

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102618\
 Data File : VN052036.D
 Acq On : 26 Oct 2018 18:47
 Operator : MD\SY
 Sample : J5683-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-SAMPLE

Quant Time: Oct 26 23:26:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1145279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1654677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1602456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	753028	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	574204	56.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.58%	
35) Dibromofluoromethane	7.59	113	614820	58.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.46%	
50) Toluene-d8	10.09	98	2279894	59.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.50%	
62) 4-Bromofluorobenzene	12.40	95	738079	56.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.56%	

Target Compounds

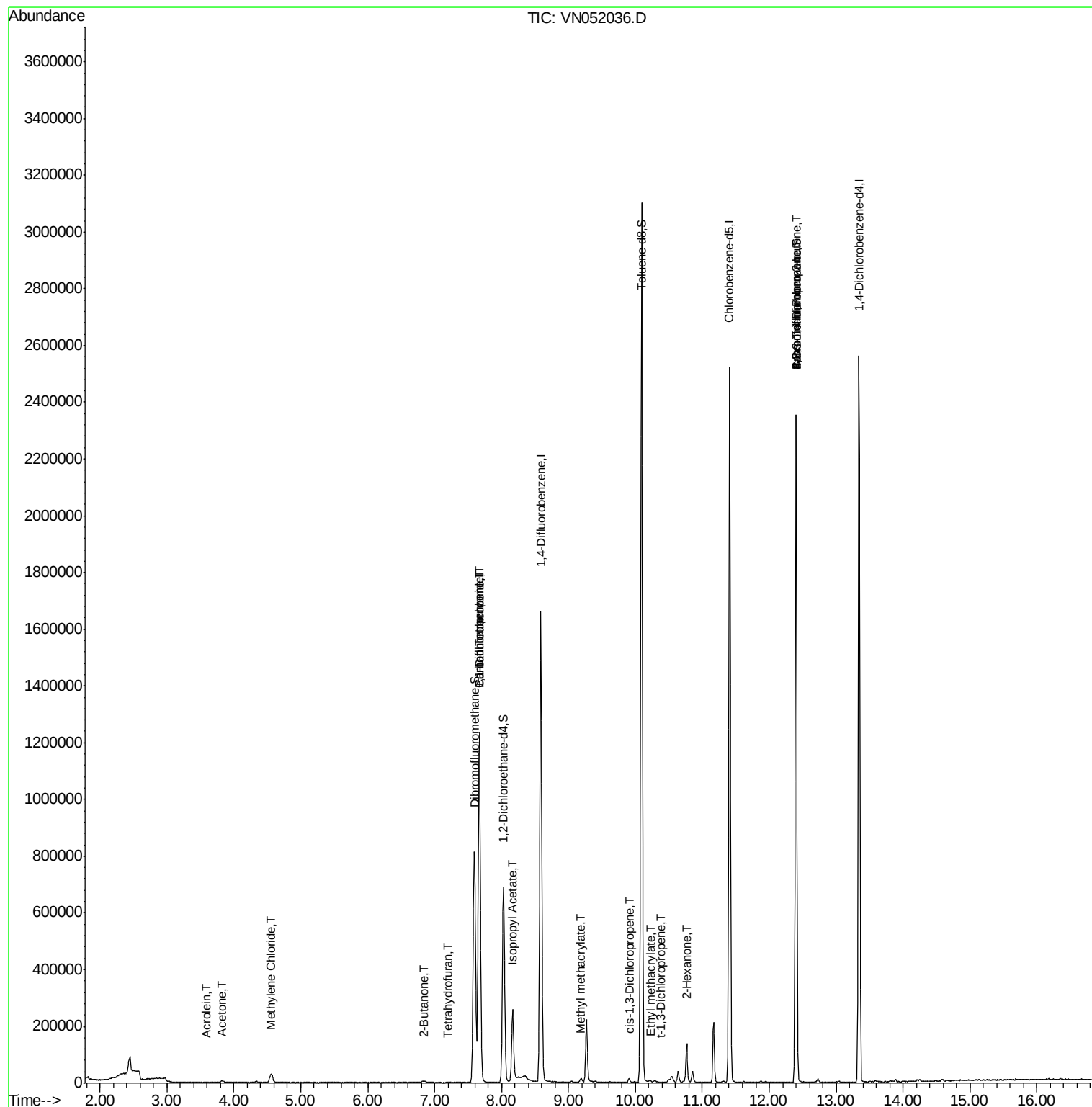
					Qvalue	
13) Acrolein	3.59	56	31	37.359	ug/l #	1
16) Acetone	3.82	43	10755	6.400	ug/l	95
18) Methyl Acetate	4.34	43	6769	Below Cal	#	73
20) Methylene Chloride	4.56	84	26445	2.682	ug/l	98
25) 2-Butanone	6.84	43	1804	0.753	ug/l #	84
29) Tetrahydrofuran	7.20	42	491	0.302	ug/l #	65
31) Cyclohexane	7.67	56	16442	Below Cal	#	30
36) 1,1-Dichloropropene	7.67	75	61902	4.877	ug/l #	48
37) Ethyl Acetate	6.93	43	310	Below Cal	#	64
38) Carbon Tetrachloride	7.67	117	99785	6.848	ug/l #	16
43) Isopropyl Acetate	8.17	43	287651	27.060	ug/l	98
48) Methyl methacrylate	9.18	41	6877	1.338	ug/l #	8
53) t-1,3-Dichloropropene	10.38	75	66	1.249	ug/l #	74
54) cis-1,3-Dichloropropene	9.90	75	2807	0.207	ug/l #	71
56) Ethyl methacrylate	10.23	69	2736	0.270	ug/l #	83
59) 2-Hexanone	10.76	43	17623	4.486	ug/l #	53
71) Bromoform	12.40	173	6485	4.391	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	356044	45.774	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	356044	144.034	ug/l #	12

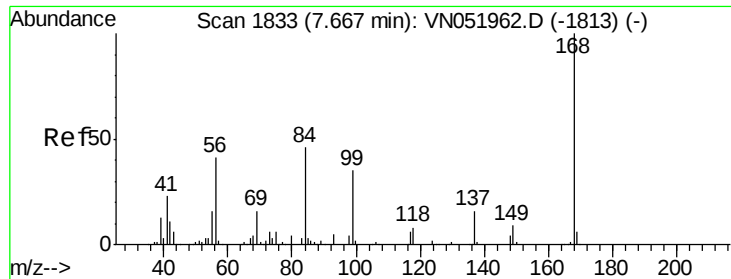
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 24 10:12:55 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: VN052036.D

Acq: 26 Oct 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

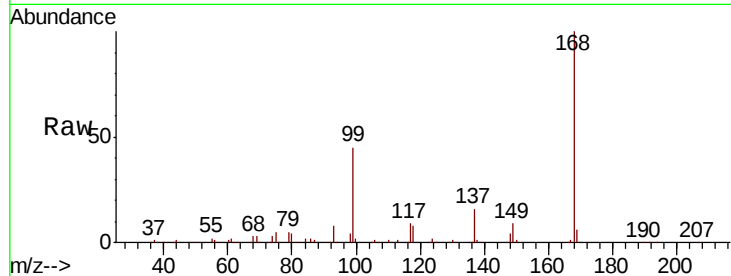
SP-SAMPLE

Tot Ion:168 Resp: 1145279

Ion Ratio Lower Upper

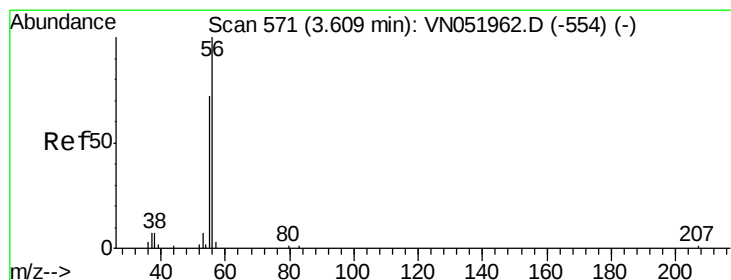
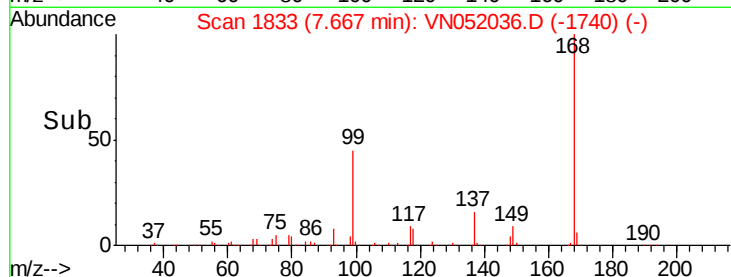
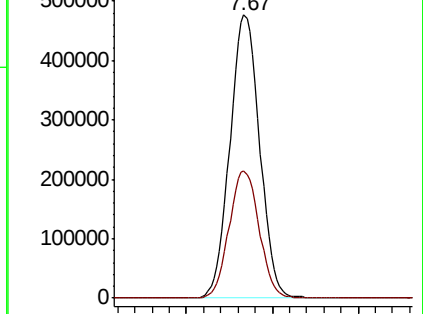
168 100

99 44.8 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): VN052036.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052036.D (-1740) (-)



#13

Acrolein

Concen: 37.359 ug/l

RT: 3.59 min Scan# 565

Delta R.T. -0.02 min

Lab File: VN052036.D

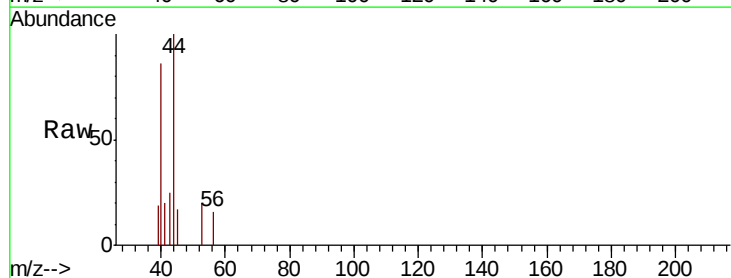
Acq: 26 Oct 2018 18:47

Tgt Ion: 56 Resp: 31

Ion Ratio Lower Upper

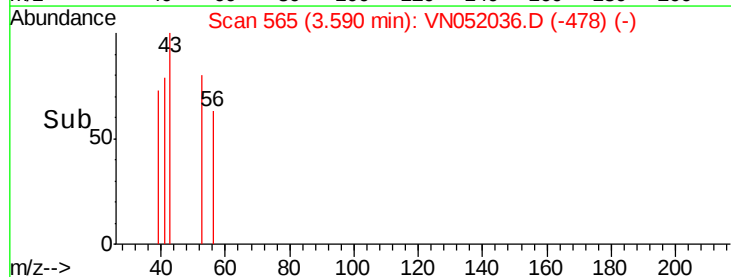
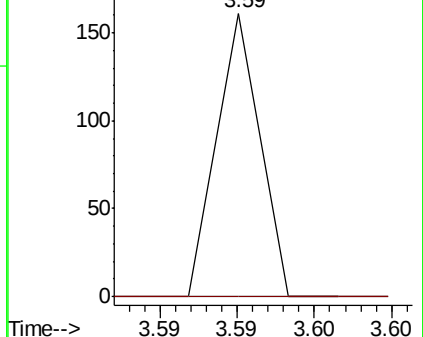
56 100

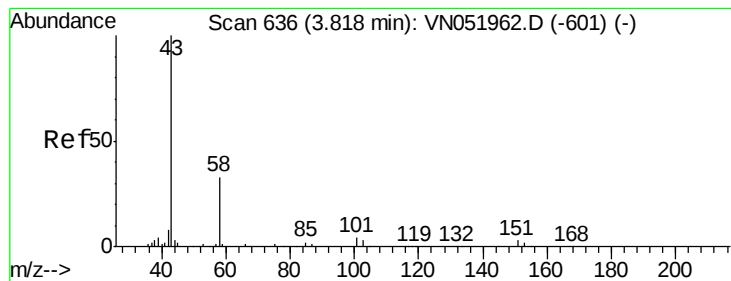
55 329.0 56.6 84.8#



Abundance Ion 56.00 (55.70 to 56.70): VN052036.D (-478) (-)

Ion 55.00 (54.70 to 55.70): VN052036.D (-478) (-)





#16

Acetone

Concen: 6.400 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN052036.D

Acq: 26 Oct 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

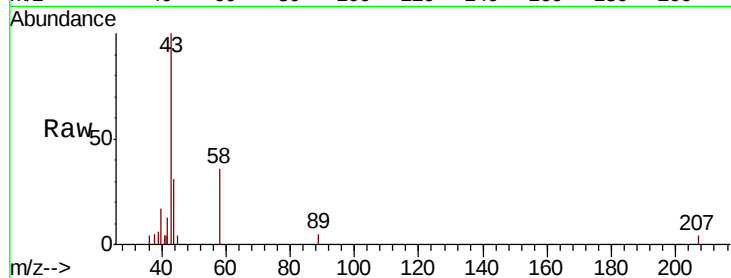
SP-SAMPLE

Tot Ion: 43 Resp: 10755

Ion Ratio Lower Upper

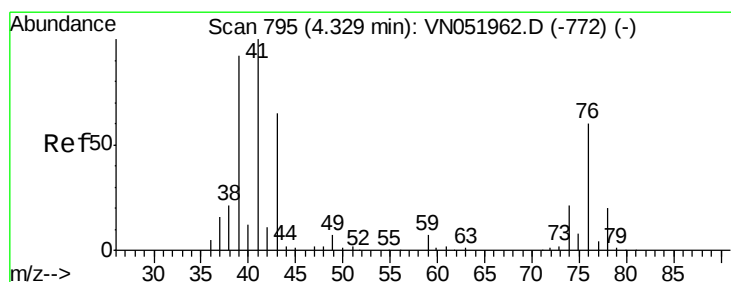
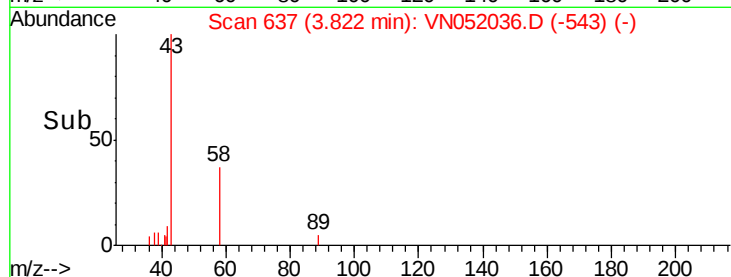
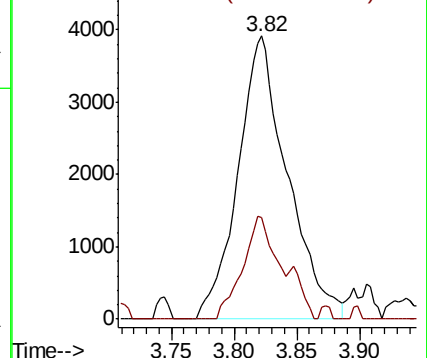
43 100

58 36.0 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN052036.D

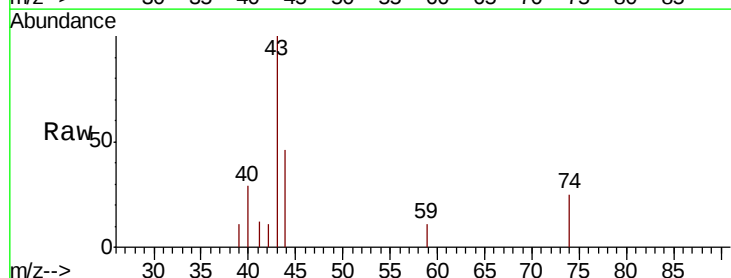
Acq: 26 Oct 2018 18:47

Tgt Ion: 43 Resp: 6769

Ion Ratio Lower Upper

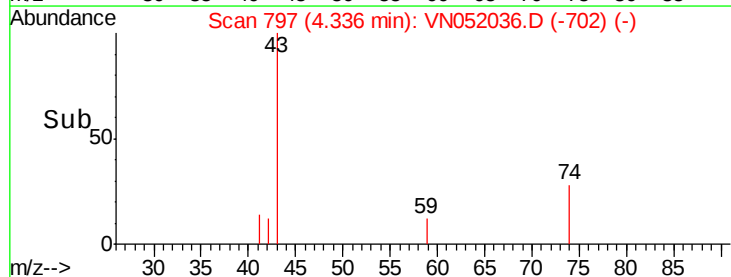
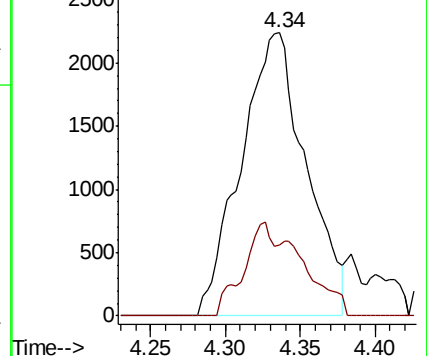
43 100

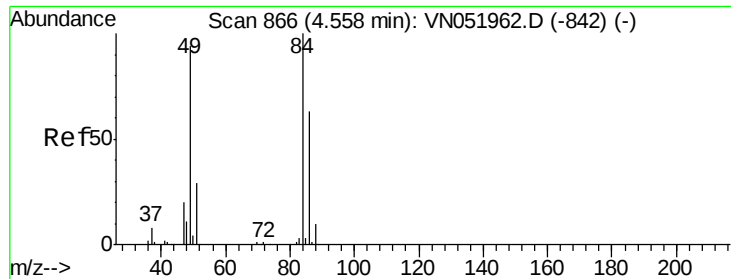
74 16.8 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

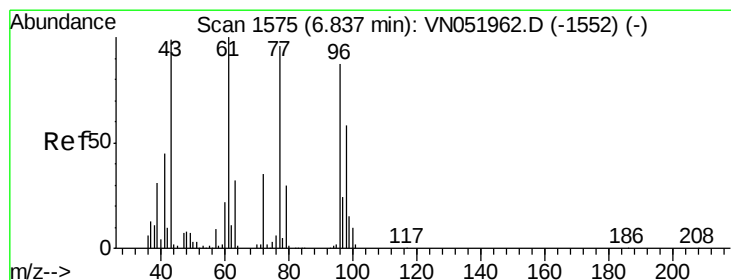
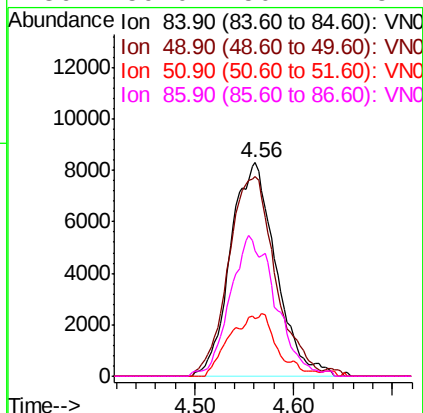
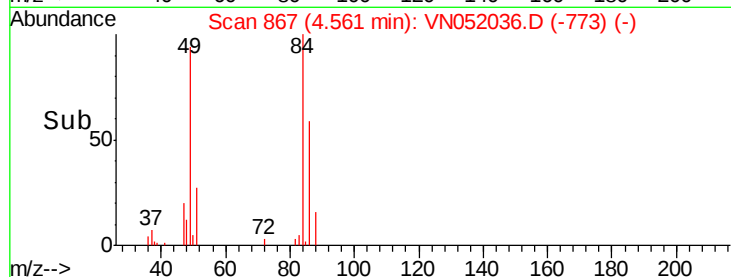
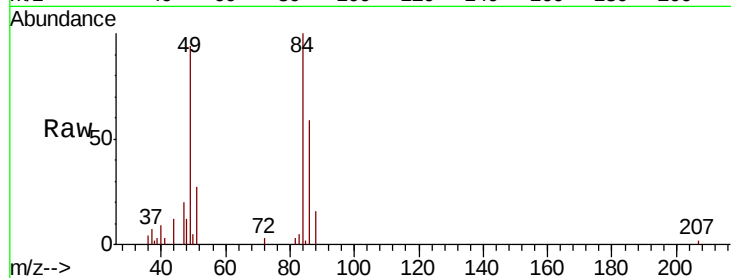




#20
Methvlene Chloride
Concen: 2.682 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.00 min
Lab File: VN052036.D
Acq: 26 Oct 2018 18:47

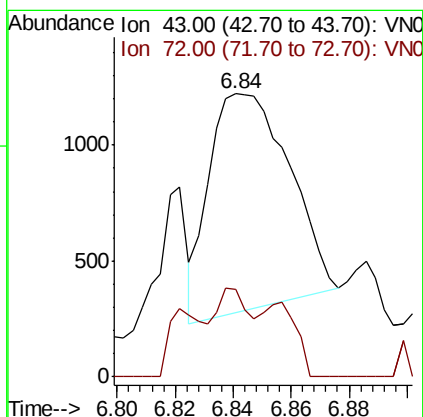
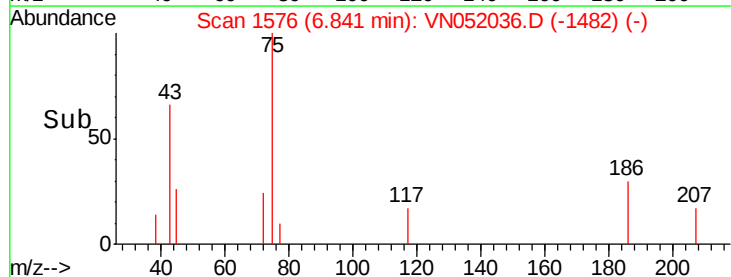
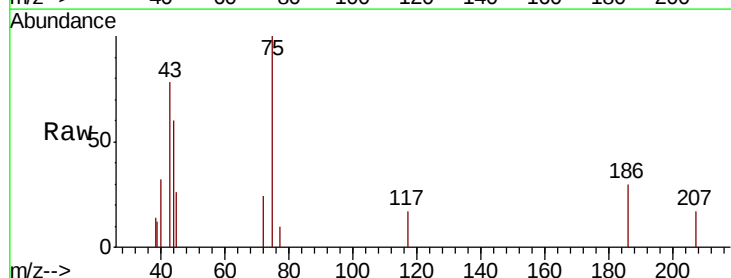
Instrument :
MSVOA_N
ClientSampled :
SP-SAMPLE

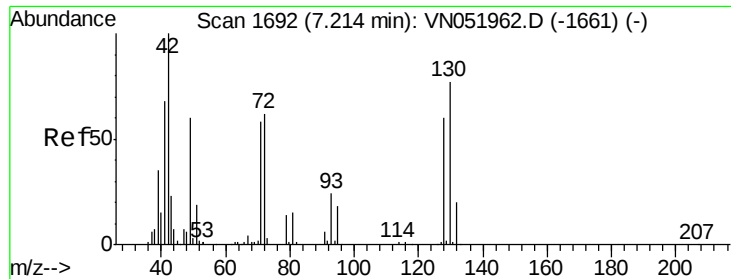
Tot Ion: 84 Resp: 26445
Ion Ratio Lower Upper
84 100
49 93.8 75.4 113.0
51 27.1 23.1 34.7
86 59.0 50.2 75.4



#25
2-Butanone
Concen: 0.753 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN052036.D
Acq: 26 Oct 2018 18:47

Tgt Ion: 43 Resp: 1804
Ion Ratio Lower Upper
43 100
72 45.1 28.5 42.7#





#29

Tetrahydrofuran

Concen: 0.302 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VN052036.D

Acq: 26 Oct 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

SP-SAMPLE

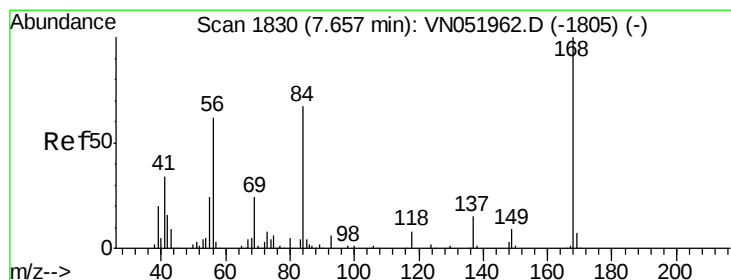
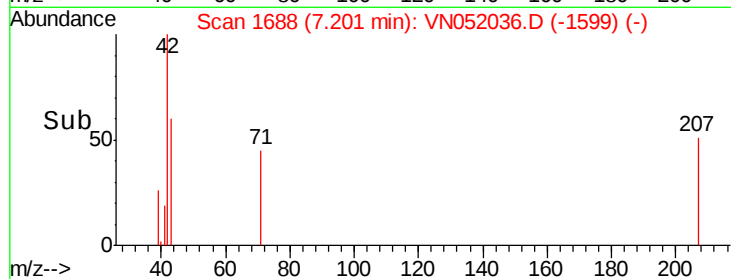
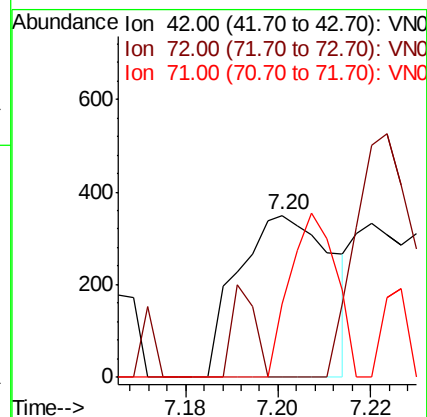
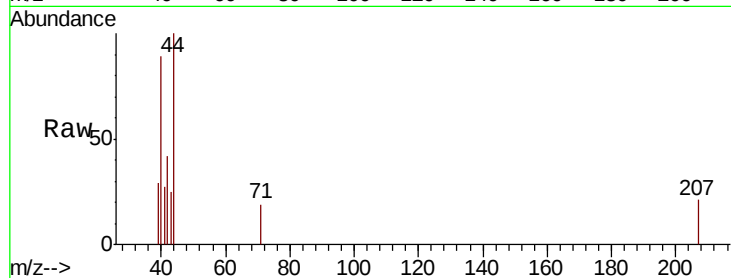
Tot Ion: 42 Resp: 491

Ion Ratio Lower Upper

42 100

72 13.8 47.5 71.3#

71 50.1 45.4 68.2



#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VN052036.D

Acq: 26 Oct 2018 18:47

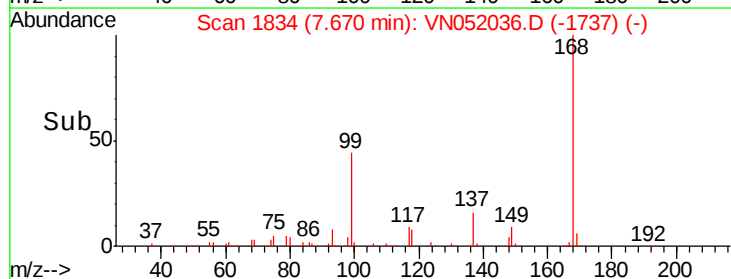
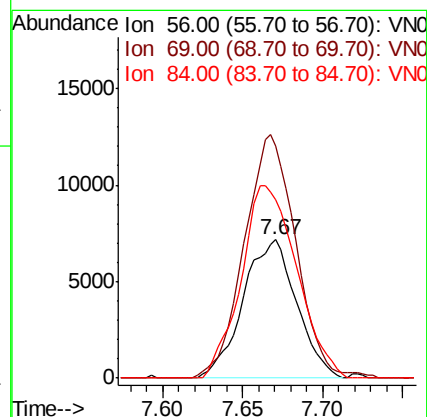
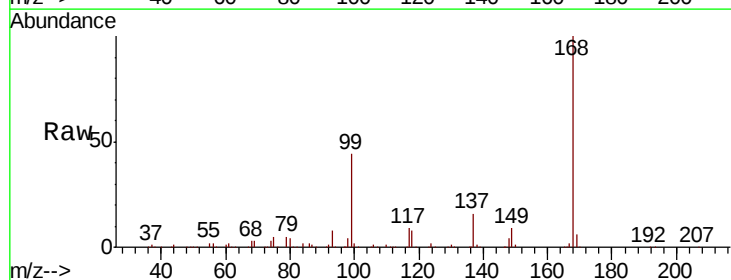
Tgt Ion: 56 Resp: 16442

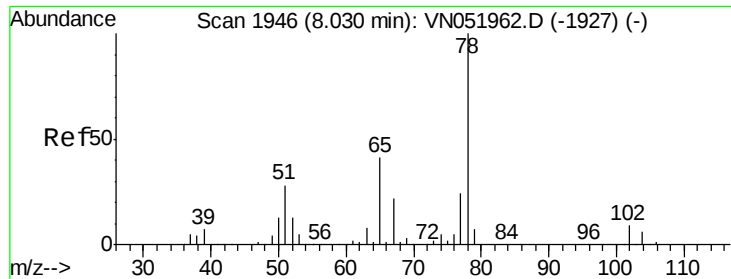
Ion Ratio Lower Upper

56 100

69 167.1 31.2 46.8#

84 128.6 86.3 129.5

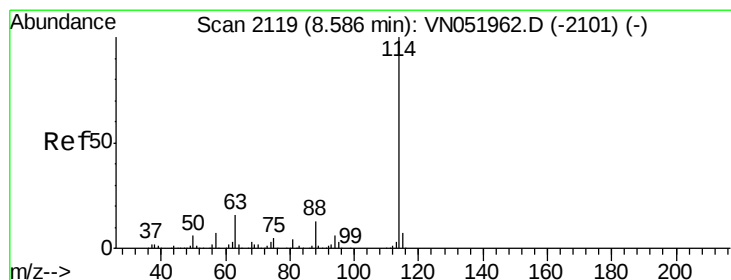
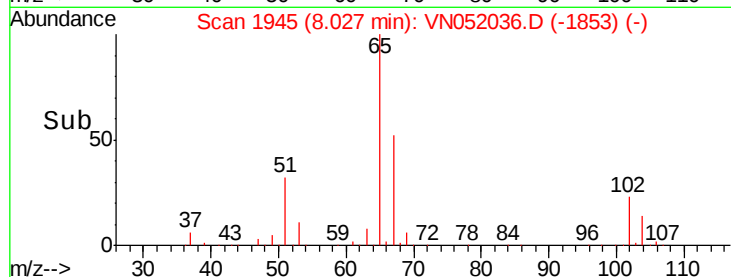
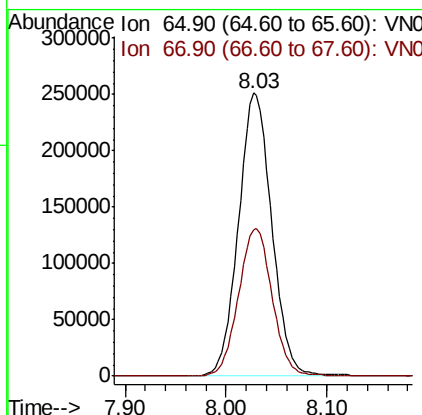
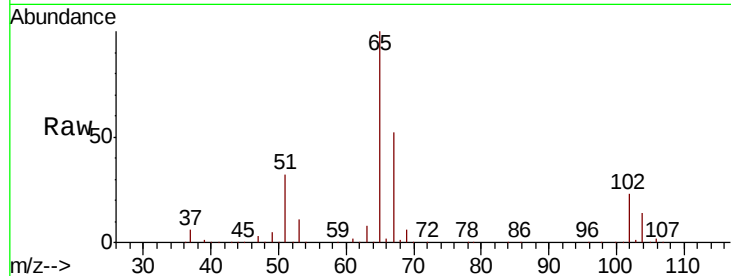




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052036.D
 Acq: 26 Oct 2018 18:47

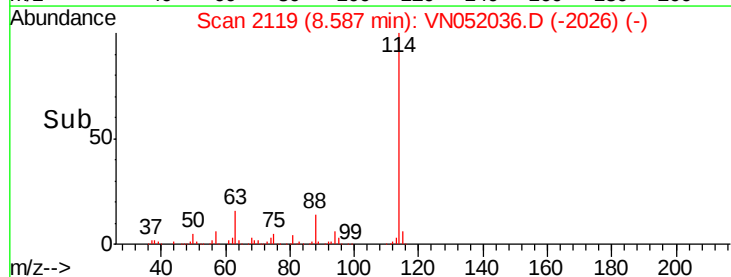
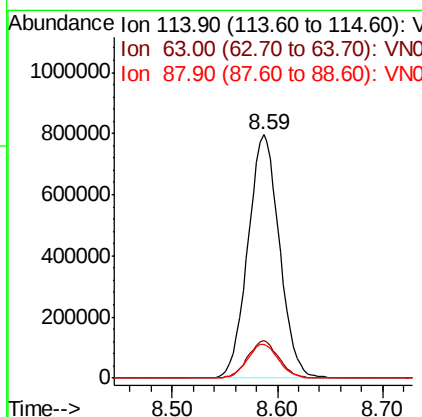
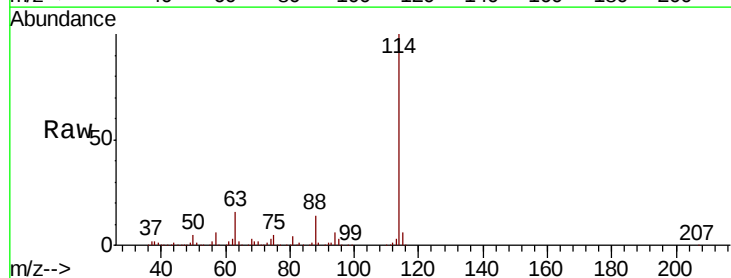
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-SAMPLE

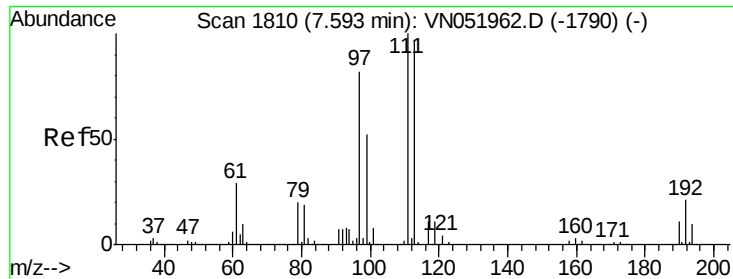
Tot Ion: 65 Resp: 574204
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052036.D
 Acq: 26 Oct 2018 18:47

Tgt Ion: 114 Resp: 1654677
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 31.2
 88 14.1 0.0 27.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052036.D

Acq: 26 Oct 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

SP-SAMPLE

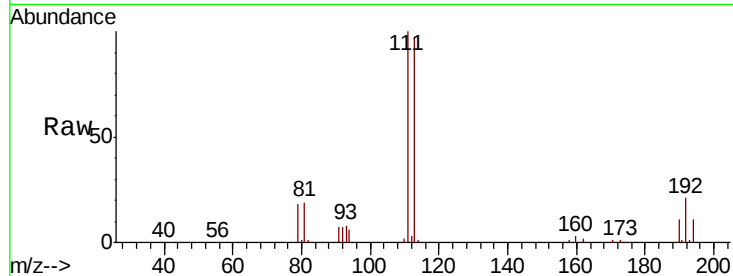
Tot Ion:113 Resp: 614820

Ion Ratio Lower Upper

113 100

111 102.0 80.7 121.1

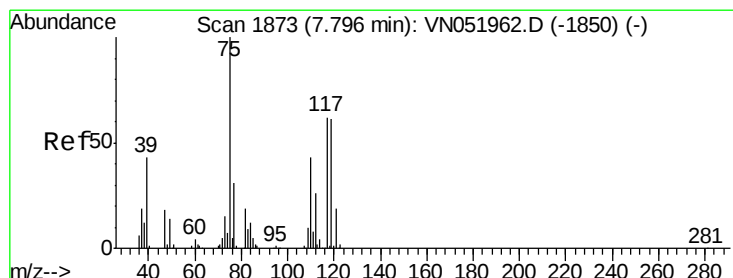
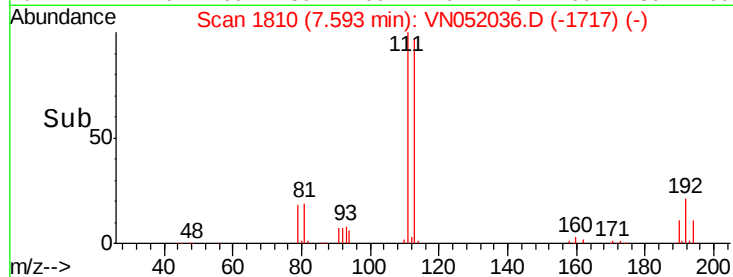
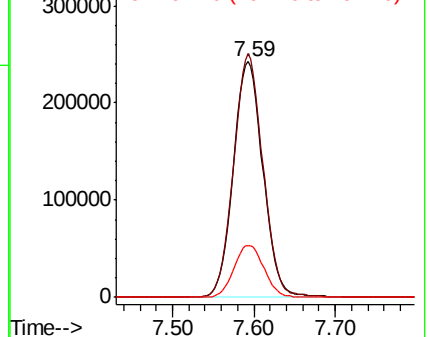
192 22.3 17.2 25.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.877 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052036.D

Acq: 26 Oct 2018 18:47

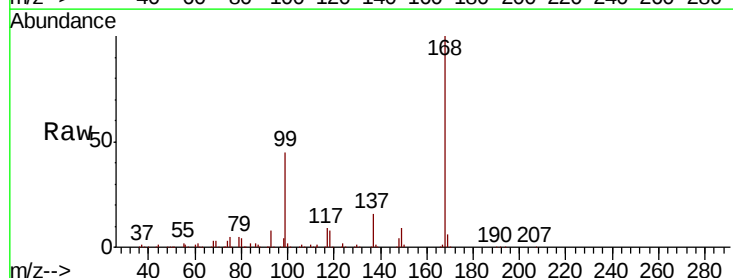
Tgt Ion: 75 Resp: 61902

Ion Ratio Lower Upper

75 100

110 11.0 20.9 62.8#

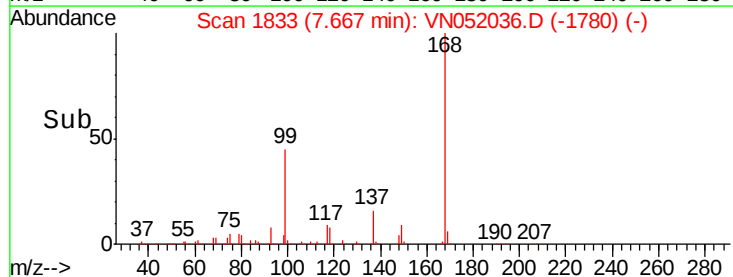
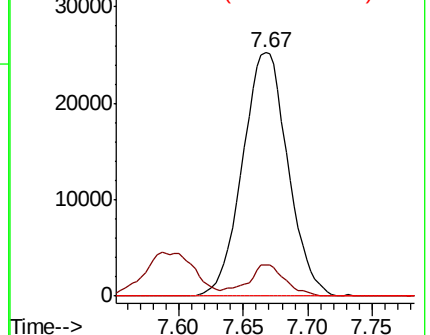
77 0.0 24.9 37.3#

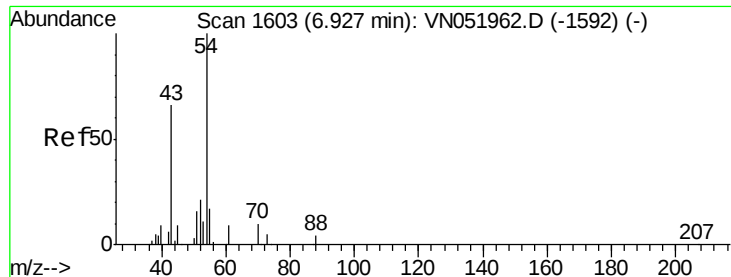


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: Below Cal

RT: 6.93 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VN052036.D

Acq: 26 Oct 2018 18:47

Instrument :

MSVOA_N

ClientSampled :

SP-SAMPLE

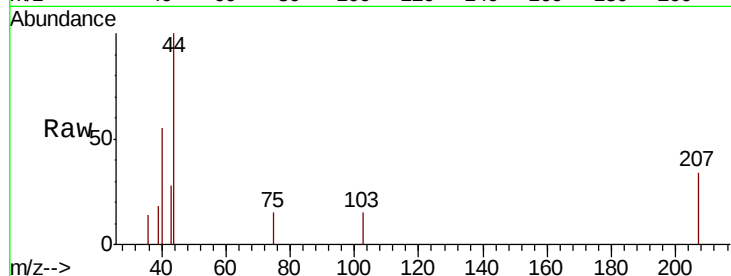
Tot Ion: 43 Resp: 310

Ion Ratio Lower Upper

43 100

61 0.0 13.5 20.3#

70 0.0 9.8 14.6#

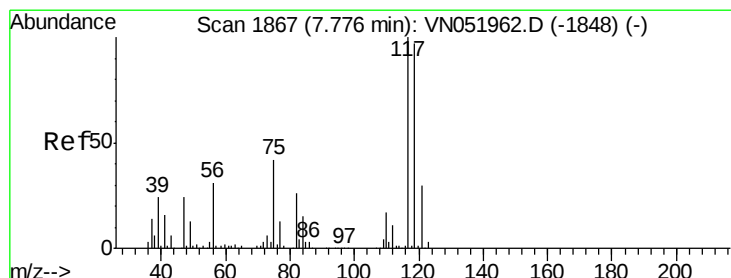
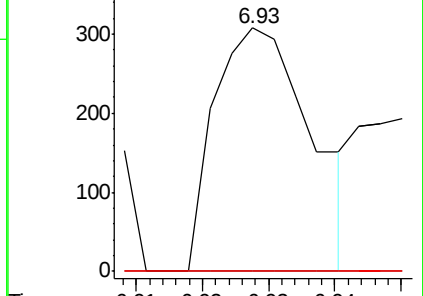
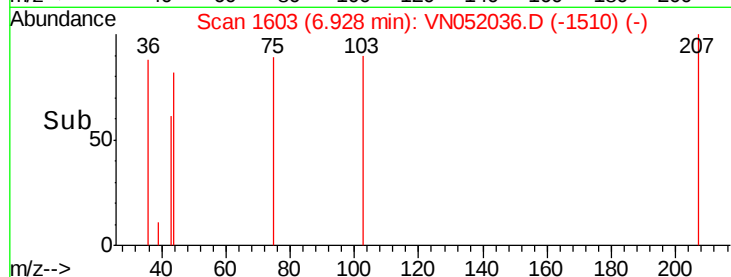


Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1592) (-)

Ion 60.90 (60.60 to 61.60): VN051962.D (-1592) (-)

Ion 70.00 (69.70 to 70.70): VN051962.D (-1592) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.848 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052036.D

Acq: 26 Oct 2018 18:47

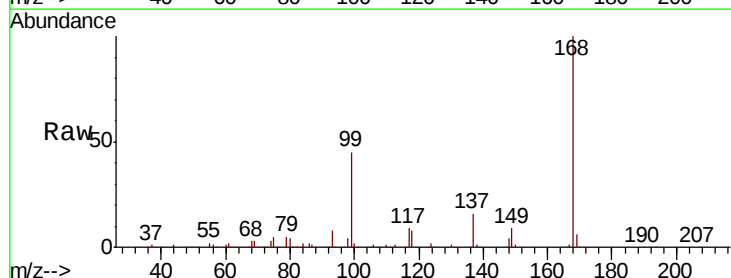
Tgt Ion: 117 Resp: 99785

Ion Ratio Lower Upper

117 100

119 5.3 77.4 116.0#

121 0.0 24.2 36.4#

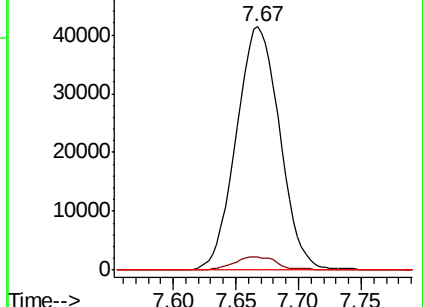
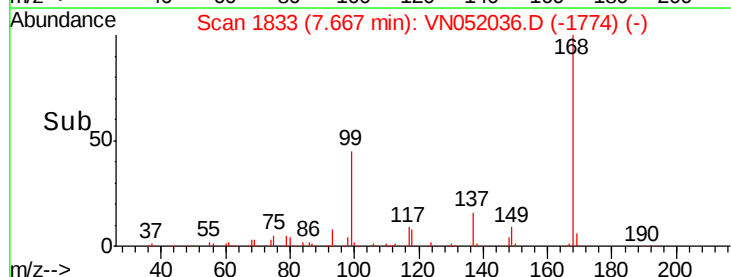


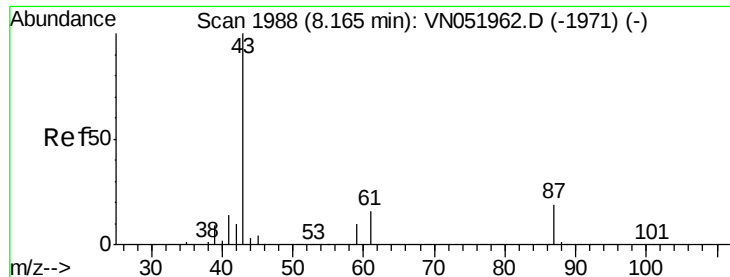
Abundance Ion 116.80 (116.50 to 117.50): VN051962.D (-1848) (-)

Ion 118.80 (118.50 to 119.50): VN051962.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN051962.D (-1848) (-)

Time-->





#43

Isopropyl Acetate

Concen: 27.060 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052036.D

Acq: 26 Oct 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

SP-SAMPLE

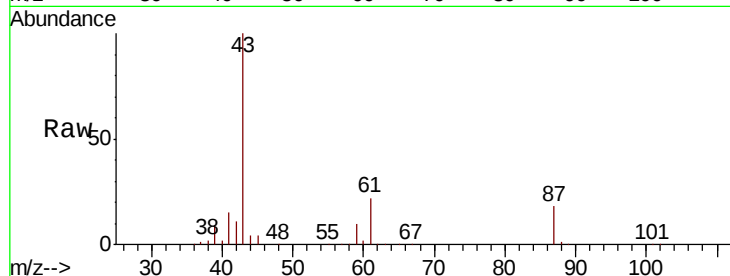
Tot Ion: 43 Resp: 287651

Ion Ratio Lower Upper

43 100

61 20.8 17.2 25.8

87 17.8 15.2 22.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

150000

100000

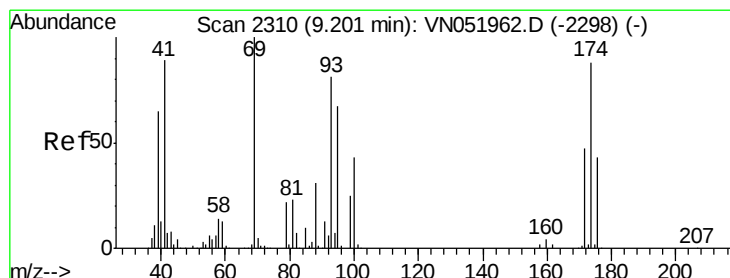
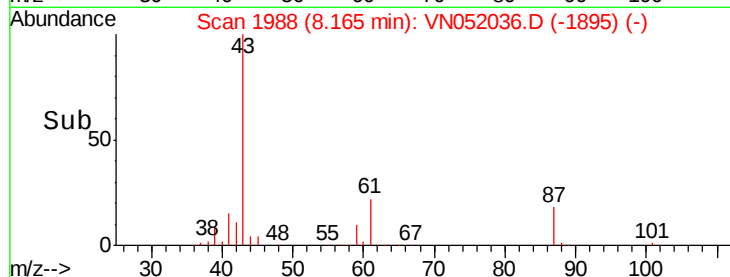
50000

0

8.17

8.05 8.10 8.15 8.20 8.25

Time-->



#48

Methyl methacrylate

Concen: 1.338 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN052036.D

Acq: 26 Oct 2018 18:47

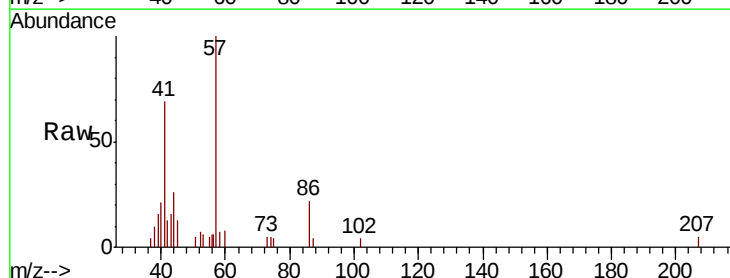
Tgt Ion: 41 Resp: 6877

Ion Ratio Lower Upper

41 100

69 0.0 92.2 138.4#

39 14.6 60.2 90.4#



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

15000

10000

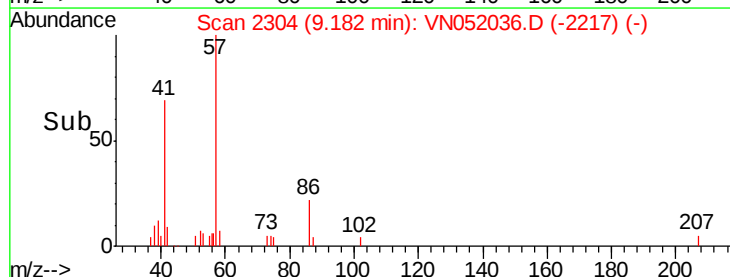
5000

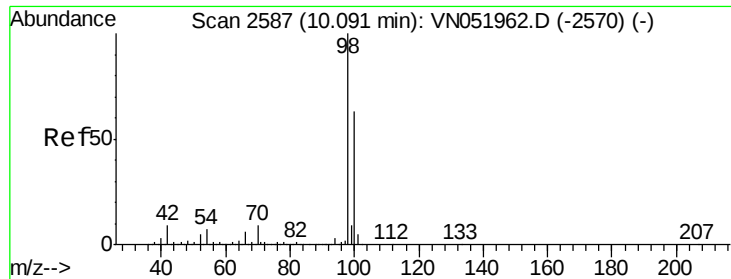
0

9.18

9.10 9.15 9.20 9.25

Time-->





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052036.D

Acq: 26 Oct 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

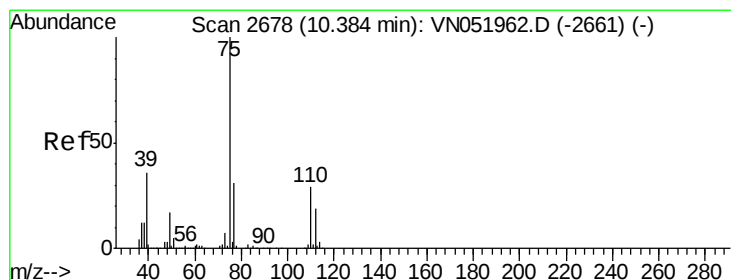
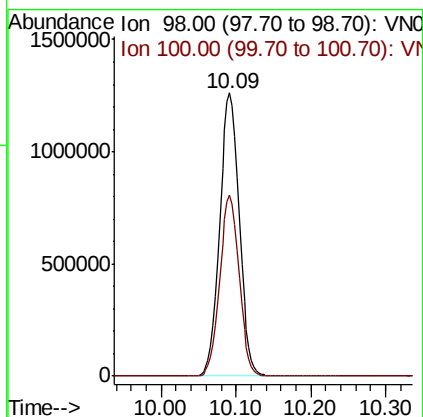
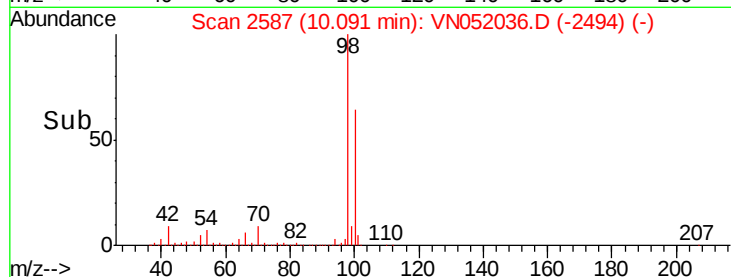
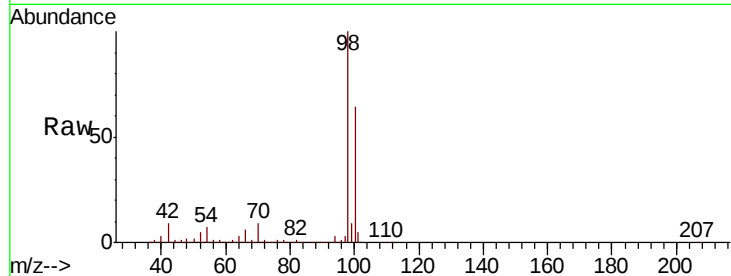
SP-SAMPLE

Tot Ion: 98 Resp: 2279894

Ion Ratio Lower Upper

98 100

100 63.3 50.7 76.1



#53

t-1,3-Dichloropropene

Concen: 1.249 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052036.D

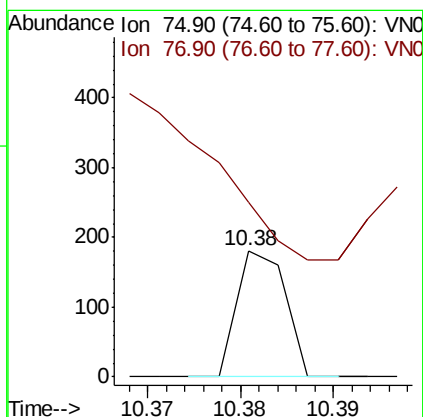
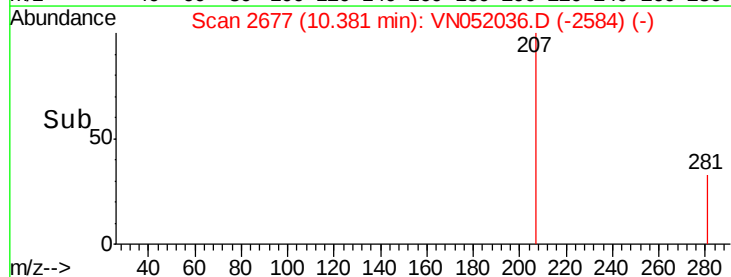
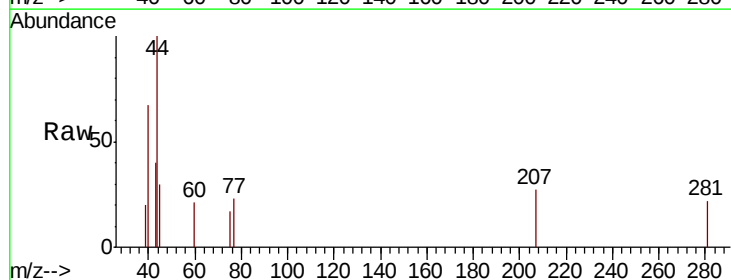
Acq: 26 Oct 2018 18:47

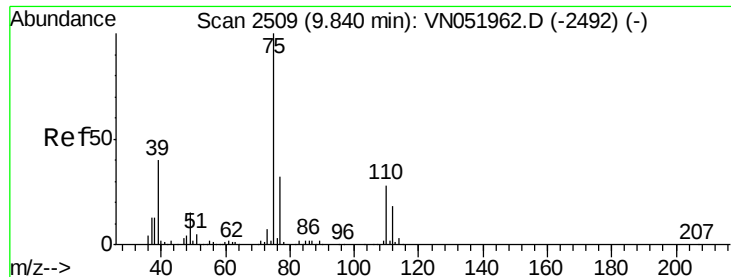
Tgt Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

77 45.3 25.0 37.4#





#54

cis-1,3-Dichloropropene

Concen: 0.207 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052036.D

Acq: 26 Oct 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

SP-SAMPLE

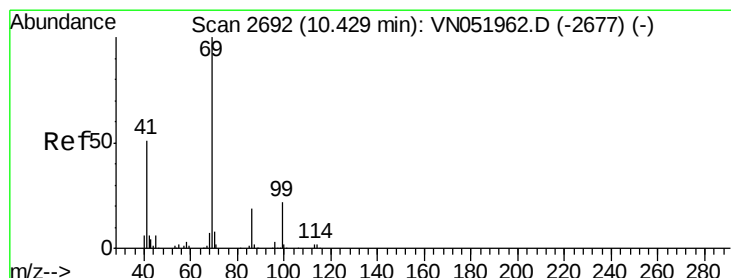
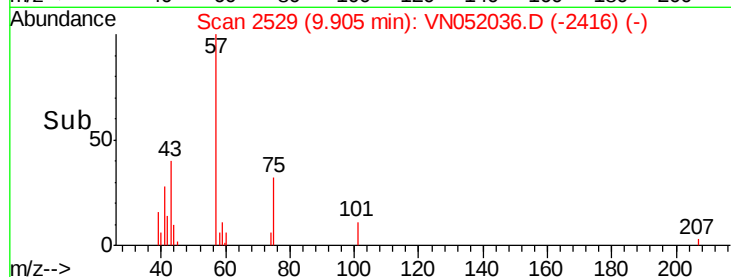
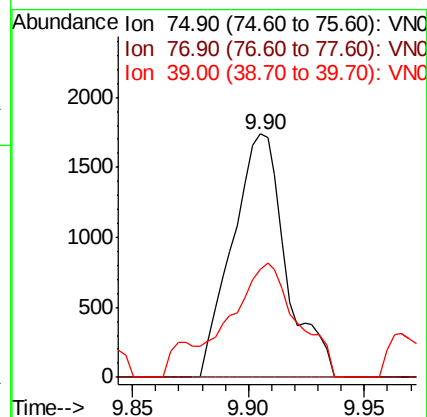
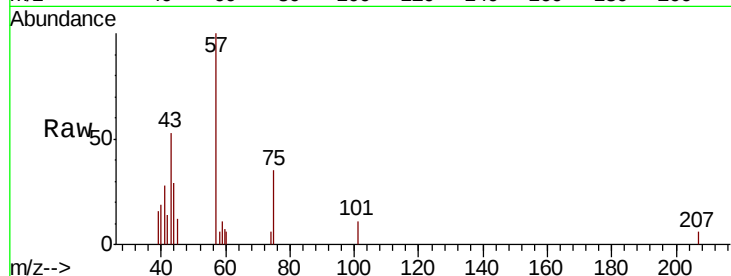
Tot Ion: 75 Resp: 2807

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

39 44.5 32.0 48.0



#56

Ethyl methacrylate

Concen: 0.270 ug/l

RT: 10.23 min Scan# 2629

Delta R.T. -0.20 min

Lab File: VN052036.D

Acq: 26 Oct 2018 18:47

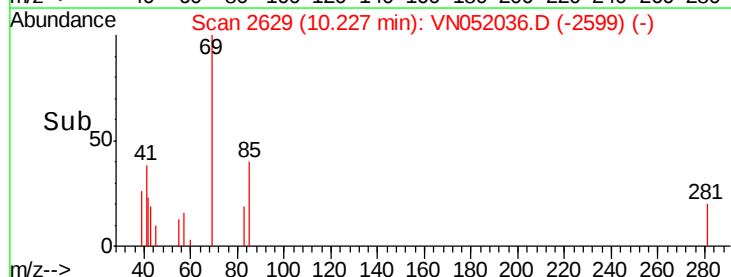
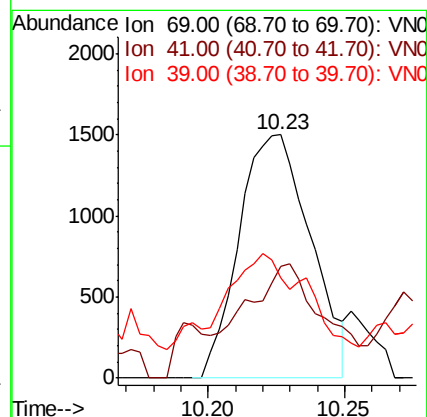
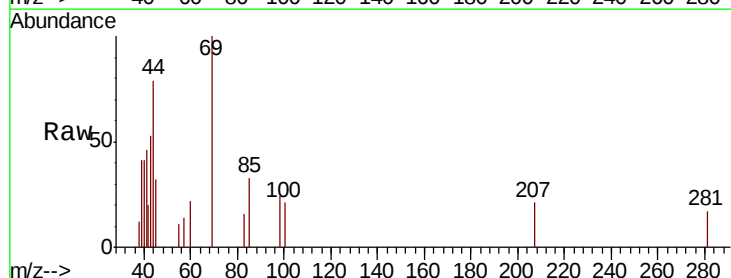
Tgt Ion: 69 Resp: 2736

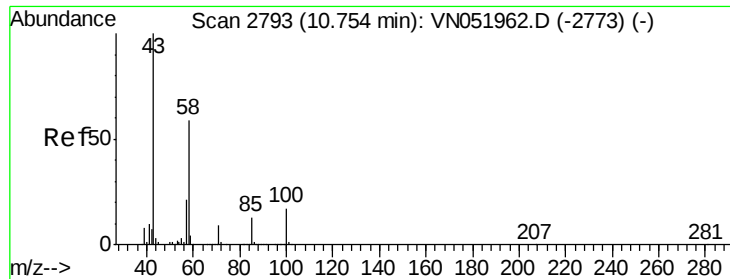
Ion Ratio Lower Upper

69 100

41 33.9 40.7 61.1#

39 32.6 29.3 43.9

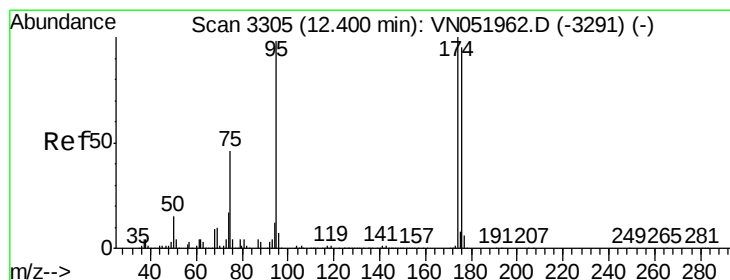
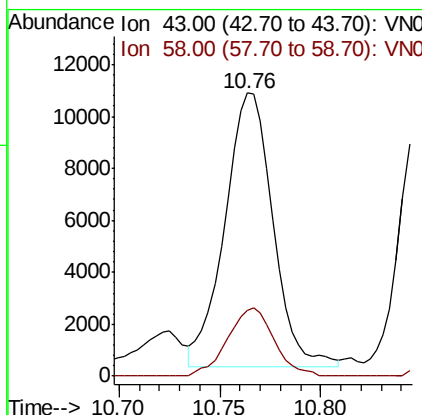
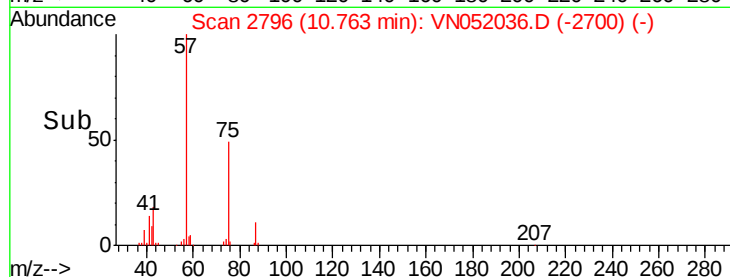
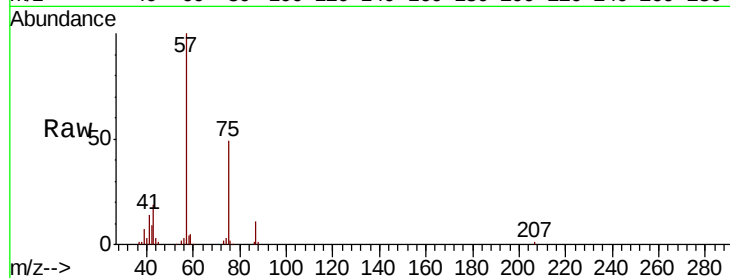




#59
2-Hexanone
Concen: 4.486 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052036.D
Acq: 26 Oct 2018 18:47

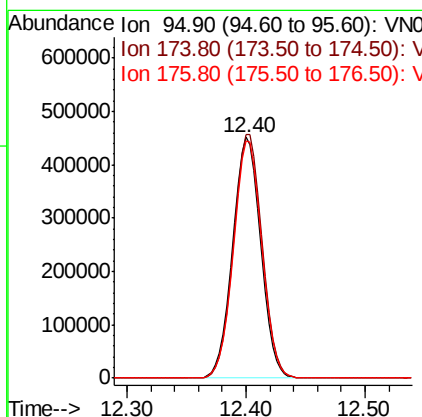
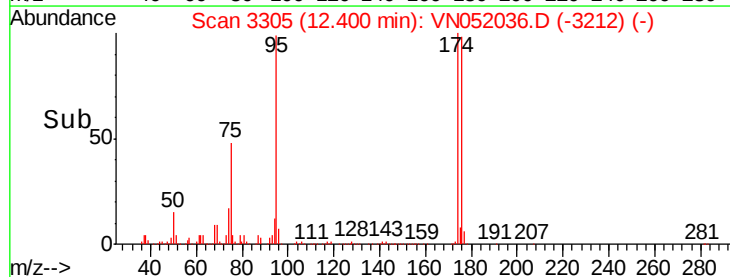
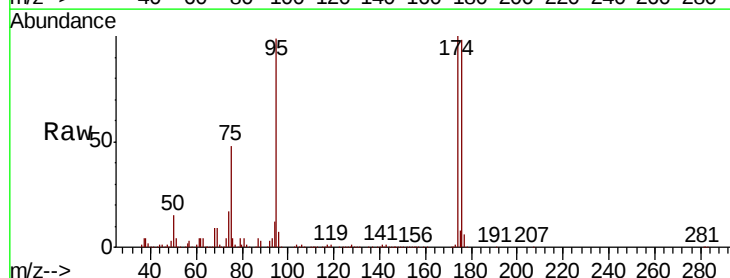
Instrument :
MSVOA_N
ClientSampled :
SP-SAMPLE

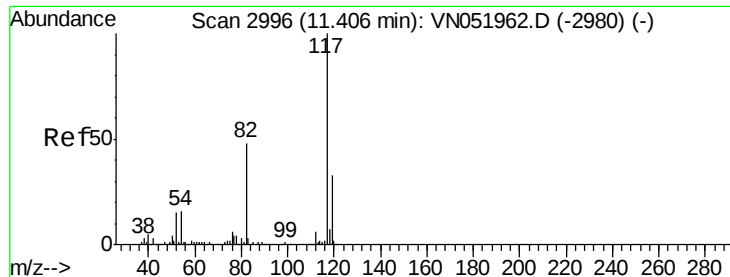
Tot Ion: 43 Resp: 17623
Ion Ratio Lower Upper
43 100
58 24.1 29.9 89.8#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052036.D
Acq: 26 Oct 2018 18:47

Tgt Ion: 95 Resp: 738079
Ion Ratio Lower Upper
95 100
174 103.2 0.0 206.0
176 99.4 0.0 198.0

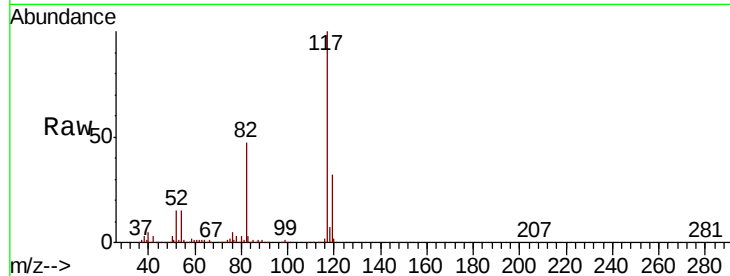




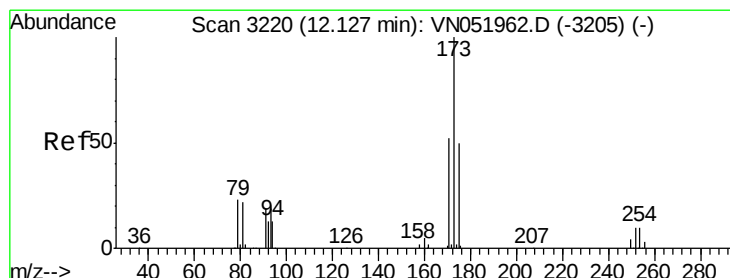
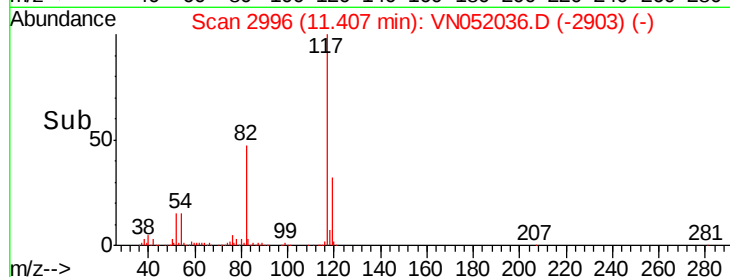
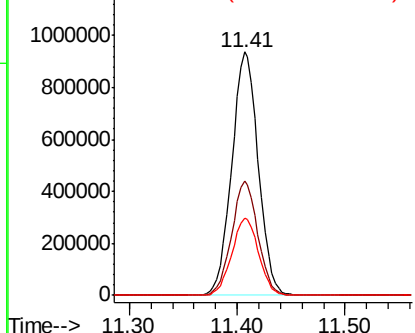
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052036.D
Acq: 26 Oct 2018 18:47

Instrument :
MSVOA_N
ClientSampleId :
SP-SAMPLE

Tot Ion:117 Resp: 1602456
Ion Ratio Lower Upper
117 100
82 47.0 38.1 57.1
119 31.7 26.4 39.6

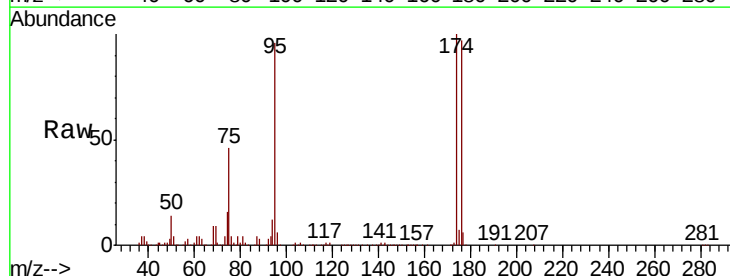


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

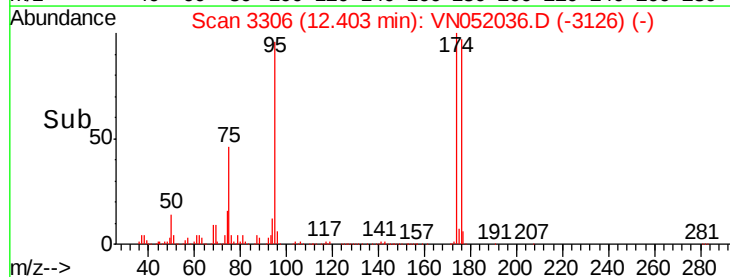
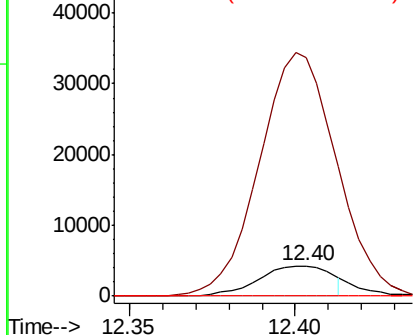


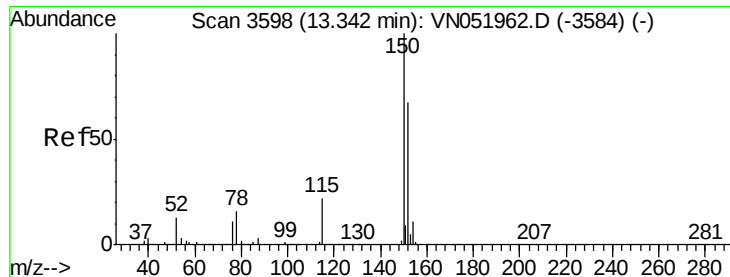
#71
Bromoform
Concen: 4.391 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052036.D
Acq: 26 Oct 2018 18:47

Tgt Ion:173 Resp: 6485
Ion Ratio Lower Upper
173 100
175 769.9 24.6 74.0#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052036.D

Acq: 26 Oct 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

SP-SAMPLE

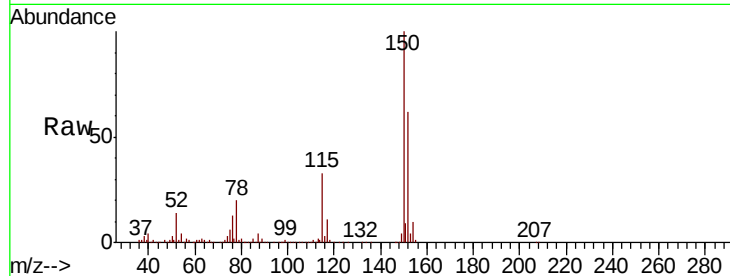
Tot Ion:152 Resp: 753028

Ion Ratio Lower Upper

152 100

115 53.3 25.8 77.3

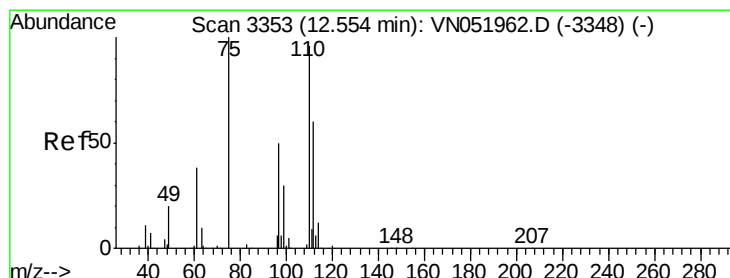
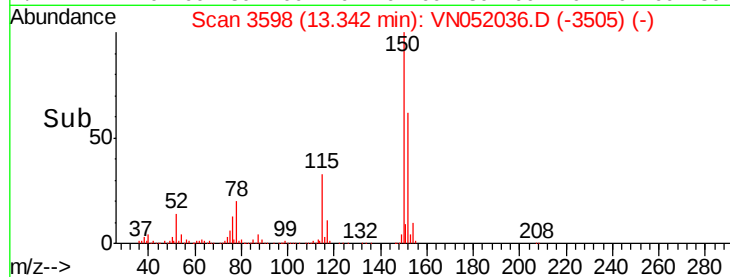
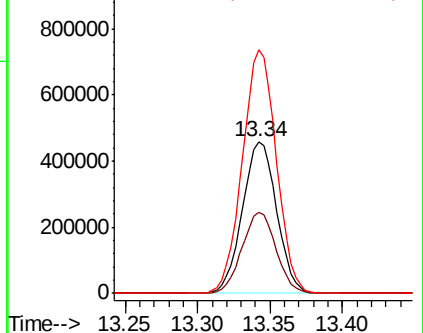
150 159.5 0.0 344.4



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: 45.774 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052036.D

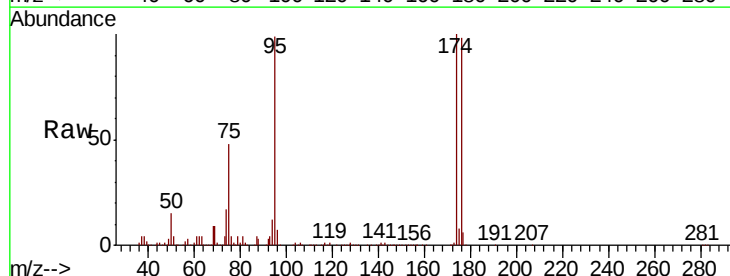
Acq: 26 Oct 2018 18:47

Tgt Ion: 75 Resp: 356044

Ion Ratio Lower Upper

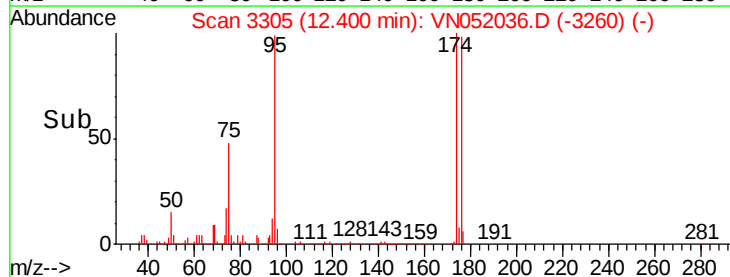
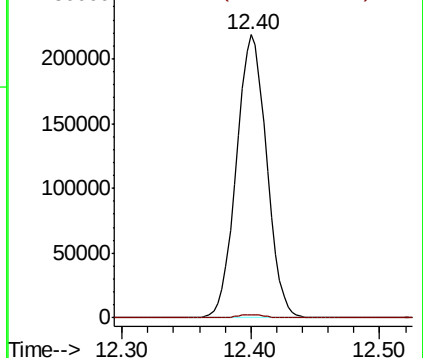
75 100

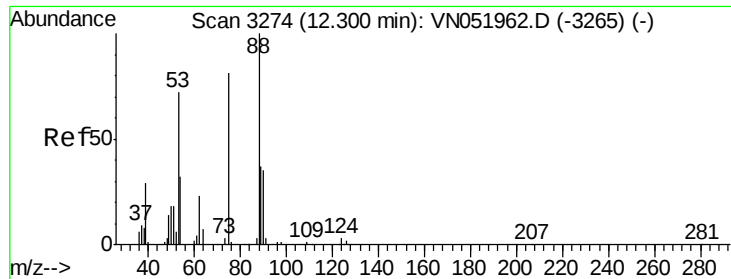
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 144.034 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052036.D

Acq: 26 Oct 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

SP-SAMPLE

Tot Ion: 75 Resp: 356044

Ion Ratio Lower Upper

75 100

53 0.0 73.5 110.3#

89 0.0 41.6 62.4#

