

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091818\
 Data File : VN051297.D
 Acq On : 18 Sep 2018 15:01
 Operator : MD\SY
 Sample : PB112947TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Quant Time: Sep 19 01:18:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 06:04:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	401288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	609280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	514885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	142454	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	223311	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	
35) Dibromofluoromethane	7.59	113	232508	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
50) Toluene-d8	10.09	98	814076	46.52	ug/l	0.00
Spiked Amount			Recovery	=	93.04%	
62) 4-Bromofluorobenzene	12.40	95	204549	36.75	ug/l	0.00
Spiked Amount			Recovery	=	73.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1481	Below Cal	#	71
5) Bromomethane	2.57	94	2314	1.265	ug/l	96
10) Methyl Iodide	3.96	142	1235	6.350	ug/l #	49
11) Tert butyl alcohol	4.80	59	148	0.616	ug/l #	73
13) Acrolein	3.62	56	146	10.723	ug/l #	14
16) Acetone	3.82	43	19134	10.309	ug/l	96
17) Carbon Disulfide	4.06	76	5395	0.327	ug/l	99
18) Methyl Acetate	4.34	43	7418	1.784	ug/l #	73
20) Methylene Chloride	4.55	84	23690	4.963	ug/l	99
25) 2-Butanone	6.85	43	5939	4.251	ug/l #	85
29) Tetrahydrofuran	7.23	42	975	1.129	ug/l #	46
31) Cyclohexane	7.67	56	6639	0.877	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	24910	3.777	ug/l #	48
37) Ethyl Acetate	6.85	43	5939	1.752	ug/l #	71
38) Carbon Tetrachloride	7.67	117	34569	5.027	ug/l #	18
43) Isopropyl Acetate	8.17	43	202005	34.432	ug/l	99
48) Methyl methacrylate	9.18	41	5394	1.909	ug/l #	19
51) 4-Methyl-2-Pentanone	9.99	43	2805	0.927	ug/l #	86
56) Ethyl methacrylate	10.43	69	93	2.083	ug/l #	29
59) 2-Hexanone	10.77	43	13514	6.780	ug/l	66
70) Styrene	11.96	104	790	1.302	ug/l #	82
74) N-amyl acetate	12.07	43	1476	0.599	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.51	83	339	Below Cal	#	70
76) 1,2,3-Trichloropropane	12.40	75	95623	49.053	ug/l #	100
77) Bromobenzene	12.53	156	843	Below Cal		90
80) 1,3,5-Trimethylbenzene	12.74	105	2097	0.218	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	95623	149.087	ug/l #	15
82) 4-Chlorotoluene	12.77	91	2157	0.275	ug/l	94
87) 1,3-Dichlorobenzene	13.28	146	2046	0.386	ug/l	94
88) 1,4-Dichlorobenzene	13.28	146	2046	0.815	ug/l	94
89) n-Butylbenzene	13.62	91	2050	2.282	ug/l	83
91) 1,2-Dichlorobenzene	13.65	146	2068	Below Cal		87
92) 1,2-Dibromo-3-Chloropropan	14.28	75	106	0.463	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	3086	6.188	ug/l	90

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Response via : Initial Calibration

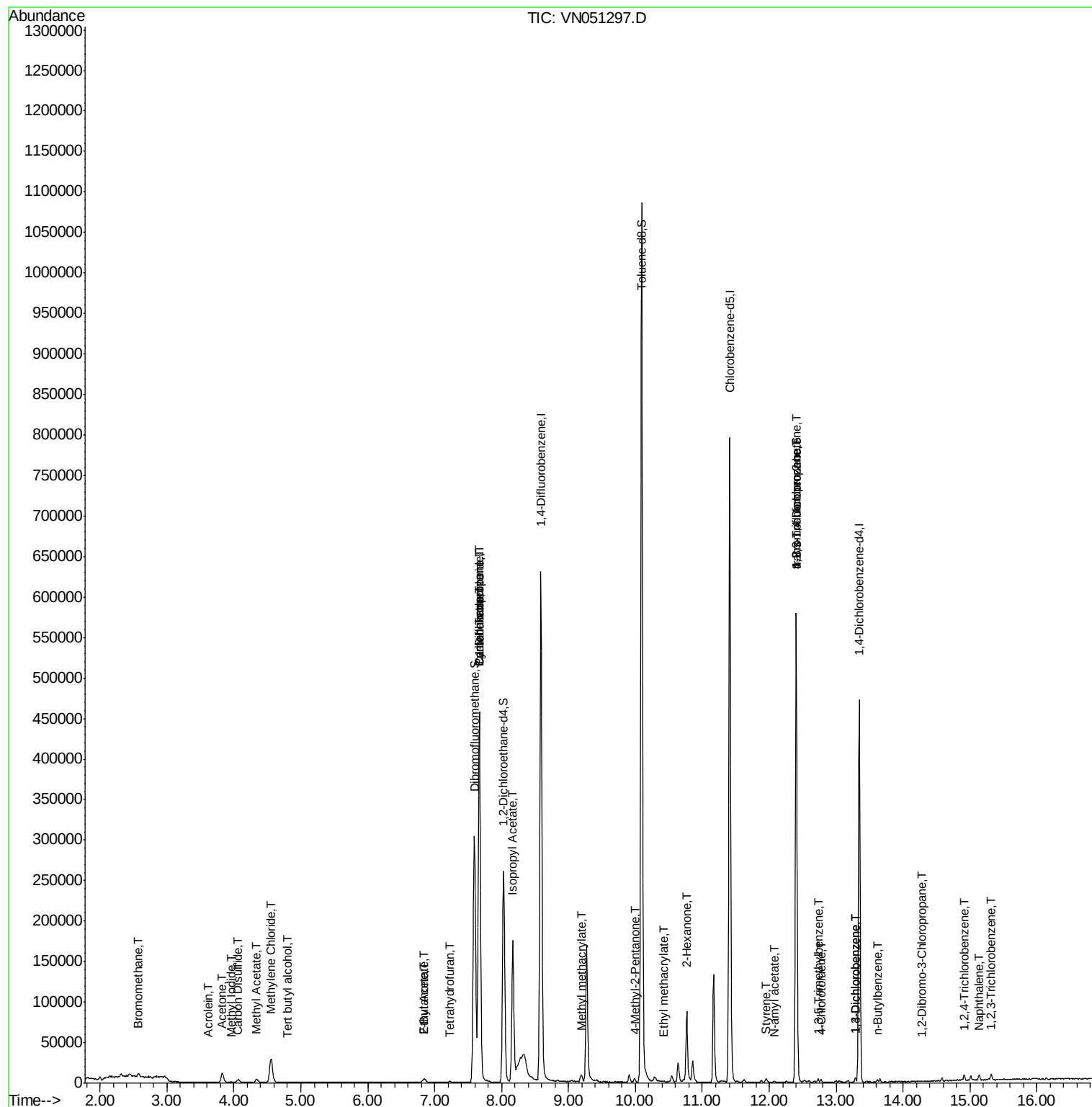
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	1280	Below Cal	89
95) Naphthalene	15.13	128	6319	7.174 ug/l #	96
96) 1,2,3-Trichlorobenzene	15.32	180	2996	5.079 ug/l	91

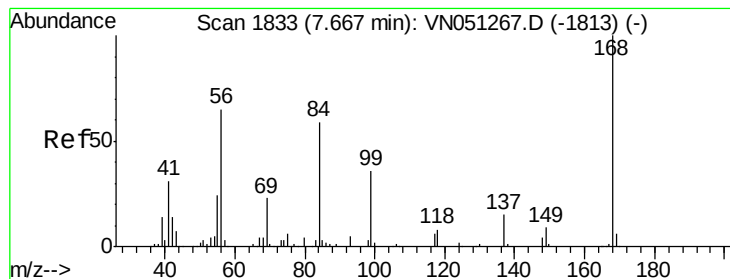
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051297.D

Acq: 18 Sep 2018 15:01

Instrument :

MSVOA_N

ClientSampled :

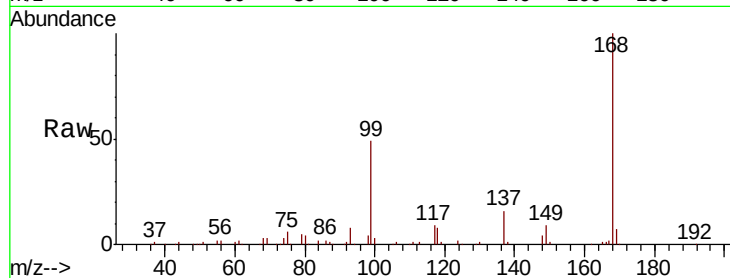
BFB

Tgt Ion:168 Resp: 401288

Ion Ratio Lower Upper

168 100

99 48.9 38.2 57.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

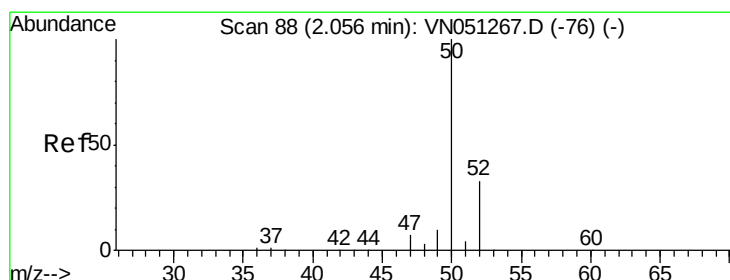
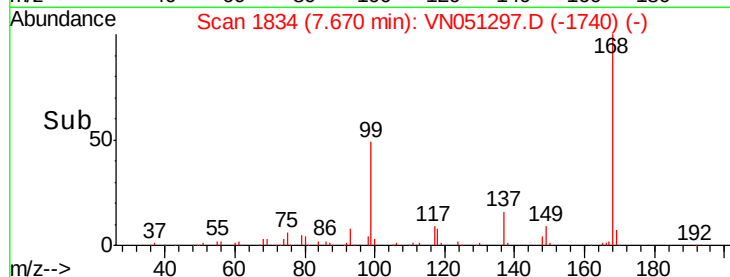
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051297.D

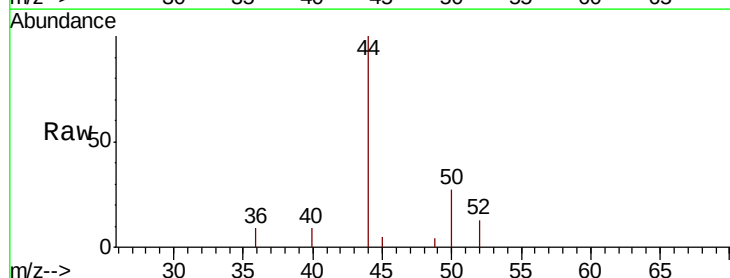
Acq: 18 Sep 2018 15:01

Tgt Ion: 50 Resp: 1481

Ion Ratio Lower Upper

50 100

52 49.8 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

1200

1000

800

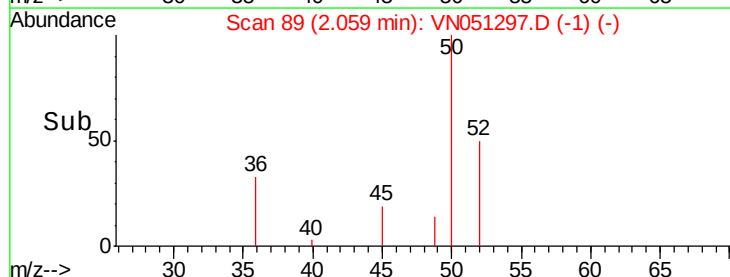
600

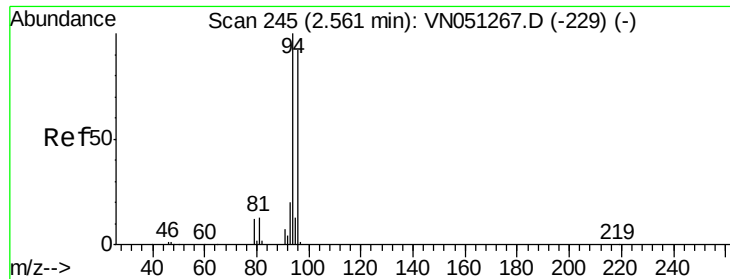
400

200

0

Time-->





#5

Bromomethane

Concen: 1.265 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051297.D

Acq: 18 Sep 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

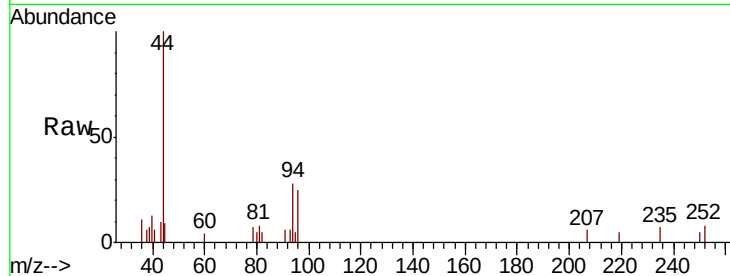
BFB

Tgt Ion: 94 Resp: 2314

Ion Ratio Lower Upper

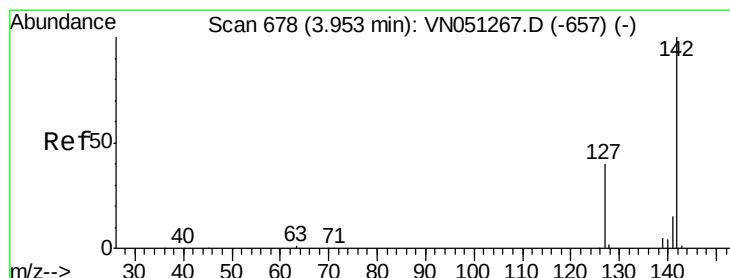
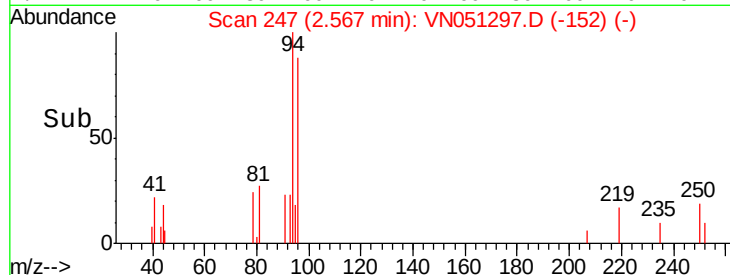
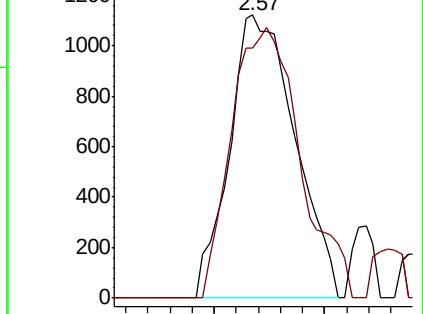
94 100

96 88.4 73.8 110.8



Abundance Ion 93.90 (93.60 to 94.60): VN051297.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN051297.D (-229) (-)



#10

Methyl Iodide

Concen: 6.350 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.01 min

Lab File: VN051297.D

Acq: 18 Sep 2018 15:01

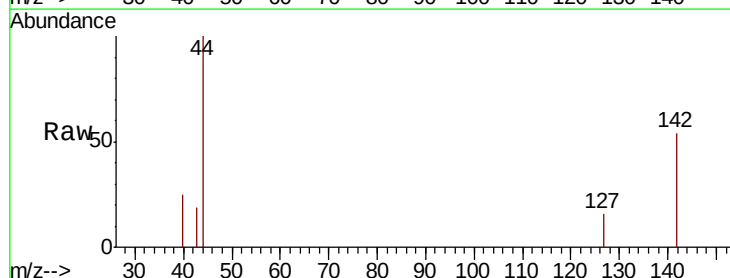
Tgt Ion: 142 Resp: 1235

Ion Ratio Lower Upper

142 100

127 4.8 31.7 47.5#

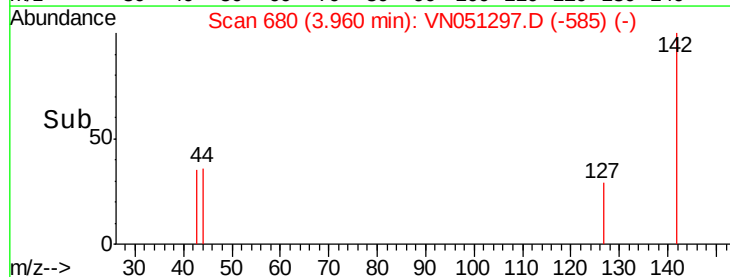
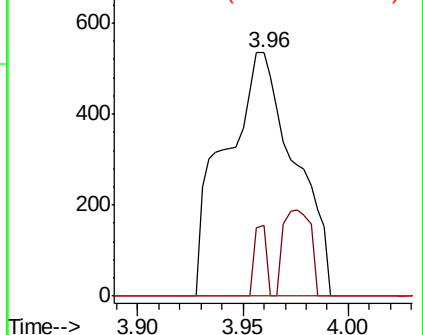
141 0.0 11.6 17.4#

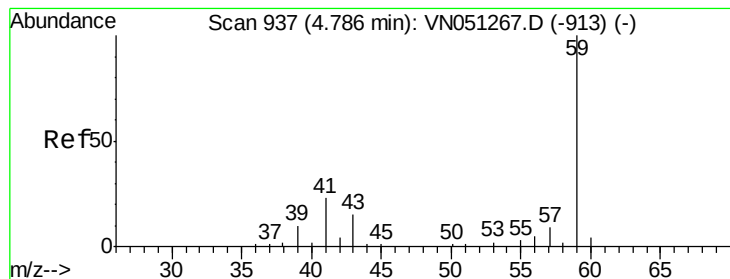


Abundance Ion 141.80 (141.50 to 142.50): VN051297.D (-657) (-)

Ion 126.80 (126.50 to 127.50): VN051297.D (-657) (-)

Ion 140.80 (140.50 to 141.50): VN051297.D (-657) (-)





#11

Tert butyl alcohol

Concen: 0.616 ug/l

RT: 4.80 min Scan# 941

Delta R.T. 0.01 min

Lab File: VN051297.D

Acq: 18 Sep 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

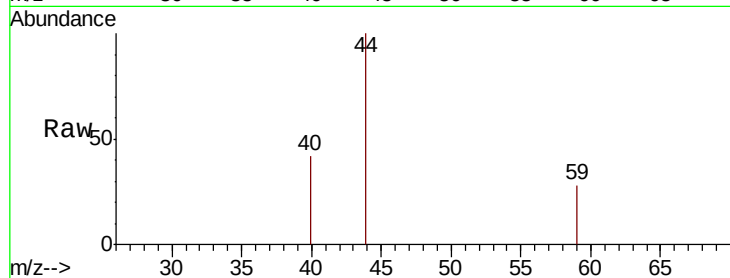
BFB

Tgt Ion: 59 Resp: 148

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VN051267.D (-913) (-)

Ion 57.00 (56.70 to 57.70): VN051267.D (-913) (-)

4.80

200

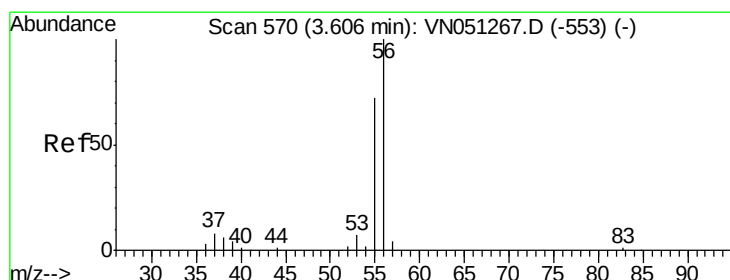
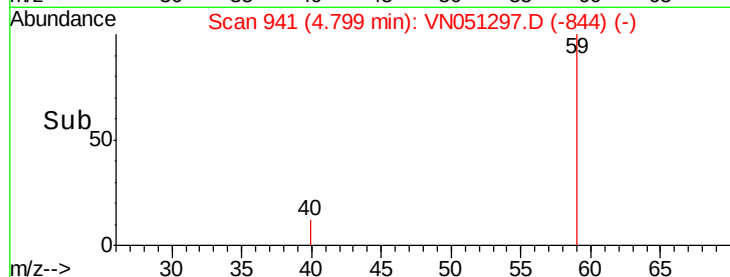
150

100

50

0

Time-->



#13

Acrolein

Concen: 10.723 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN051297.D

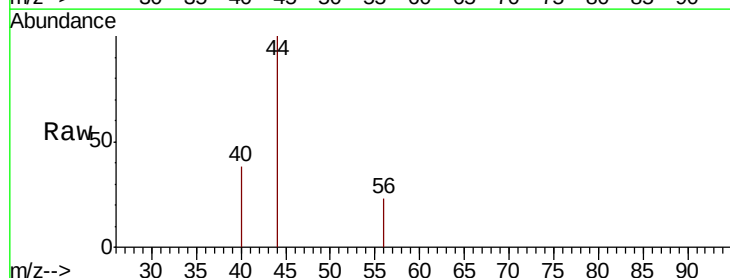
Acq: 18 Sep 2018 15:01

Tgt Ion: 56 Resp: 146

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VN051267.D (-553) (-)

Ion 55.00 (54.70 to 55.70): VN051267.D (-553) (-)

3.62

200

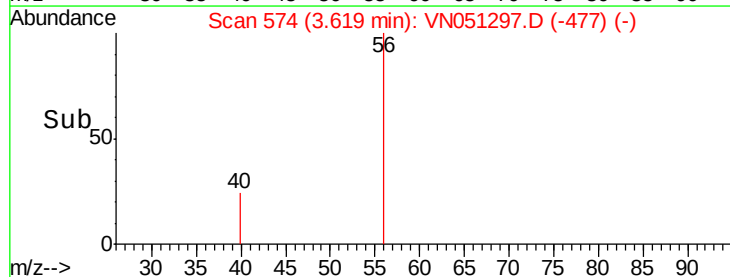
150

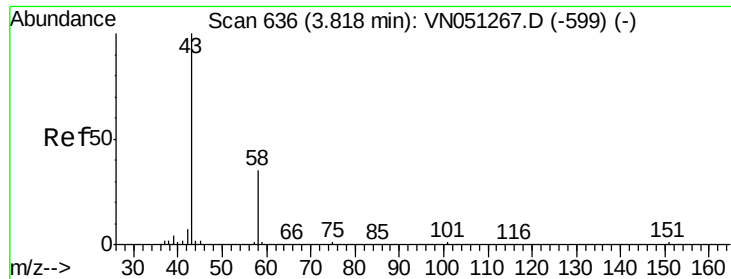
100

50

0

Time-->





#16

Acetone

Concen: 10.309 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051297.D

Acq: 18 Sep 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

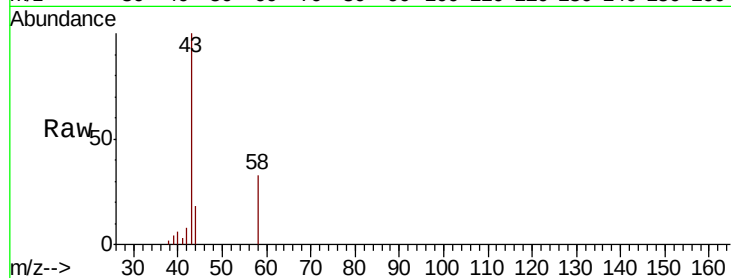
BFB

Tgt Ion: 43 Resp: 19134

Ion Ratio Lower Upper

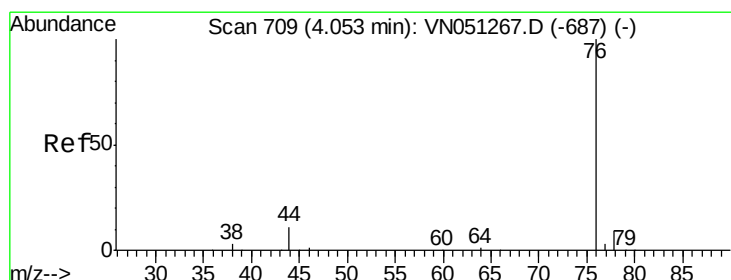
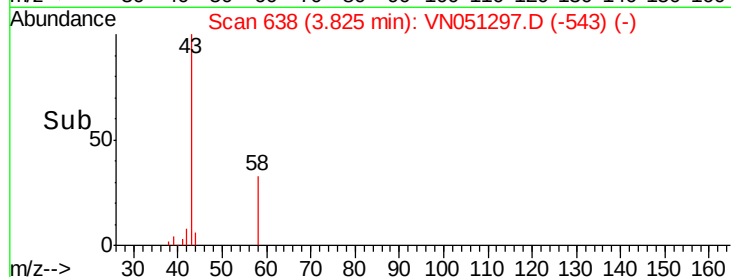
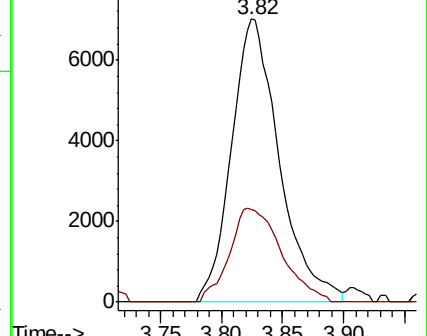
43 100

58 32.9 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VN051267.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN051267.D (-599) (-)



#17

Carbon Disulfide

Concen: 0.327 ug/l

RT: 4.06 min Scan# 712

Delta R.T. 0.01 min

Lab File: VN051297.D

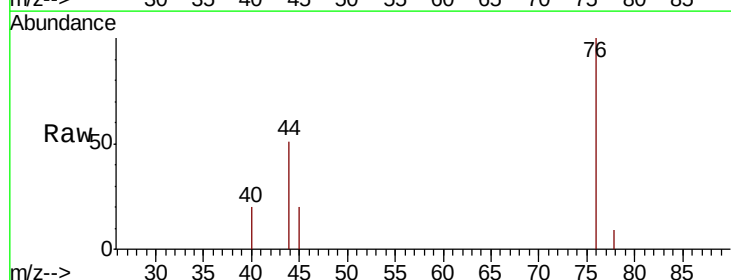
Acq: 18 Sep 2018 15:01

Tgt Ion: 76 Resp: 5395

Ion Ratio Lower Upper

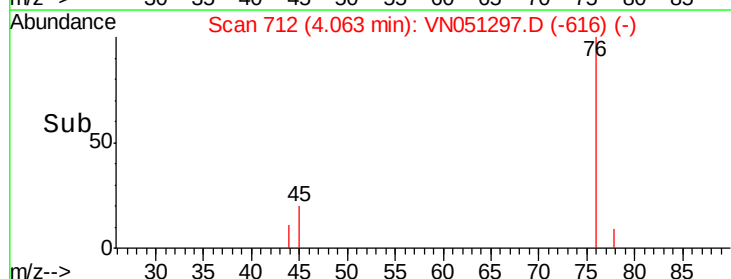
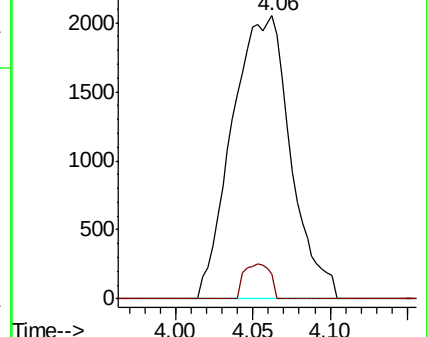
76 100

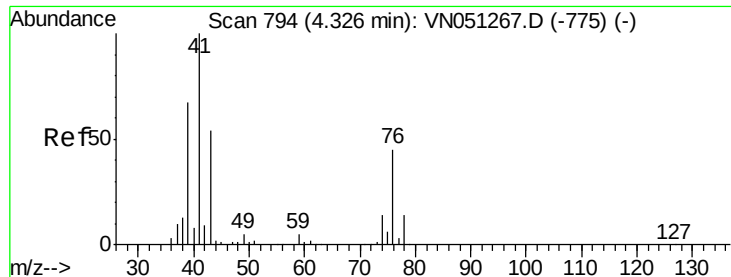
78 8.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN051267.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN051267.D (-687) (-)

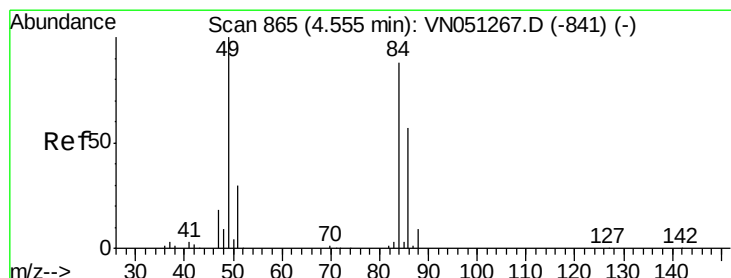
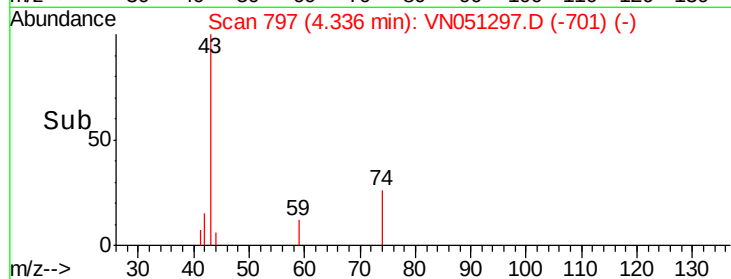
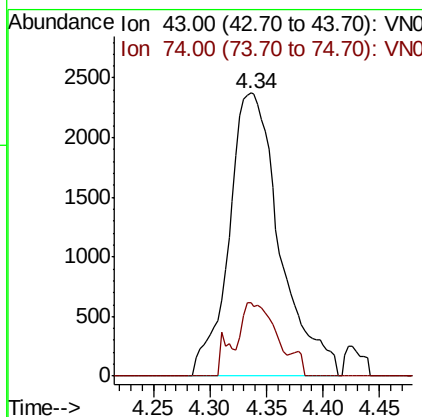
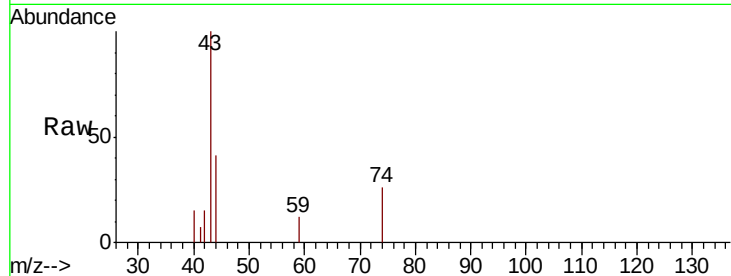




#18
Methyl Acetate
Concen: 1.784 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051297.D
Acq: 18 Sep 2018 15:01

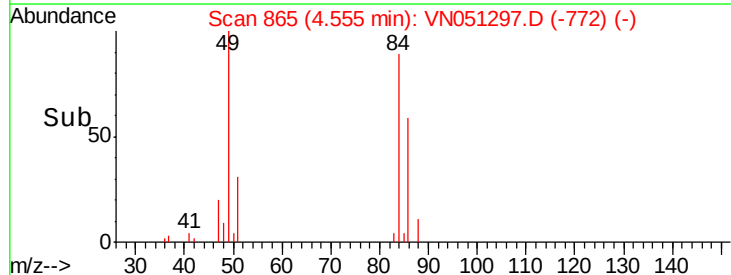
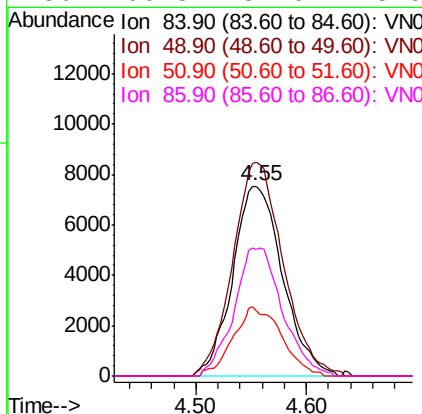
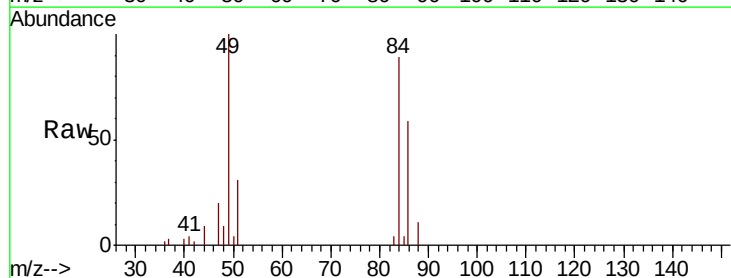
Instrument :
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ClientSampled :
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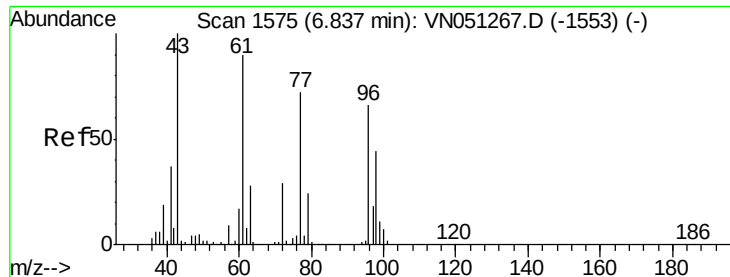
Tgt Ion: 43 Resp: 7418
Ion Ratio Lower Upper
43 100
74 12.3 20.8 31.2#



#20
Methylene Chloride
Concen: 4.963 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051297.D
Acq: 18 Sep 2018 15:01

Tgt Ion: 84 Resp: 23690
Ion Ratio Lower Upper
84 100
49 112.6 91.2 136.8
51 34.3 27.7 41.5
86 66.8 52.0 78.0

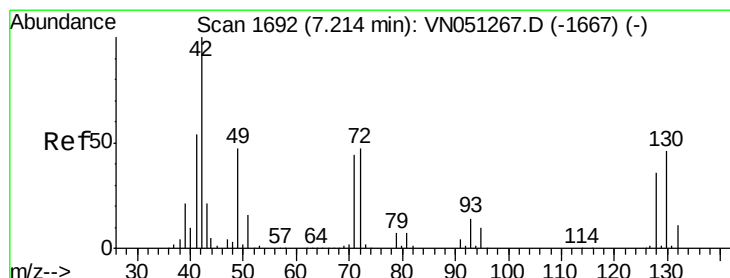
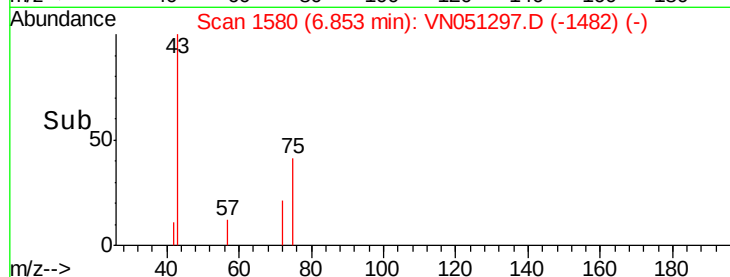
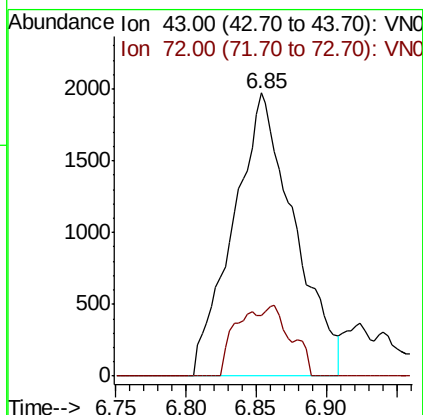
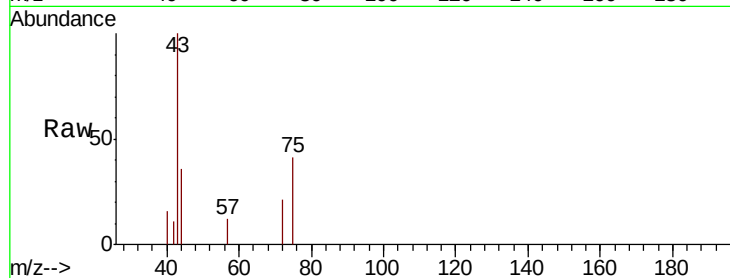




#25
2-Butanone
Concen: 4.251 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.02 min
Lab File: VN051297.D
Acq: 18 Sep 2018 15:01

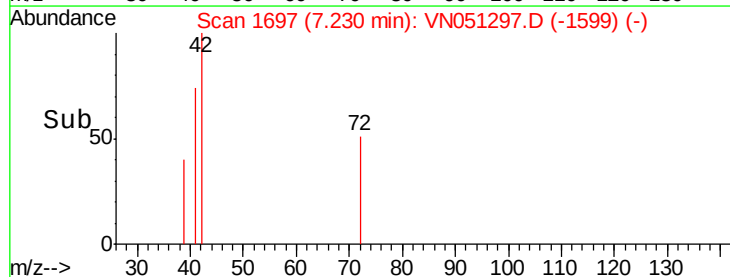
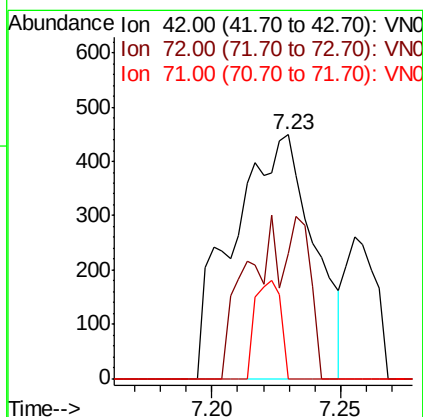
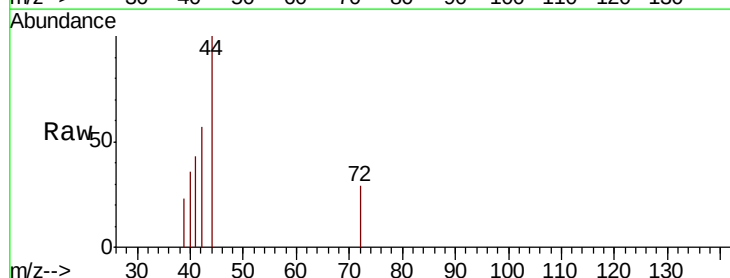
Instrument :
MSVOA_N
ClientSampled :
BFB

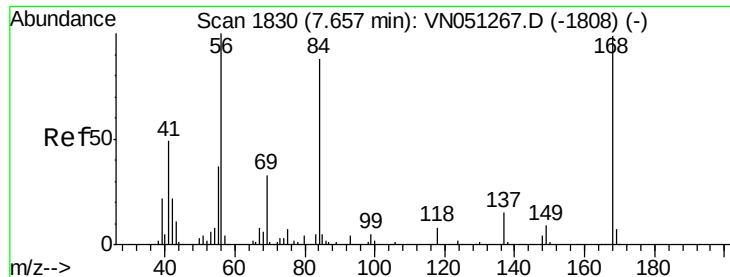
Tgt Ion: 43 Resp: 5939
Ion Ratio Lower Upper
43 100
72 21.3 23.4 35.0#



#29
Tetrahydrofuran
Concen: 1.129 ug/l
RT: 7.23 min Scan# 1697
Delta R.T. 0.02 min
Lab File: VN051297.D
Acq: 18 Sep 2018 15:01

Tgt Ion: 42 Resp: 975
Ion Ratio Lower Upper
42 100
72 19.4 37.6 56.4#
71 0.0 35.4 53.2#





#31

Cyclohexane

Concen: 0.877 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051297.D

Acq: 18 Sep 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

BFB

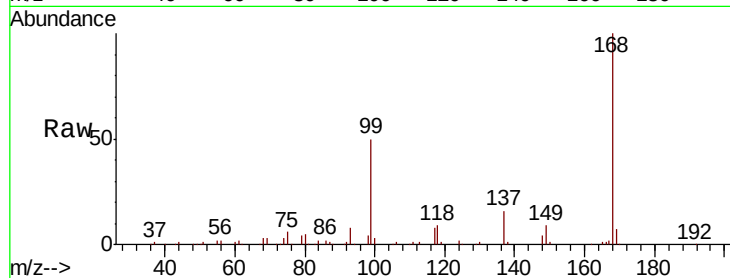
Tgt Ion: 56 Resp: 6639

Ion Ratio Lower Upper

56 100

69 205.2 26.2 39.2#

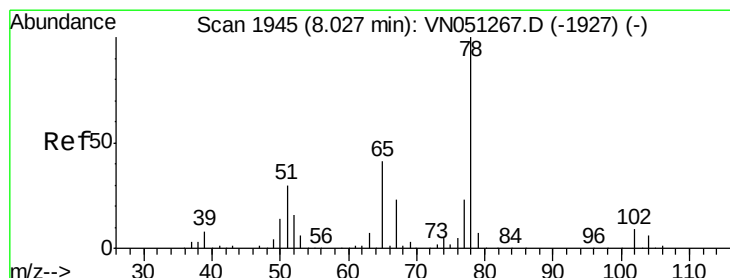
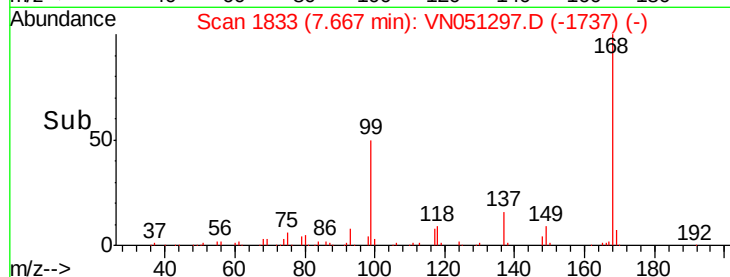
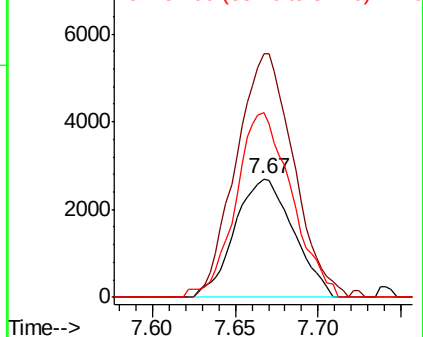
84 155.2 70.6 106.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 51.204 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051297.D

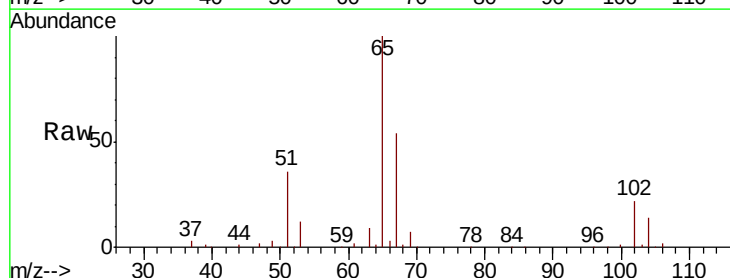
Acq: 18 Sep 2018 15:01

Tgt Ion: 65 Resp: 223311

Ion Ratio Lower Upper

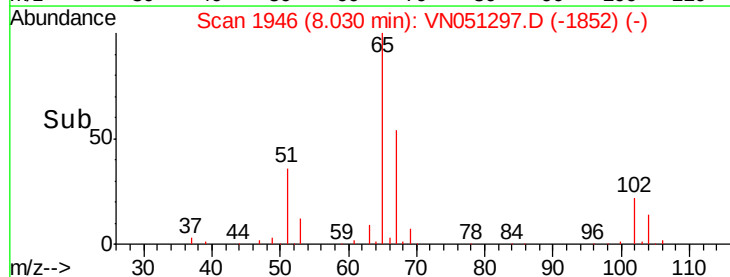
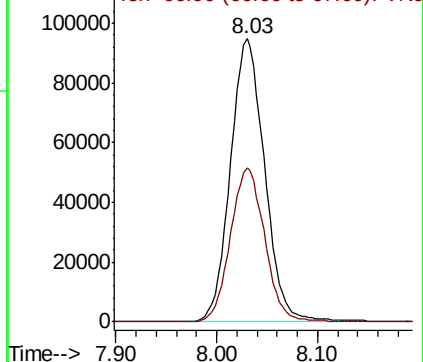
65 100

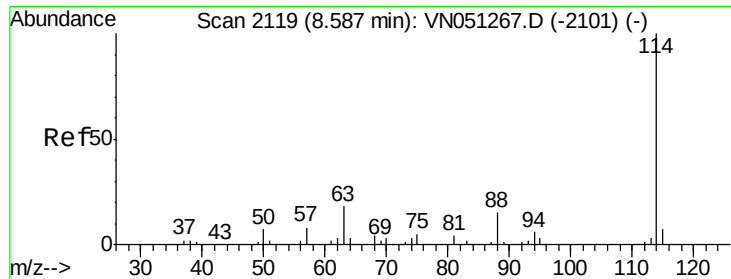
67 54.5 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

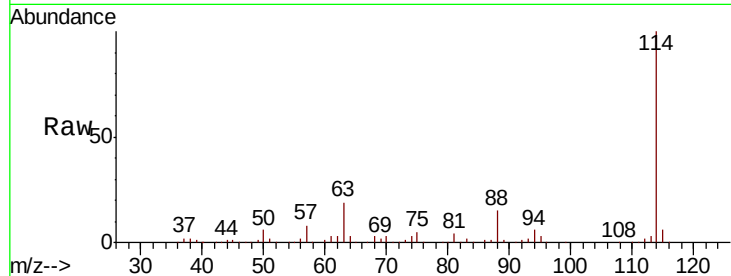




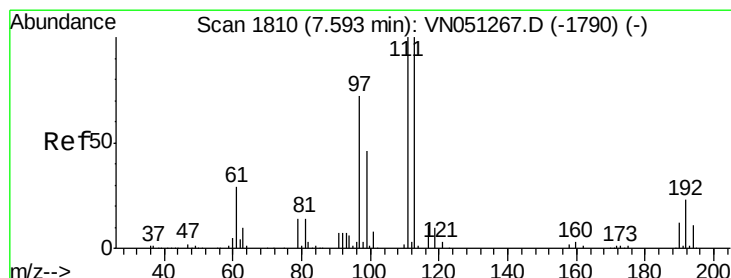
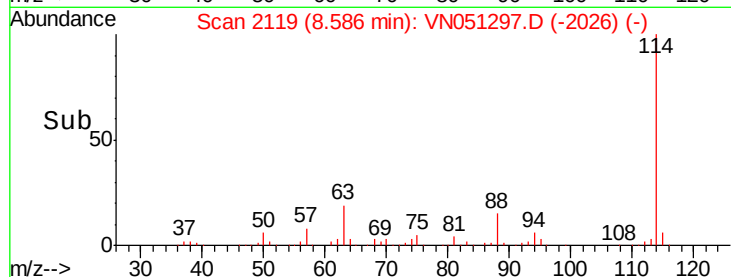
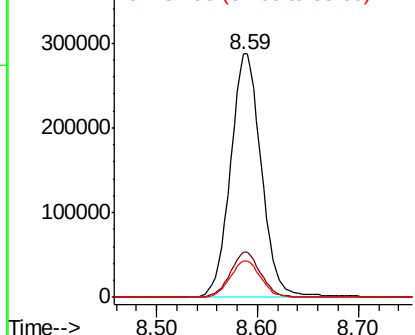
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051297.D
 Acq: 18 Sep 2018 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Tgt Ion:114 Resp: 609280
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.8
 88 15.1 0.0 30.8

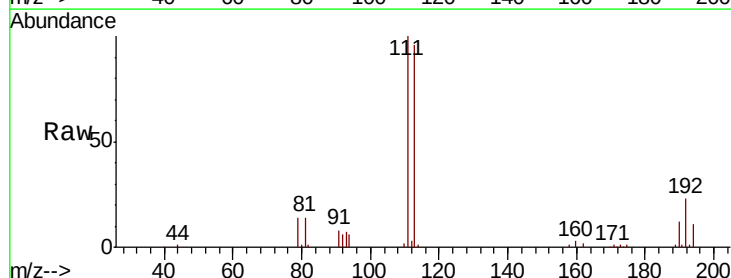


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

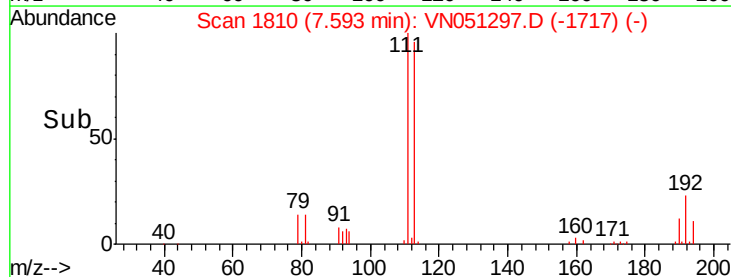
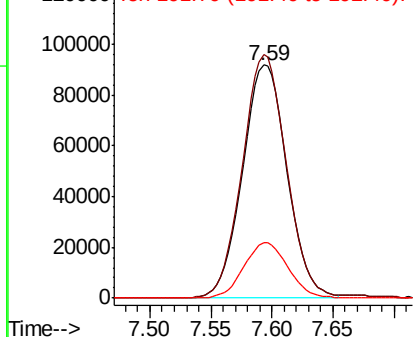


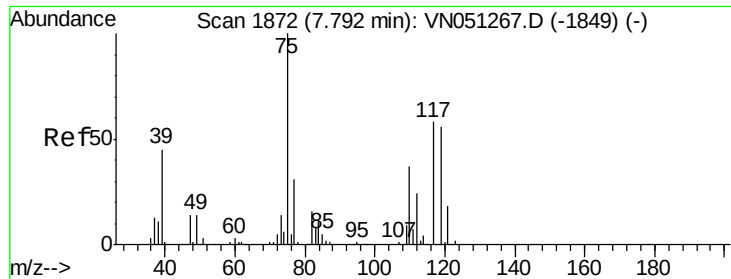
#35
 Dibromofluoromethane
 Concen: 49.108 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051297.D
 Acq: 18 Sep 2018 15:01

Tgt Ion:113 Resp: 232508
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.2 123.4
 192 23.7 19.0 28.6



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

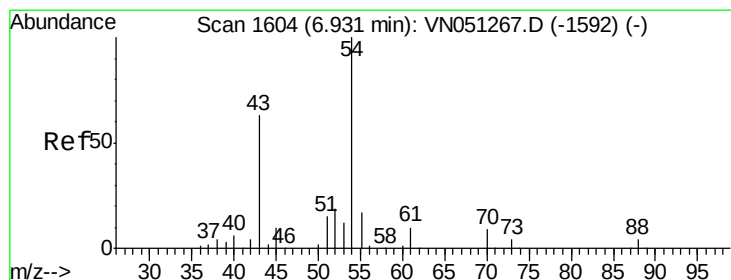
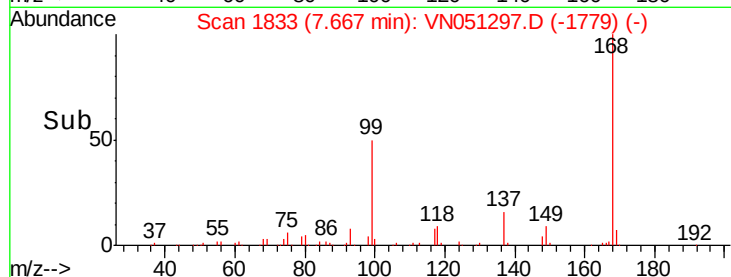
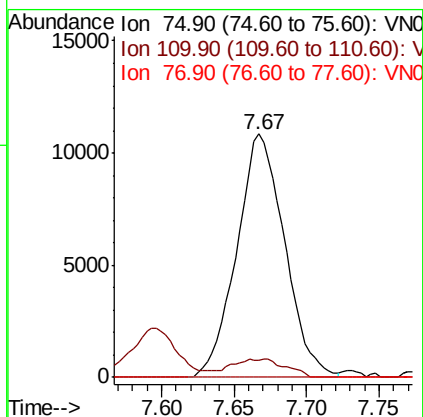
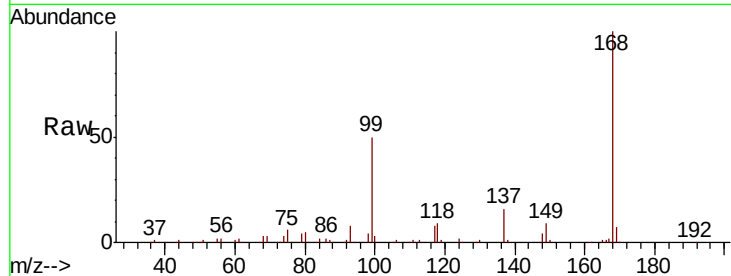




#36
 1,1-Dichloropropene
 Concen: 3.777 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051297.D
 Acq: 18 Sep 2018 15:01

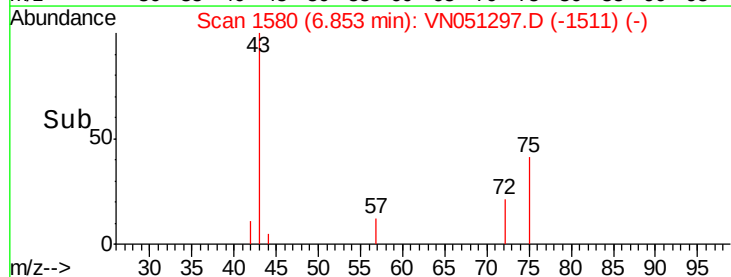
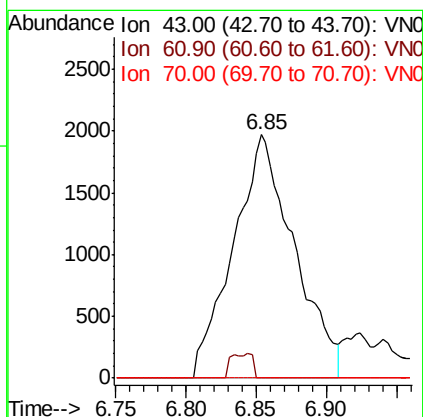
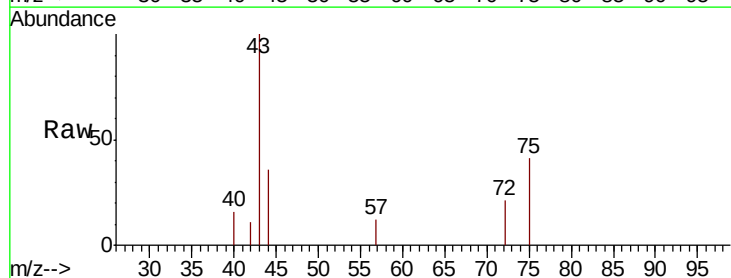
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

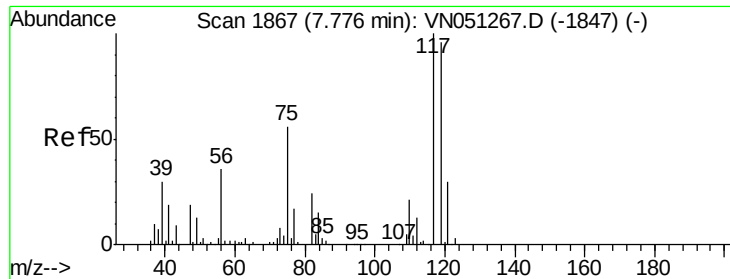
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.6	56.0#
77	0.0	24.7	37.1#



#37
 Ethyl Acetate
 Concen: 1.752 ug/l
 RT: 6.85 min Scan# 1580
 Delta R.T. -0.08 min
 Lab File: VN051297.D
 Acq: 18 Sep 2018 15:01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	3.6	12.3	18.5#
70	0.0	9.4	14.0#

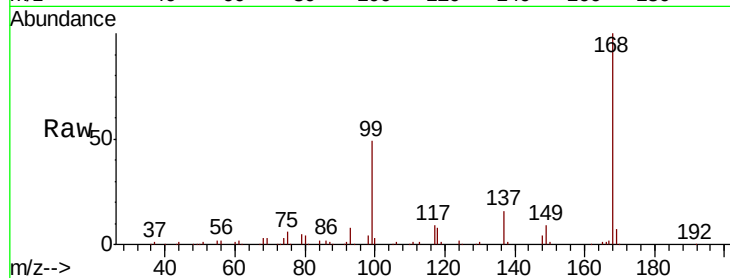




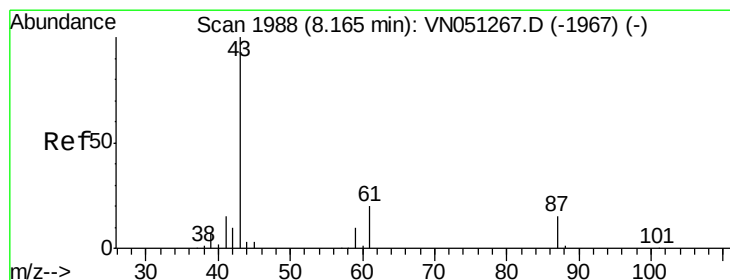
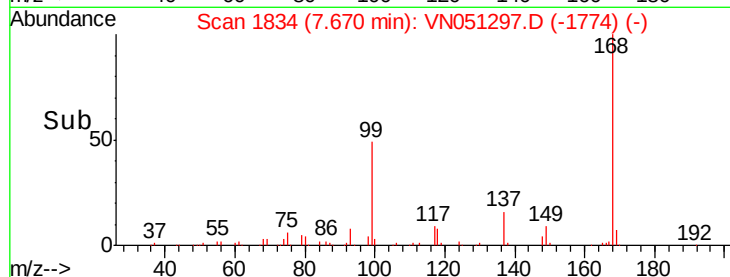
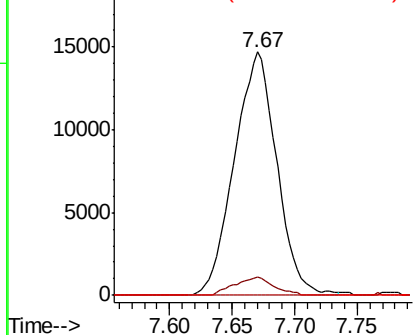
#38
Carbon Tetrachloride
Concen: 5.027 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. -0.11 min
Lab File: VN051297.D
Acq: 18 Sep 2018 15:01

Instrument :
MSVOA_N
ClientSampleId :
BFB

Tgt Ion: 117 Resp: 34569
Ion Ratio Lower Upper
117 100
119 7.5 76.8 115.2#
121 0.0 24.2 36.2#

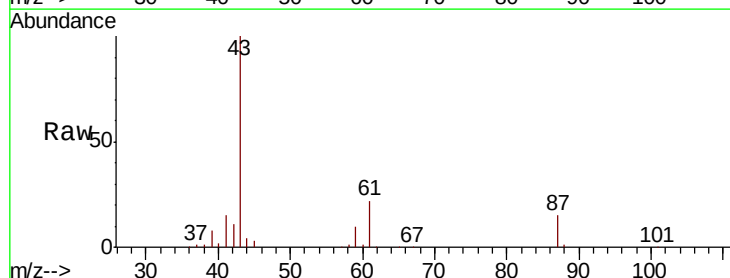


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

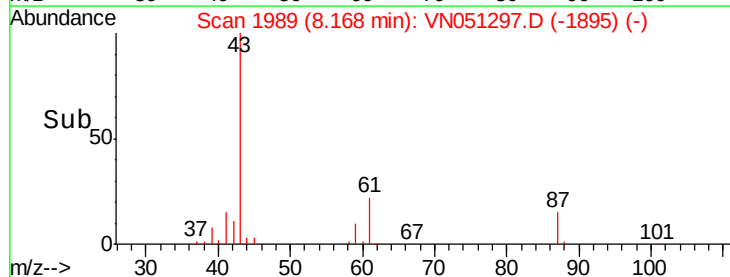
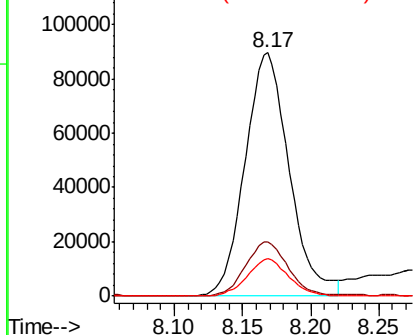


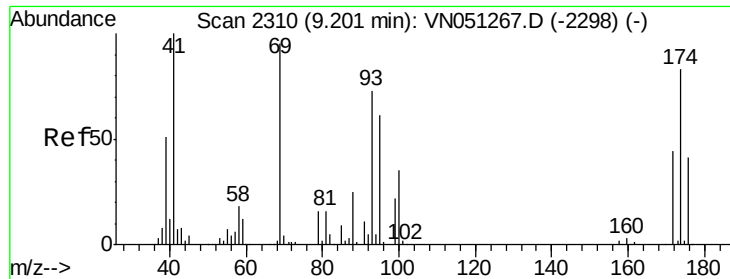
#43
Isopropyl Acetate
Concen: 34.432 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051297.D
Acq: 18 Sep 2018 15:01

Tgt Ion: 43 Resp: 202005
Ion Ratio Lower Upper
43 100
61 21.6 17.4 26.2
87 14.3 12.2 18.4



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO





#48

Methyl methacrylate

Concen: 1.909 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN051297.D

Acq: 18 Sep 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

BFB

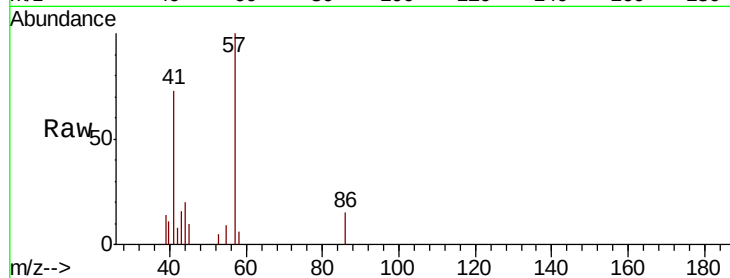
Tgt Ion: 41 Resp: 5394

Ion Ratio Lower Upper

41 100

69 0.0 78.9 118.3#

39 19.1 42.2 63.2#

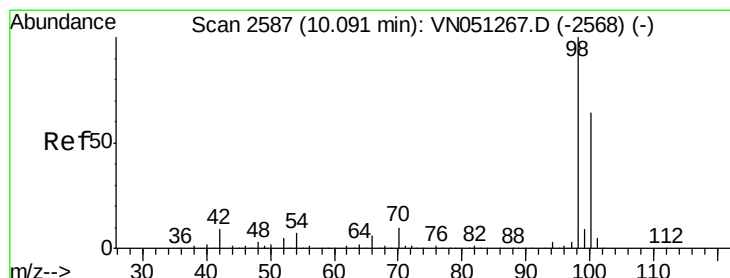
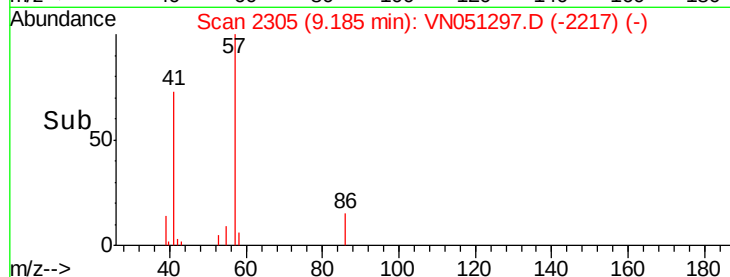
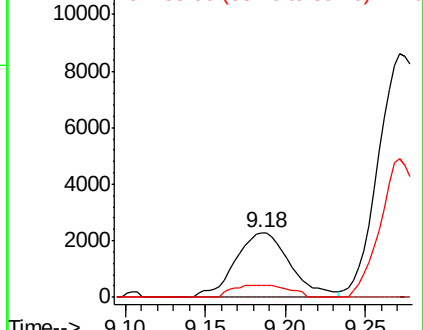


Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO



#50

Toluene-d8

Concen: 46.517 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051297.D

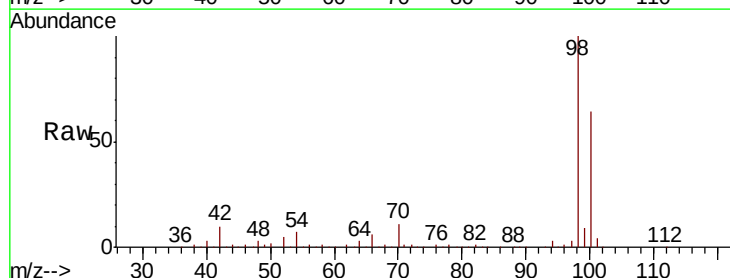
Acq: 18 Sep 2018 15:01

Tgt Ion: 98 Resp: 814076

Ion Ratio Lower Upper

98 100

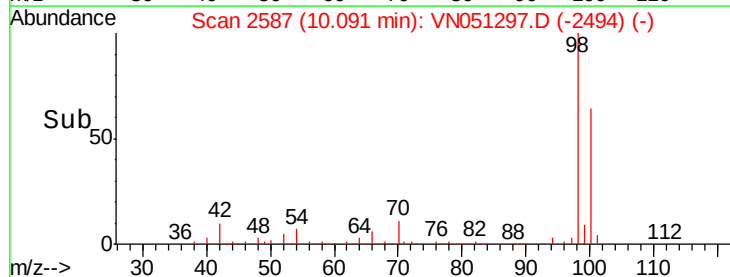
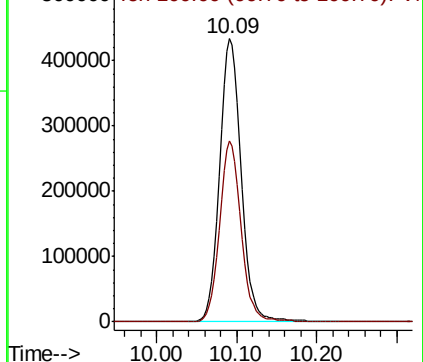
100 63.6 51.6 77.4

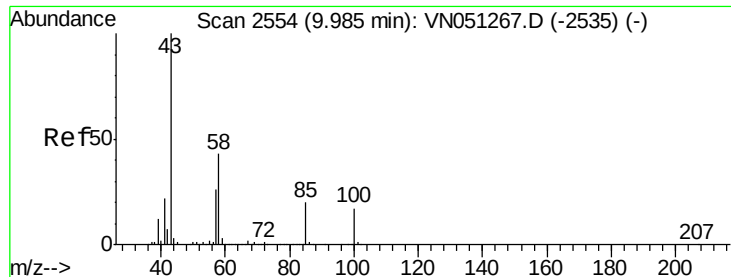


Abundance

Ion 98.00 (97.70 to 98.70): VNO

Ion 100.00 (99.70 to 100.70): VNO

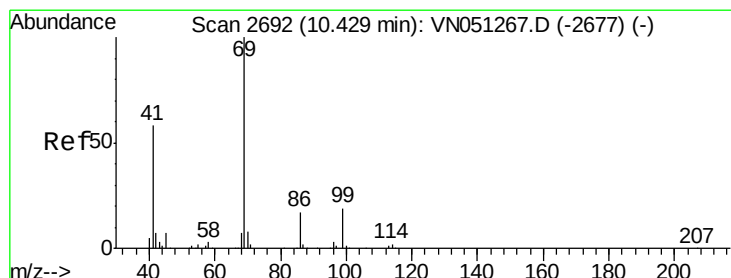
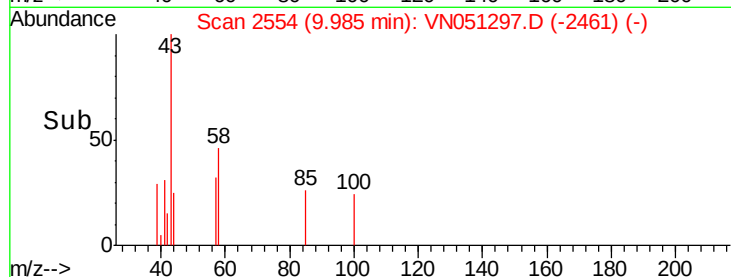
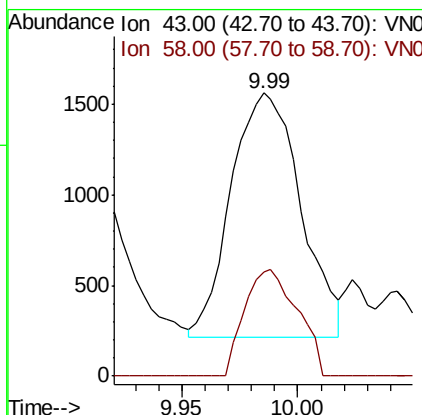
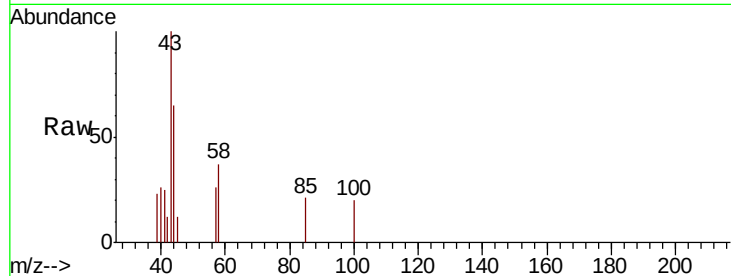




#51
 4-Methyl-2-Pentanone
 Concen: 0.927 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051297.D
 Acq: 18 Sep 2018 15:01

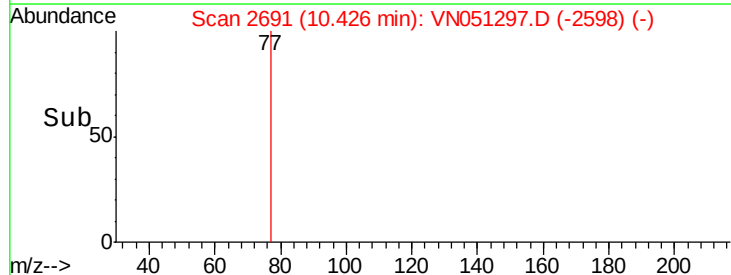
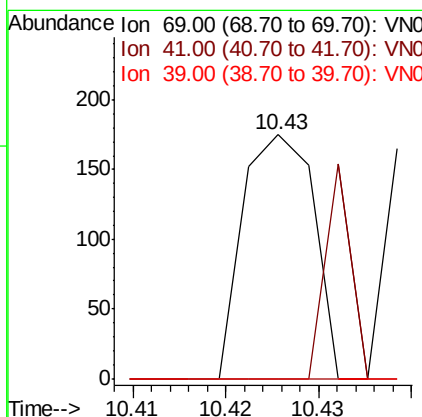
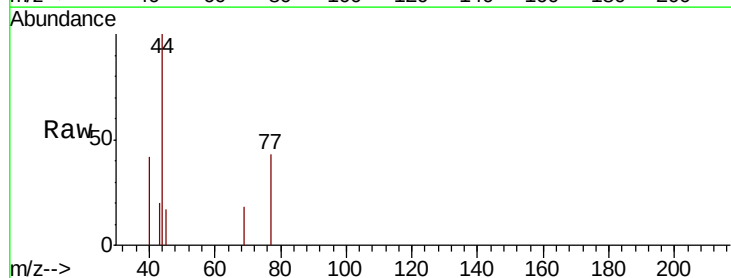
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

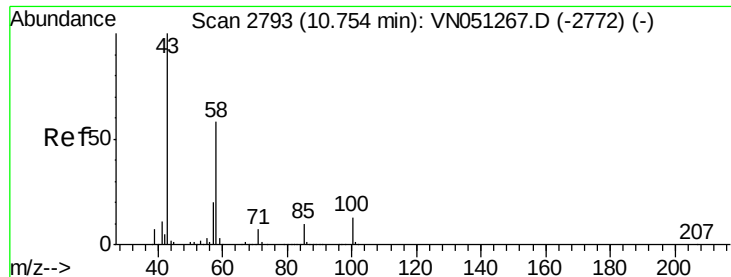
Tgt Ion: 43 Resp: 2805
 Ion Ratio Lower Upper
 43 100
 58 33.2 33.8 50.6#



#56
 Ethyl methacrylate
 Concen: 2.083 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN051297.D
 Acq: 18 Sep 2018 15:01

Tgt Ion: 69 Resp: 93
 Ion Ratio Lower Upper
 69 100
 41 0.0 47.4 71.0#
 39 0.0 23.7 35.5#

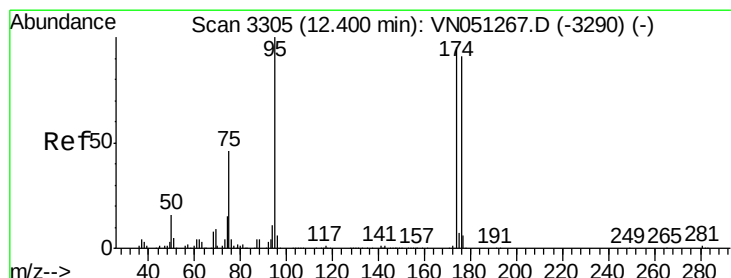
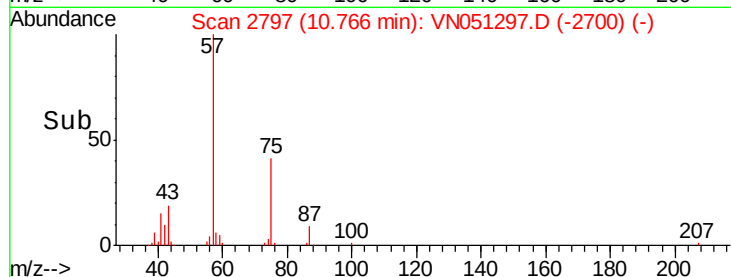
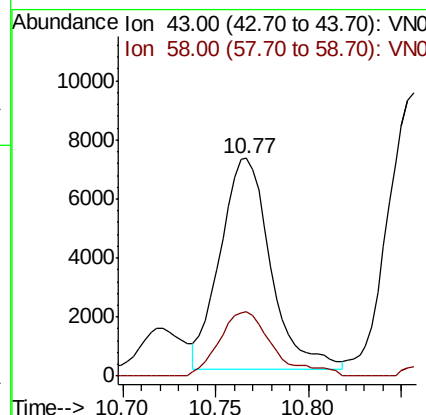
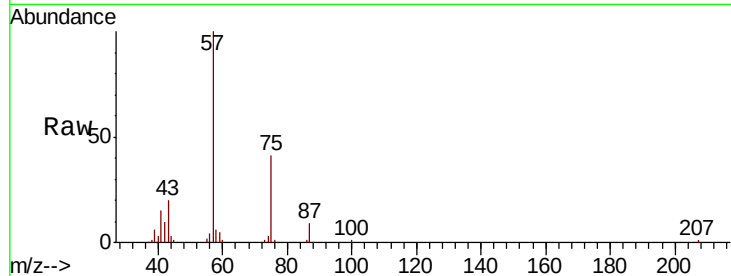




#59
2-Hexanone
Concen: 6.780 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN051297.D
Acq: 18 Sep 2018 15:01

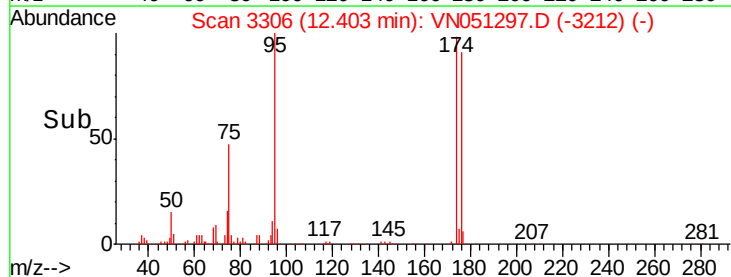
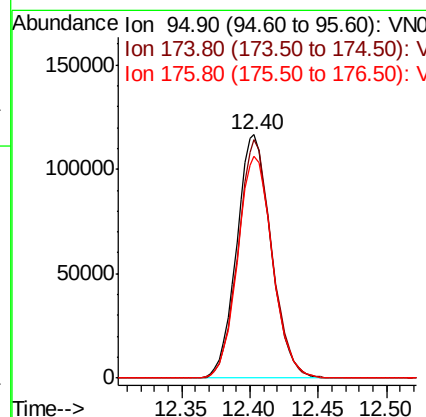
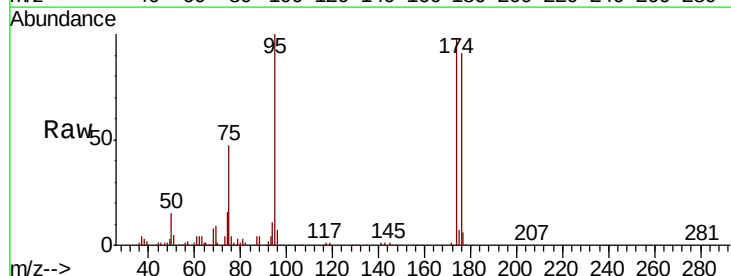
Instrument :
MSVOA_N
ClientSampled :
BFB

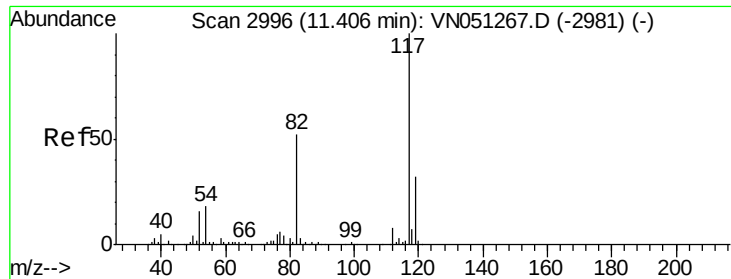
Tgt Ion: 43 Resp: 13514
Ion Ratio Lower Upper
43 100
58 32.5 28.9 86.8



#62
4-Bromofluorobenzene
Concen: 36.747 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051297.D
Acq: 18 Sep 2018 15:01

Tgt Ion: 95 Resp: 204549
Ion Ratio Lower Upper
95 100
174 95.9 0.0 189.6
176 92.1 0.0 182.6

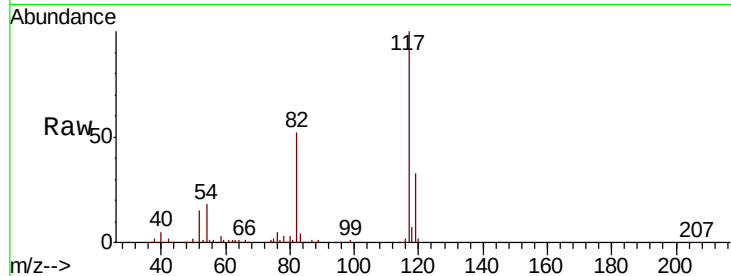




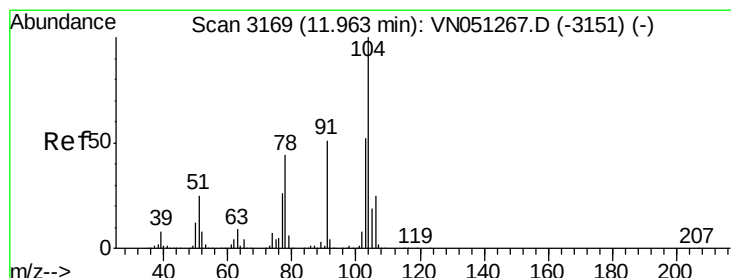
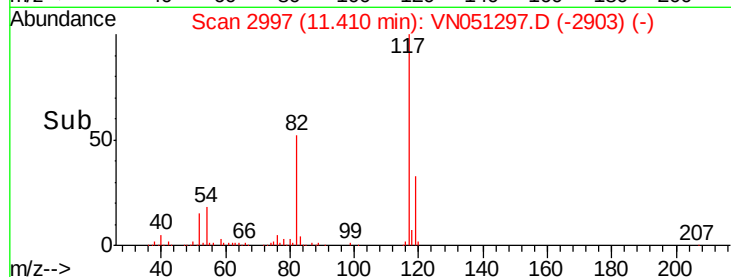
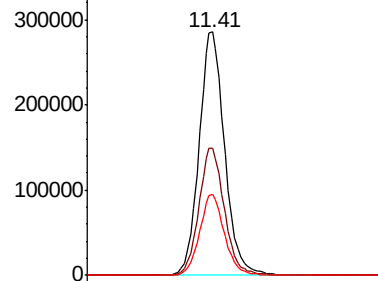
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051297.D
Acq: 18 Sep 2018 15:01

Instrument :
MSVOA_N
ClientSampleId :
BFB

Tgt Ion:117 Resp: 514885
Ion Ratio Lower Upper
117 100
82 52.3 41.8 62.8
119 33.3 25.6 38.4

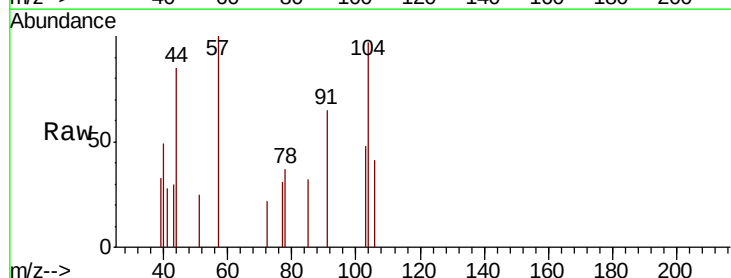


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

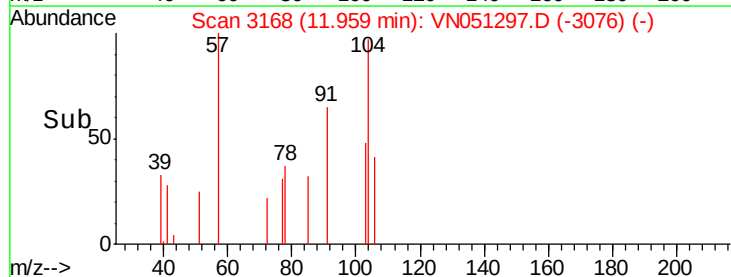
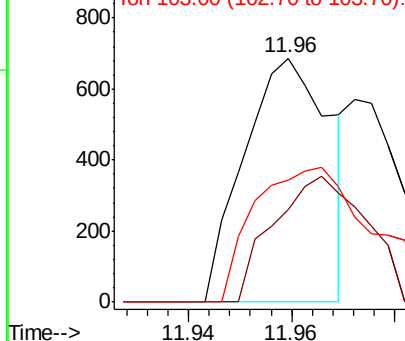


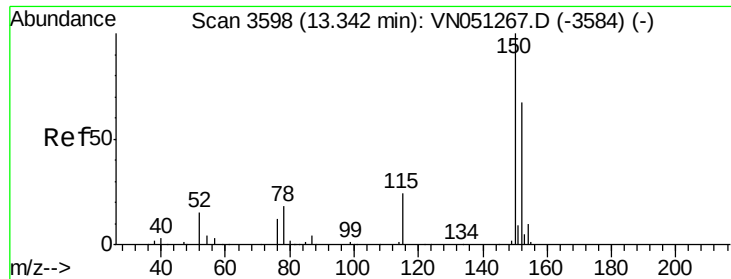
#70
Styrene
Concen: 1.302 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN051297.D
Acq: 18 Sep 2018 15:01

Tgt Ion:104 Resp: 790
Ion Ratio Lower Upper
104 100
78 55.6 38.1 57.1
103 73.4 44.8 67.2#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051297.D

Acq: 18 Sep 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

BFB

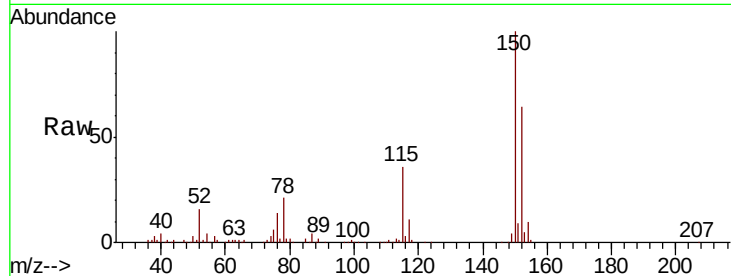
Tgt Ion:152 Resp: 142454

Ion Ratio Lower Upper

152 100

115 55.0 27.1 81.2

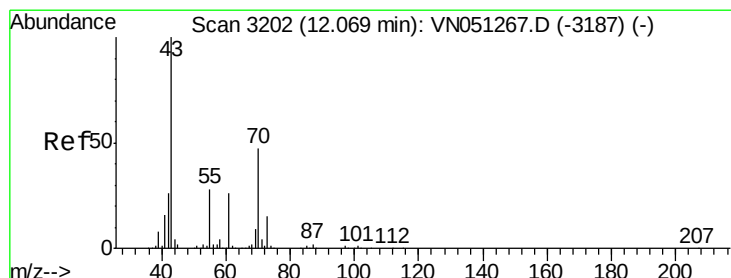
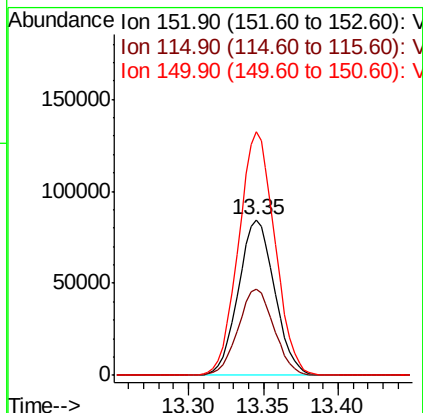
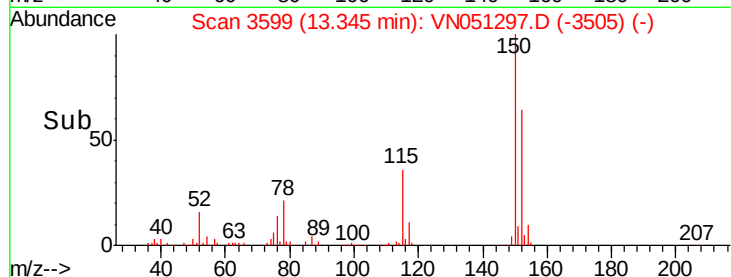
150 156.5 0.0 349.0



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-ethyl acetate

Concen: 0.599 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN051297.D

Acq: 18 Sep 2018 15:01

Tgt Ion: 43 Resp: 1476

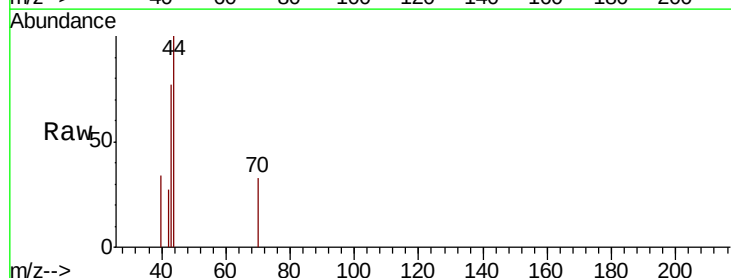
Ion Ratio Lower Upper

43 100

70 14.2 37.8 56.6#

55 0.0 22.6 34.0#

61 0.0 20.9 31.3#

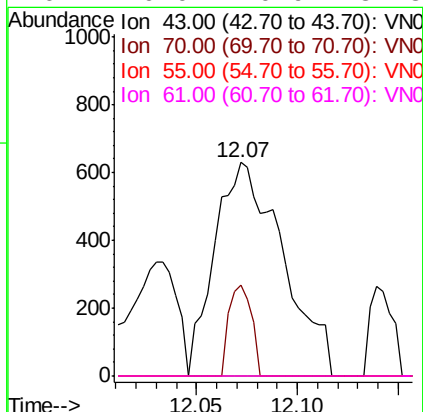
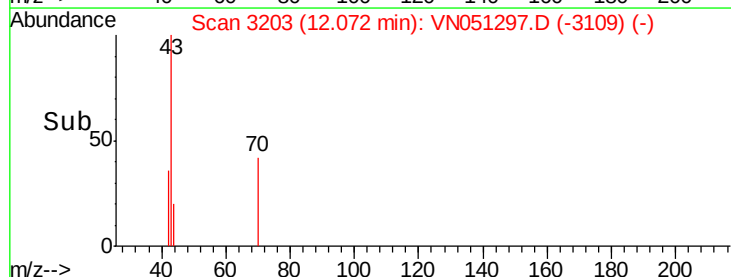


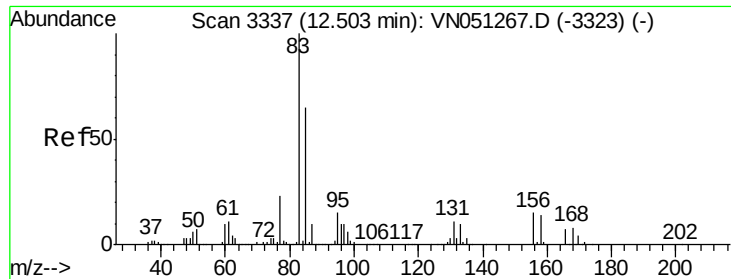
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051297.D

Acq: 18 Sep 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

BFB

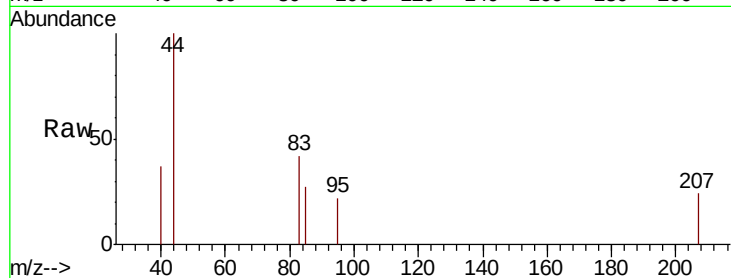
Tgt Ion: 83 Resp: 339

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

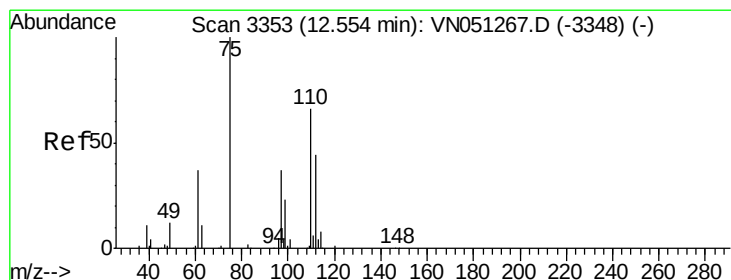
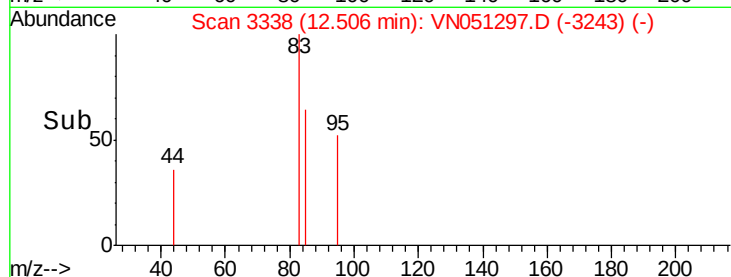
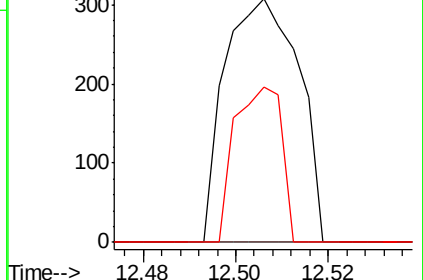
85 40.7 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 49.053 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051297.D

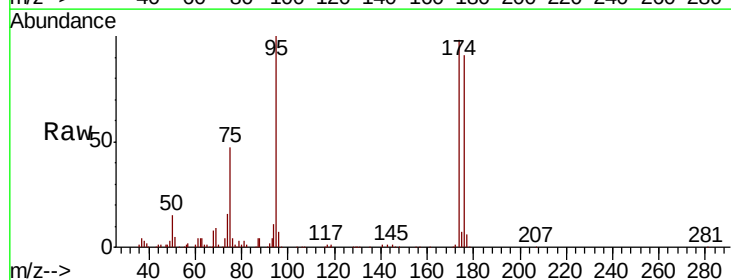
Acq: 18 Sep 2018 15:01

Tgt Ion: 75 Resp: 95623

Ion Ratio Lower Upper

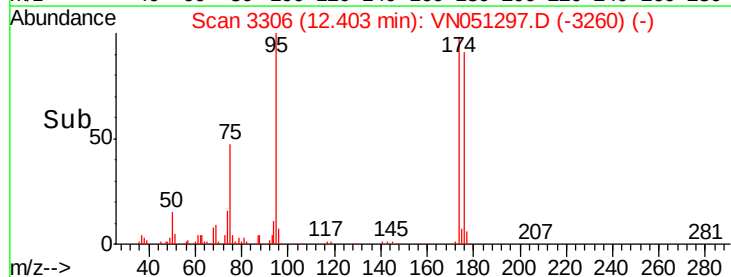
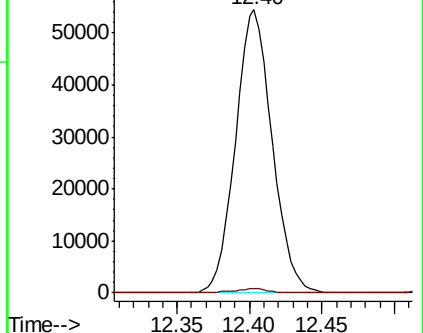
75 100

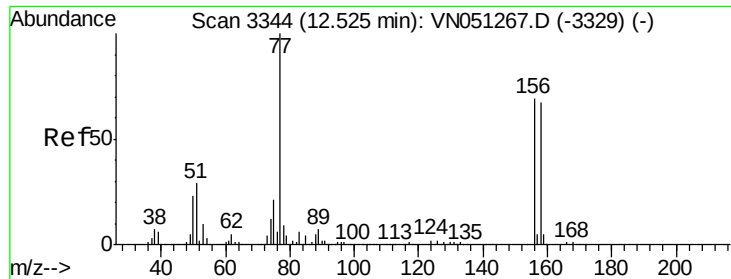
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN051297.D

Acq: 18 Sep 2018 15:01

Instrument :

MSVOA_N

ClientSampled :

BFB

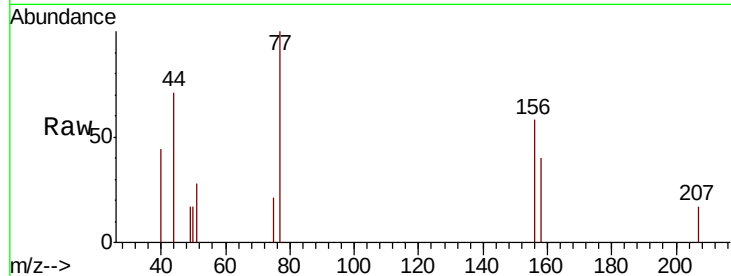
Tgt Ion:156 Resp: 843

Ion Ratio Lower Upper

156 100

77 157.9 83.7 251.1

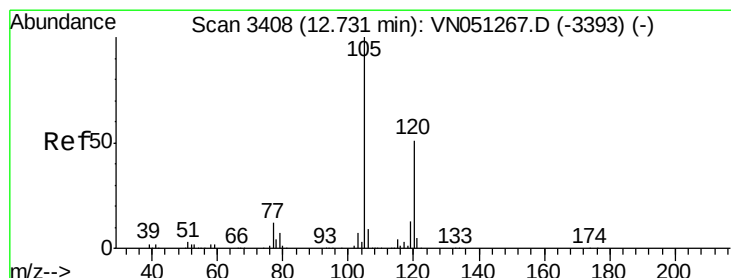
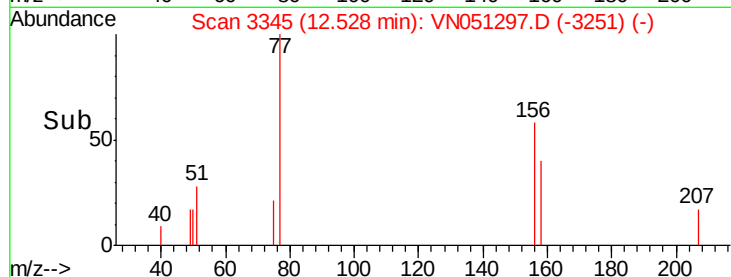
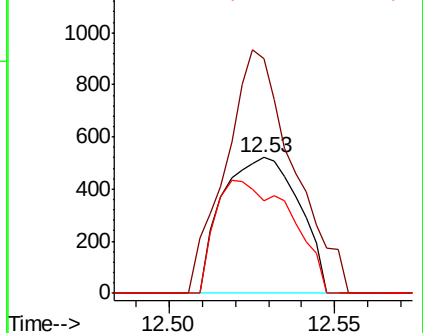
158 81.9 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#80

1,3,5-Trimethylbenzene

Concen: 0.218 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.01 min

Lab File: VN051297.D

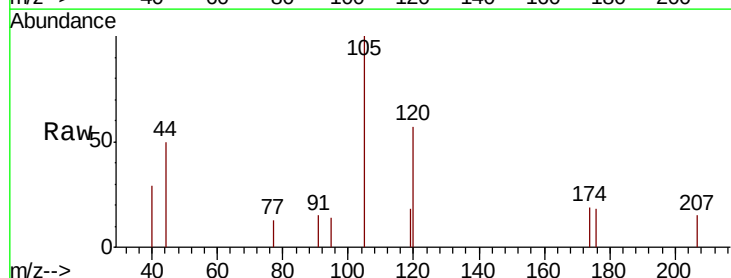
Acq: 18 Sep 2018 15:01

Tgt Ion:105 Resp: 2097

Ion Ratio Lower Upper

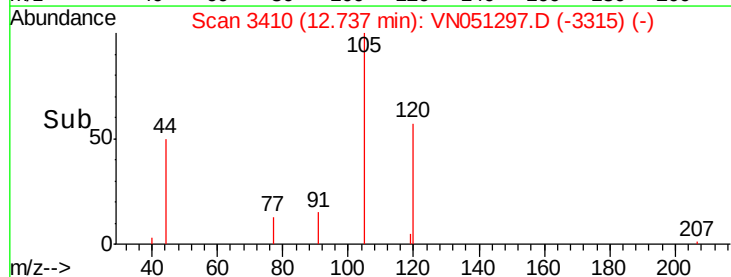
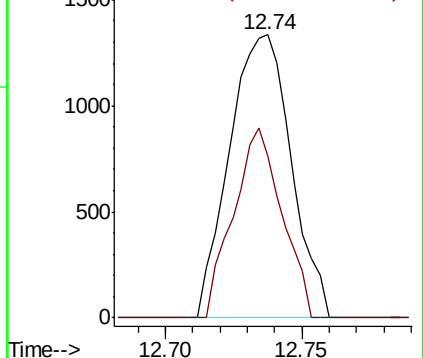
105 100

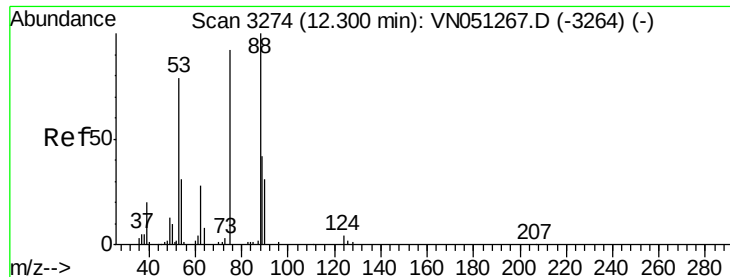
120 52.6 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 149.087 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051297.D

Acq: 18 Sep 2018 15:01

Instrument :

MSVOA_N

ClientSampled :

BFB

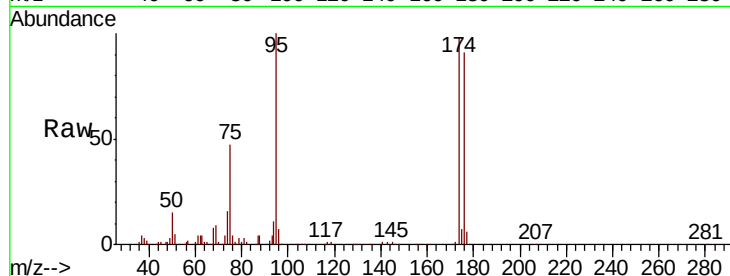
Tgt Ion: 75 Resp: 95623

Ion Ratio Lower Upper

75 100

53 0.1 67.7 101.5#

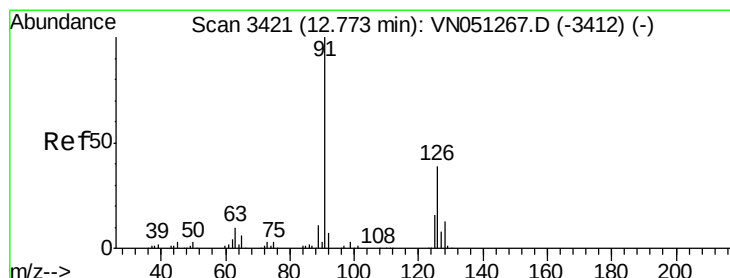
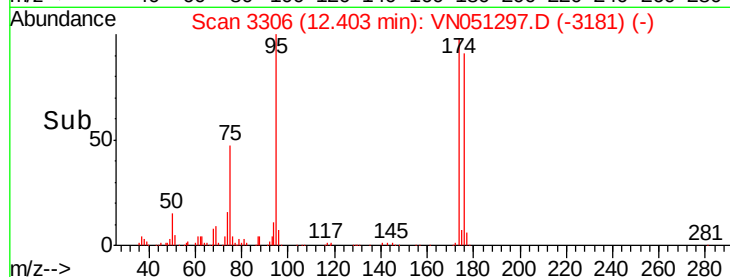
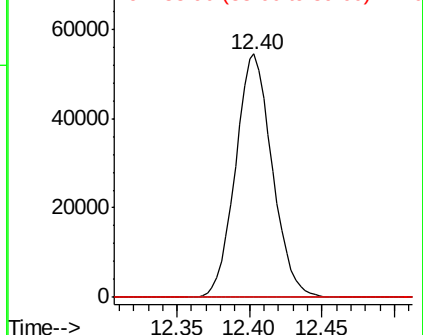
89 0.0 36.9 55.3#



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: 0.275 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051297.D

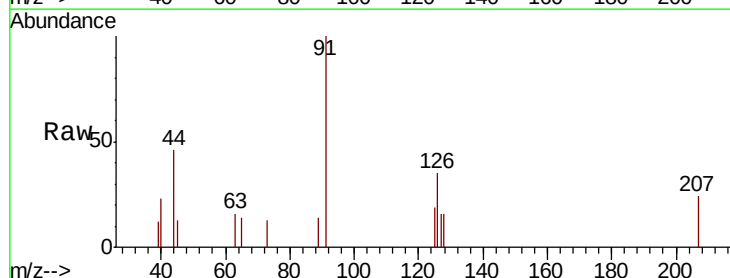
Acq: 18 Sep 2018 15:01

Tgt Ion: 91 Resp: 2157

Ion Ratio Lower Upper

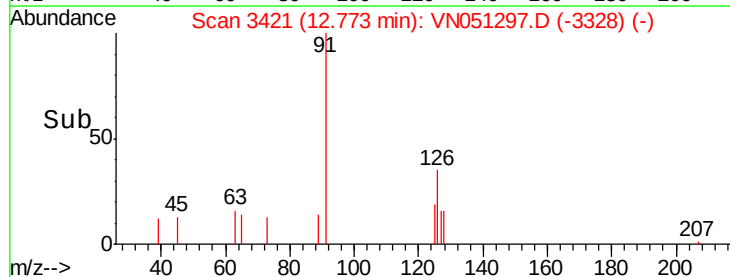
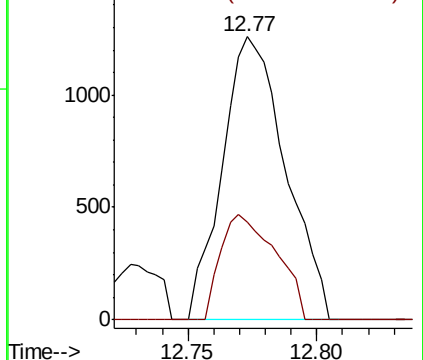
91 100

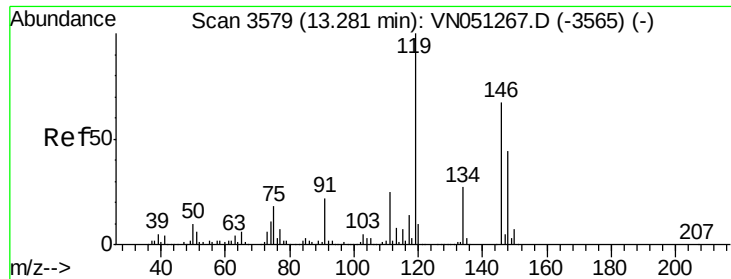
126 32.5 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

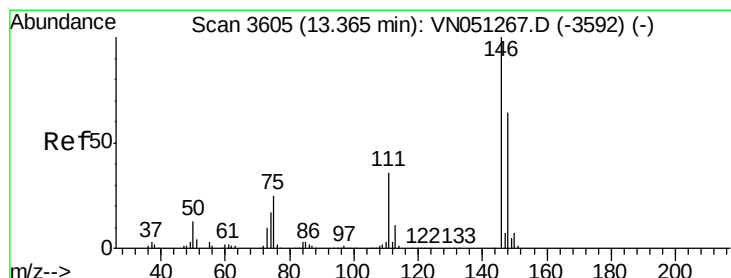
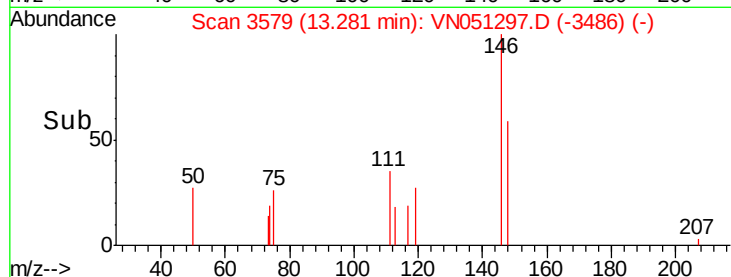
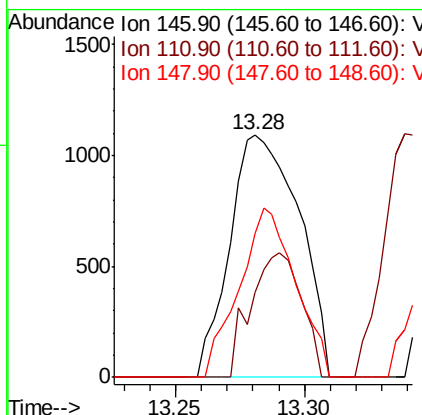
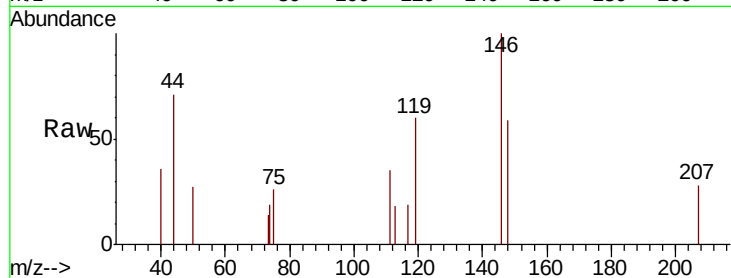




#87
 1,3-Dichlorobenzene
 Concen: 0.386 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051297.D
 Acq: 18 Sep 2018 15:01

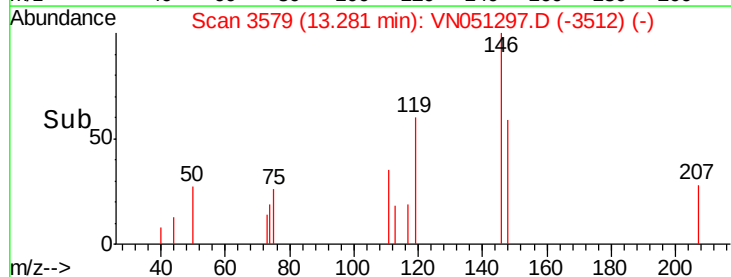
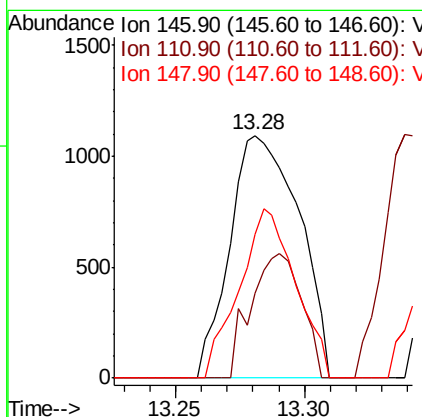
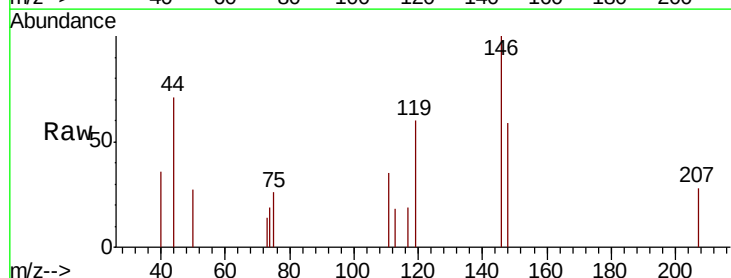
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

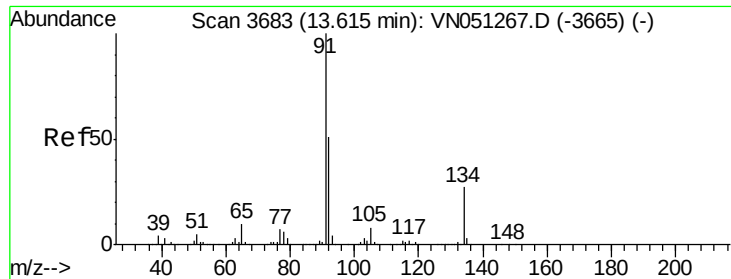
Tgt Ion:146 Resp: 2046
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.7 56.1
 148 56.9 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 0.815 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN051297.D
 Acq: 18 Sep 2018 15:01

Tgt Ion:146 Resp: 2046
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.2 54.6
 148 56.9 31.9 95.7

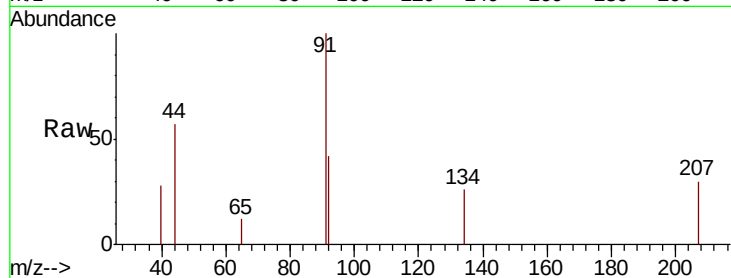




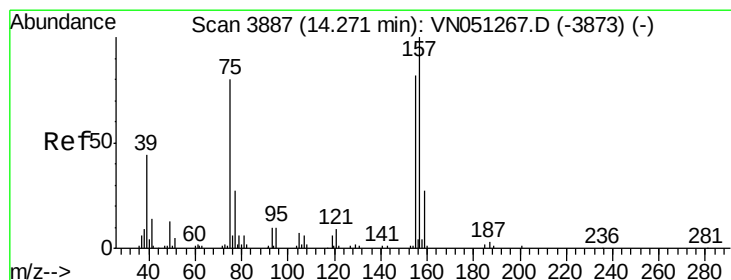
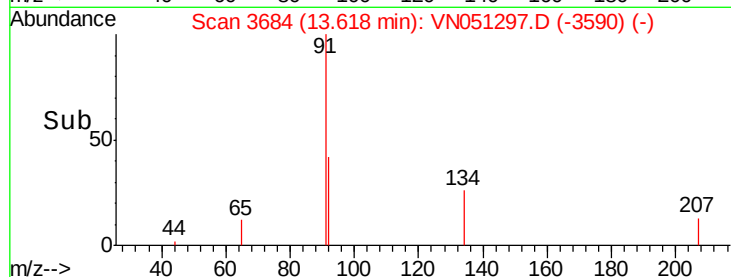
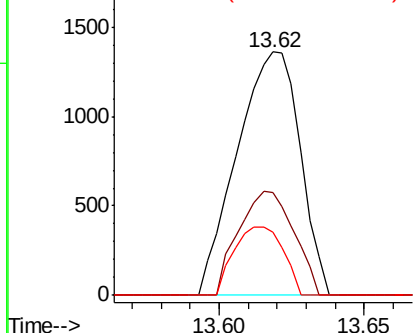
#89
n-Butylbenzene
Concen: 2.282 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN051297.D
Acq: 18 Sep 2018 15:01

Instrument :
MSVOA_N
ClientSampleId :
BFB

Tgt Ion: 91 Resp: 2050
Ion Ratio Lower Upper
91 100
92 37.5 25.8 77.4
134 21.9 13.7 41.0

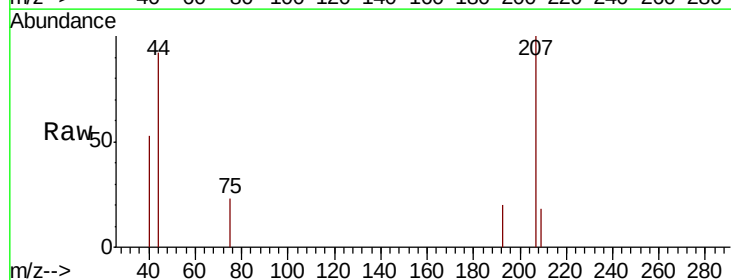


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): VN0

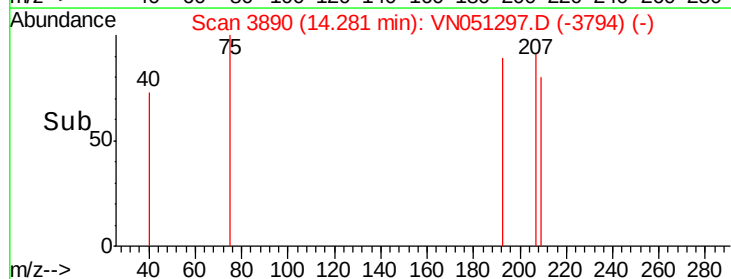
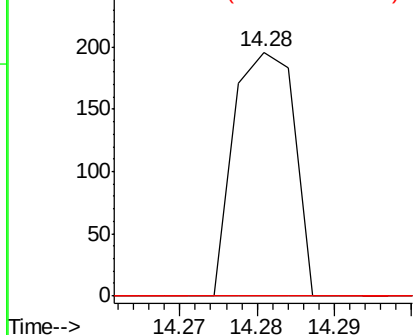


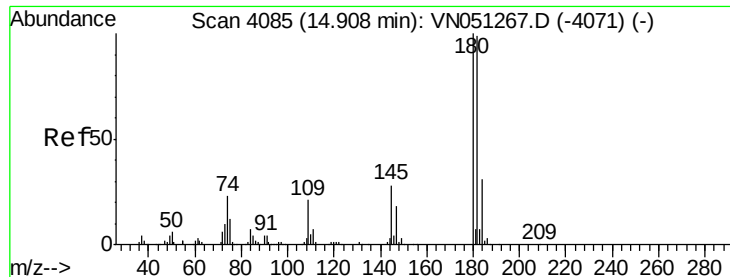
#92
1,2-Dibromo-3-Chloropropane
Concen: 0.463 ug/l
RT: 14.28 min Scan# 3890
Delta R.T. 0.01 min
Lab File: VN051297.D
Acq: 18 Sep 2018 15:01

Tgt Ion: 75 Resp: 106
Ion Ratio Lower Upper
75 100
155 0.0 50.2 150.7#
157 0.0 62.9 188.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 154.80 (154.50 to 155.50): VN0
Ion 156.80 (156.50 to 157.50): VN0

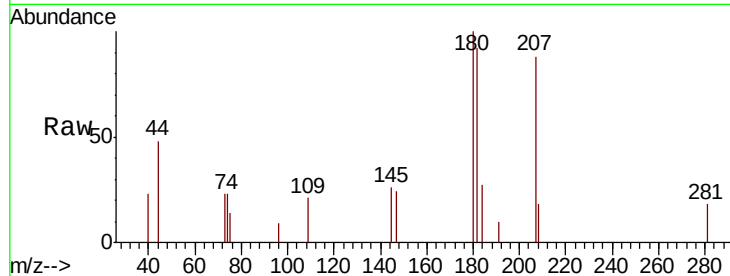




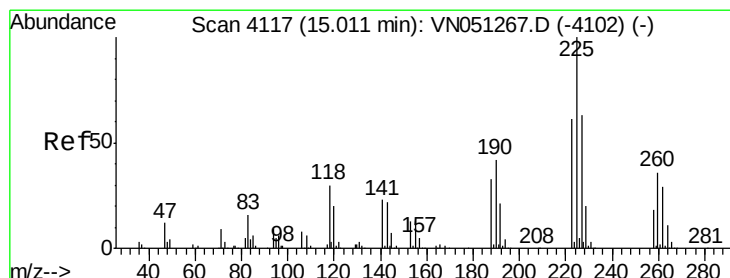
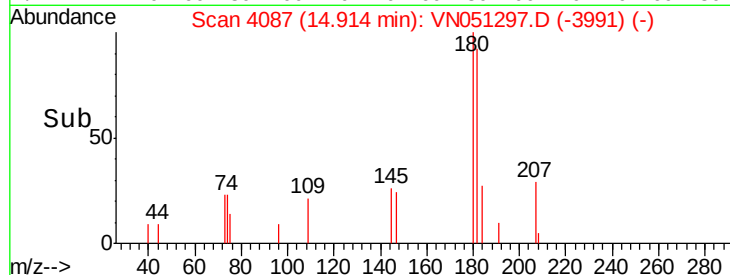
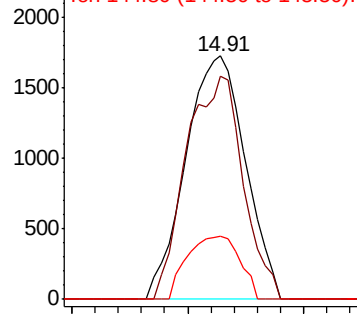
#93
 1,2,4-Trichlorobenzene
 Concen: 6.188 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN051297.D
 Acq: 18 Sep 2018 15:01

Instrument :
 MSVOA_N
 ClientSampled :
 BFB

Tgt Ion:180 Resp: 3086
 Ion Ratio Lower Upper
 180 100
 182 87.3 48.5 145.6
 145 22.8 14.0 41.9

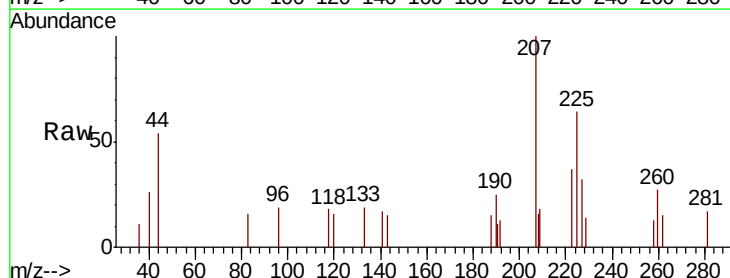


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

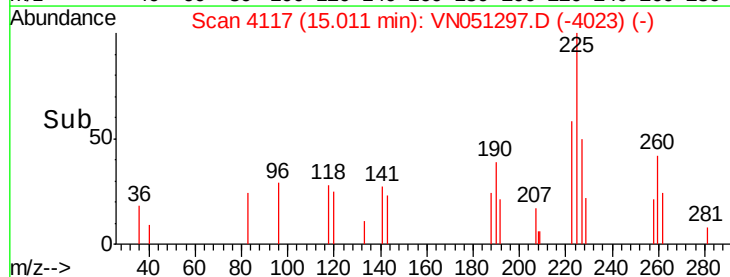
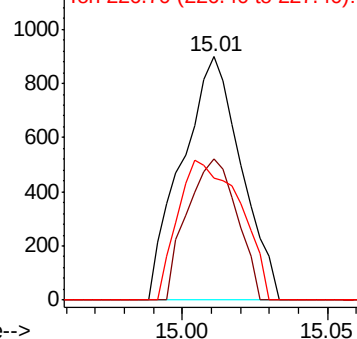


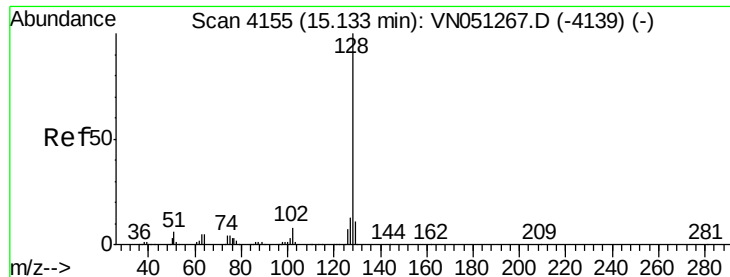
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051297.D
 Acq: 18 Sep 2018 15:01

Tgt Ion:225 Resp: 1280
 Ion Ratio Lower Upper
 225 100
 223 48.5 30.8 92.3
 227 60.1 32.1 96.3



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: 7.174 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051297.D

Acq: 18 Sep 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

BFB

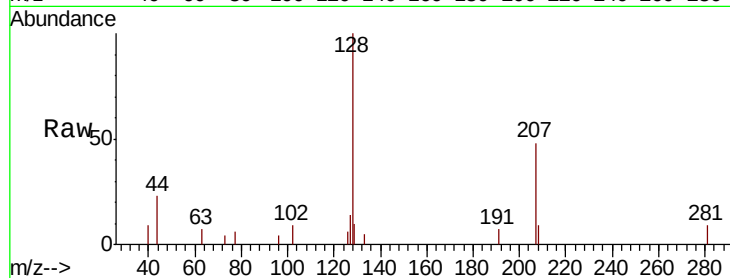
Tgt Ion:128 Resp: 6319

Ion Ratio Lower Upper

128 100

127 13.8 10.7 16.1

129 8.4 8.9 13.3#

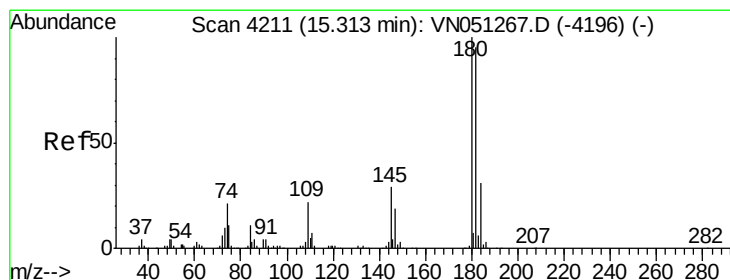
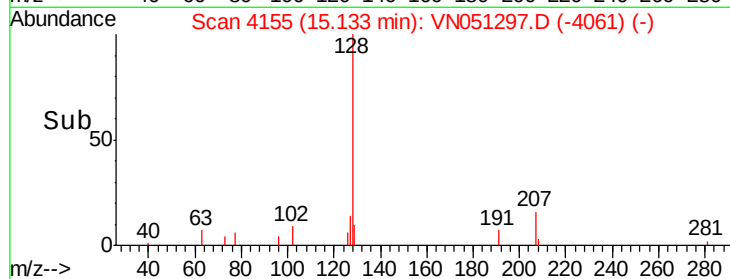
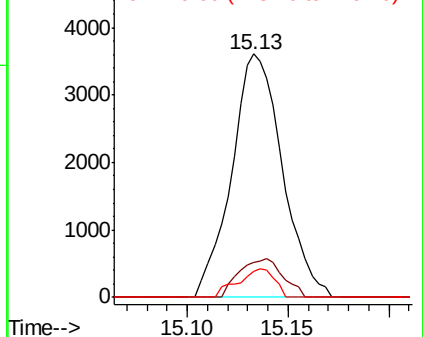


Abundance

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: 5.079 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051297.D

Acq: 18 Sep 2018 15:01

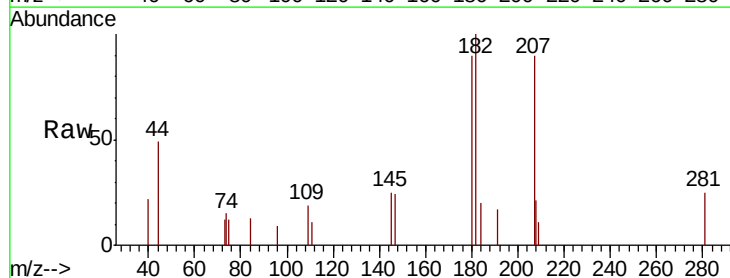
Tgt Ion:180 Resp: 2996

Ion Ratio Lower Upper

180 100

182 107.0 47.5 142.6

145 29.7 14.8 44.4



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

