

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052231.D
 Acq On : 9 Nov 2018 17:06
 Operator : MD\SY
 Sample : VN1109WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBL01

Quant Time: Nov 12 03:23:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	375157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	615732	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	519456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	193050	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	233817	45.57	ug/l	0.00
Spiked Amount			Recovery	=	91.14%	
35) Dibromofluoromethane	7.59	113	188834	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	
50) Toluene-d8	10.09	98	756148	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
62) 4-Bromofluorobenzene	12.40	95	227125	44.99	ug/l	0.00
Spiked Amount			Recovery	=	89.98%	

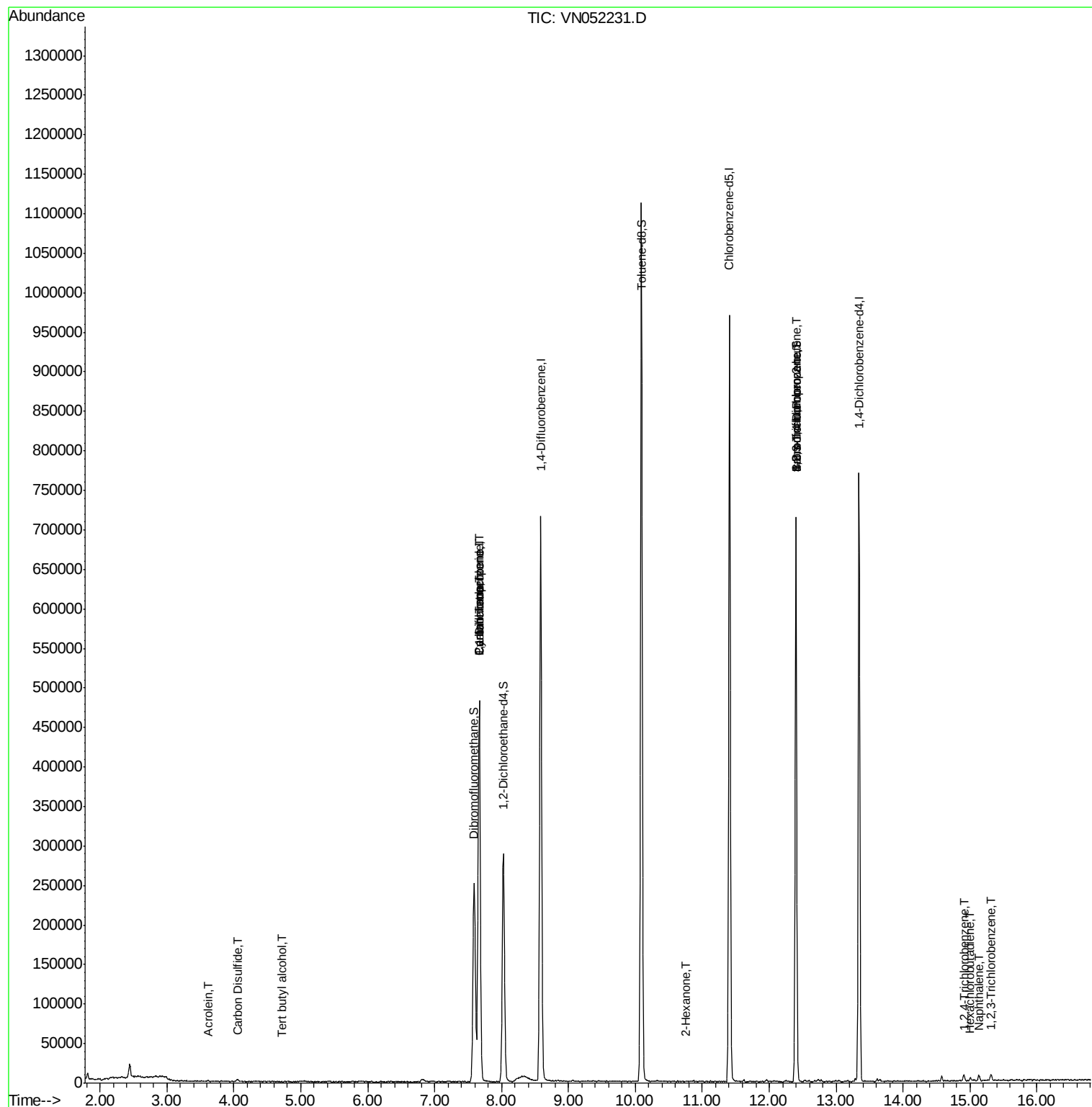
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	59	0.224	ug/l #	71
13) Acrolein	3.61	56	378	34.899	ug/l #	1
16) Acetone	3.81	43	324	Below Cal	#	46
17) Carbon Disulfide	4.06	76	4961	0.436	ug/l	99
31) Cyclohexane	7.67	56	9813	0.556	ug/l #	24
36) 1,1-Dichloropropene	7.66	75	32120	5.168	ug/l #	51
38) Carbon Tetrachloride	7.66	117	38333	6.806	ug/l #	17
59) 2-Hexanone	10.75	43	964	0.305	ug/l #	49
71) Bromoform	12.40	173	719	0.323	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	124312	36.396	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	124312	124.235	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.90	180	2265	0.913	ug/l #	92
94) Hexachlorobutadiene	15.01	225	373	0.277	ug/l #	22
95) Naphthalene	15.13	128	5563	0.910	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.32	180	2709	1.155	ug/l	97

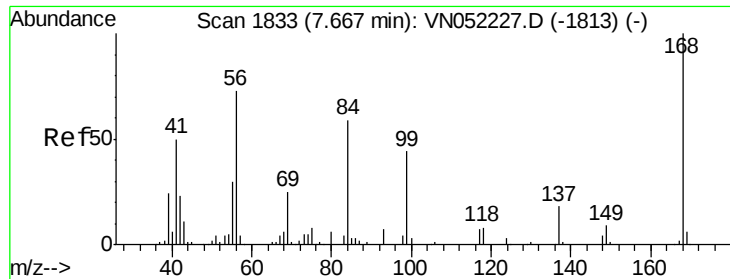
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 12 00:34:27 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: VN052231.D

Acq: 9 Nov 2018 17:06

Instrument :

MSVOA_N

ClientSampleId :

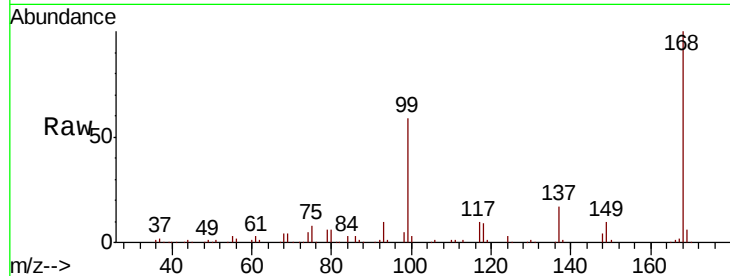
VN1109WBL01

Tot Ion:168 Resp: 375157

Ion Ratio Lower Upper

168 100

99 58.8 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN052227.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN052227.D (-1813) (-)

7.67

150000

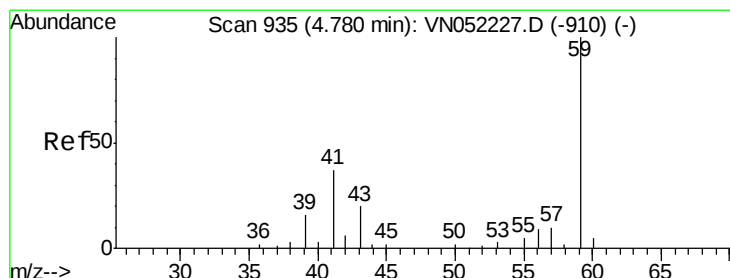
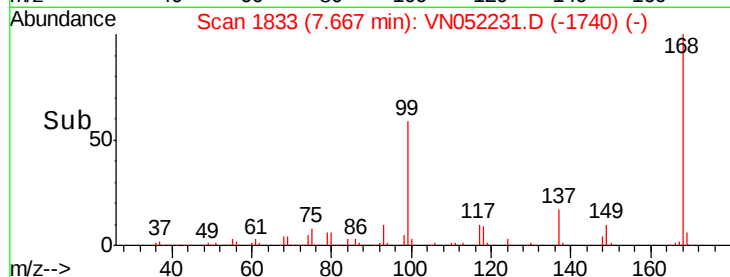
100000

50000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 0.224 ug/l

RT: 4.72 min Scan# 915

Delta R.T. -0.06 min

Lab File: VN052231.D

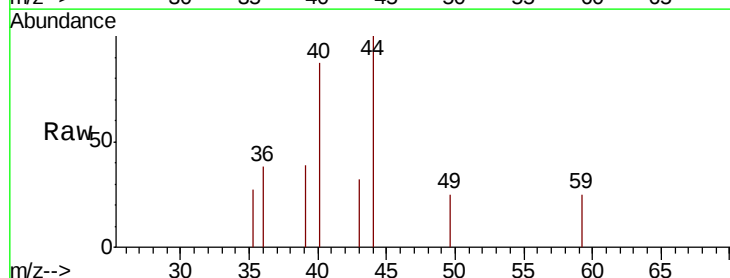
Acq: 9 Nov 2018 17:06

Tgt Ion: 59 Resp: 59

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VN052227.D (-910) (-)

Ion 57.00 (56.70 to 57.70): VN052227.D (-910) (-)

4.72

150

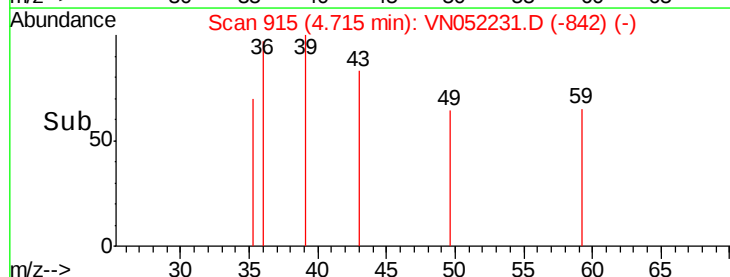
100

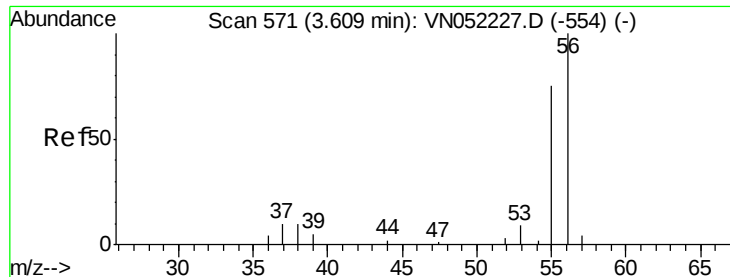
50

0

4.71 4.72 4.73

Time-->





#13

Acrolein

Concen: 34.899 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052231.D

Acq: 9 Nov 2018 17:06

Instrument :

MSVOA_N

ClientSampleId :

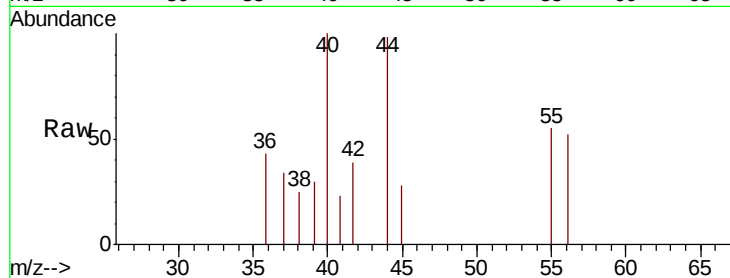
VN1109WBL01

Tot Ion: 56 Resp: 378

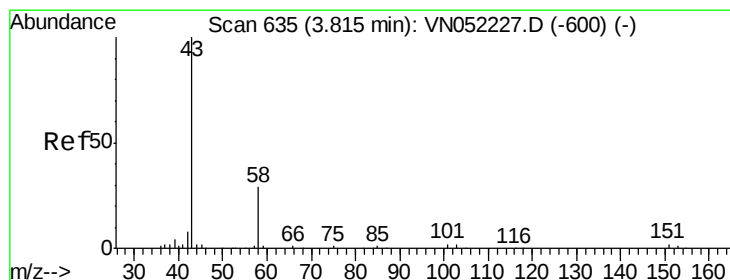
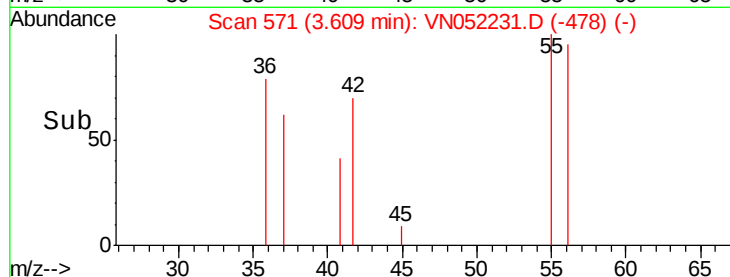
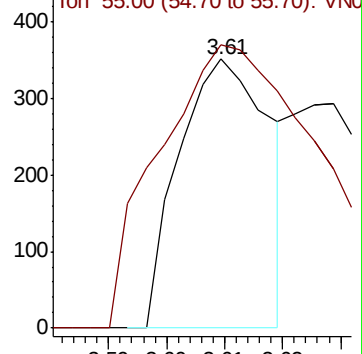
Ion Ratio Lower Upper

56 100

55 178.0 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0



#16

Acetone

Concen: Below Cal

RT: 3.81 min Scan# 633

Delta R.T. -0.01 min

Lab File: VN052231.D

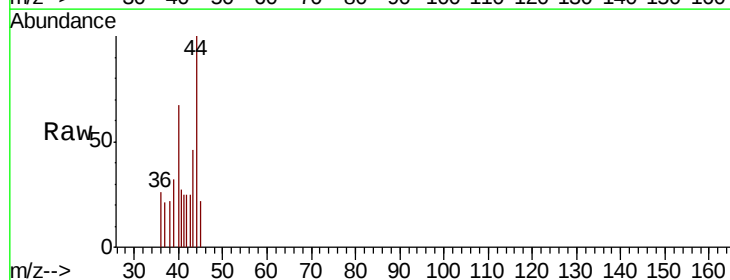
Acq: 9 Nov 2018 17:06

Tgt Ion: 43 Resp: 324

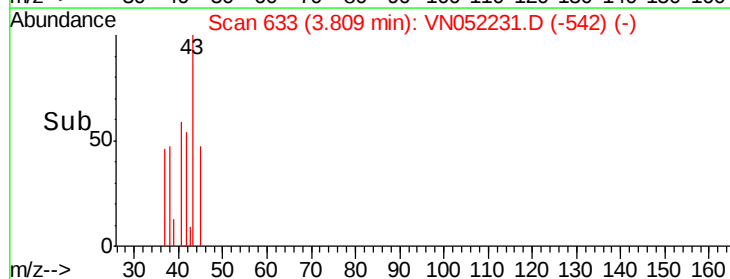
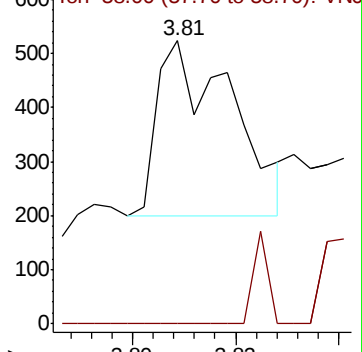
Ion Ratio Lower Upper

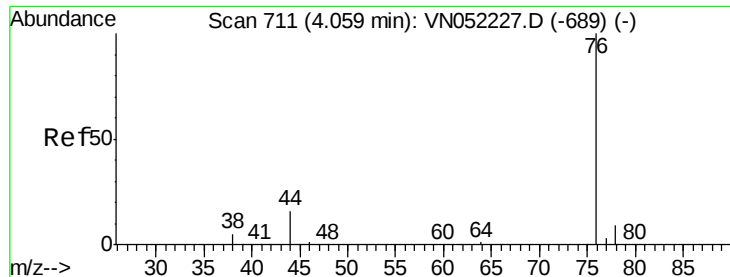
43 100

58 0.0 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

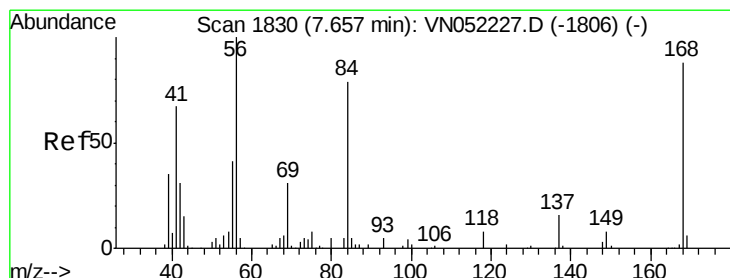
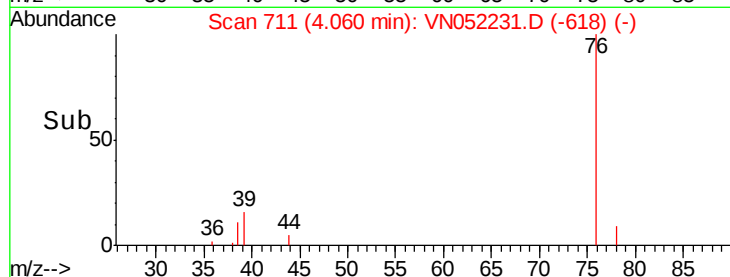
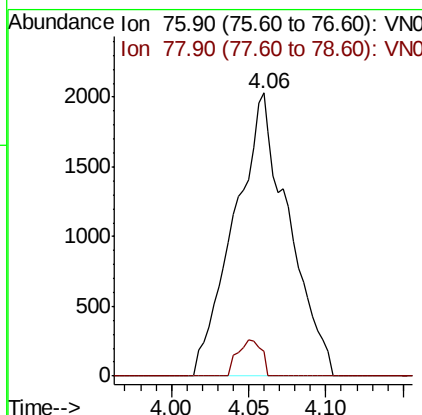
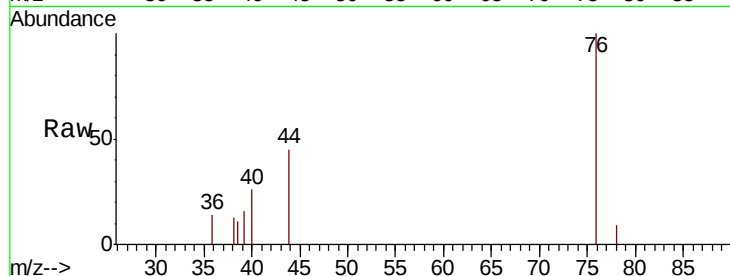




#17
Carbon Disulfide
Concen: 0.436 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052231.D
Acq: 9 Nov 2018 17:06

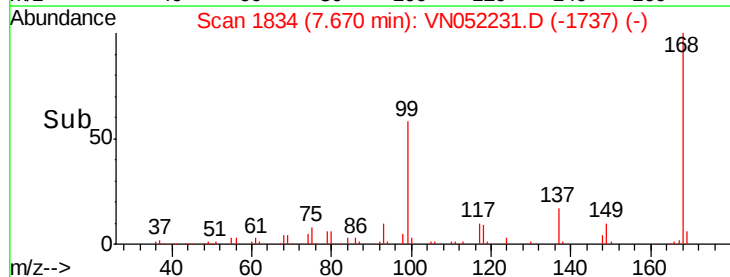
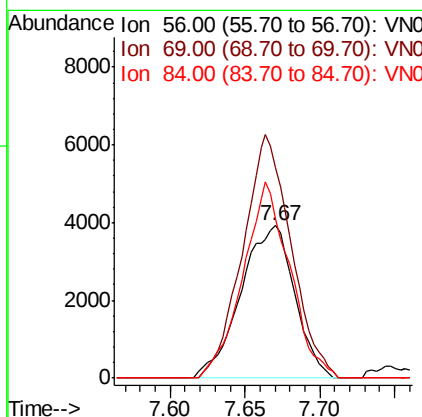
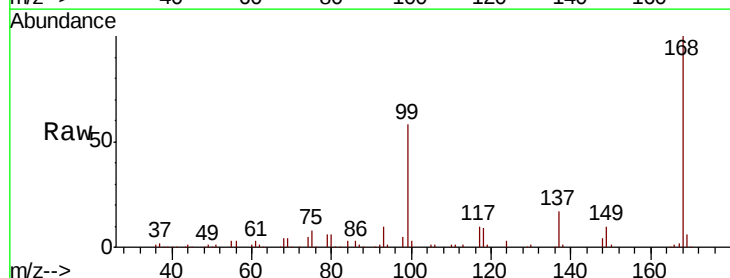
Instrument :
MSVOA_N
ClientSampleId :
VN1109WBL01

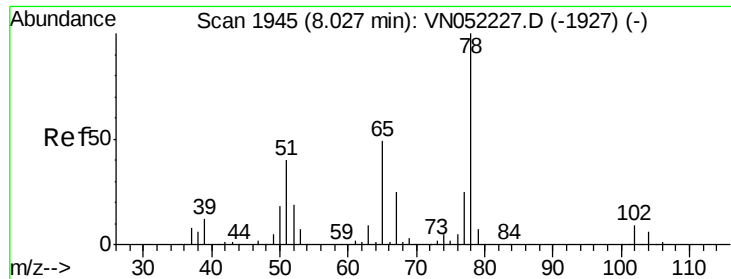
Tot Ion: 76 Resp: 4961
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9



#31
Cyclohexane
Concen: 0.556 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.01 min
Lab File: VN052231.D
Acq: 9 Nov 2018 17:06

Tgt Ion: 56 Resp: 9813
Ion Ratio Lower Upper
56 100
69 138.3 24.8 37.2#
84 104.2 63.1 94.7#

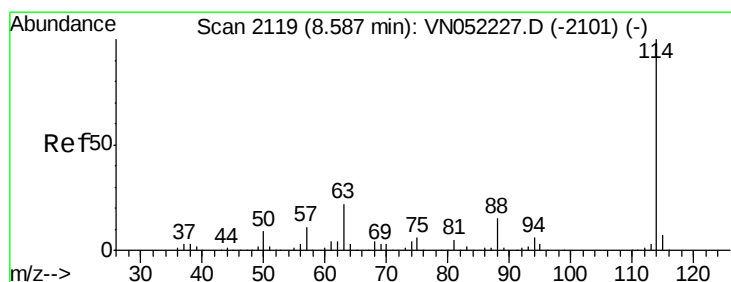
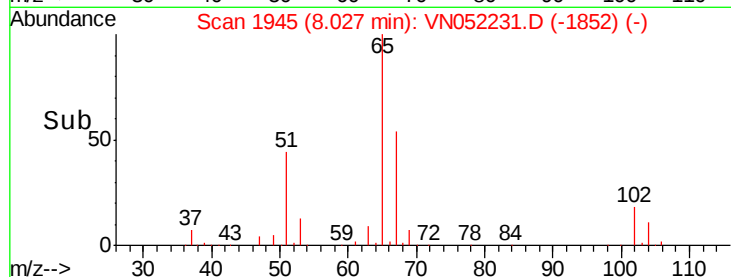
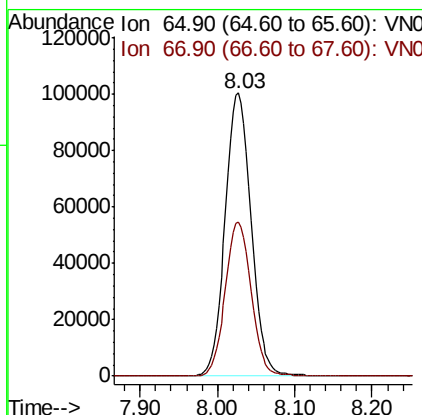
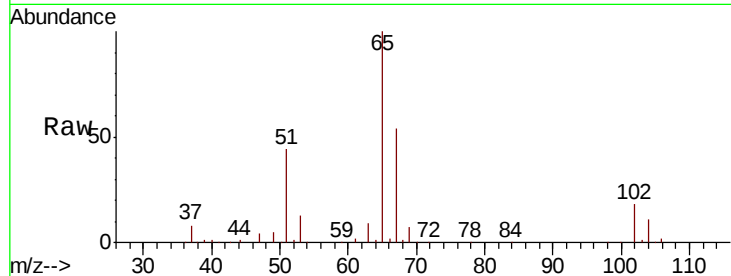




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052231.D
 Acq: 9 Nov 2018 17:06

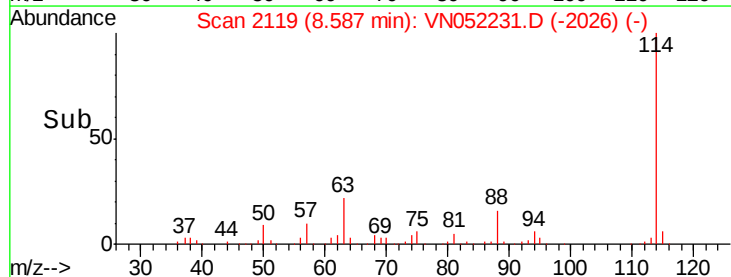
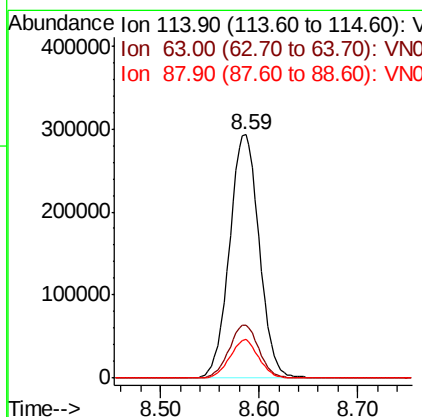
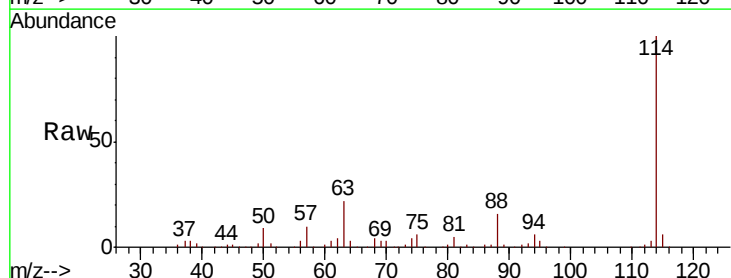
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBL01

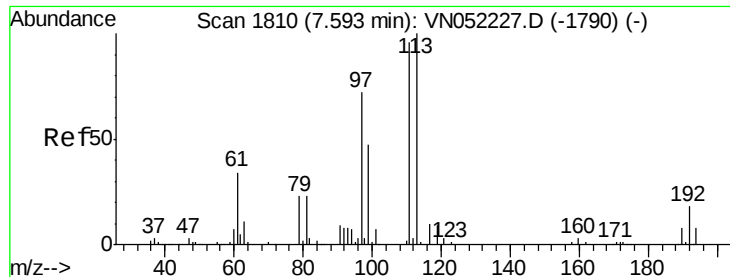
Tot Ion: 65 Resp: 233817
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052231.D
 Acq: 9 Nov 2018 17:06

Tgt Ion: 114 Resp: 615732
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.4
 88 15.7 0.0 30.2

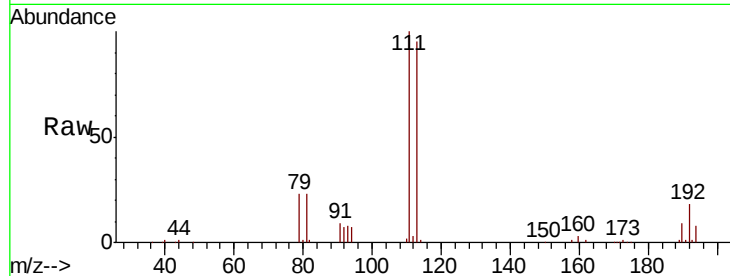




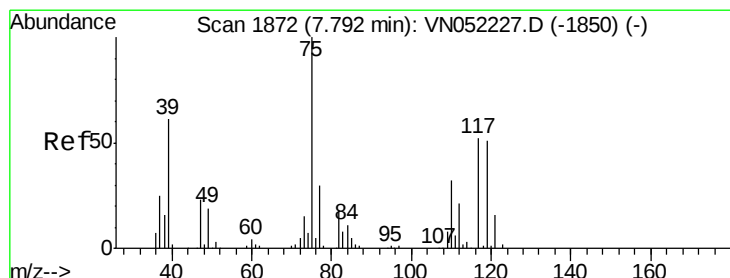
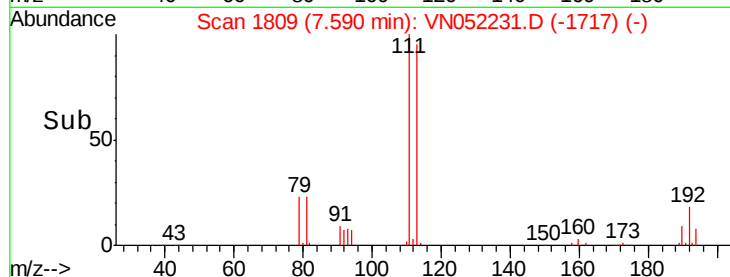
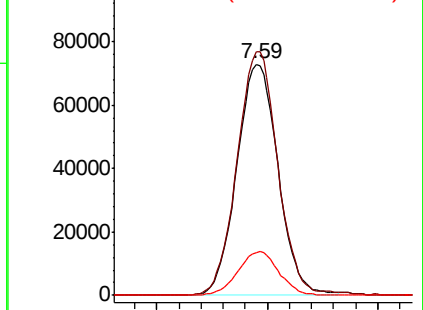
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052231.D
 Acq: 9 Nov 2018 17:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBL01

Tot Ion:113 Resp: 188834
 Ion Ratio Lower Upper
 113 100
 111 104.4 80.2 120.4
 192 18.6 14.1 21.1

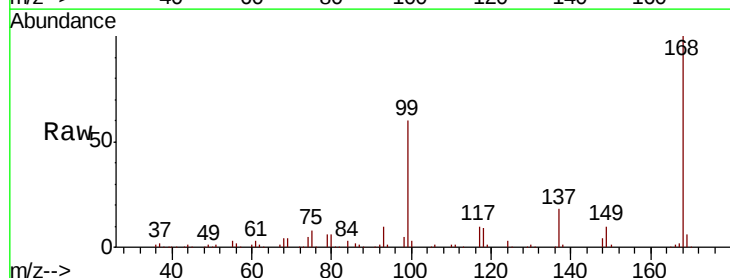


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

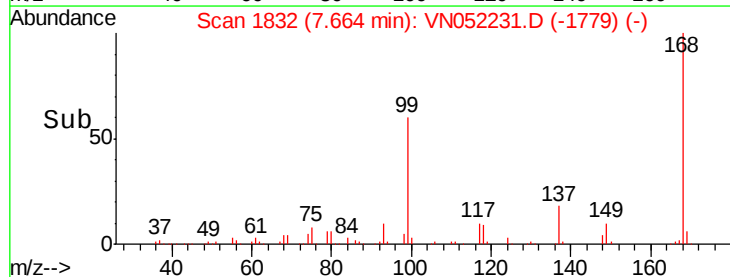
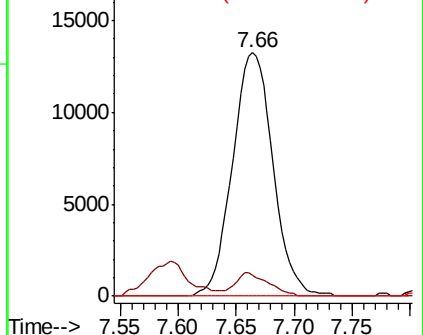


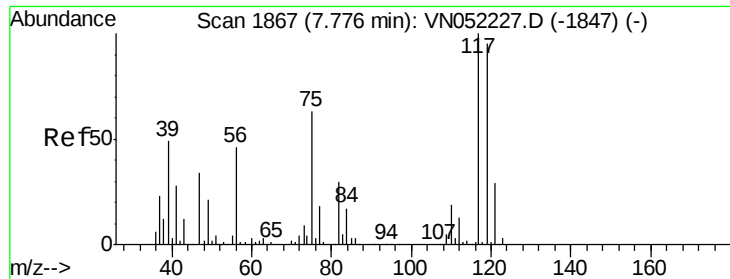
#36
 1,1-Dichloropropene
 Concen: 5.168 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052231.D
 Acq: 9 Nov 2018 17:06

Tgt Ion: 75 Resp: 32120
 Ion Ratio Lower Upper
 75 100
 110 7.9 16.4 49.4#
 77 0.0 23.9 35.9#



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

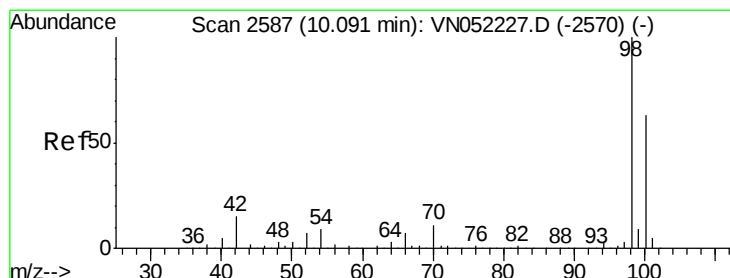
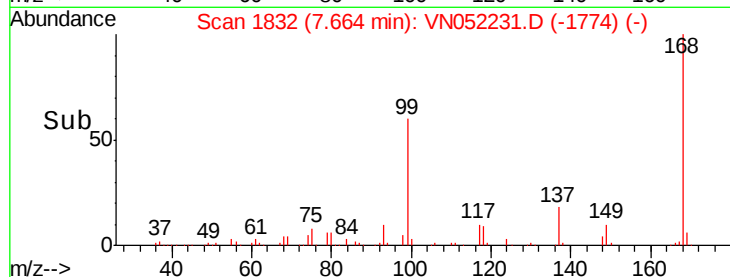
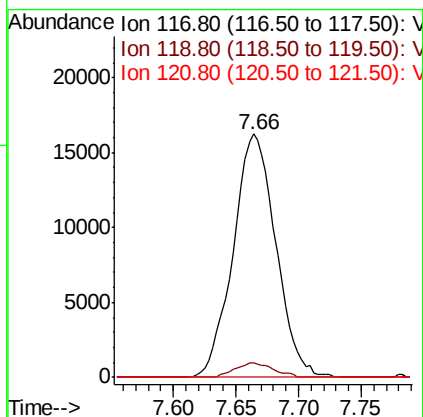
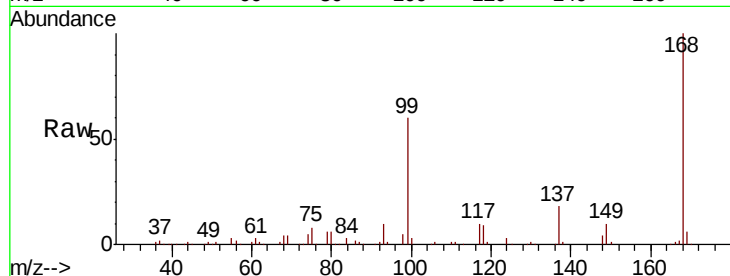




#38
Carbon Tetrachloride
Concen: 6.806 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN052231.D
Acq: 9 Nov 2018 17:06

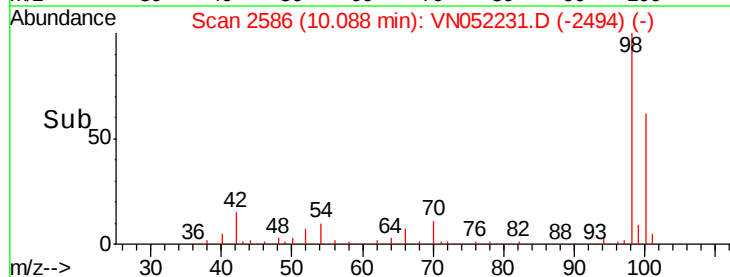
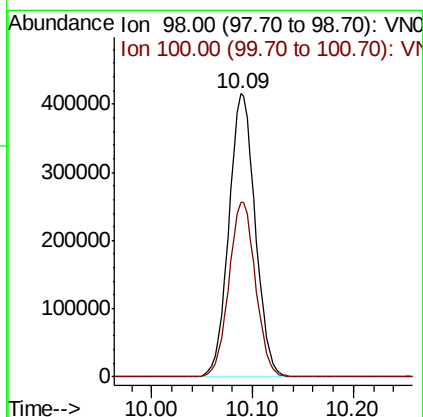
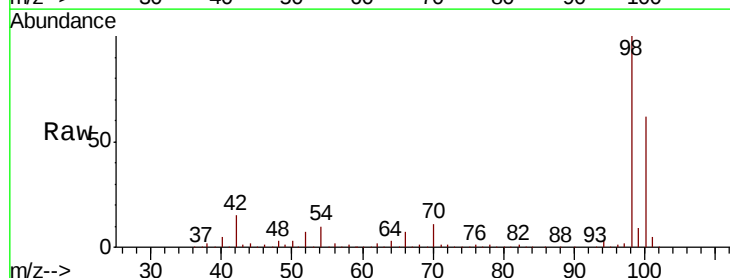
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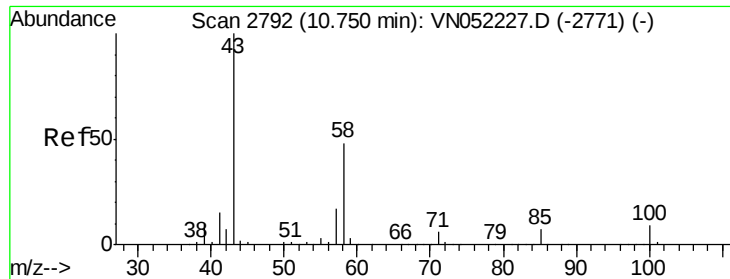
Tot Ion:117 Resp: 38333
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.8#
121 0.0 23.4 35.2#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN052231.D
Acq: 9 Nov 2018 17:06

Tgt Ion: 98 Resp: 756148
Ion Ratio Lower Upper
98 100
100 62.3 50.2 75.2

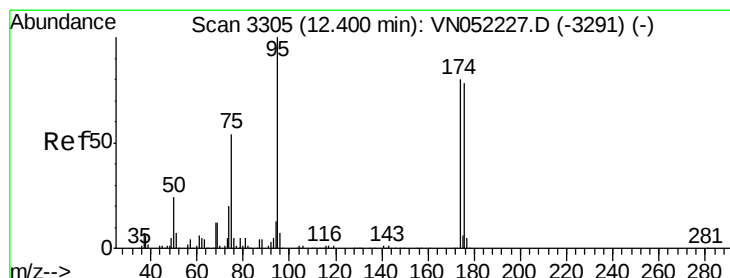
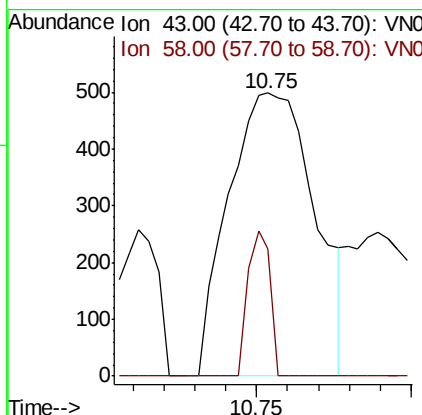
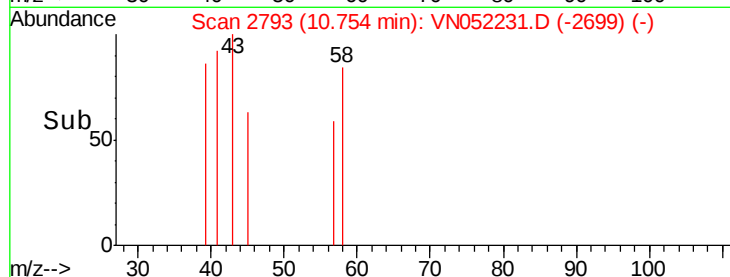
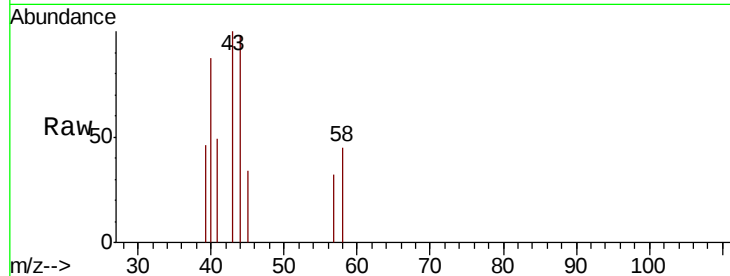




#59
2-Hexanone
Concen: 0.305 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052231.D
Acq: 9 Nov 2018 17:06

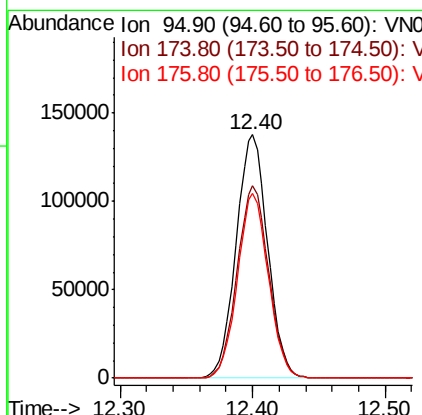
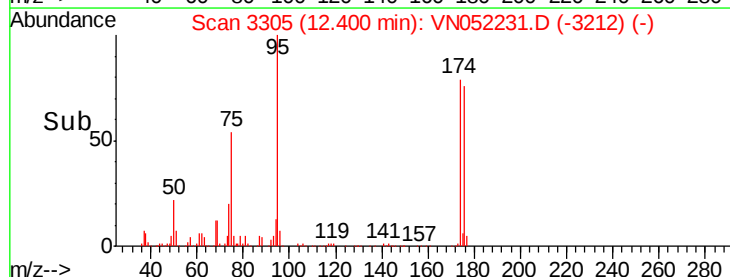
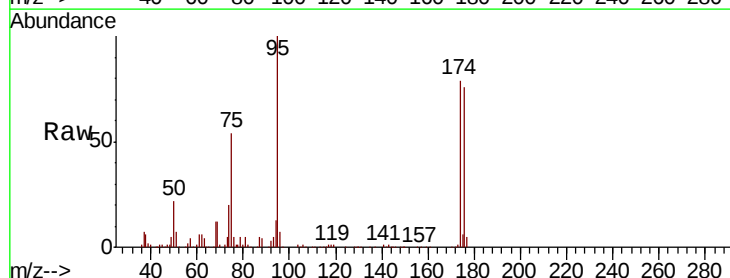
Instrument :
MSVOA_N
ClientSampled :
VN1109WBL01

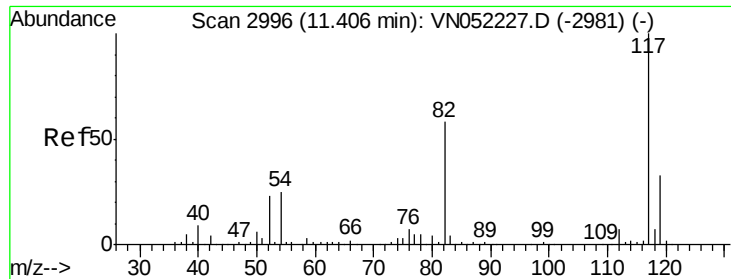
Tot Ion: 43 Resp: 964
Ion Ratio Lower Upper
43 100
58 13.4 24.1 72.3#



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052231.D
Acq: 9 Nov 2018 17:06

Tgt Ion: 95 Resp: 227125
Ion Ratio Lower Upper
95 100
174 79.1 0.0 159.4
176 74.5 0.0 157.8

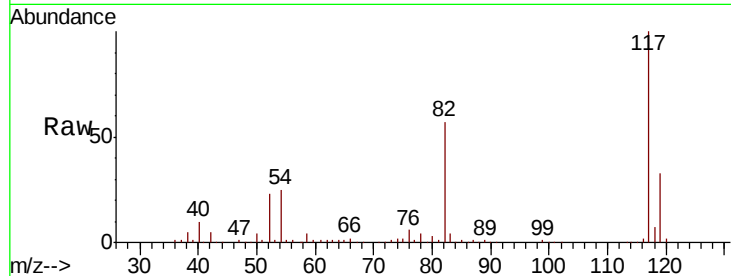




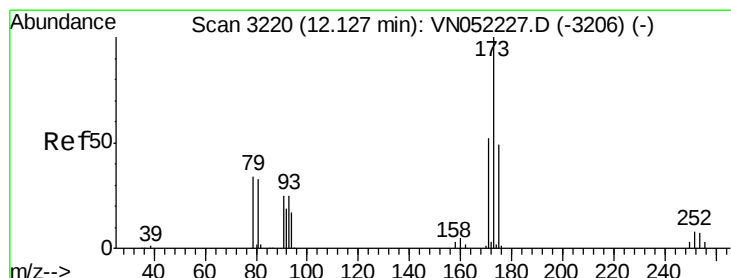
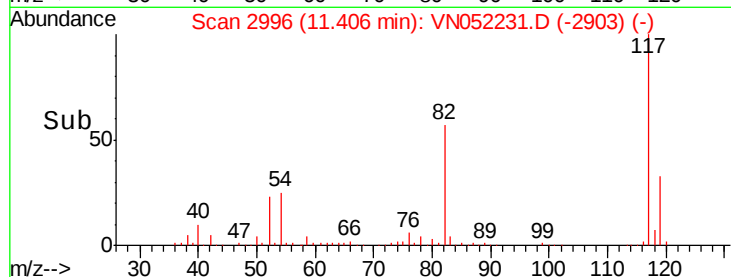
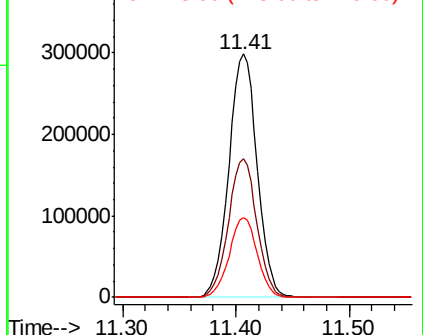
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052231.D
Acq: 9 Nov 2018 17:06

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBL01

Tot Ion:117 Resp: 519456
Ion Ratio Lower Upper
117 100
82 57.0 46.2 69.2
119 32.8 26.2 39.4

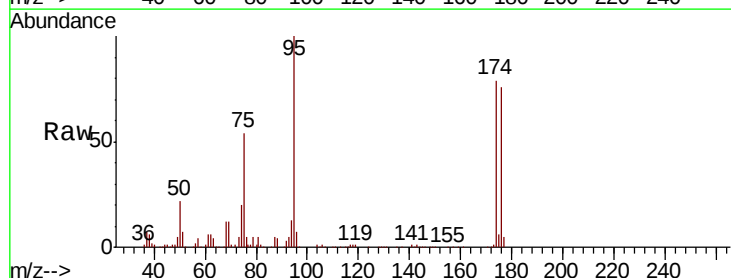


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

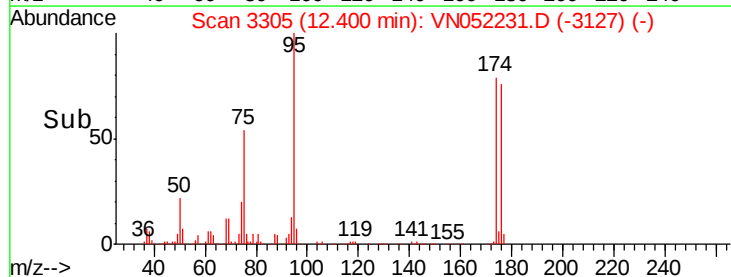
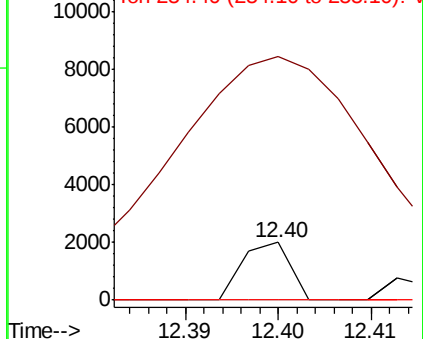


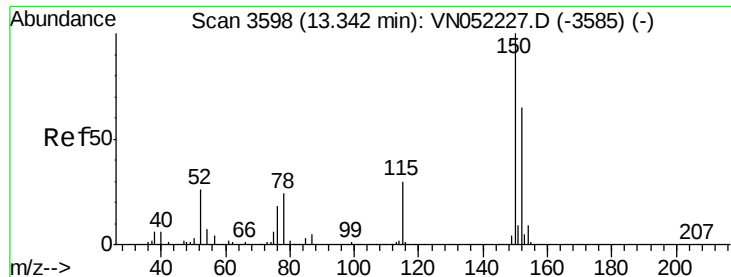
#71
Bromoform
Concen: 0.323 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052231.D
Acq: 9 Nov 2018 17:06

Tgt Ion:173 Resp: 719
Ion Ratio Lower Upper
173 100
175 1772.7 24.5 73.5#
254 0.0 0.0 0.0



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: VN052231.D

Acq: 9 Nov 2018 17:06

Instrument :

MSVOA_N

ClientSampled :

VN1109WBL01

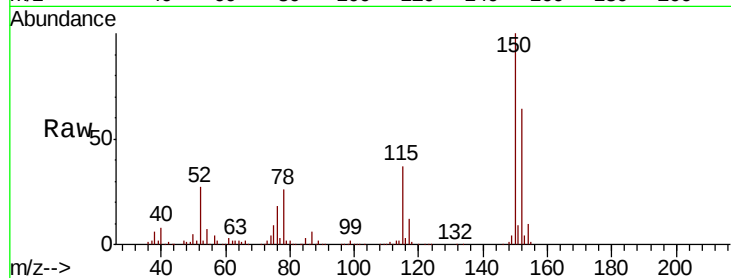
Tot Ion:152 Resp: 193050

Ion Ratio Lower Upper

152 100

115 59.6 29.8 89.5

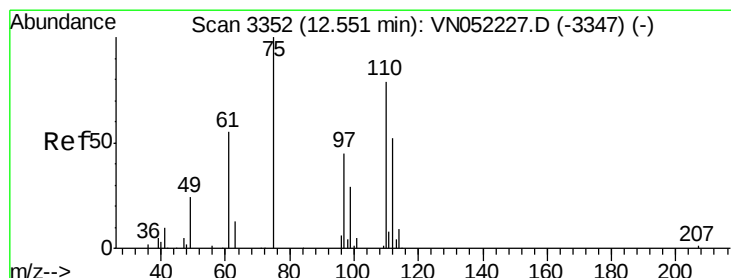
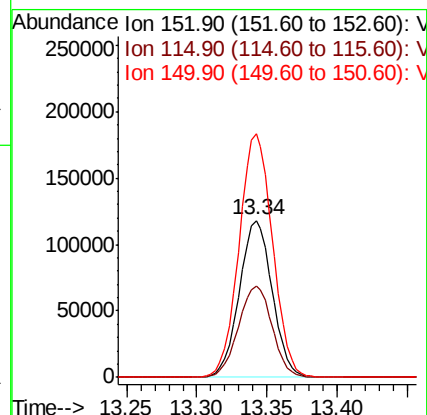
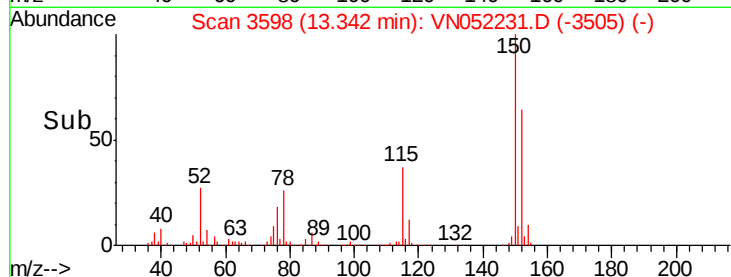
150 157.9 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 36.396 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052231.D

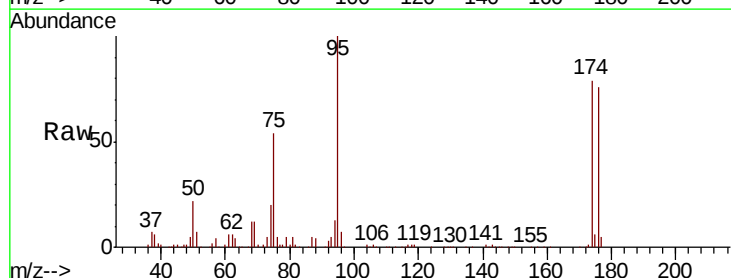
Acq: 9 Nov 2018 17:06

Tgt Ion: 75 Resp: 124312

Ion Ratio Lower Upper

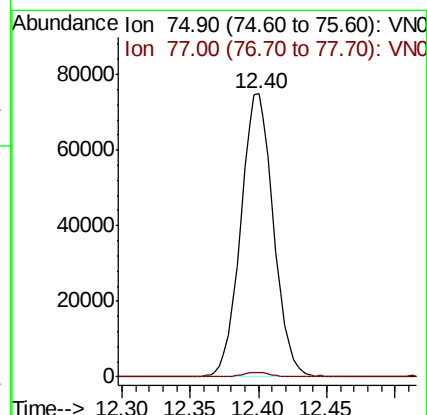
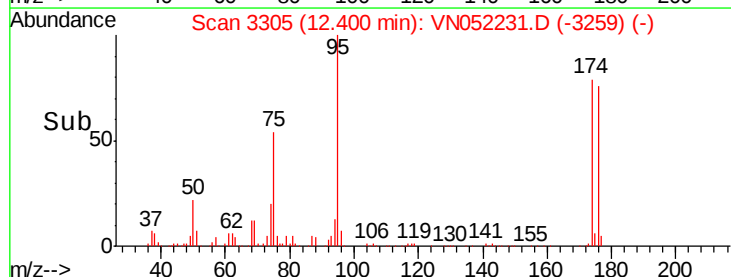
75 100

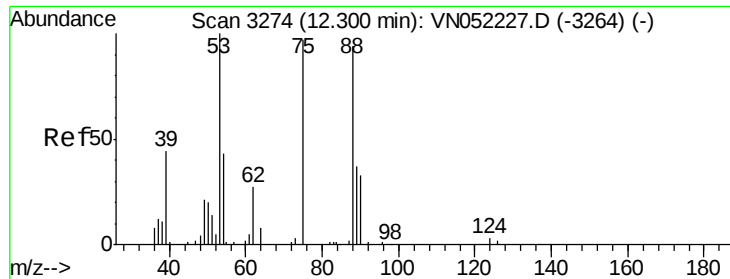
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 124.235 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052231.D

Acq: 9 Nov 2018 17:06

Instrument :

MSVOA_N

ClientSampled :

VN1109WBL01

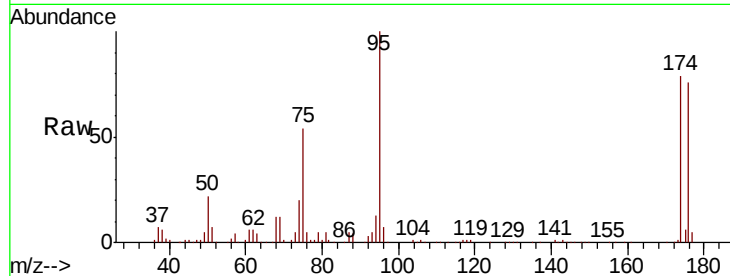
Tot Ion: 75 Resp: 124312

Ion Ratio Lower Upper

75 100

53 0.0 84.0 126.0#

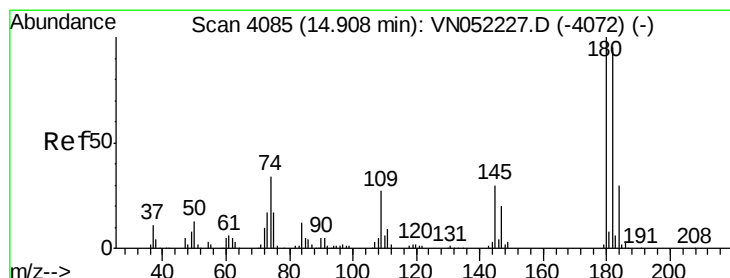
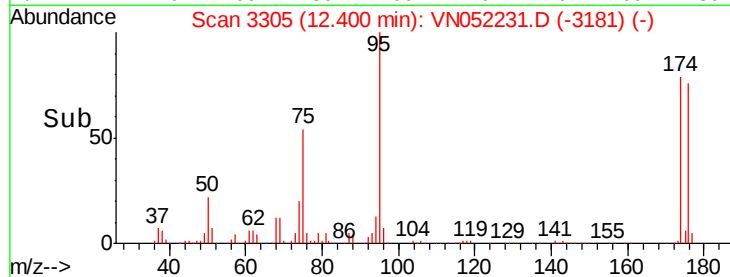
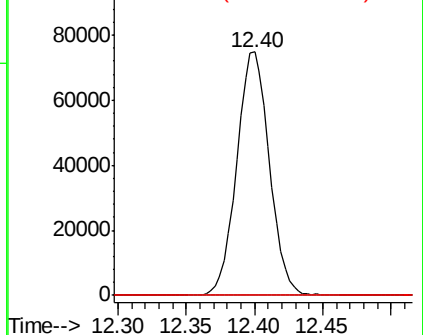
89 0.0 33.7 50.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#93

1,2,4-Trichlorobenzene

Concen: 0.913 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN052231.D

Acq: 9 Nov 2018 17:06

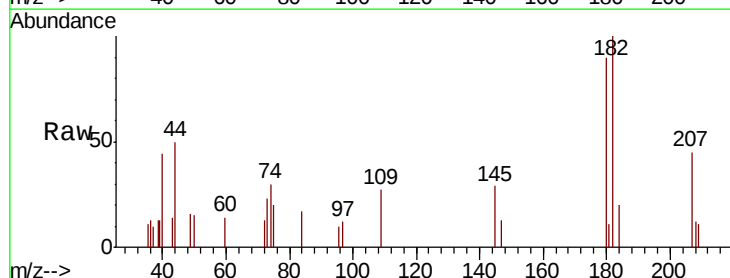
Tgt Ion: 180 Resp: 2265

Ion Ratio Lower Upper

180 100

182 94.0 47.3 142.0

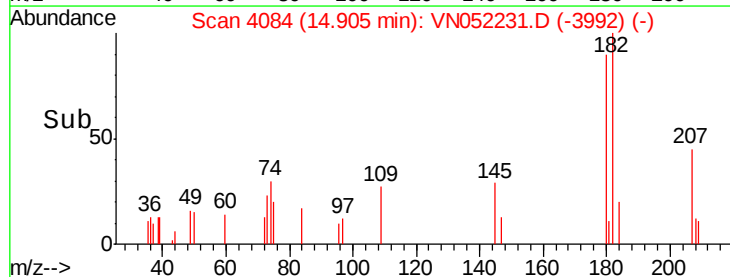
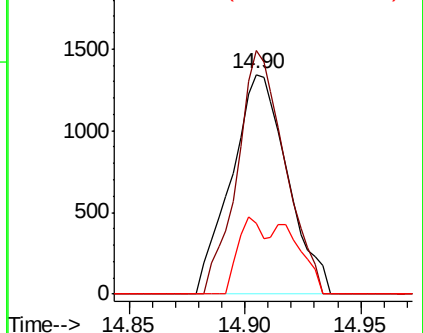
145 15.3 15.6 46.8#

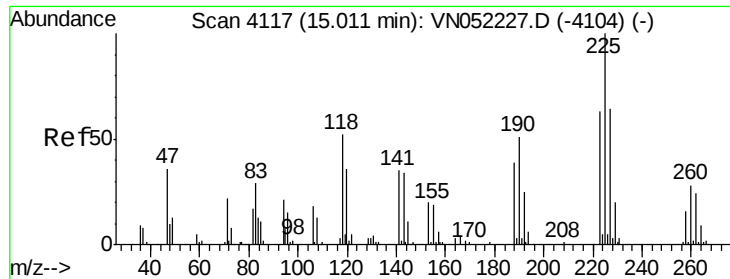


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.277 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN052231.D

Acq: 9 Nov 2018 17:06

Instrument :

MSVOA_N

ClientSampled :

VN1109WBL01

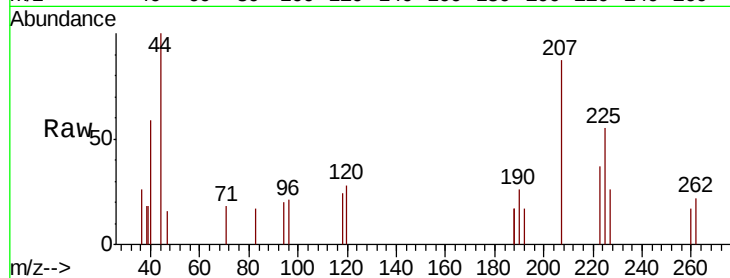
Tot Ion:225 Resp: 373

Ion Ratio Lower Upper

225 100

223 122.3 32.1 96.3#

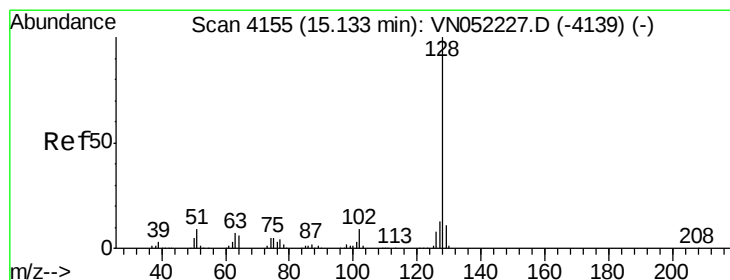
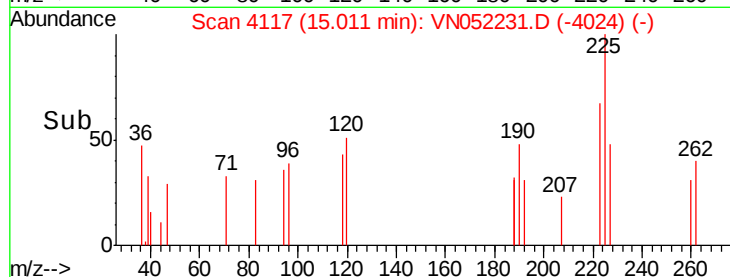
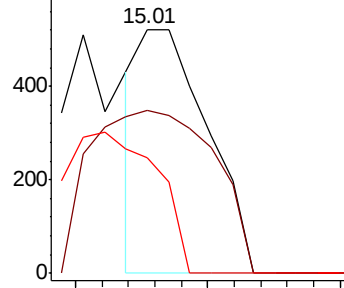
227 0.0 31.8 95.4#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.910 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052231.D

Acq: 9 Nov 2018 17:06

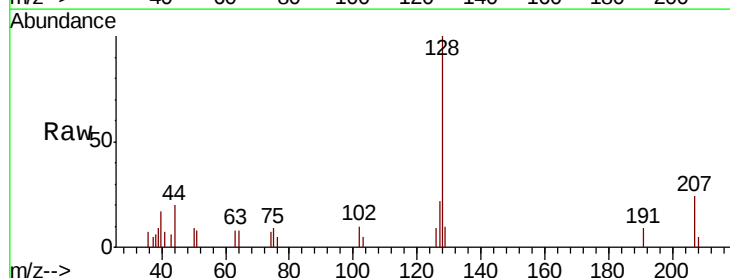
Tgt Ion:128 Resp: 5563

Ion Ratio Lower Upper

128 100

127 17.3 10.6 16.0#

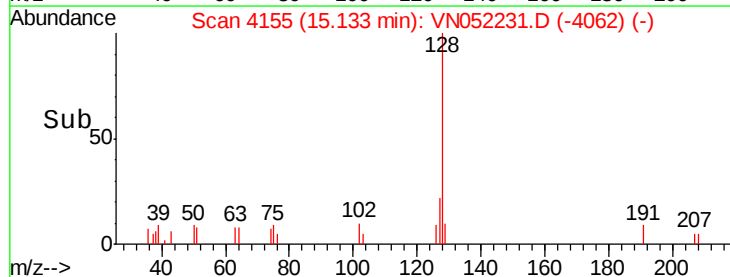
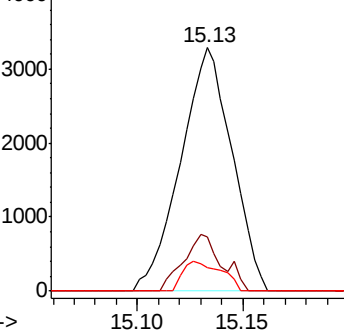
129 9.1 8.7 13.1

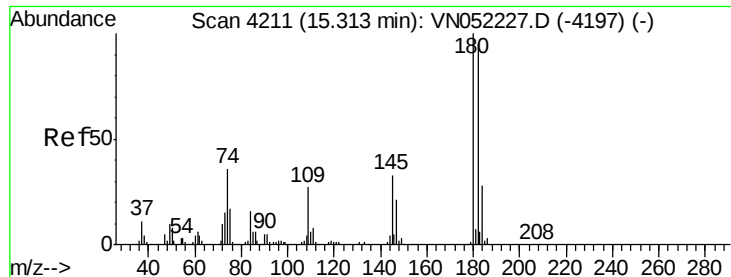


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

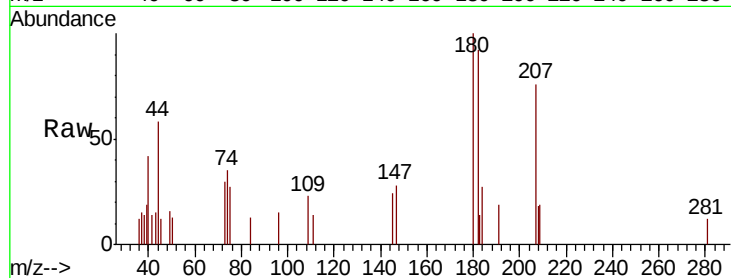




#96
 1,2,3-Trichlorobenzene
 Concen: 1.155 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN052231.D
 Acq: 9 Nov 2018 17:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBL01

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	95.1	47.7	143.1	
145	26.9	16.8	50.3	



Abundance Ion 179.80 (179.50 to 180.50): V
 2000 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

