

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100418\
 Data File : VN051667.D
 Acq On : 4 Oct 2018 15:20
 Operator : MD\SY
 Sample : PB113487TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 05 06:44:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	680441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1005717	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	880315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	314275	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	425033	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	
35) Dibromofluoromethane	7.59	113	386577	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
50) Toluene-d8	10.09	98	1428164	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
62) 4-Bromofluorobenzene	12.40	95	396120	38.58	ug/l	0.00
Spiked Amount			Recovery	=	77.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	799	1.241	ug/l #	42
5) Bromomethane	2.57	94	3120	0.332	ug/l	88
7) Trichlorofluoromethane	3.02	101	173	Below Cal	#	1
10) Methyl Iodide	3.96	142	823	2.425	ug/l #	50
11) Tert butyl alcohol	4.80	59	233	0.381	ug/l #	10
13) Acrolein	3.62	56	340	0.891	ug/l #	76
16) Acetone	3.82	43	18642	Below Cal		100
17) Carbon Disulfide	4.05	76	6199	0.322	ug/l	100
18) Methyl Acetate	4.35	43	4994	1.007	ug/l #	65
20) Methylene Chloride	4.55	84	12168	1.645	ug/l	92
25) 2-Butanone	6.84	43	820	0.316	ug/l	96
29) Tetrahydrofuran	7.21	42	1394	0.875	ug/l #	48
31) Cyclohexane	7.67	56	13441	1.101	ug/l #	38
36) 1,1-Dichloropropene	7.67	75	48215	4.587	ug/l #	50
38) Carbon Tetrachloride	7.67	117	63325	5.020	ug/l #	16
41) Methacrylonitrile	7.17	41	466	Below Cal	#	37
43) Isopropyl Acetate	8.17	43	276999	24.232	ug/l	98
48) Methyl methacrylate	9.18	41	5787	1.108	ug/l #	13
51) 4-Methyl-2-Pentanone	9.99	43	3669	0.633	ug/l	98
59) 2-Hexanone	10.77	43	21318	5.419	ug/l #	53
71) Bromoform	12.41	173	3403	0.524	ug/l #	1
74) N-amyl acetate	12.07	43	902	Below Cal	#	39
75) 1,1,2,2-Tetrachloroethane	12.50	83	468	Below Cal	#	95
76) 1,2,3-Trichloropropane	12.40	75	217044	56.081	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	7349	0.326	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	217044	126.949	ug/l #	14
82) 4-Chlorotoluene	12.78	91	3994	0.231	ug/l	93
87) 1,3-Dichlorobenzene	13.28	146	2632	0.231	ug/l	96
88) 1,4-Dichlorobenzene	13.28	146	2632	0.234	ug/l	97
89) n-Butylbenzene	13.62	91	4535	0.242	ug/l	86
92) 1,2-Dibromo-3-Chloropropan	14.26	75	307	0.326	ug/l #	49
93) 1,2,4-Trichlorobenzene	14.91	180	3463	0.686	ug/l	99
95) Naphthalene	15.14	128	10319	0.946	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.32	180	3900	0.784	ug/l	94

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QLast Update : Fri Oct 05 02:22:33 2018
Response via : Initial Calibration

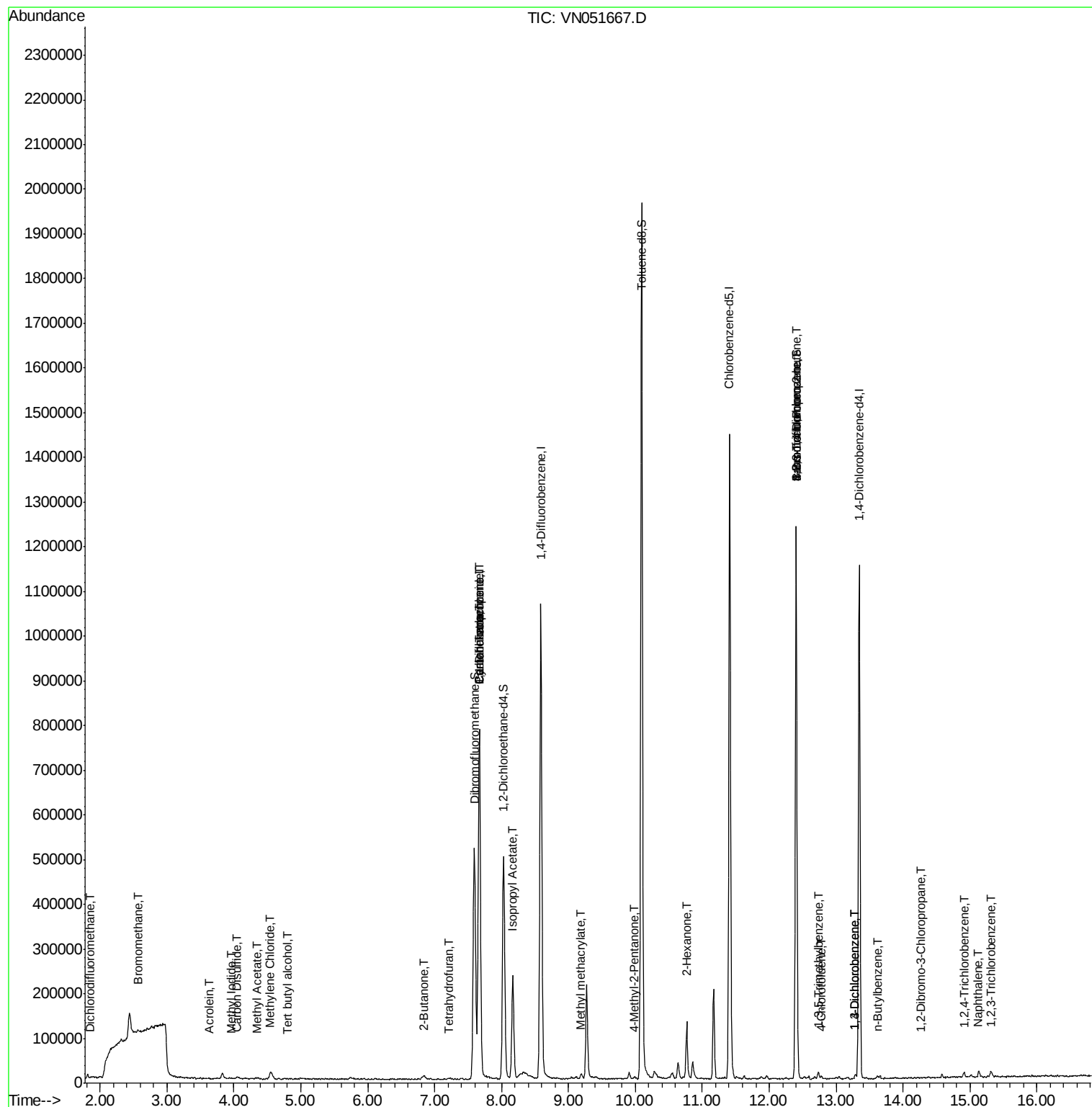
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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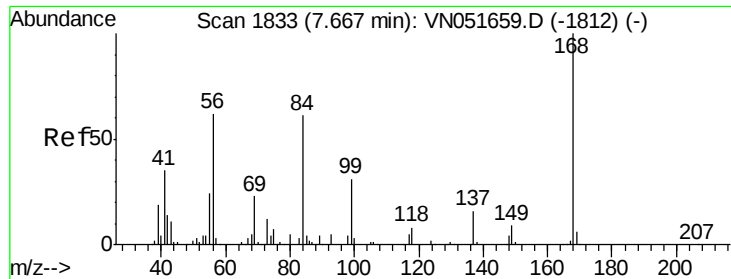
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051667.D

Acq: 4 Oct 2018 15:20

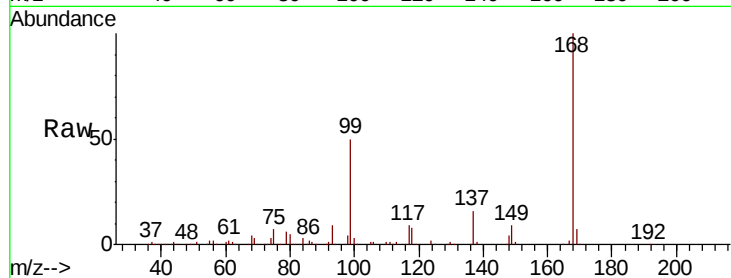
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 680441

Ion Ratio Lower Upper

168 100

99 49.8 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

250000

200000

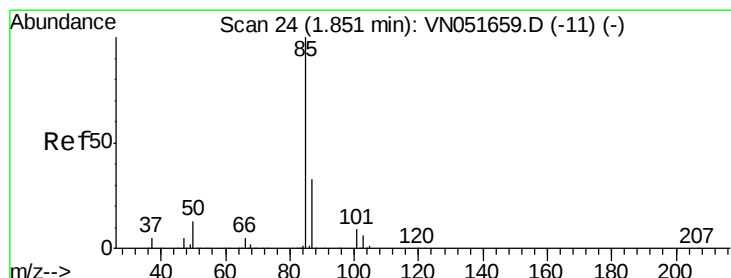
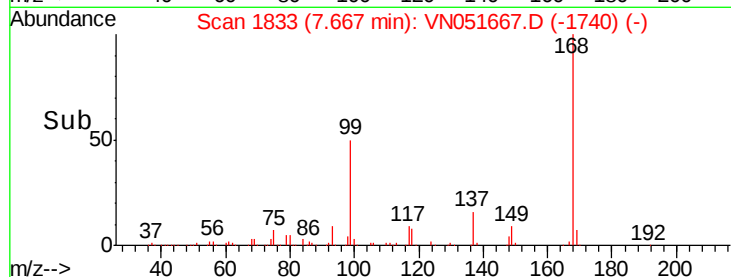
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.241 ug/l

RT: 1.84 min Scan# 22

Delta R.T. -0.01 min

Lab File: VN051667.D

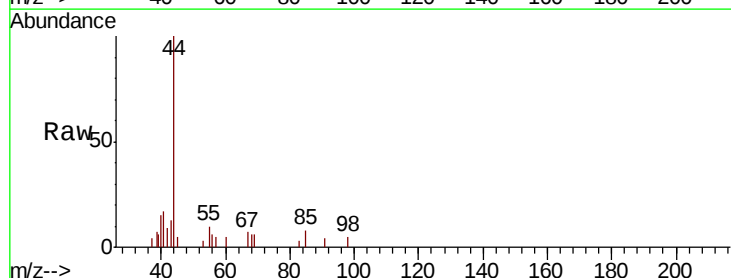
Acq: 4 Oct 2018 15:20

Tgt Ion: 85 Resp: 799

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.4#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

400

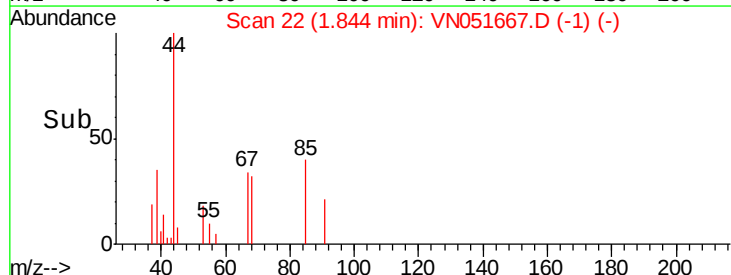
300

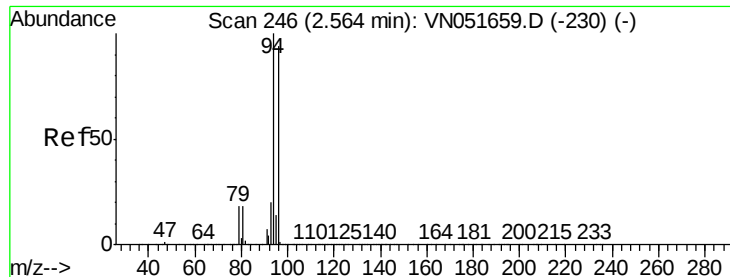
200

100

0

Time-->





#5

Bromomethane

Concen: 0.332 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051667.D

Acq: 4 Oct 2018 15:20

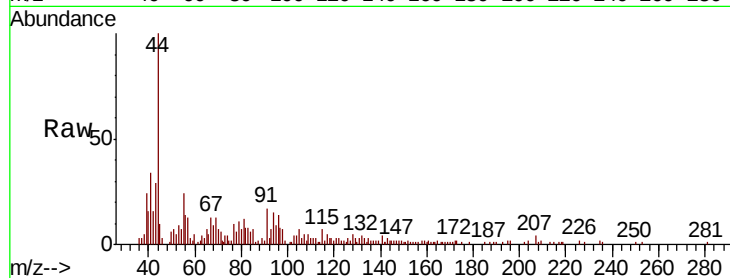
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 3120

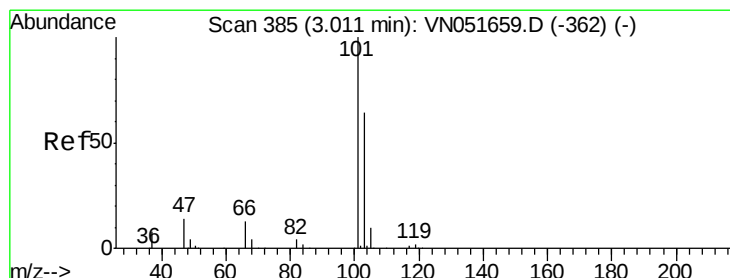
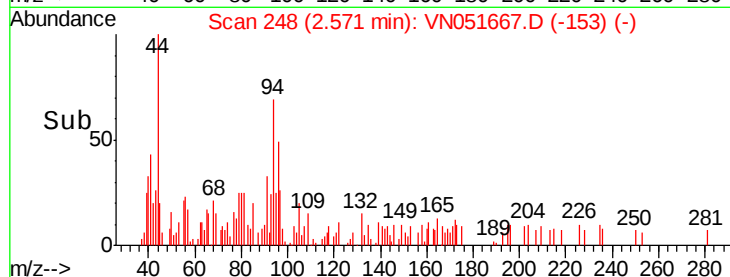
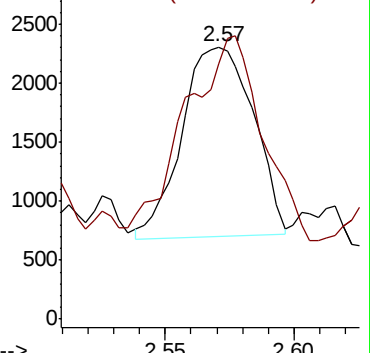
Ion Ratio Lower Upper

94 100

96 82.8 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VN051659.D (-230) (-)



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 3.02 min Scan# 389

Delta R.T. 0.01 min

Lab File: VN051667.D

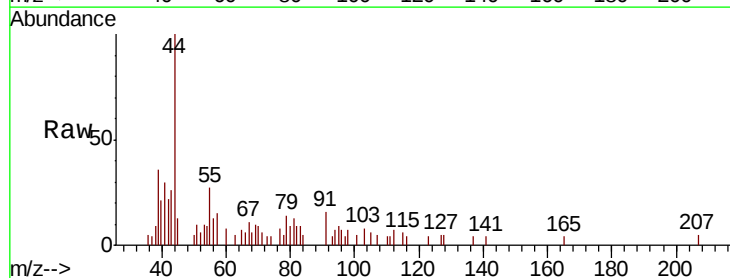
Acq: 4 Oct 2018 15:20

Tgt Ion: 101 Resp: 173

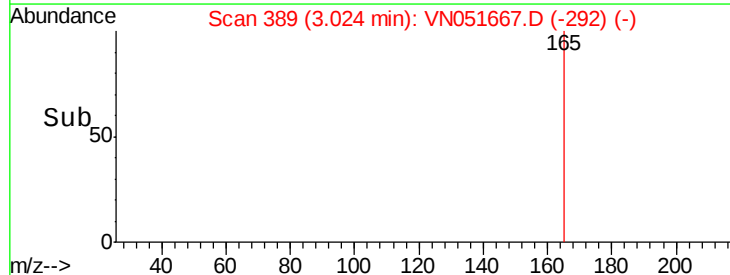
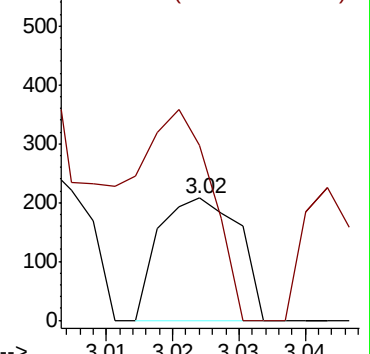
Ion Ratio Lower Upper

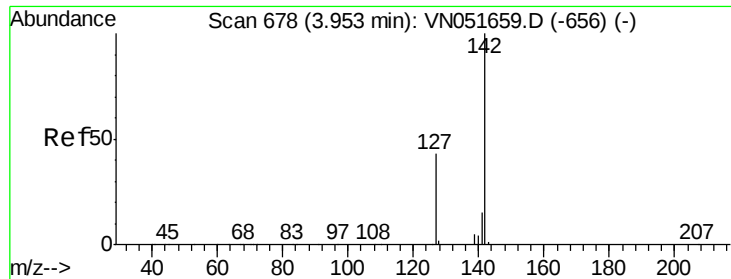
101 100

103 144.0 51.1 76.7#



Abundance Ion 100.90 (100.60 to 101.60): VN051659.D (-362) (-)

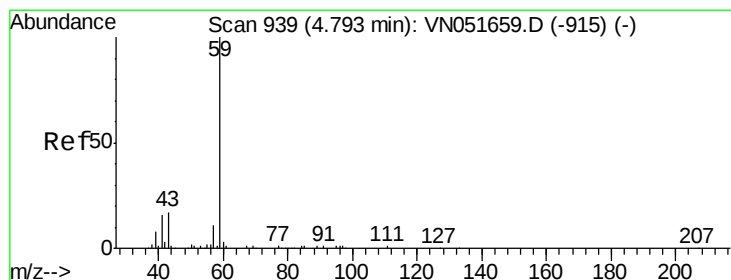
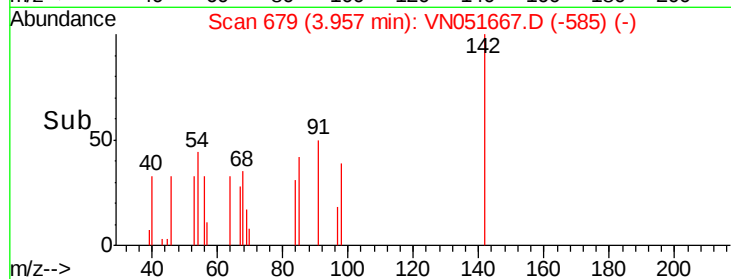
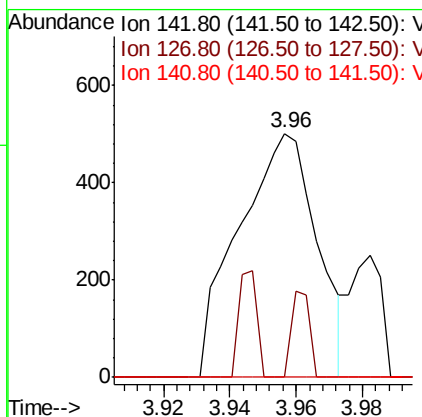
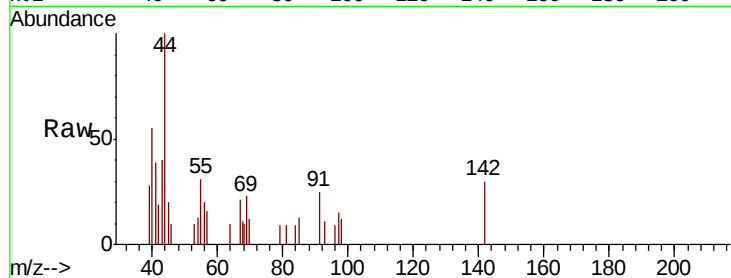




#10
Methyl Iodide
Concen: 2.425 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN051667.D
Acq: 4 Oct 2018 15:20

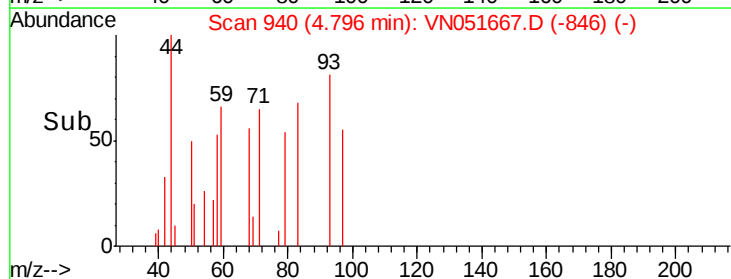
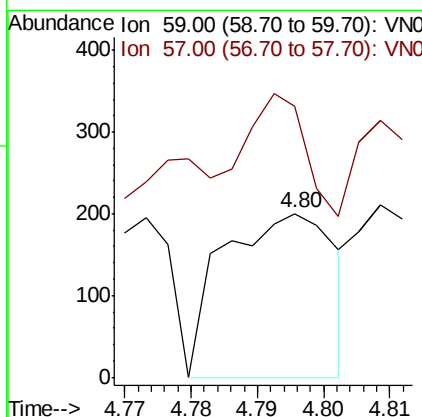
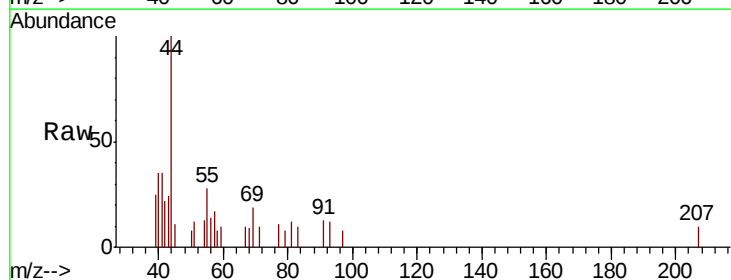
Instrument :
MSVOA_N
ClientSampleId :

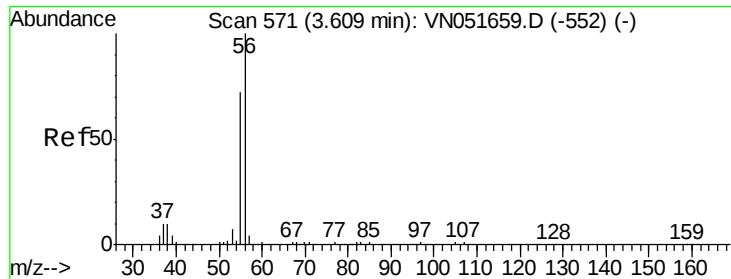
Tot Ion:142 Resp: 823
Ion Ratio Lower Upper
142 100
127 8.1 34.7 52.1#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.381 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.00 min
Lab File: VN051667.D
Acq: 4 Oct 2018 15:20

Tgt Ion: 59 Resp: 233
Ion Ratio Lower Upper
59 100
57 43.3 8.1 12.1#





#13

Acrolein

Concen: 0.891 ug/l

RT: 3.62 min Scan# 575

Delta R.T. 0.01 min

Lab File: VN051667.D

Acq: 4 Oct 2018 15:20

Instrument :

MSVOA_N

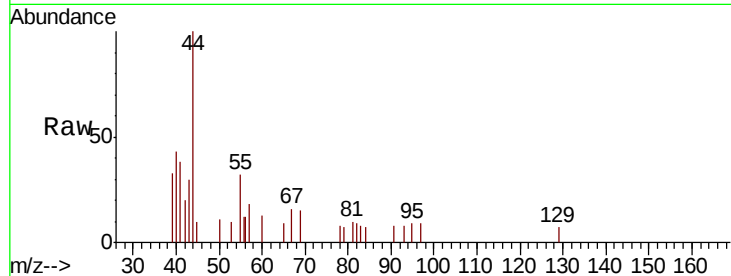
ClientSampleId :

Tot Ion: 56 Resp: 340

Ion Ratio Lower Upper

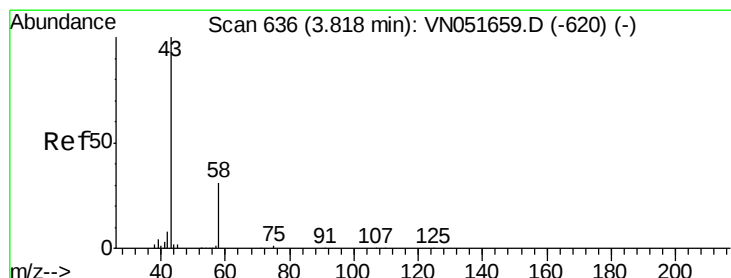
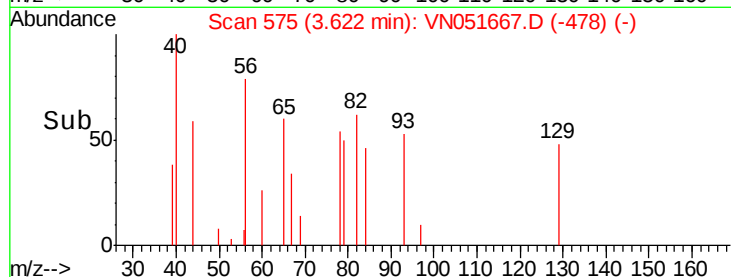
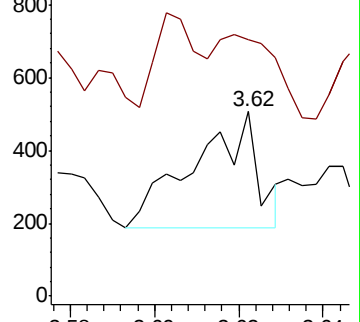
56 100

55 51.8 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051667.D

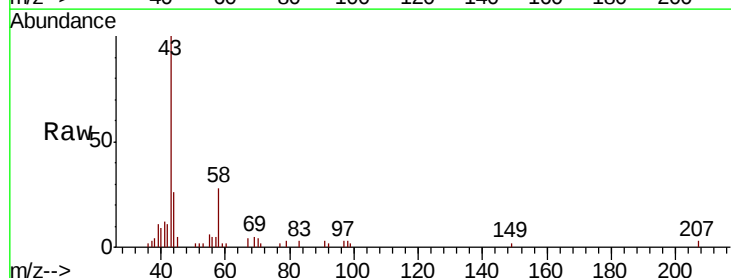
Acq: 4 Oct 2018 15:20

Tgt Ion: 43 Resp: 18642

Ion Ratio Lower Upper

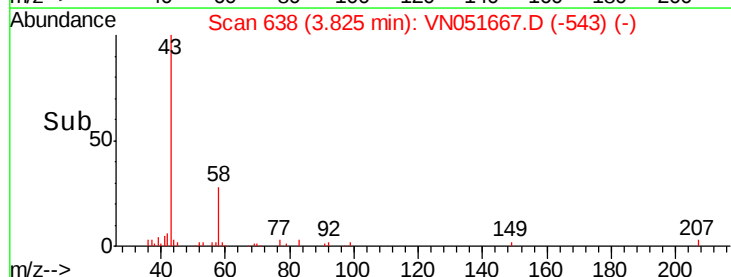
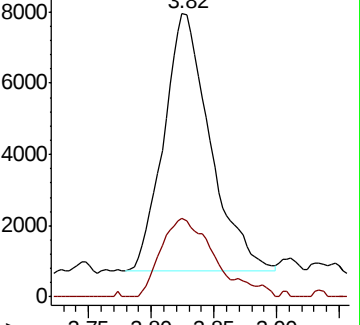
43 100

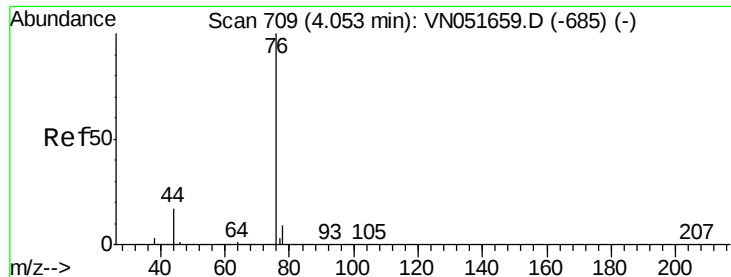
58 30.5 24.3 36.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

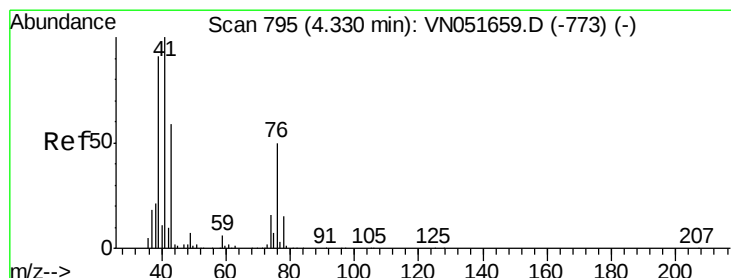
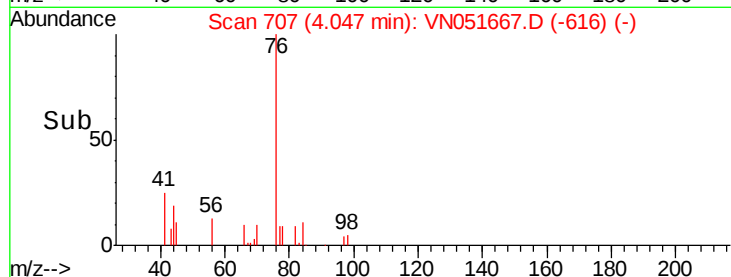
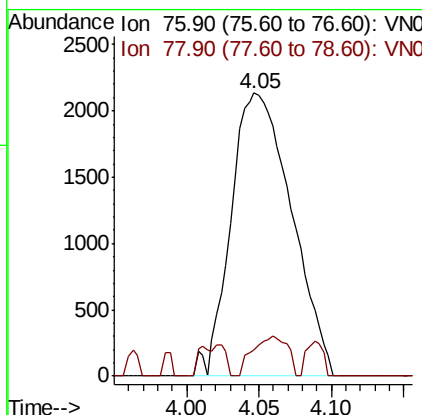
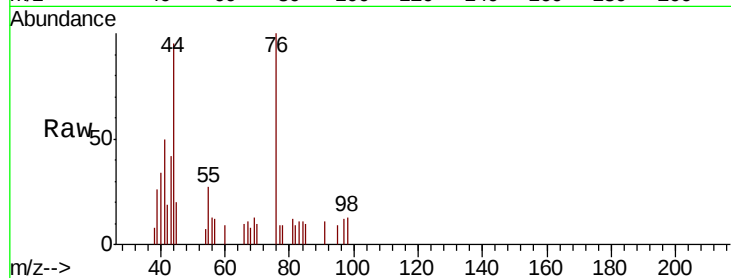




#17
Carbon Disulfide
Concen: 0.322 ug/l
RT: 4.05 min Scan# 707
Delta R.T. -0.01 min
Lab File: VN051667.D
Acq: 4 Oct 2018 15:20

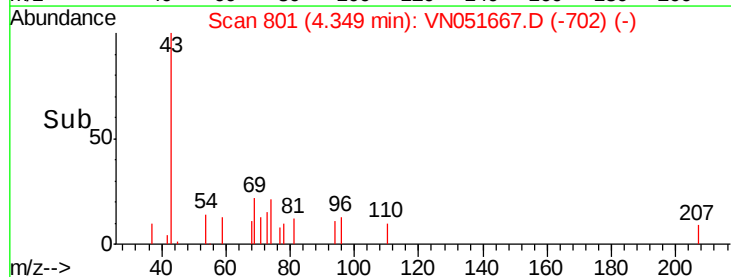
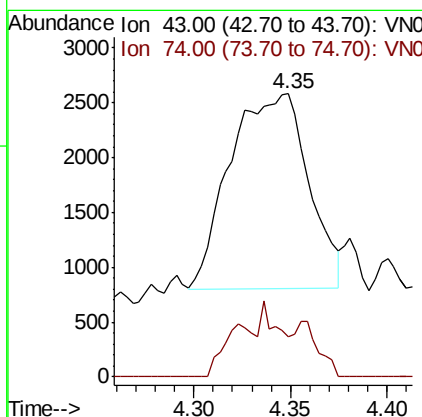
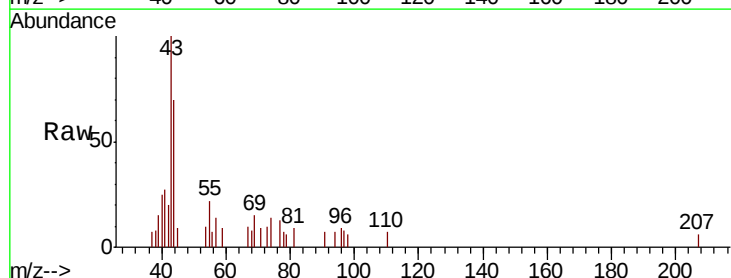
Instrument :
MSVOA_N
ClientSampleId :

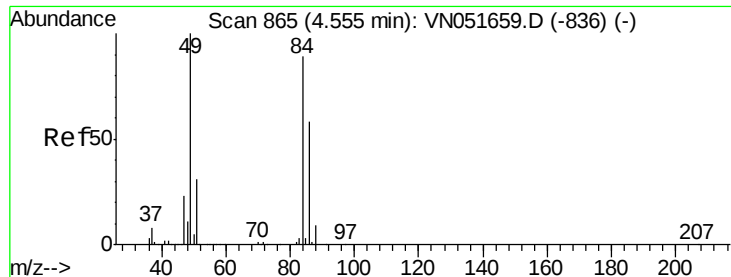
Tot Ion: 76 Resp: 6199
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 1.007 ug/l
RT: 4.35 min Scan# 801
Delta R.T. 0.02 min
Lab File: VN051667.D
Acq: 4 Oct 2018 15:20

Tgt Ion: 43 Resp: 4994
Ion Ratio Lower Upper
43 100
74 9.0 21.5 32.3#

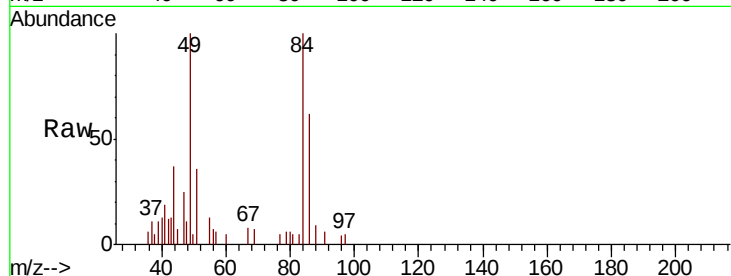




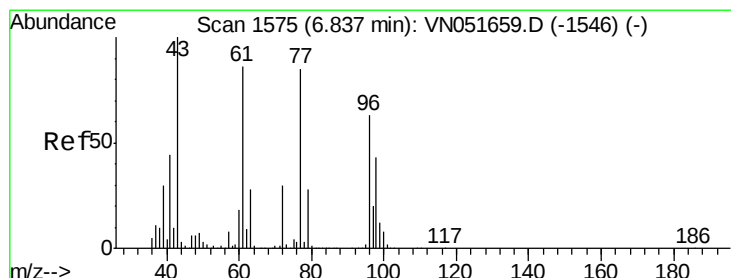
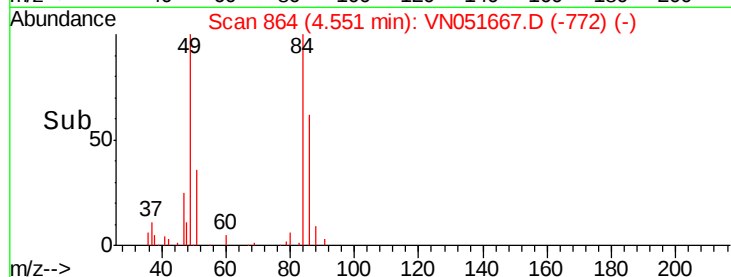
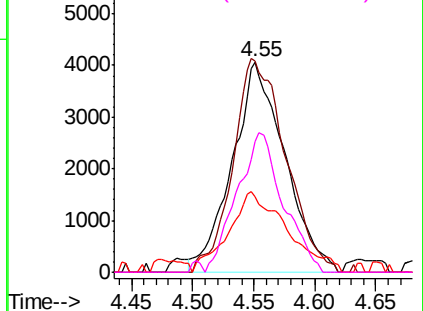
#20
Methvlene Chloride
Concen: 1.645 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051667.D
Acq: 4 Oct 2018 15:20

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 12168
Ion Ratio Lower Upper
84 100
49 100.3 89.5 134.3
51 31.9 27.4 41.0
86 62.0 51.9 77.9

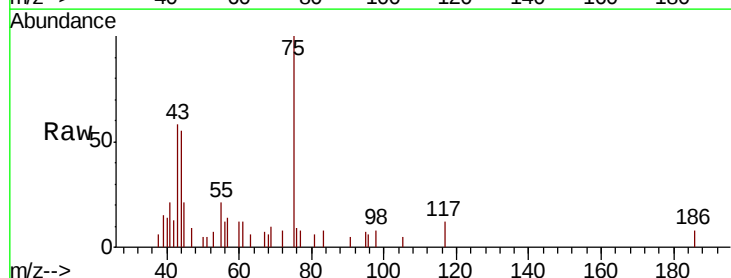


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

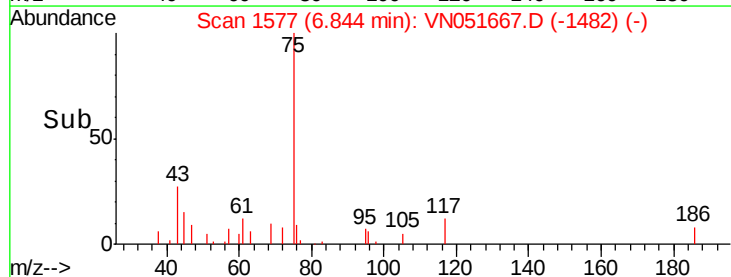
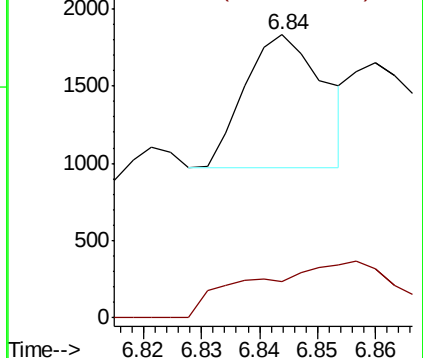


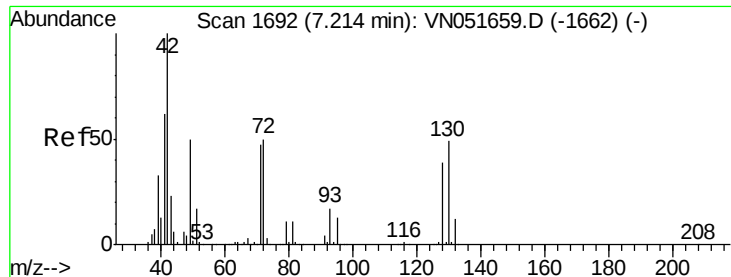
#25
2-Butanone
Concen: 0.316 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051667.D
Acq: 4 Oct 2018 15:20

Tgt Ion: 43 Resp: 820
Ion Ratio Lower Upper
43 100
72 27.8 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

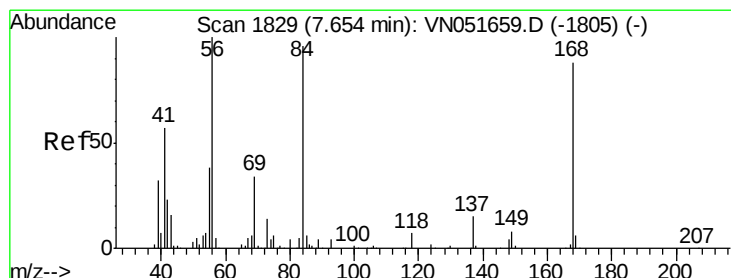
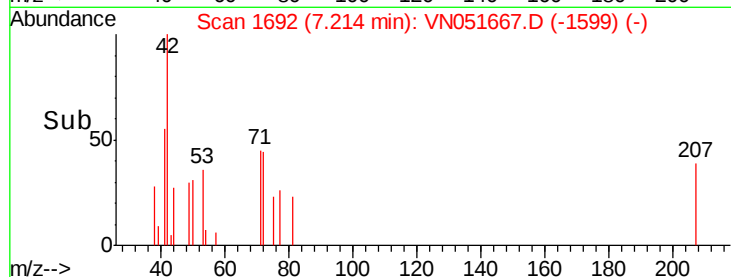
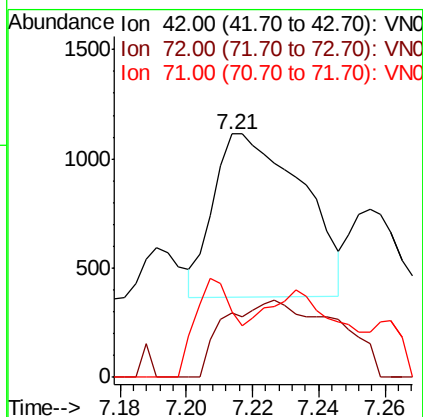
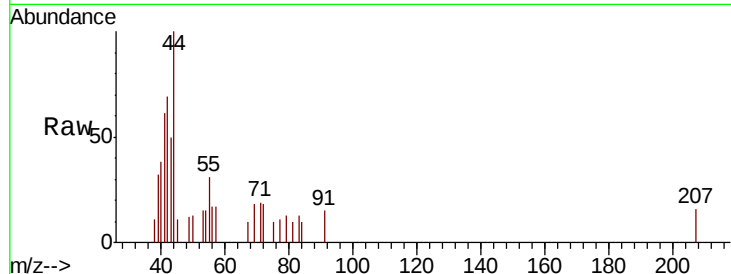




#29
Tetrahydrofuran
Concen: 0.875 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051667.D
Acq: 4 Oct 2018 15:20

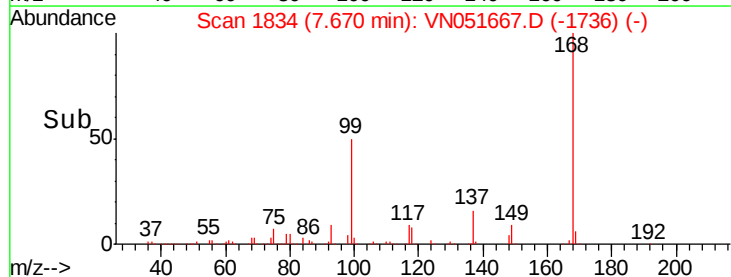
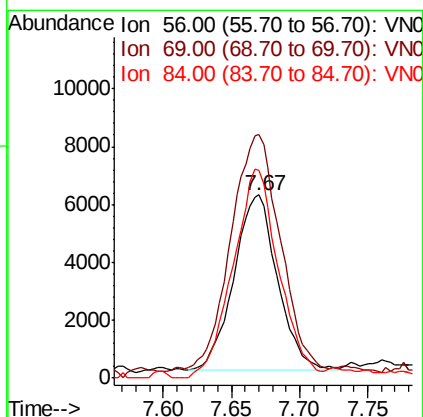
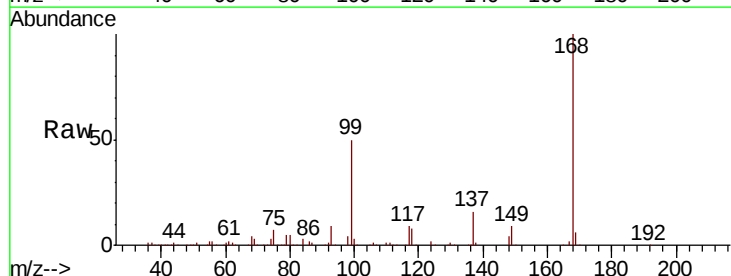
Instrument :
MSVOA_N
ClientSampled :

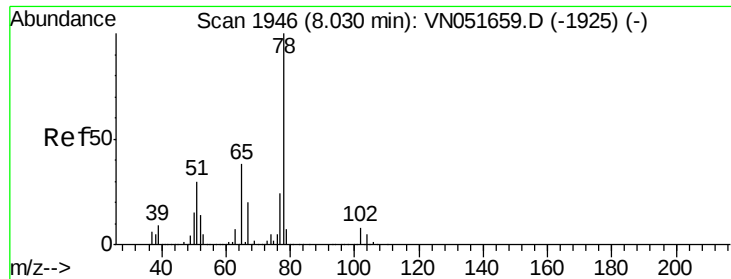
Tot Ion: 42 Resp: 1394
Ion Ratio Lower Upper
42 100
72 0.0 40.1 60.1#
71 26.8 38.0 57.0#



#31
Cyclohexane
Concen: 1.101 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN051667.D
Acq: 4 Oct 2018 15:20

Tgt Ion: 56 Resp: 13441
Ion Ratio Lower Upper
56 100
69 132.9 27.5 41.3#
84 118.5 76.7 115.1#

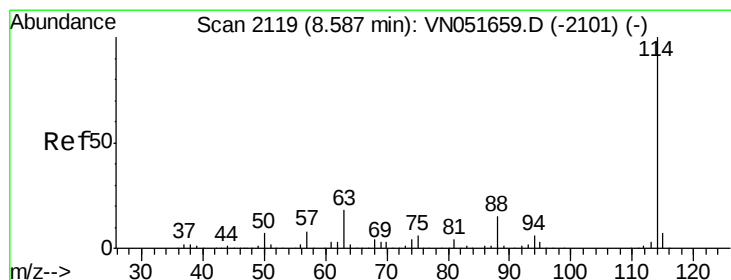
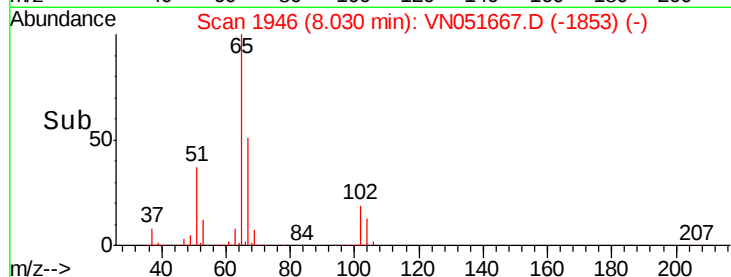
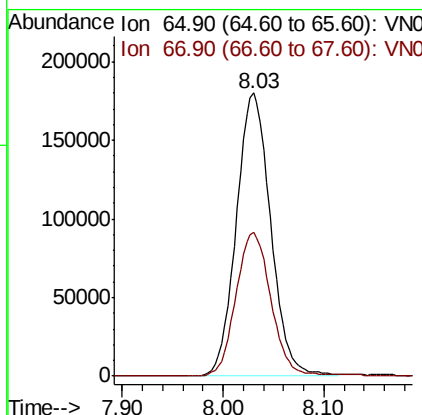
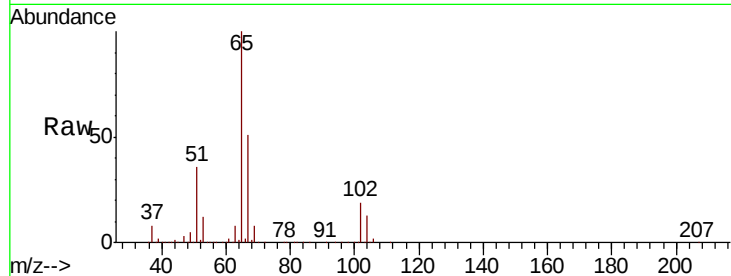




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VN051667.D
 Acq: 4 Oct 2018 15:20

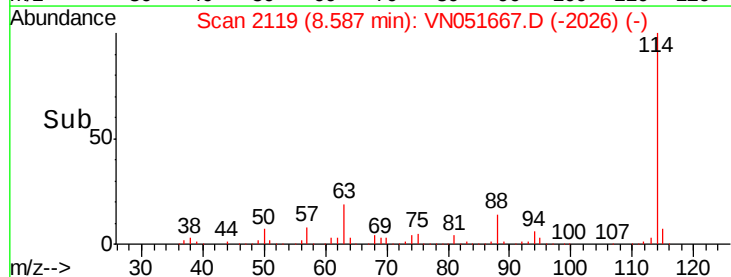
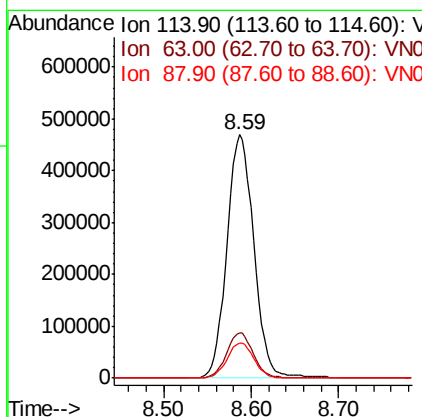
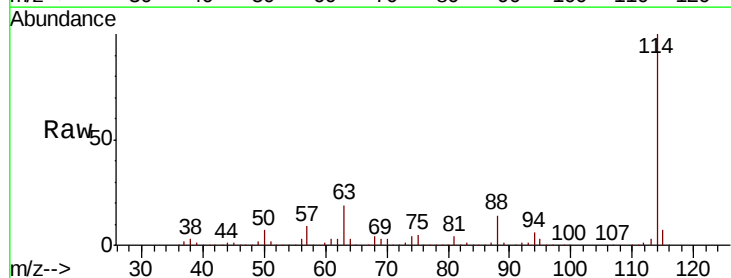
Instrument :
 MSVOA_N
 ClientSampleId :

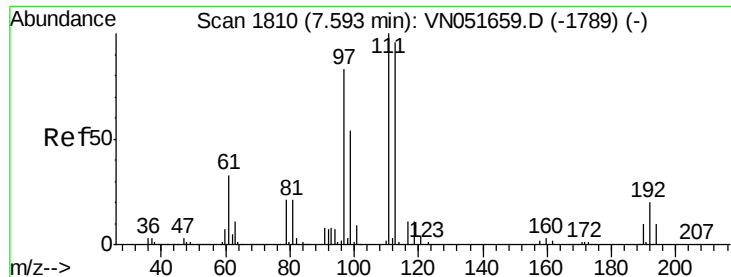
Tot Ion: 65 Resp: 425033
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051667.D
 Acq: 4 Oct 2018 15:20

Tgt Ion: 114 Resp: 1005717
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.2
 88 14.2 0.0 30.2

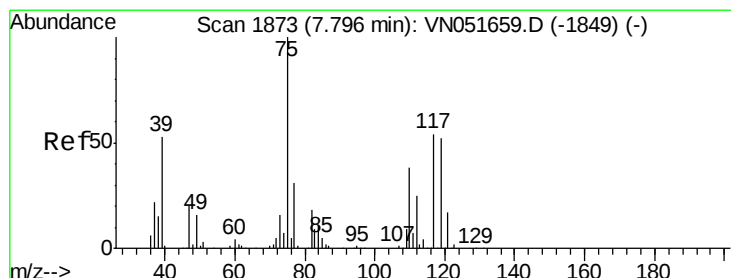
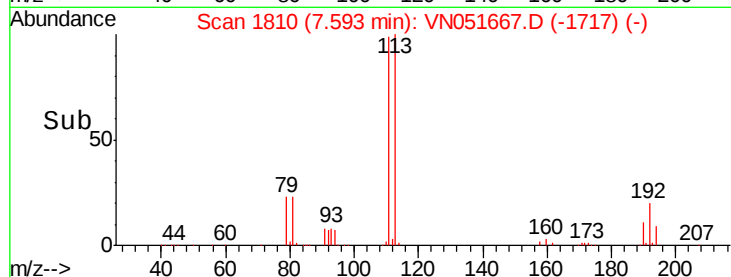
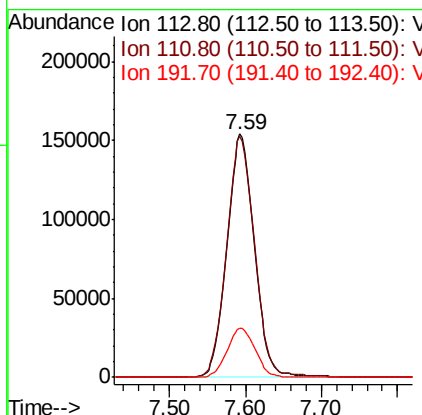
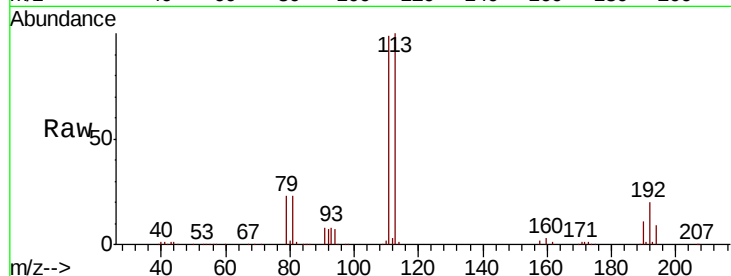




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051667.D
 Acq: 4 Oct 2018 15:20

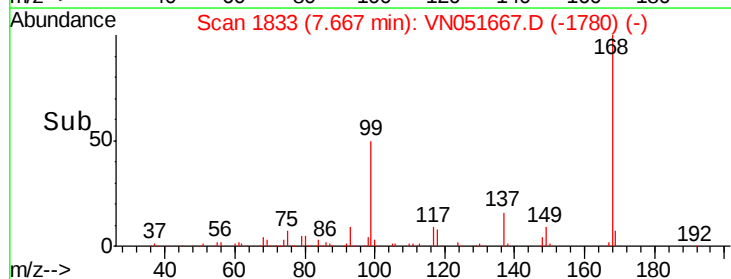
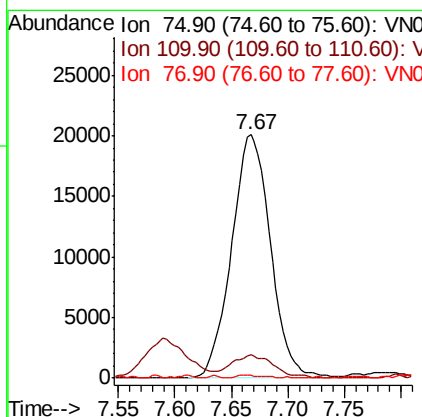
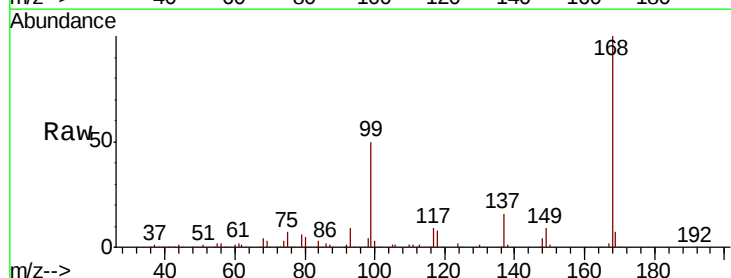
Instrument :
 MSVOA_N
 ClientSampleId :

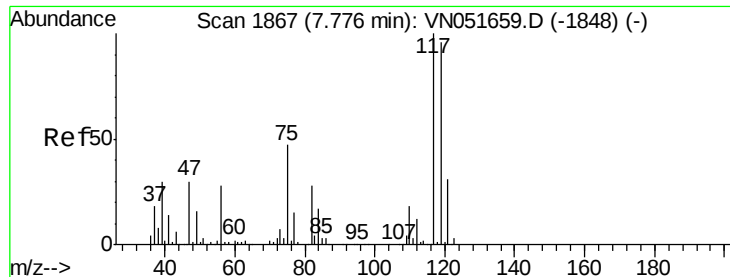
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.8	122.8
192	20.7	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 4.587 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051667.D
 Acq: 4 Oct 2018 15:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	19.3	57.8#
77	0.6	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 5.020 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN051667.D

Acq: 4 Oct 2018 15:20

Instrument :

MSVOA_N

ClientSampleId :

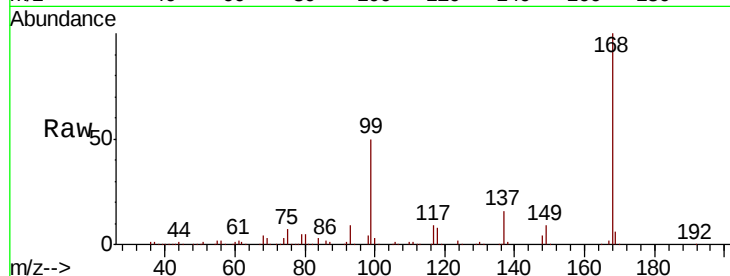
Tot Ion:117 Resp: 63325

Ion Ratio Lower Upper

117 100

119 4.9 77.0 115.6#

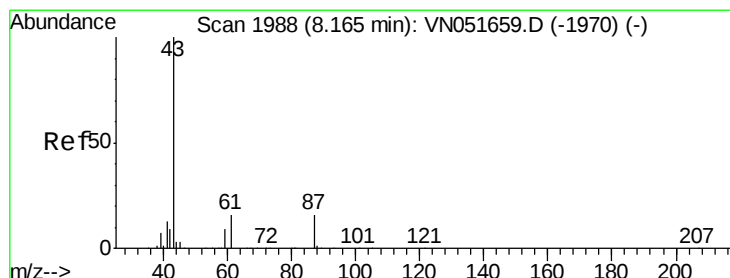
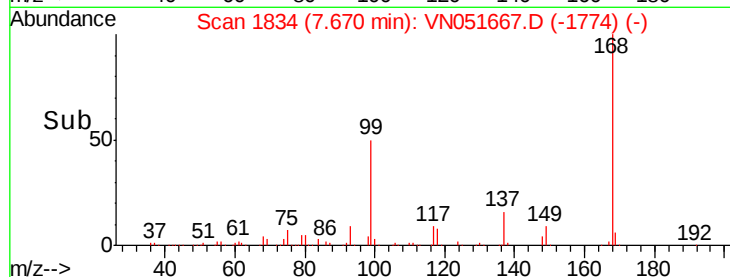
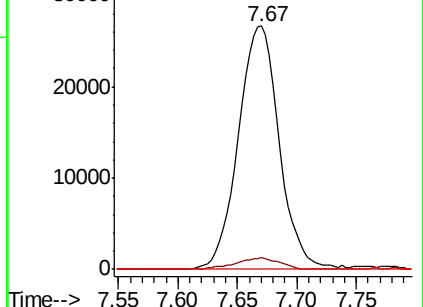
121 0.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 24.232 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051667.D

Acq: 4 Oct 2018 15:20

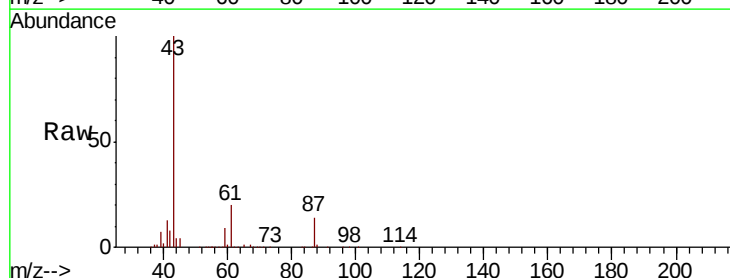
Tgt Ion: 43 Resp: 276999

Ion Ratio Lower Upper

43 100

61 19.2 15.8 23.6

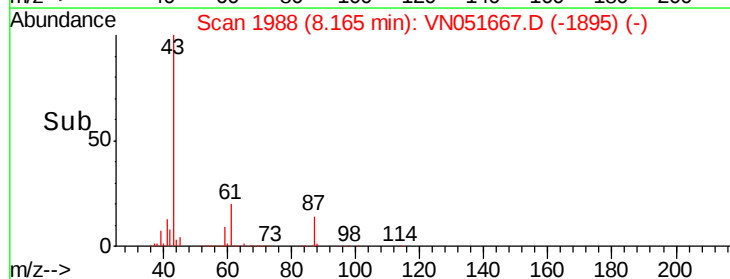
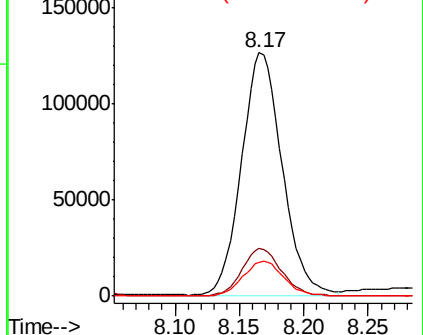
87 14.7 12.6 19.0

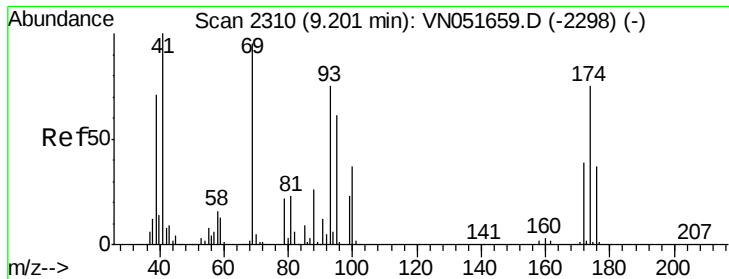


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#48

Methvl methacrylate

Concen: 1.108 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN051667.D

Acq: 4 Oct 2018 15:20

Instrument :
MSVOA_N
ClientSampled :

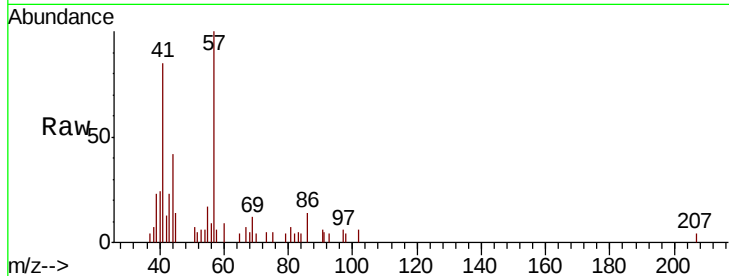
Tot Ion: 41 Resp: 5787

Ion Ratio Lower Upper

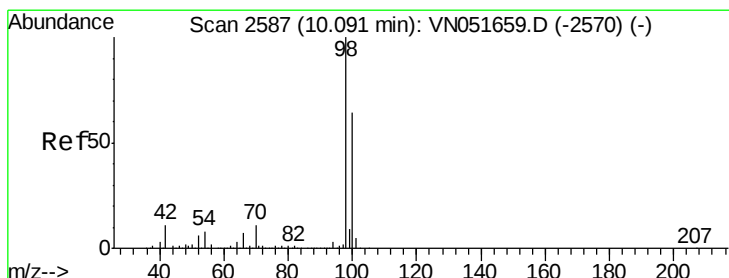
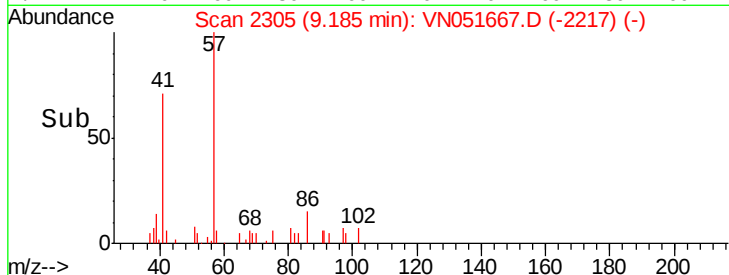
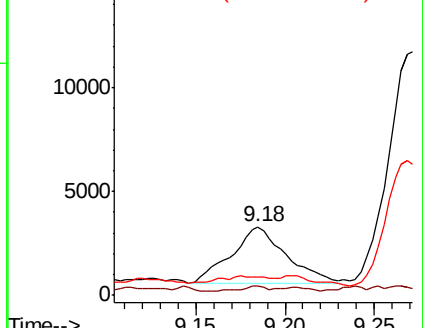
41 100

69 2.5 78.6 118.0#

39 10.9 59.2 88.8#



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051667.D

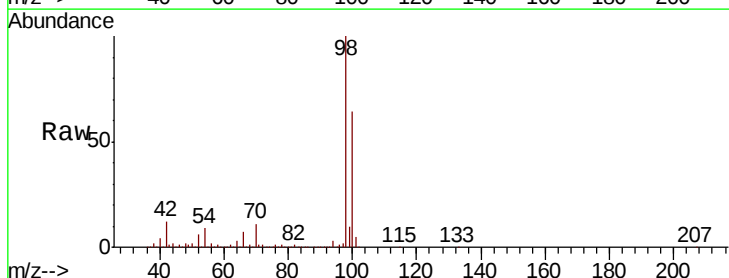
Acq: 4 Oct 2018 15:20

Tgt Ion: 98 Resp: 1428164

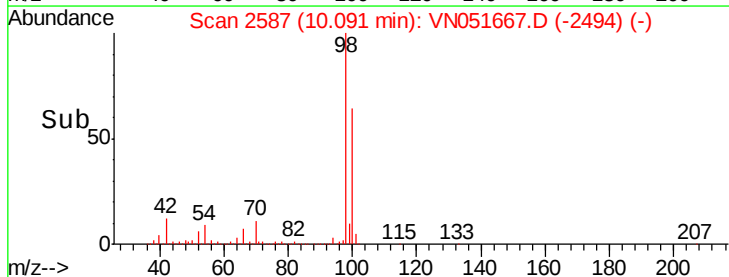
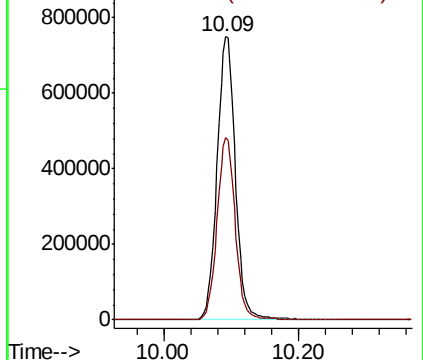
Ion Ratio Lower Upper

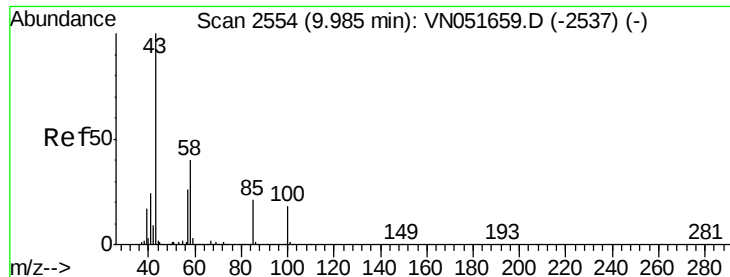
98 100

100 63.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

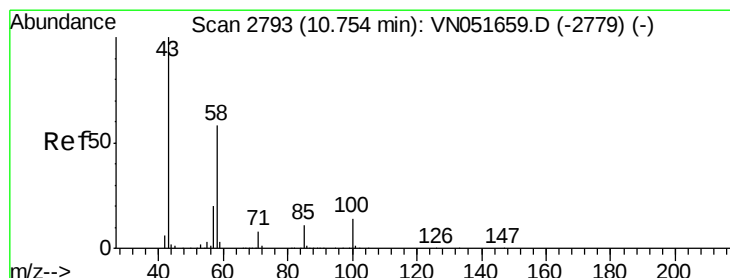
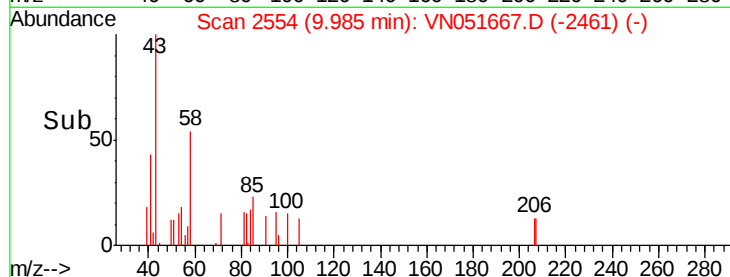
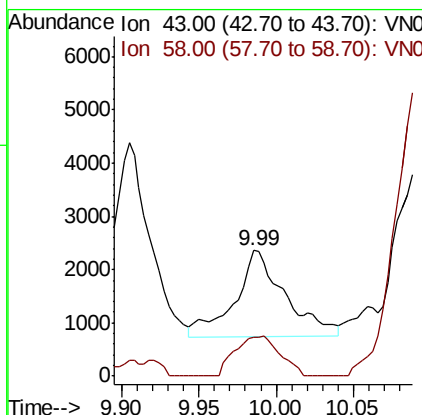
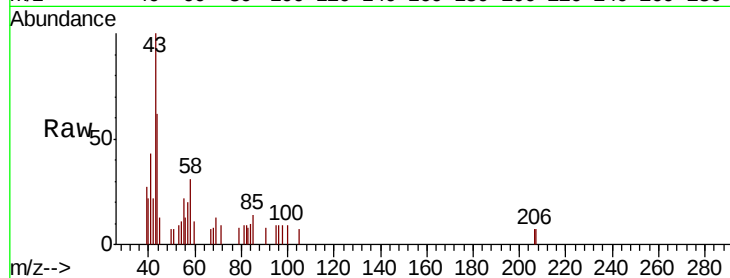




#51
 4-Methyl-2-Pentanone
 Concen: 0.633 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051667.D
 Acq: 4 Oct 2018 15:20

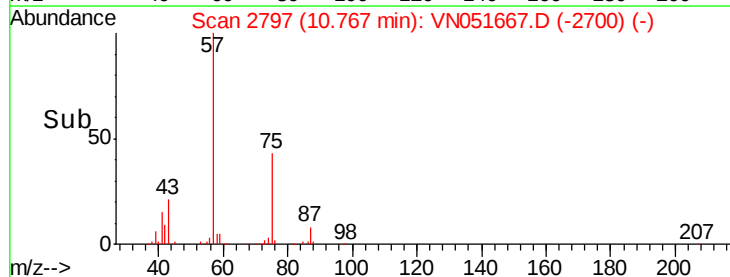
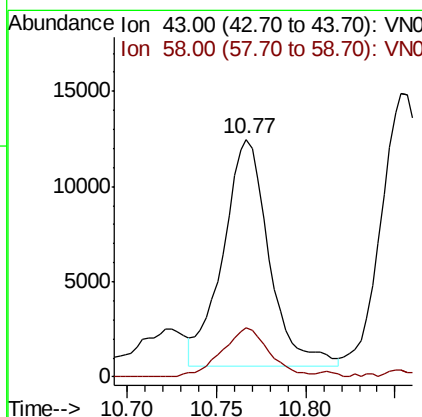
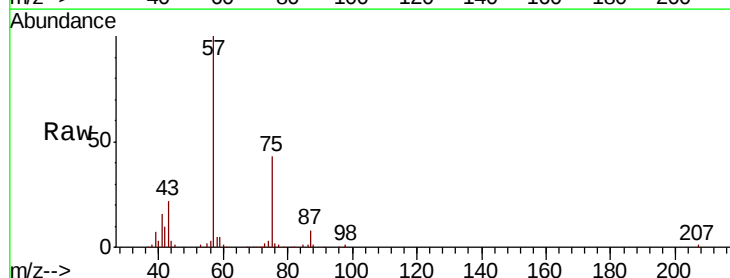
Instrument :
 MSVOA_N
 ClientSampleId :

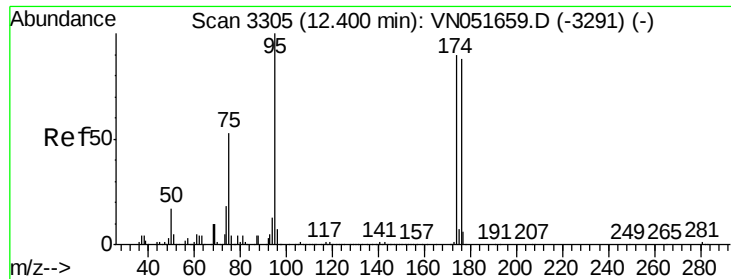
Tot Ion: 43 Resp: 3669
 Ion Ratio Lower Upper
 43 100
 58 41.3 32.2 48.2



#59
 2-Hexanone
 Concen: 5.419 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN051667.D
 Acq: 4 Oct 2018 15:20

Tgt Ion: 43 Resp: 21318
 Ion Ratio Lower Upper
 43 100
 58 22.5 28.8 86.4#





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051667.D

Acq: 4 Oct 2018 15:20

Instrument :

MSVOA_N

ClientSampleId :

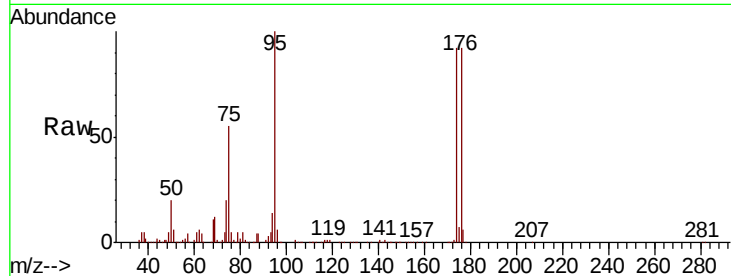
Tot Ion: 95 Resp: 396120

Ion Ratio Lower Upper

95 100

174 91.5 0.0 182.8

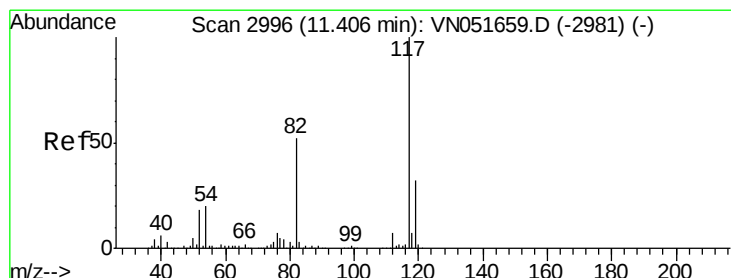
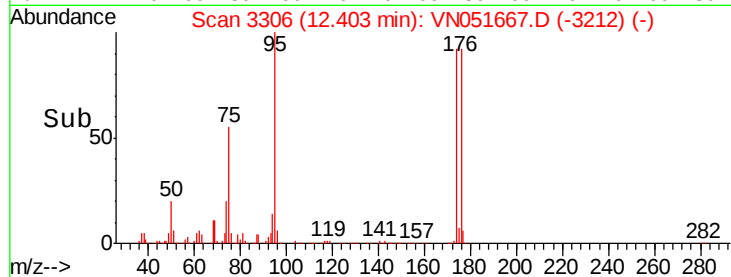
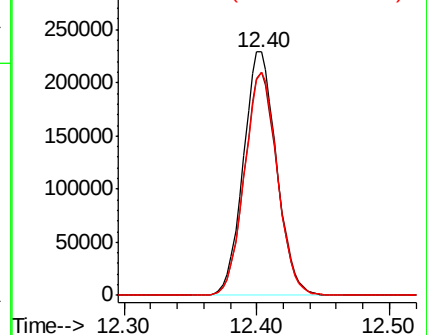
176 90.9 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): VN051659.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN051659.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN051659.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN051667.D

Acq: 4 Oct 2018 15:20

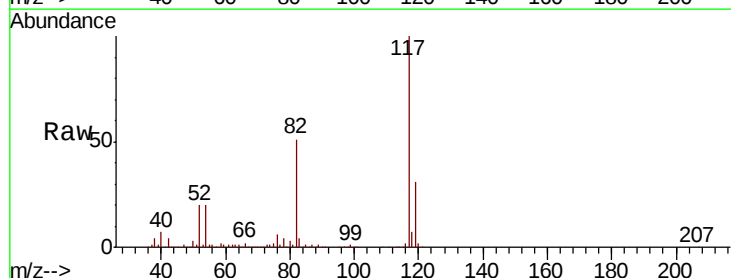
Tgt Ion: 117 Resp: 880315

Ion Ratio Lower Upper

117 100

82 51.0 41.3 61.9

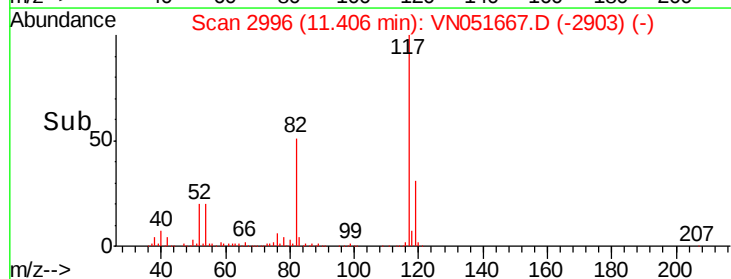
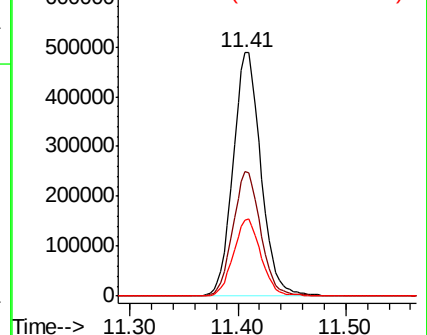
119 31.4 25.9 38.9

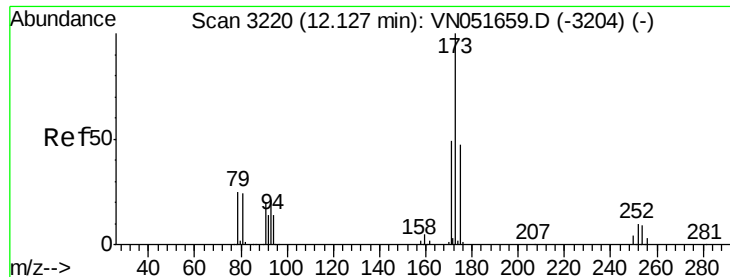


Abundance Ion 116.90 (116.60 to 117.60): VN051659.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051659.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051659.D (-2981) (-)





#71

Bromoform

Concen: 0.524 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN051667.D

Acq: 4 Oct 2018 15:20

Instrument :

MSVOA_N

ClientSampleId :

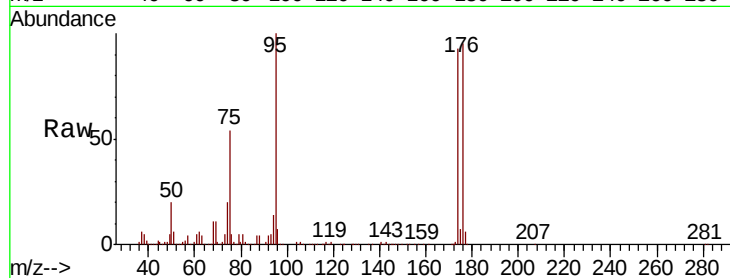
Tot Ion:173 Resp: 3403

Ion Ratio Lower Upper

173 100

175 671.5 24.0 72.0#

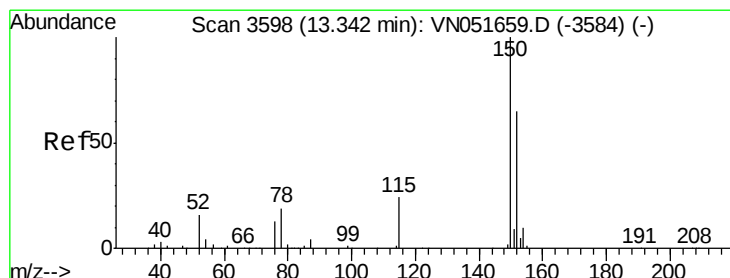
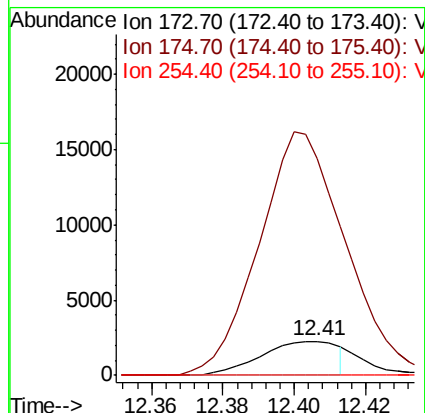
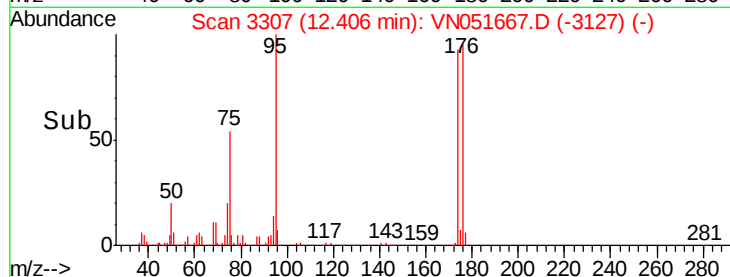
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051667.D

Acq: 4 Oct 2018 15:20

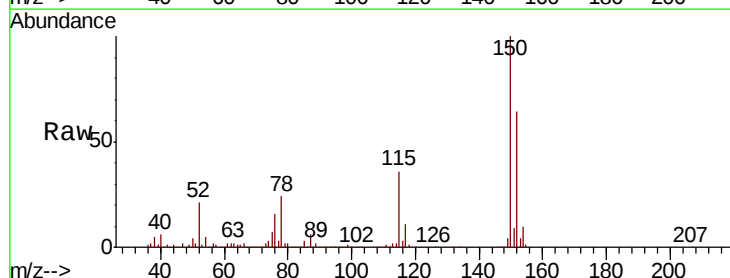
Tgt Ion:152 Resp: 314275

Ion Ratio Lower Upper

152 100

115 56.7 28.6 85.8

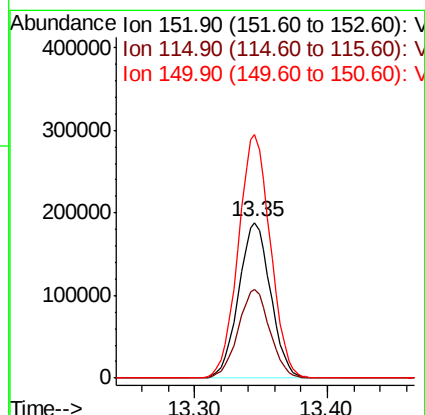
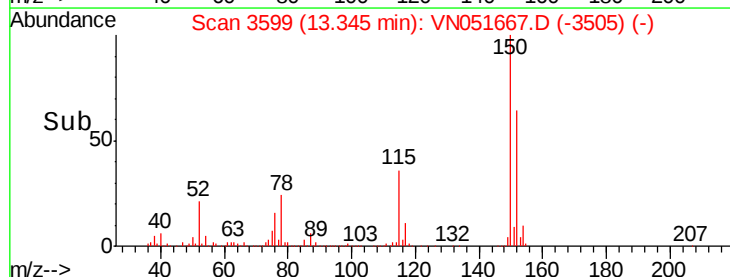
150 157.5 0.0 352.4

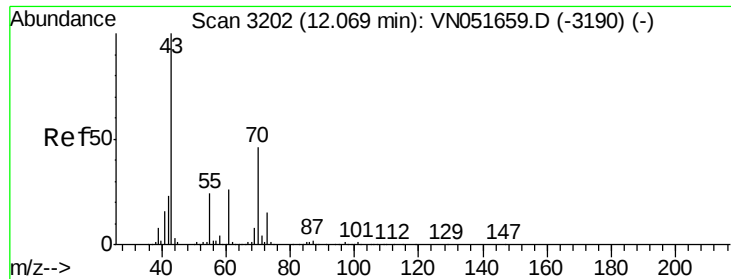


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: Below Cal

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN051667.D

Acq: 4 Oct 2018 15:20

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 902

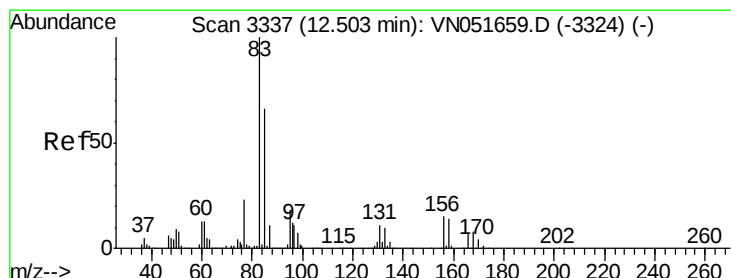
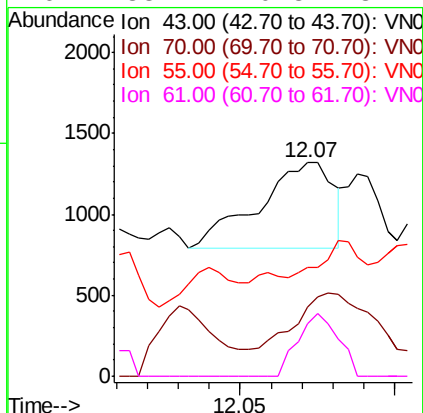
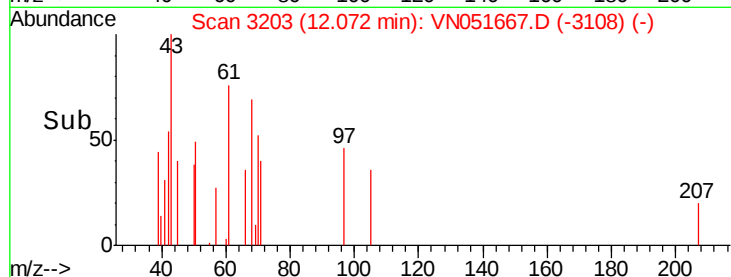
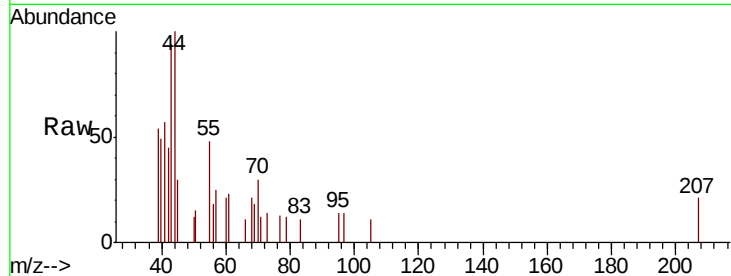
Ion Ratio Lower Upper

43 100

70 115.2 37.1 55.7#

55 15.0 19.1 28.7#

61 38.7 20.8 31.2#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051667.D

Acq: 4 Oct 2018 15:20

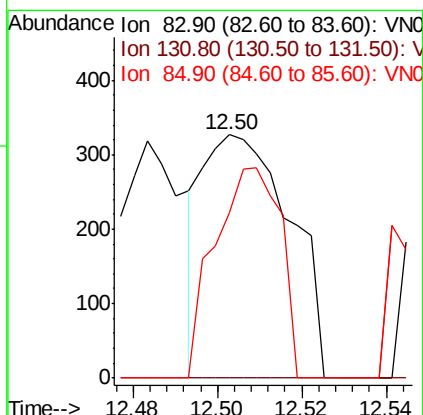
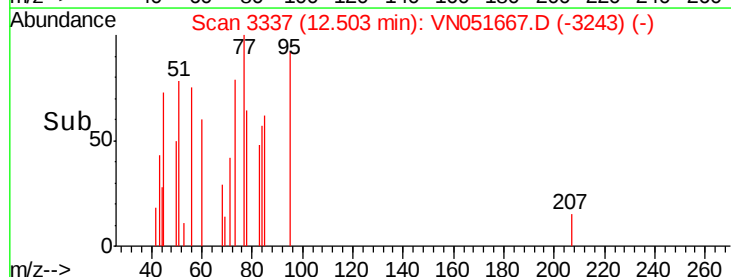
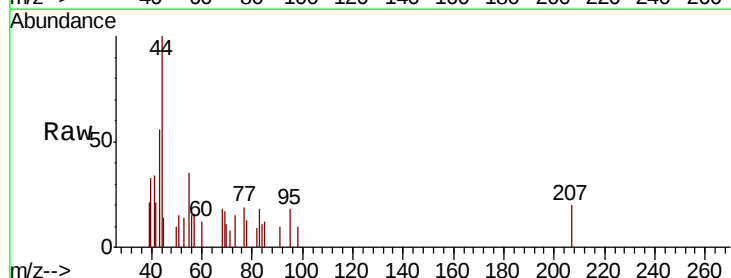
Tgt Ion: 83 Resp: 468

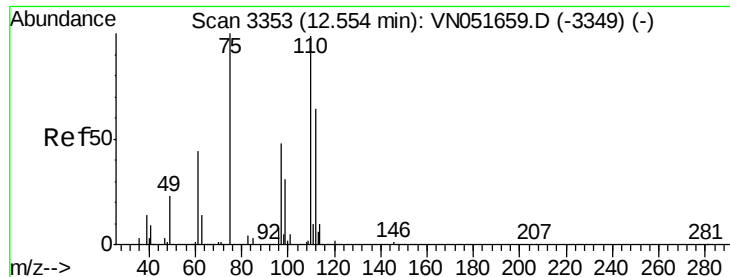
Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

85 65.4 33.0 98.9





#76

1,2,3-Trichloropropane

Concen: 56.081 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051667.D

Acq: 4 Oct 2018 15:20

Instrument :

MSVOA_N

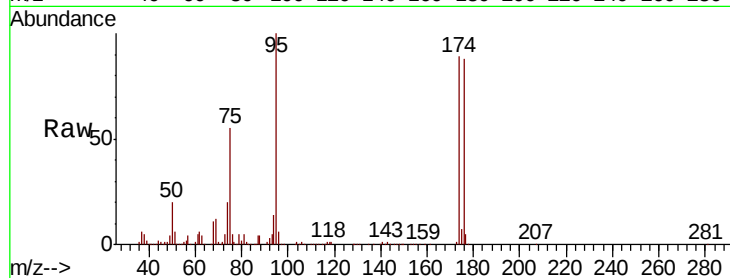
ClientSampleId :

Tot Ion: 75 Resp: 217044

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN051659.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN051659.D (-3349) (-)

12.40

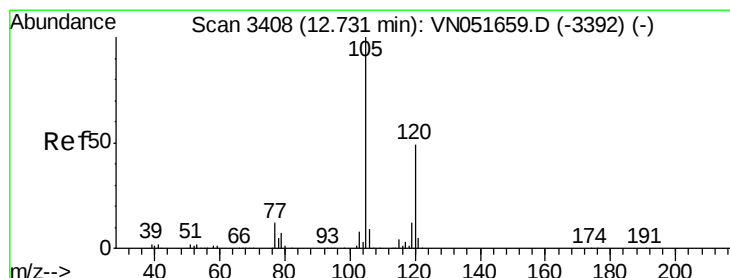
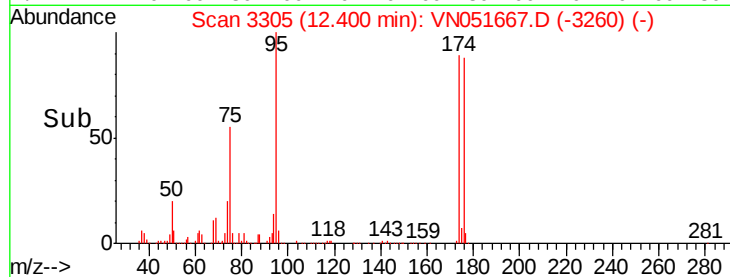
100000

50000

0

12.35 12.40 12.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.326 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051667.D

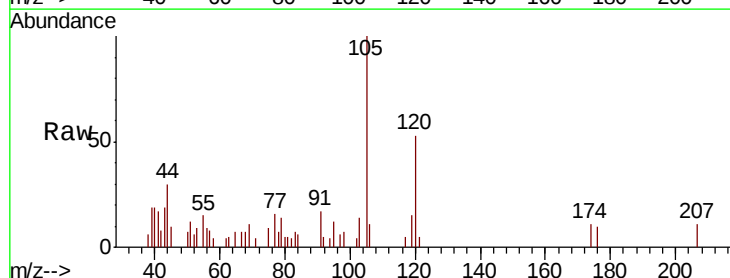
Acq: 4 Oct 2018 15:20

Tgt Ion: 105 Resp: 7349

Ion Ratio Lower Upper

105 100

120 49.3 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN051659.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN051659.D (-3392) (-)

12.73

4000

3000

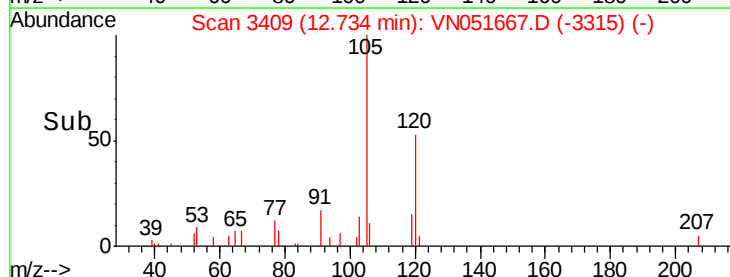
2000

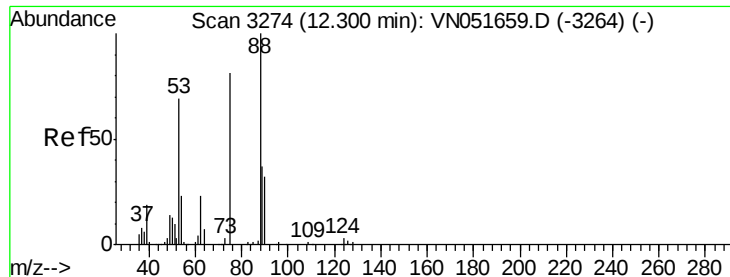
1000

0

12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 126.949 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051667.D

Acq: 4 Oct 2018 15:20

Instrument :

MSVOA_N

ClientSampleId :

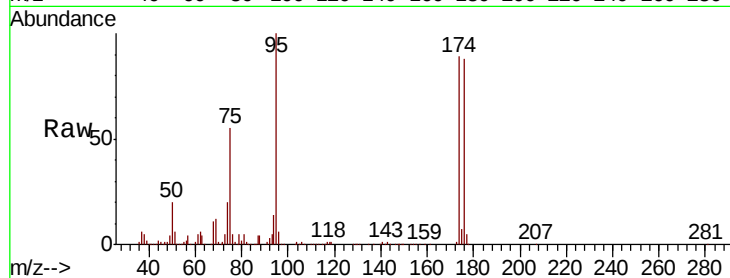
Tot Ion: 75 Resp: 217044

Ion Ratio Lower Upper

75 100

53 0.0 68.6 102.8#

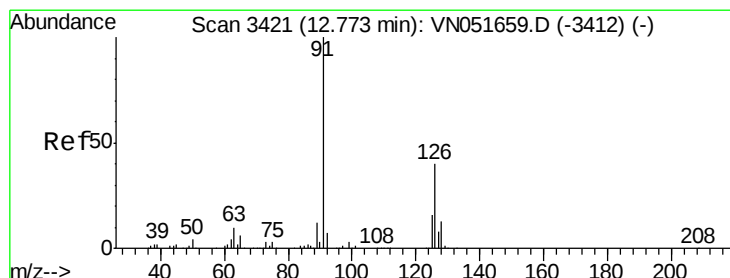
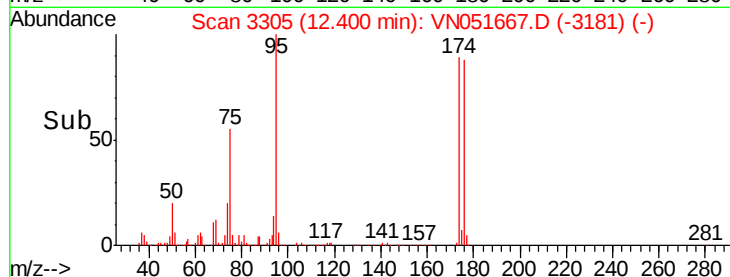
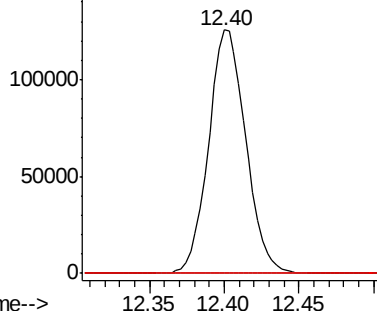
89 0.0 39.4 59.2#



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



#82

4-Chlorotoluene

Concen: 0.231 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN051667.D

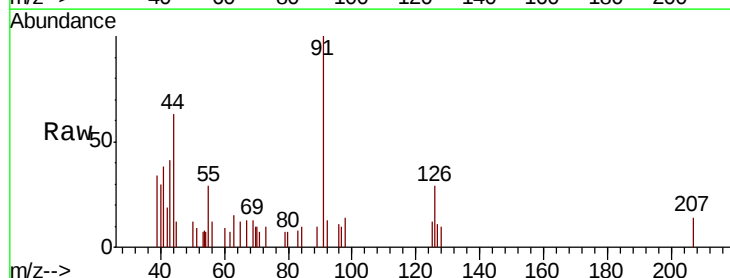
Acq: 4 Oct 2018 15:20

Tgt Ion: 91 Resp: 3994

Ion Ratio Lower Upper

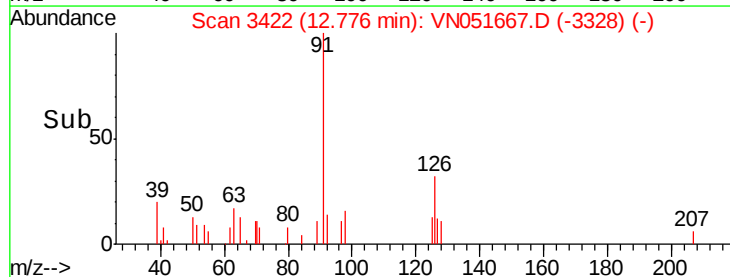
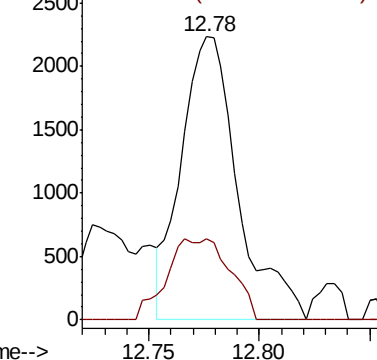
91 100

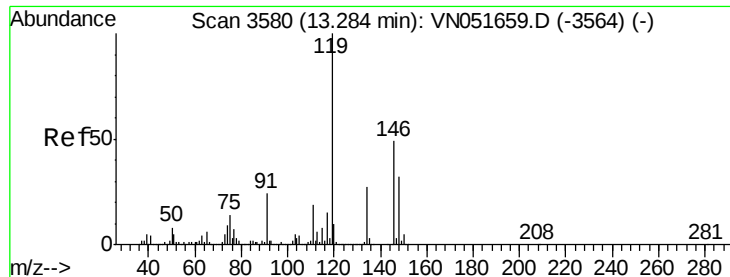
126 31.8 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#87

1,3-Dichlorobenzene

Concen: 0.231 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051667.D

Acq: 4 Oct 2018 15:20

Instrument :

MSVOA_N

ClientSampled :

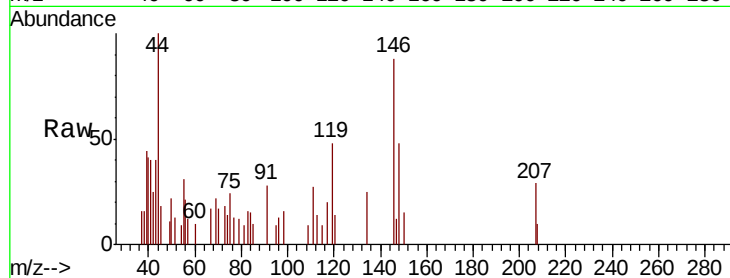
Tot Ion:146 Resp: 2632

Ion Ratio Lower Upper

146 100

111 34.5 19.3 57.9

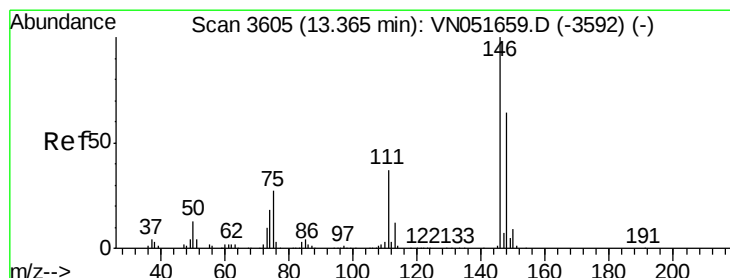
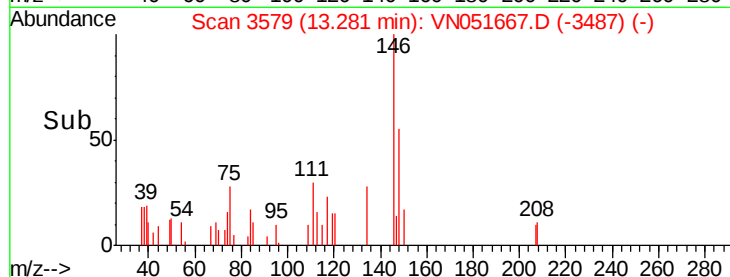
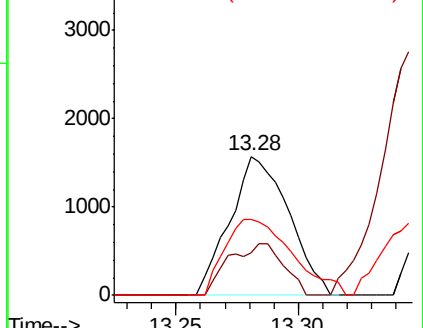
148 62.7 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.234 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.08 min

Lab File: VN051667.D

Acq: 4 Oct 2018 15:20

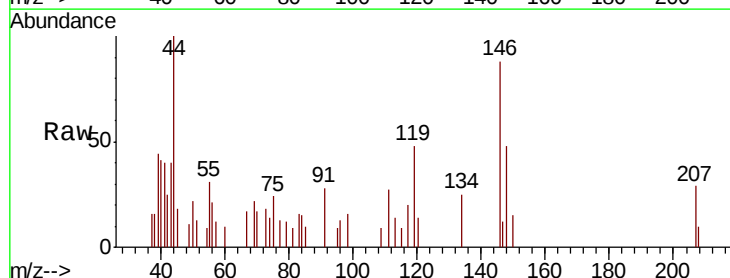
Tgt Ion:146 Resp: 2632

Ion Ratio Lower Upper

146 100

111 34.5 18.6 55.8

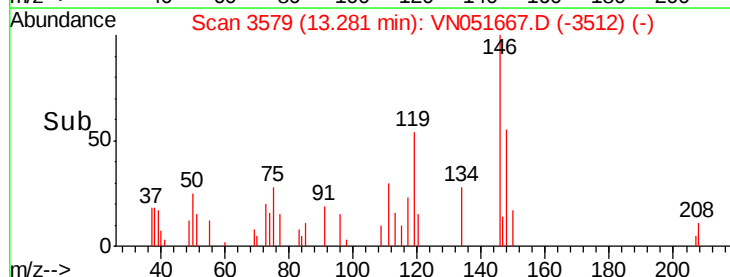
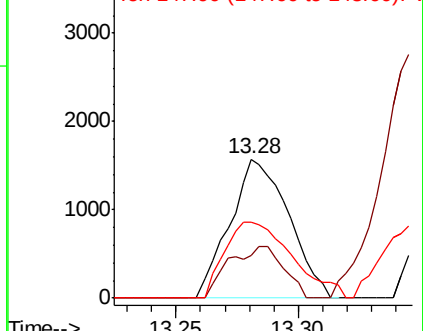
148 62.7 32.3 96.8

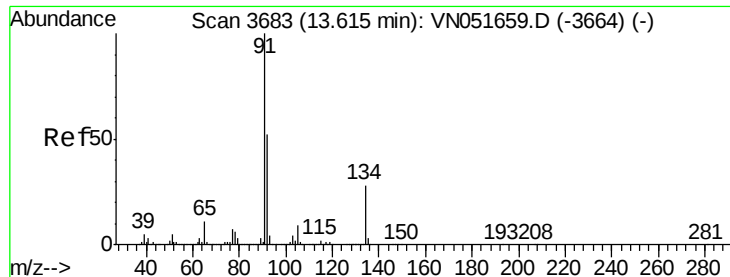


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

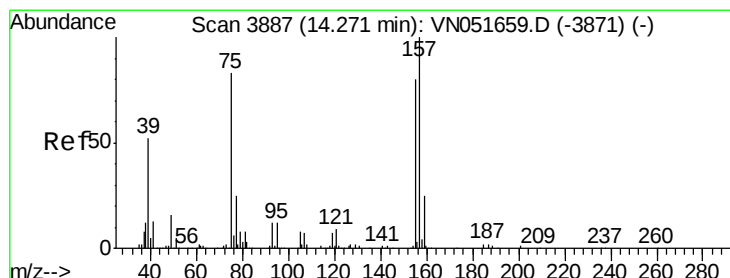
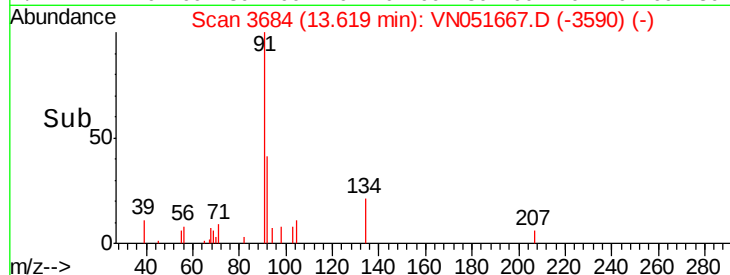
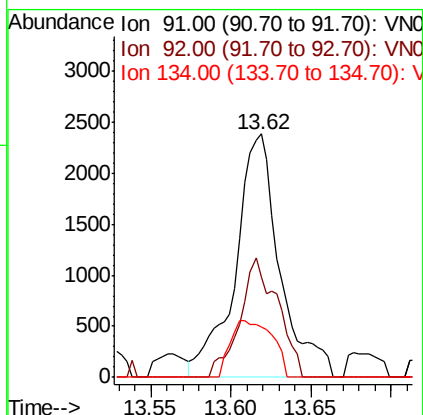
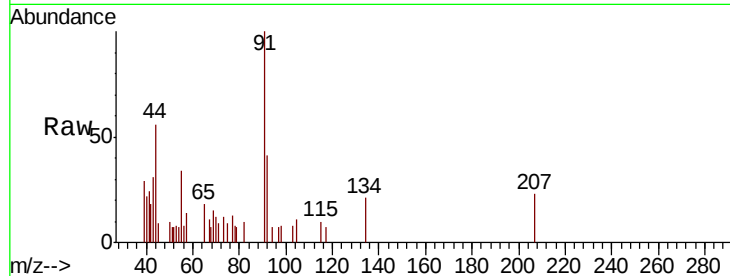




#89
n-Butylbenzene
Concen: 0.242 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN051667.D
Acq: 4 Oct 2018 15:20

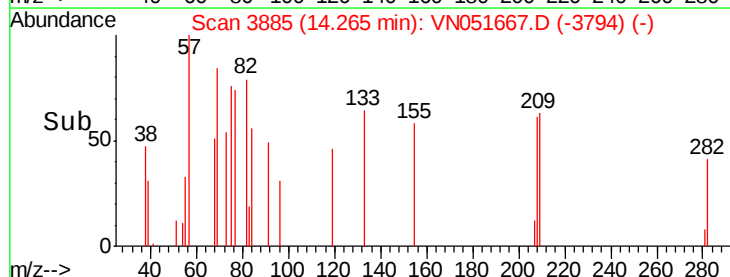
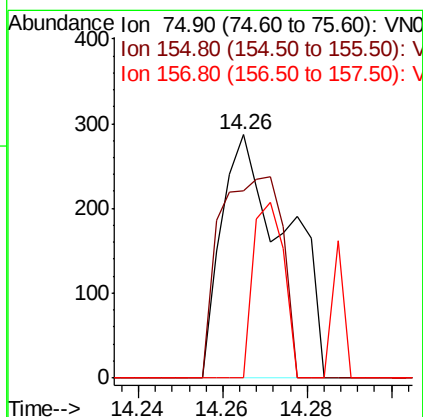
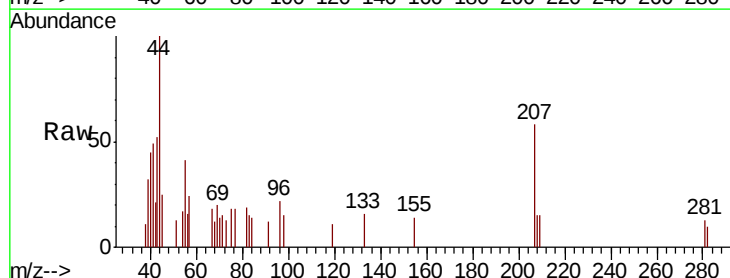
Instrument :
MSVOA_N
ClientSampled :

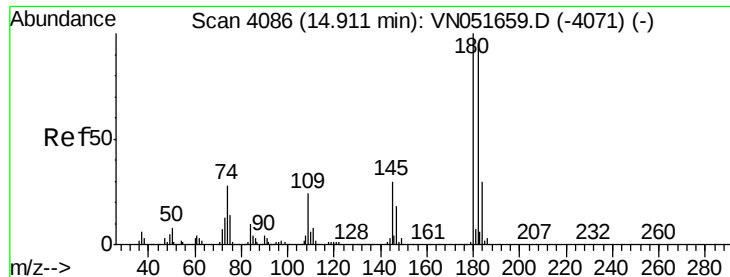
Tot Ion: 91 Resp: 4535
Ion Ratio Lower Upper
91 100
92 41.5 26.0 78.0
134 21.8 14.2 42.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.326 ug/l
RT: 14.26 min Scan# 3885
Delta R.T. -0.01 min
Lab File: VN051667.D
Acq: 4 Oct 2018 15:20

Tgt Ion: 75 Resp: 307
Ion Ratio Lower Upper
75 100
155 80.1 47.6 142.9
157 34.2 61.7 185.1#

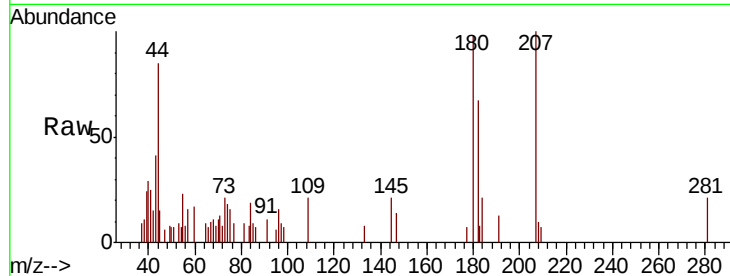




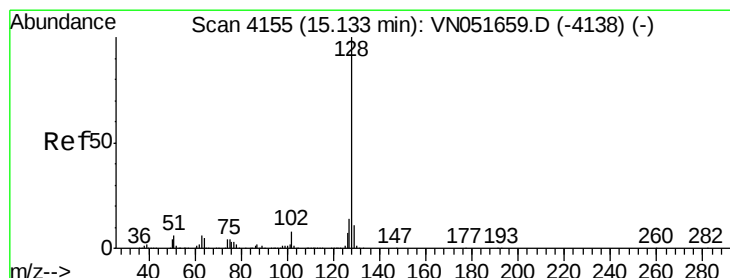
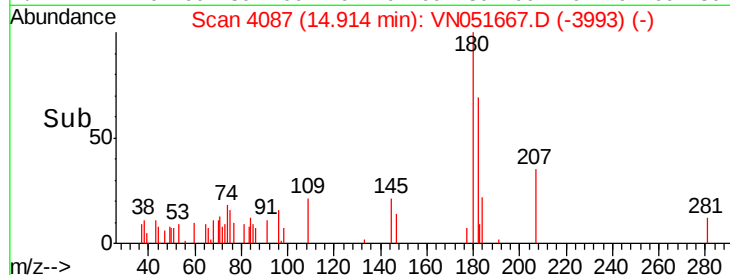
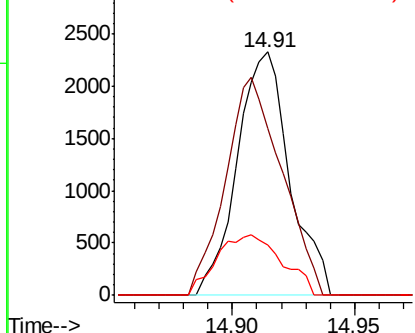
#93
 1,2,4-Trichlorobenzene
 Concen: 0.686 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN051667.D
 Acq: 4 Oct 2018 15:20

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.7	143.1
145	30.9	15.3	45.9

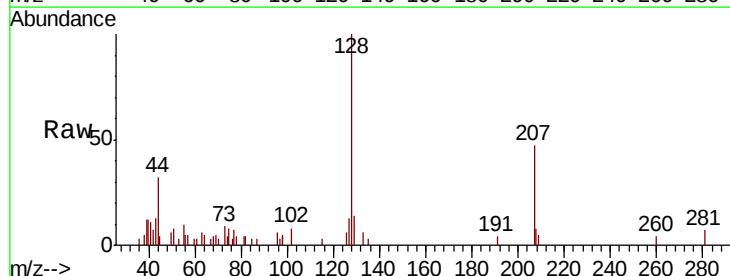


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

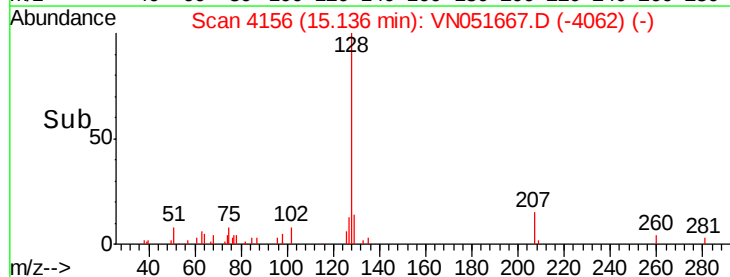
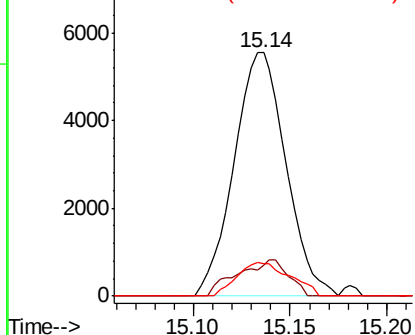


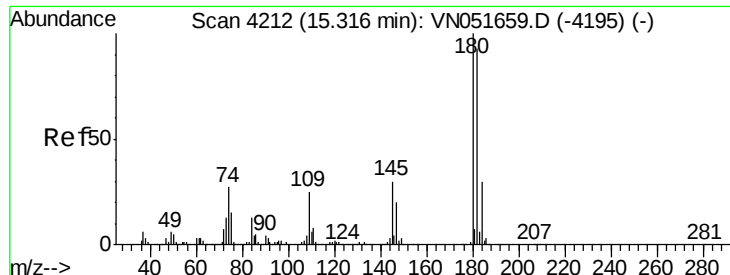
#95
 Naphthalene
 Concen: 0.946 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN051667.D
 Acq: 4 Oct 2018 15:20

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.6	15.8
129	14.1	9.0	13.6#



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

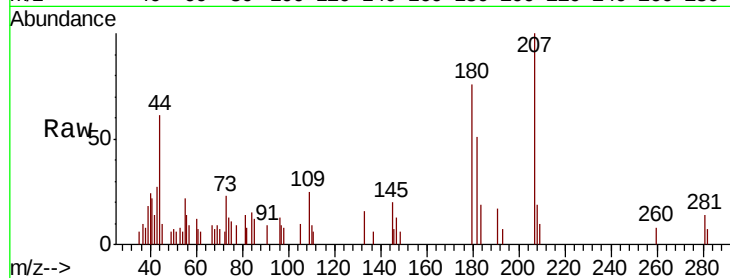




#96
 1,2,3-Trichlorobenzene
 Concen: 0.784 ug/l
 RT: 15.32 min Scan# 4214
 Delta R.T. 0.01 min
 Lab File: VN051667.D
 Acq: 4 Oct 2018 15:20

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.2	47.3	141.8
145	29.0	15.6	46.8



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

