

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100818\
 Data File : VN051720.D
 Acq On : 8 Oct 2018 8:49
 Operator : MD\SY
 Sample : VN1008WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBL01

Quant Time: Oct 09 03:46:29 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	786088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1138888	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	985979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	344244	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	473532	45.60	ug/l	0.00
Spiked Amount			Recovery	=	91.20%	
35) Dibromofluoromethane	7.59	113	432872	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
50) Toluene-d8	10.09	98	1600633	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.40	95	446543	38.40	ug/l	0.00
Spiked Amount			Recovery	=	76.80%	

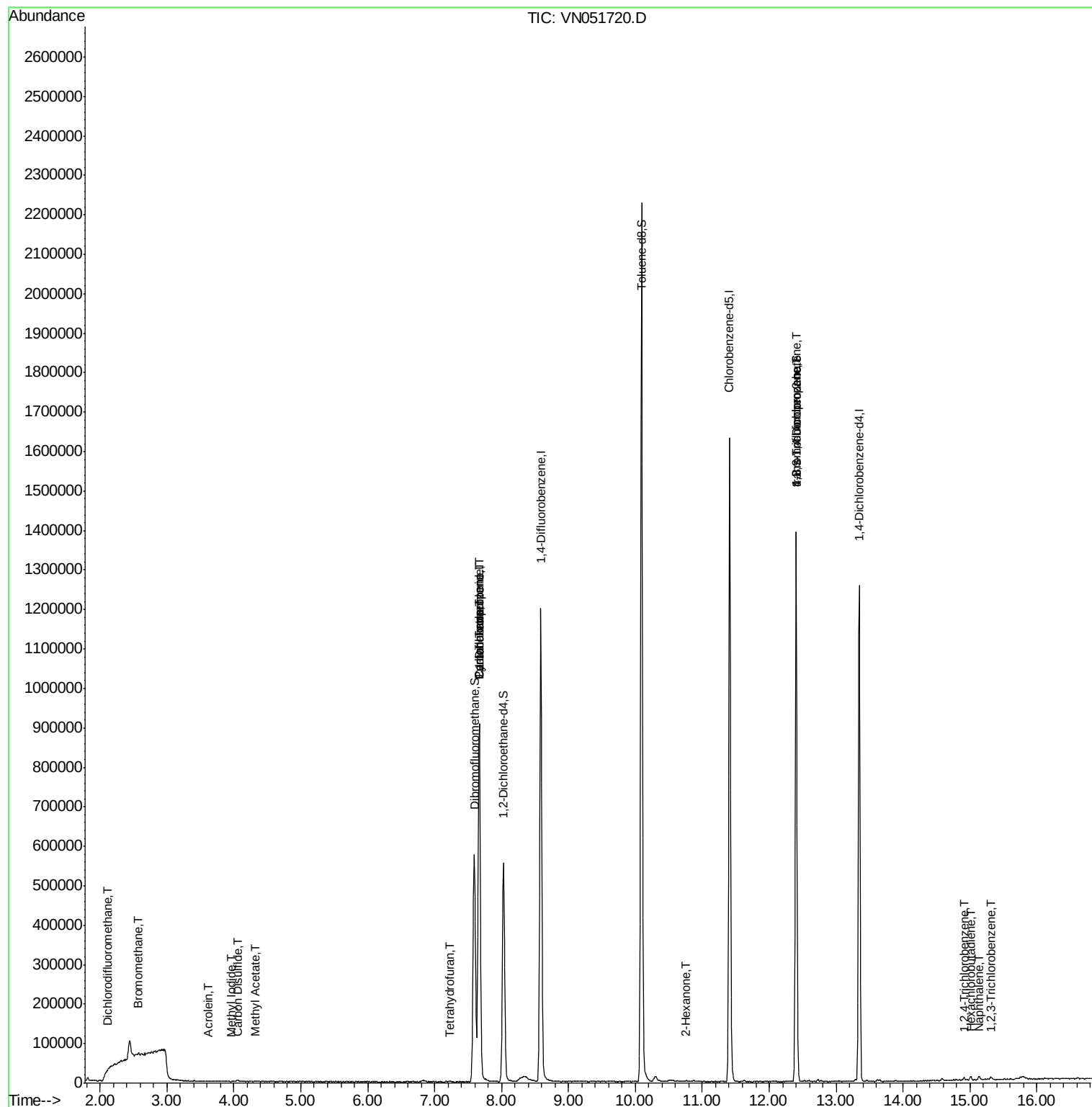
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.10	85	126	1.162	ug/l #	42
5) Bromomethane	2.57	94	2789	0.257	ug/l #	71
7) Trichlorofluoromethane	3.00	101	162	Below Cal	#	15
10) Methyl Iodide	3.96	142	61	2.343	ug/l #	41
13) Acrolein	3.62	56	305	0.692	ug/l #	42
16) Acetone	3.81	43	597	Below Cal	#	44
17) Carbon Disulfide	4.06	76	4687	0.211	ug/l #	90
18) Methyl Acetate	4.32	43	1263	0.220	ug/l #	58
29) Tetrahydrofuran	7.22	42	644	0.350	ug/l #	40
31) Cyclohexane	7.67	56	16051	1.139	ug/l #	50
36) 1,1-Dichloropropene	7.67	75	53921	4.530	ug/l #	49
38) Carbon Tetrachloride	7.67	117	72596	5.082	ug/l #	15
41) Methacrylonitrile	7.17	41	255	Below Cal	#	32
59) 2-Hexanone	10.76	43	1449	0.325	ug/l	79
74) N-amyl acetate	12.08	43	1728	Below Cal	#	81
75) 1,1,2,2-Tetrachloroethane	12.50	83	505	Below Cal	#	95
76) 1,2,3-Trichloropropane	12.40	75	237103	55.918	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	237103	126.608	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.91	180	2374	0.429	ug/l	91
94) Hexachlorobutadiene	15.01	225	1699	0.453	ug/l	84
95) Naphthalene	15.14	128	7285	0.610	ug/l	95
96) 1,2,3-Trichlorobenzene	15.31	180	2519	0.462	ug/l	77

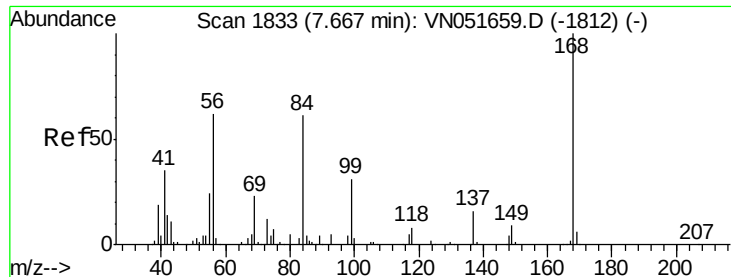
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 05 02:22:33 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: VN051720.D

Acq: 8 Oct 2018 8:49

Instrument :

MSVOA_N

ClientSampled :

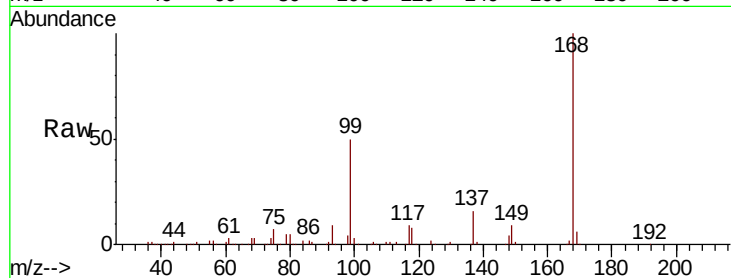
VN1008WBL01

Tot Ion:168 Resp: 786088

Ion Ratio Lower Upper

168 100

99 49.6 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

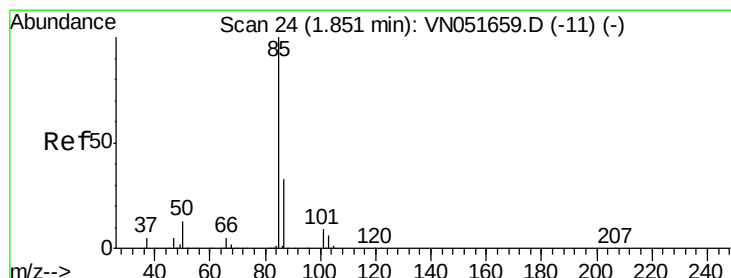
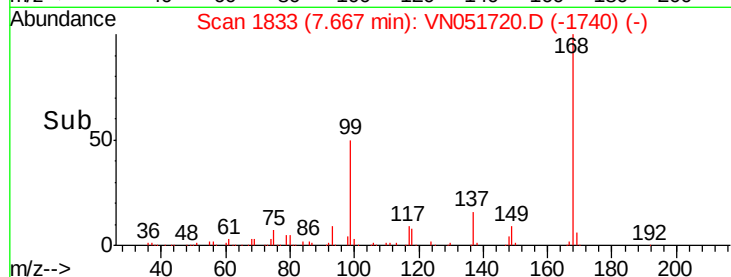
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.162 ug/l

RT: 2.10 min Scan# 102

Delta R.T. 0.25 min

Lab File: VN051720.D

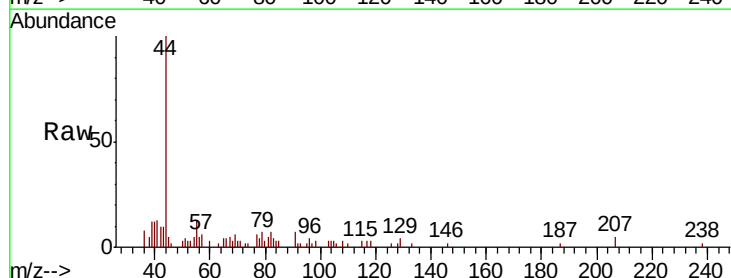
Acq: 8 Oct 2018 8:49

Tgt Ion: 85 Resp: 126

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.4#



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

2.10

250

200

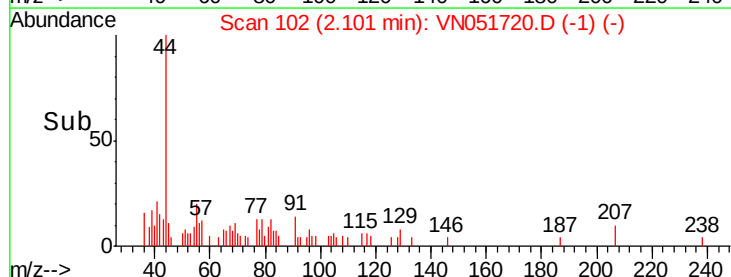
150

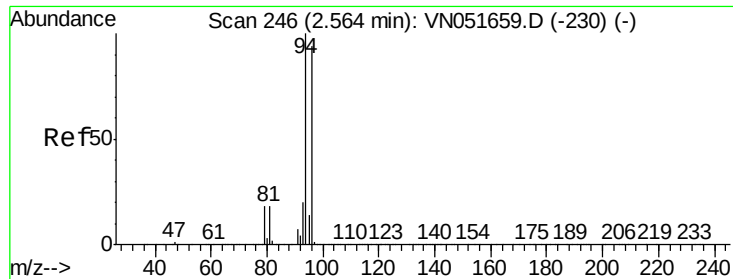
100

50

0

Time-->





#5

Bromomethane

Concen: 0.257 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051720.D

Acq: 8 Oct 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

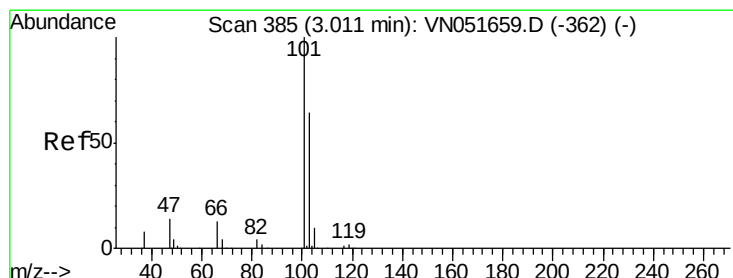
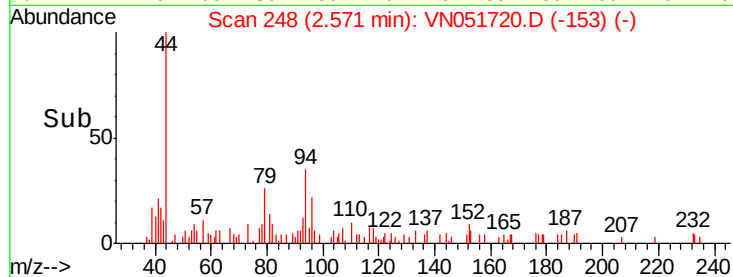
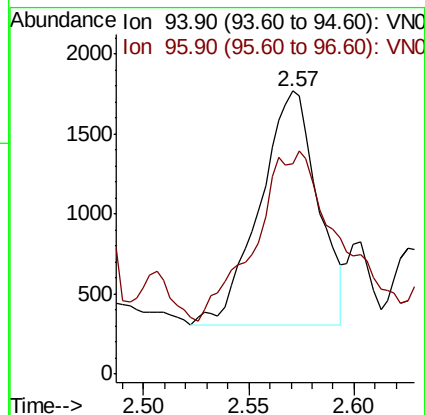
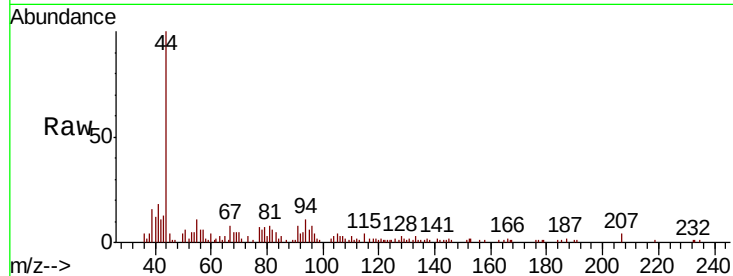
VN1008WBL01

Tot Ion: 94 Resp: 2789

Ion Ratio Lower Upper

94 100

96 66.1 75.2 112.8#



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 3.00 min Scan# 380

Delta R.T. -0.02 min

Lab File: VN051720.D

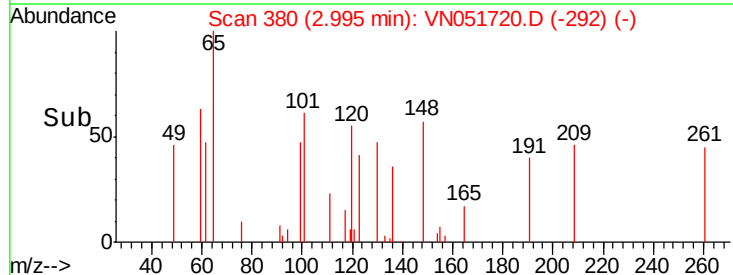
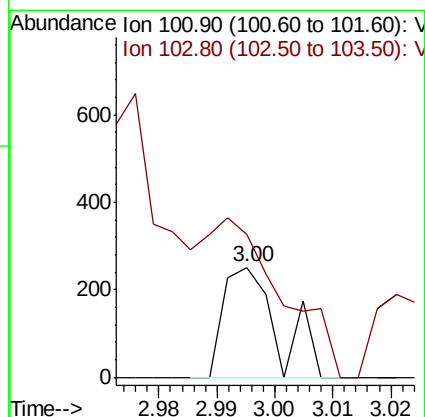
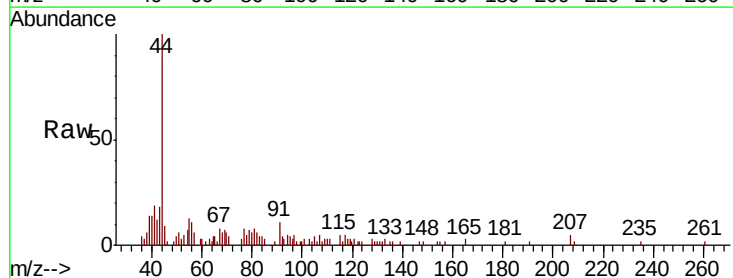
Acq: 8 Oct 2018 8:49

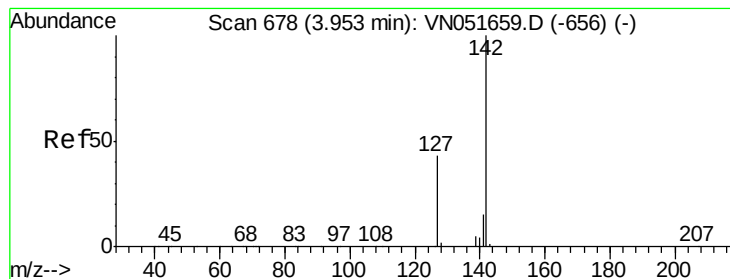
Tgt Ion: 101 Resp: 162

Ion Ratio Lower Upper

101 100

103 130.2 51.1 76.7#





#10

Methvl Iodide

Concen: 2.343 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN051720.D

Acq: 8 Oct 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBL01

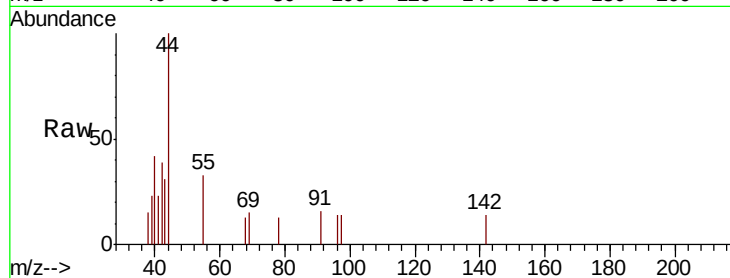
Tot Ion:142 Resp: 61

Ion Ratio Lower Upper

142 100

127 0.0 34.7 52.1#

141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.96

150

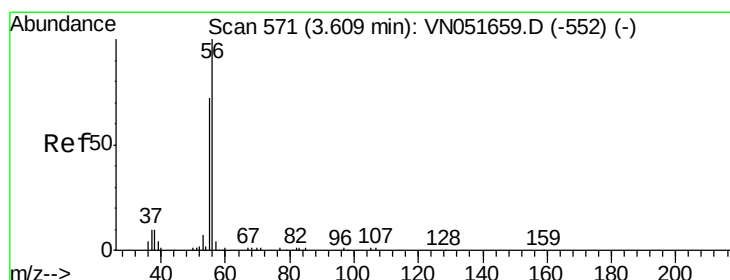
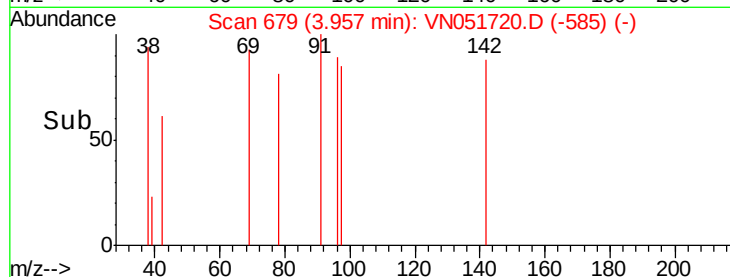
100

50

0

3.94 3.95 3.96

Time-->



#13

Acrolein

Concen: 0.692 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN051720.D

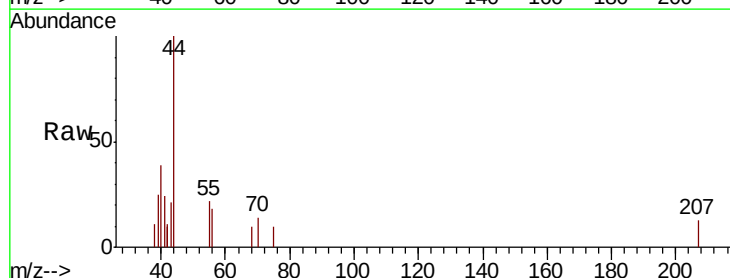
Acq: 8 Oct 2018 8:49

Tgt Ion: 56 Resp: 305

Ion Ratio Lower Upper

56 100

55 23.3 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): V

Ion 55.00 (54.70 to 55.70): V

400

300

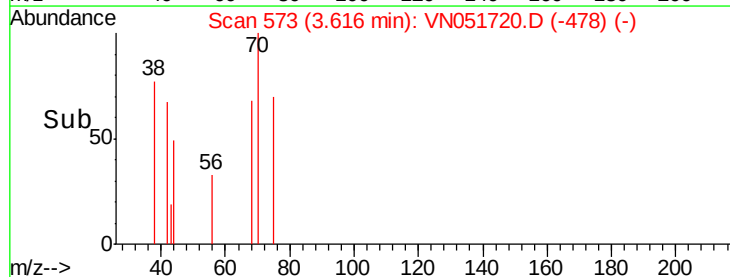
200

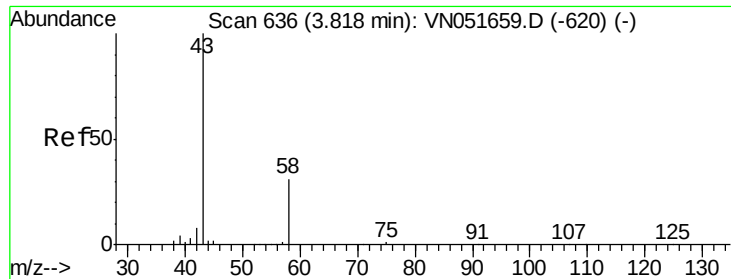
100

0

3.59 3.60 3.61 3.62 3.63

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.81 min Scan# 633

Delta R.T. -0.01 min

Lab File: VN051720.D

Acq: 8 Oct 2018 8:49

Instrument :

MSVOA_N

ClientSampled :

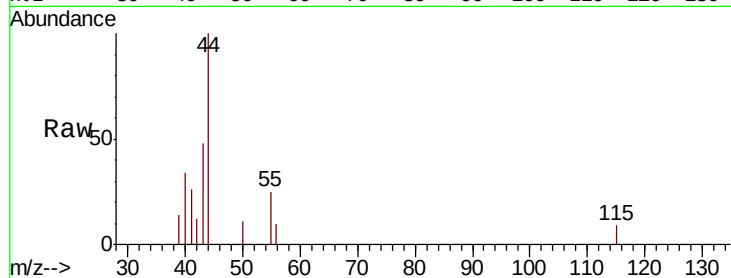
VN1008WBL01

Tot Ion: 43 Resp: 597

Ion Ratio Lower Upper

43 100

58 0.0 24.3 36.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.81

800

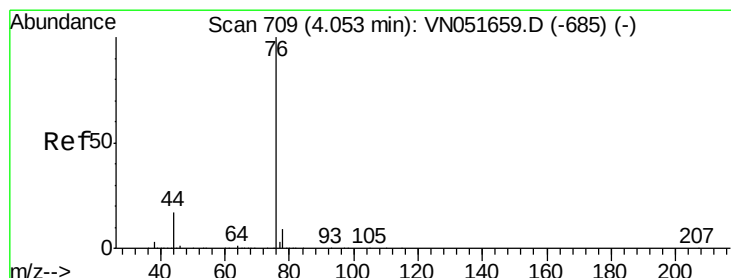
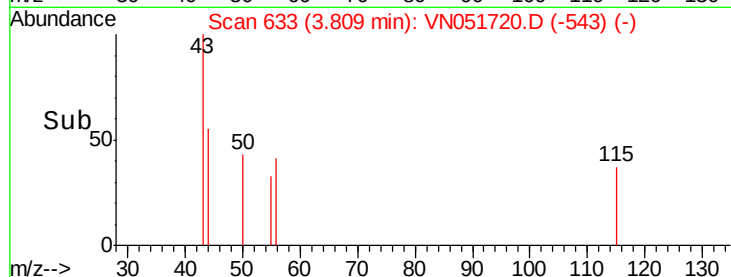
600

400

200

0

Time-->



#17

Carbon Disulfide

Concen: 0.211 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN051720.D

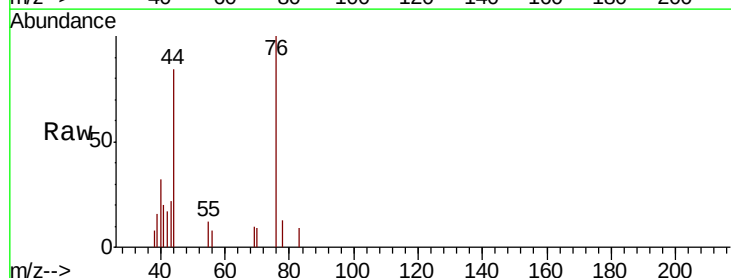
Acq: 8 Oct 2018 8:49

Tgt Ion: 76 Resp: 4687

Ion Ratio Lower Upper

76 100

78 12.7 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

2000

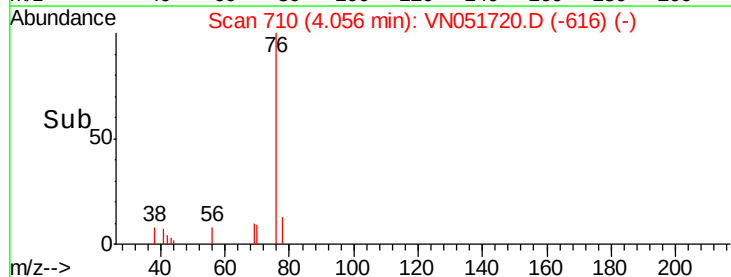
1500

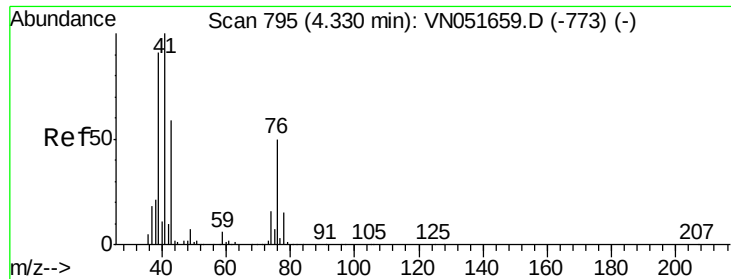
1000

500

0

Time-->

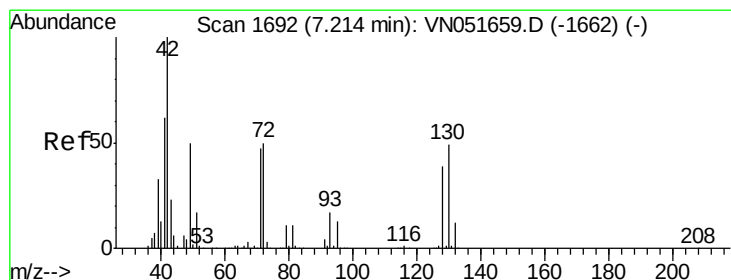
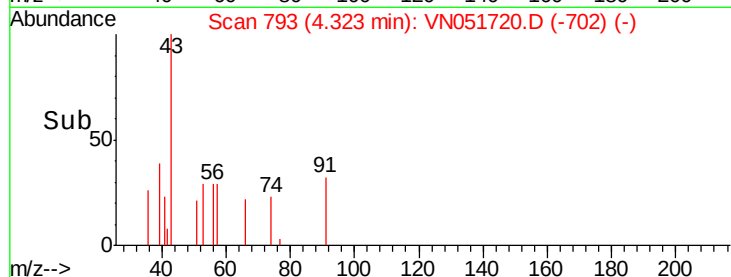
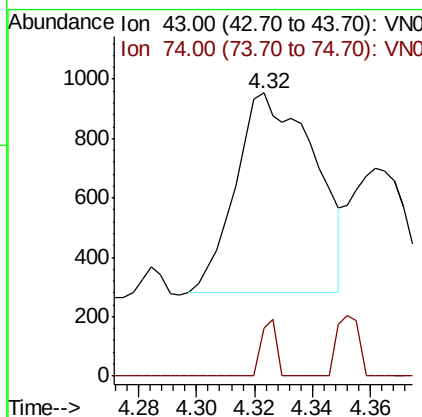
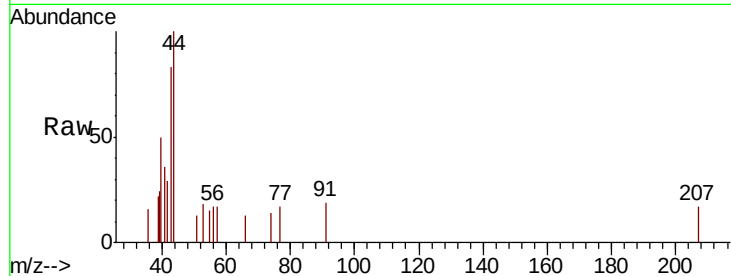




#18
Methvl Acetate
Concen: 0.220 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN051720.D
Acq: 8 Oct 2018 8:49

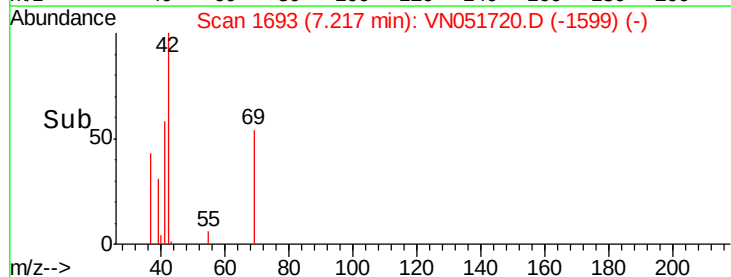
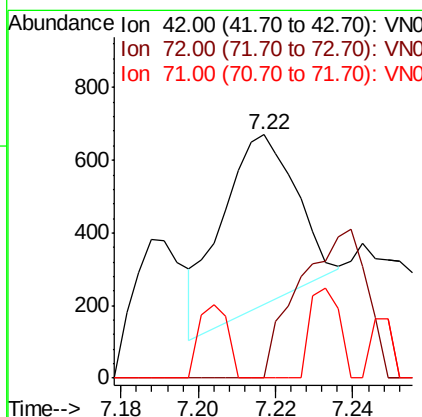
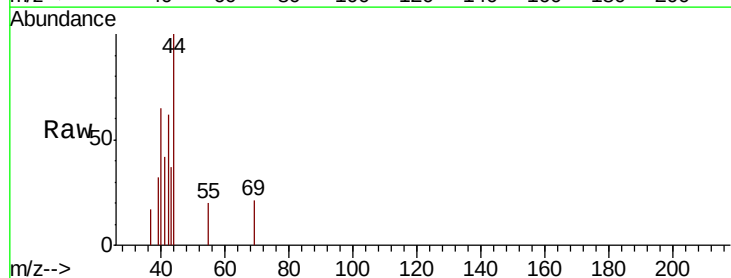
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBL01

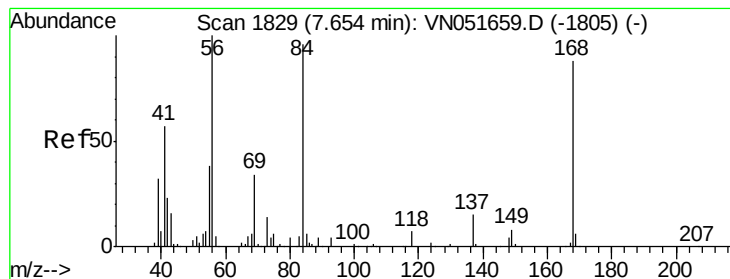
Tot Ion: 43 Resp: 1263
Ion Ratio Lower Upper
43 100
74 5.4 21.5 32.3#



#29
Tetrahydrofuran
Concen: 0.350 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051720.D
Acq: 8 Oct 2018 8:49

Tgt Ion: 42 Resp: 644
Ion Ratio Lower Upper
42 100
72 0.0 40.1 60.1#
71 16.3 38.0 57.0#





#31

Cyclohexane

Concen: 1.139 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051720.D

Acq: 8 Oct 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBL01

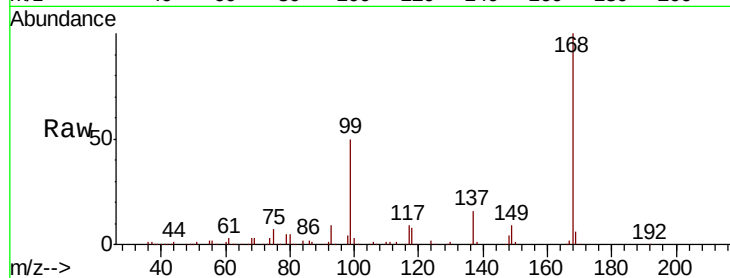
Tot Ion: 56 Resp: 16051

Ion Ratio Lower Upper

56 100

69 127.3 27.5 41.3#

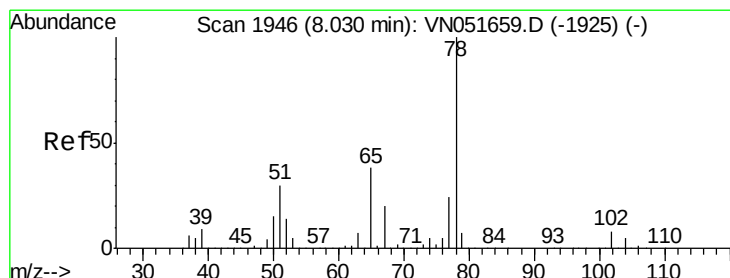
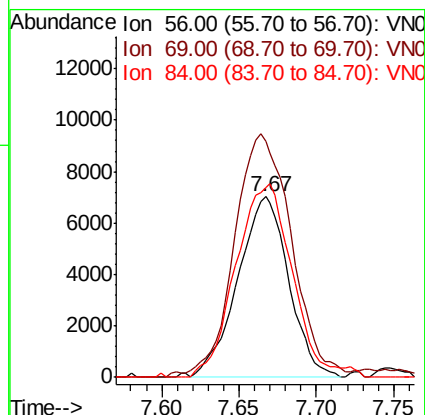
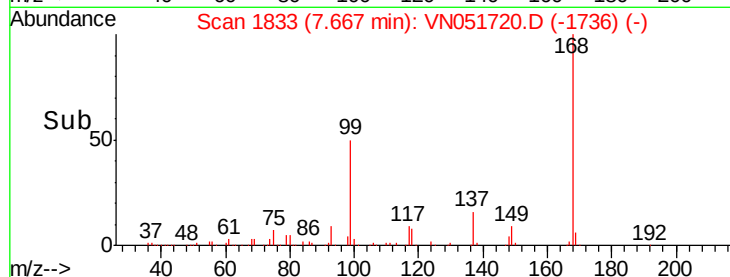
84 105.6 76.7 115.1



Abundance Ion 56.00 (55.70 to 56.70): VN051659.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN051659.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN051659.D (-1805) (-)



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051720.D

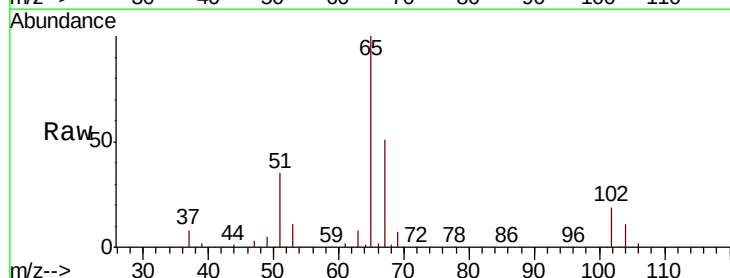
Acq: 8 Oct 2018 8:49

Tgt Ion: 65 Resp: 473532

Ion Ratio Lower Upper

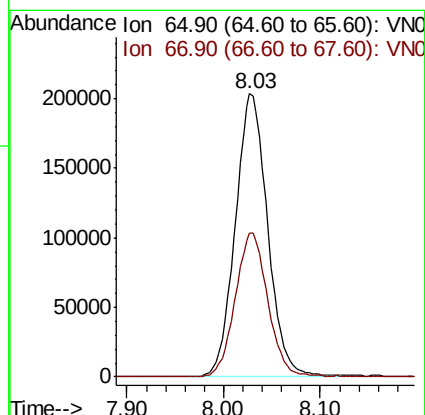
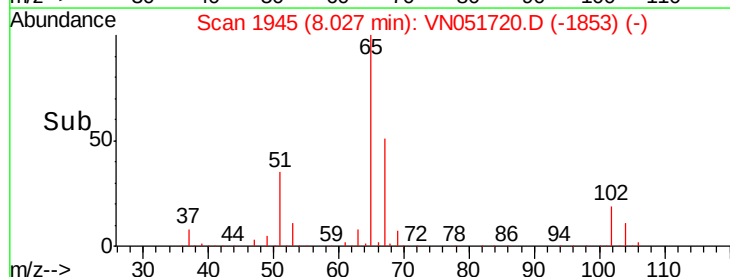
65 100

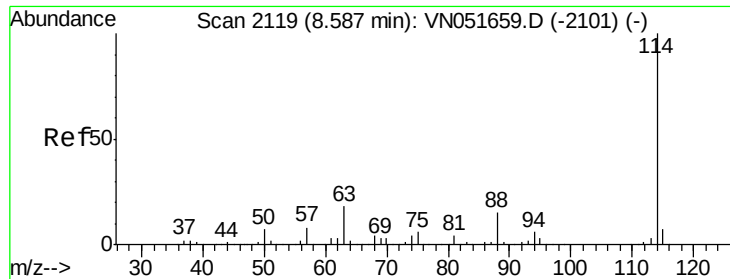
67 51.0 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VN051659.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN051659.D (-1925) (-)

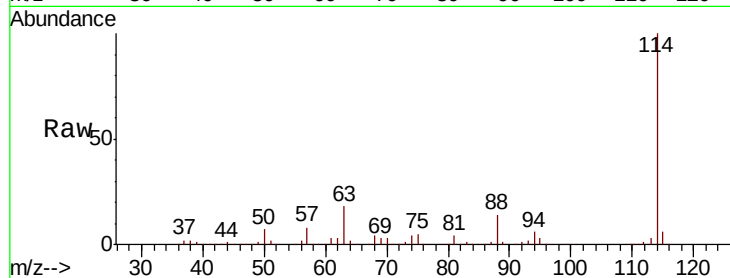




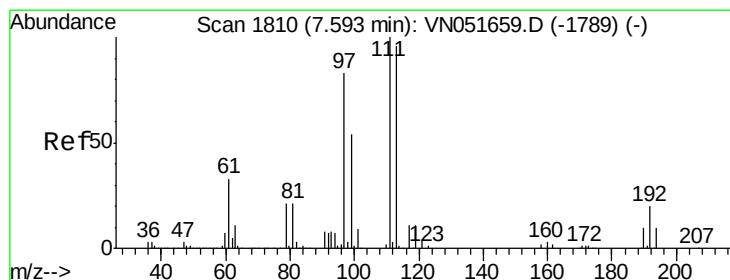
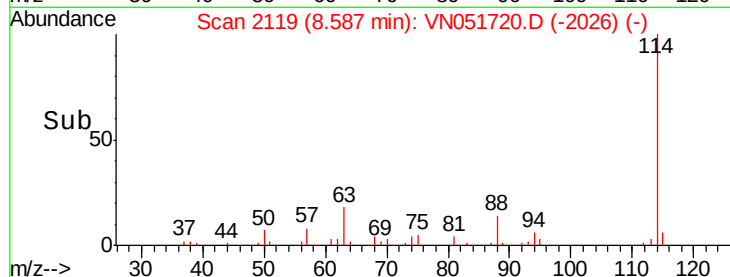
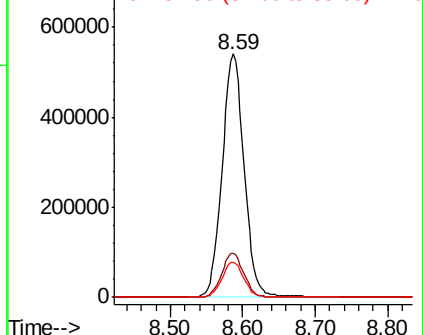
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN051720.D
Acq: 8 Oct 2018 8:49

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBL01

Tot Ion:114 Resp: 1138888
Ion Ratio Lower Upper
114 100
63 18.3 0.0 36.2
88 14.5 0.0 30.2

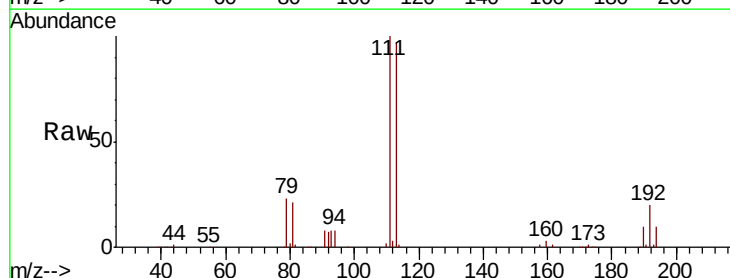


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

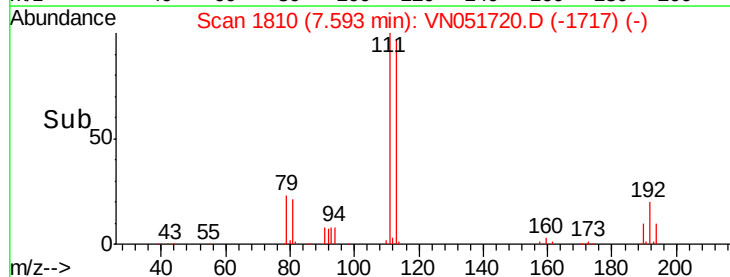
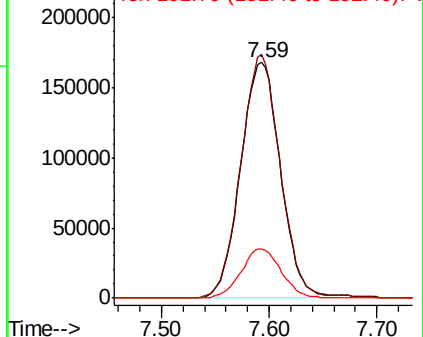


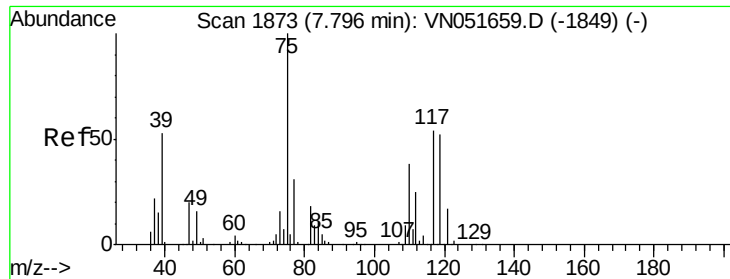
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN051720.D
Acq: 8 Oct 2018 8:49

Tgt Ion:113 Resp: 432872
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 21.0 16.5 24.7



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

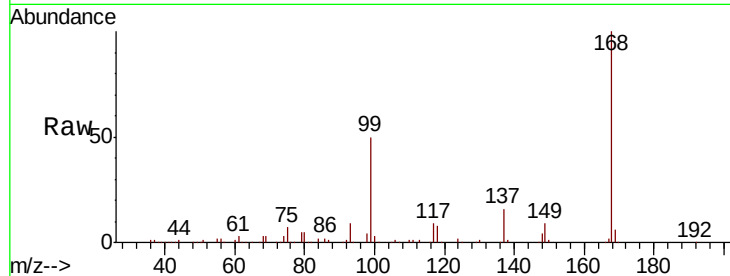




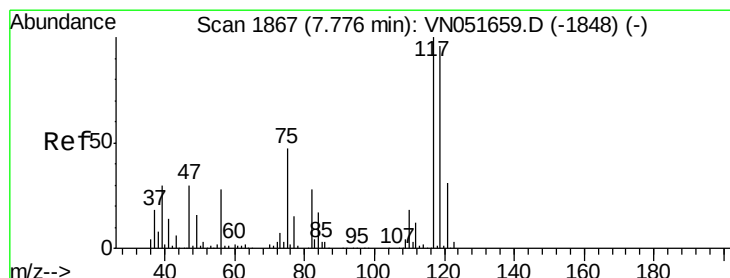
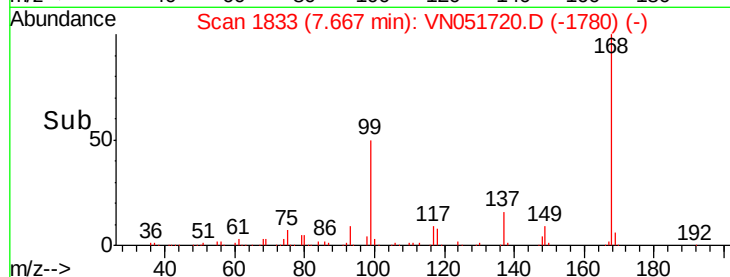
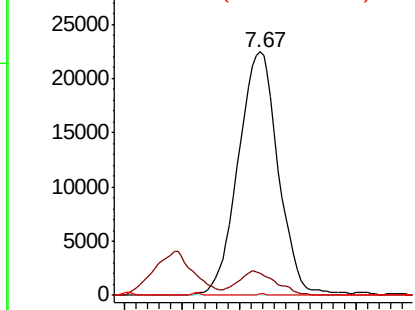
#36
 1,1-Dichloropropene
 Concen: 4.530 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051720.D
 Acq: 8 Oct 2018 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBL01

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	19.3	57.8#
77	0.1	24.7	37.1#

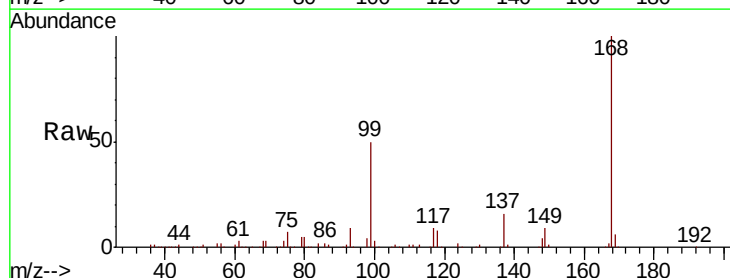


Abundance Ion 74.90 (74.60 to 75.60): VN051659.D (-1849) (-)
 Ion 109.90 (109.60 to 110.60): VN051659.D (-1849) (-)
 Ion 76.90 (76.60 to 77.60): VN051659.D (-1849) (-)

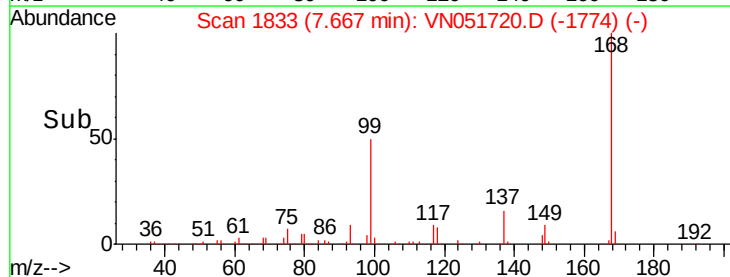
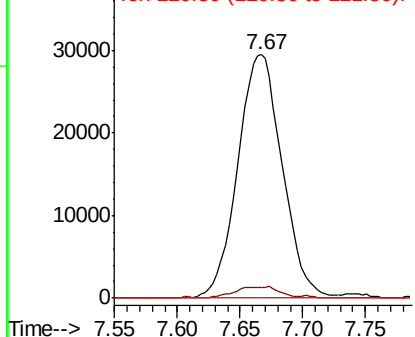


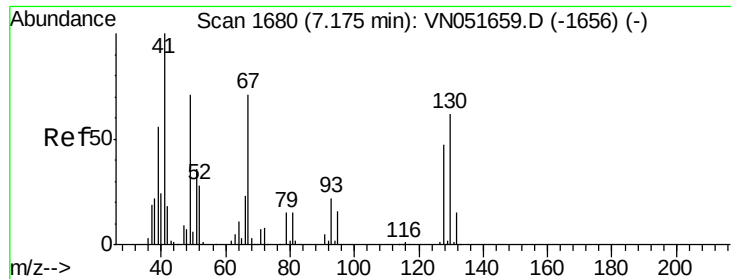
#38
 Carbon Tetrachloride
 Concen: 5.082 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN051720.D
 Acq: 8 Oct 2018 8:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	77.0	115.6#
121	0.0	25.0	37.6#



Abundance Ion 116.80 (116.50 to 117.50): VN051659.D (-1848) (-)
 Ion 118.80 (118.50 to 119.50): VN051659.D (-1848) (-)
 Ion 120.80 (120.50 to 121.50): VN051659.D (-1848) (-)

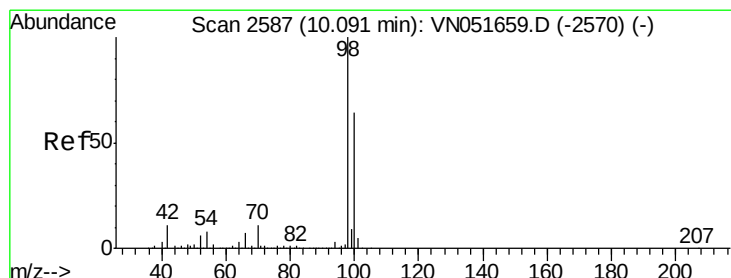
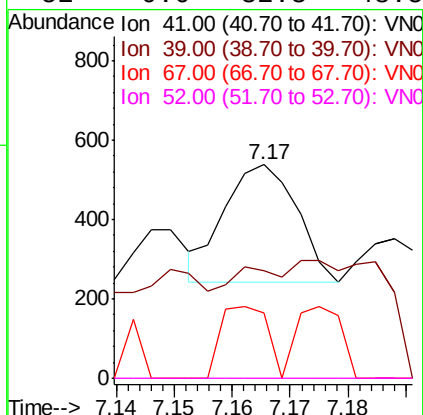
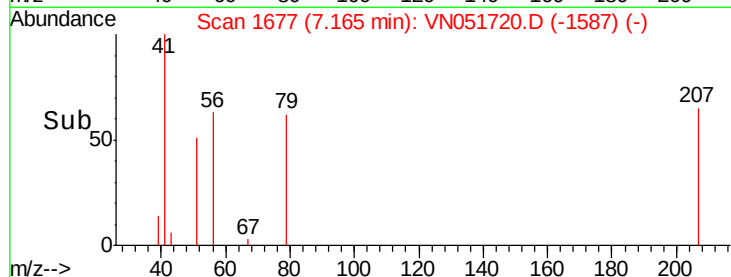
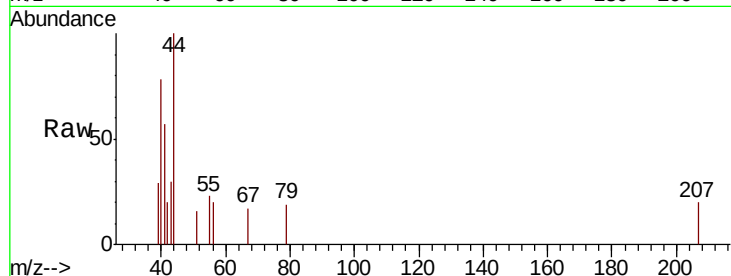




#41
Methacrylonitrile
Concen: Below Cal
RT: 7.17 min Scan# 1677
Delta R.T. -0.01 min
Lab File: VN051720.D
Acq: 8 Oct 2018 8:49

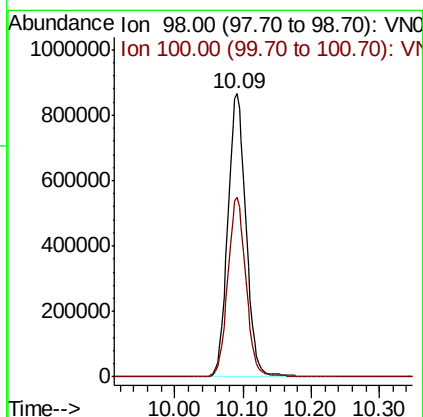
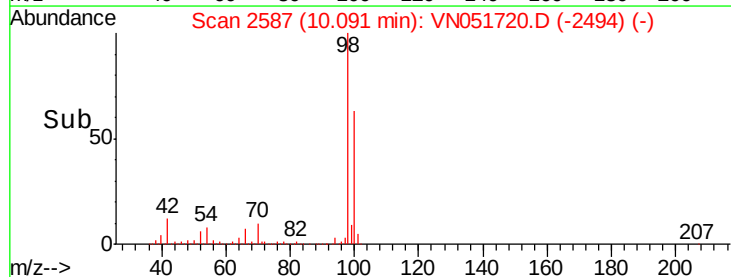
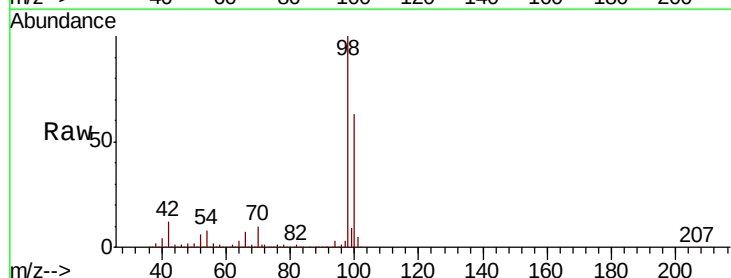
Instrument :
MSVOA_N
ClientSampled :
VN1008WBL01

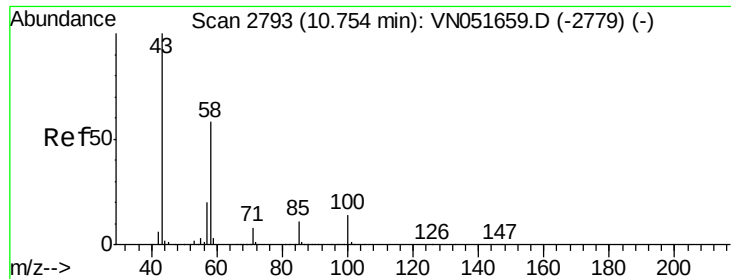
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.9	80.9#
67	39.2	78.1	117.1#
52	0.0	32.3	48.5#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051720.D
Acq: 8 Oct 2018 8:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.5	77.3

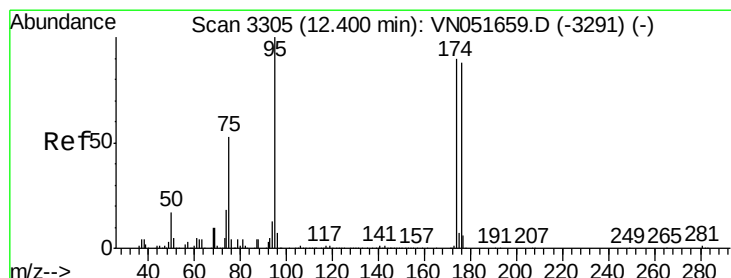
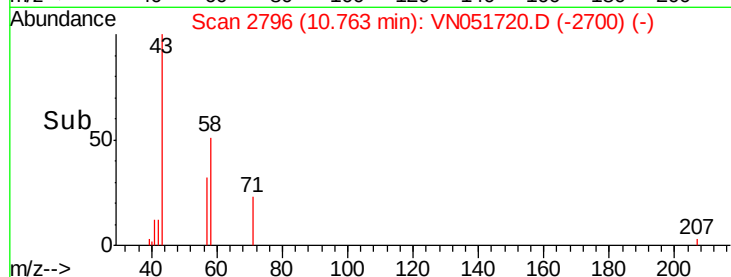
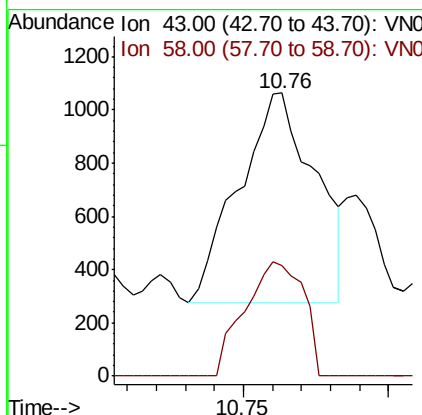
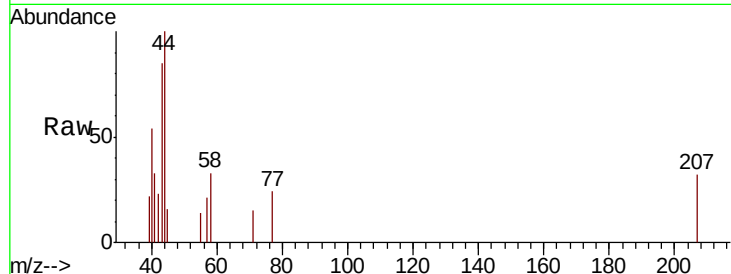




#59
2-Hexanone
Concen: 0.325 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN051720.D
Acq: 8 Oct 2018 8:49

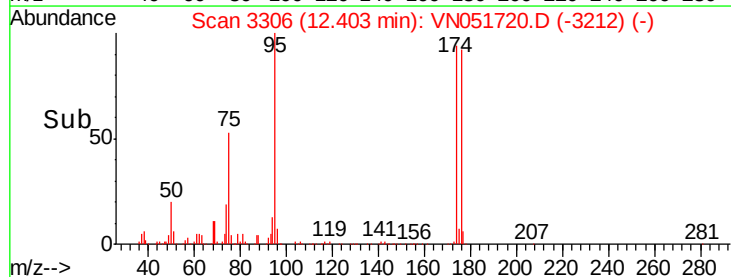
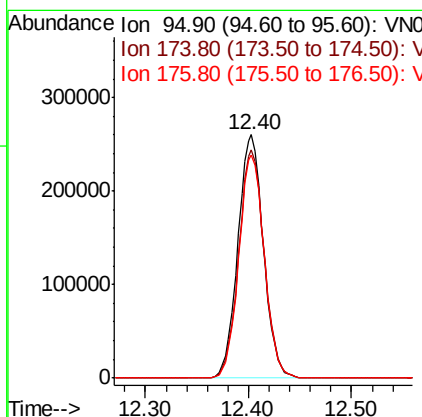
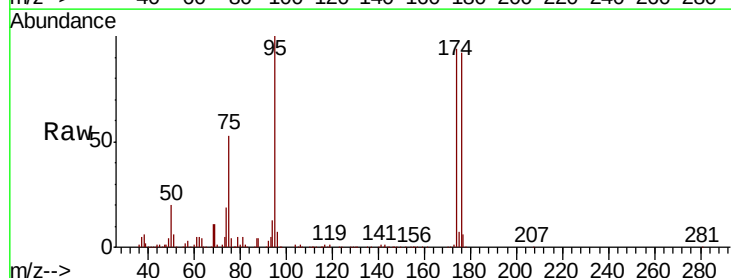
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBL01

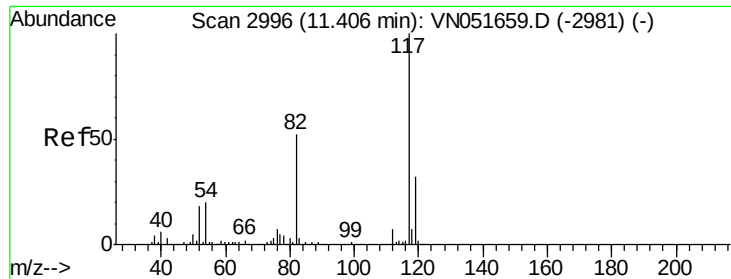
Tot Ion: 43 Resp: 1449
Ion Ratio Lower Upper
43 100
58 41.7 28.8 86.4



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051720.D
Acq: 8 Oct 2018 8:49

Tgt Ion: 95 Resp: 446543
Ion Ratio Lower Upper
95 100
174 93.8 0.0 182.8
176 91.6 0.0 176.4

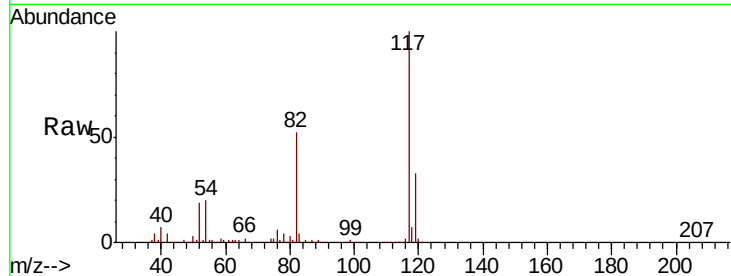




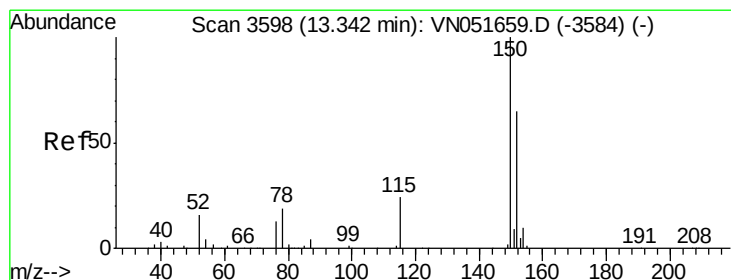
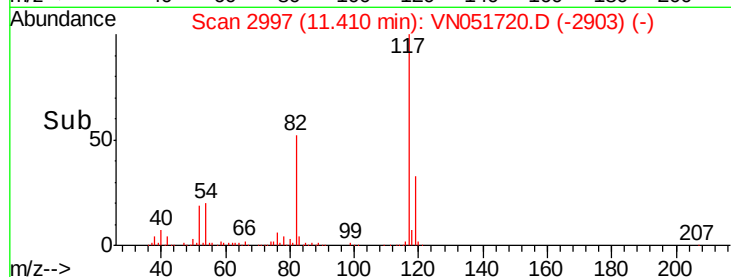
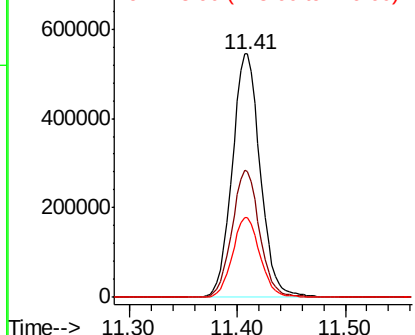
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051720.D
Acq: 8 Oct 2018 8:49

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBL01

Tot Ion:117 Resp: 985979
Ion Ratio Lower Upper
117 100
82 51.7 41.3 61.9
119 32.7 25.9 38.9

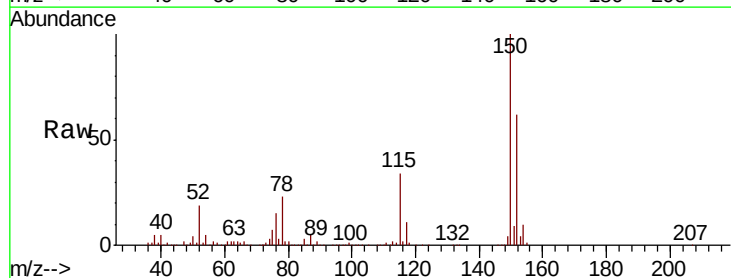


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

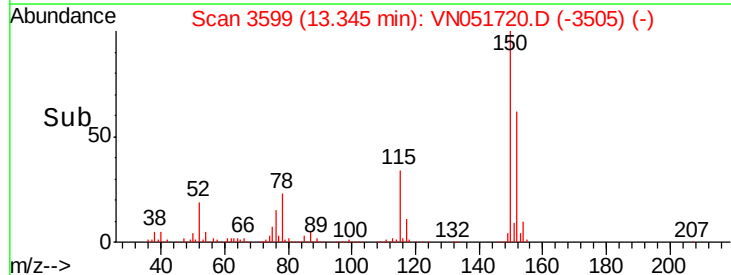
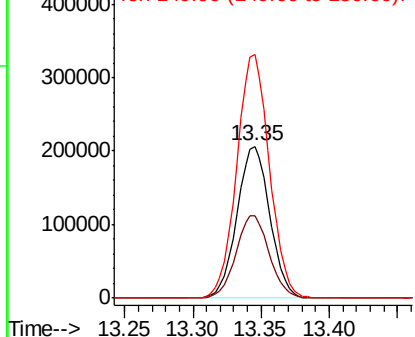


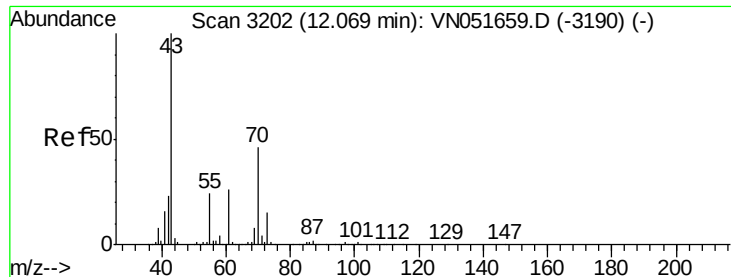
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051720.D
Acq: 8 Oct 2018 8:49

Tgt Ion:152 Resp: 344244
Ion Ratio Lower Upper
152 100
115 55.0 28.6 85.8
150 160.1 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: 12.08 min Scan# 3205

Delta R.T. 0.01 min

Lab File: VN051720.D

Acq: 8 Oct 2018 8:49

Instrument :

MSVOA_N

ClientSampled :

VN1008WBL01

Tot Ion: 43 Resp: 1728

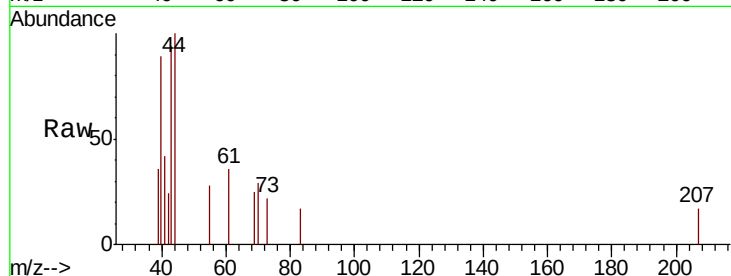
Ion Ratio Lower Upper

43 100

70 33.2 37.1 55.7#

55 17.8 19.1 28.7#

61 13.7 20.8 31.2#

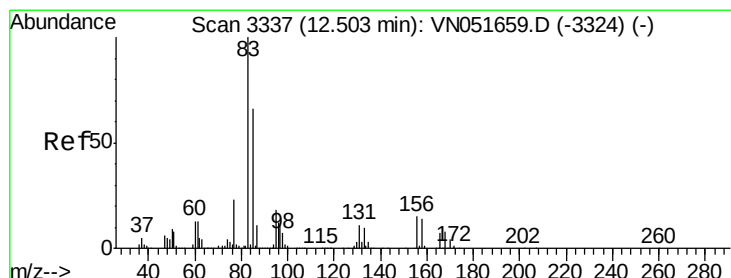
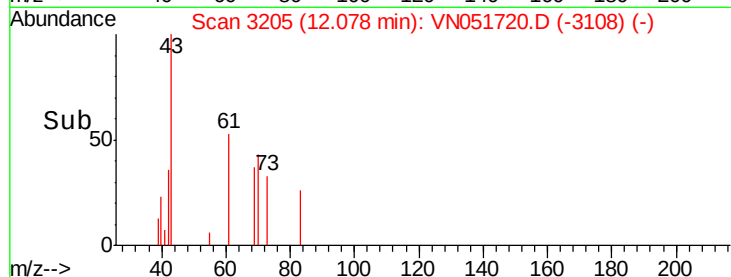
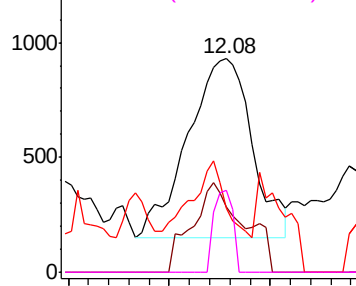


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN051720.D

Acq: 8 Oct 2018 8:49

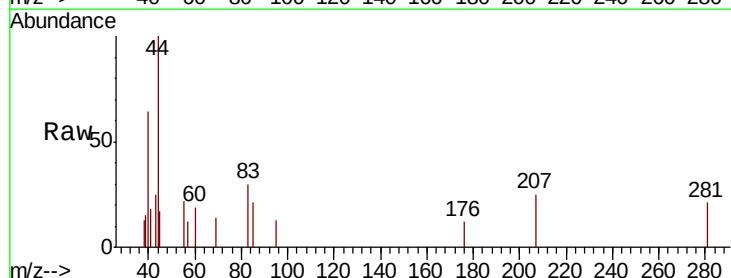
Tgt Ion: 83 Resp: 505

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

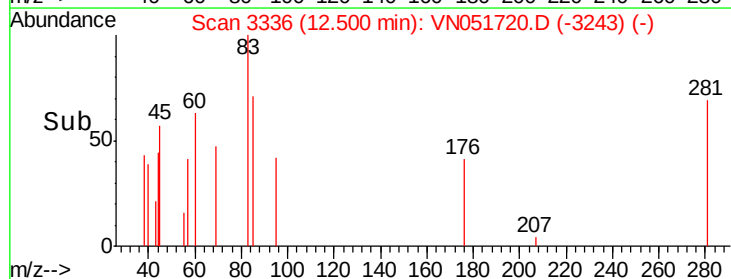
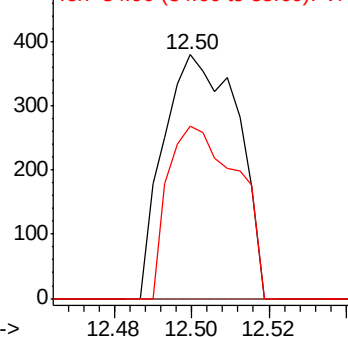
85 66.5 33.0 98.9

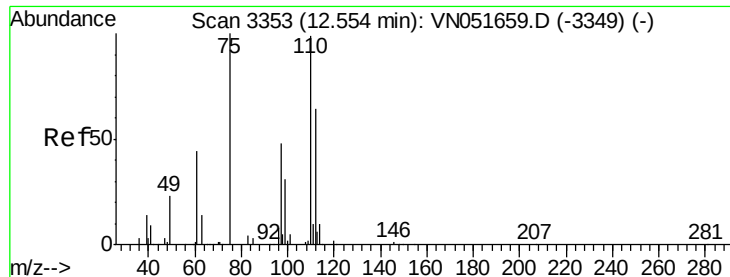


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 55.918 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051720.D

Acq: 8 Oct 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

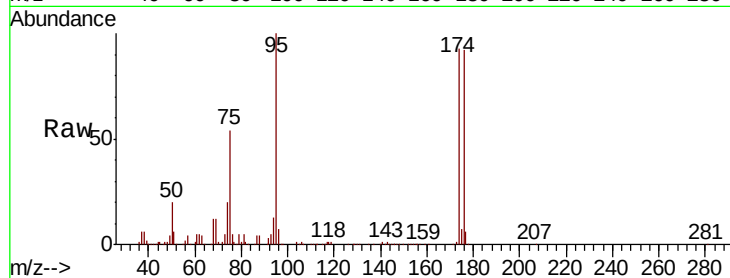
VN1008WBL01

Tot Ion: 75 Resp: 237103

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

150000

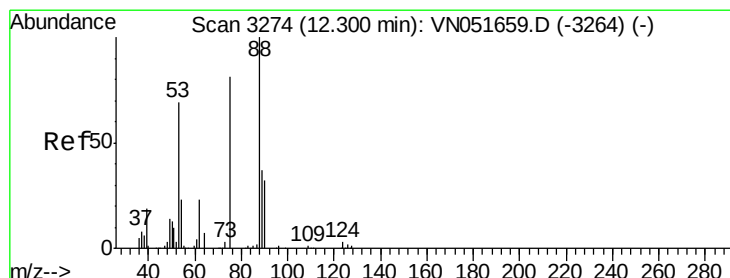
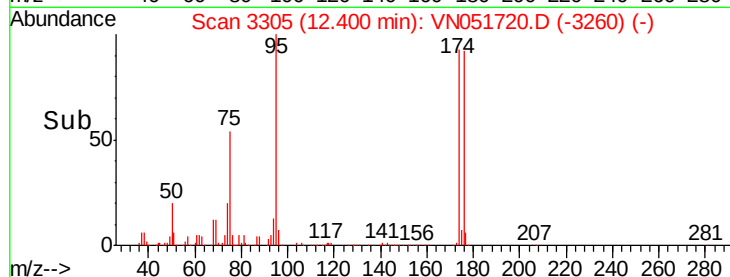
100000

50000

0

Time-->

12.35 12.40 12.45 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 126.608 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051720.D

Acq: 8 Oct 2018 8:49

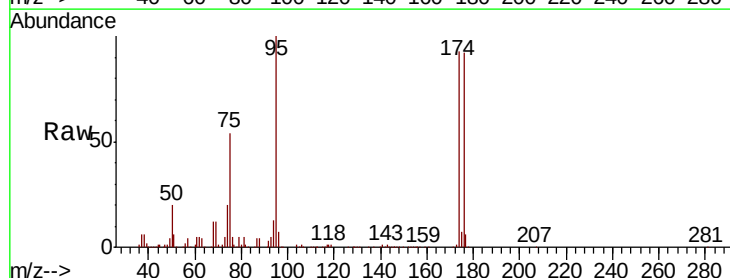
Tgt Ion: 75 Resp: 237103

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

12.40

150000

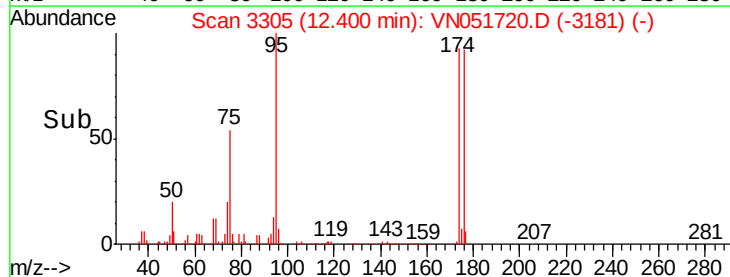
100000

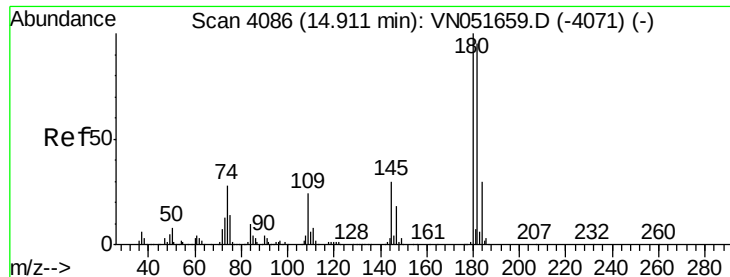
50000

0

Time-->

12.35 12.40 12.45 12.50

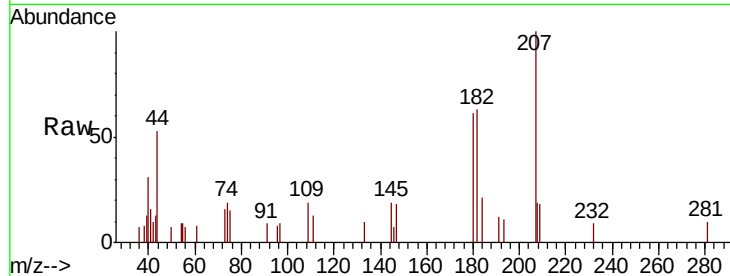




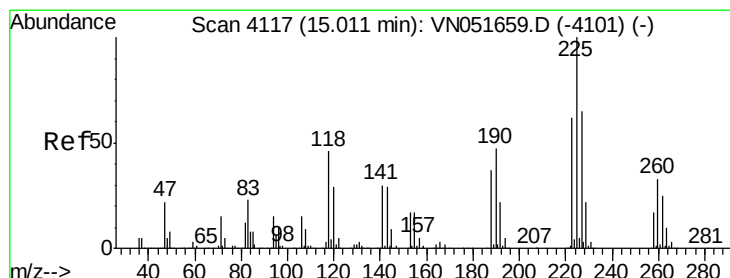
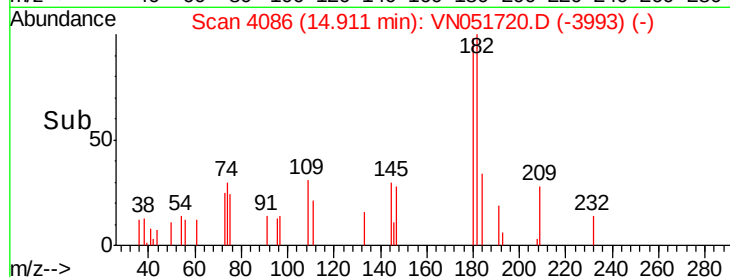
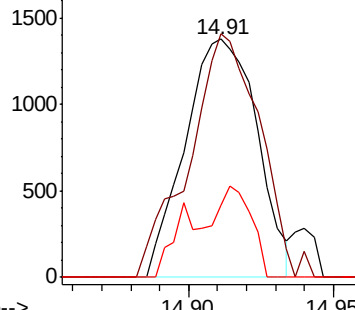
#93
 1,2,4-Trichlorobenzene
 Concen: 0.429 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN051720.D
 Acq: 8 Oct 2018 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBL01

Tot Ion:180 Resp: 2374
 Ion Ratio Lower Upper
 180 100
 182 100.4 47.7 143.1
 145 19.3 15.3 45.9

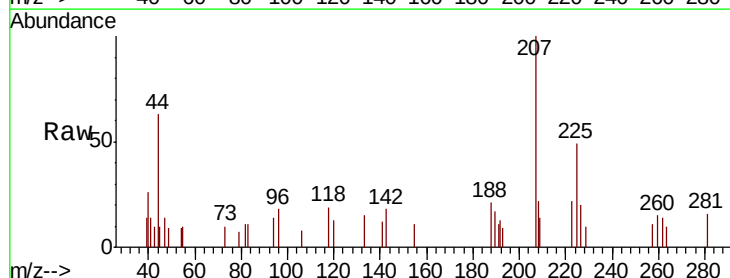


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

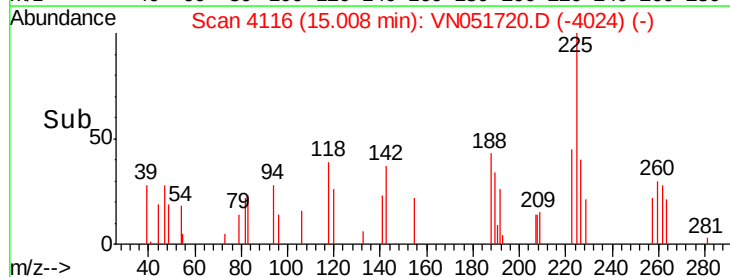
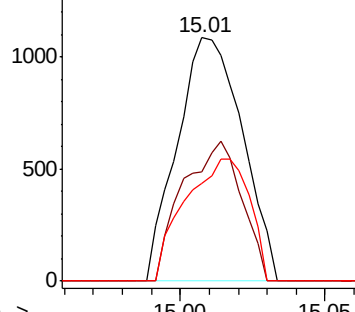


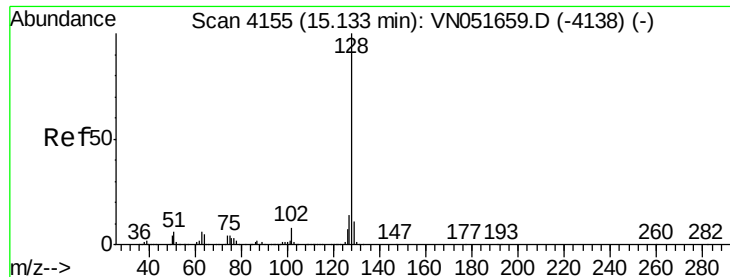
#94
 Hexachlorobutadiene
 Concen: 0.453 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051720.D
 Acq: 8 Oct 2018 8:49

Tgt Ion:225 Resp: 1699
 Ion Ratio Lower Upper
 225 100
 223 51.9 31.9 95.5
 227 49.6 31.7 95.1



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: 0.610 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051720.D

Acq: 8 Oct 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBL01

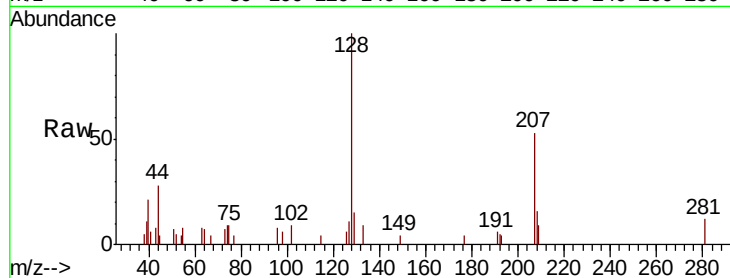
Tot Ion:128 Resp: 7285

Ion Ratio Lower Upper

128 100

127 11.4 10.6 15.8

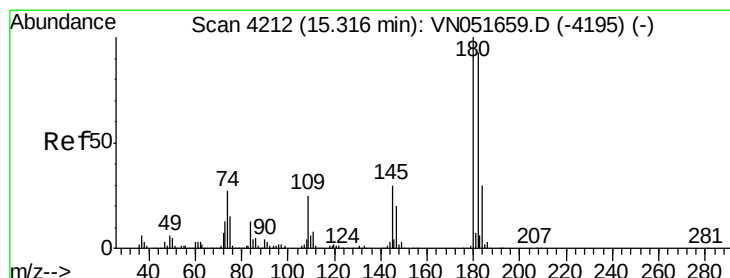
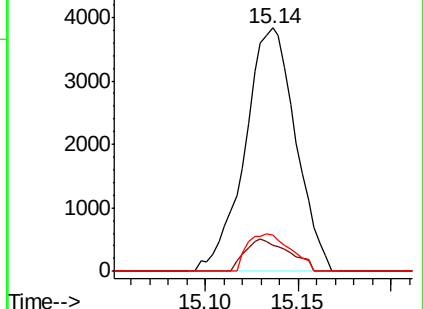
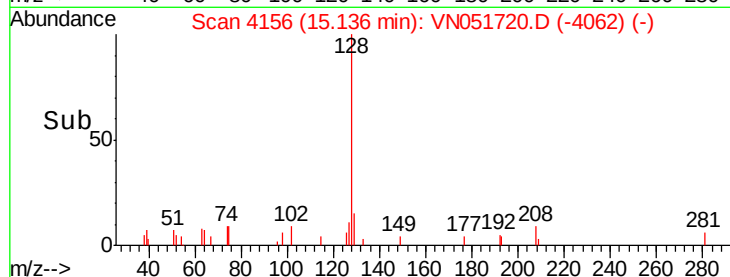
129 13.0 9.0 13.6



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: 0.462 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.01 min

Lab File: VN051720.D

Acq: 8 Oct 2018 8:49

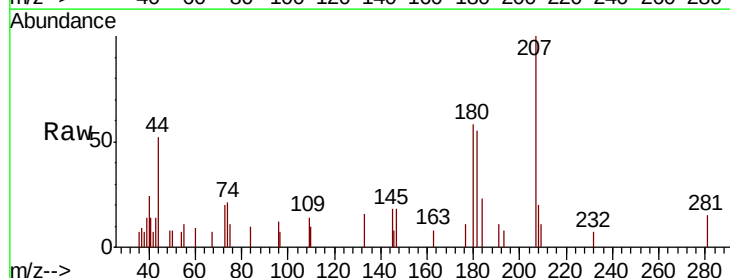
Tgt Ion:180 Resp: 2519

Ion Ratio Lower Upper

180 100

182 65.3 47.3 141.8

145 32.3 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

