

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020619\
 Data File : VN053625.D
 Acq On : 6 Feb 2019 10:47
 Operator : JC/SP
 Sample : VN0206WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBL01

Quant Time: Feb 07 03:38:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	694659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1113631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1004792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	396461	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	357283	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
35) Dibromofluoromethane	7.59	113	353839	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
50) Toluene-d8	10.09	98	1335508	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.40	95	430138	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	

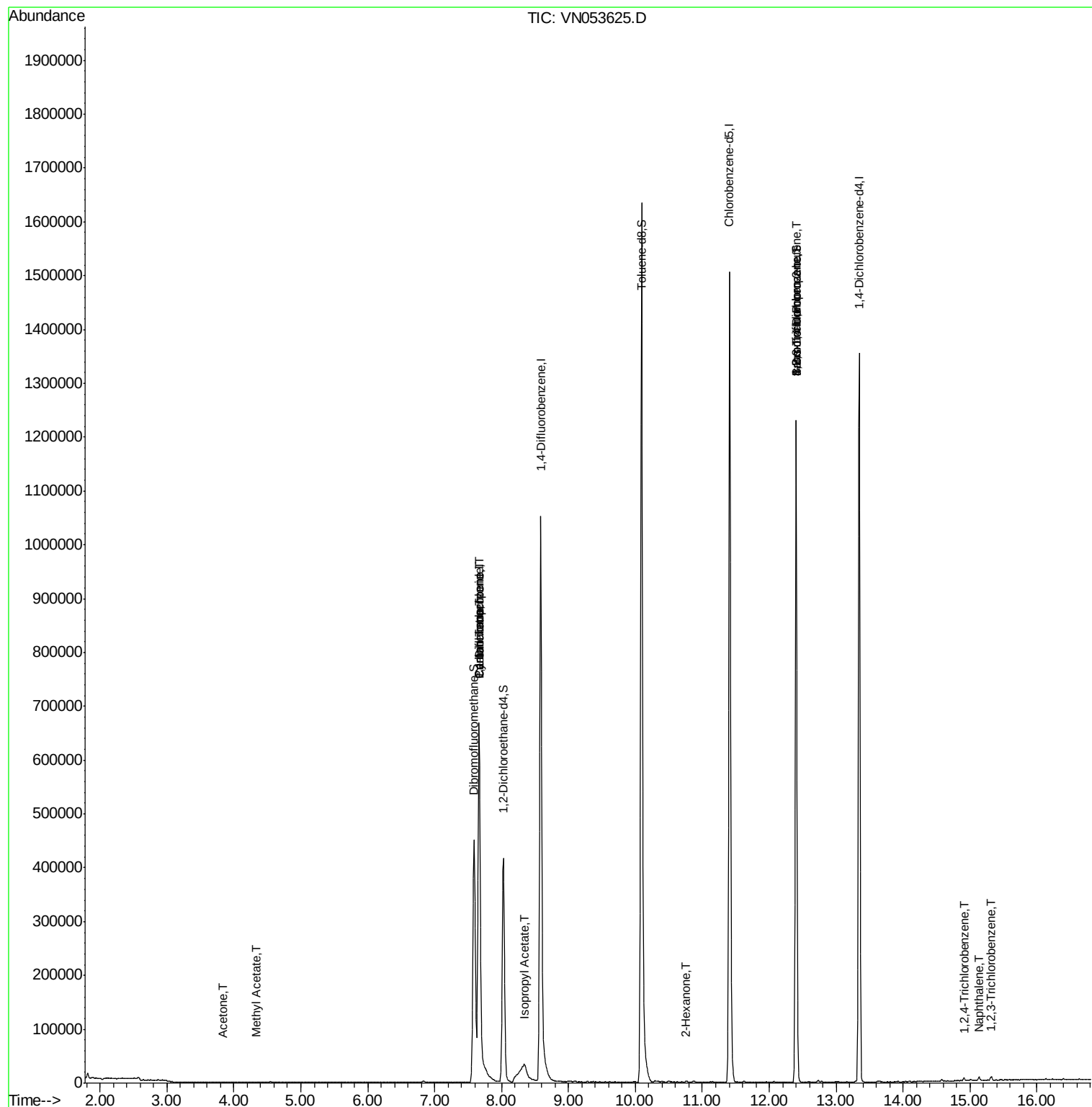
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	538	0.301	ug/l #	41
18) Methyl Acetate	4.33	43	2078	0.393	ug/l #	57
31) Cyclohexane	7.66	56	9489	0.638	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	39871	3.972	ug/l #	49
38) Carbon Tetrachloride	7.66	117	54585	5.398	ug/l #	15
43) Isopropyl Acetate	8.33	43	93872	8.670	ug/l #	52
59) 2-Hexanone	10.76	43	1198	0.332	ug/l	85
71) Bromoform	12.40	173	3250	0.636	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	198418	38.964	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	198418	109.565	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	2338	0.315	ug/l	97
95) Naphthalene	15.14	128	6199	2.080	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	3255	0.473	ug/l	98

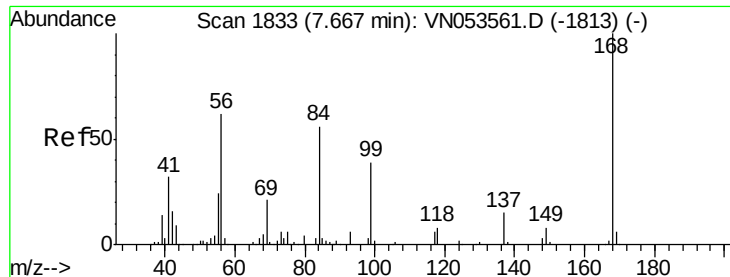
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 07 03:38:48 2019
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Quant Title : SW846 8260
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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: VN053625.D

Acq: 6 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

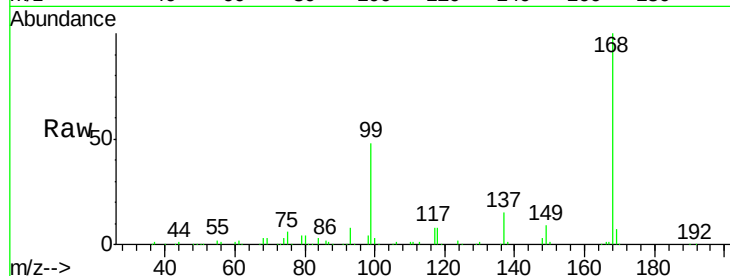
VN0206WBL01

Tot Ion:168 Resp: 694659

Ion Ratio Lower Upper

168 100

99 48.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

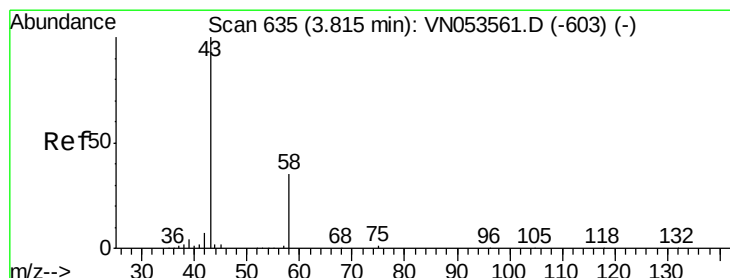
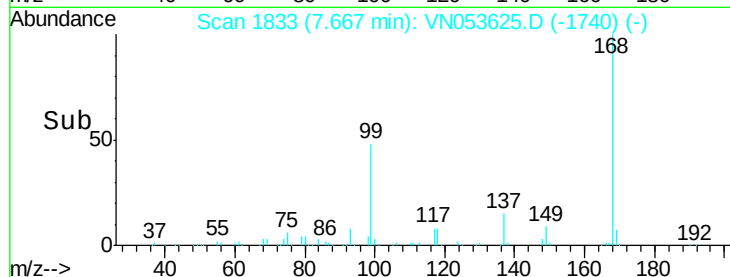
100000

50000

0

Time-->

7.60 7.80



#16

Acetone

Concen: 0.301 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053625.D

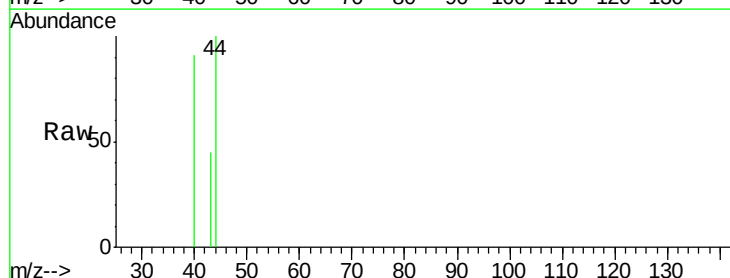
Acq: 6 Feb 2019 10:47

Tgt Ion: 43 Resp: 538

Ion Ratio Lower Upper

43 100

58 0.0 27.1 40.7#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

400

300

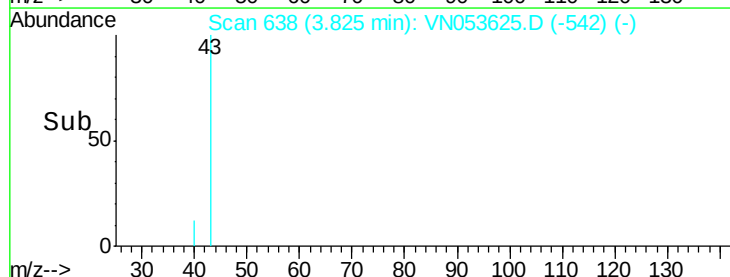
200

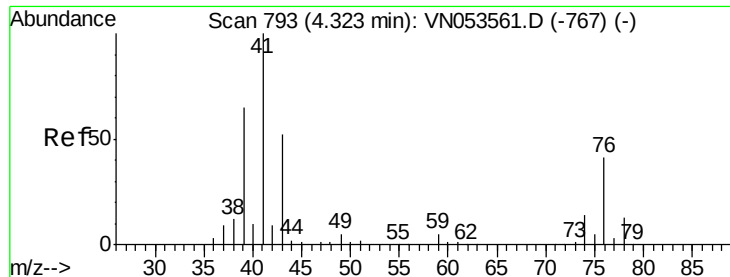
100

0

Time-->

3.80 3.82 3.84

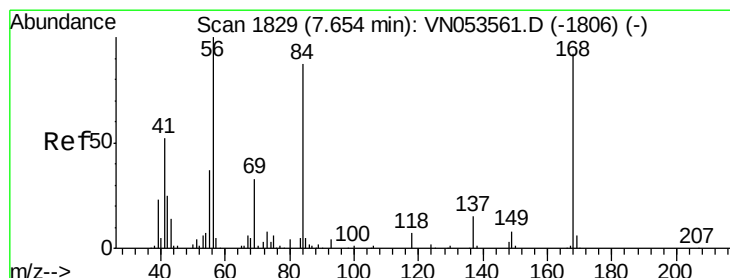
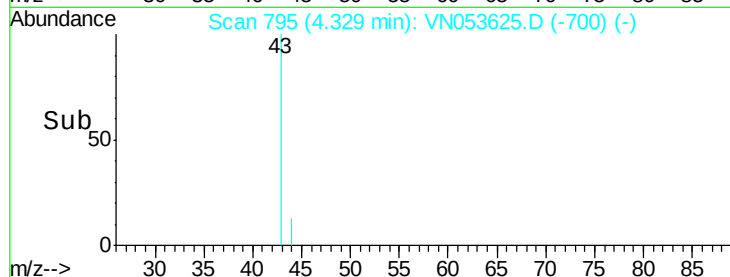
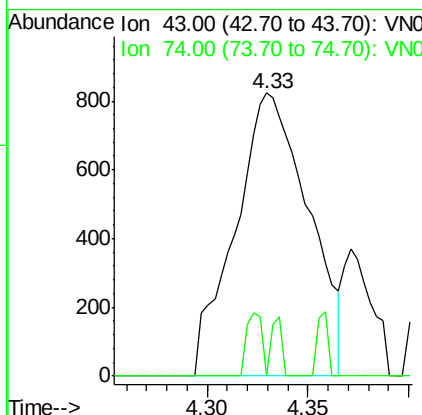
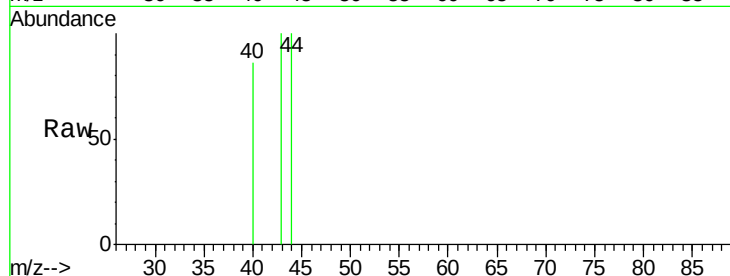




#18
Methvl Acetate
Concen: 0.393 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053625.D
Acq: 6 Feb 2019 10:47

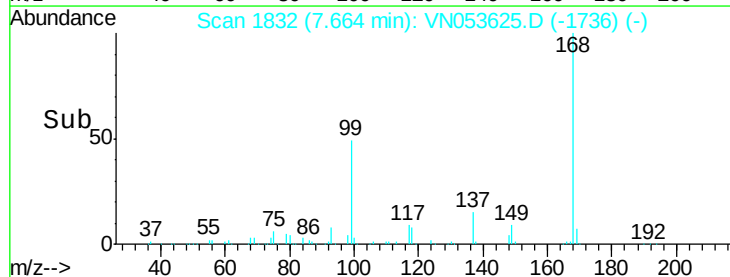
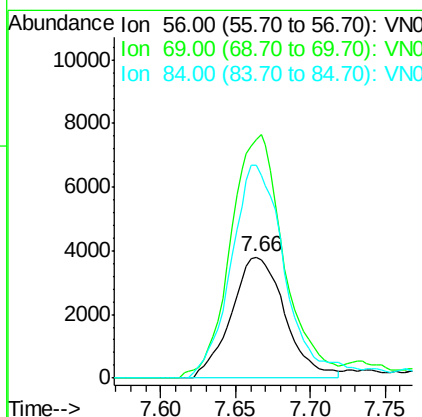
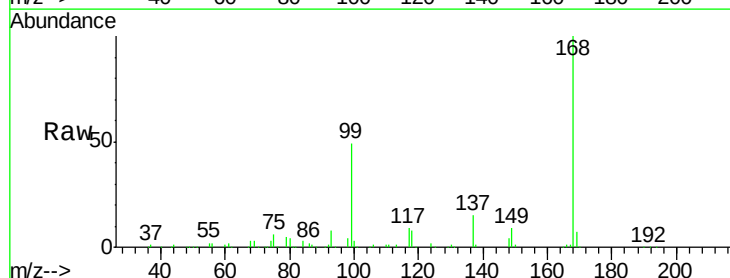
Instrument :
MSVOA_N
ClientSampleId :
VN0206WBL01

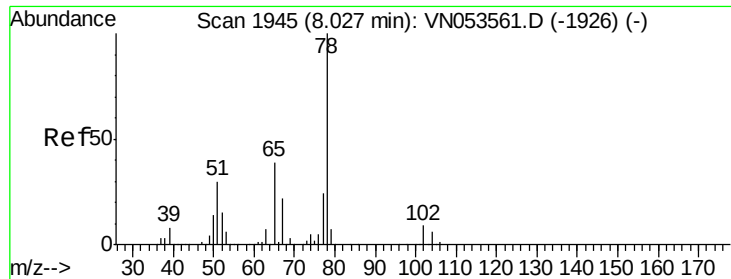
Tot Ion: 43 Resp: 2078
Ion Ratio Lower Upper
43 100
74 3.0 19.4 29.2#



#31
Cyclohexane
Concen: 0.638 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN053625.D
Acq: 6 Feb 2019 10:47

Tgt Ion: 56 Resp: 9489
Ion Ratio Lower Upper
56 100
69 190.8 26.4 39.6#
84 175.1 67.9 101.9#

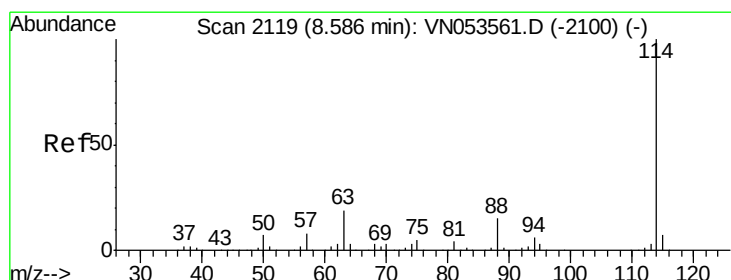
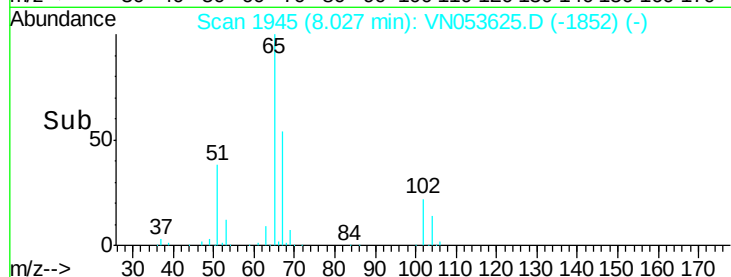
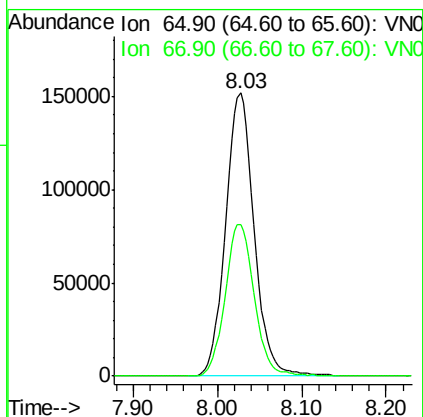
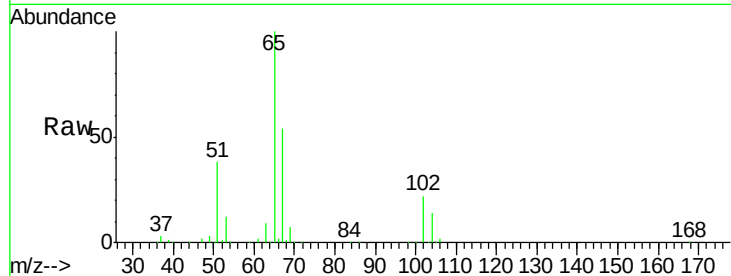




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053625.D
 Acq: 6 Feb 2019 10:47

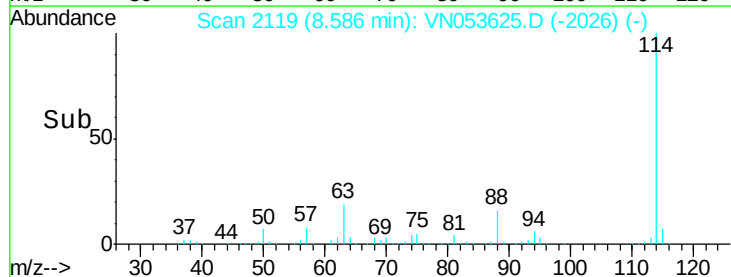
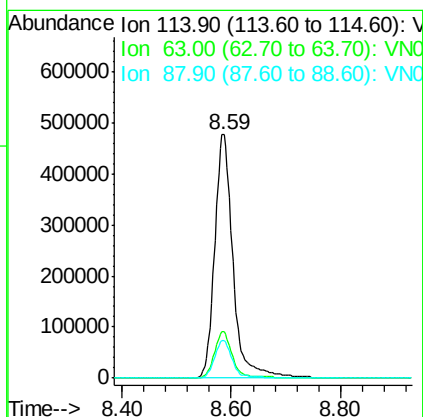
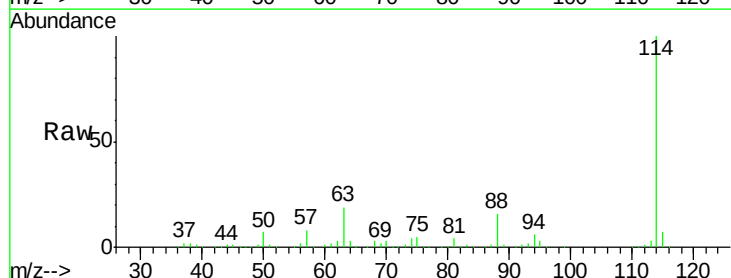
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBL01

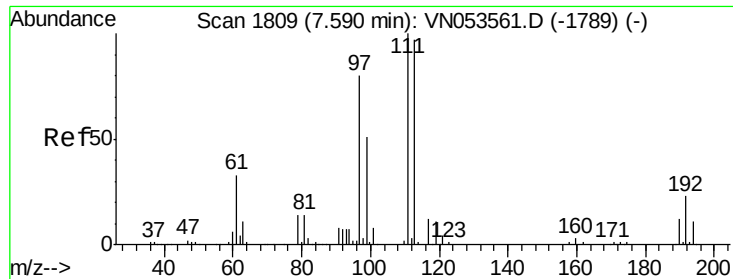
Tot Ion: 65 Resp: 357283
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053625.D
 Acq: 6 Feb 2019 10:47

Tgt Ion: 114 Resp: 1113631
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 15.5 0.0 30.4

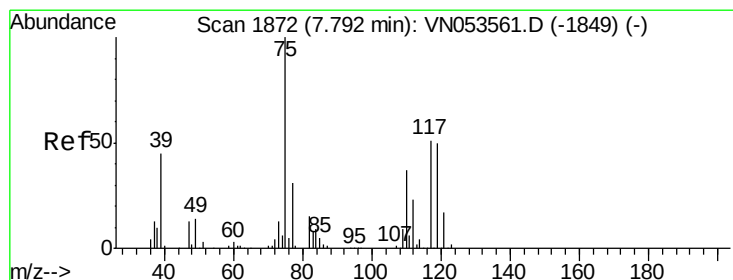
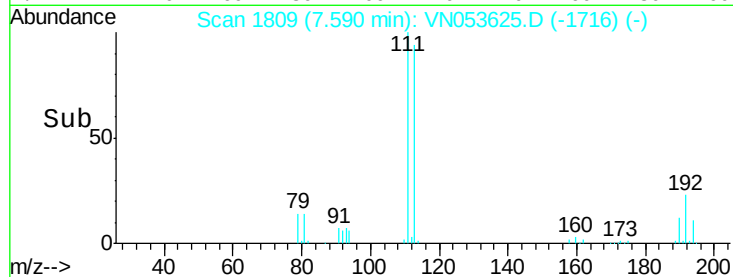
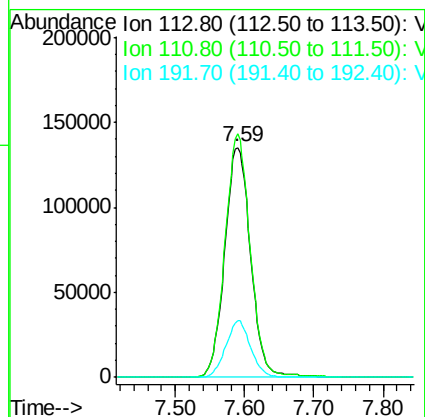
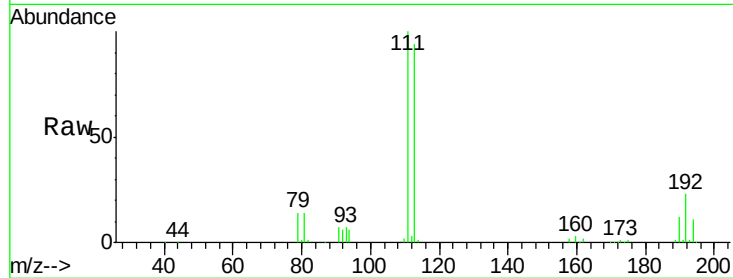




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053625.D
 Acq: 6 Feb 2019 10:47

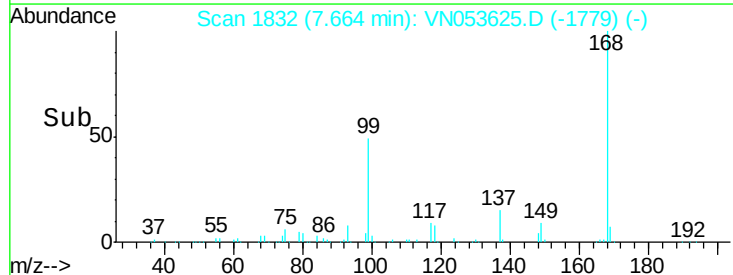
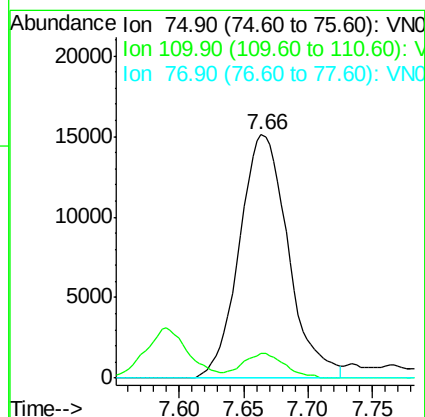
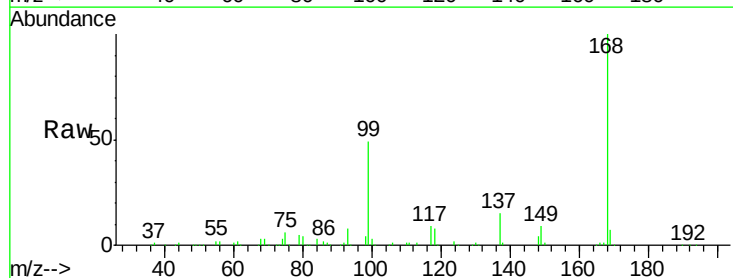
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBL01

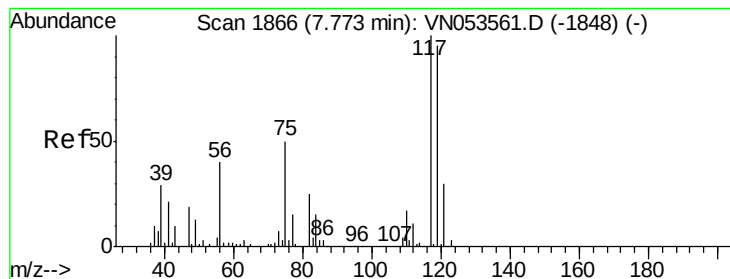
Tot Ion:113 Resp: 353839
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.1 121.7
 192 23.7 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 3.972 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053625.D
 Acq: 6 Feb 2019 10:47

Tgt Ion: 75 Resp: 39871
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.1 54.3#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.398 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053625.D

Acq: 6 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

VN0206WBL01

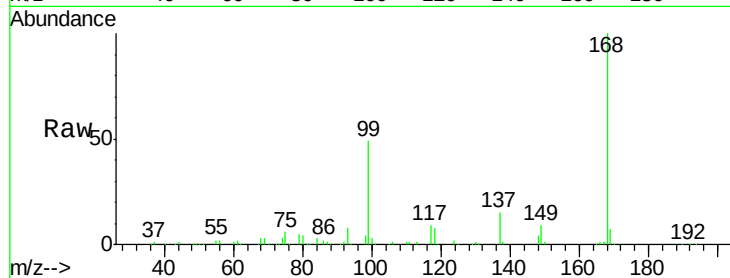
Tot Ion:117 Resp: 54585

Ion Ratio Lower Upper

117 100

119 4.3 77.2 115.8#

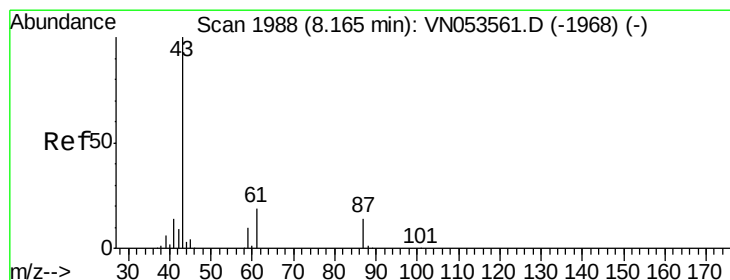
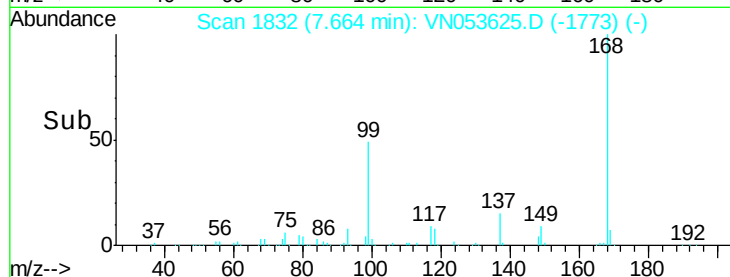
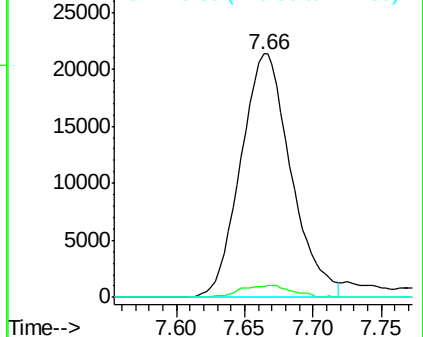
121 0.0 24.6 37.0#



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: 8.670 ug/l

RT: 8.33 min Scan# 2039

Delta R.T. 0.16 min

Lab File: VN053625.D

Acq: 6 Feb 2019 10:47

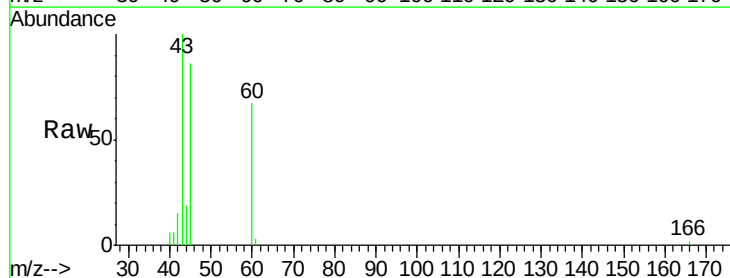
Tgt Ion: 43 Resp: 93872

Ion Ratio Lower Upper

43 100

61 0.6 23.9 35.9#

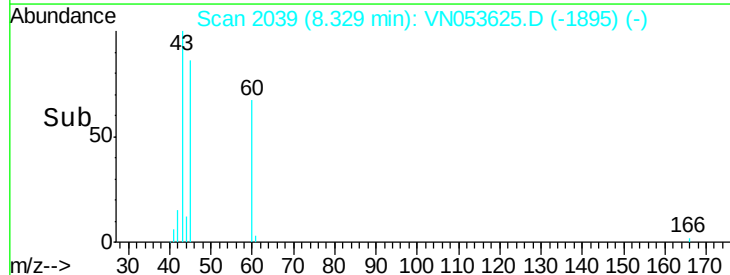
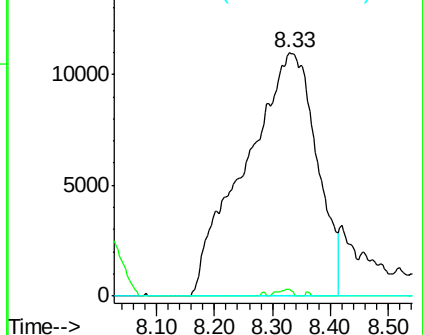
87 0.0 11.0 16.6#

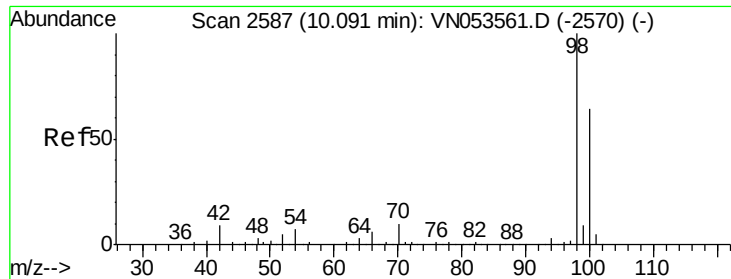


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053625.D

Acq: 6 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

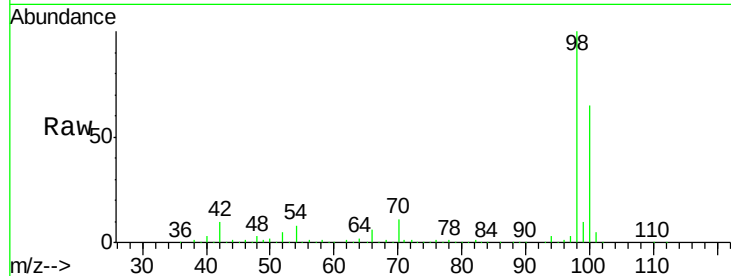
VN0206WBL01

Tot Ion: 98 Resp: 1335508

Ion Ratio Lower Upper

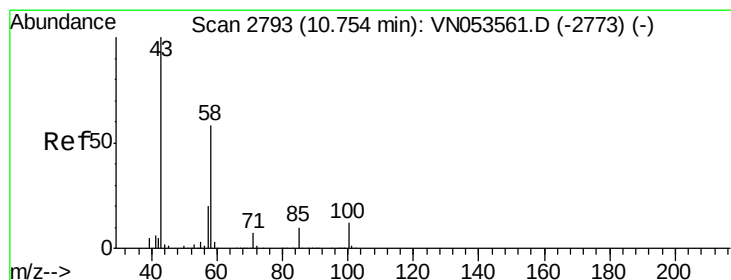
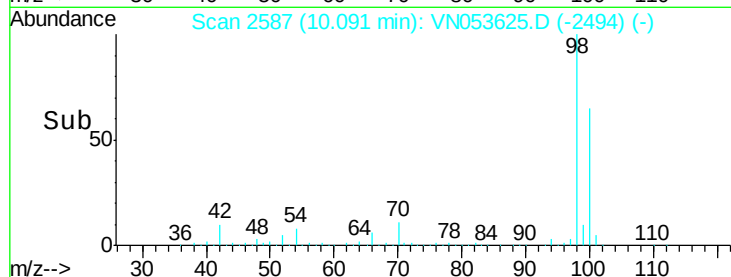
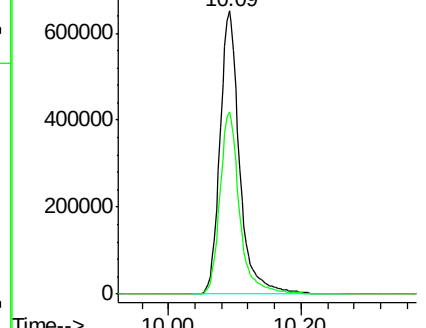
98 100

100 64.3 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053561.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053561.D (-2570) (-)



#59

2-Hexanone

Concen: 0.332 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN053625.D

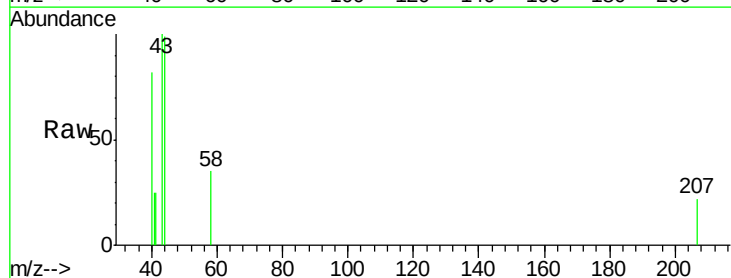
Acq: 6 Feb 2019 10:47

Tgt Ion: 43 Resp: 1198

Ion Ratio Lower Upper

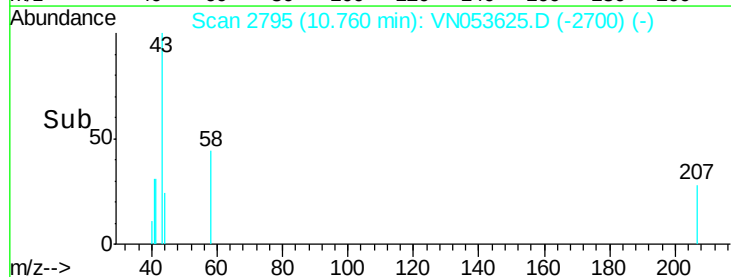
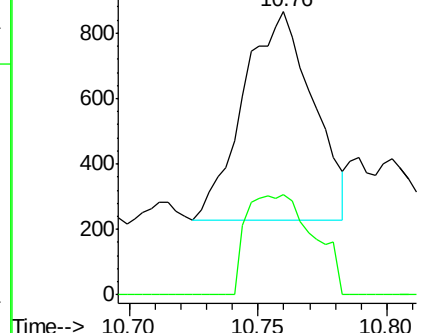
43 100

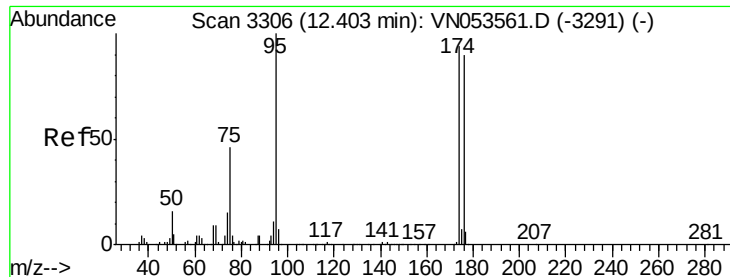
58 46.4 28.6 85.8



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-2773) (-)

Ion 58.00 (57.70 to 58.70): VN053561.D (-2773) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053625.D

Acq: 6 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBL01

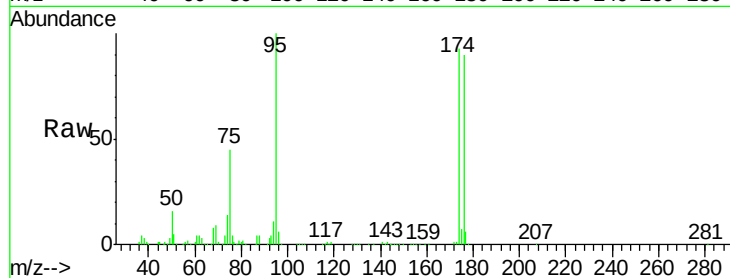
Tot Ion: 95 Resp: 430138

Ion Ratio Lower Upper

95 100

174 93.1 0.0 183.2

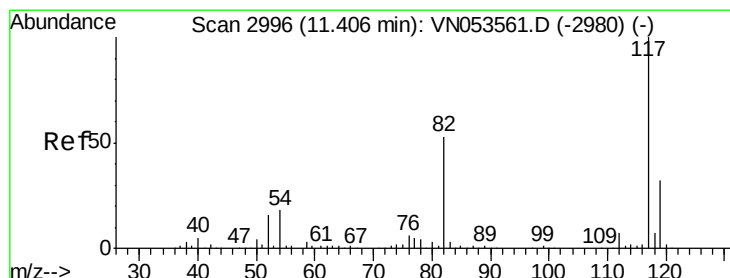
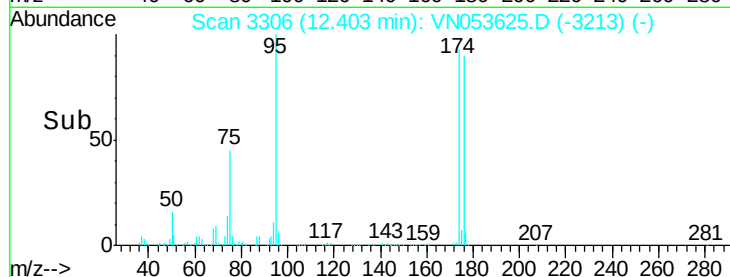
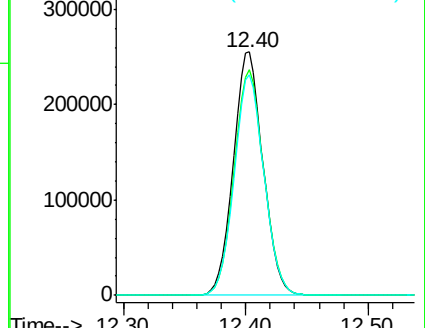
176 90.8 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053561.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053561.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053561.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053625.D

Acq: 6 Feb 2019 10:47

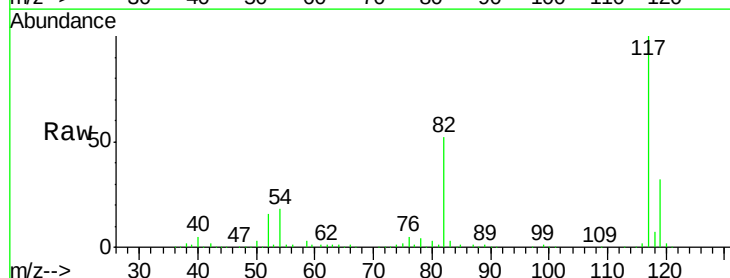
Tgt Ion: 117 Resp: 1004792

Ion Ratio Lower Upper

117 100

82 51.7 42.9 64.3

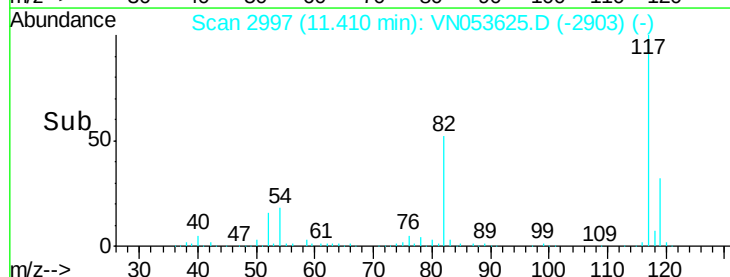
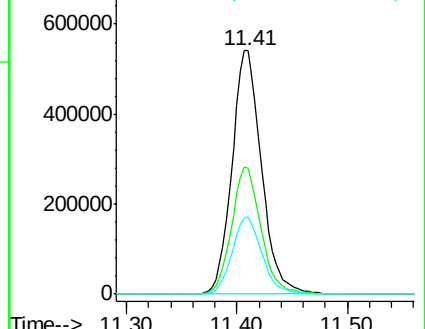
119 31.8 26.0 39.0

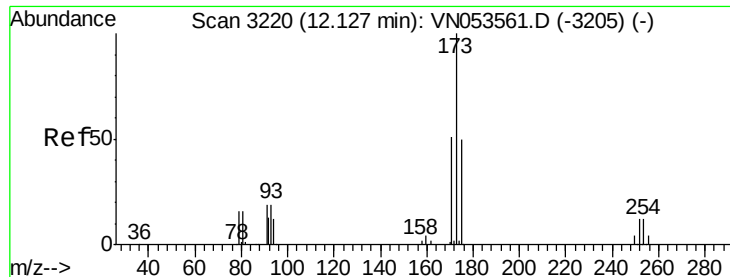


Abundance Ion 116.90 (116.60 to 117.60): VN053561.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053561.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053561.D (-2980) (-)





#71

Bromoform

Concen: 0.636 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053625.D

Acq: 6 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

VN0206WBL01

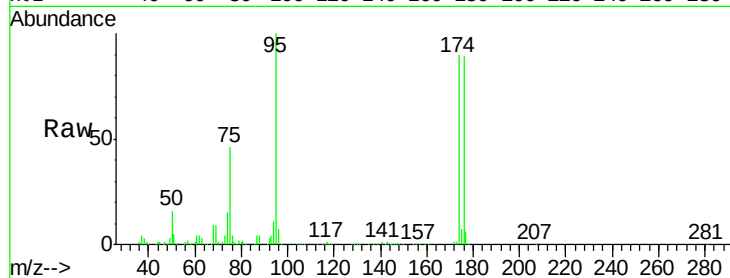
Tot Ion:173 Resp: 3250

Ion Ratio Lower Upper

173 100

175 793.6 24.6 74.0#

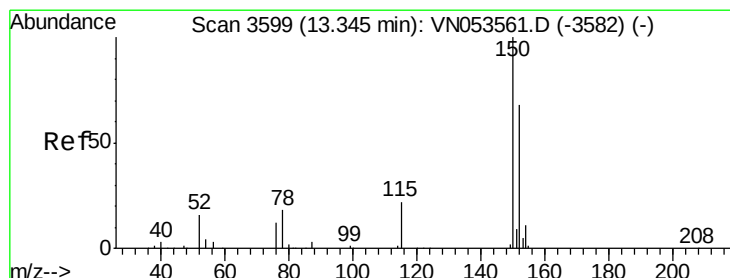
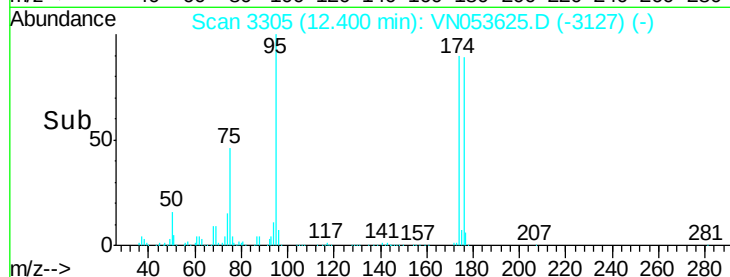
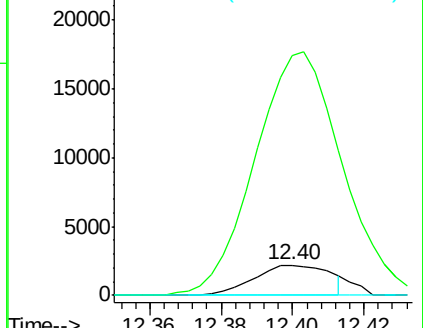
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053625.D

Acq: 6 Feb 2019 10:47

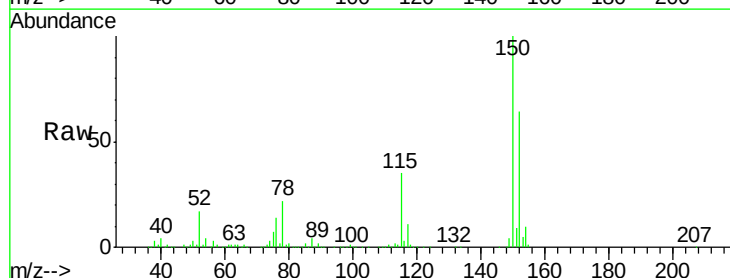
Tgt Ion:152 Resp: 396461

Ion Ratio Lower Upper

152 100

115 55.6 27.8 83.4

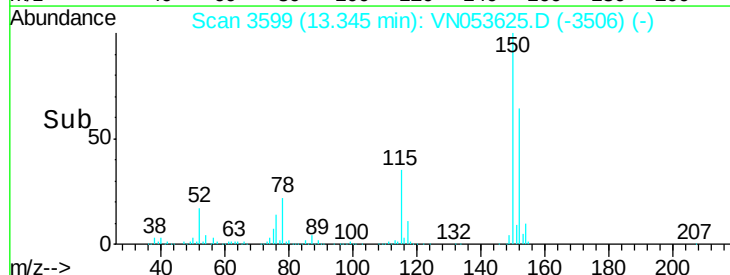
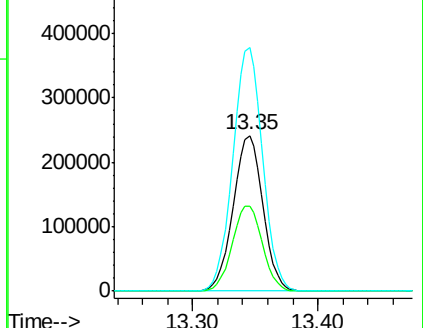
150 157.3 0.0 349.0

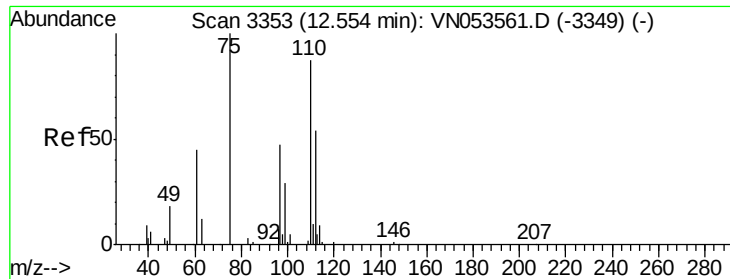


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 38.964 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053625.D

Acq: 6 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

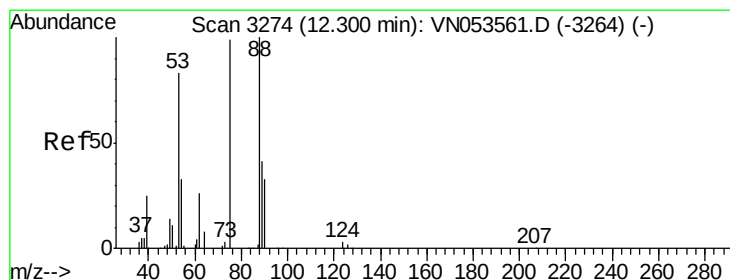
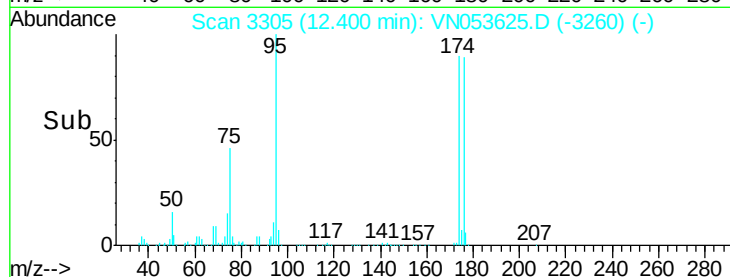
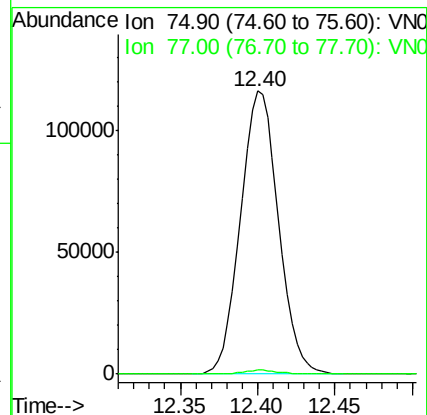
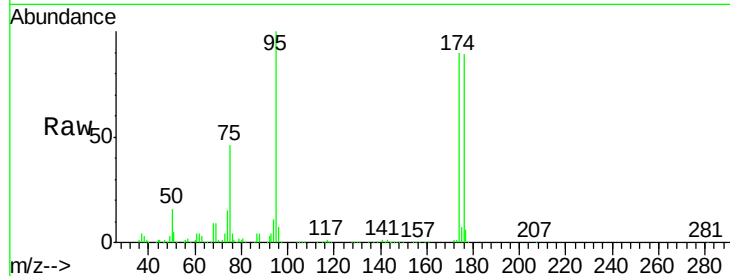
VN0206WBL01

Tot Ion: 75 Resp: 198418

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 109.565 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053625.D

Acq: 6 Feb 2019 10:47

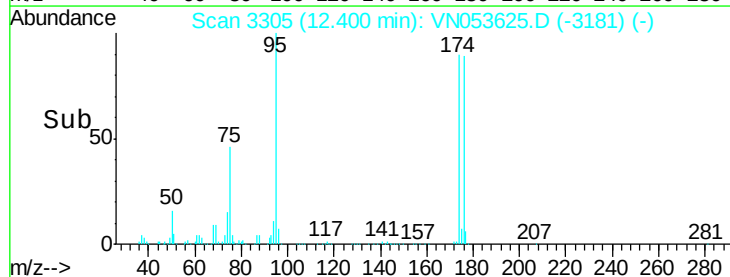
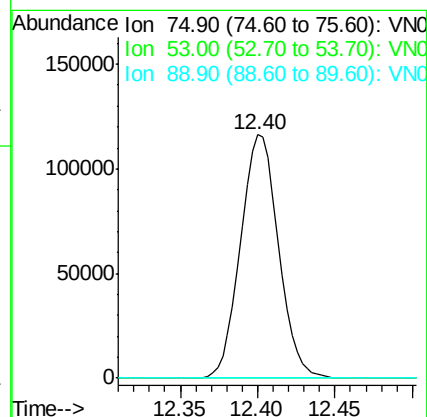
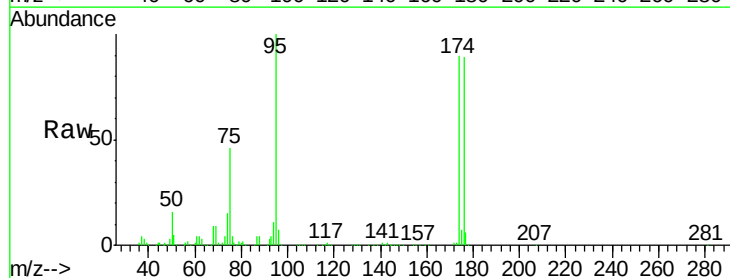
Tgt Ion: 75 Resp: 198418

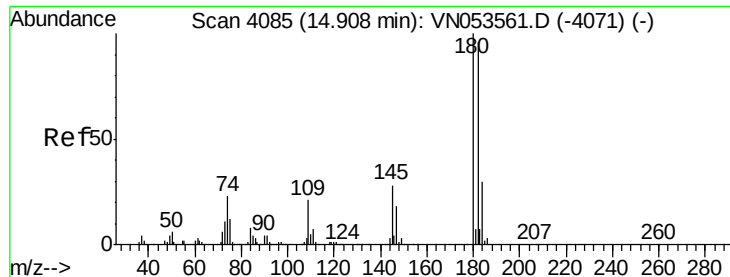
Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#

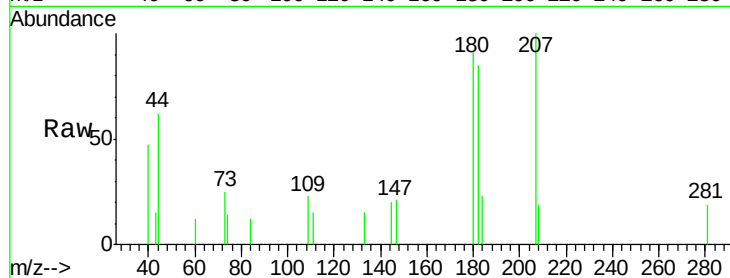




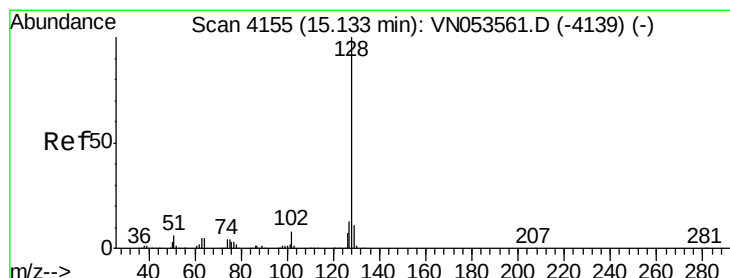
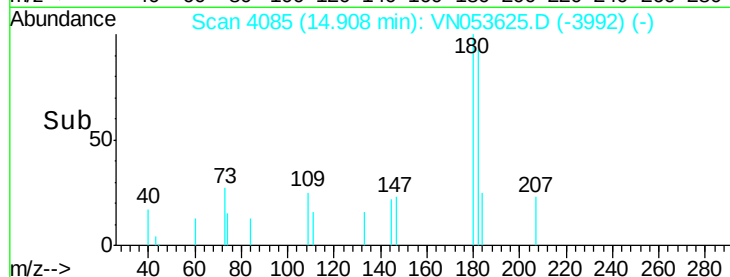
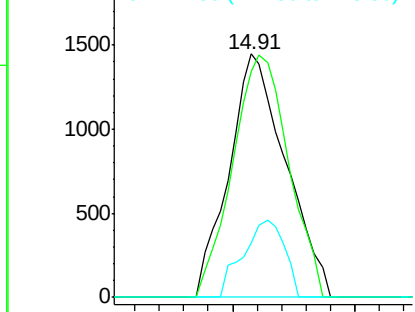
#93
 1,2,4-Trichlorobenzene
 Concen: 0.315 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053625.D
 Acq: 6 Feb 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	48.1	144.3
145	23.1	13.9	41.6

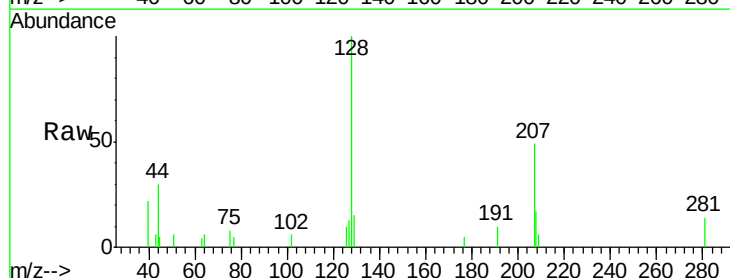


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

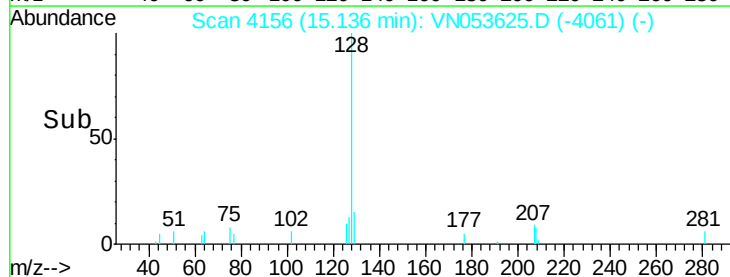
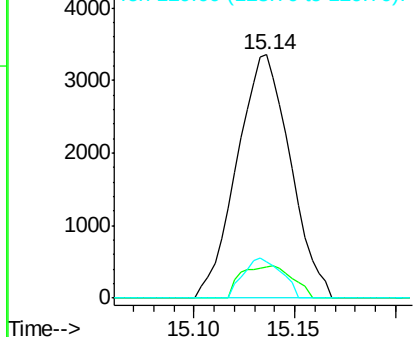


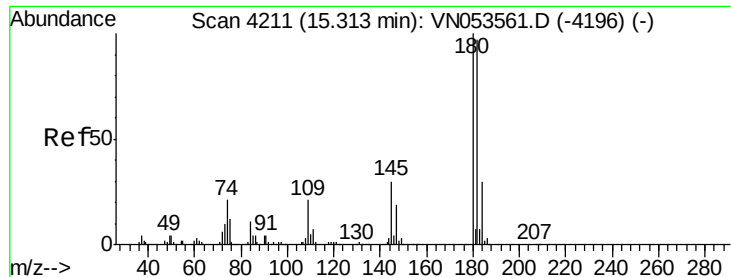
#95
 Naphthalene
 Concen: 2.080 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN053625.D
 Acq: 6 Feb 2019 10:47

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	11.9	8.6	13.0



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

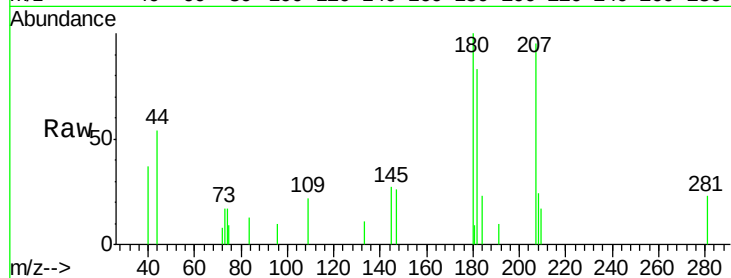




#96
 1,2,3-Trichlorobenzene
 Concen: 0.473 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN053625.D
 Acq: 6 Feb 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.9	143.8
145	28.6	14.7	44.1



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

