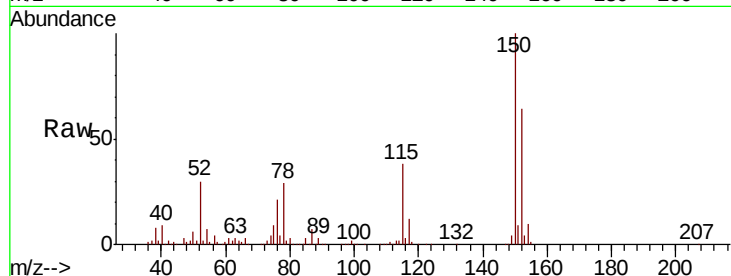
Tot Ion:152 Resp: 150315

Ion Ratio Lower Upper

152 100

115 61.4 30.3 91.0

150 157.4 0.0 348.2

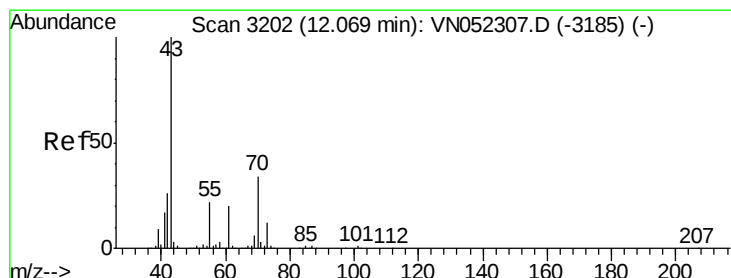
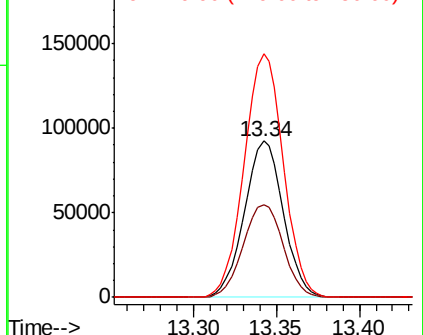
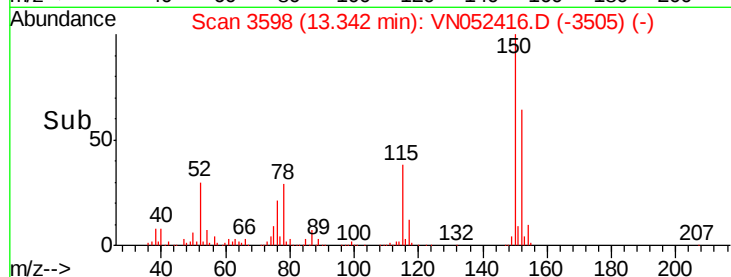


Abundance

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-ethyl acetate

Concen: 3.300 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052416.D

Acq: 20 Nov 2018 19:05

Tgt Ion: 43 Resp: 14205

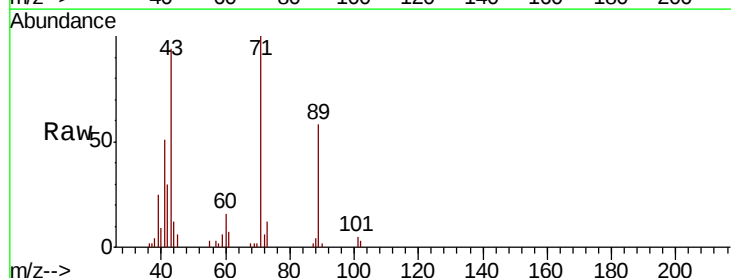
Ion Ratio Lower Upper

43 100

70 0.7 27.1 40.7#

55 4.0 17.4 26.0#

61 8.3 16.1 24.1#



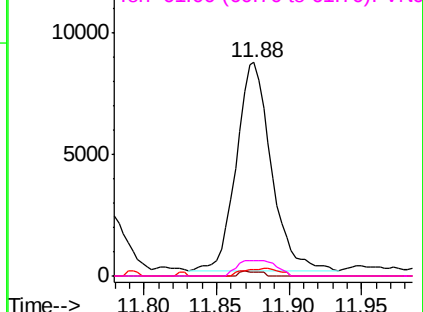
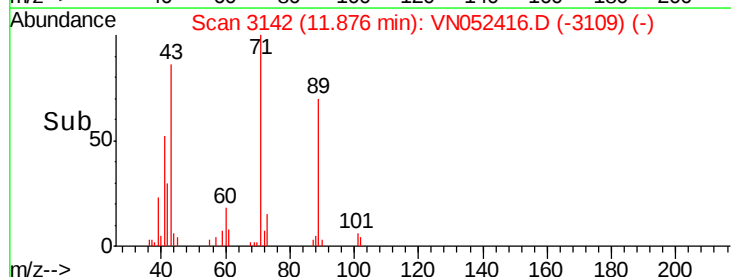
Abundance

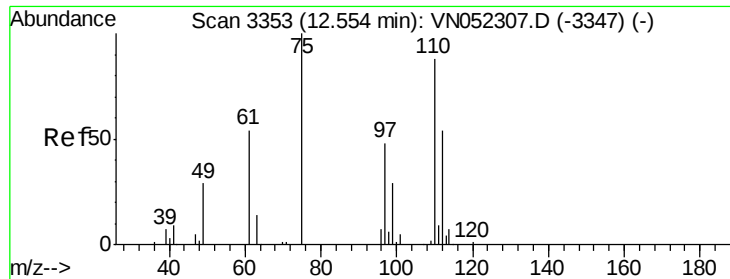
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

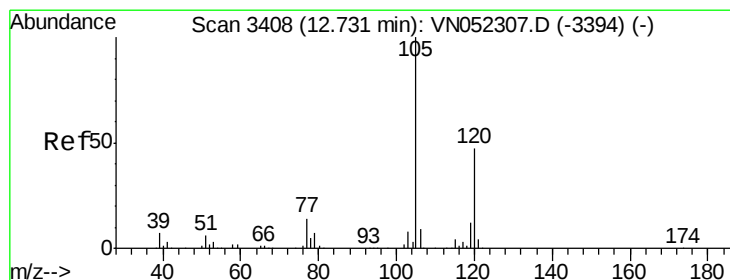
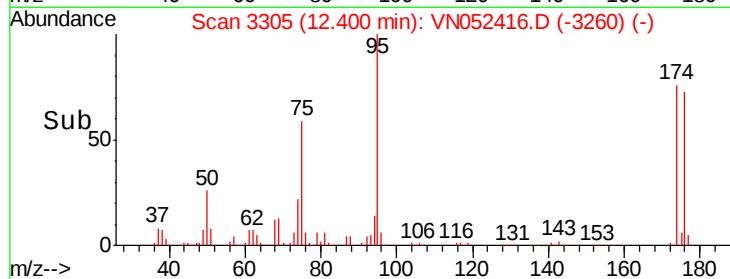
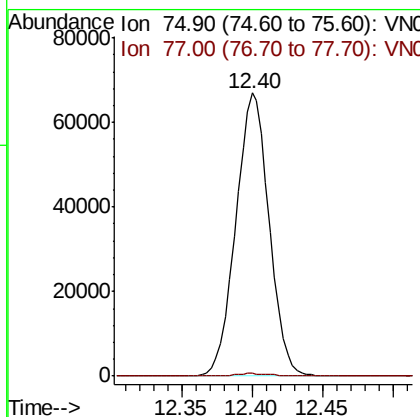
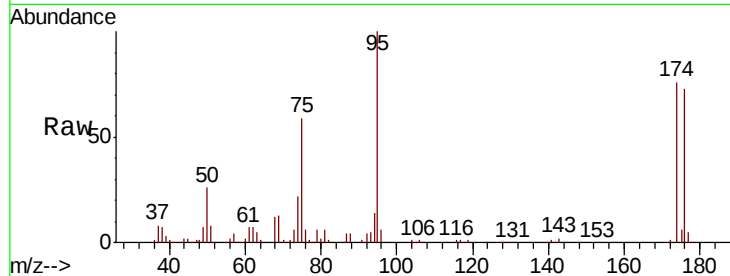




#76
 1,2,3-Trichloropropane
 Concen: 43.343 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052416.D
 Acq: 20 Nov 2018 19:05

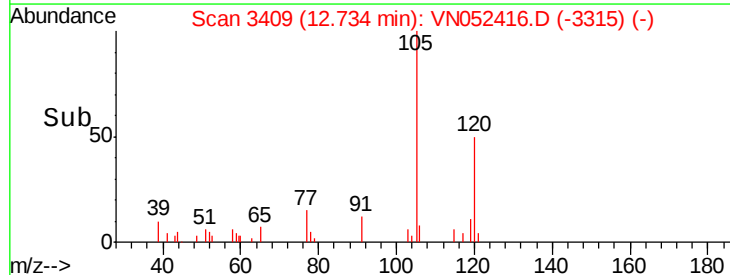
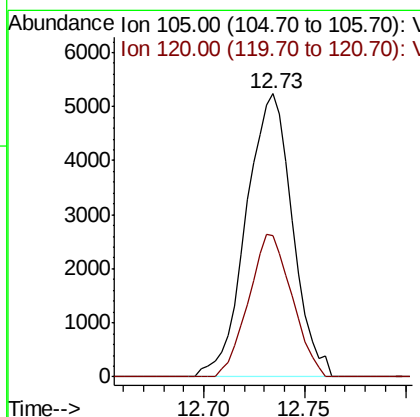
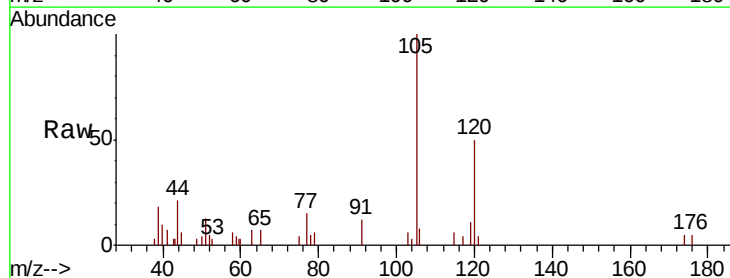
Instrument :
 MSVOA_N
 ClientSampleId :

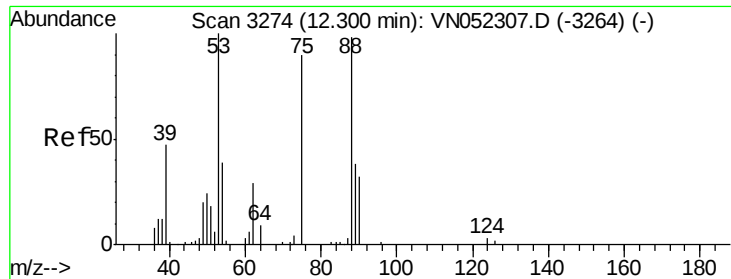
Tot Ion: 75 Resp: 110549
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.875 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052416.D
 Acq: 20 Nov 2018 19:05

Tgt Ion:105 Resp: 8414
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 140.578 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052416.D

Acq: 20 Nov 2018 19:05

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 110549

Ion Ratio Lower Upper

75 100

53 0.0 90.2 135.2#

89 0.0 35.4 53.0#

