

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082718\
 Data File : VN050901.D
 Acq On : 27 Aug 2018 17:50
 Operator : MD\SY
 Sample : VN0827WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBL02

Quant Time: Aug 28 01:57:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	72127	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	364461	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	289408	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	143241	29.22	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.40%
60) 4-Bromofluorobenzene	12.40	95	93244	20.97	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	69.90%
63) Toluene-d8	10.09	98	408659	29.56	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.53%

Target Compounds

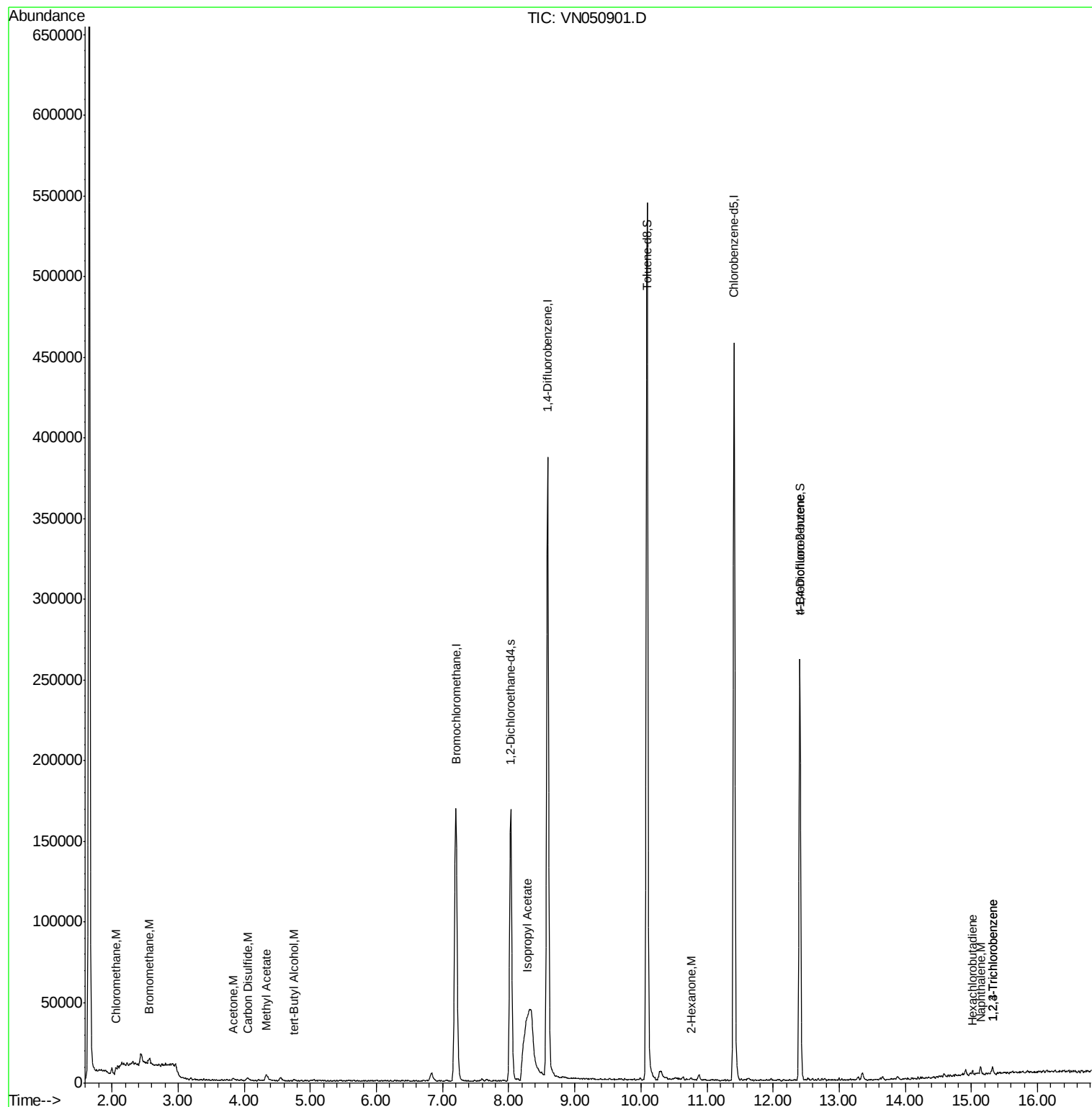
						Ovalue
3) Chloromethane	2.06	50	2081	0.41	ug/l	96
5) Bromomethane	2.57	94	2661	0.80	ug/l	96
12) Methyl Acetate	4.33	43	6693	1.52	ug/l	96
15) Acetone	3.82	58	90	0.23	ug/l #	1
16) Carbon Disulfide	4.05	76	3204	0.27	ug/l #	88
23) tert-Butyl Alcohol	4.75	59	89	0.27	ug/l #	100
44) Isopropyl Acetate	8.27	43	49561	7.22	ug/l #	56
59) 2-Hexanone	10.76	43	1490	0.65	ug/l #	62
77) t-1,4-Dichloro-2-butene	12.40	75	43928	34.82	ug/l #	14
89) 1,2,4-Trichlorobenzene	15.32	180	1623	0.46	ug/l	90
90) Hexachlorobutadiene	15.01	225	485	0.21	ug/l	73
91) Naphthalene	15.14	128	3769	7.98	ug/l #	92
92) 1,2,3-Trichlorobenzene	15.32	180	1623	0.45	ug/l	92

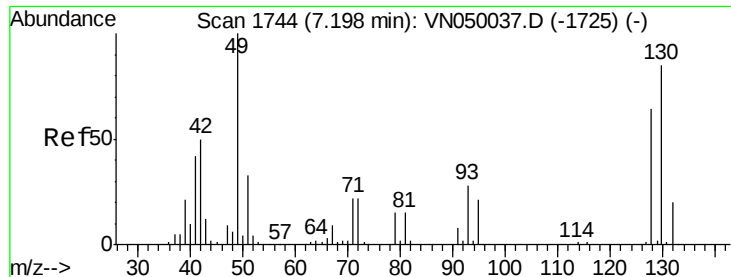
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN082718\
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ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBL02

Quant Time: Aug 28 01:57:22 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 15:21:50 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050901.D

Acq: 27 Aug 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBL02

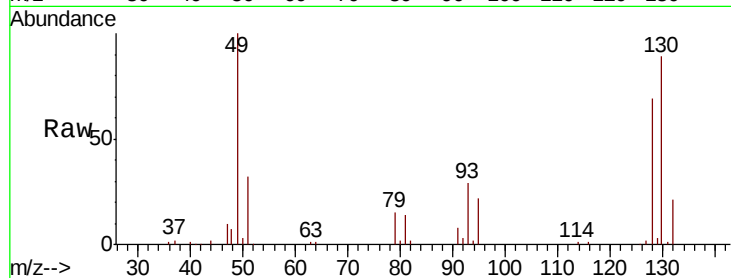
Tot Ion:128 Resp: 72127

Ion Ratio Lower Upper

128 100

49 149.1 0.0 378.3

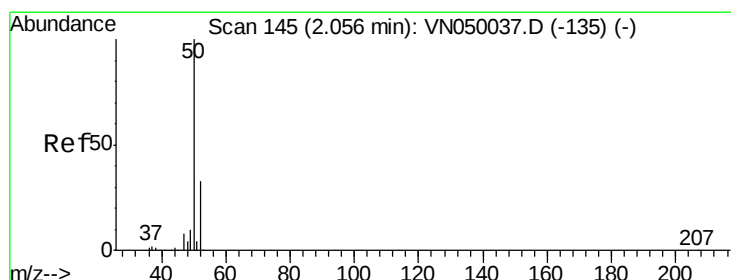
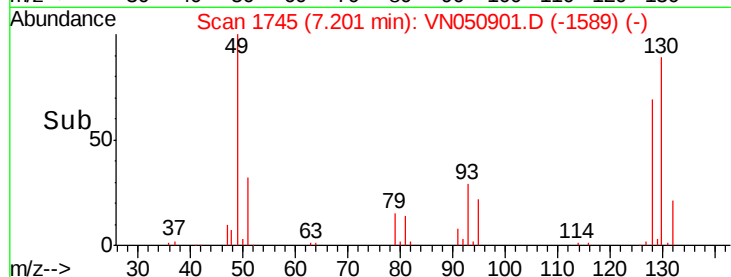
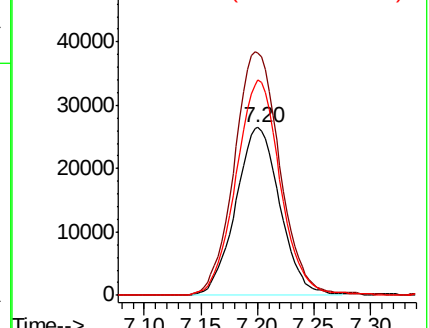
130 128.8 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 0.41 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050901.D

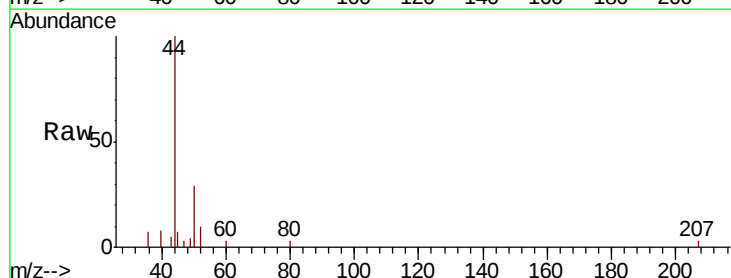
Acq: 27 Aug 2018 17:50

Tgt Ion: 50 Resp: 2081

Ion Ratio Lower Upper

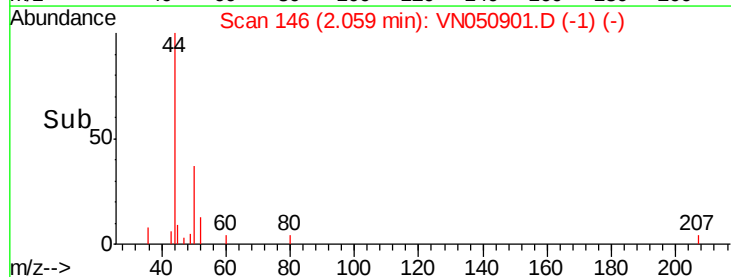
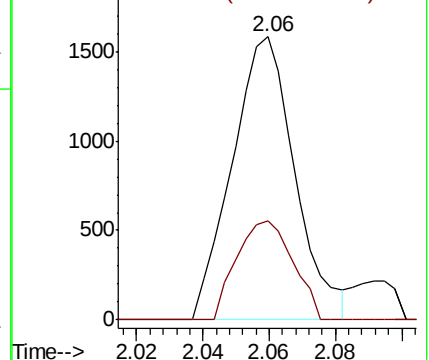
50 100

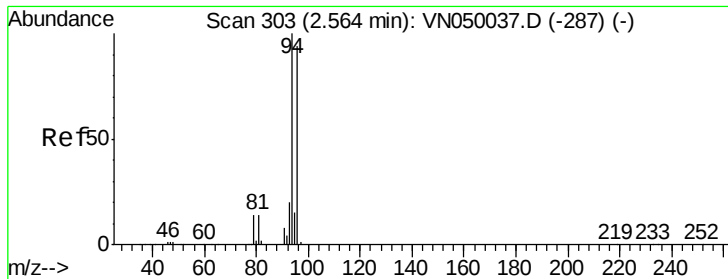
52 35.0 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#5

Bromomethane

Concen: 0.80 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050901.D

Acq: 27 Aug 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

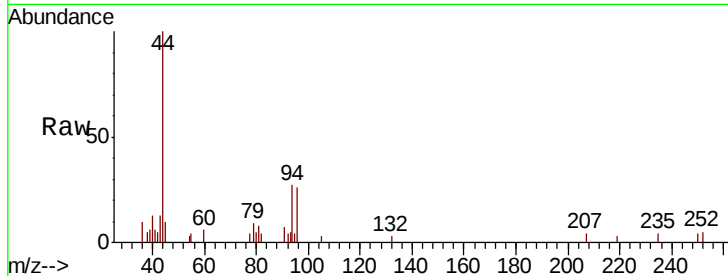
VN0827WBL02

Tot Ion: 94 Resp: 2661

Ion Ratio Lower Upper

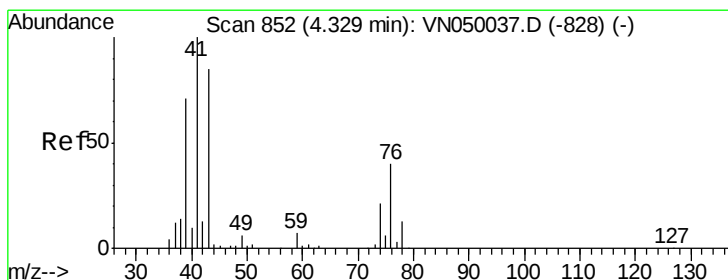
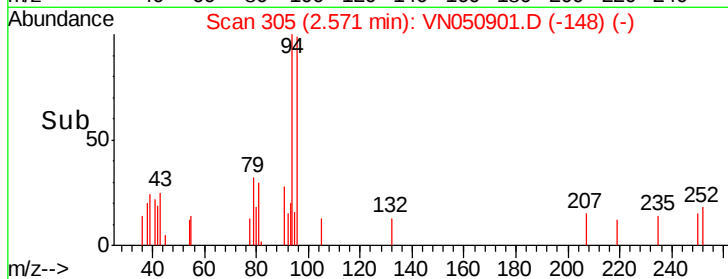
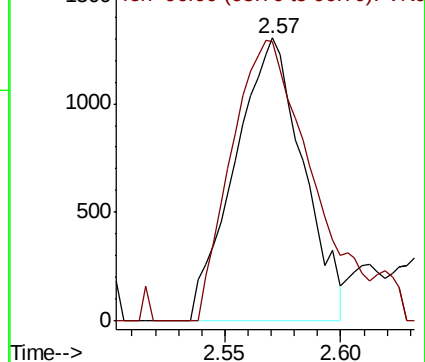
94 100

96 98.8 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#12

Methyl Acetate

Concen: 1.52 ug/l

RT: 4.33 min Scan# 852

Delta R.T. -0.00 min

Lab File: VN050901.D

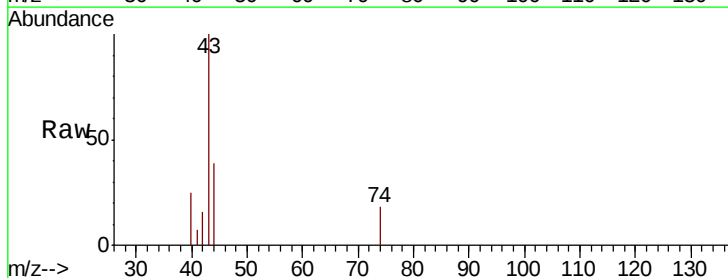
Acq: 27 Aug 2018 17:50

Tgt Ion: 43 Resp: 6693

Ion Ratio Lower Upper

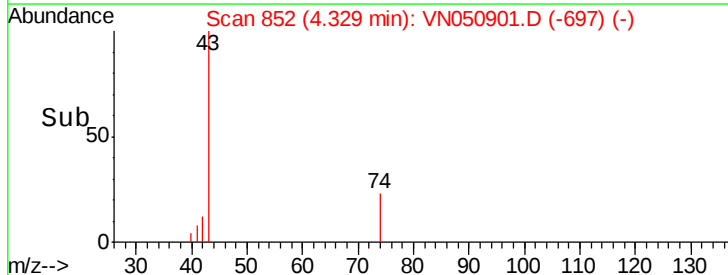
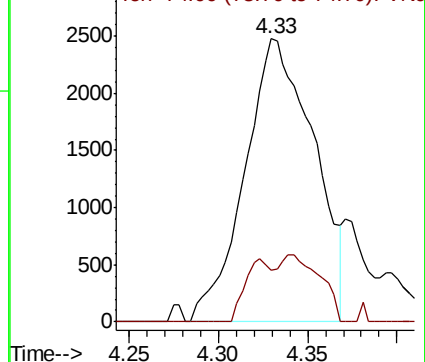
43 100

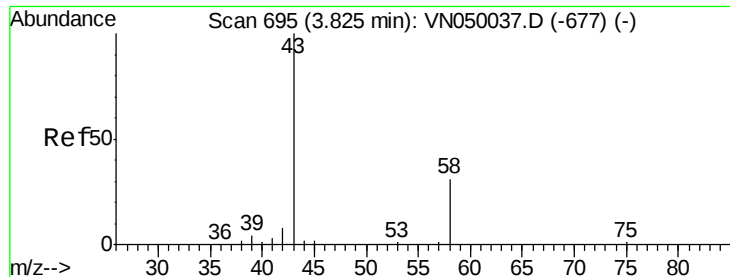
74 22.0 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#15

Acetone

Concen: 0.23 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.01 min

Lab File: VN050901.D

Acq: 27 Aug 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

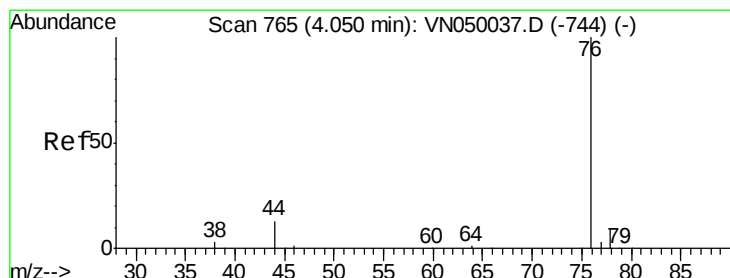
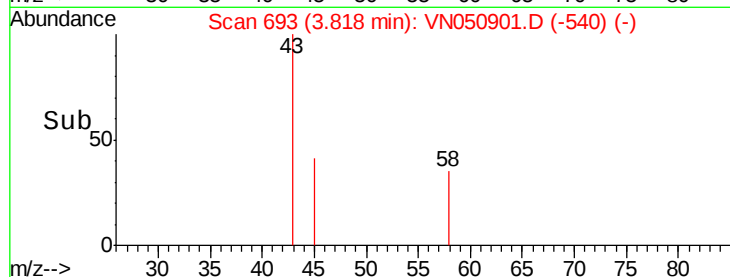
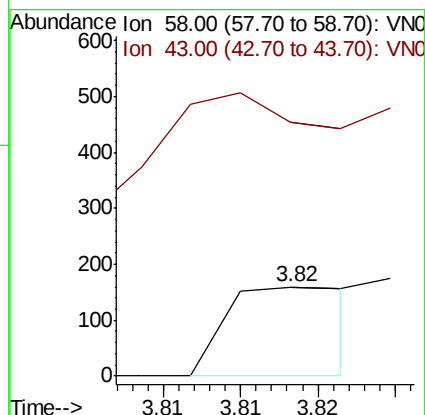
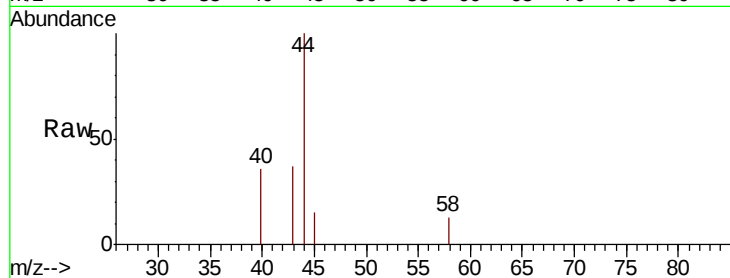
VN0827WBL02

Tot Ion: 58 Resp: 90

Ion Ratio Lower Upper

58 100

43 7.5 252.0 378.0#



#16

Carbon Disulfide

Concen: 0.27 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050901.D

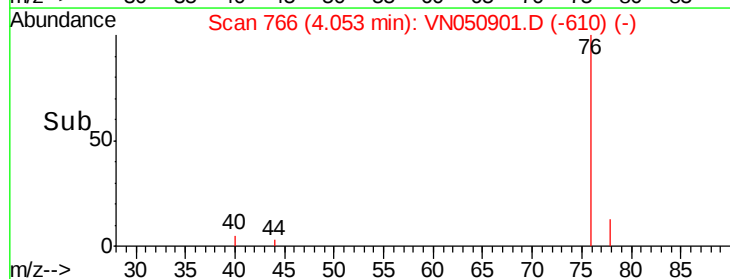
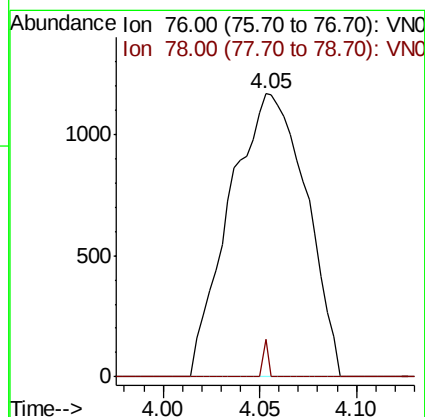
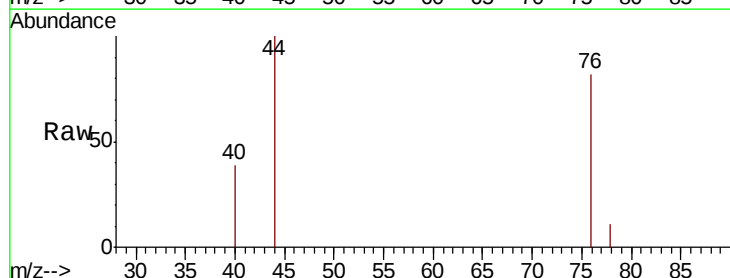
Acq: 27 Aug 2018 17:50

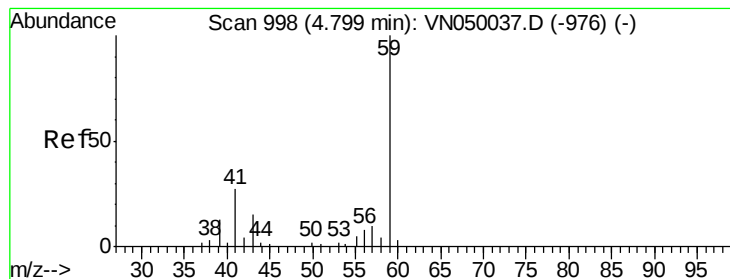
Tgt Ion: 76 Resp: 3204

Ion Ratio Lower Upper

76 100

78 13.5 7.3 10.9#



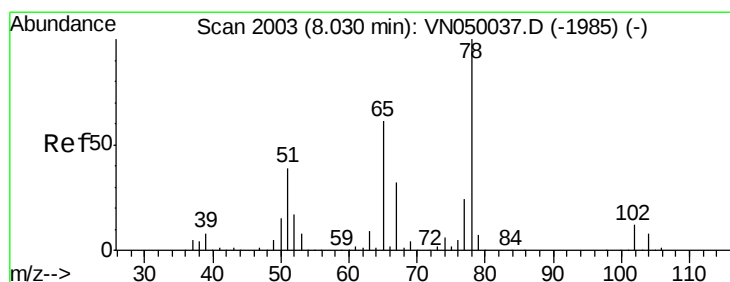
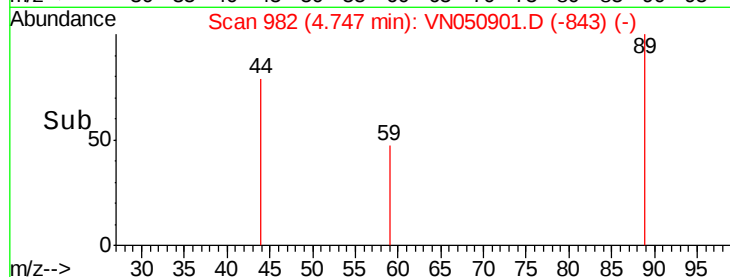
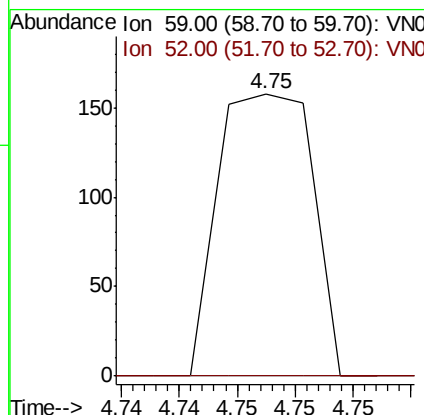
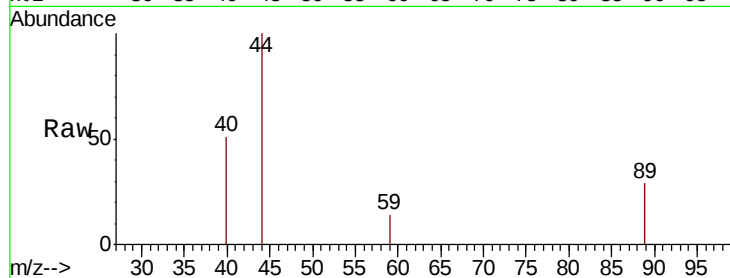


#23

tert-Butyl Alcohol
 Concen: 0.27 ug/l
 RT: 4.75 min Scan# 982
 Delta R.T. -0.05 min
 Lab File: VN050901.D
 Acq: 27 Aug 2018 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBL02

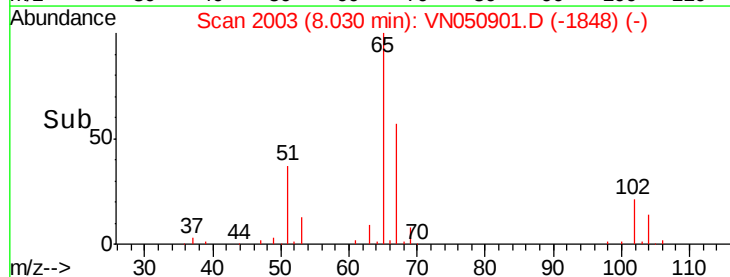
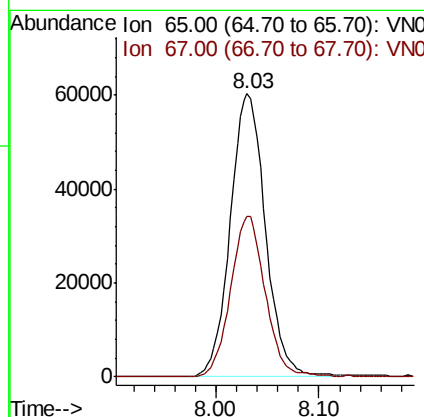
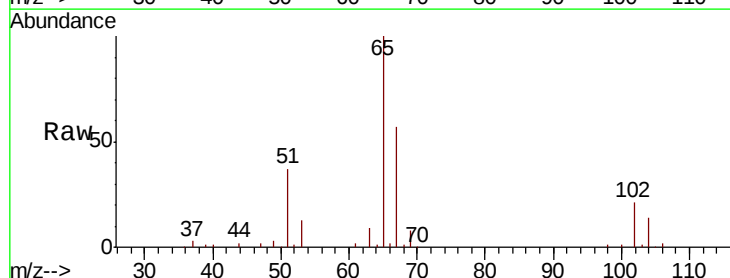
Tot Ion: 59 Resp: 89
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

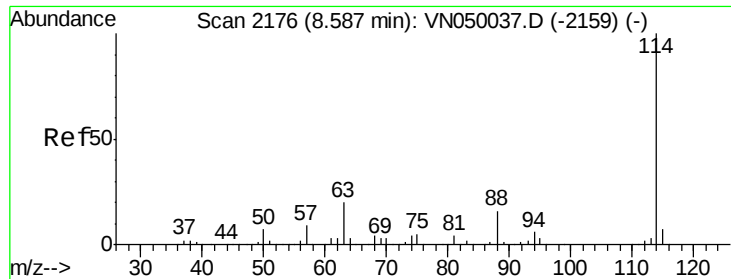


#27

1,2-Dichloroethane-d4
 Concen: 29.22 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050901.D
 Acq: 27 Aug 2018 17:50

Tgt Ion: 65 Resp: 143241
 Ion Ratio Lower Upper
 65 100
 67 55.2 42.7 64.1

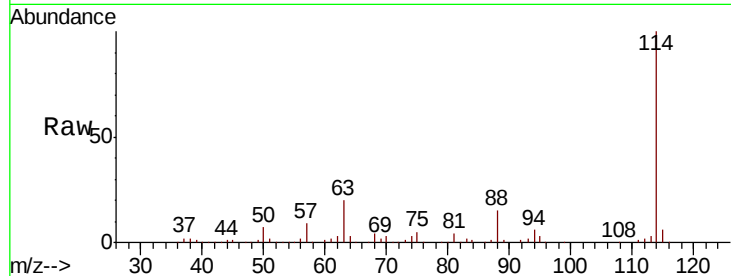




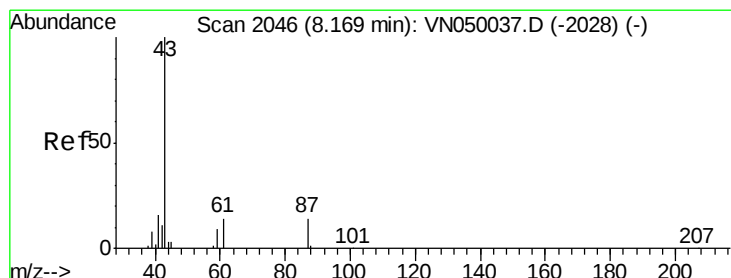
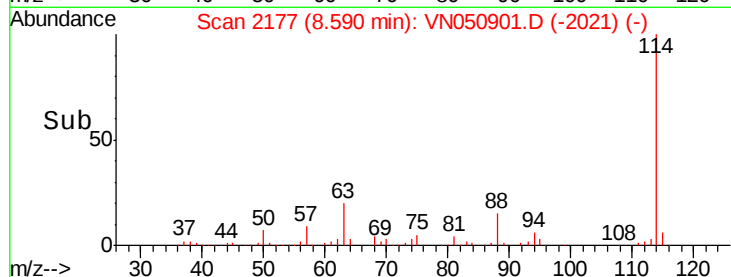
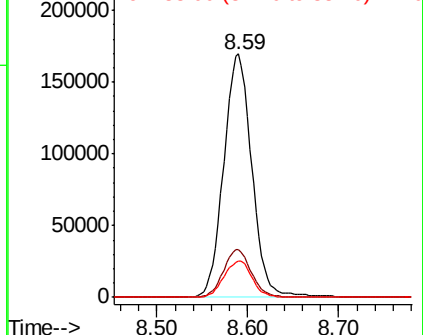
#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050901.D
 Acq: 27 Aug 2018 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBL02

Tot Ion:114 Resp: 364461
 Ion Ratio Lower Upper
 114 100
 63 19.5 16.2 24.2
 88 14.8 12.3 18.5

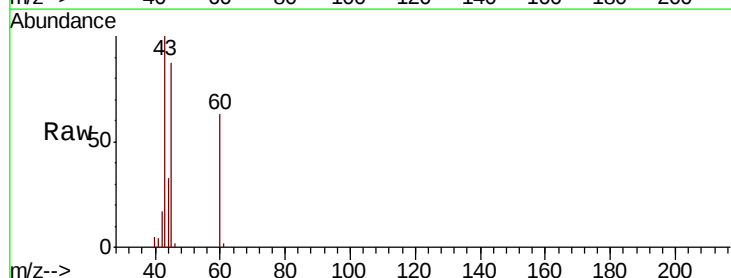


Abundance Ion 114.00 (113.70 to 114.70): VN050901.D (-2021) (-)
 Ion 63.00 (62.70 to 63.70): VN050901.D (-2021) (-)
 Ion 88.00 (87.70 to 88.70): VN050901.D (-2021) (-)

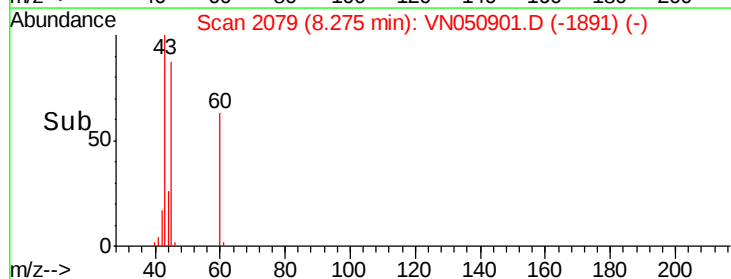
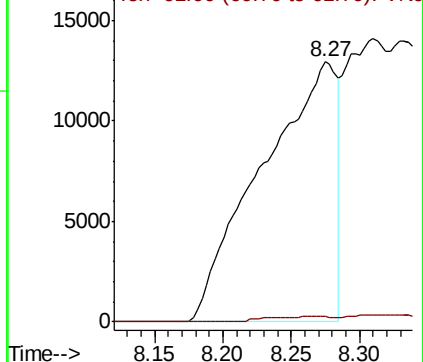


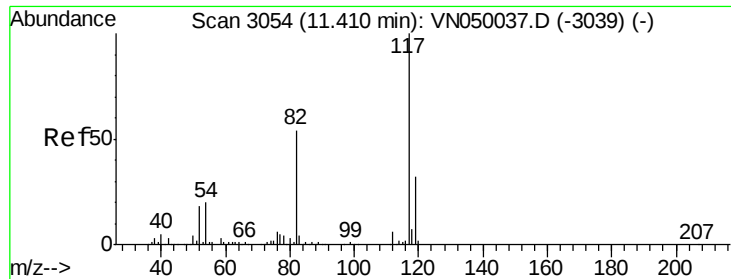
#44
 Isopropyl Acetate
 Concen: 7.22 ug/l
 RT: 8.27 min Scan# 2079
 Delta R.T. 0.11 min
 Lab File: VN050901.D
 Acq: 27 Aug 2018 17:50

Tgt Ion: 43 Resp: 49561
 Ion Ratio Lower Upper
 43 100
 61 0.1 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VN050901.D (-1891) (-)
 Ion 61.00 (60.70 to 61.70): VN050901.D (-1891) (-)

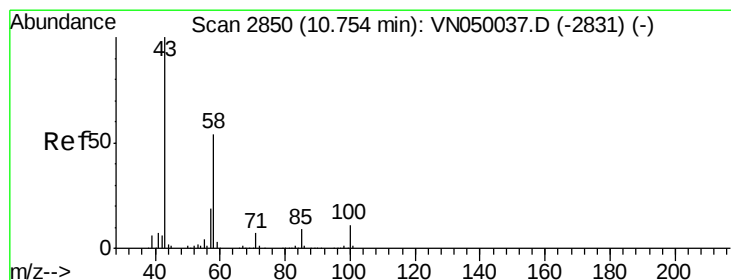
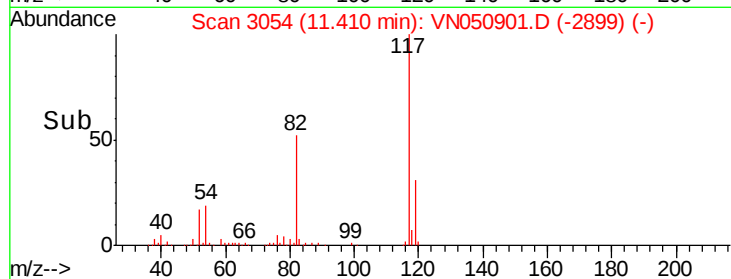
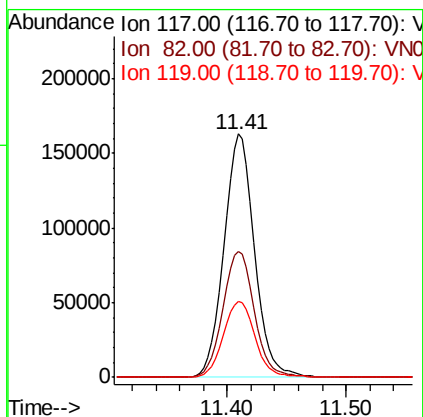
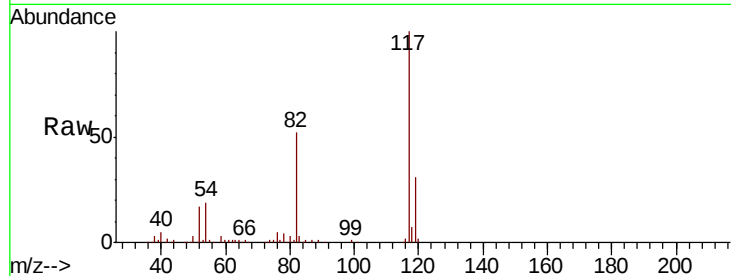




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050901.D
Acq: 27 Aug 2018 17:50

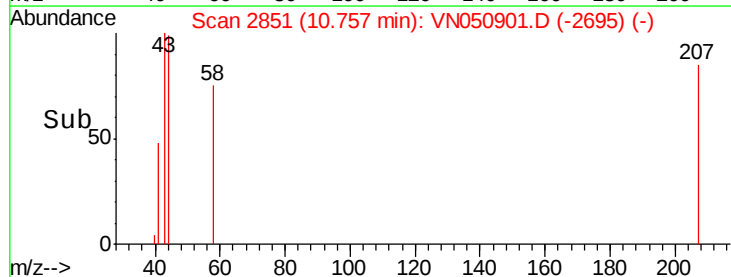
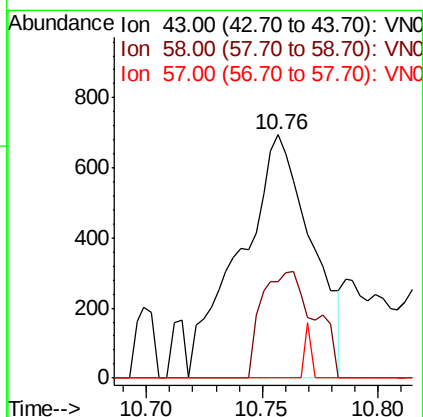
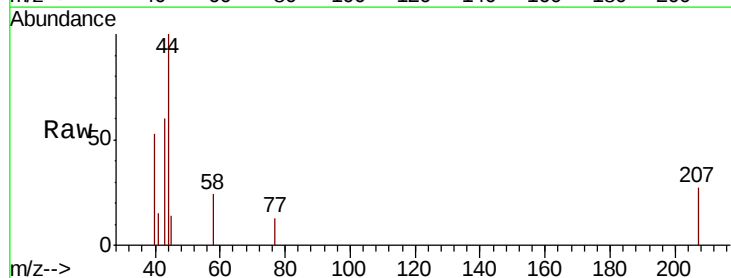
Instrument :
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VN0827WBL02

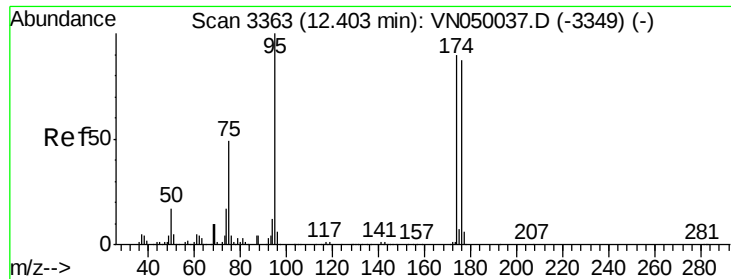
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.4	63.6
119	32.4	25.4	38.0



#59
2-Hexanone
Concen: 0.65 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050901.D
Acq: 27 Aug 2018 17:50

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.0	43.8	65.8#
57	0.0	15.1	22.7#

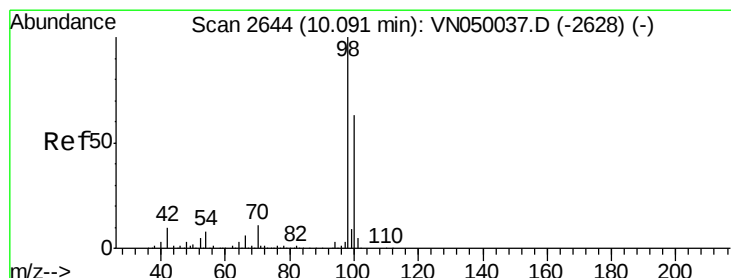
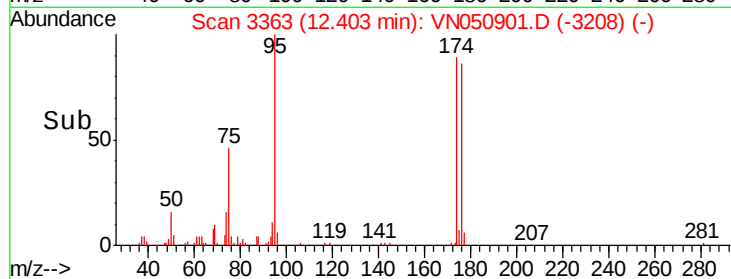
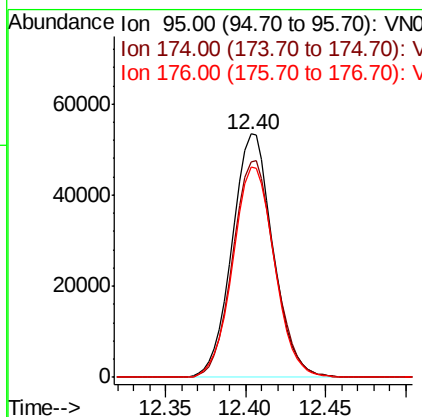
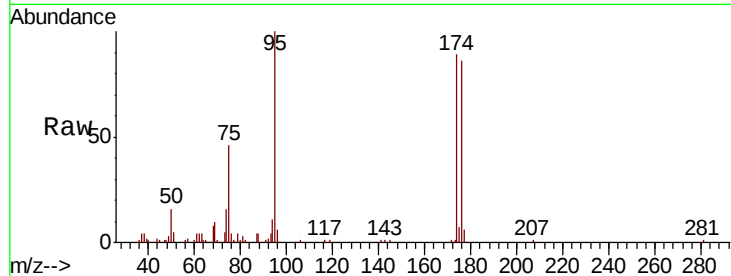




#60
4-Bromofluorobenzene
Concen: 20.97 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050901.D
Acq: 27 Aug 2018 17:50

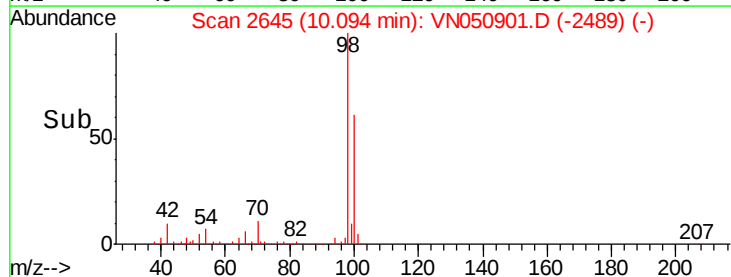
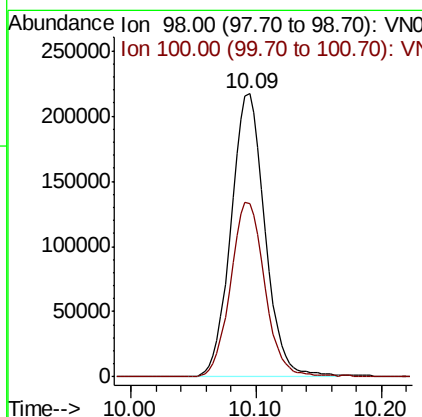
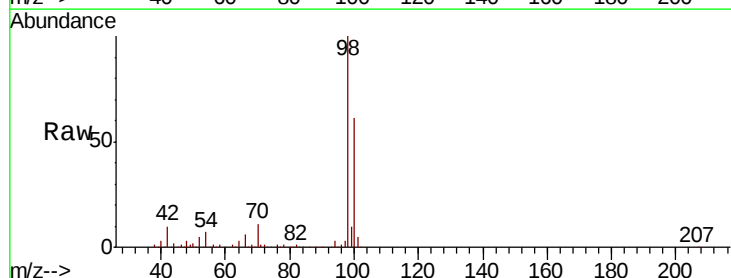
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBL02

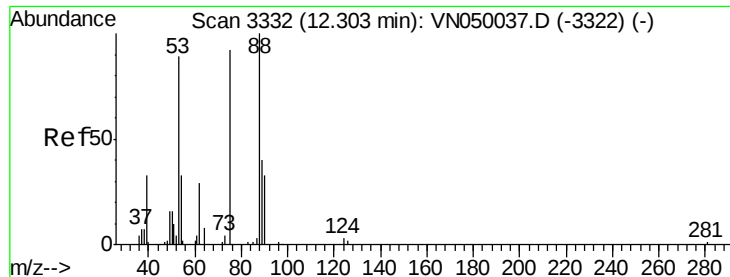
Tot Ion: 95 Resp: 93244
Ion Ratio Lower Upper
95 100
174 91.0 72.3 108.5
176 87.7 70.0 105.0



#63
Toluene-d8
Concen: 29.56 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050901.D
Acq: 27 Aug 2018 17:50

Tgt Ion: 98 Resp: 408659
Ion Ratio Lower Upper
98 100
100 62.0 51.2 76.8

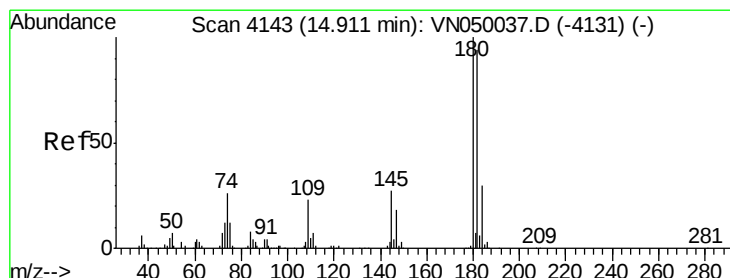
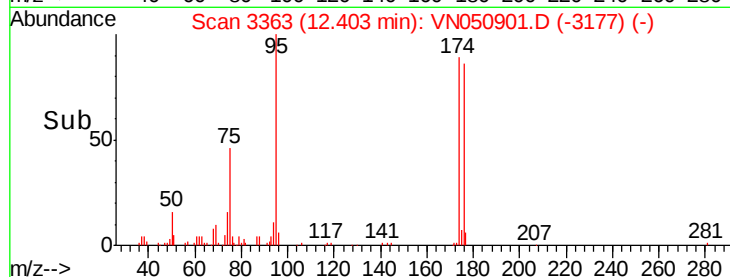
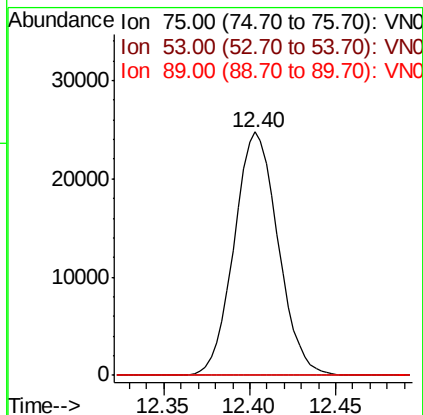
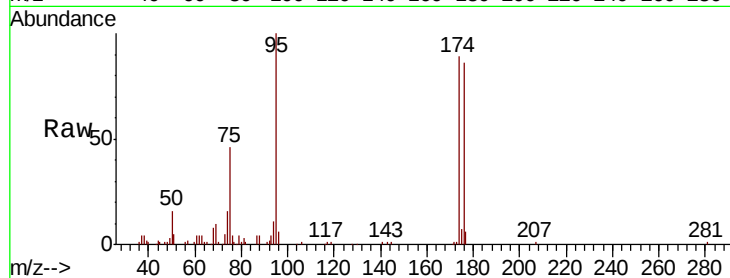




#77
t-1,4-Dichloro-2-butene
Concen: 34.82 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN050901.D
Acq: 27 Aug 2018 17:50

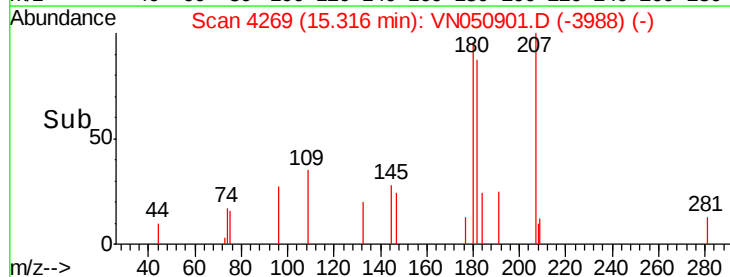
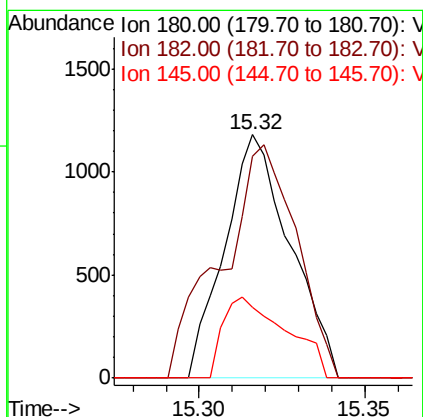
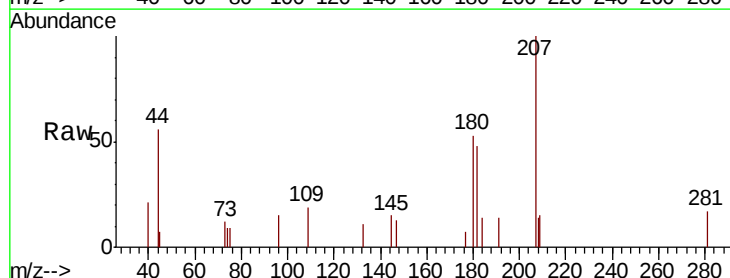
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBL02

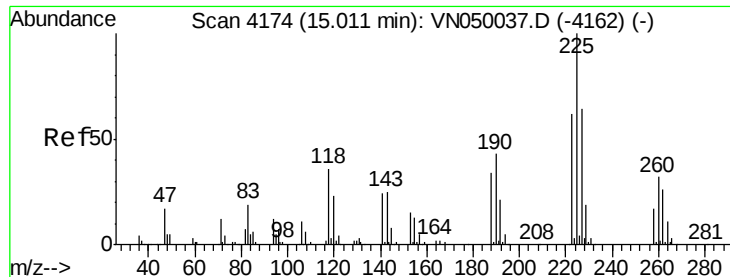
Tot Ion: 75 Resp: 43928
Ion Ratio Lower Upper
75 100
53 0.0 44.6 134.0#
89 0.0 20.7 62.1#



#89
1,2,4-Trichlorobenzene
Concen: 0.46 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.41 min
Lab File: VN050901.D
Acq: 27 Aug 2018 17:50

Tgt Ion: 180 Resp: 1623
Ion Ratio Lower Upper
180 100
182 84.1 76.7 115.1
145 30.1 23.4 35.0





#90

Hexachlorobutadiene

Concen: 0.21 ug/l

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN050901.D

Acq: 27 Aug 2018 17:50

Instrument :

MSVOA_N

ClientSampled :

VN0827WBL02

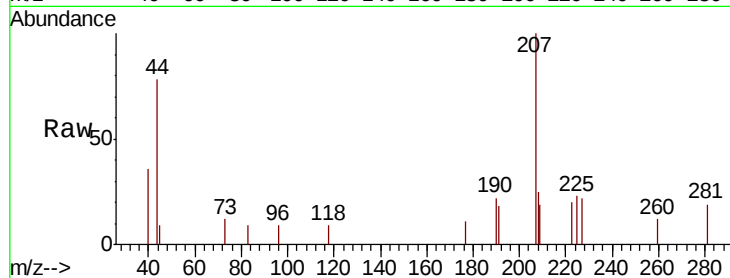
Tot Ion:225 Resp: 485

Ion Ratio Lower Upper

225 100

223 61.0 0.0 124.4

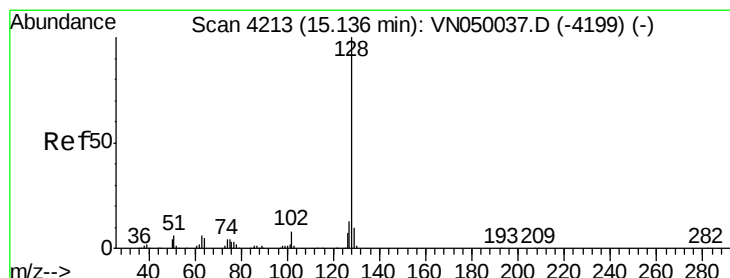
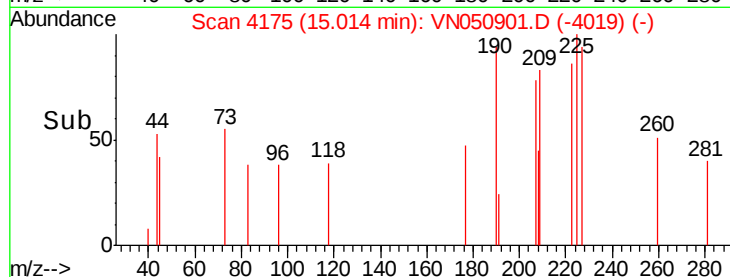
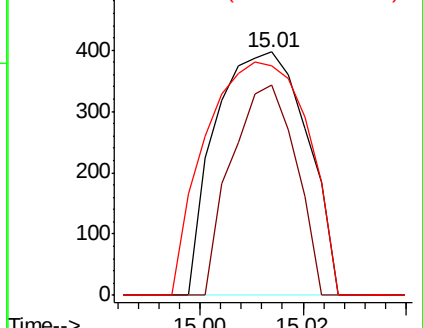
227 107.2 0.0 133.0



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: 7.98 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. -0.00 min

Lab File: VN050901.D

Acq: 27 Aug 2018 17:50

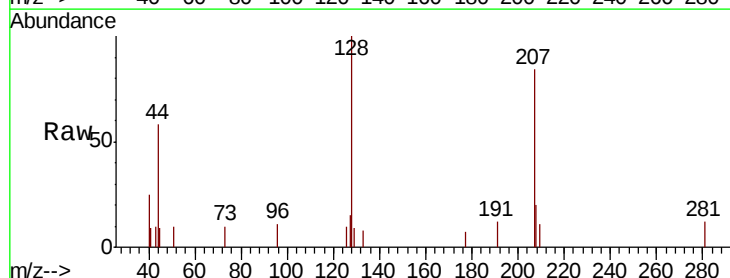
Tgt Ion:128 Resp: 3769

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.4

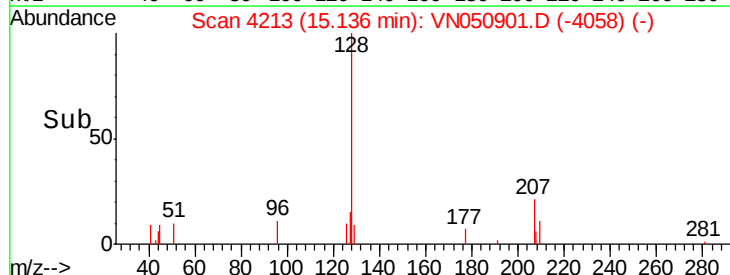
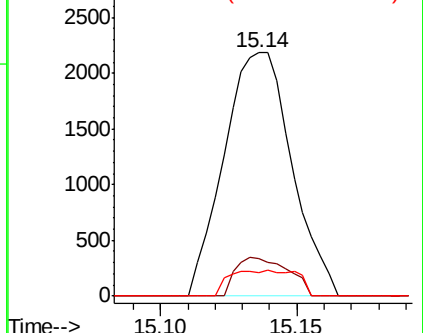
129 5.2 9.0 13.4#

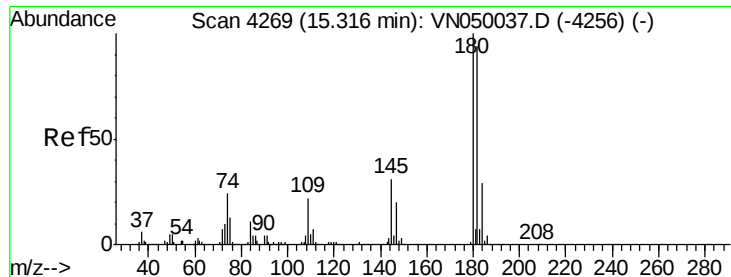


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#92
 1,2,3-Trichlorobenzene
 Concen: 0.45 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. -0.00 min
 Lab File: VN050901.D
 Acq: 27 Aug 2018 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	84.1	0.0	188.8
145	30.1	0.0	60.8

