

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
 Data File : VN050042.D
 Acq On : 25 Jul 2018 11:25
 Operator : MD\SY
 Sample : VN0725WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBL01

Quant Time: Jul 26 06:06:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 25 10:32:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	128579	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	676471	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	549628	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	271060	31.01	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.37%
60) 4-Bromofluorobenzene	12.40	95	193564	22.92	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	76.40%
63) Toluene-d8	10.09	98	781476	29.77	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.23%

Target Compounds

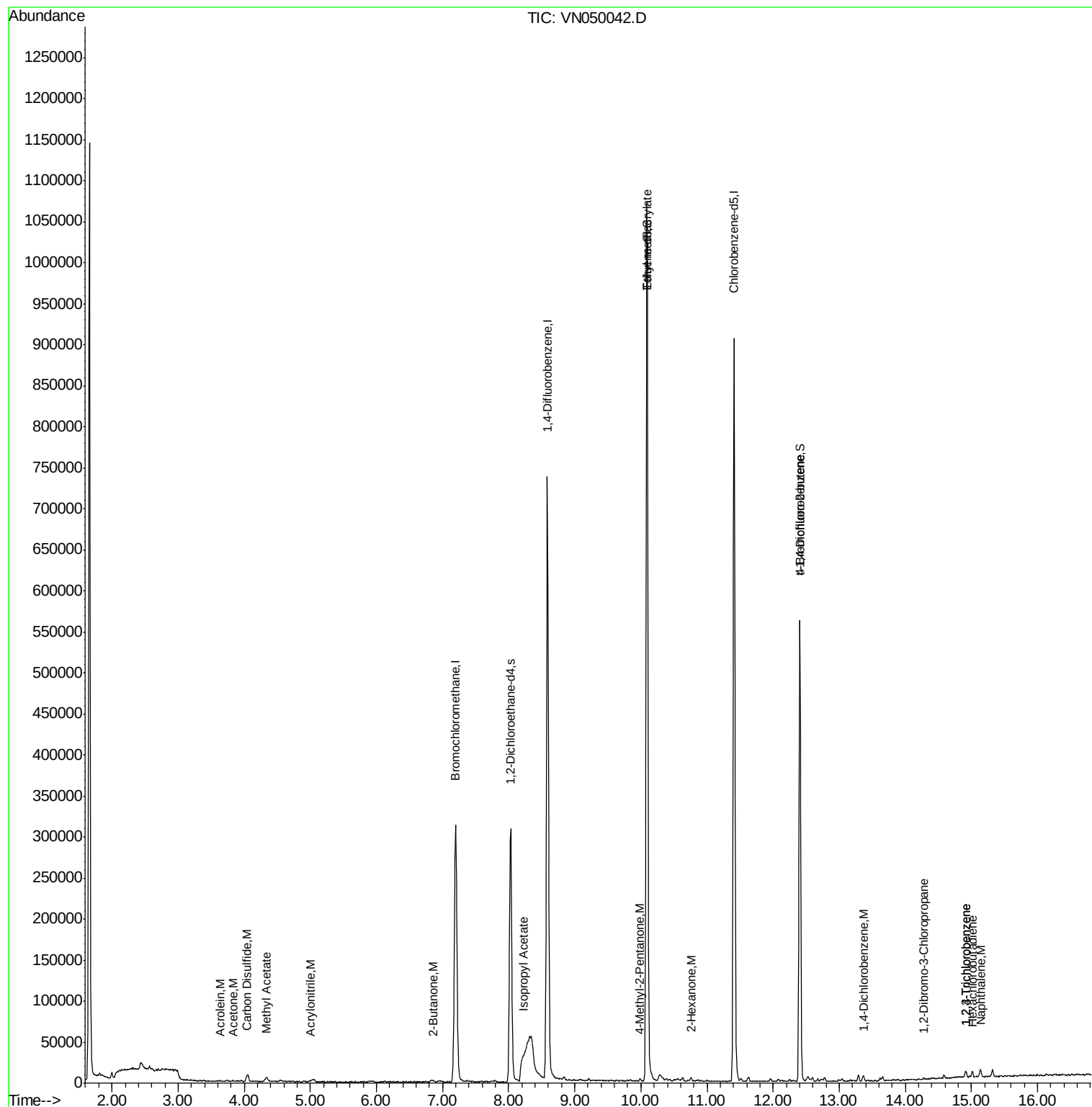
						Ovalue
12) Methyl Acetate	4.34	43	6914	0.88	ug/l	98
13) Acrolein	3.63	56	109	0.22	ug/l	84
14) Acrylonitrile	5.00	53	813	0.31	ug/l #	29
15) Acetone	3.82	58	430	0.62	ug/l #	1
16) Carbon Disulfide	4.05	76	16941	0.81	ug/l	97
30) 2-Butanone	6.86	43	1160	0.35	ug/l #	72
44) Isopropyl Acetate	8.22	43	25565	2.01	ug/l #	58
51) Ethyl methacrylate	10.10	69	2773	0.31	ug/l	90
58) 4-Methyl-2-Pentanone	9.99	43	2533	0.40	ug/l #	65
59) 2-Hexanone	10.76	43	3433	0.79	ug/l	89
77) t-1,4-Dichloro-2-butene	12.40	75	92831	38.75	ug/l #	14
84) 1,4-Dichlorobenzene	13.37	146	3021	0.22	ug/l	95
88) 1,2-Dibromo-3-Chloropropan	14.27	75	359	0.27	ug/l #	43
89) 1,2,4-Trichlorobenzene	14.91	180	2176	0.32	ug/l #	71
90) Hexachlorobutadiene	15.01	225	1751	0.39	ug/l	75
91) Naphthalene	15.14	128	8201	8.03	ug/l	98
92) 1,2,3-Trichlorobenzene	14.91	180	2176	0.32	ug/l	71

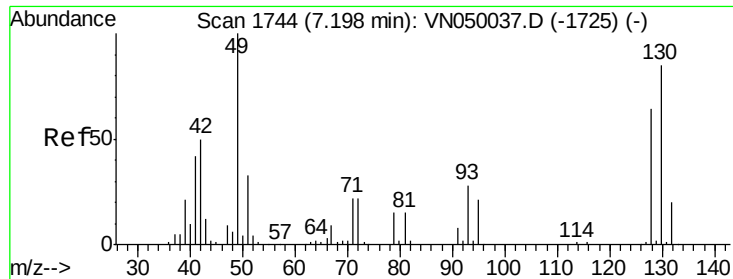
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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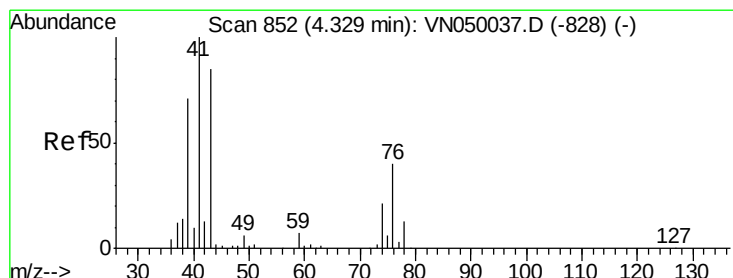
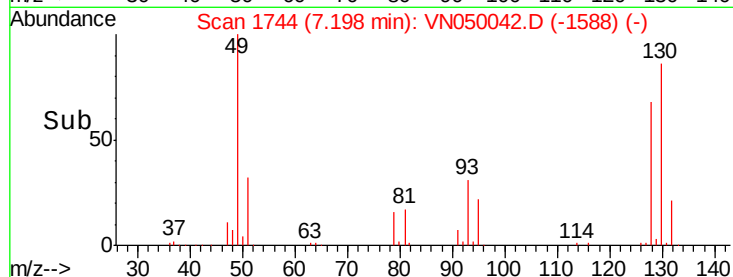
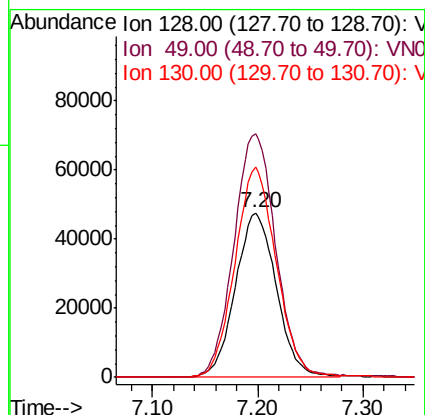
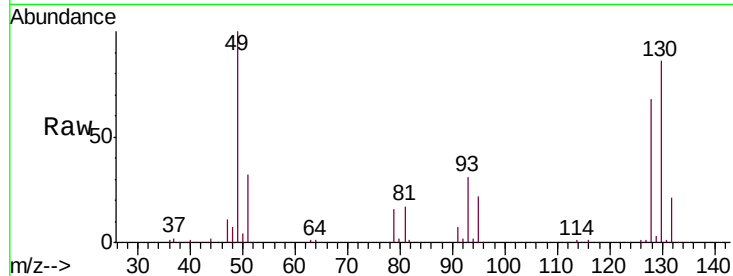




#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050042.D
 Acq: 25 Jul 2018 11:25

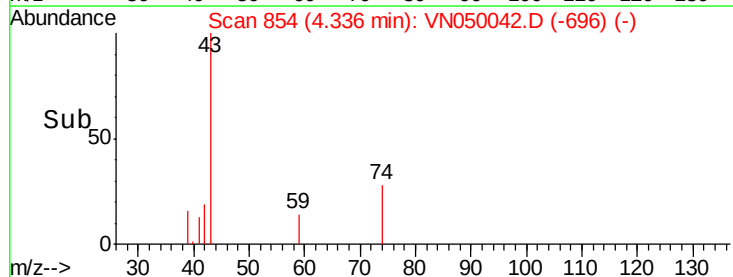
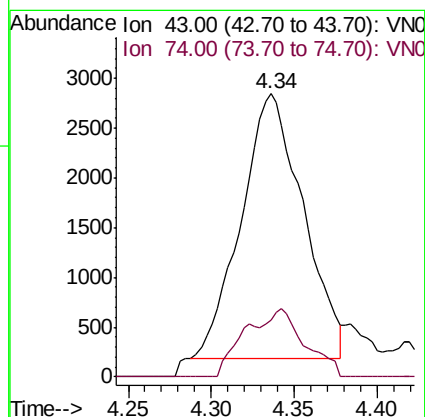
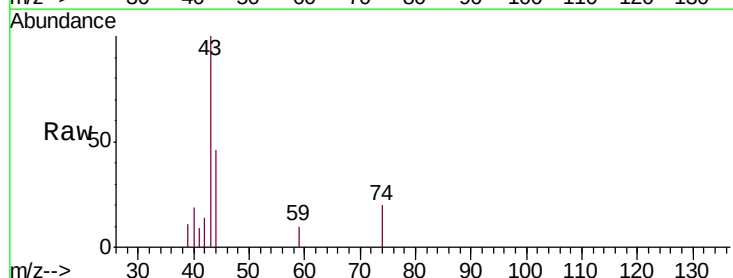
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBL01

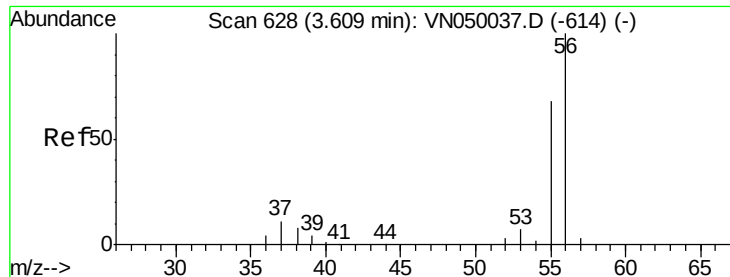
Tot Ion:128 Resp: 128579
 Ion Ratio Lower Upper
 128 100
 49 151.5 0.0 378.3
 130 129.3 0.0 320.7



#12
 Methyl Acetate
 Concen: 0.88 ug/l
 RT: 4.34 min Scan# 854
 Delta R.T. 0.01 min
 Lab File: VN050042.D
 Acq: 25 Jul 2018 11:25

Tgt Ion: 43 Resp: 6914
 Ion Ratio Lower Upper
 43 100
 74 23.1 19.3 28.9





#13

Acrolein

Concen: 0.22 ug/l

RT: 3.63 min Scan# 635

Delta R.T. 0.02 min

Lab File: VN050042.D

Acq: 25 Jul 2018 11:25

Instrument :

MSVOA_N

ClientSampled :

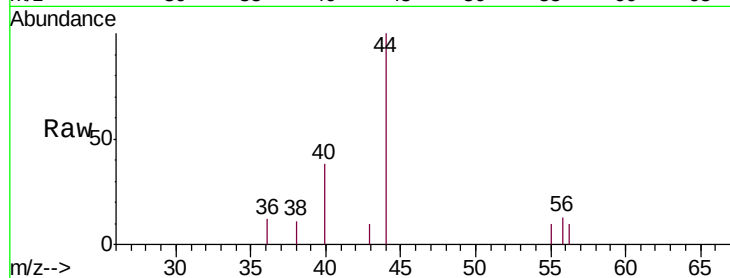
VN0725WBL01

Tot Ion: 56 Resp: 109

Ion Ratio Lower Upper

56 100

55 87.2 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.63

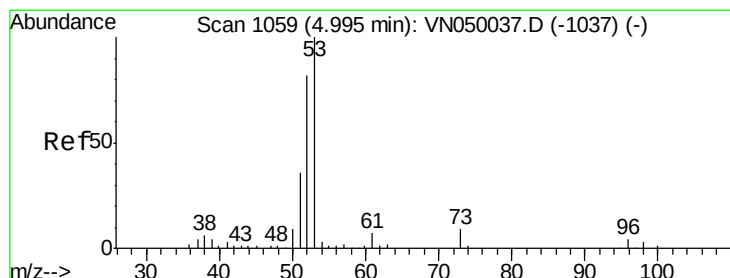
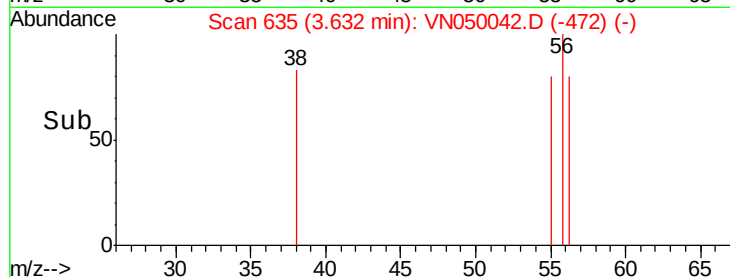
300

200

100

0

Time-->



#14

Acrylonitrile

Concen: 0.31 ug/l

RT: 5.00 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VN050042.D

Acq: 25 Jul 2018 11:25

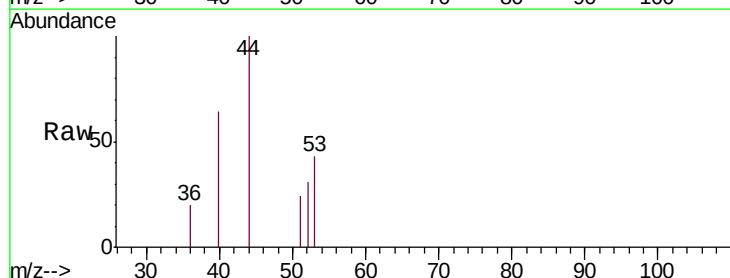
Tgt Ion: 53 Resp: 813

Ion Ratio Lower Upper

53 100

52 0.0 41.5 124.5#

51 51.3 18.7 56.1



Abundance Ion 53.00 (52.70 to 53.70): VNO

Ion 52.00 (51.70 to 52.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

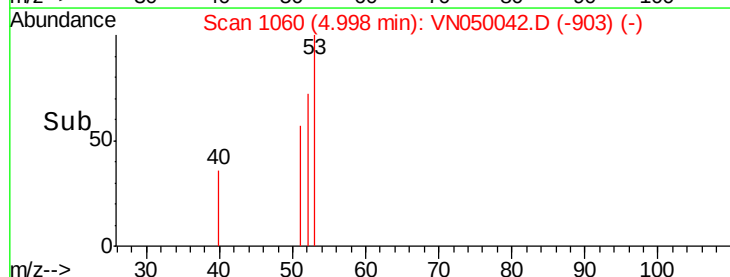
600

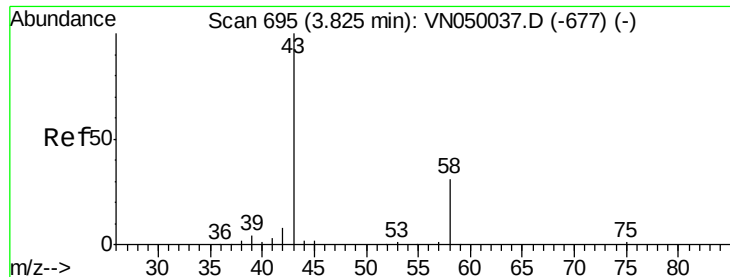
400

200

0

Time-->





#15

Acetone

Concen: 0.62 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050042.D

Acq: 25 Jul 2018 11:25

Instrument :

MSVOA_N

ClientSampled :

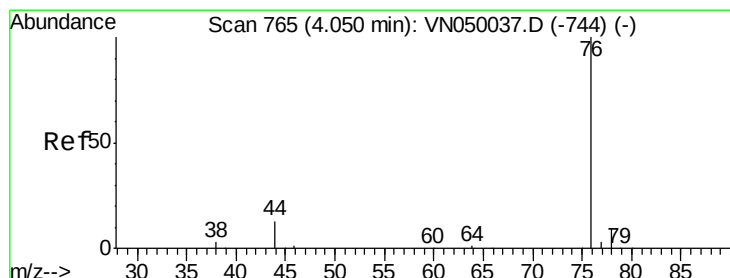
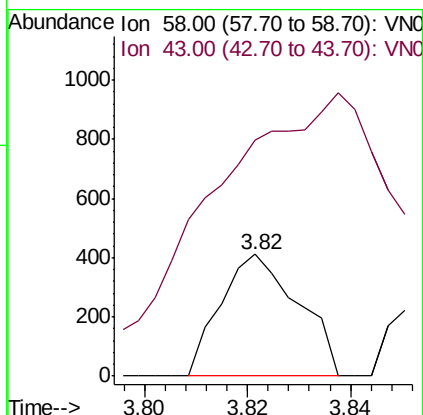
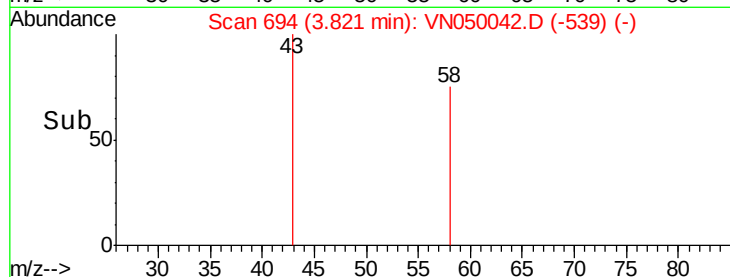
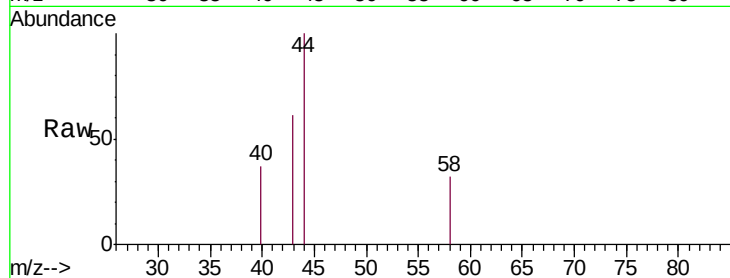
VN0725WBL01

Tot Ion: 58 Resp: 430

Ion Ratio Lower Upper

58 100

43 65.0 252.0 378.0#



#16

Carbon Disulfide

Concen: 0.81 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN050042.D

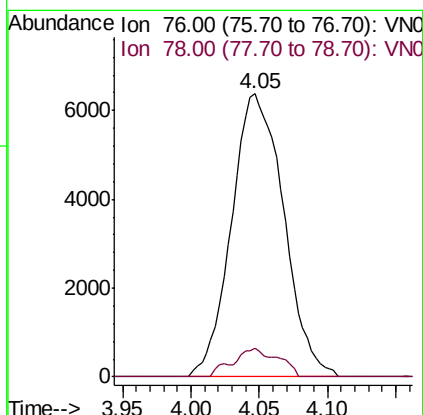
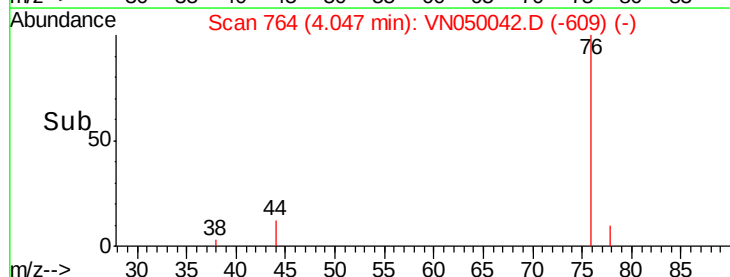
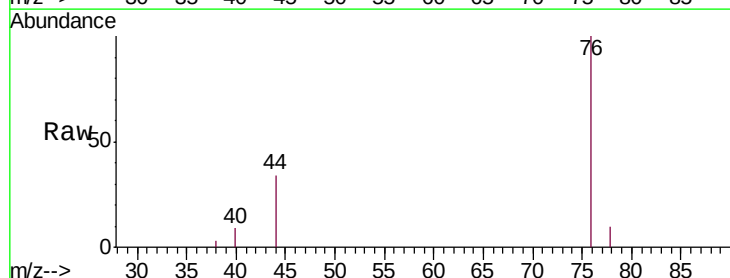
Acq: 25 Jul 2018 11:25

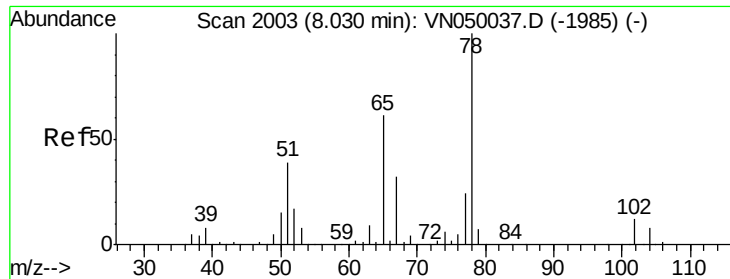
Tgt Ion: 76 Resp: 16941

Ion Ratio Lower Upper

76 100

78 10.0 7.3 10.9

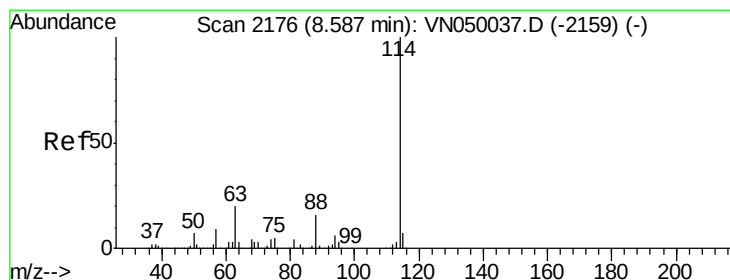
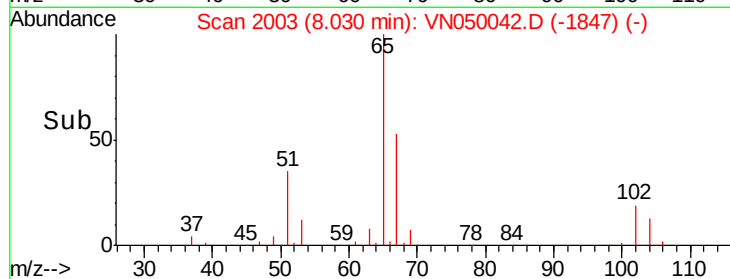
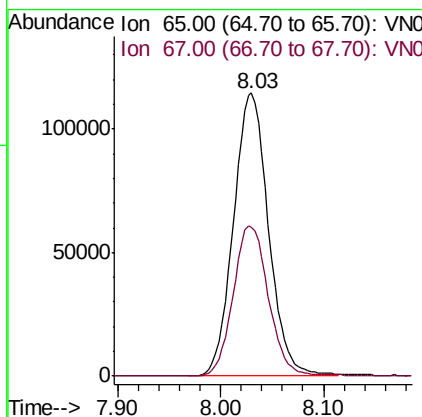
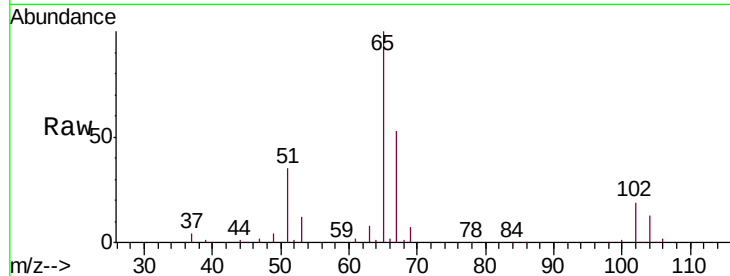




#27
 1,2-Dichloroethane-d4
 Concen: 31.01 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050042.D
 Acq: 25 Jul 2018 11:25

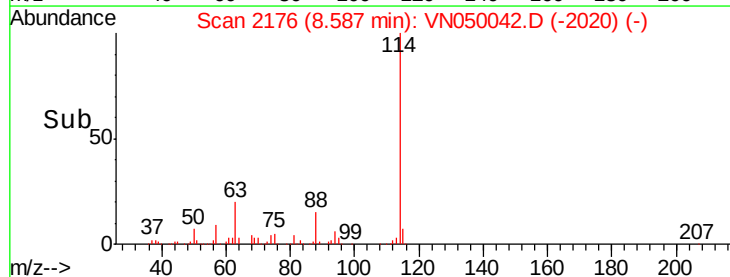
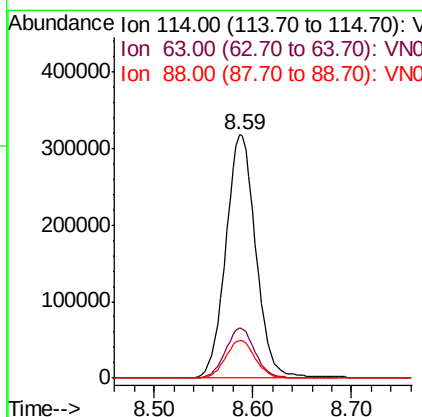
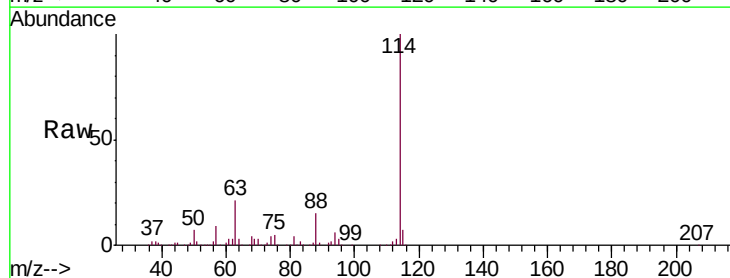
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBL01

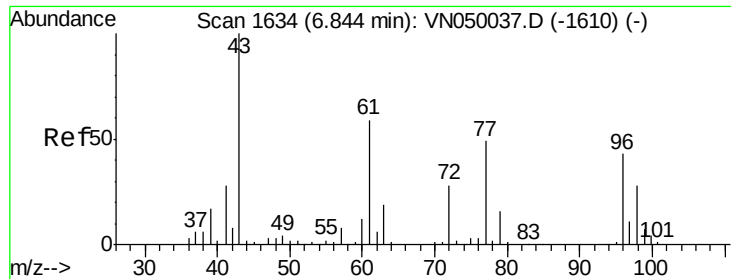
Tot Ion: 65 Resp: 271060
 Ion Ratio Lower Upper
 65 100
 67 53.3 42.7 64.1



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050042.D
 Acq: 25 Jul 2018 11:25

Tgt Ion: 114 Resp: 676471
 Ion Ratio Lower Upper
 114 100
 63 20.1 16.2 24.2
 88 15.3 12.3 18.5

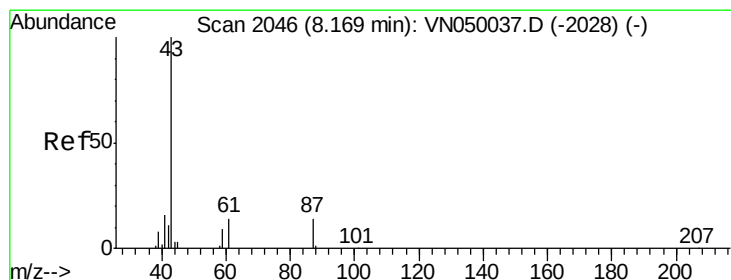
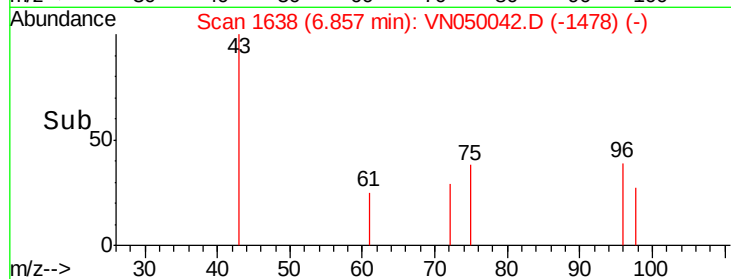
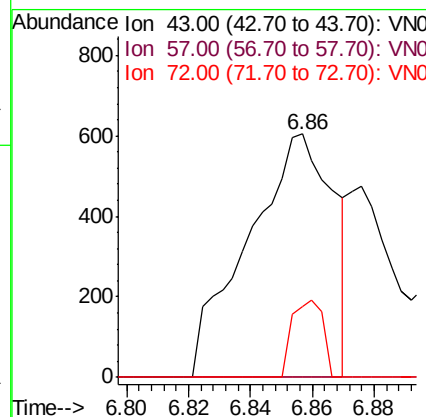
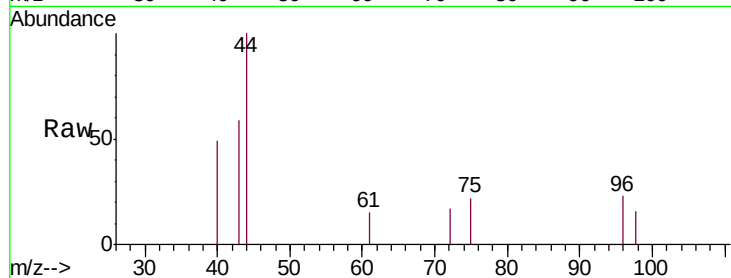




#30
 2-Butanone
 Concen: 0.35 ug/l
 RT: 6.86 min Scan# 1638
 Delta R.T. 0.01 min
 Lab File: VN050042.D
 Acq: 25 Jul 2018 11:25

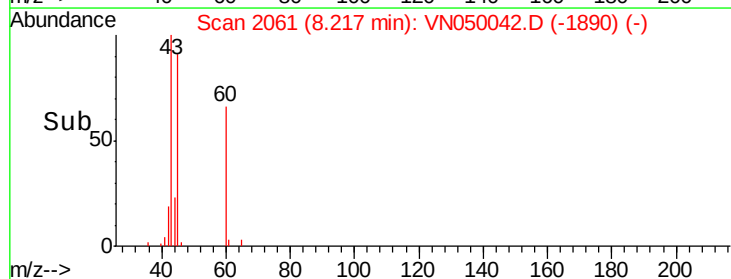
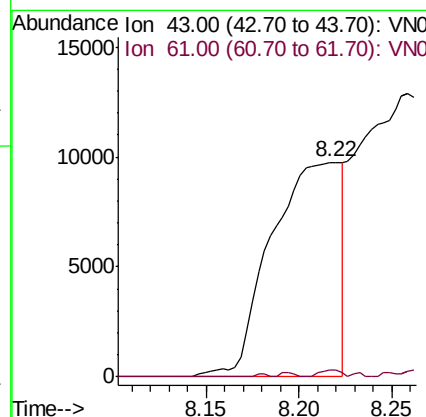
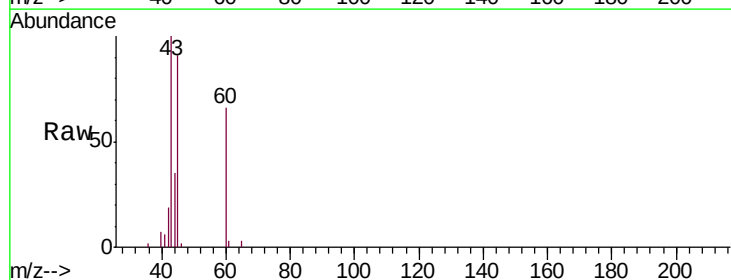
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBL01

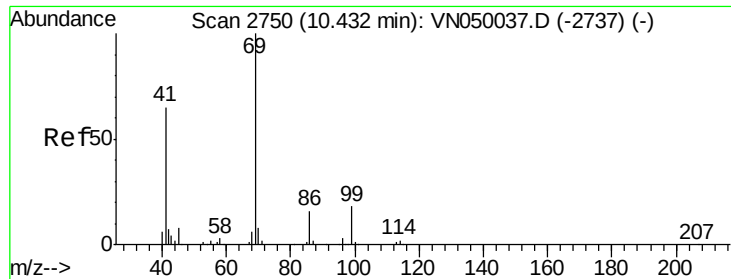
Tot Ion: 43 Resp: 1160
 Ion Ratio Lower Upper
 43 100
 57 0.0 6.8 10.2#
 72 11.5 21.4 32.0#



#44
 Isopropyl Acetate
 Concen: 2.01 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.05 min
 Lab File: VN050042.D
 Acq: 25 Jul 2018 11:25

Tgt Ion: 43 Resp: 25565
 Ion Ratio Lower Upper
 43 100
 61 1.0 16.4 24.6#





#51

Ethyl methacrylate

Concen: 0.31 ug/l

RT: 10.10 min Scan# 2646

Delta R.T. -0.33 min

Lab File: VN050042.D

Acq: 25 Jul 2018 11:25

Instrument :

MSVOA_N

ClientSampled :

VN0725WBL01

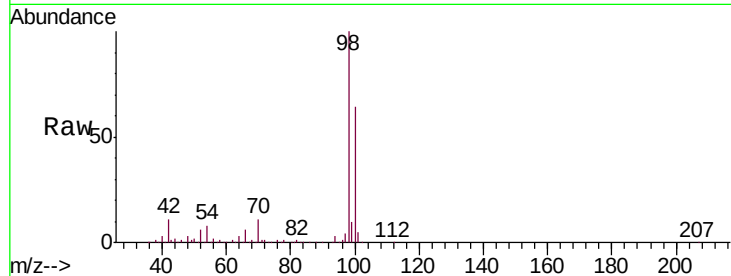
Tot Ion: 69 Resp: 2773

Ion Ratio Lower Upper

69 100

41 61.3 31.9 95.9

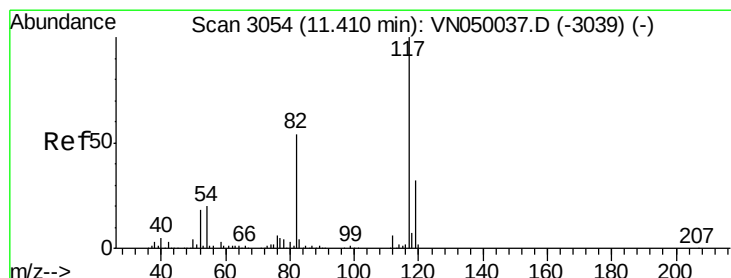
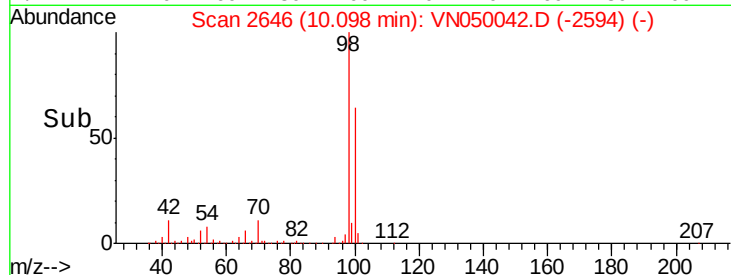
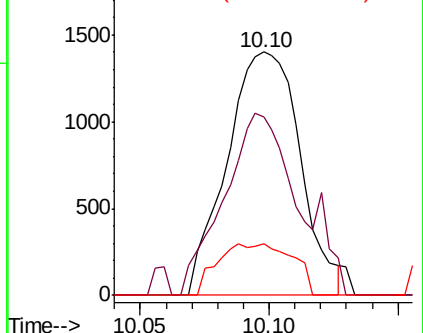
39 21.1 16.7 50.1



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050042.D

Acq: 25 Jul 2018 11:25

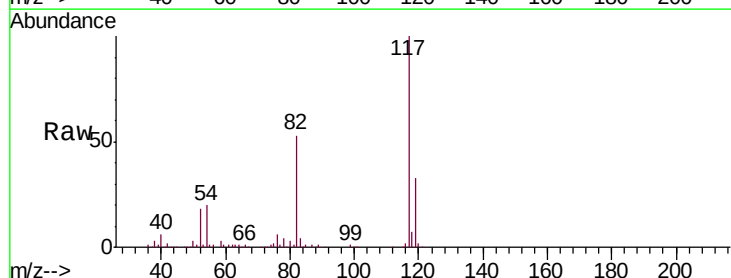
Tgt Ion: 117 Resp: 549628

Ion Ratio Lower Upper

117 100

82 54.0 42.4 63.6

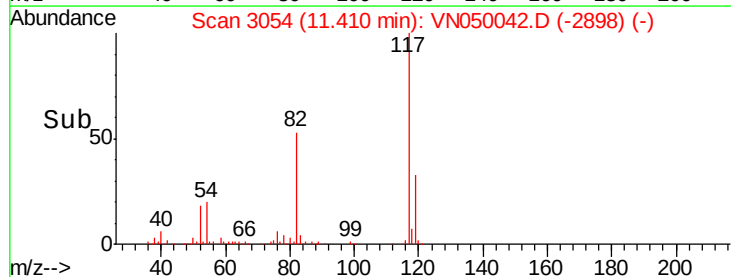
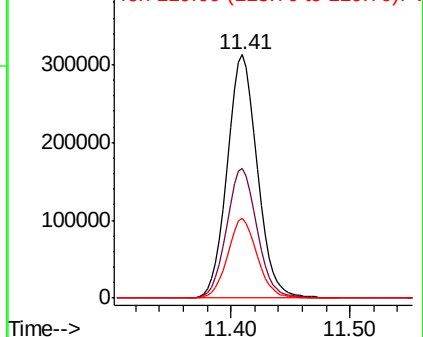
119 32.1 25.4 38.0

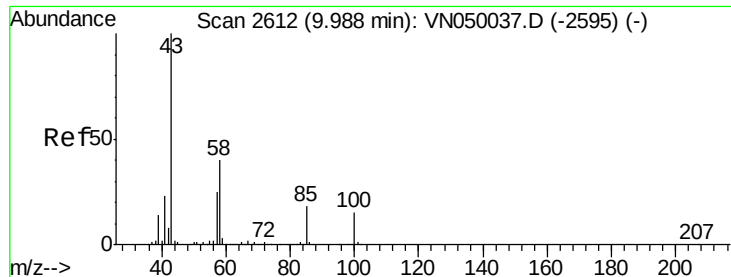


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 119.00 (118.70 to 119.70): V

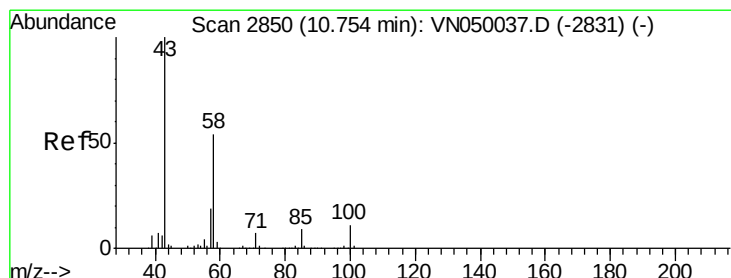
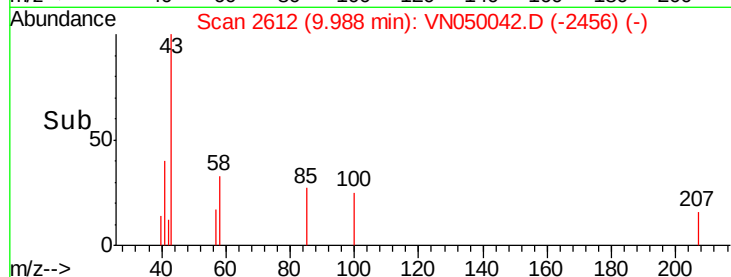
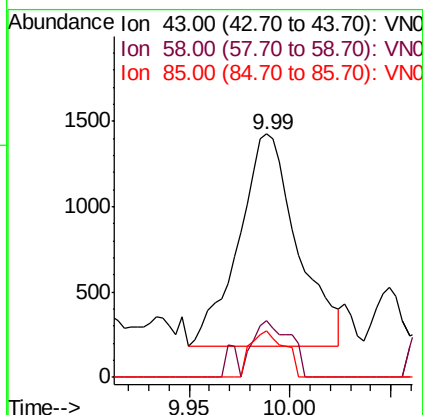
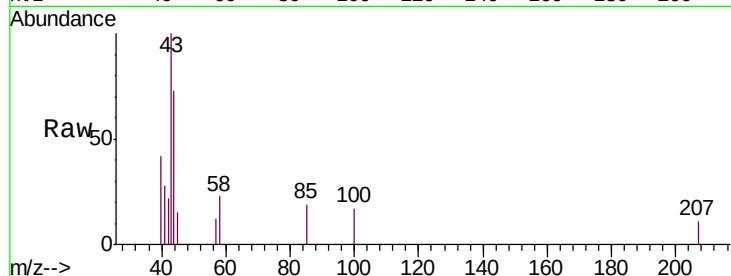




#58
 4-Methyl-2-Pentanone
 Concen: 0.40 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN050042.D
 Acq: 25 Jul 2018 11:25

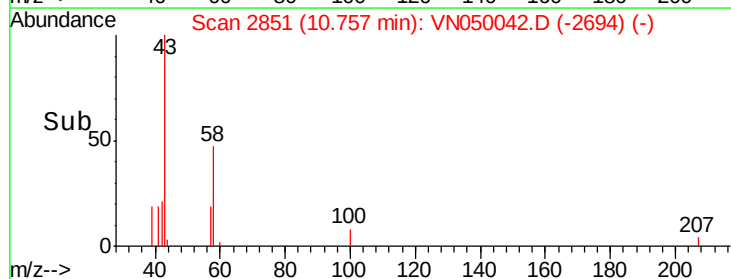
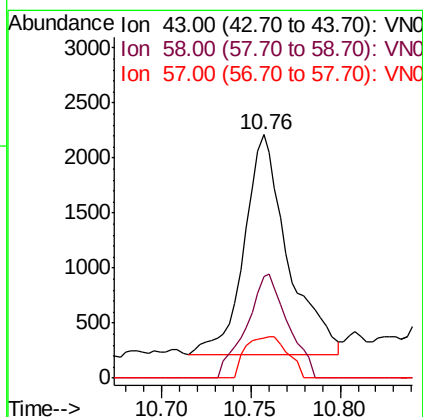
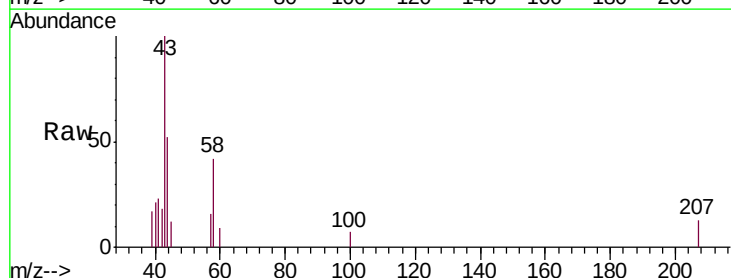
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBL01

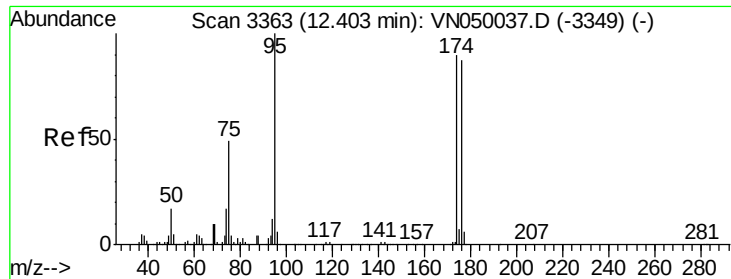
Tot Ion	Ratio	Lower	Upper
43	100		
58	11.8	31.2	46.8#
85	11.6	14.4	21.6#



#59
 2-Hexanone
 Concen: 0.79 ug/l
 RT: 10.76 min Scan# 2851
 Delta R.T. 0.00 min
 Lab File: VN050042.D
 Acq: 25 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
43	100		
58	44.6	43.8	65.8
57	18.1	15.1	22.7

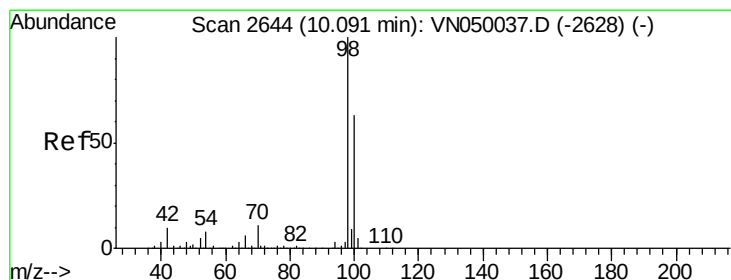
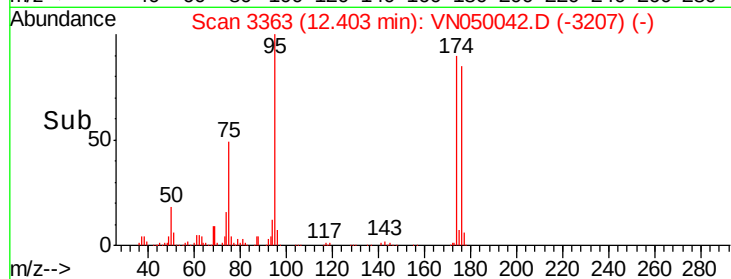
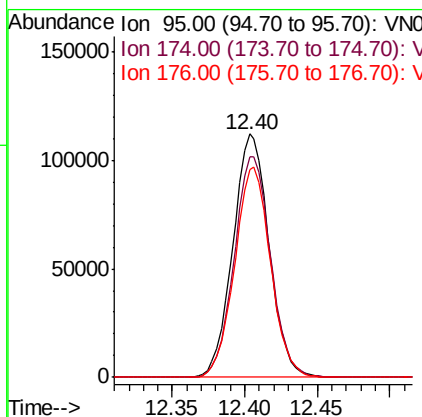
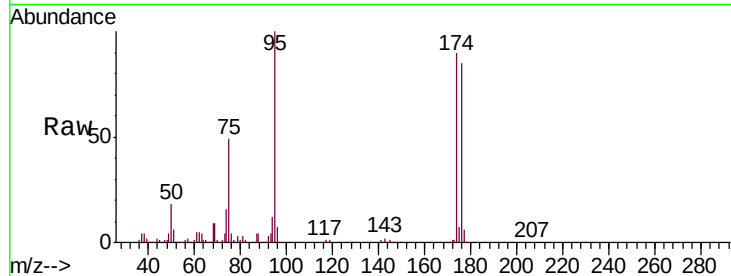




#60
4-Bromofluorobenzene
Concen: 22.92 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050042.D
Acq: 25 Jul 2018 11:25

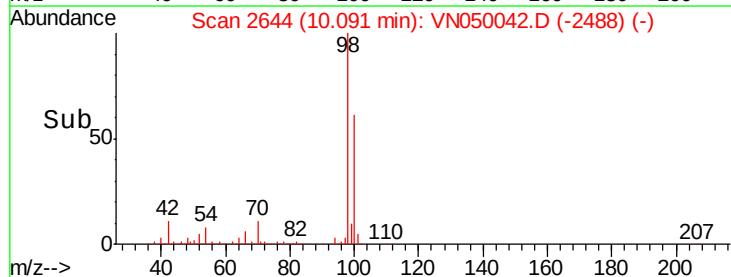
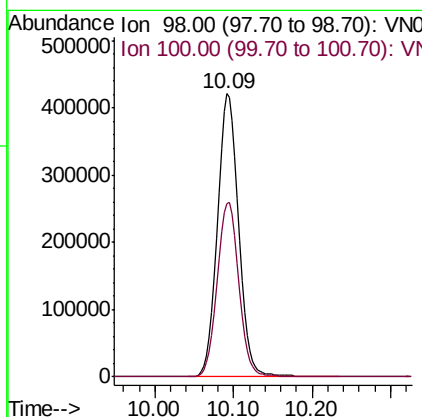
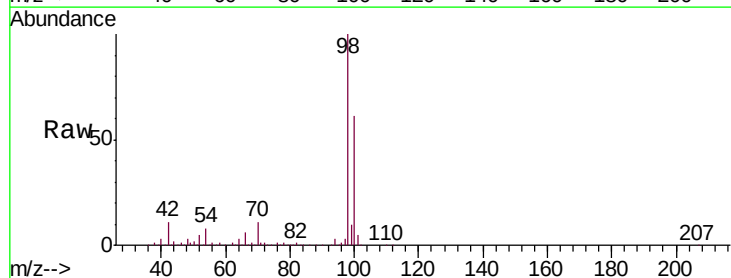
Instrument :
MSVOA_N
ClientSampleId :
VN0725WBL01

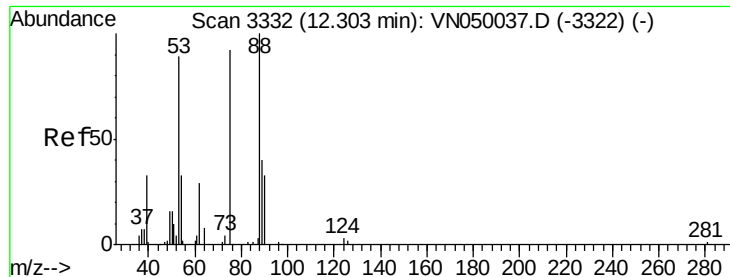
Tot Ion	95	Resp	193564
Ion Ratio	Lower	Upper	
95	100		
174	91.5	72.3	108.5
176	85.9	70.0	105.0



#63
Toluene-d8
Concen: 29.77 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050042.D
Acq: 25 Jul 2018 11:25

Tgt Ion	98	Resp	781476
Ion Ratio	Lower	Upper	
98	100		
100	63.0	51.2	76.8

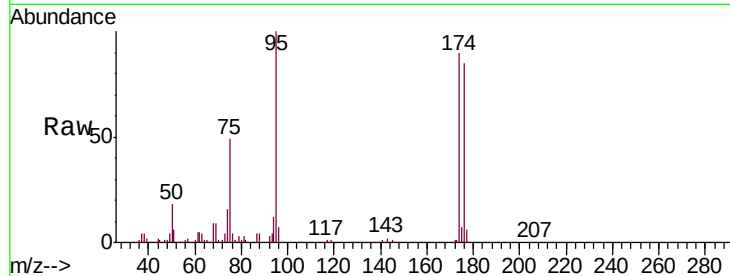




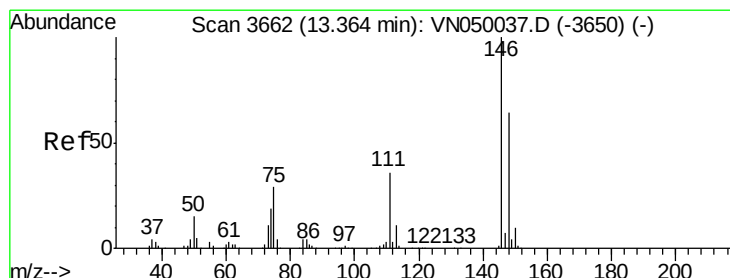
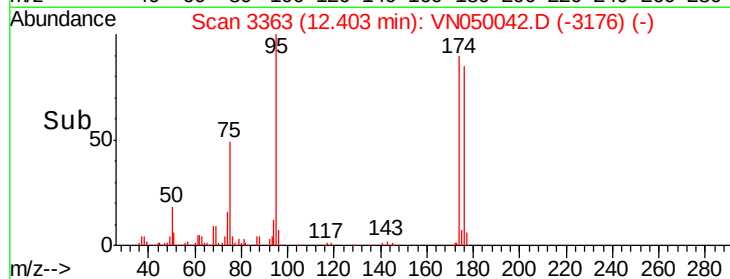
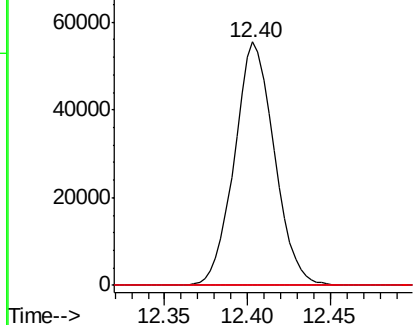
#77
t-1,4-Dichloro-2-butene
Concen: 38.75 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN050042.D
Acq: 25 Jul 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBL01

Tot Ion: 75 Resp: 92831
Ion Ratio Lower Upper
75 100
53 0.4 44.6 134.0#
89 0.0 20.7 62.1#

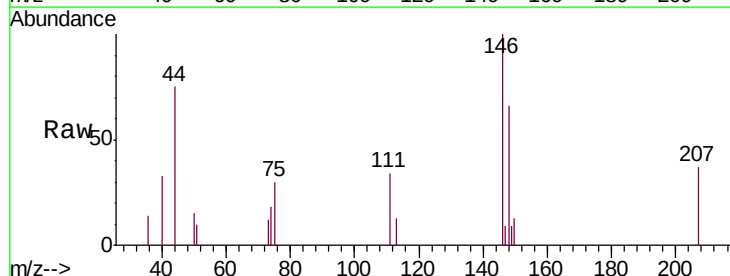


Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0

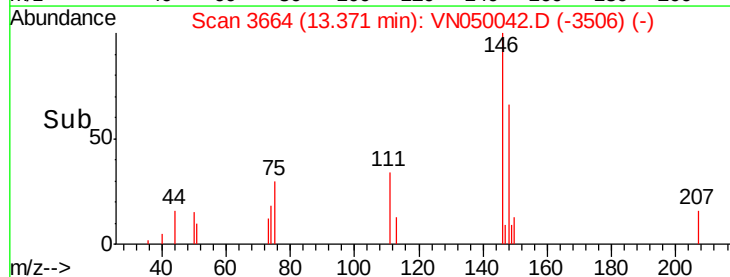
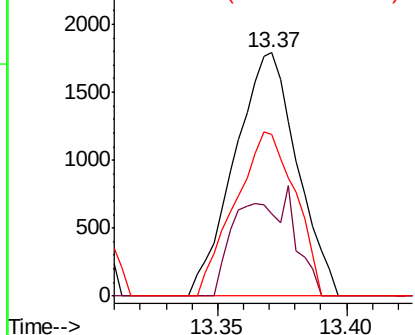


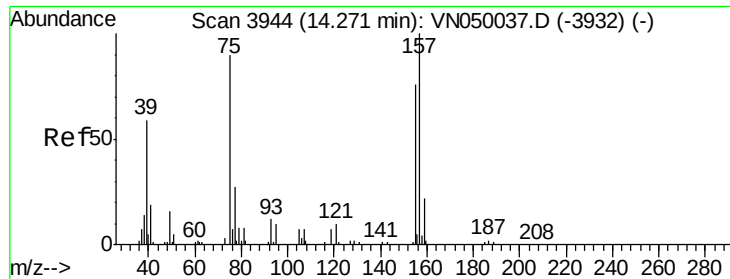
#84
1,4-Dichlorobenzene
Concen: 0.22 ug/l
RT: 13.37 min Scan# 3664
Delta R.T. 0.01 min
Lab File: VN050042.D
Acq: 25 Jul 2018 11:25

Tgt Ion: 146 Resp: 3021
Ion Ratio Lower Upper
146 100
111 29.0 17.9 53.8
148 65.1 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#88

1,2-Dibromo-3-Chloropropane

Concen: 0.27 ug/l

RT: 14.27 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VN050042.D

Acq: 25 Jul 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBL01

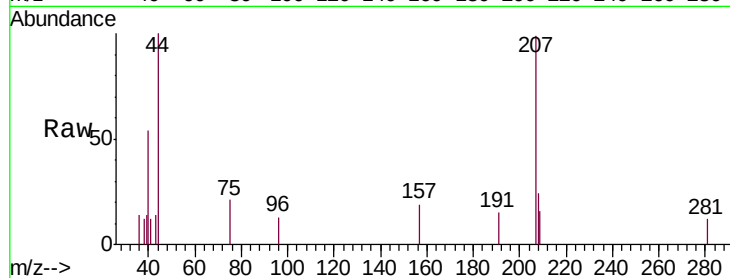
Tot Ion: 75 Resp: 359

Ion Ratio Lower Upper

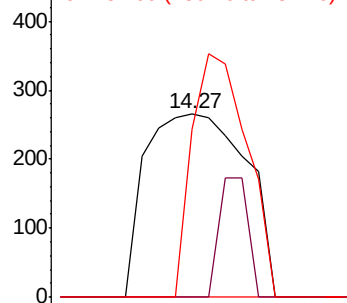
75 100

155 18.4 73.0 109.6#

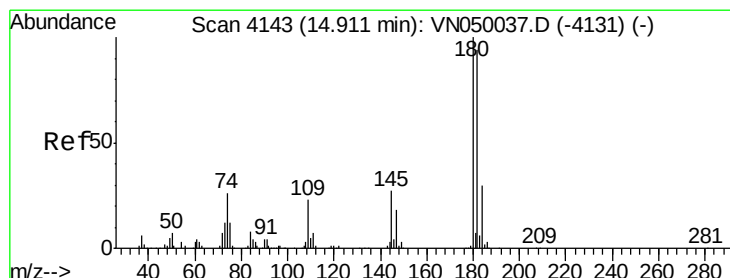
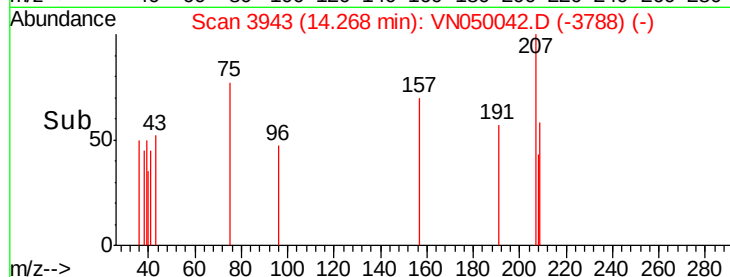
157 72.7 94.9 142.3#



Abundance Ion 75.00 (74.70 to 75.70): VN050037.D (-3932) (-)



Time-->



#89

1,2,4-Trichlorobenzene

Concen: 0.32 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN050042.D

Acq: 25 Jul 2018 11:25

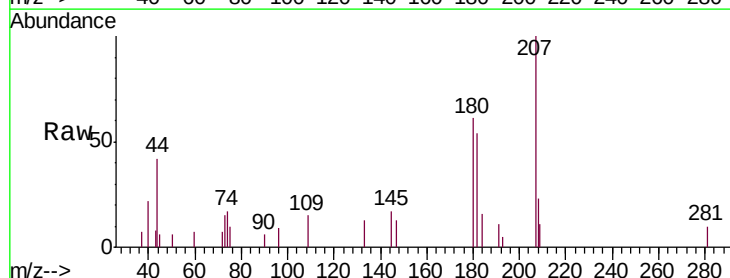
Tgt Ion: 180 Resp: 2176

Ion Ratio Lower Upper

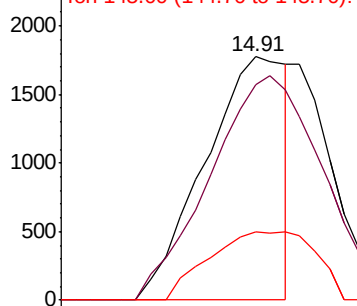
180 100

182 128.3 76.7 115.1#

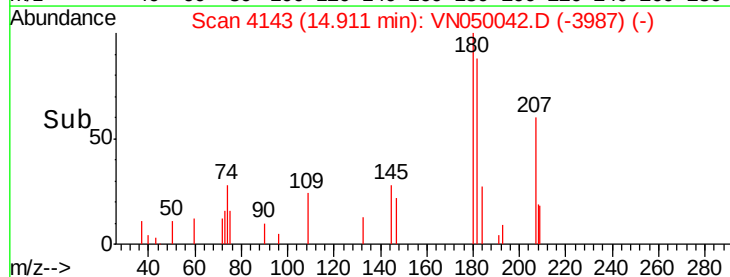
145 36.4 23.4 35.0#

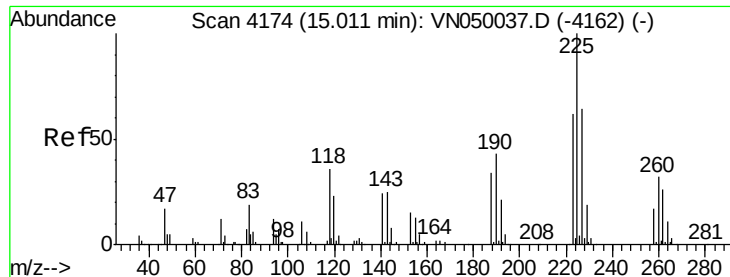


Abundance Ion 180.00 (179.70 to 180.70): VN050037.D (-4131) (-)



Time-->





#90

Hexachlorobutadiene

Concen: 0.39 ug/l

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN050042.D

Acq: 25 Jul 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBL01

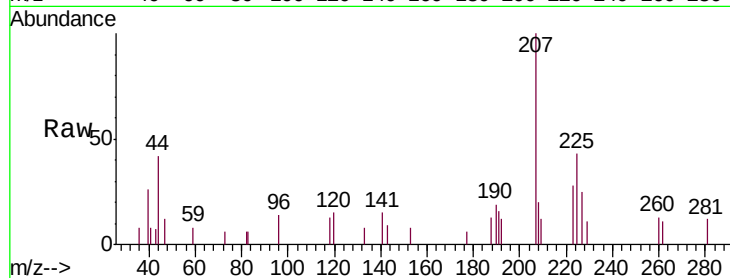
Tot Ion:225 Resp: 1751

Ion Ratio Lower Upper

225 100

223 42.3 0.0 124.4

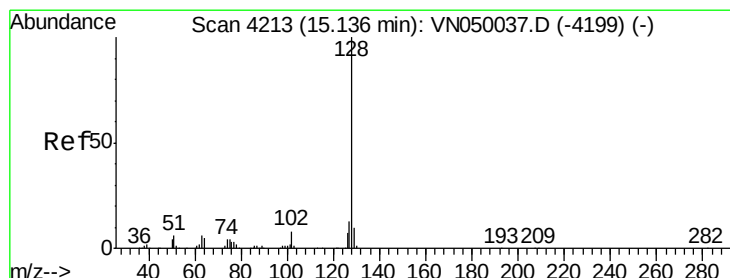
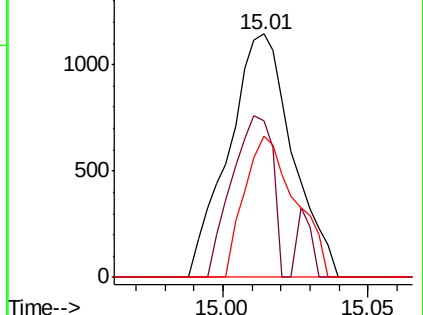
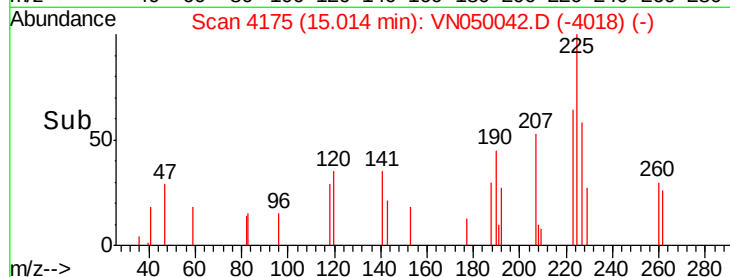
227 46.4 0.0 133.0



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 8.03 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN050042.D

Acq: 25 Jul 2018 11:25

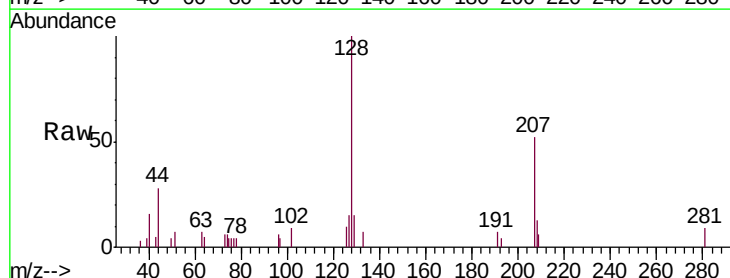
Tgt Ion:128 Resp: 8201

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

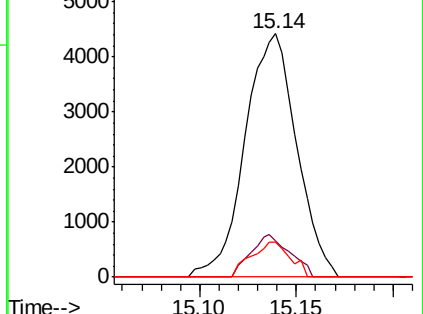
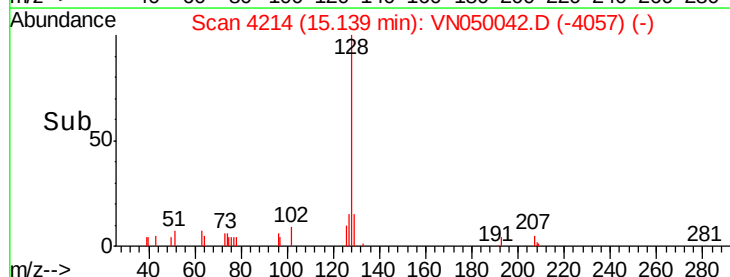
129 10.2 9.0 13.4

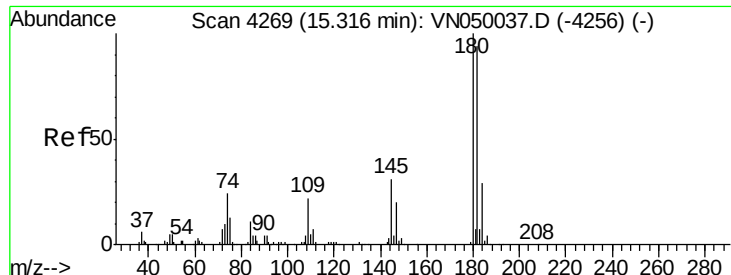


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

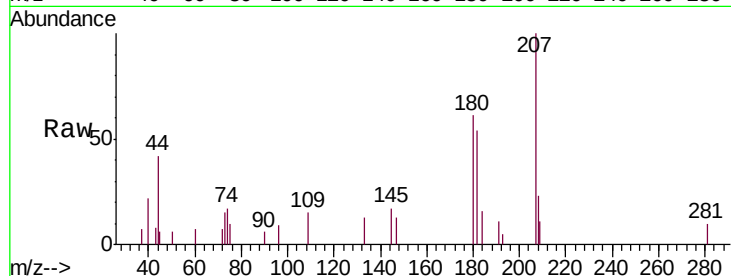




#92
 1,2,3-Trichlorobenzene
 Concen: 0.32 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.41 min
 Lab File: VN050042.D
 Acq: 25 Jul 2018 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	128.3	0.0	188.8
145	36.4	0.0	60.8



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

