

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049895.D
 Acq On : 19 Jul 2018 1:51
 Operator : MD\SY
 Sample : J3991-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 19 06:08:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 13:09:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	558626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	930624	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	760360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	274536	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	401946	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
35) Dibromofluoromethane	7.59	113	360699	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	
50) Toluene-d8	10.09	98	1238389	43.50	ug/l	0.00
Spiked Amount			Recovery	=	87.00%	
62) 4-Bromofluorobenzene	12.40	95	332034	33.87	ug/l	0.00
Spiked Amount			Recovery	=	67.74%	

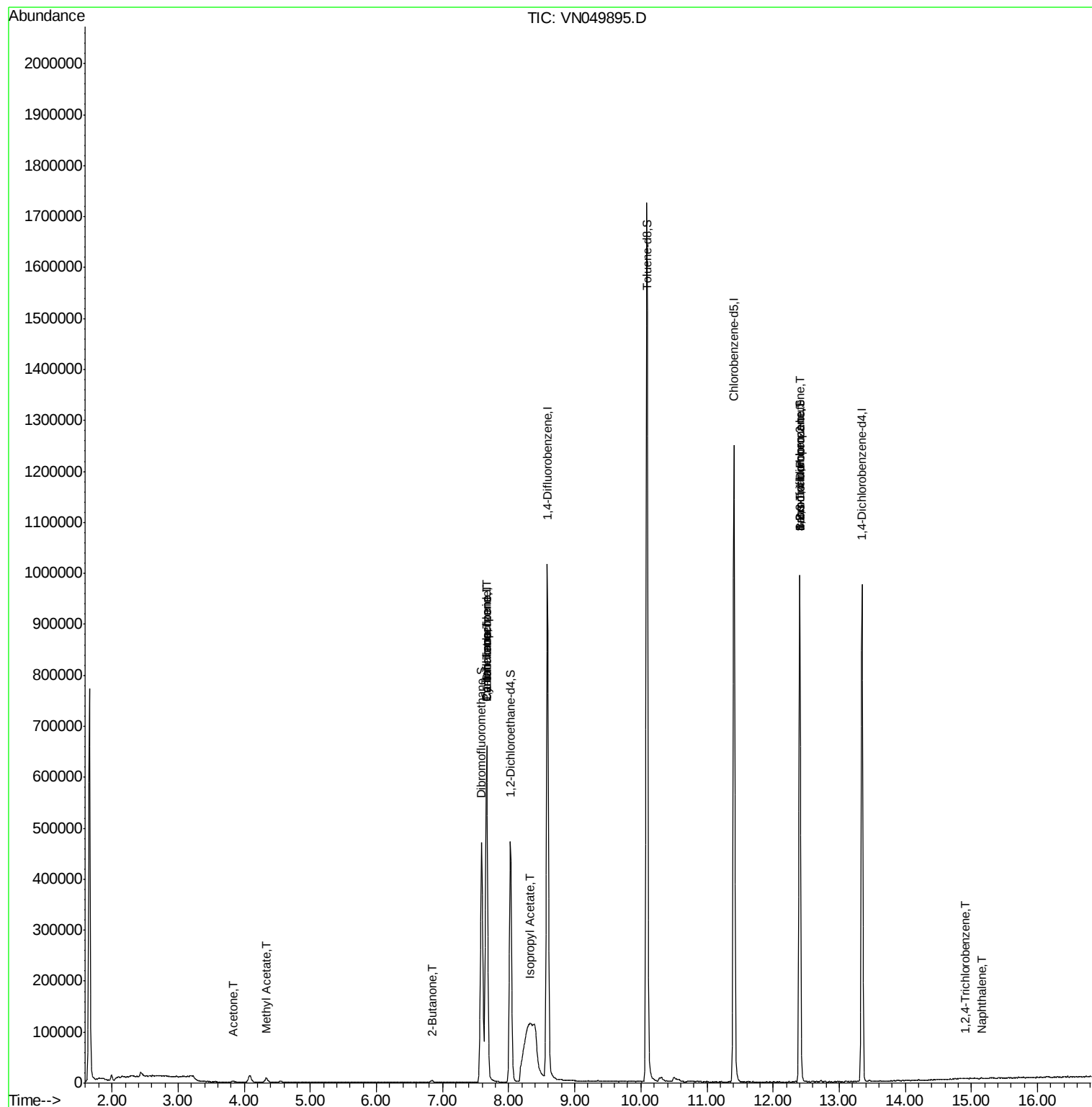
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	337	Below Cal	#	31
16) Acetone	3.83	43	3929	1.98	ug/l	100
18) Methyl Acetate	4.34	43	16304	1.81	ug/l #	89
25) 2-Butanone	6.84	43	598	0.21	ug/l #	47
31) Cyclohexane	7.66	56	10887	1.06	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	40754	3.94	ug/l #	49
38) Carbon Tetrachloride	7.66	117	51284	4.63	ug/l #	16
43) Isopropyl Acetate	8.31	43	236541	19.05	ug/l #	63
71) Bromoform	12.41	173	3271	0.62	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	160778	31.22	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	160778	97.62	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.90	180	61	3.49	ug/l #	82
95) Naphthalene	15.14	128	349	4.52	ug/l #	69

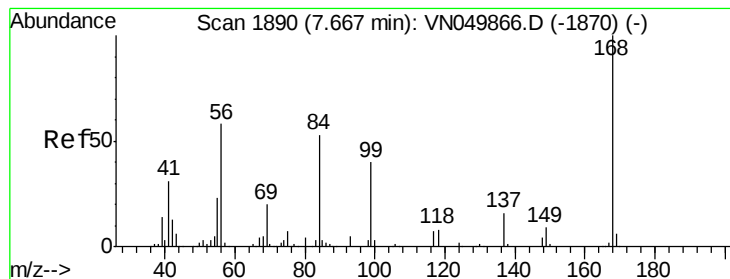
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 18 13:09:48 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049895.D

Acq: 19 Jul 2018 1:51

Instrument :

MSVOA_N

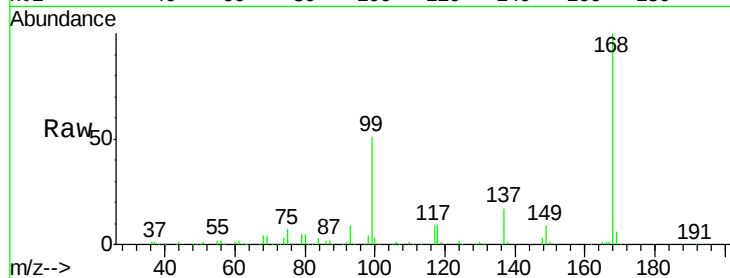
ClientSampled :

Tot Ion:168 Resp: 558626

Ion Ratio Lower Upper

168 100

99 50.6 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

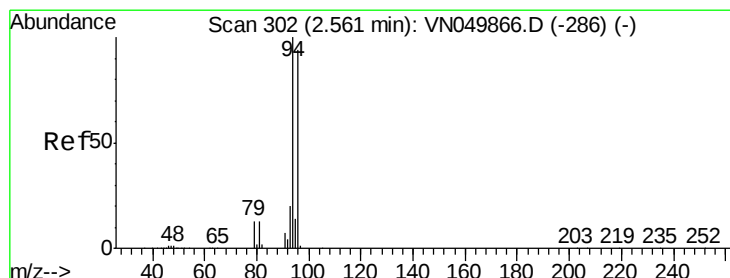
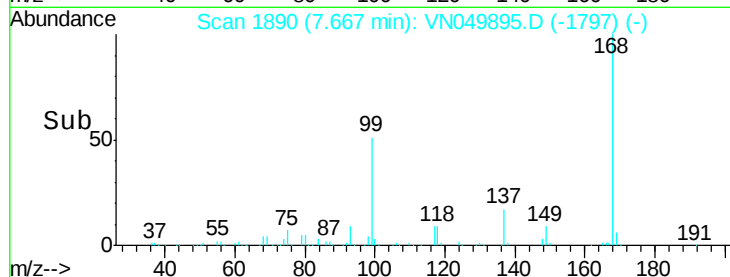
100000

50000

0

7.60 7.70

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049895.D

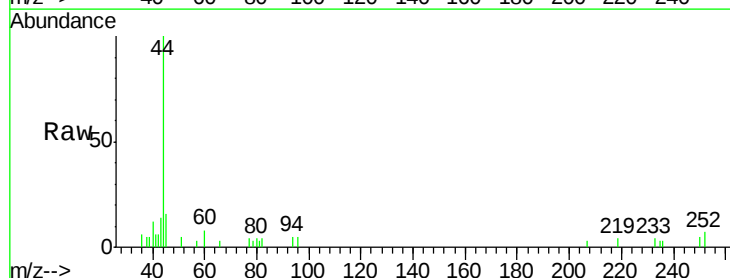
Acq: 19 Jul 2018 1:51

Tgt Ion: 94 Resp: 337

Ion Ratio Lower Upper

94 100

96 28.2 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

500

400

300

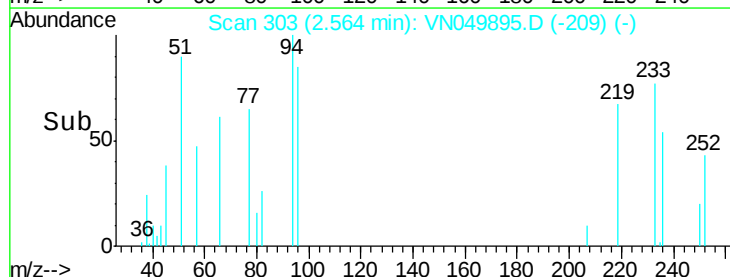
200

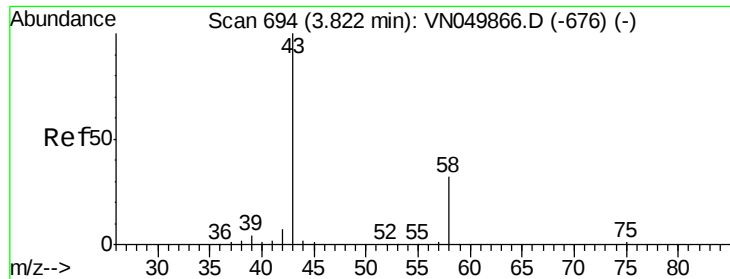
100

0

2.54 2.55 2.56 2.57 2.58

Time-->





#16

Acetone

Concen: 1.98 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049895.D

Acq: 19 Jul 2018 1:51

Instrument :

MSVOA_N

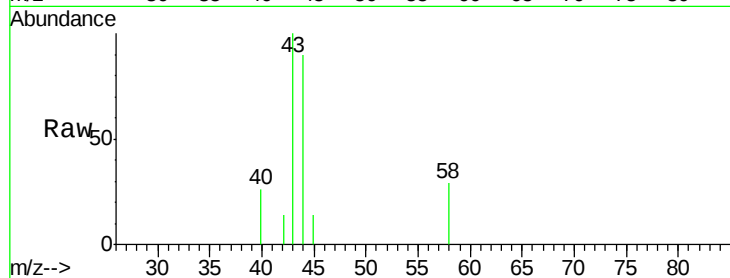
ClientSampleId :

Tot Ion: 43 Resp: 3929

Ion Ratio Lower Upper

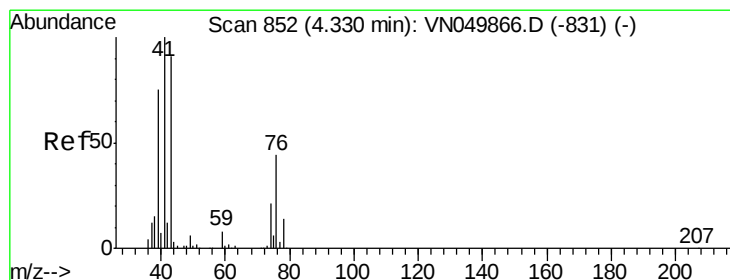
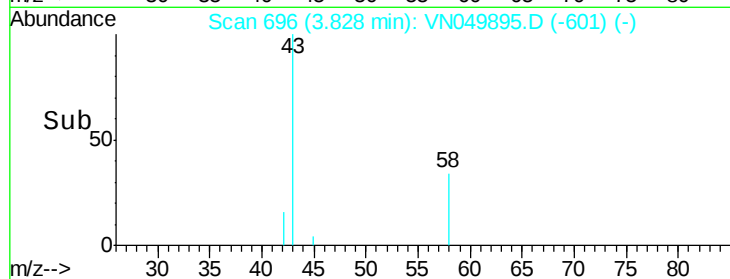
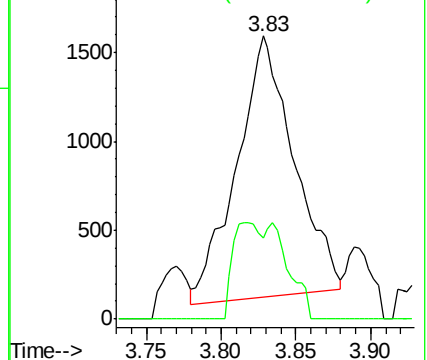
43 100

58 32.1 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.81 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049895.D

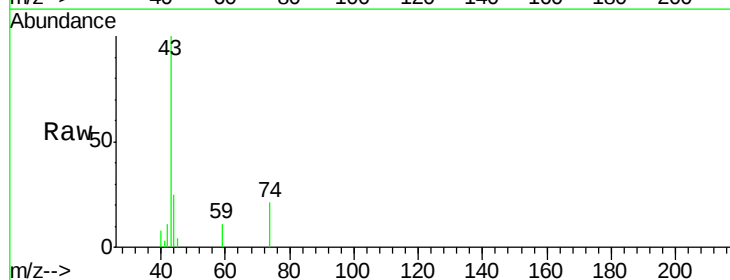
Acq: 19 Jul 2018 1:51

Tgt Ion: 43 Resp: 16304

Ion Ratio Lower Upper

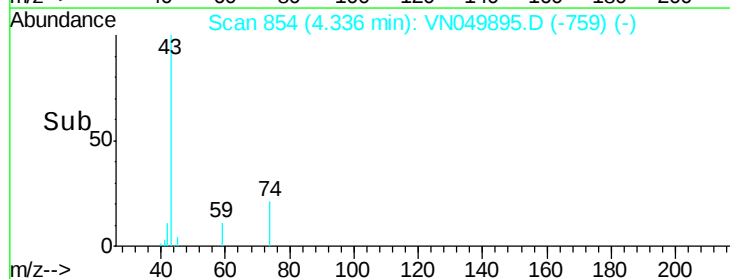
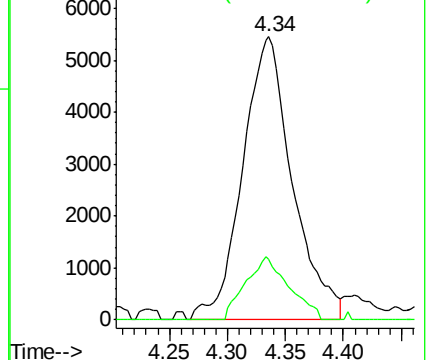
43 100

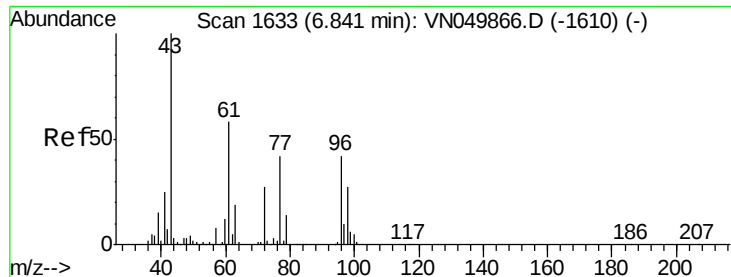
74 19.4 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#25

2-Butanone

Concen: 0.21 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049895.D

Acq: 19 Jul 2018 1:51

Instrument :

MSVOA_N

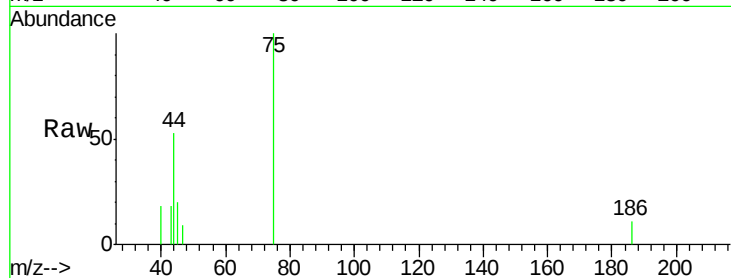
ClientSampled :

Tot Ion: 43 Resp: 598

Ion Ratio Lower Upper

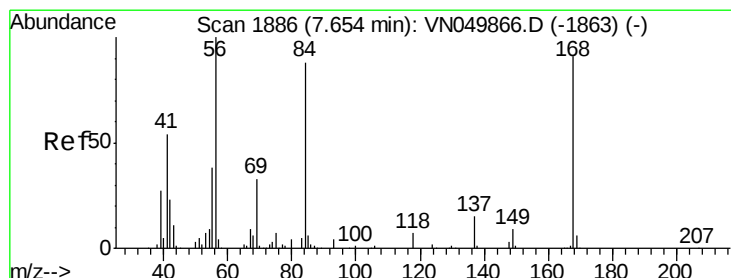
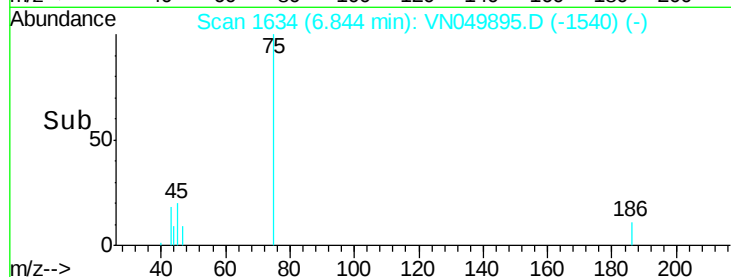
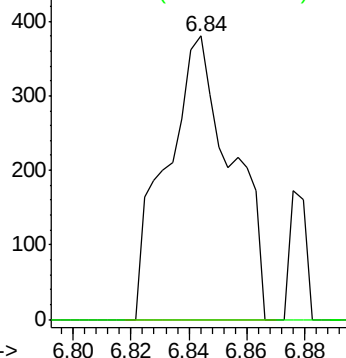
43 100

72 0.0 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 1.06 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN049895.D

Acq: 19 Jul 2018 1:51

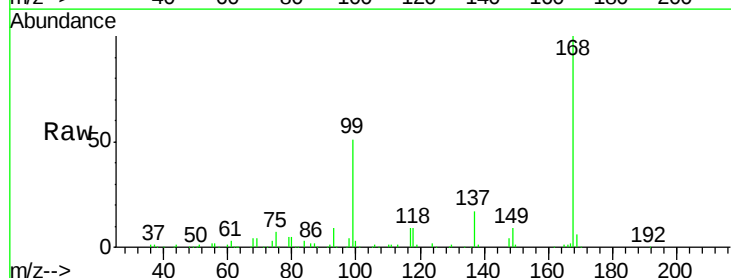
Tgt Ion: 56 Resp: 10887

Ion Ratio Lower Upper

56 100

69 186.6 26.6 40.0#

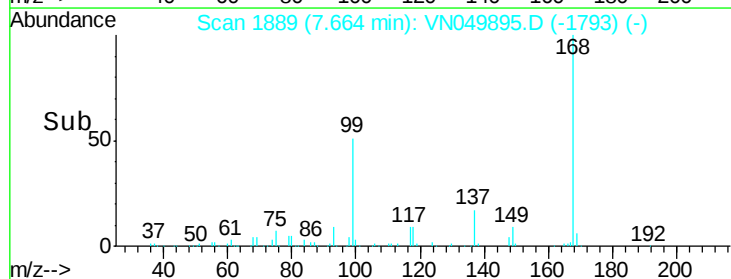
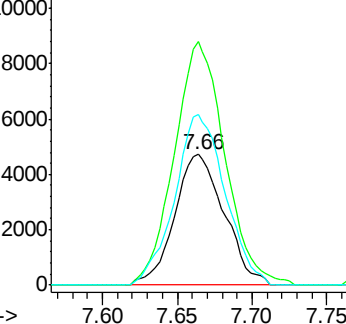
84 130.8 69.0 103.6#

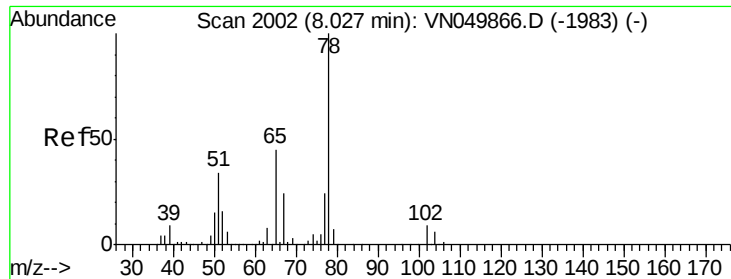


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 52.35 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049895.D

Acq: 19 Jul 2018 1:51

Instrument :

MSVOA_N

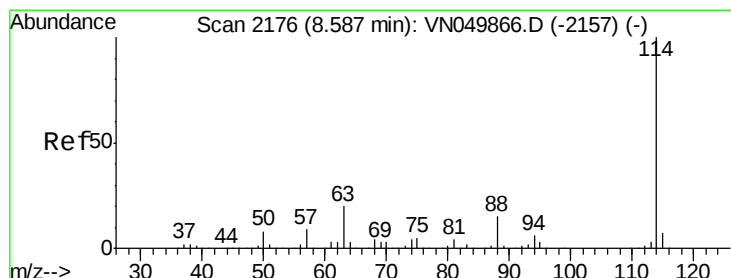
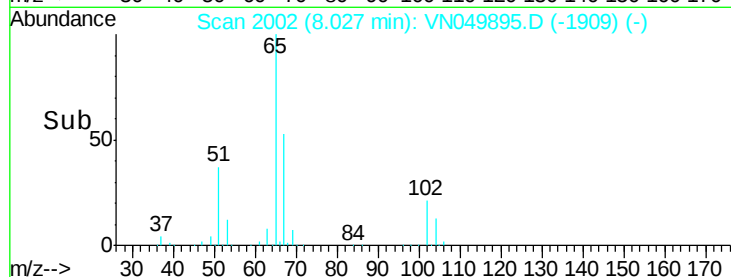
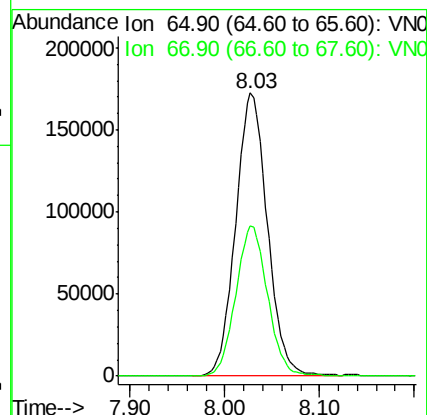
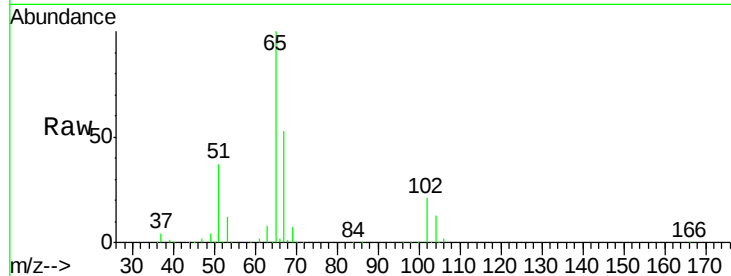
ClientSampleId :

Tot Ion: 65 Resp: 401946

Ion Ratio Lower Upper

65 100

67 53.4 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049895.D

Acq: 19 Jul 2018 1:51

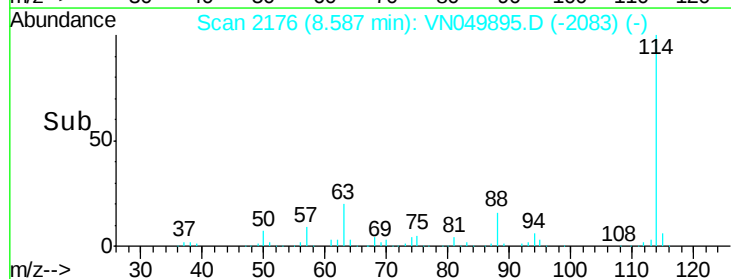
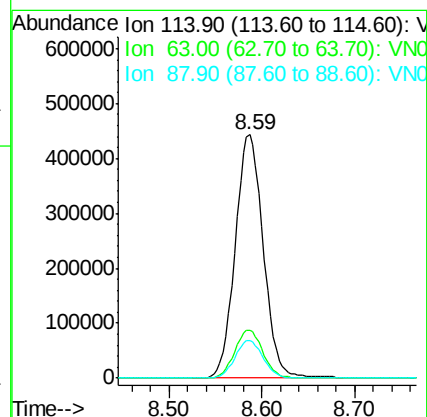
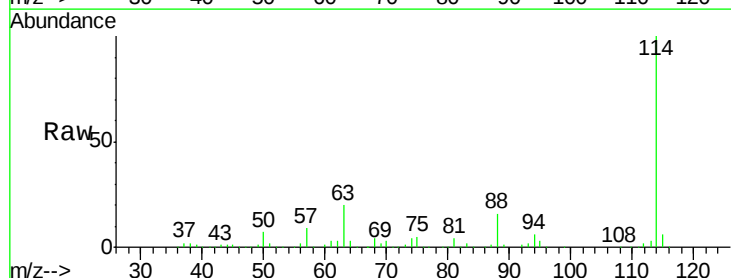
Tgt Ion: 114 Resp: 930624

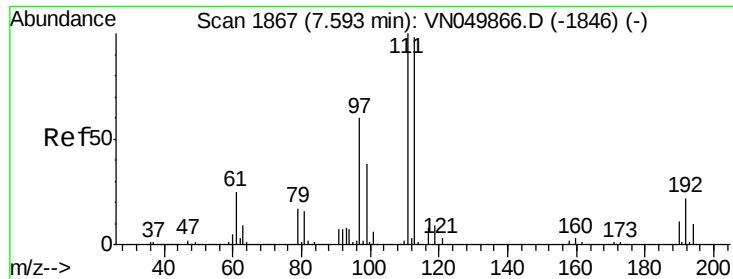
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.8

88 15.5 0.0 30.6

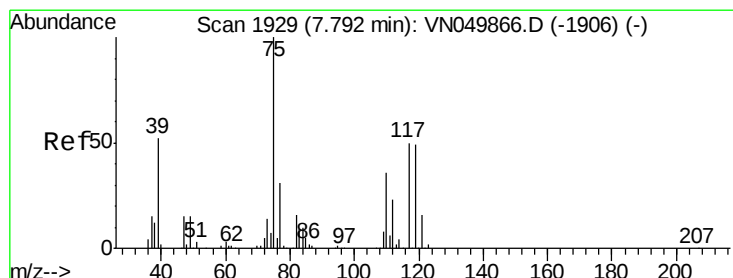
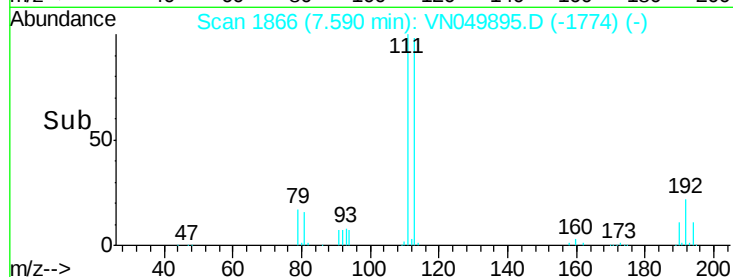
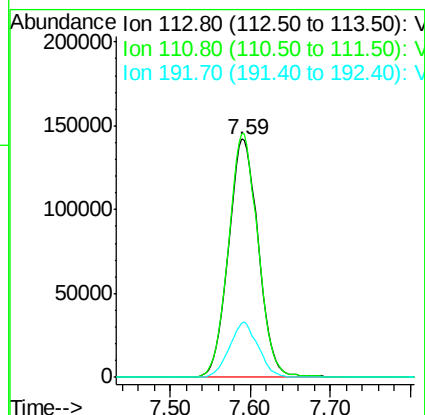
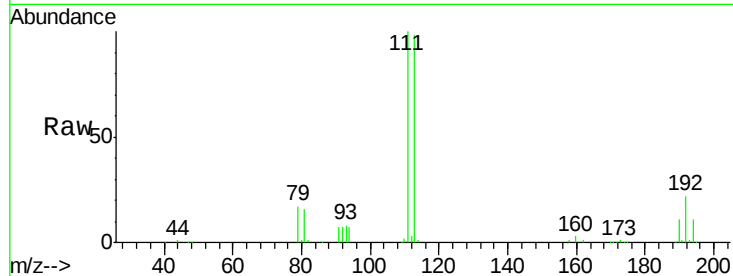




#35
 Dibromofluoromethane
 Concen: 46.17 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049895.D
 Acq: 19 Jul 2018 1:51

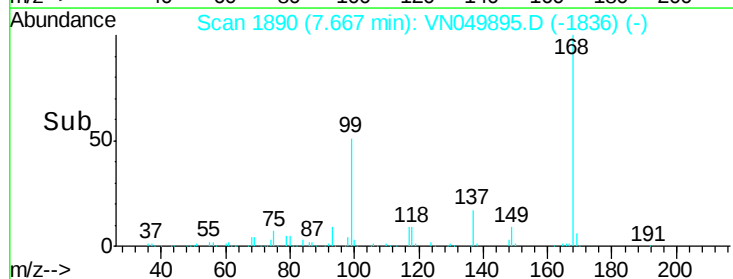
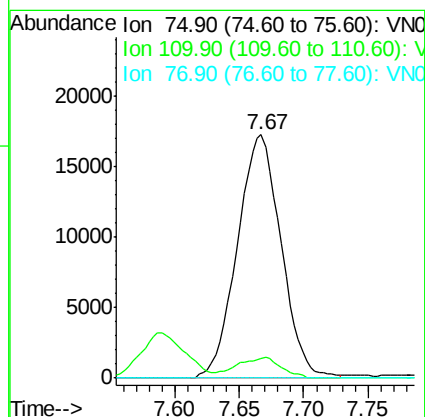
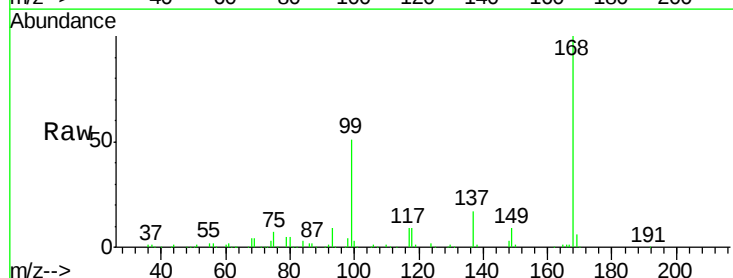
Instrument :
 MSVOA_N
 ClientSampleId :

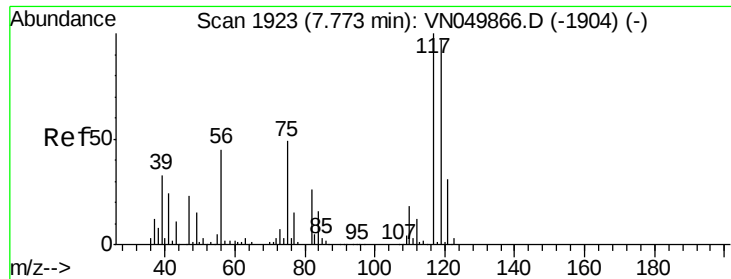
Tot Ion:113 Resp: 360699
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.8 122.8
 192 22.3 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.94 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049895.D
 Acq: 19 Jul 2018 1:51

Tgt Ion: 75 Resp: 40754
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.1 54.4#
 77 0.0 24.9 37.3#

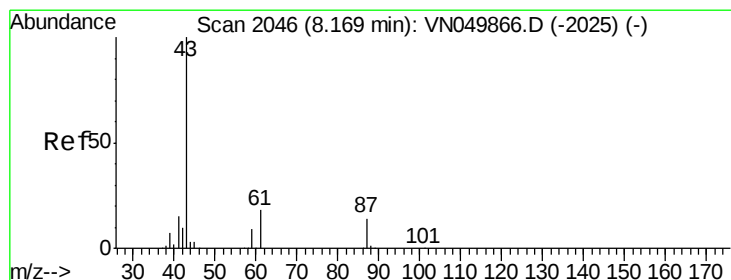
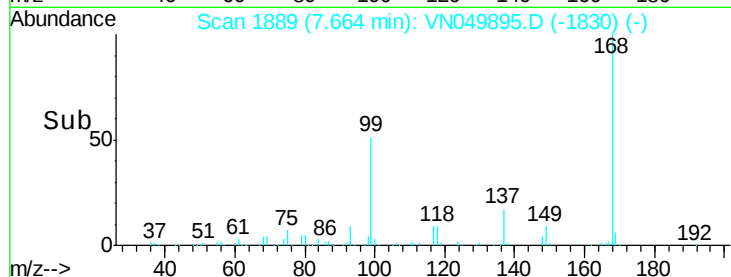
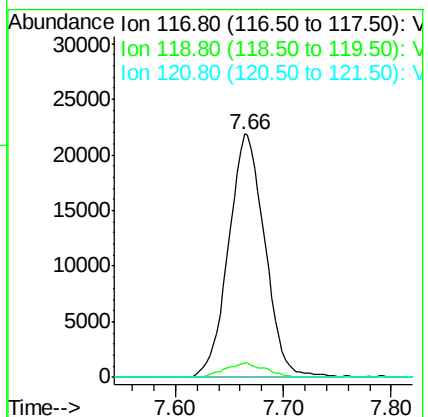
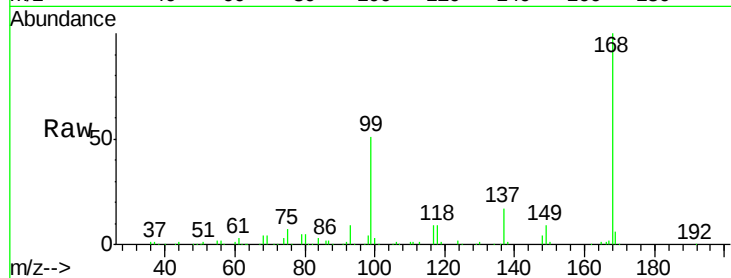




#38
Carbon Tetrachloride
Concen: 4.63 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. -0.11 min
Lab File: VN049895.D
Acq: 19 Jul 2018 1:51

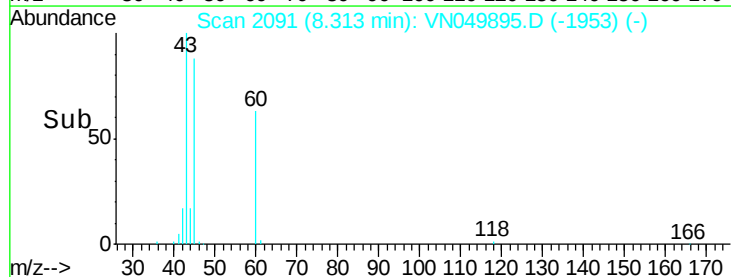
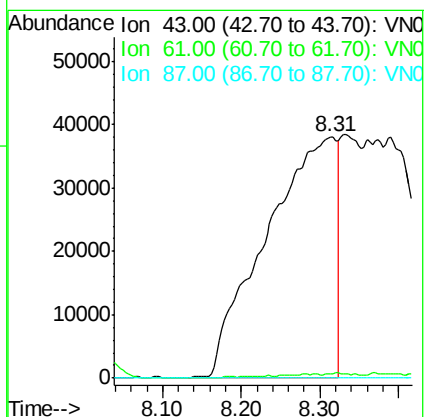
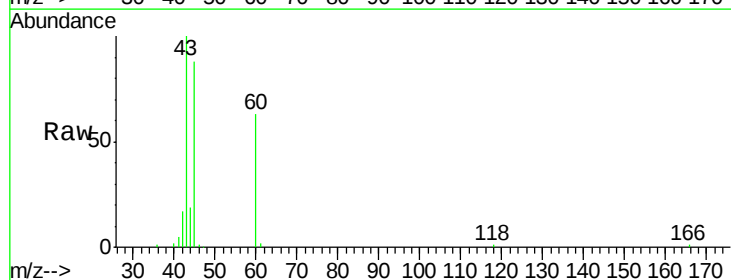
Instrument :
MSVOA_N
ClientSampled :

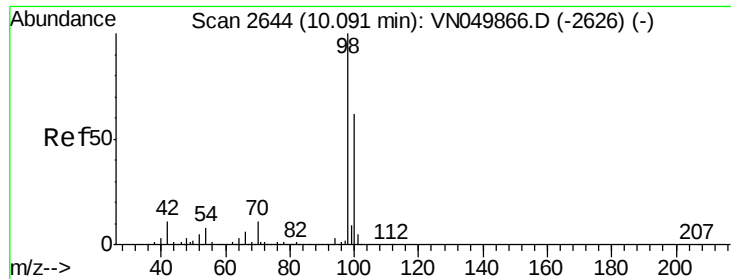
Tot Ion:117 Resp: 51284
Ion Ratio Lower Upper
117 100
119 6.0 77.2 115.8#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 19.05 ug/l
RT: 8.31 min Scan# 2091
Delta R.T. 0.14 min
Lab File: VN049895.D
Acq: 19 Jul 2018 1:51

Tgt Ion: 43 Resp: 236541
Ion Ratio Lower Upper
43 100
61 0.3 14.9 22.3#
87 0.0 10.0 15.0#





#50

Toluene-d8

Concen: 43.50 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049895.D

Acq: 19 Jul 2018 1:51

Instrument :

MSVOA_N

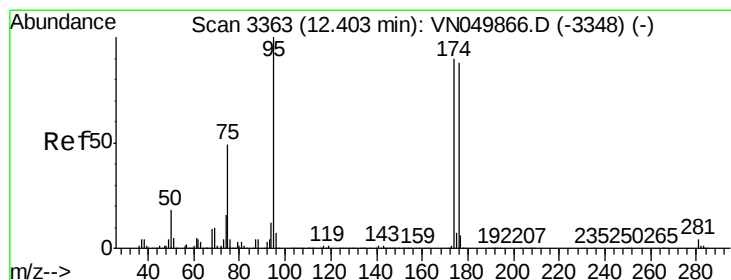
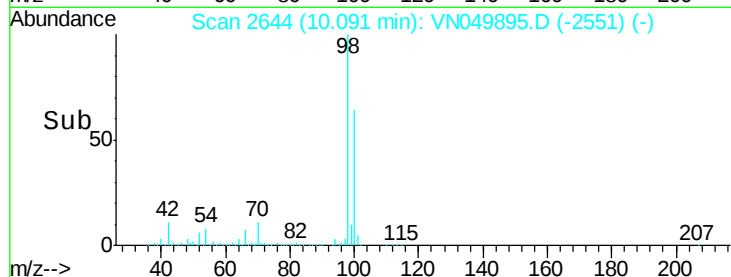
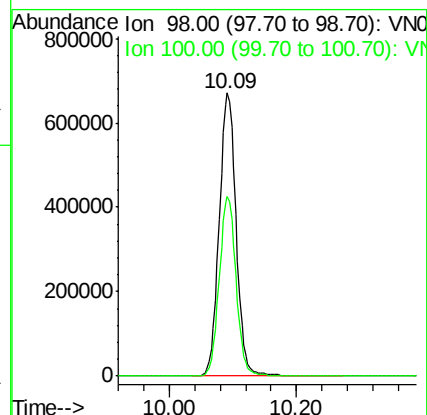
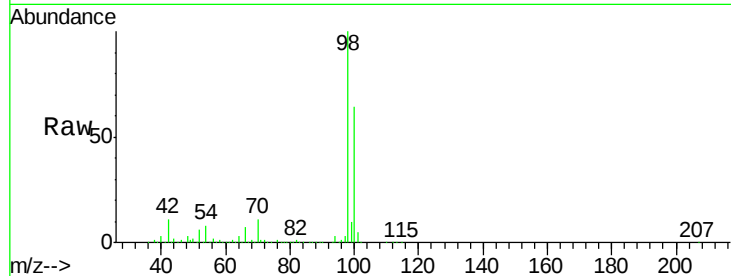
ClientSampleId :

Tot Ion: 98 Resp: 1238389

Ion Ratio Lower Upper

98 100

100 63.2 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 33.87 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049895.D

Acq: 19 Jul 2018 1:51

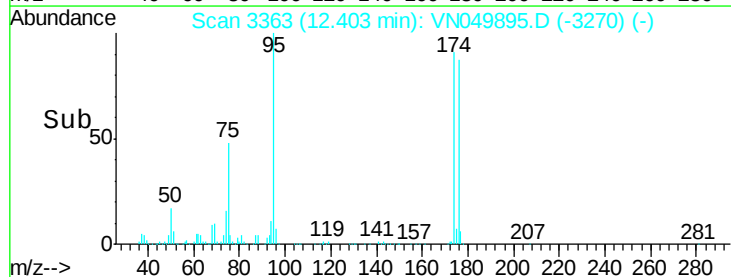
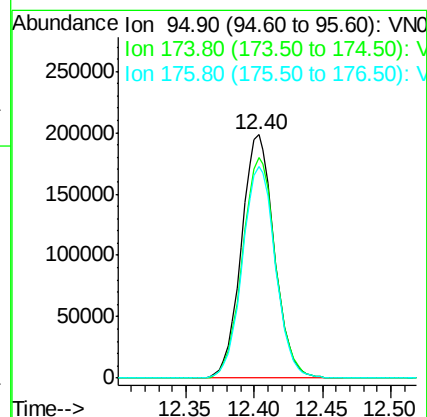
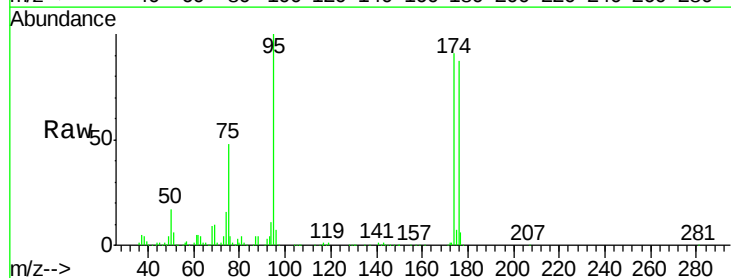
Tgt Ion: 95 Resp: 332034

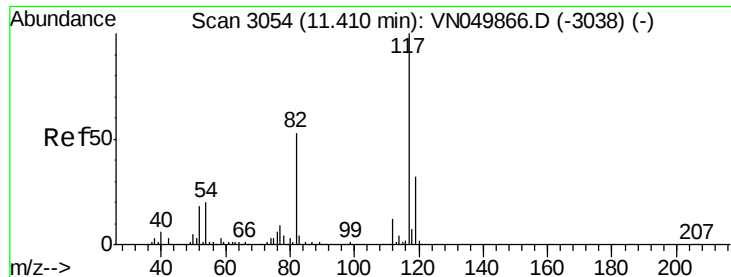
Ion Ratio Lower Upper

95 100

174 91.4 0.0 179.6

176 87.5 0.0 174.0

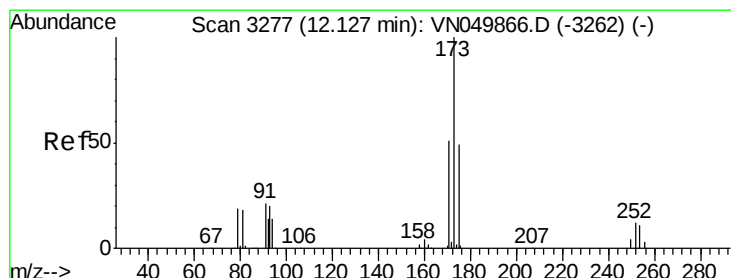
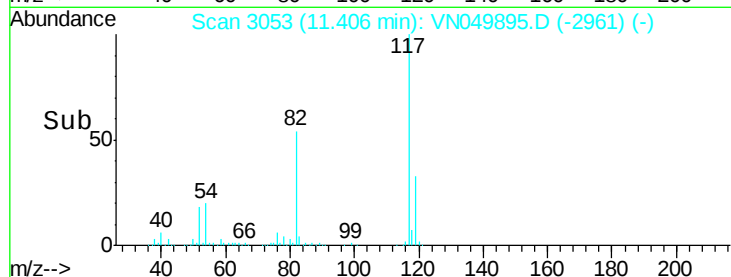
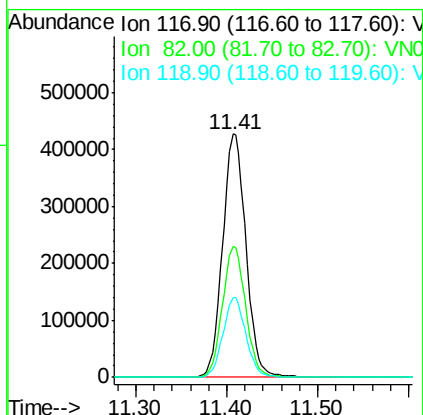
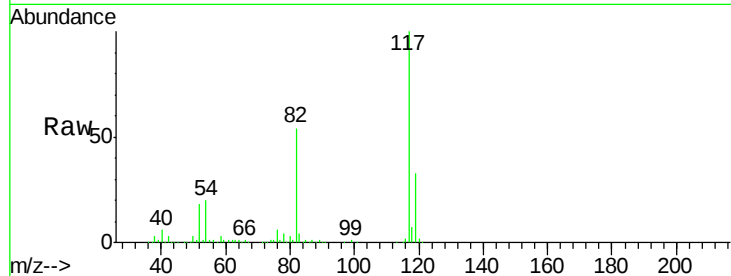




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN049895.D
Acq: 19 Jul 2018 1:51

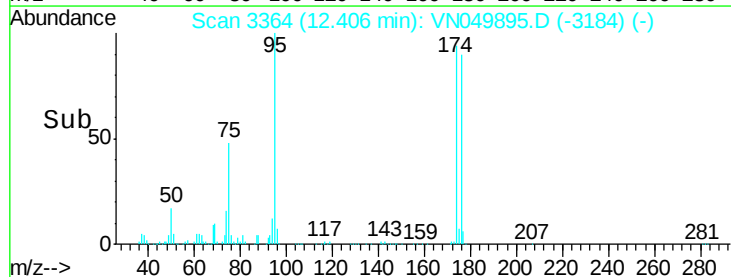
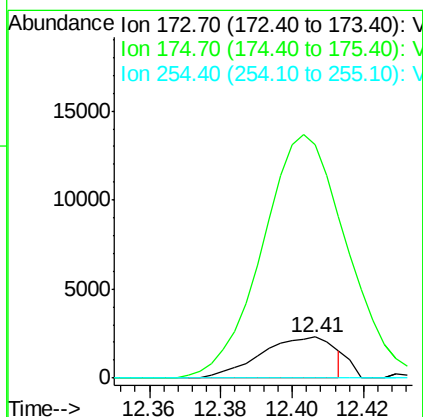
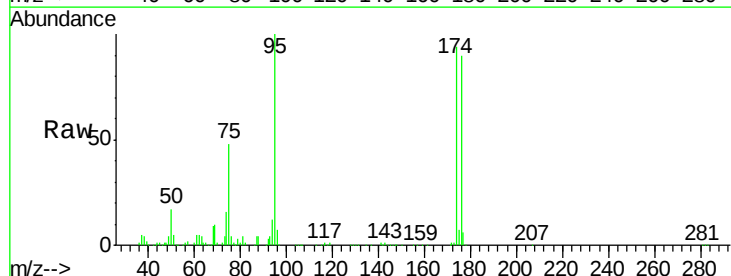
Instrument :
MSVOA_N
ClientSampled :

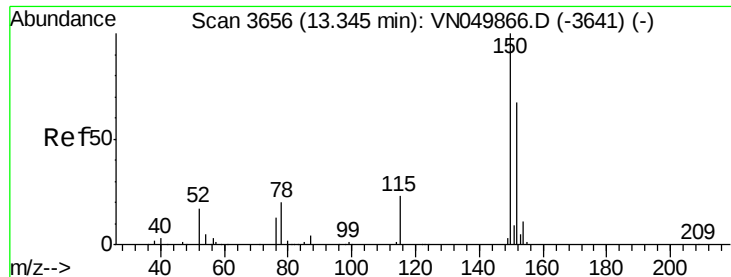
Tot Ion:117 Resp: 760360
Ion Ratio Lower Upper
117 100
82 53.9 41.9 62.9
119 32.6 25.4 38.2



#71
Bromoform
Concen: 0.62 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN049895.D
Acq: 19 Jul 2018 1:51

Tgt Ion:173 Resp: 3271
Ion Ratio Lower Upper
173 100
175 570.8 24.6 73.8#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049895.D

Acq: 19 Jul 2018 1:51

Instrument :

MSVOA_N

ClientSampleId :

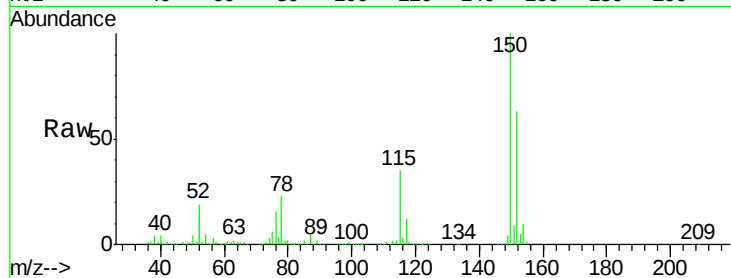
Tot Ion:152 Resp: 274536

Ion Ratio Lower Upper

152 100

115 55.9 28.1 84.2

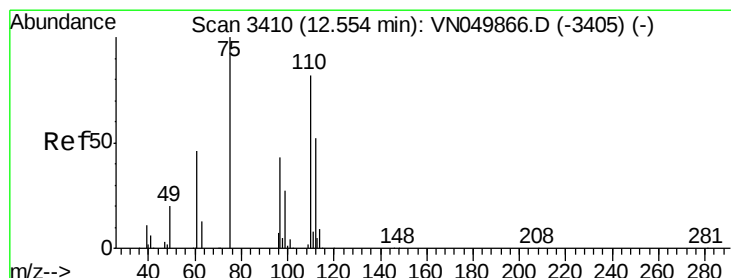
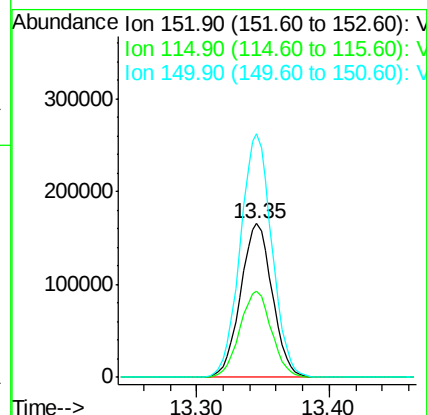
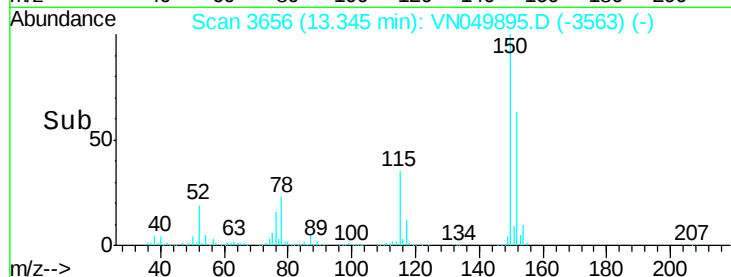
150 157.4 0.0 347.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 31.22 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049895.D

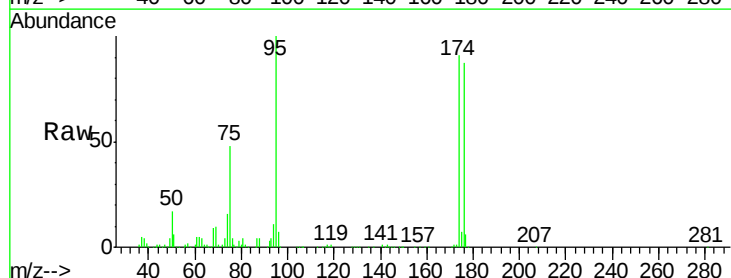
Acq: 19 Jul 2018 1:51

Tgt Ion: 75 Resp: 160778

Ion Ratio Lower Upper

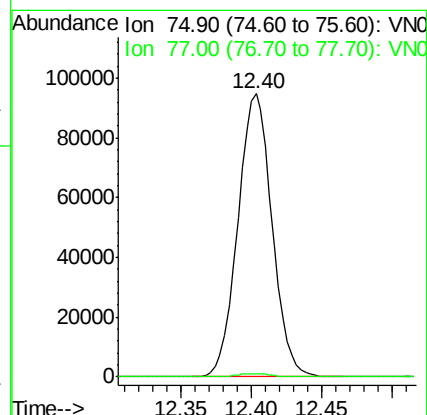
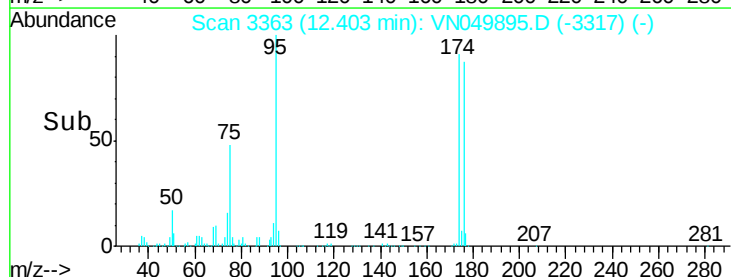
75 100

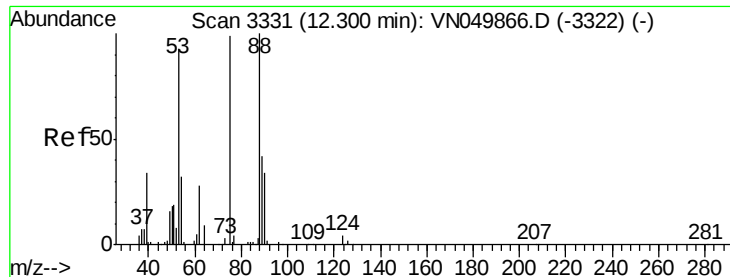
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 97.62 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049895.D

Acq: 19 Jul 2018 1:51

Instrument :

MSVOA_N

ClientSampleId :

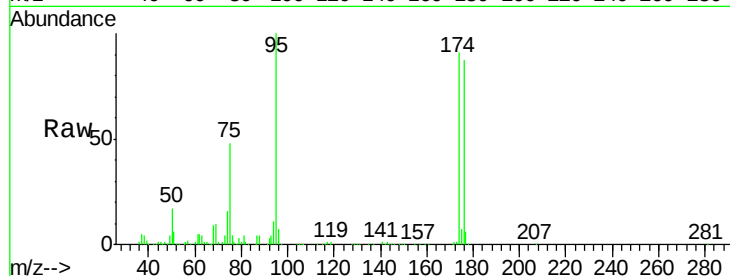
Tot Ion: 75 Resp: 160778

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

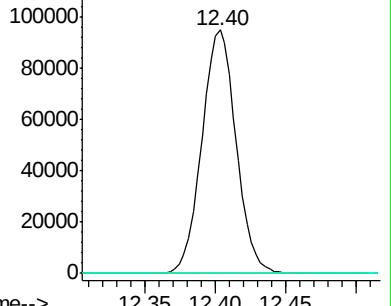
89 0.0 35.9 53.9#



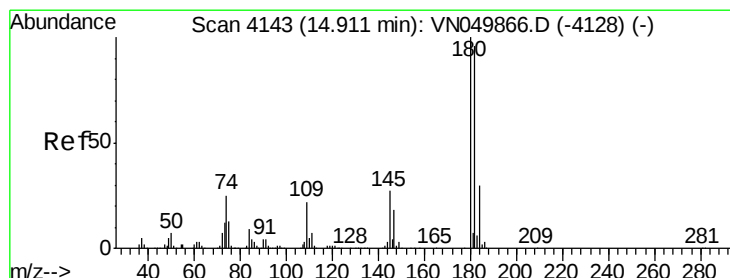
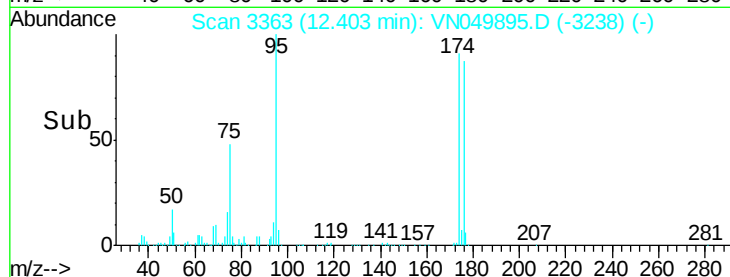
Abundance Ion 74.90 (74.60 to 75.60): VN049895.D (-3238) (-)

Ion 53.00 (52.70 to 53.70): VN049895.D (-3238) (-)

Ion 88.90 (88.60 to 89.60): VN049895.D (-3238) (-)



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.49 ug/l

RT: 14.90 min Scan# 4141

Delta R.T. -0.01 min

Lab File: VN049895.D

Acq: 19 Jul 2018 1:51

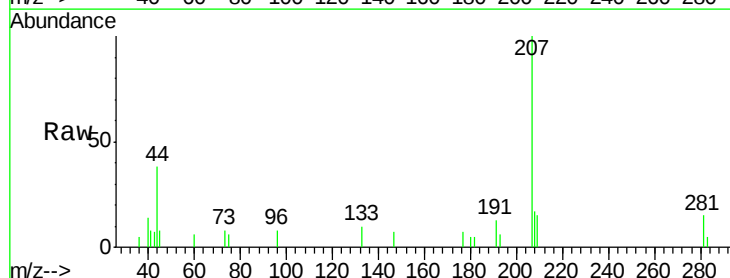
Tgt Ion: 180 Resp: 61

Ion Ratio Lower Upper

180 100

182 101.6 47.3 141.9

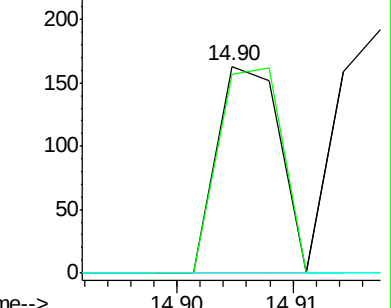
145 0.0 14.4 43.0#



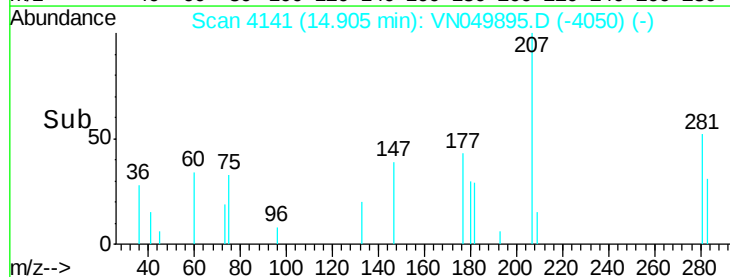
Abundance Ion 179.80 (179.50 to 180.50): VN049895.D (-4050) (-)

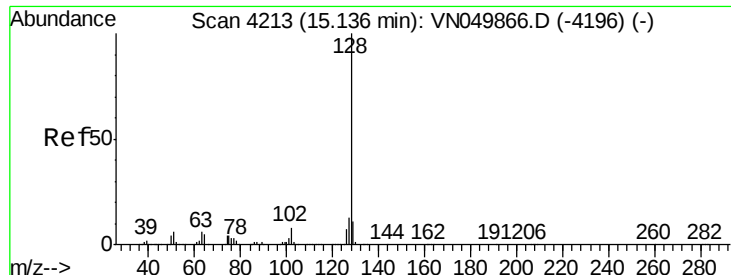
Ion 181.80 (181.50 to 182.50): VN049895.D (-4050) (-)

Ion 144.80 (144.50 to 145.50): VN049895.D (-4050) (-)



Time-->





#95
Naphthalene
Concen: 4.52 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN049895.D
Acq: 19 Jul 2018 1:51

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.6	13.0#

