

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
 Data File : VN050050.D
 Acq On : 25 Jul 2018 18:31
 Operator : MD\SY
 Sample : VN0725WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBL02

Quant Time: Jul 26 06:54:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 06:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	620552	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	991141	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	825338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	276157	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	440841	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
35) Dibromofluoromethane	7.60	113	392992	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
50) Toluene-d8	10.09	98	1361743	45.77	ug/l	0.00
Spiked Amount			Recovery	=	91.54%	
62) 4-Bromofluorobenzene	12.41	95	352444	35.98	ug/l	0.00
Spiked Amount			Recovery	=	71.96%	

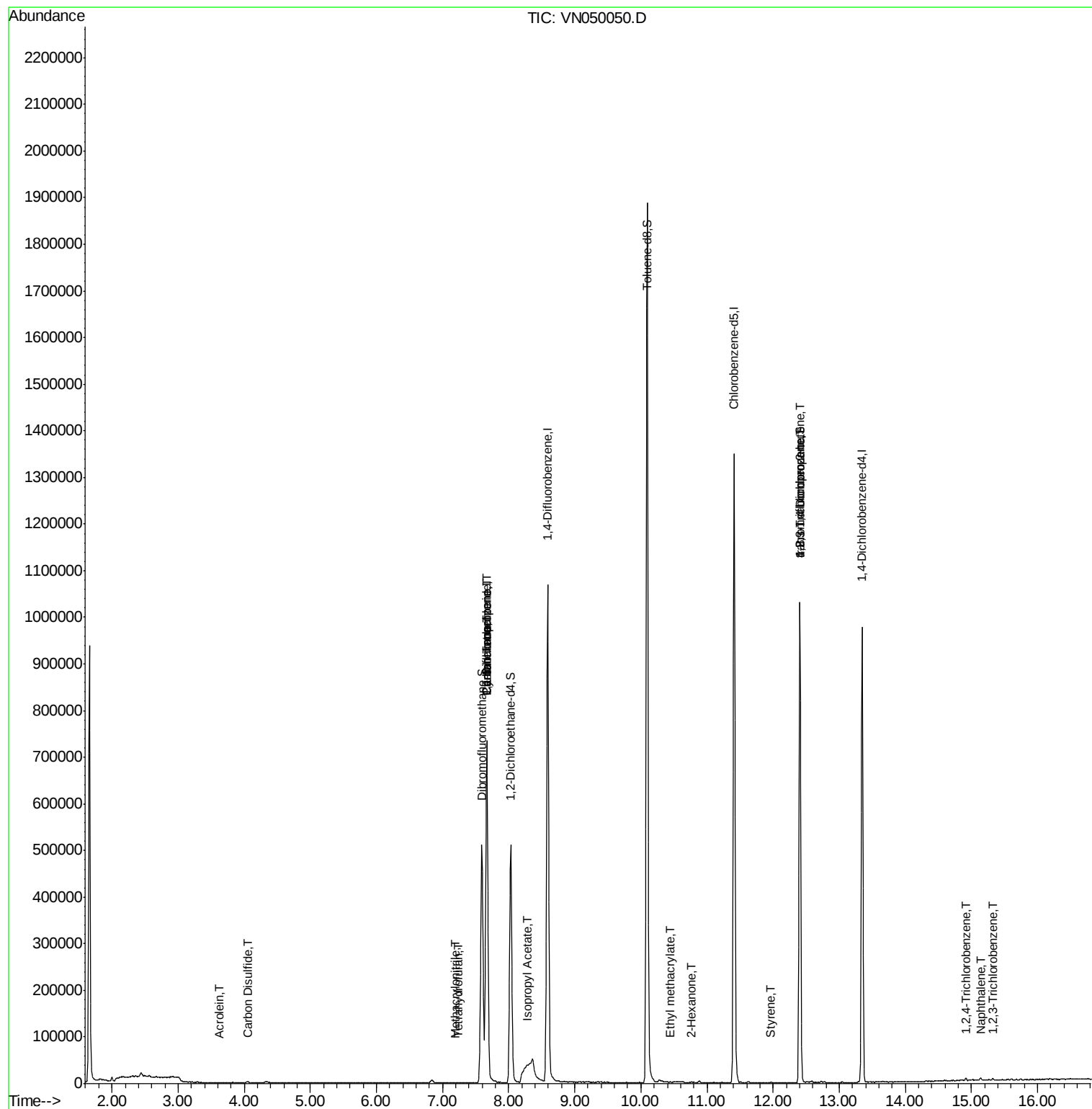
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	1497	Below Cal		84
13) Acrolein	3.63	56	130	0.25 ug/l	#	42
16) Acetone	3.82	43	564	Below Cal	#	42
17) Carbon Disulfide	4.05	76	5047	0.23 ug/l	#	89
18) Methyl Acetate	4.34	43	5463	Below Cal	#	88
20) Methylene Chloride	4.55	84	227	Below Cal	#	42
29) Tetrahydrofuran	7.23	42	563	0.26 ug/l	#	42
31) Cyclohexane	7.67	56	11825	0.92 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	44842	4.02 ug/l	#	48
38) Carbon Tetrachloride	7.67	117	56904	4.80 ug/l	#	16
41) Methacrylonitrile	7.18	41	34	2.76 ug/l	#	10
43) Isopropyl Acetate	8.28	43	63740	3.28 ug/l	#	61
56) Ethyl methacrylate	10.44	69	30	2.03 ug/l	#	26
59) 2-Hexanone	10.76	43	1917	5.51 ug/l	#	44
70) Styrene	11.97	104	384	0.94 ug/l	#	75
75) 1,1,2,2-Tetrachloroethane	12.51	83	266	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	173030	33.71 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	173030	106.94 ug/l	#	13
93) 1,2,4-Trichlorobenzene	14.91	180	1447	3.34 ug/l		96
95) Naphthalene	15.14	128	3609	4.68 ug/l		98
96) 1,2,3-Trichlorobenzene	15.32	180	1106	2.41 ug/l		89

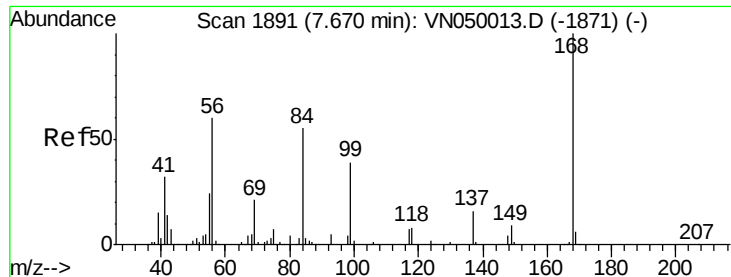
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 25 Jul 2018 18:31
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBL02

Quant Time: Jul 26 05:08:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 24 06:27:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050050.D

Acq: 25 Jul 2018 18:31

Instrument :

MSVOA_N

ClientSampleId :

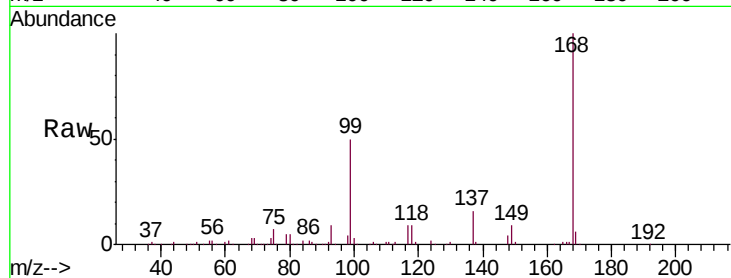
VN0725WBL02

Tot Ion:168 Resp: 620552

Ion Ratio Lower Upper

168 100

99 50.4 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

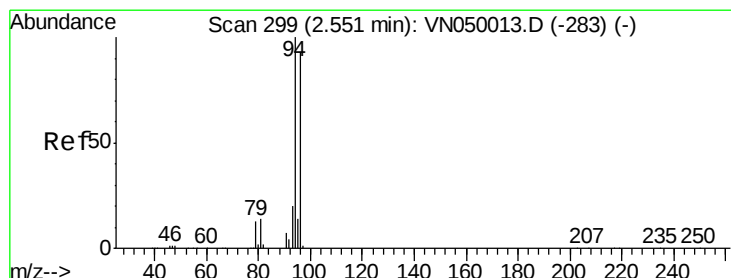
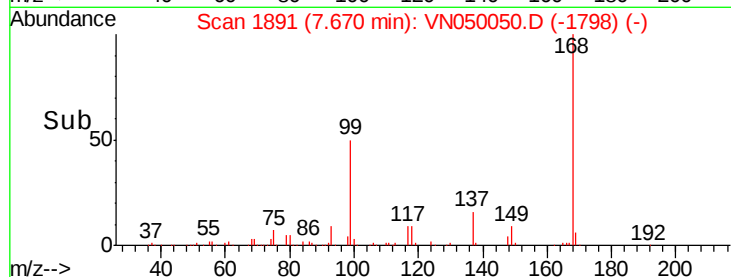
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050050.D

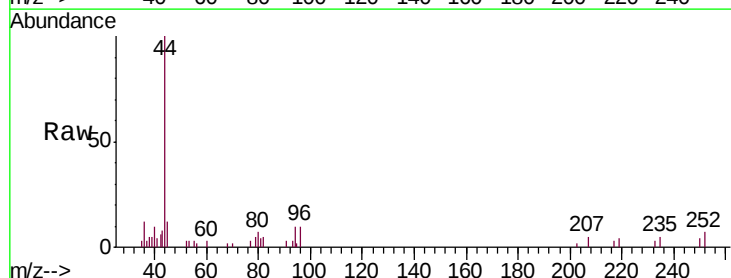
Acq: 25 Jul 2018 18:31

Tgt Ion: 94 Resp: 1497

Ion Ratio Lower Upper

94 100

96 78.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.56

800

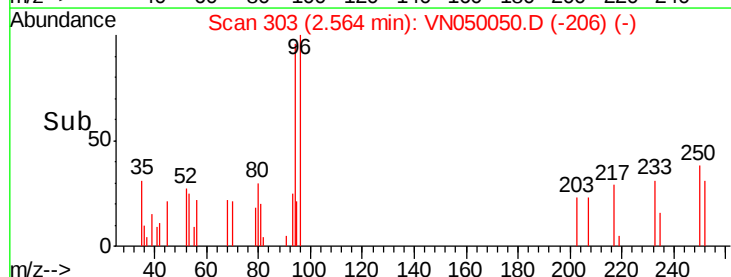
600

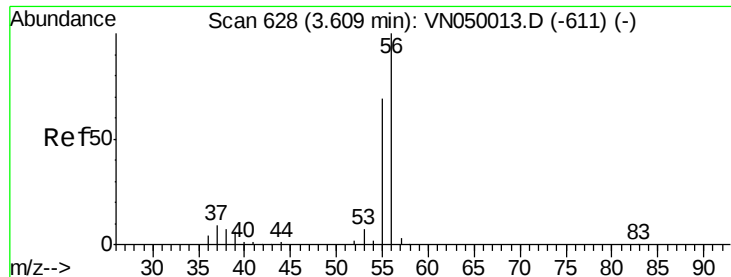
400

200

0

Time-->





#13

Acrolein

Concen: 0.25 ug/l

RT: 3.63 min Scan# 635

Delta R.T. 0.02 min

Lab File: VN050050.D

Acq: 25 Jul 2018 18:31

Instrument :

MSVOA_N

ClientSampleId :

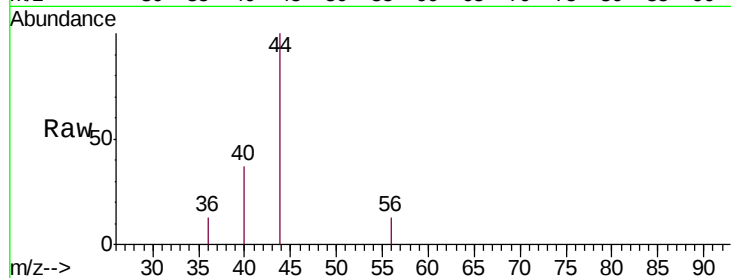
VN0725WBL02

Tot Ion: 56 Resp: 130

Ion Ratio Lower Upper

56 100

55 22.3 55.8 83.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

200

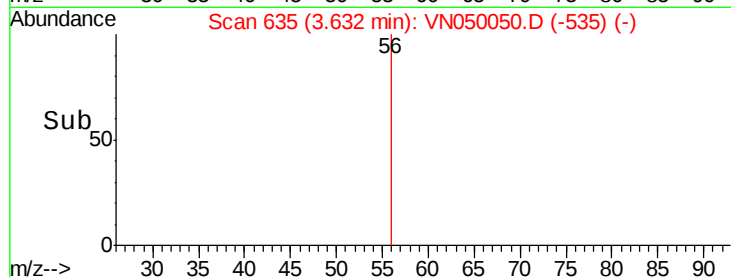
150

100

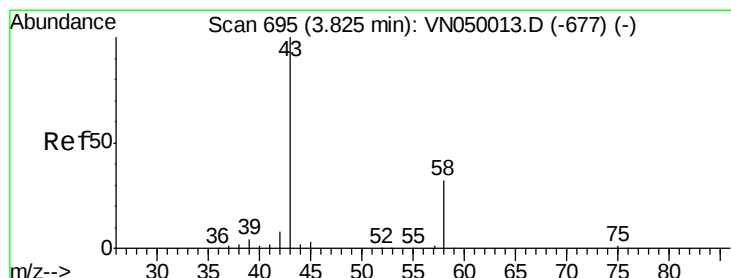
50

0

Time-->



Time-->



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050050.D

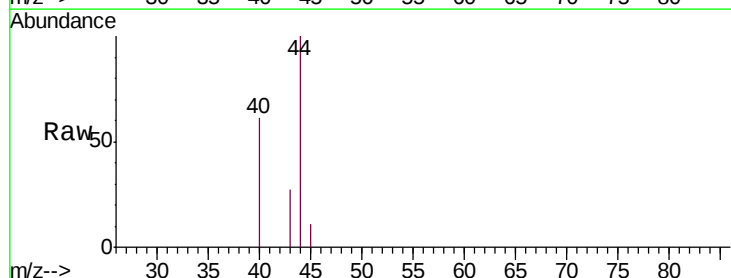
Acq: 25 Jul 2018 18:31

Tgt Ion: 43 Resp: 564

Ion Ratio Lower Upper

43 100

58 0.0 25.8 38.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

500

400

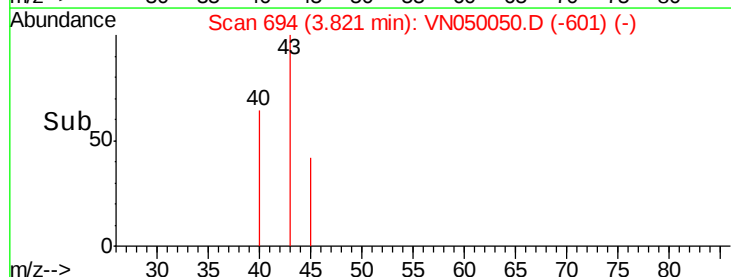
300

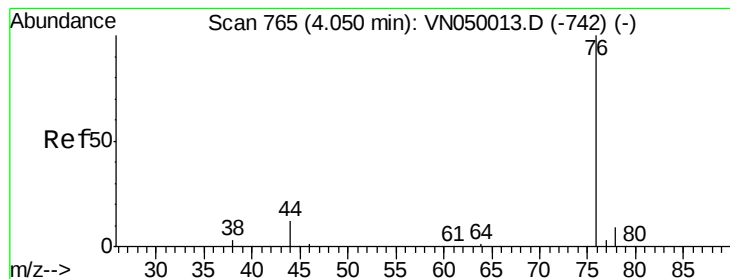
200

100

0

Time-->





#17

Carbon Disulfide

Concen: 0.23 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050050.D

Acq: 25 Jul 2018 18:31

Instrument :

MSVOA_N

ClientSampleId :

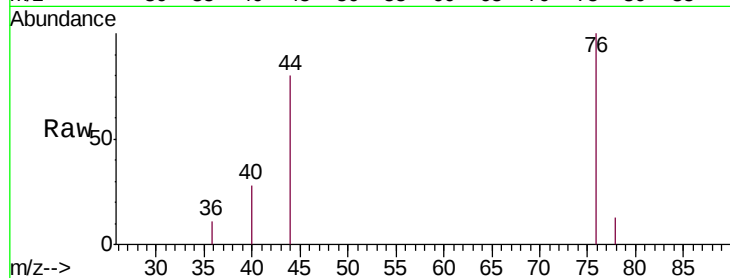
VN0725WBL02

Tot Ion: 76 Resp: 5047

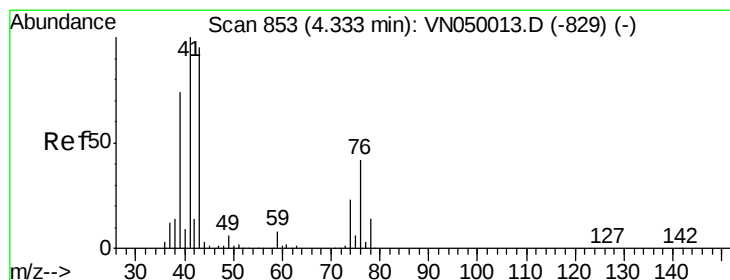
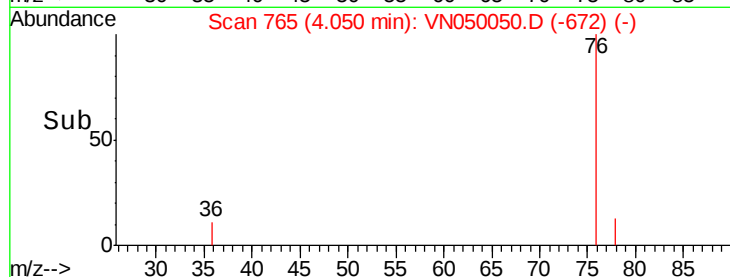
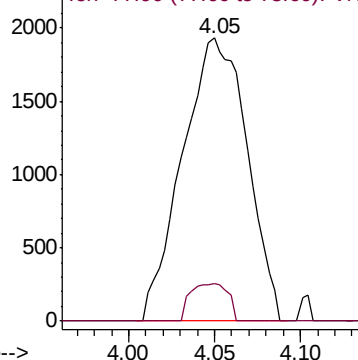
Ion Ratio Lower Upper

76 100

78 13.2 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 854

Delta R.T. 0.00 min

Lab File: VN050050.D

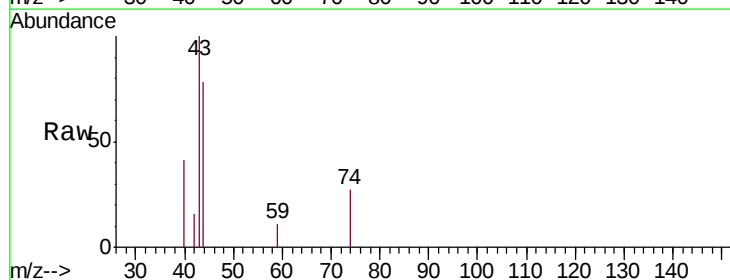
Acq: 25 Jul 2018 18:31

Tgt Ion: 43 Resp: 5463

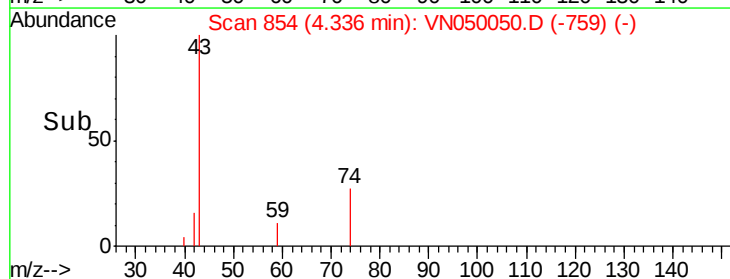
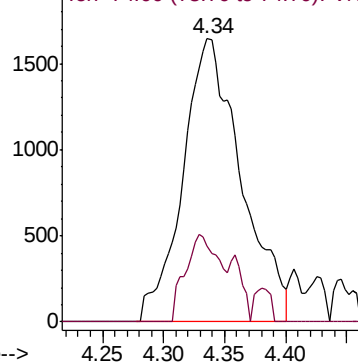
Ion Ratio Lower Upper

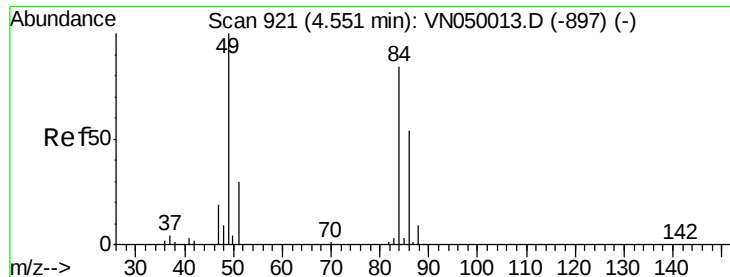
43 100

74 18.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO





#20

Methylene Chloride

Concen: Below Cal

RT: 4.55 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN050050.D

Acq: 25 Jul 2018 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBL02

Tot Ion: 84 Resp: 227

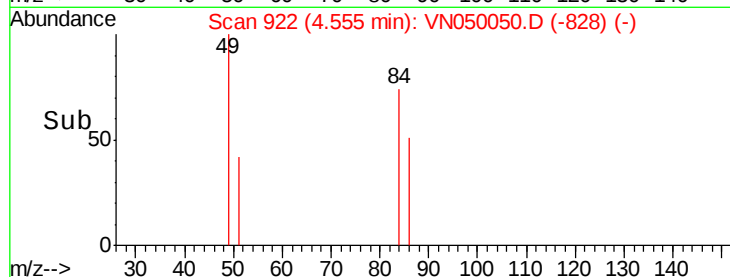
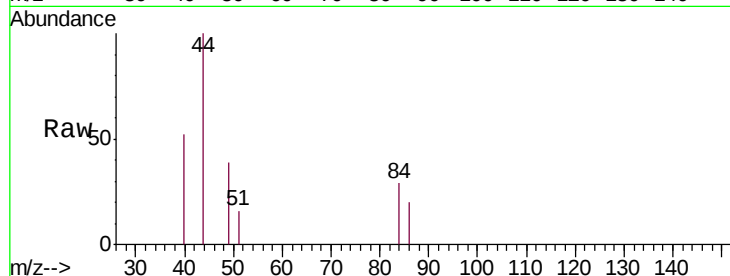
Ion Ratio Lower Upper

84 100

49 16.4 94.8 142.2#

51 56.4 28.3 42.5#

86 68.5 51.0 76.6

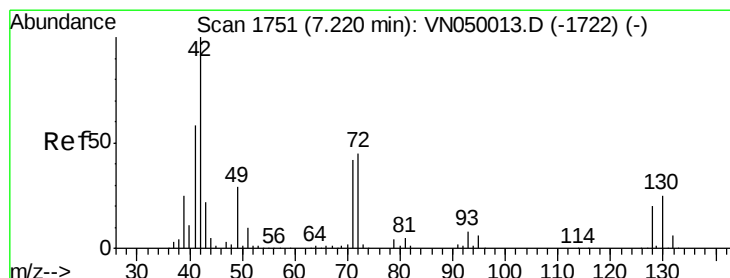
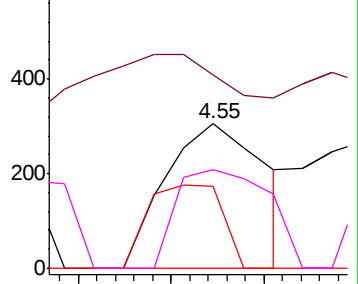


Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO



#29

Tetrahydrofuran

Concen: 0.26 ug/l

RT: 7.23 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VN050050.D

Acq: 25 Jul 2018 18:31

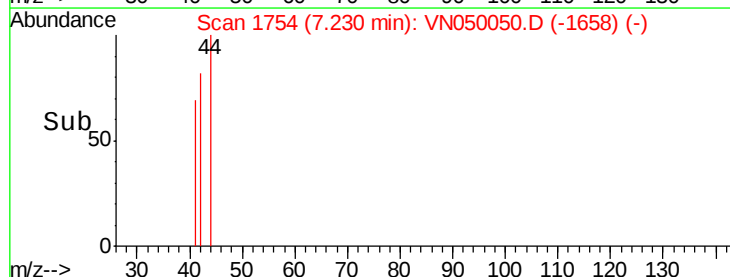
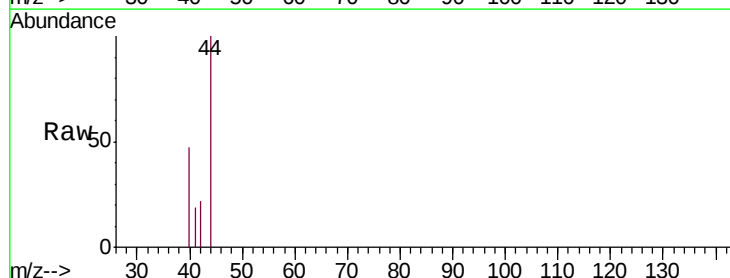
Tgt Ion: 42 Resp: 563

Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

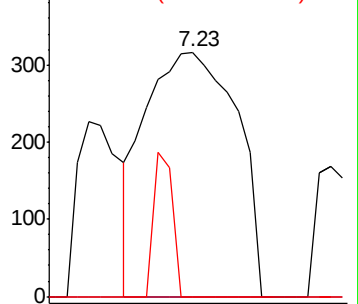
71 12.1 33.7 50.5#

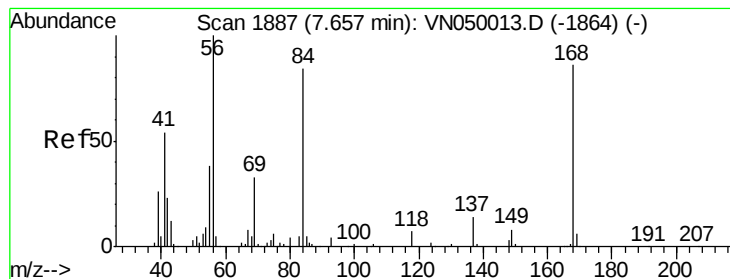


Abundance Ion 42.00 (41.70 to 42.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

Ion 71.00 (70.70 to 71.70): VNO





#31

Cyclohexane

Concen: 0.92 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VN050050.D

Acq: 25 Jul 2018 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBL02

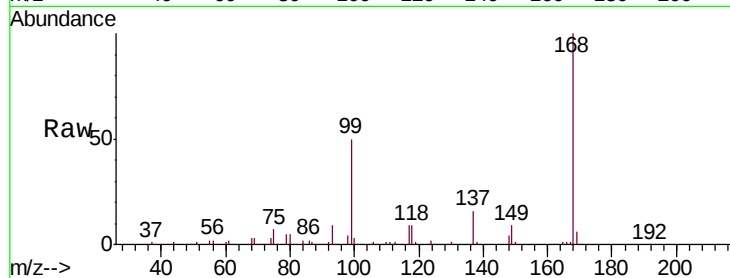
Tot Ion: 56 Resp: 11825

Ion Ratio Lower Upper

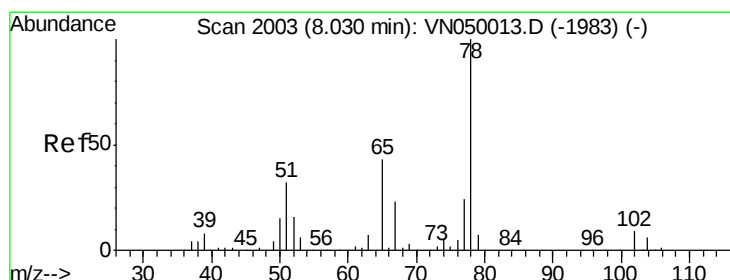
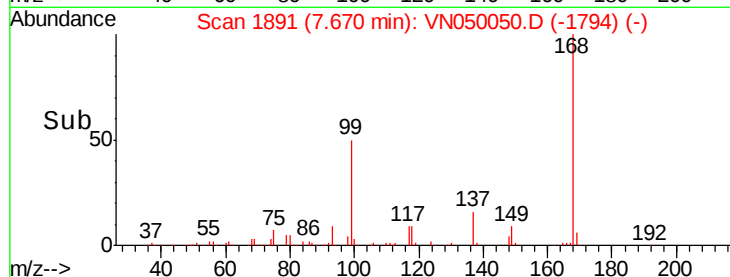
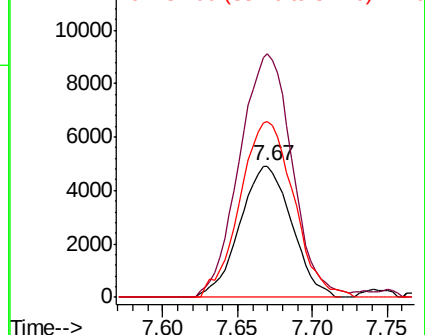
56 100

69 185.9 26.2 39.4#

84 134.4 67.4 101.0#



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: 50.92 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050050.D

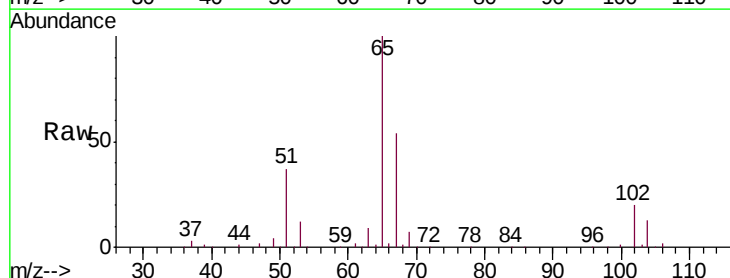
Acq: 25 Jul 2018 18:31

Tgt Ion: 65 Resp: 440841

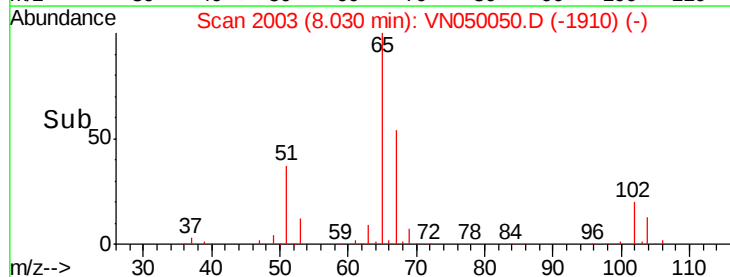
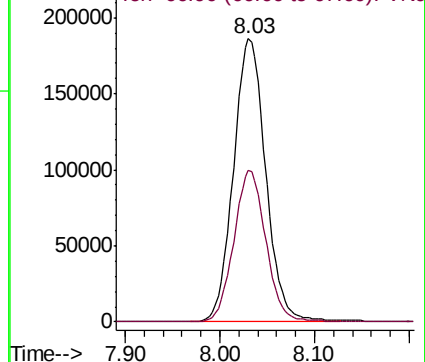
Ion Ratio Lower Upper

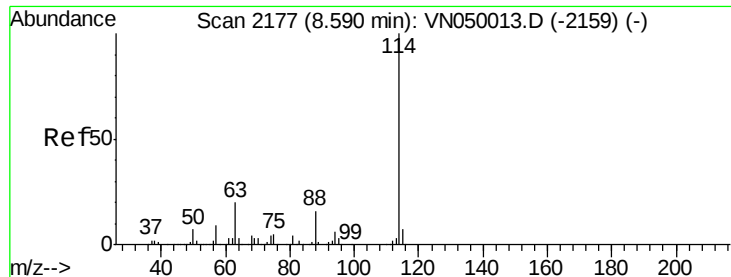
65 100

67 53.3 0.0 108.4



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

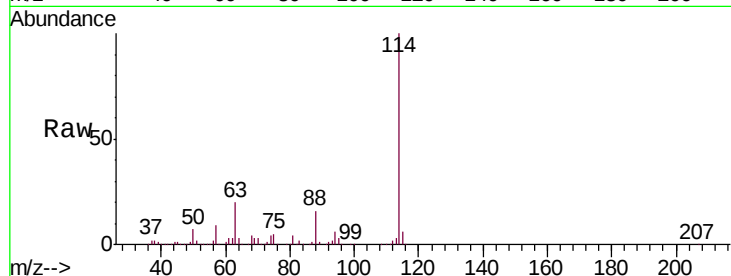




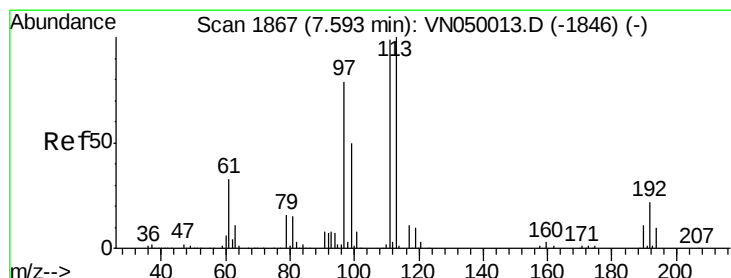
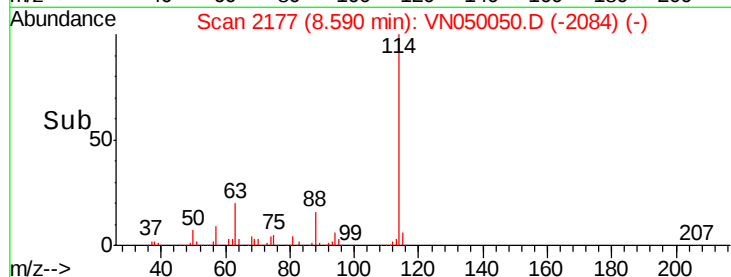
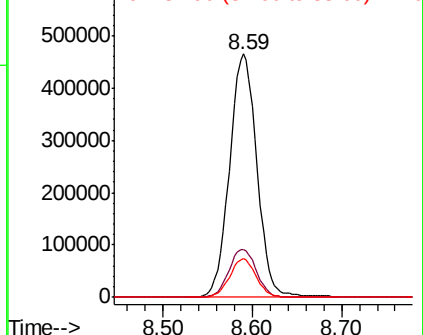
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050050.D
 Acq: 25 Jul 2018 18:31

Instrument :
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 VN0725WBL02

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	40.0
88	15.8	0.0	31.2

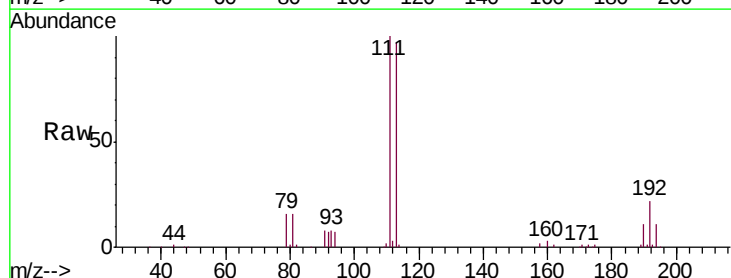


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

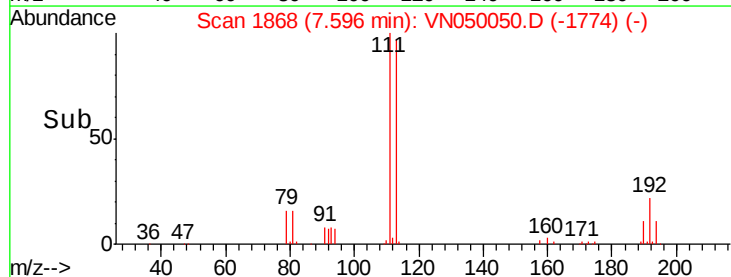
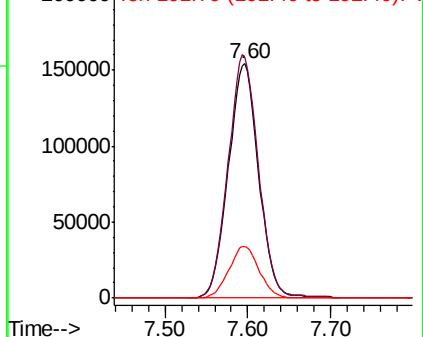


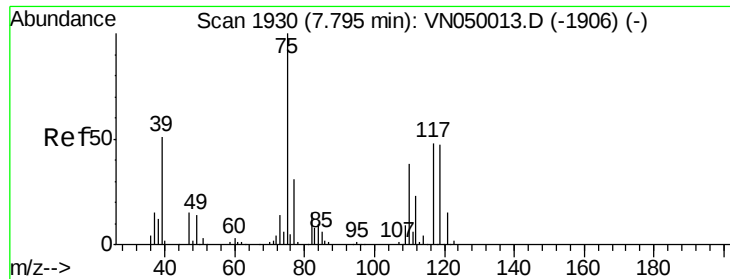
#35
 Dibromofluoromethane
 Concen: 48.56 ug/l
 RT: 7.60 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN050050.D
 Acq: 25 Jul 2018 18:31

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	80.7	121.1
192	22.1	17.8	26.6



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

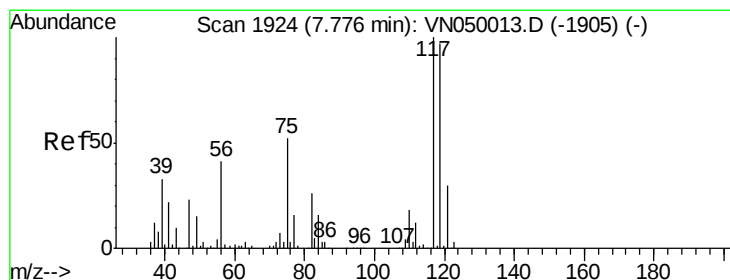
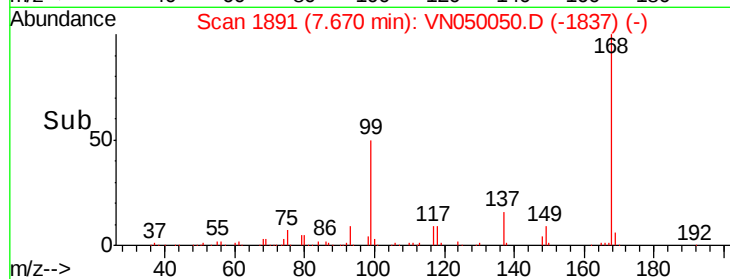
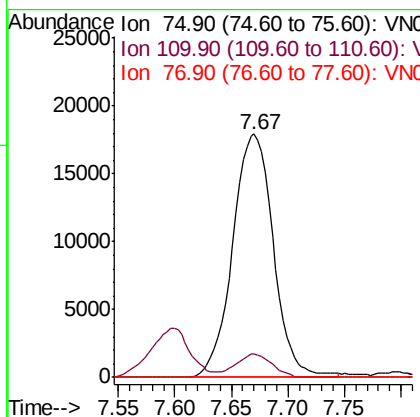
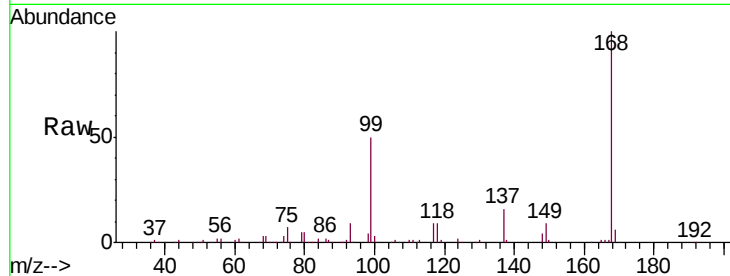




#36
 1,1-Dichloropropene
 Concen: 4.02 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050050.D
 Acq: 25 Jul 2018 18:31

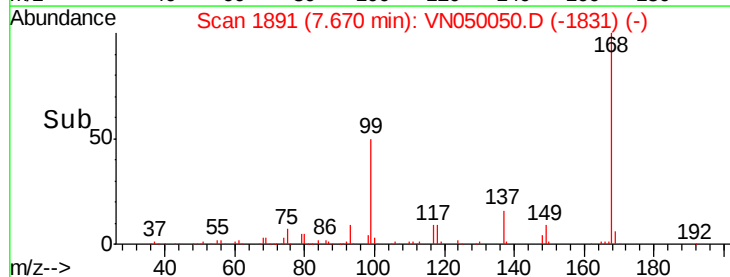
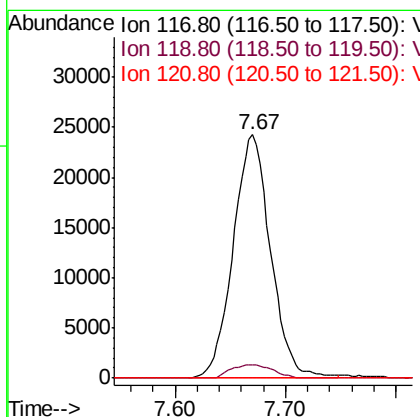
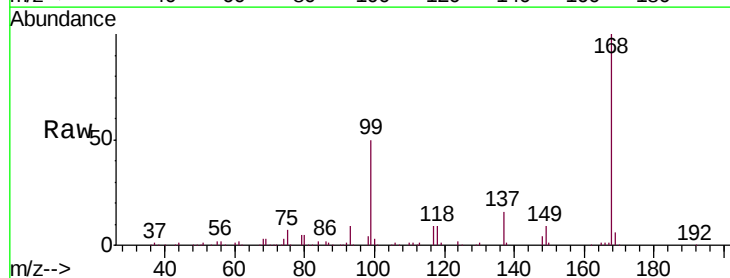
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBL02

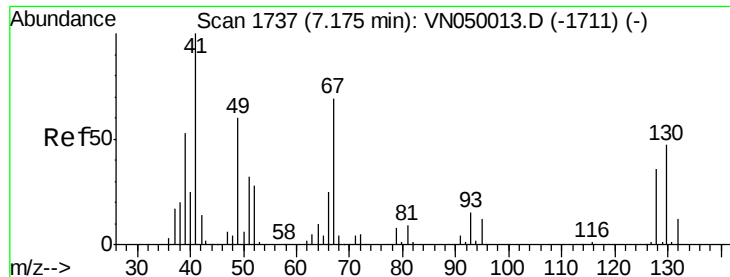
Tot Ion	75	Resp	44842
Ion Ratio	100	Lower	Upper
75	100		
110	8.5	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 4.80 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN050050.D
 Acq: 25 Jul 2018 18:31

Tgt Ion	117	Resp	56904
Ion Ratio	100	Lower	Upper
117	100		
119	5.6	77.4	116.0#
121	0.0	23.9	35.9#

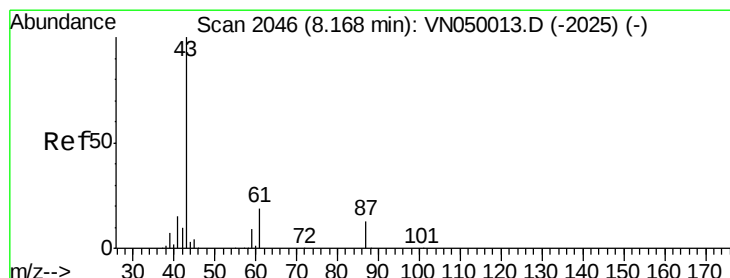
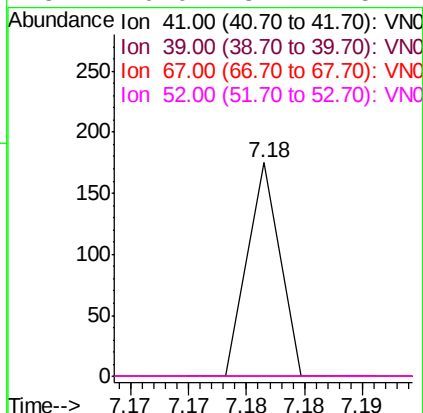
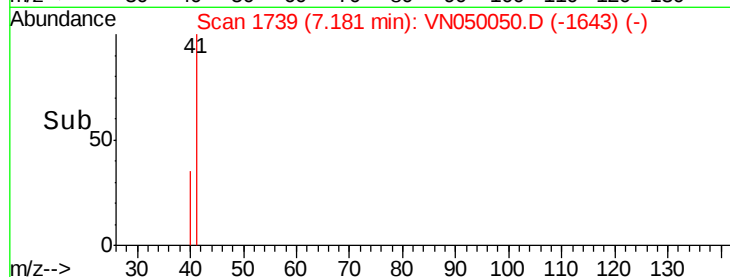
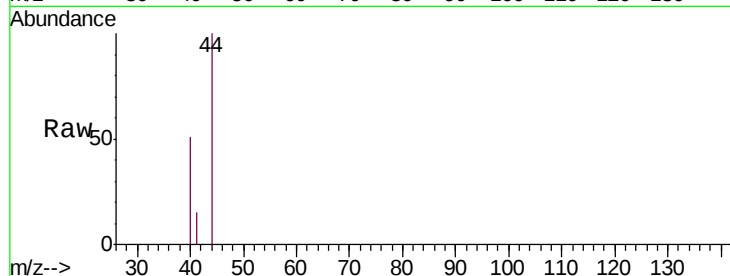




#41
Methacrylonitrile
Concen: 2.76 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VN050050.D
Acq: 25 Jul 2018 18:31

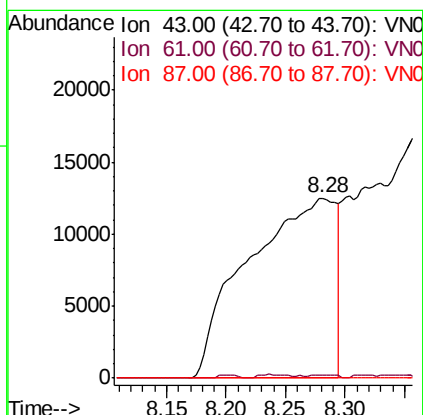
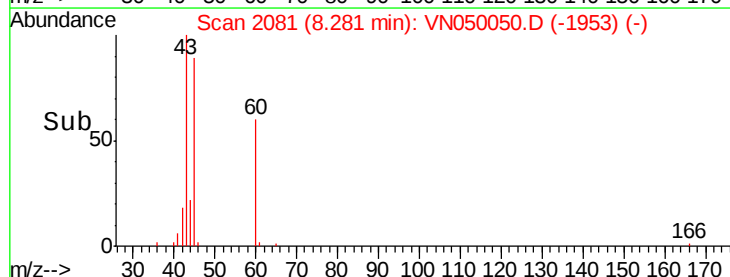
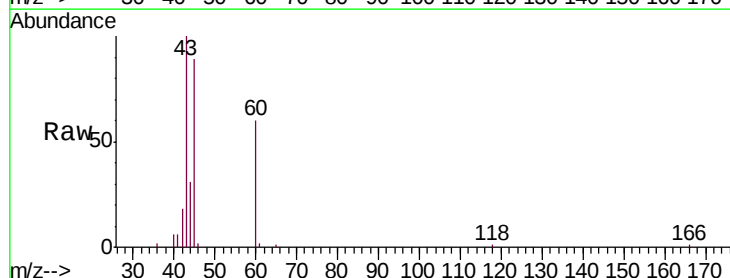
Instrument :
MSVOA_N
ClientSampleId :
VN0725WBL02

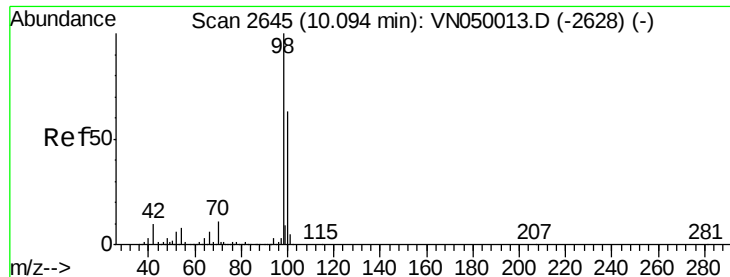
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.8	83.6#
67	0.0	84.3	126.5#
52	0.0	34.2	51.2#



#43
Isopropyl Acetate
Concen: 3.28 ug/l
RT: 8.28 min Scan# 2081
Delta R.T. 0.11 min
Lab File: VN050050.D
Acq: 25 Jul 2018 18:31

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	15.8	23.6#
87	0.0	10.3	15.5#





#50

Toluene-d8

Concen: 45.77 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050050.D

Acq: 25 Jul 2018 18:31

Instrument :

MSVOA_N

ClientSampleId :

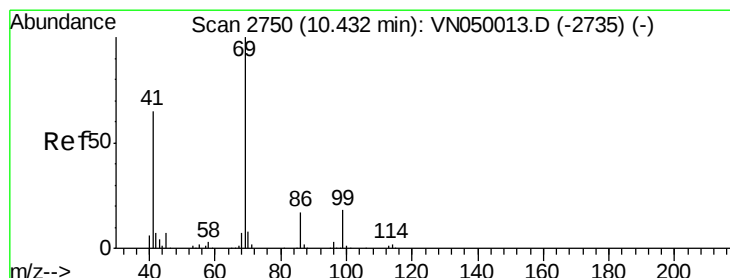
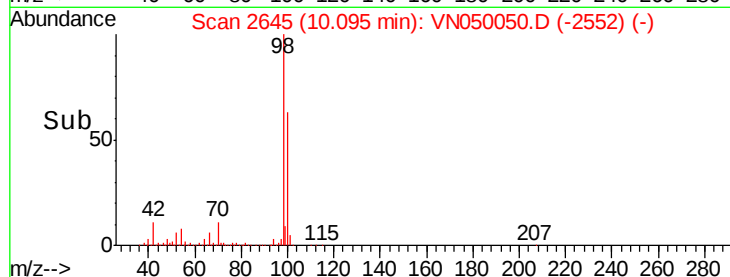
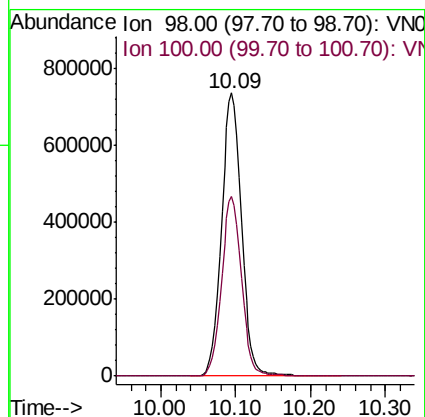
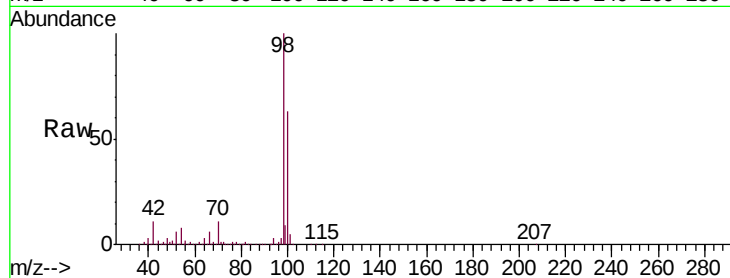
VN0725WBL02

Tot Ion: 98 Resp: 1361743

Ion Ratio Lower Upper

98 100

100 63.1 50.7 76.1



#56

Ethyl methacrylate

Concen: 2.03 ug/l

RT: 10.44 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VN050050.D

Acq: 25 Jul 2018 18:31

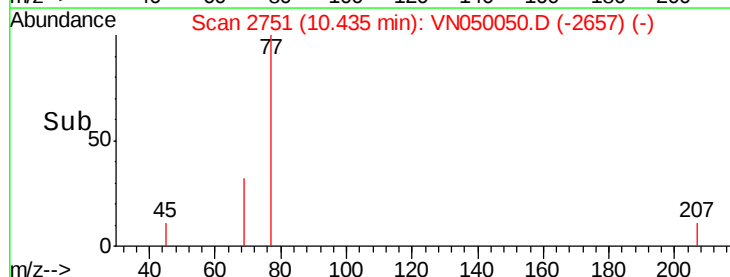
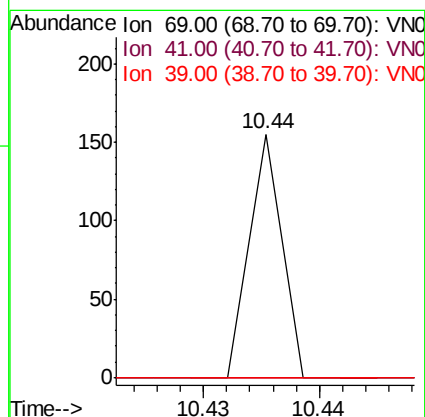
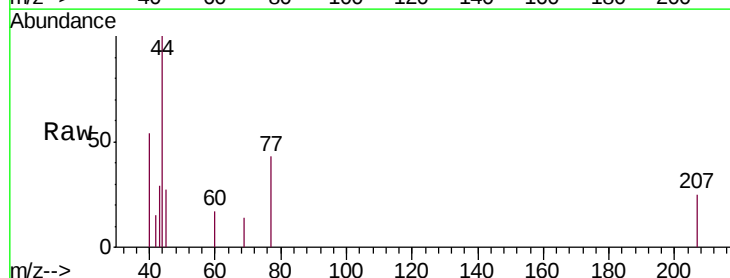
Tgt Ion: 69 Resp: 30

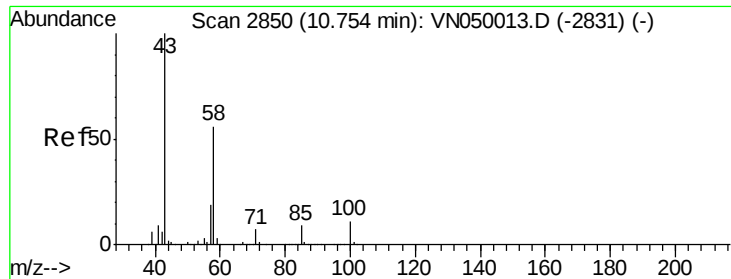
Ion Ratio Lower Upper

69 100

41 0.0 51.0 76.4#

39 0.0 26.6 40.0#

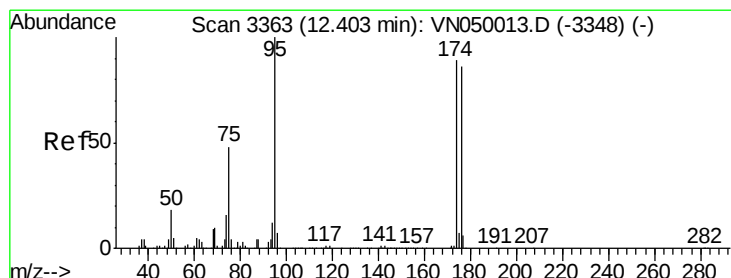
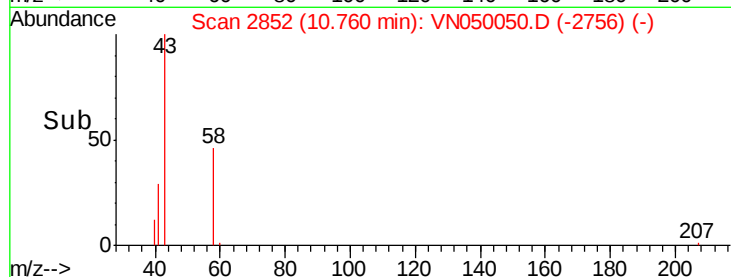
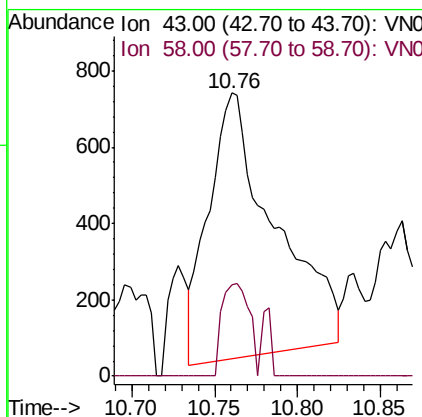
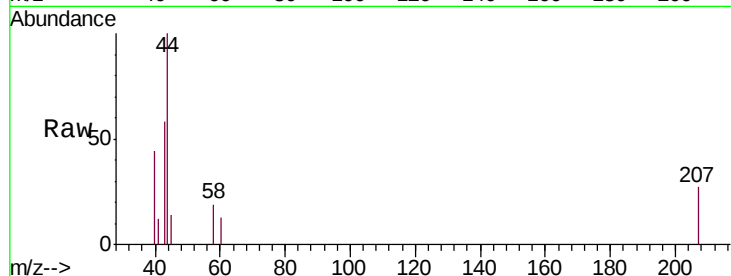




#59
2-Hexanone
Concen: 5.51 ug/l
RT: 10.76 min Scan# 2852
Delta R.T. 0.01 min
Lab File: VN050050.D
Acq: 25 Jul 2018 18:31

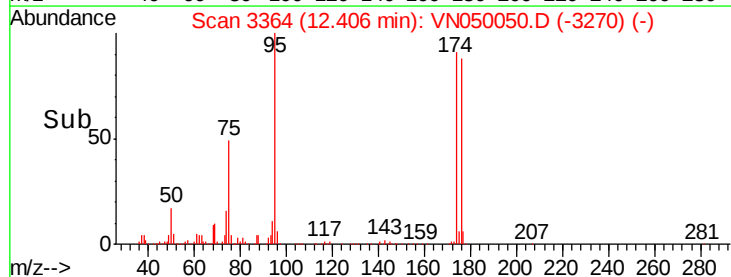
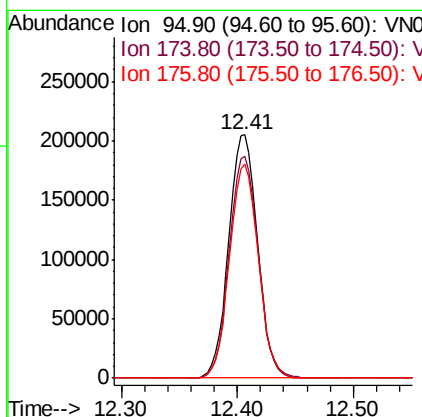
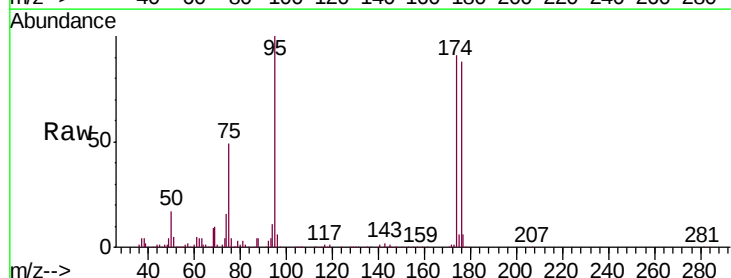
Instrument :
MSVOA_N
ClientSampleId :
VN0725WBL02

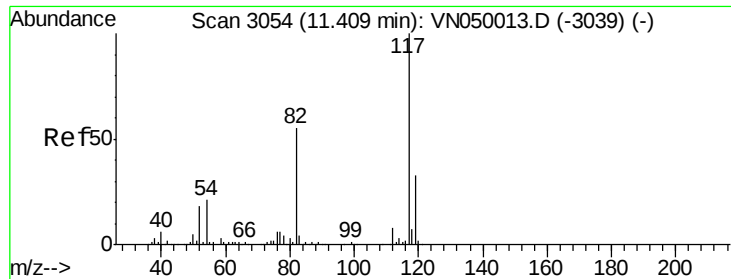
Tot Ion: 43 Resp: 1917
Ion Ratio Lower Upper
43 100
58 14.4 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 35.98 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN050050.D
Acq: 25 Jul 2018 18:31

Tgt Ion: 95 Resp: 352444
Ion Ratio Lower Upper
95 100
174 92.1 0.0 178.2
176 87.8 0.0 173.4

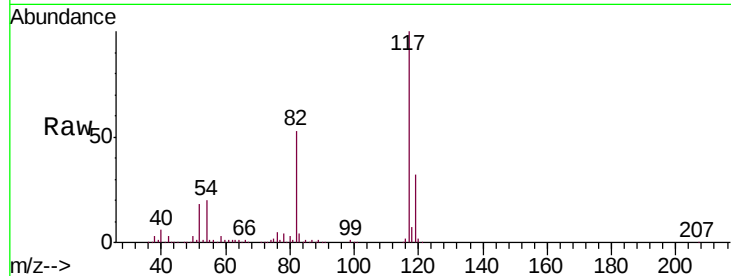




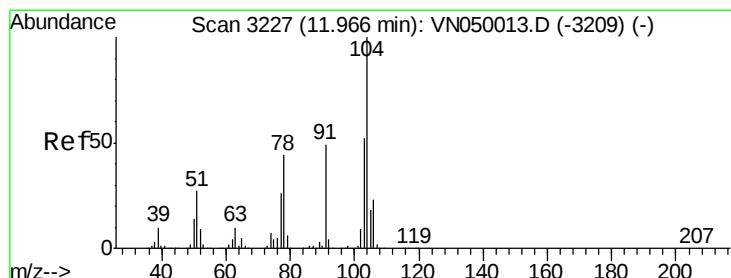
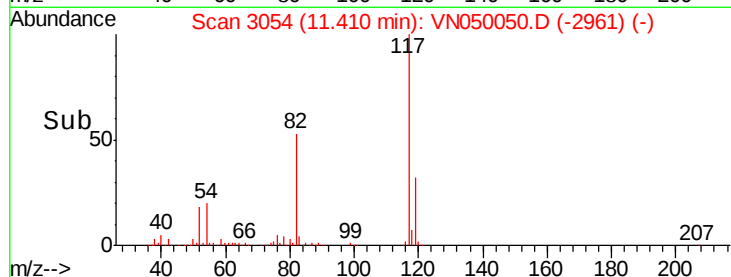
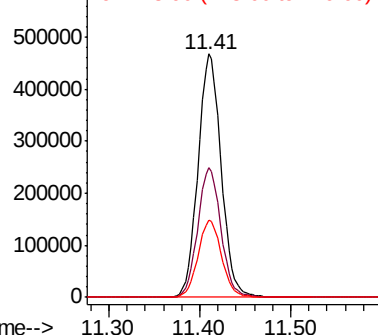
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050050.D
Acq: 25 Jul 2018 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBL02

Tot Ion:117 Resp: 825338
Ion Ratio Lower Upper
117 100
82 53.4 43.7 65.5
119 31.8 26.1 39.1

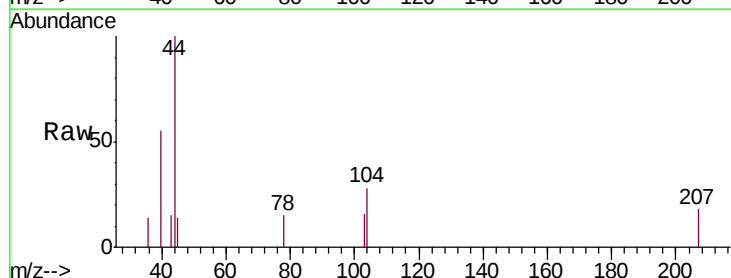


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

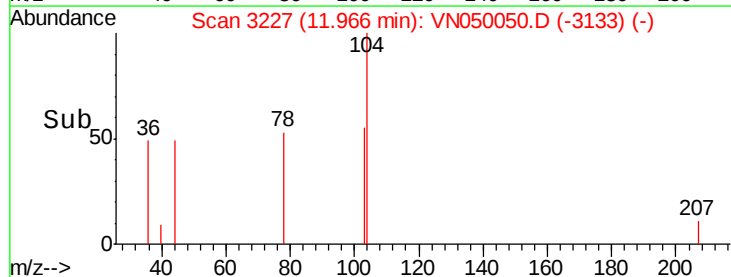
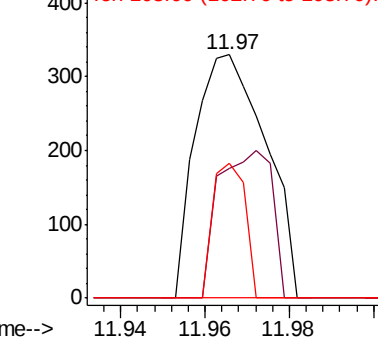


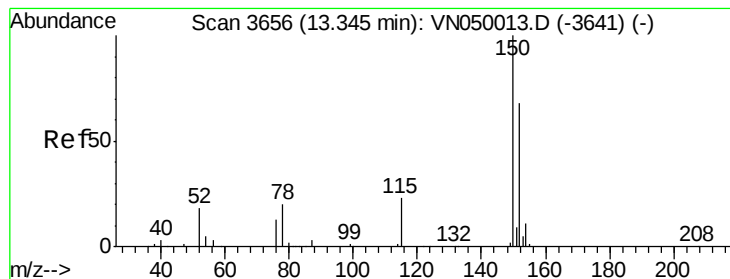
#70
Styrene
Concen: 0.94 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050050.D
Acq: 25 Jul 2018 18:31

Tgt Ion:104 Resp: 384
Ion Ratio Lower Upper
104 100
78 45.8 39.3 58.9
103 25.5 45.0 67.6#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN050050.D

Acq: 25 Jul 2018 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBL02

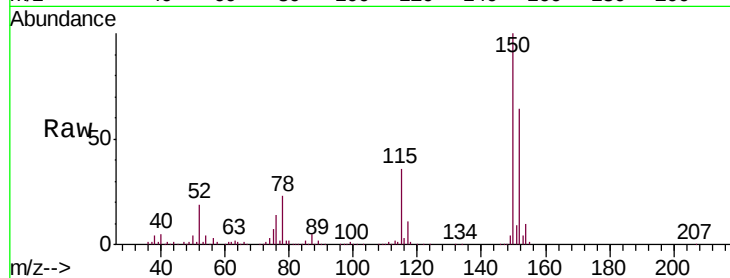
Tot Ion:152 Resp: 276157

Ion Ratio Lower Upper

152 100

115 56.6 27.8 83.3

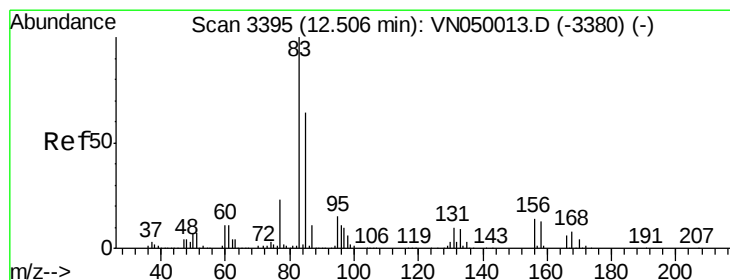
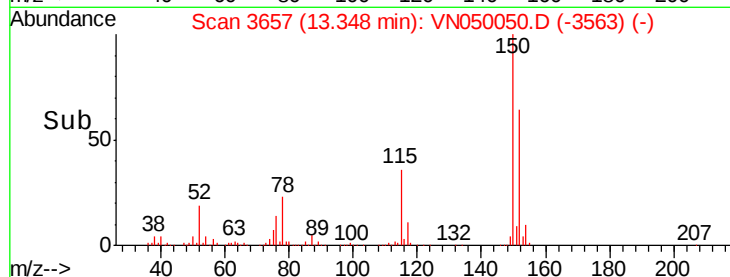
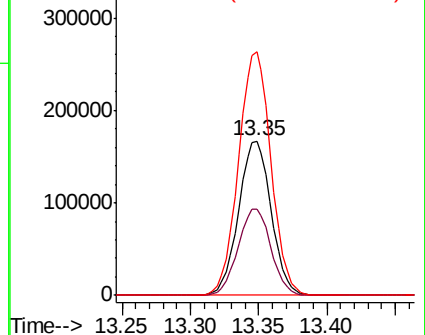
150 157.1 0.0 348.6



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VN050050.D

Acq: 25 Jul 2018 18:31

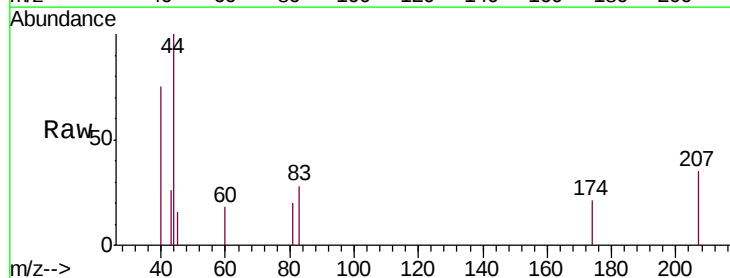
Tgt Ion: 83 Resp: 266

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

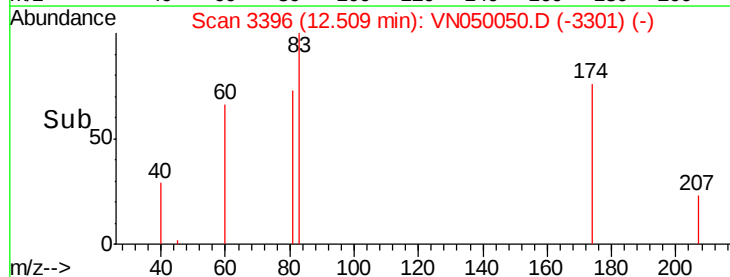
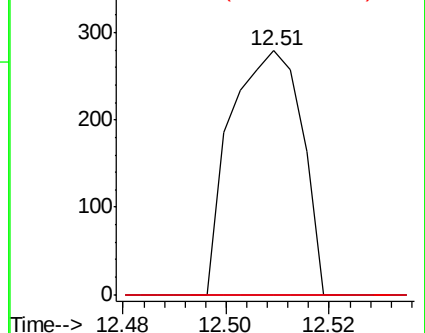
85 0.0 32.3 96.8#

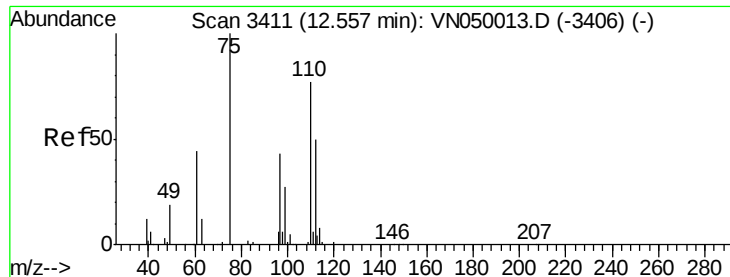


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0

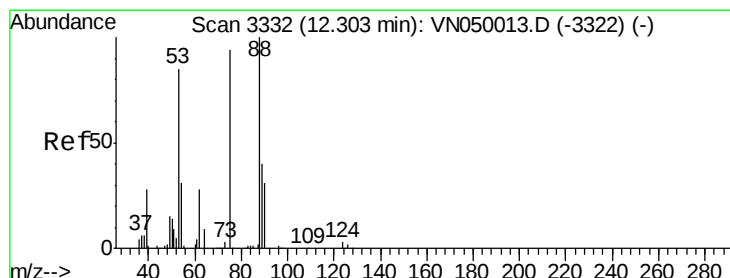
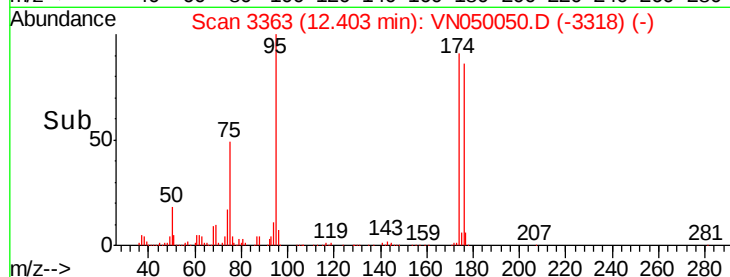
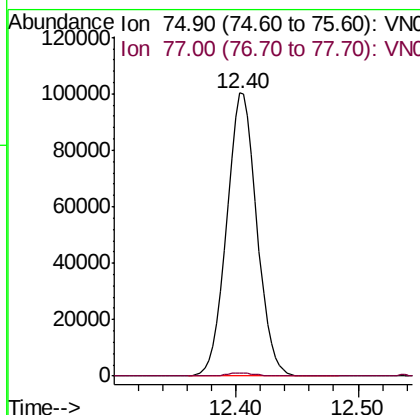
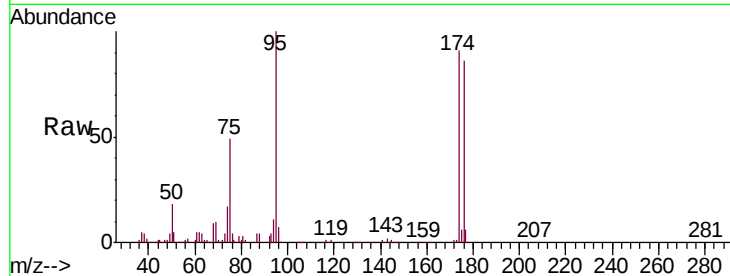




#76
 1,2,3-Trichloropropane
 Concen: 33.71 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.15 min
 Lab File: VN050050.D
 Acq: 25 Jul 2018 18:31

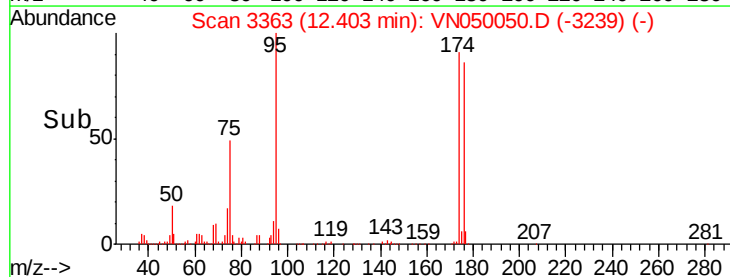
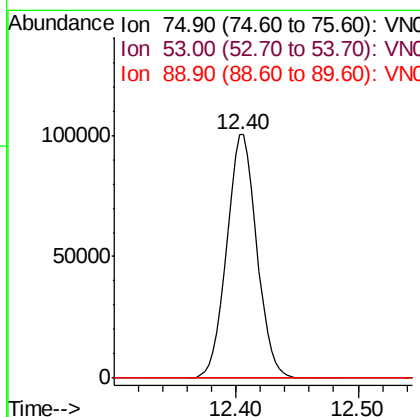
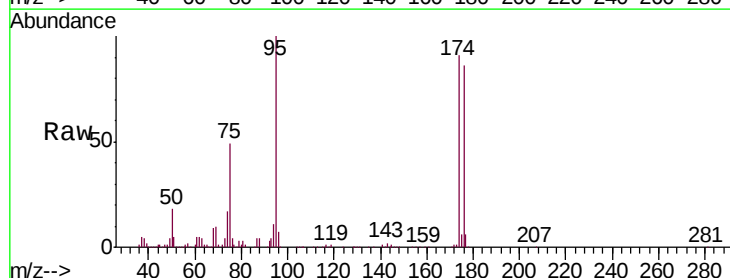
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBL02

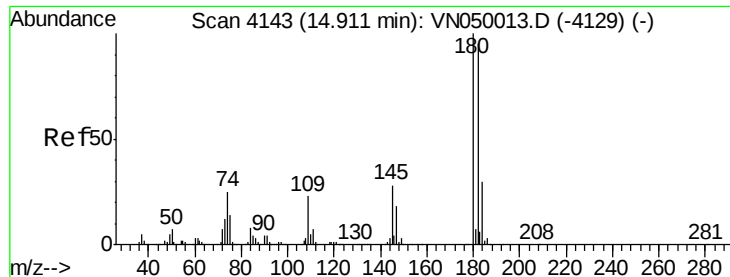
Tot Ion: 75 Resp: 173030
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.94 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN050050.D
 Acq: 25 Jul 2018 18:31

Tgt Ion: 75 Resp: 173030
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.5 110.3#
 89 0.0 36.0 54.0#

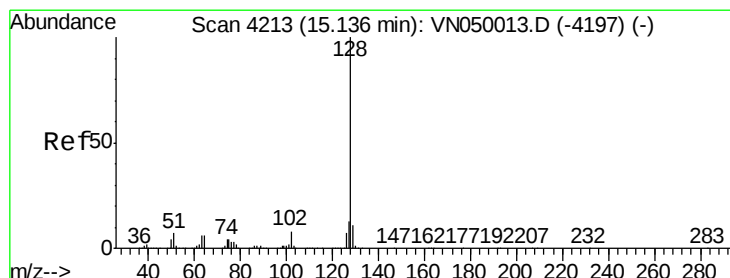
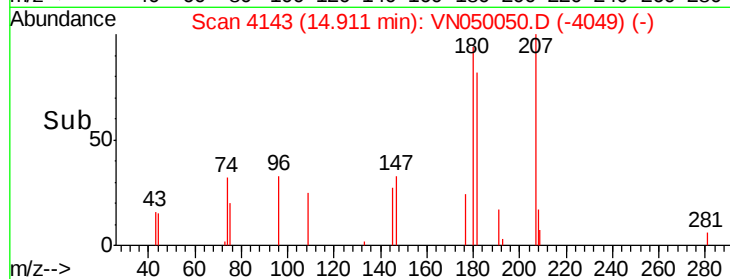
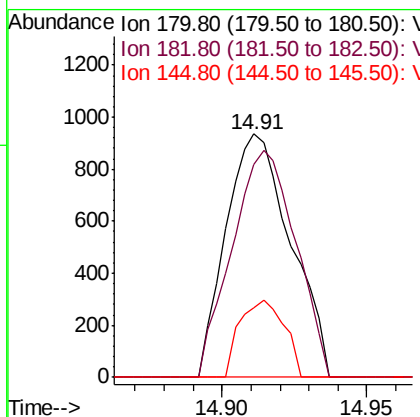
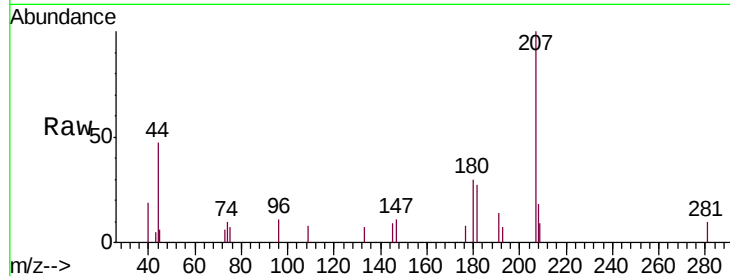




#93
 1,2,4-Trichlorobenzene
 Concen: 3.34 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050050.D
 Acq: 25 Jul 2018 18:31

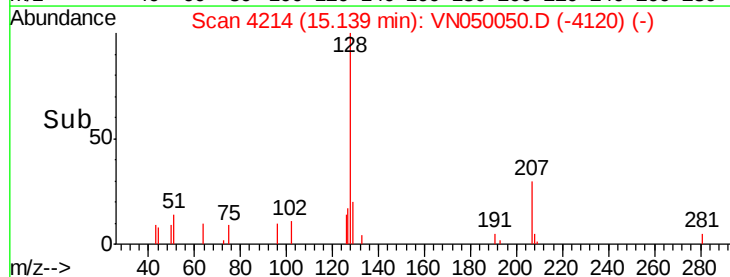
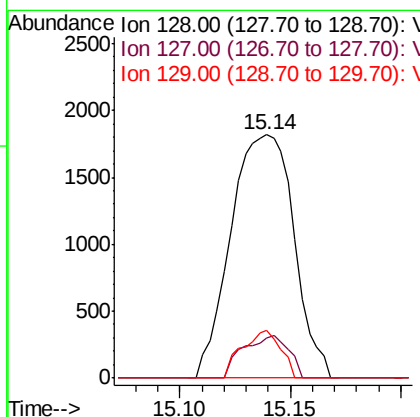
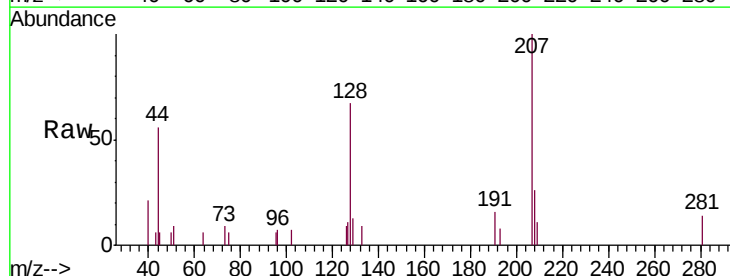
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBL02

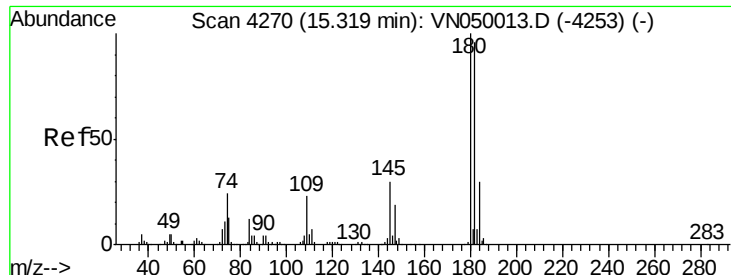
Tot Ion:180 Resp: 1447
 Ion Ratio Lower Upper
 180 100
 182 91.8 46.7 140.1
 145 21.9 13.8 41.4



#95
 Naphthalene
 Concen: 4.68 ug/l
 RT: 15.14 min Scan# 4214
 Delta R.T. 0.00 min
 Lab File: VN050050.D
 Acq: 25 Jul 2018 18:31

Tgt Ion:128 Resp: 3609
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.4 15.6
 129 12.1 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 2.41 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN050050.D
 Acq: 25 Jul 2018 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	109.9	48.1	144.4
145	30.4	15.3	45.9

