

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101918\
 Data File : VN051936.D
 Acq On : 19 Oct 2018 9:54
 Operator : MD\SY
 Sample : VN1019WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBL01

Quant Time: Oct 19 23:04:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 19 05:11:28 2018
 Response via : Initial Calibration

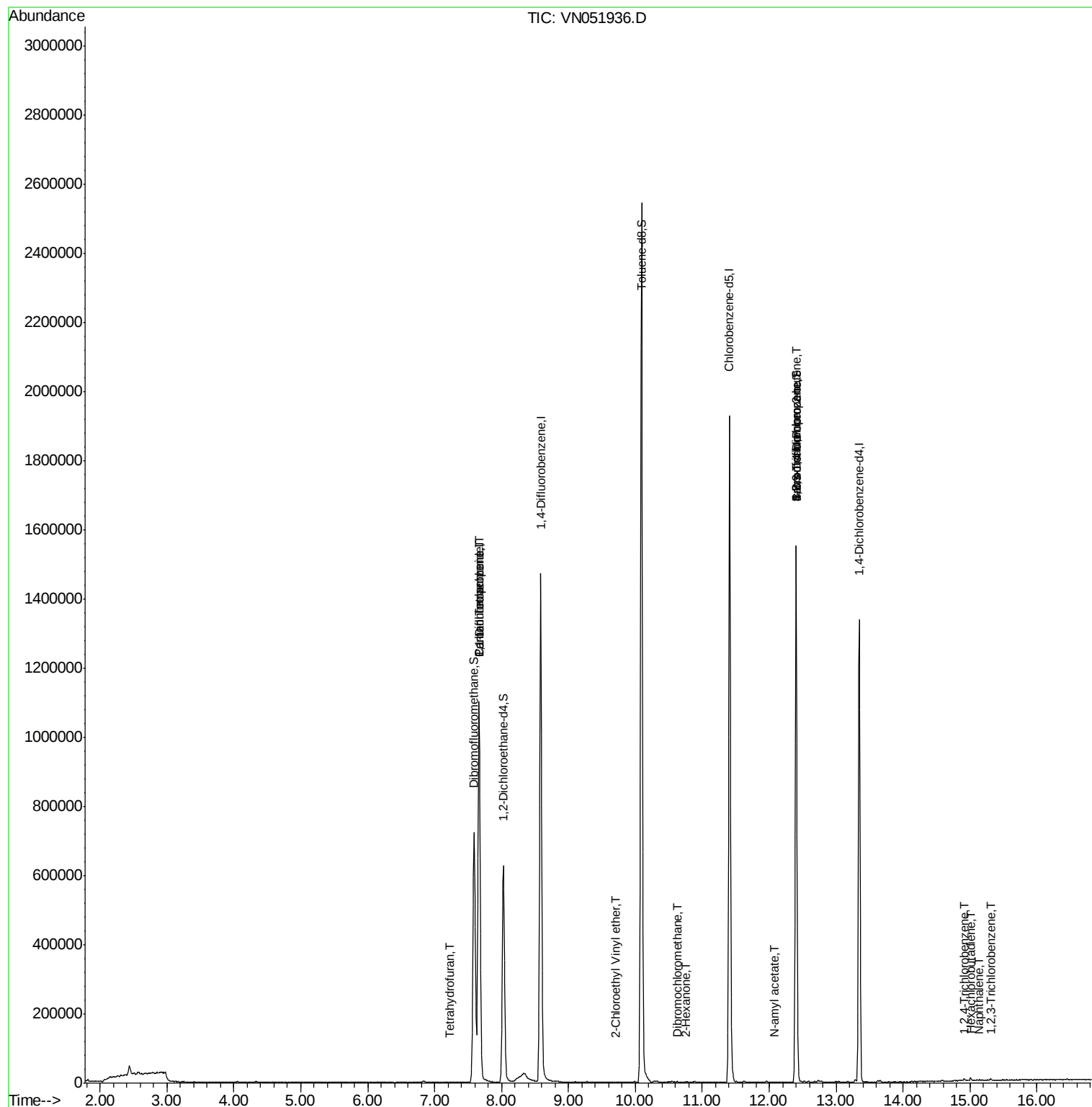
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1001472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1444554	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1242435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	397091	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	537991	57.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.90%	
35) Dibromofluoromethane	7.59	113	540059	58.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.64%	
50) Toluene-d8	10.09	98	1970547	58.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.92%	
62) 4-Bromofluorobenzene	12.40	95	527106	47.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.50%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.57	94	2805	Below Cal		90
13) Acrolein	3.60	56	92	Below Cal	#	54
18) Methyl Acetate	4.35	43	3985	Below Cal	#	71
29) Tetrahydrofuran	7.21	42	390	0.272 ug/l	#	39
31) Cyclohexane	7.67	56	15870	Below Cal	#	25
36) 1,1-Dichloropropene	7.66	75	62074	5.536 ug/l	#	47
37) Ethyl Acetate	6.92	43	322	Below Cal	#	70
38) Carbon Tetrachloride	7.66	117	88139	6.675 ug/l	#	16
43) Isopropyl Acetate	8.23	43	9012	Below Cal	#	49
58) 2-Chloroethyl Vinyl ether	9.69	63	64	2.766 ug/l	#	40
59) 2-Hexanone	10.75	43	1649	0.471 ug/l	#	54
60) Dibromochloromethane	10.63	129	222	2.071 ug/l	#	11
71) Bromoform	12.40	173	4599	3.853 ug/l	#	1
74) N-amyl acetate	12.07	43	1292	0.244 ug/l	#	39
76) 1,2,3-Trichloropropane	12.40	75	270702	56.088 ug/l	#	100
79) 2-Chlorotoluene	12.67	91	1310	Below Cal		69
81) trans-1,4-Dichloro-2-buten	12.40	75	270702	184.295 ug/l	#	14
93) 1,2,4-Trichlorobenzene	14.90	180	775	4.172 ug/l	#	19
94) Hexachlorobutadiene	15.01	225	1597	0.395 ug/l		95
95) Naphthalene	15.14	128	3482	4.307 ug/l	#	93
96) 1,2,3-Trichlorobenzene	15.32	180	1424	3.130 ug/l	#	70

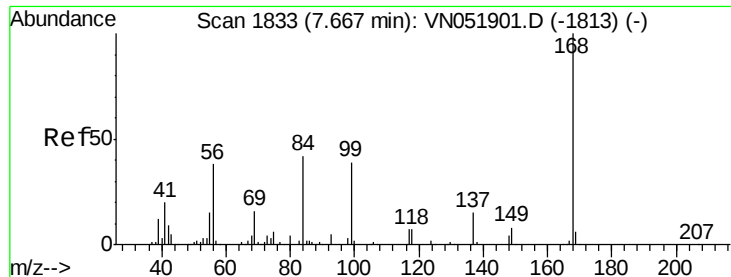
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 19 Oct 2018 9:54
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051936.D

Acq: 19 Oct 2018 9:54

Instrument :

MSVOA_N

ClientSampleId :

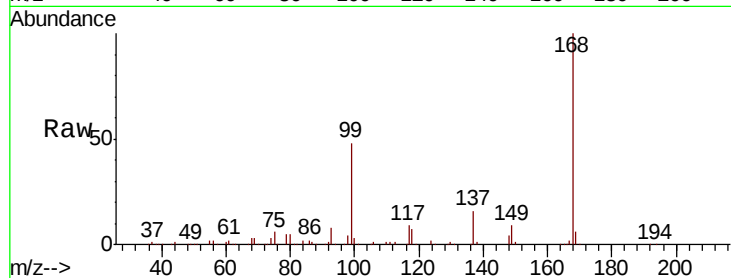
VN1019WBL01

Tot Ion:168 Resp: 1001472

Ion Ratio Lower Upper

168 100

99 48.3 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VN051901.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051901.D (-1813) (-)

7.67

400000

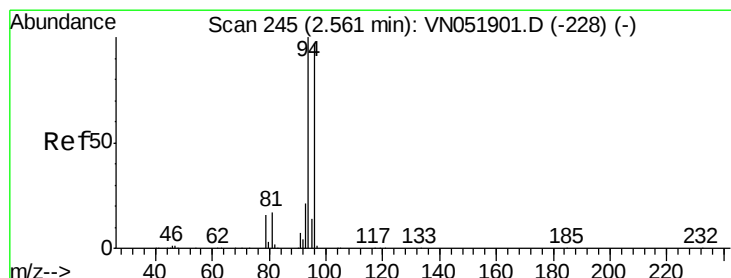
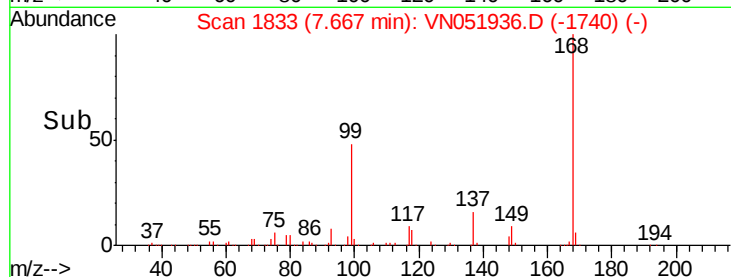
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051936.D

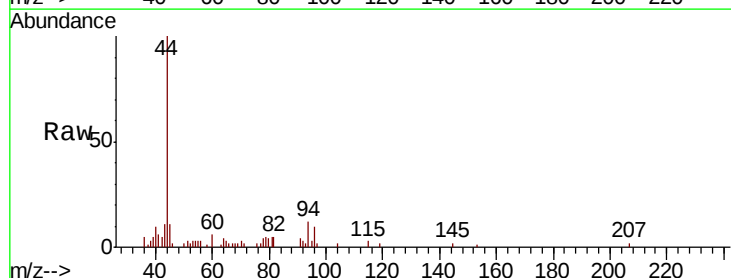
Acq: 19 Oct 2018 9:54

Tgt Ion: 94 Resp: 2805

Ion Ratio Lower Upper

94 100

96 87.1 77.5 116.3



Abundance Ion 93.90 (93.60 to 94.60): VN051901.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VN051901.D (-228) (-)

2.57

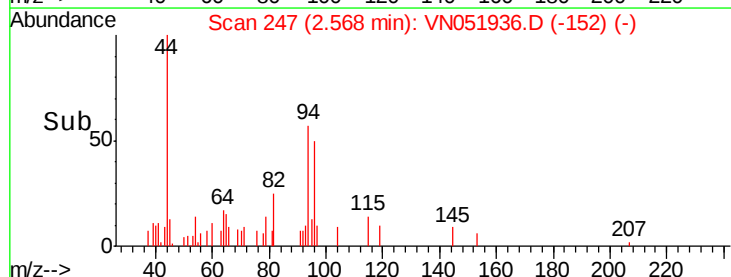
1500

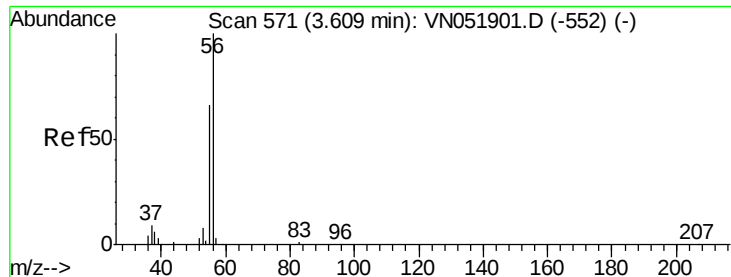
1000

500

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN051936.D

Acq: 19 Oct 2018 9:54

Instrument :

MSVOA_N

ClientSampled :

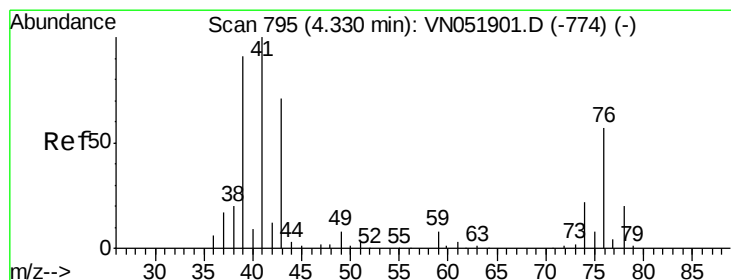
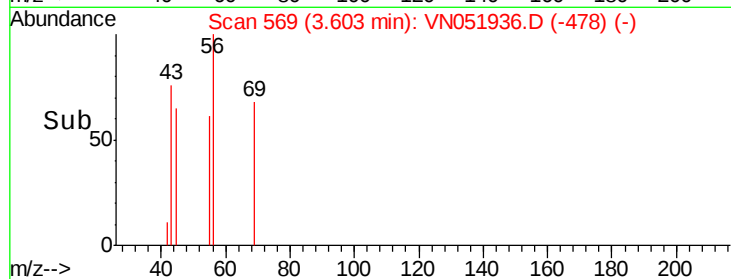
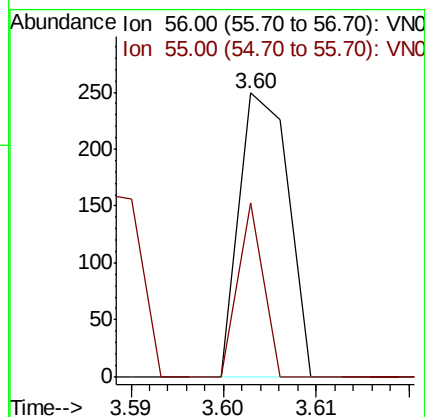
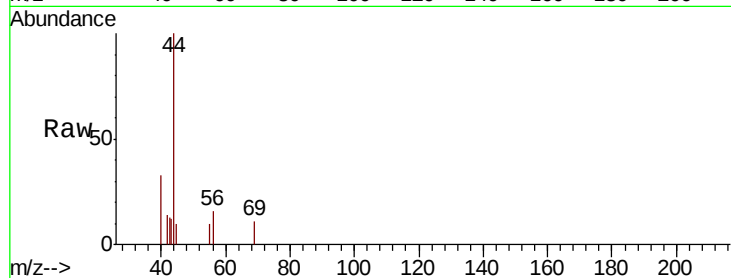
VN1019WBL01

Tot Ion: 56 Resp: 92

Ion Ratio Lower Upper

56 100

55 32.6 56.7 85.1#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.35 min Scan# 800

Delta R.T. 0.02 min

Lab File: VN051936.D

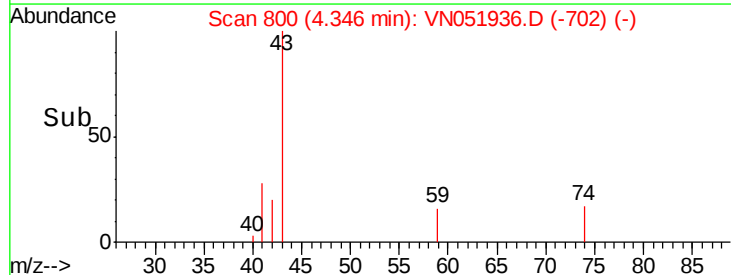
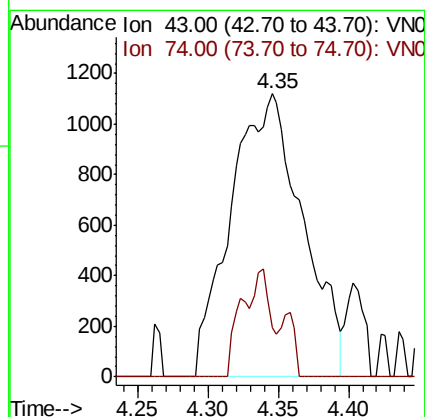
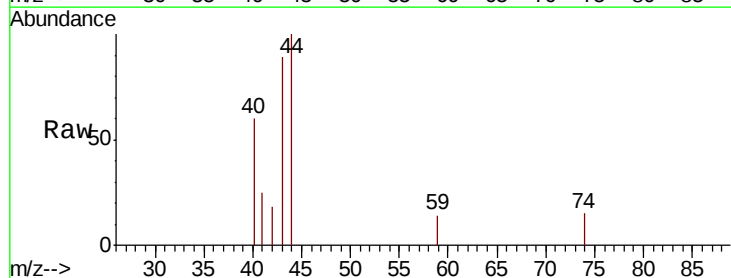
Acq: 19 Oct 2018 9:54

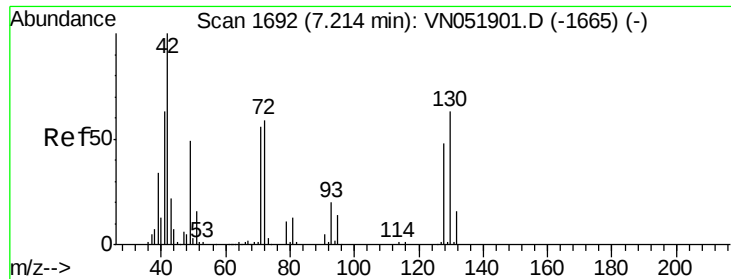
Tgt Ion: 43 Resp: 3985

Ion Ratio Lower Upper

43 100

74 15.2 24.9 37.3#

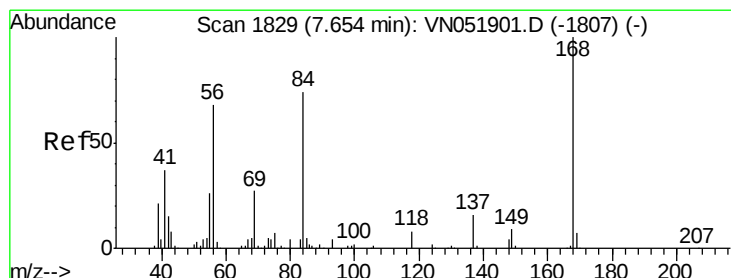
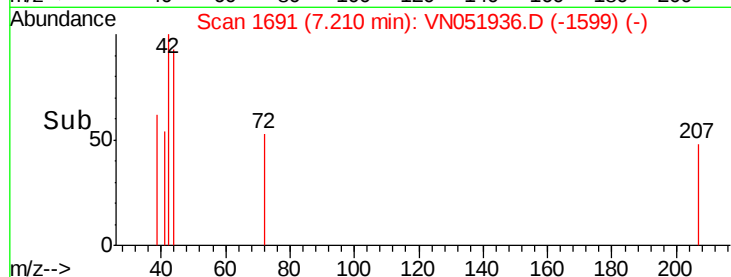
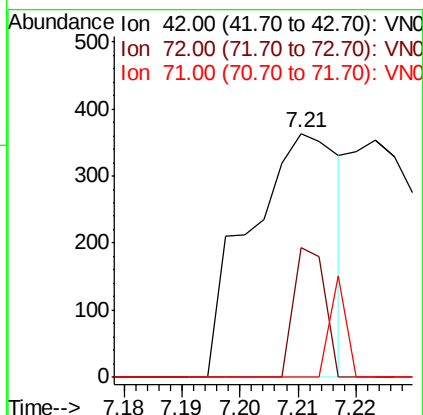
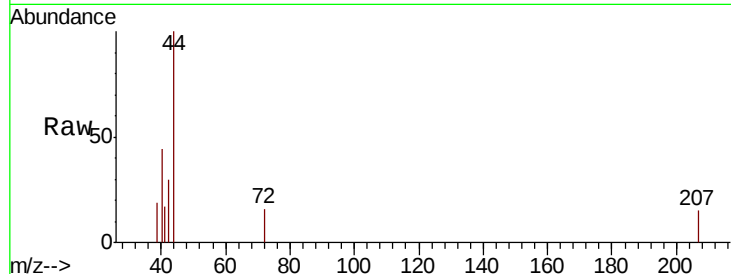




#29
Tetrahydrofuran
Concen: 0.272 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051936.D
Acq: 19 Oct 2018 9:54

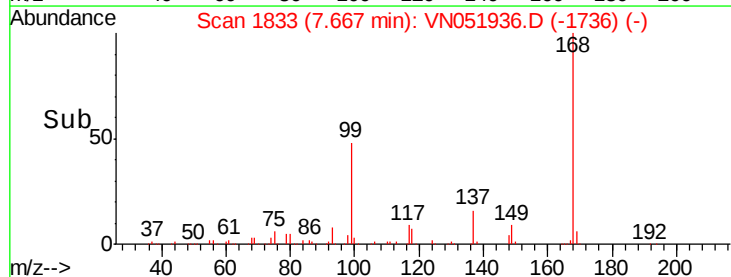
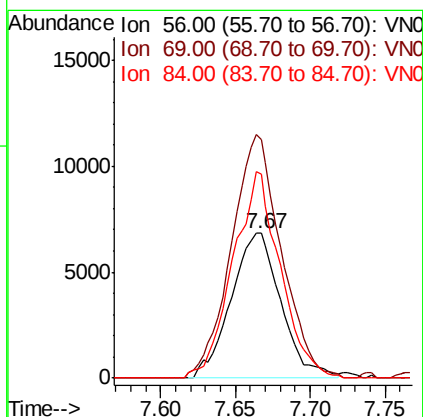
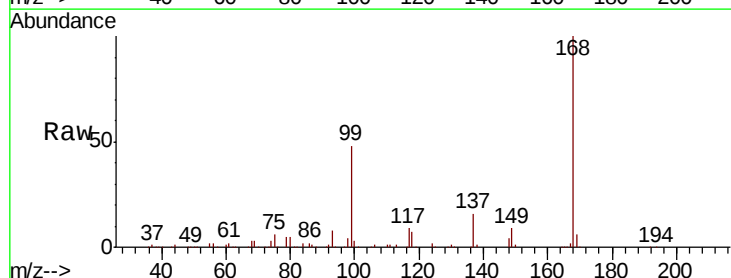
Instrument :
MSVOA_N
ClientSampleId :
VN1019WBL01

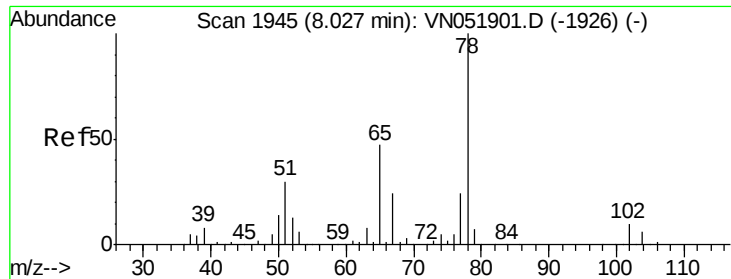
Tot Ion: 42 Resp: 390
Ion Ratio Lower Upper
42 100
72 18.5 47.7 71.5#
71 7.4 45.4 68.0#



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN051936.D
Acq: 19 Oct 2018 9:54

Tgt Ion: 56 Resp: 15870
Ion Ratio Lower Upper
56 100
69 162.1 31.2 46.8#
84 138.7 86.6 130.0#

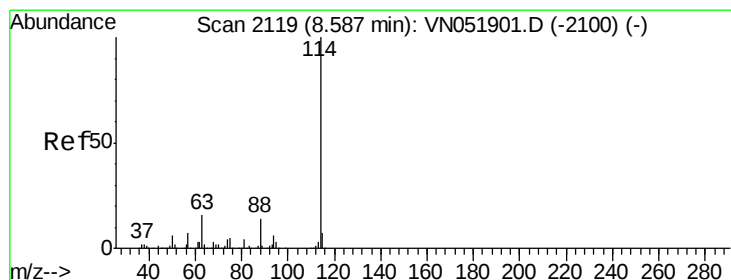
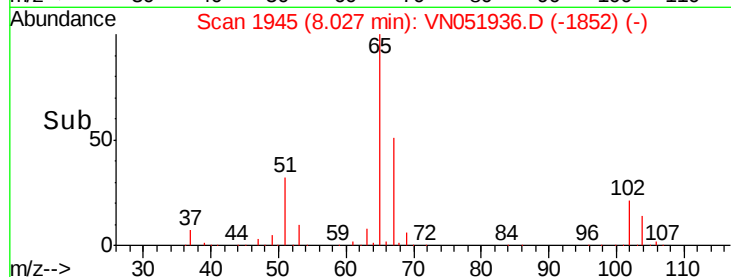
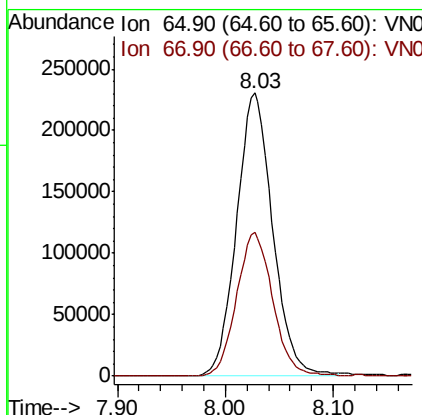
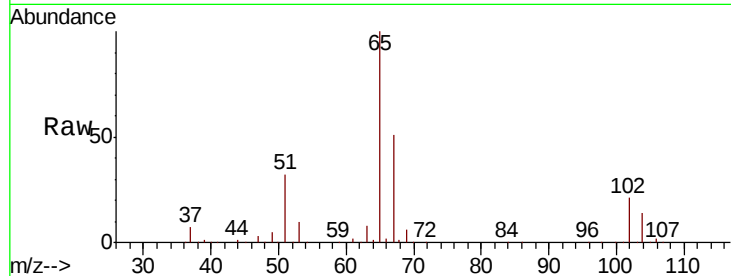




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051936.D
 Acq: 19 Oct 2018 9:54

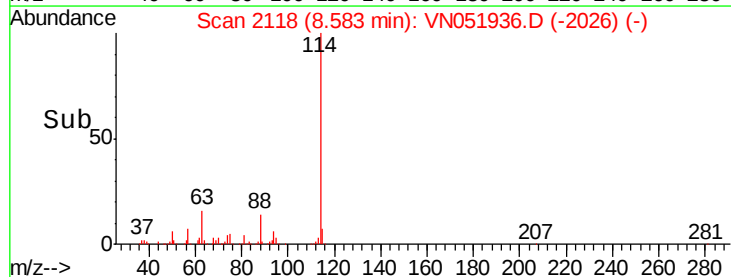
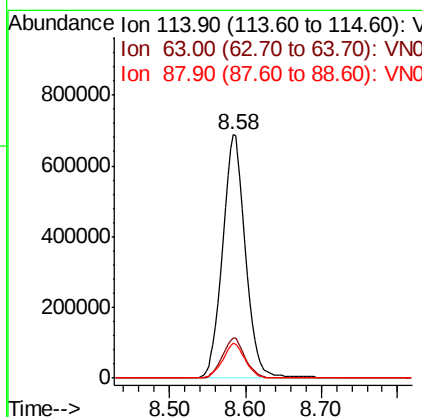
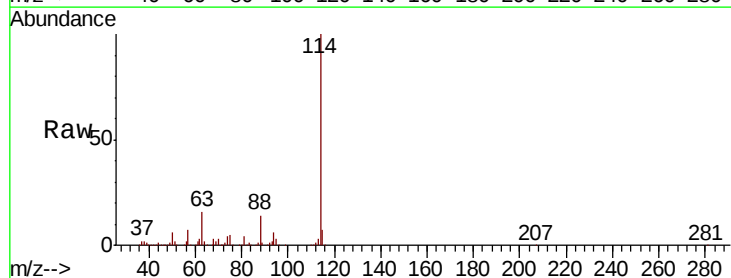
Instrument :
 MSVOA_N
 ClientSampled :
 VN1019WBL01

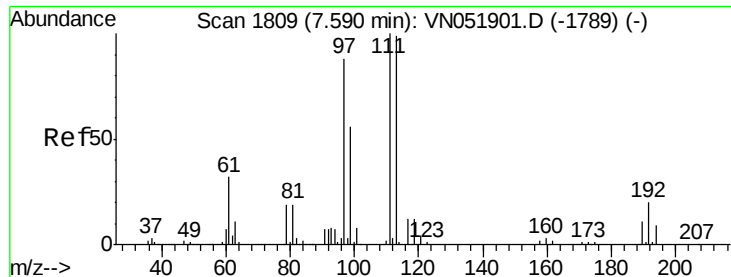
Tot Ion: 65 Resp: 537991
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN051936.D
 Acq: 19 Oct 2018 9:54

Tgt Ion: 114 Resp: 1444554
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 31.8
 88 14.3 0.0 28.0

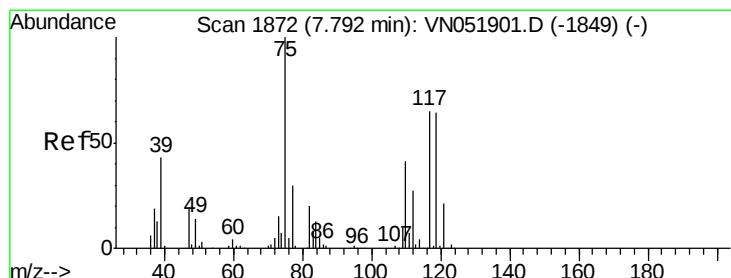
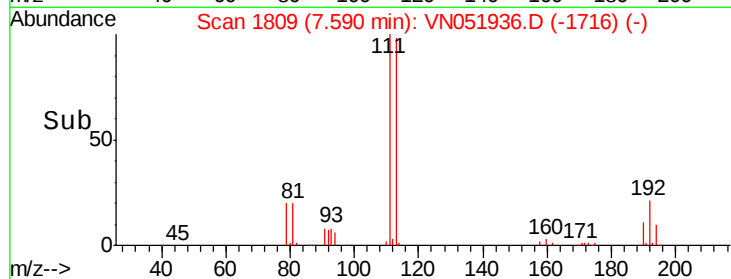
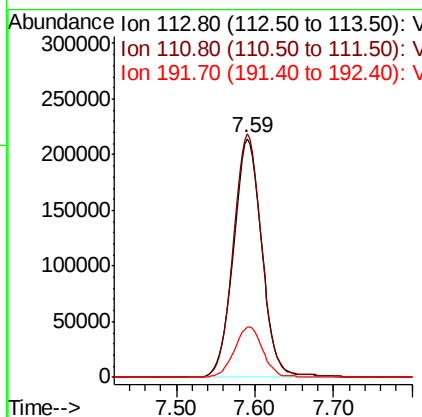
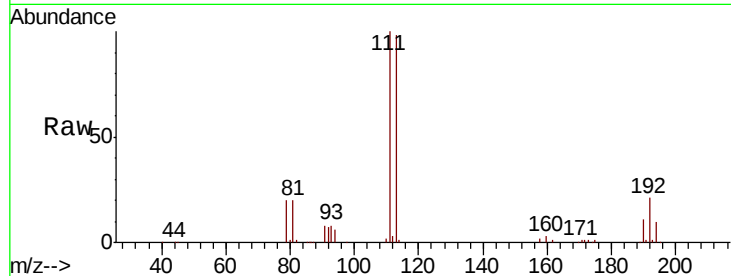




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN051936.D
 Acq: 19 Oct 2018 9:54

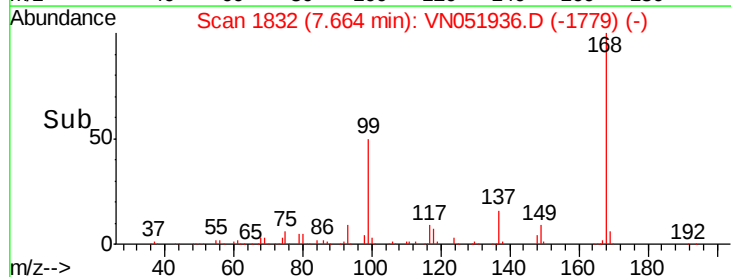
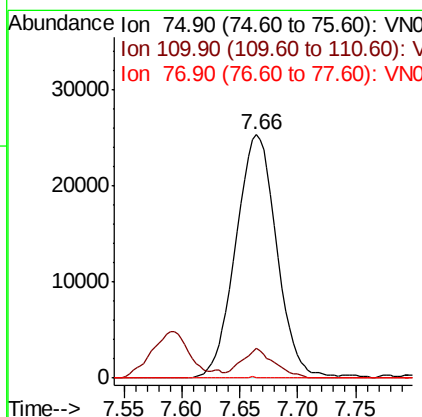
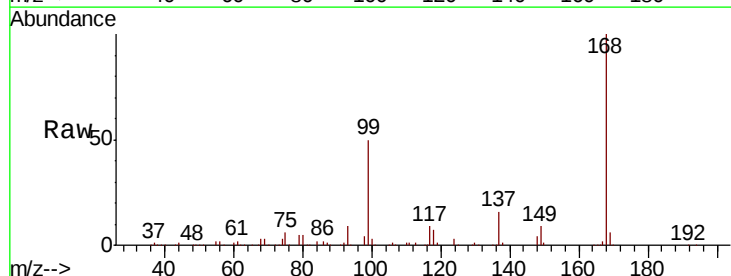
Instrument :
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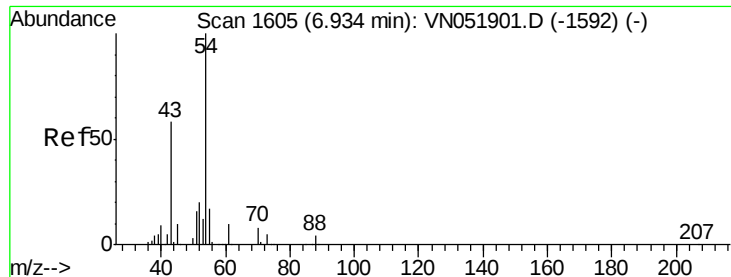
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	82.6	123.8
192	21.2	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 5.536 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN051936.D
 Acq: 19 Oct 2018 9:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	21.0	63.0#
77	0.0	24.9	37.3#

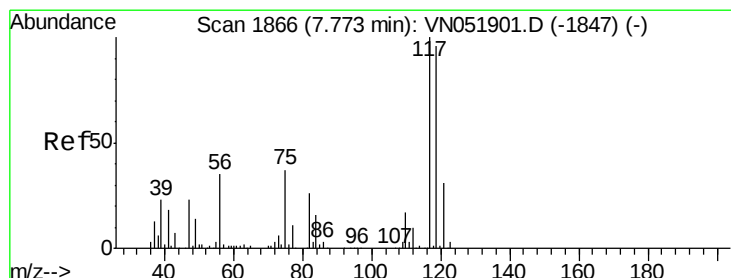
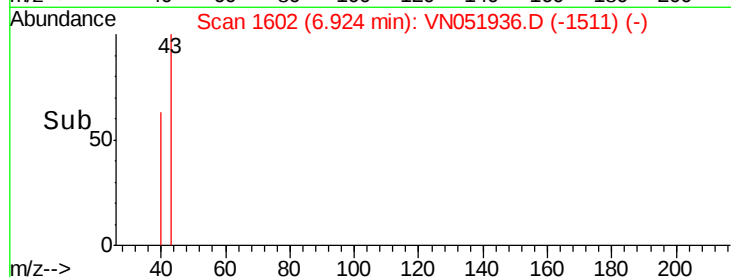
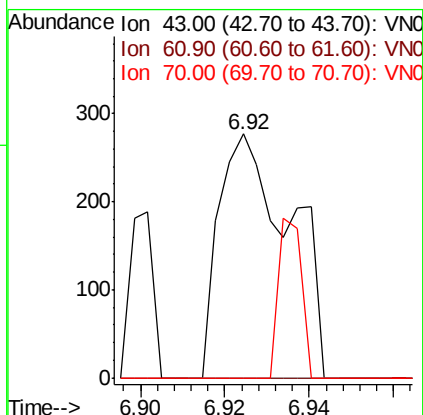
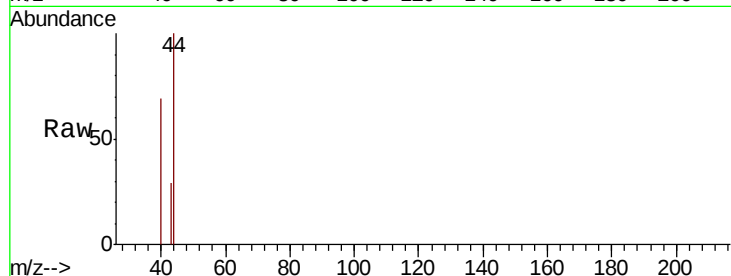




#37
Ethyl Acetate
Concen: Below Cal
RT: 6.92 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VN051936.D
Acq: 19 Oct 2018 9:54

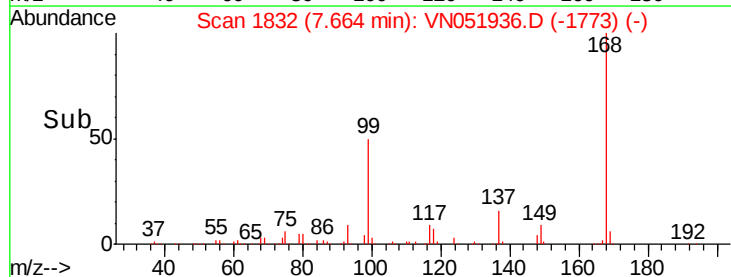
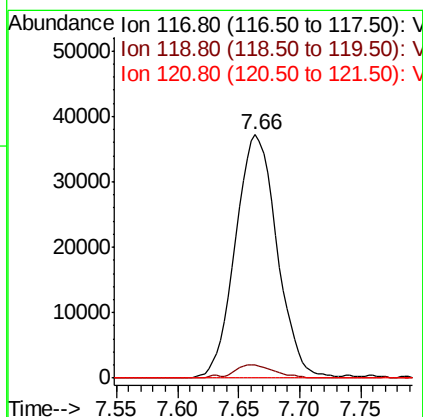
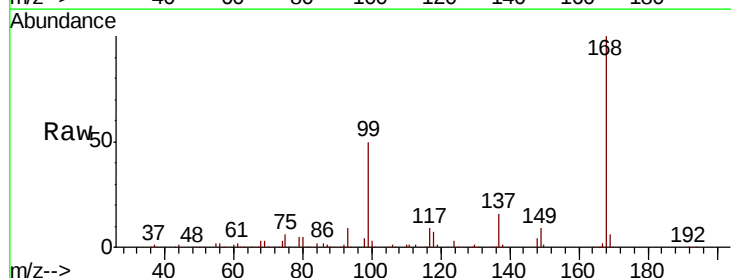
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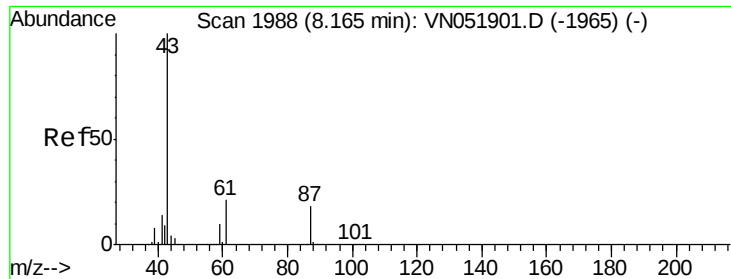
Tot Ion: 43 Resp: 322
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.6#
70 21.1 10.4 15.6#



#38
Carbon Tetrachloride
Concen: 6.675 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN051936.D
Acq: 19 Oct 2018 9:54

Tgt Ion: 117 Resp: 88139
Ion Ratio Lower Upper
117 100
119 5.6 77.0 115.6#
121 0.0 25.1 37.7#

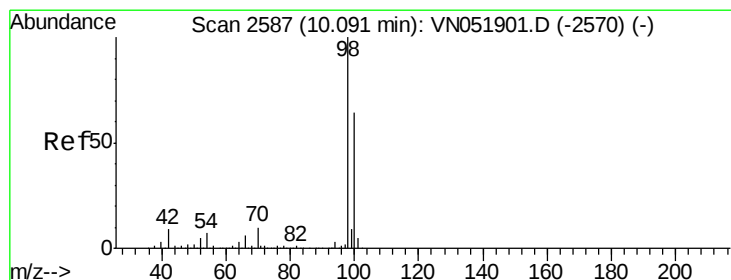
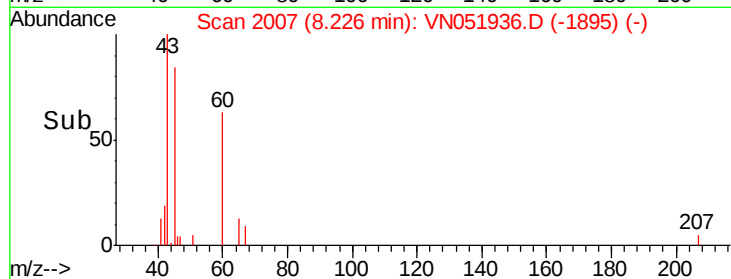
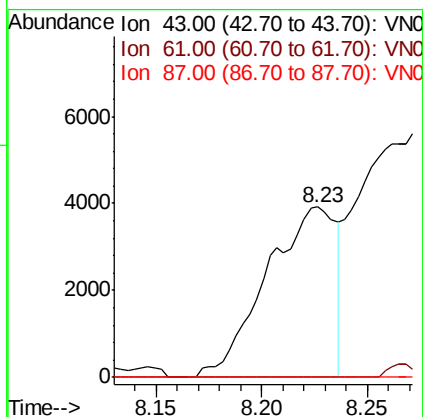
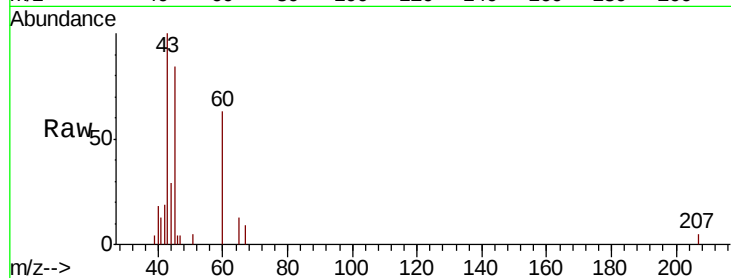




#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.23 min Scan# 2007
Delta R.T. 0.06 min
Lab File: VN051936.D
Acq: 19 Oct 2018 9:54

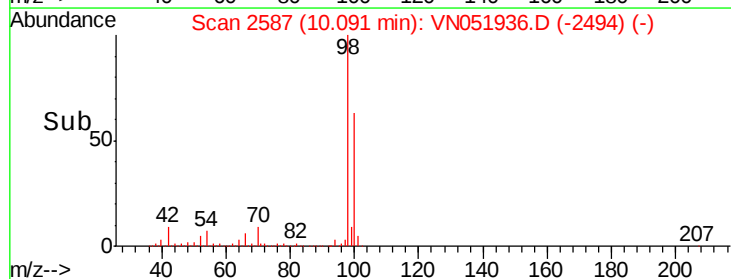
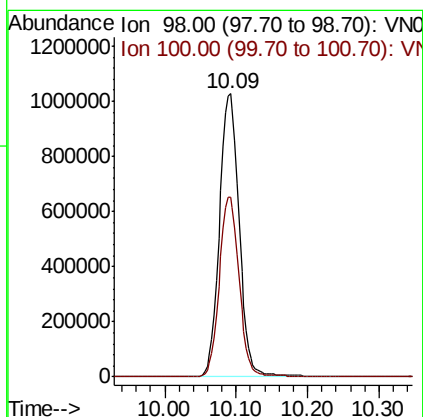
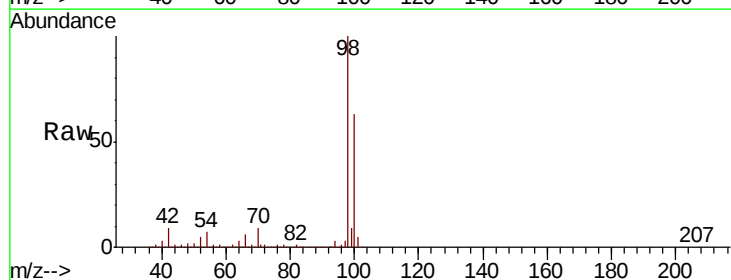
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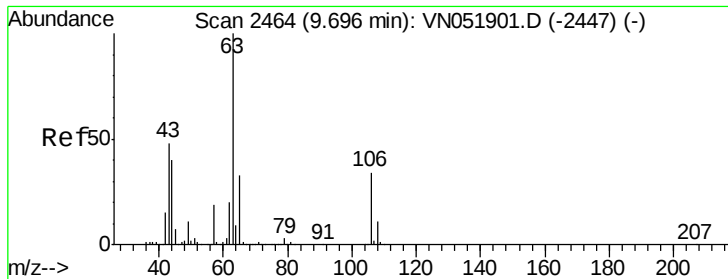
Tot Ion: 43 Resp: 9012
Ion Ratio Lower Upper
43 100
61 0.0 24.9 37.3#
87 0.0 14.6 22.0#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051936.D
Acq: 19 Oct 2018 9:54

Tgt Ion: 98 Resp: 1970547
Ion Ratio Lower Upper
98 100
100 63.8 51.0 76.4

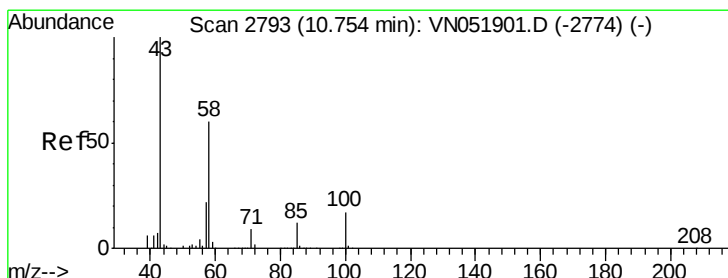
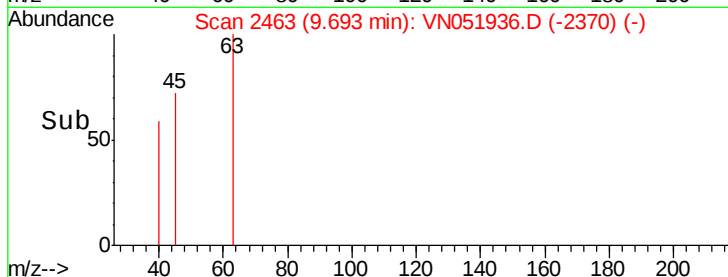
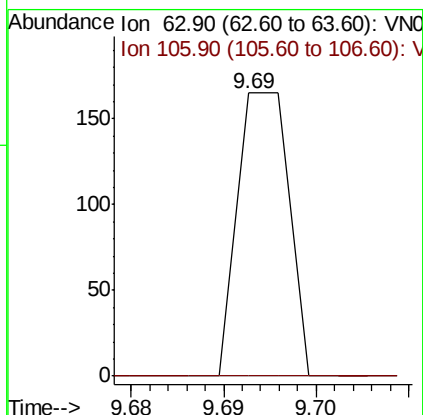
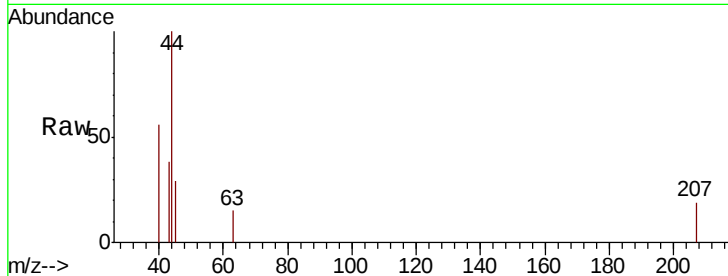




#58
2-Chloroethyl Vinyl ether
Concen: 2.766 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN051936.D
Acq: 19 Oct 2018 9:54

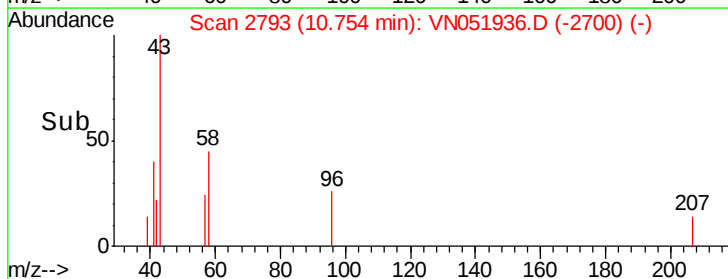
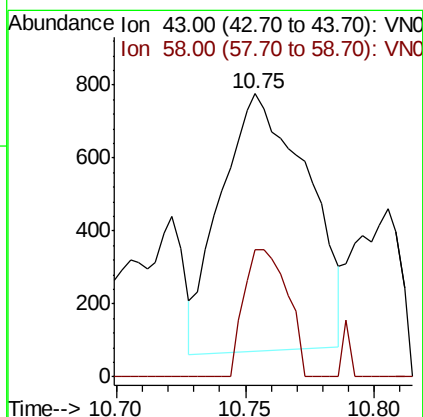
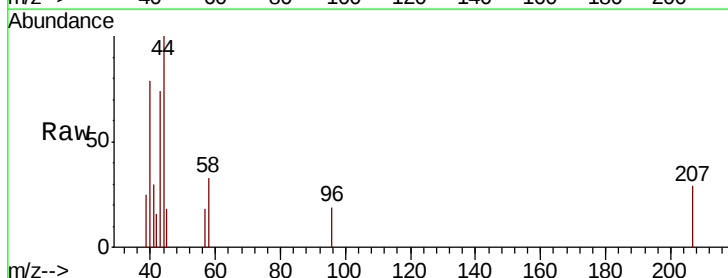
Instrument :
MSVOA_N
ClientSampleId :
VN1019WBL01

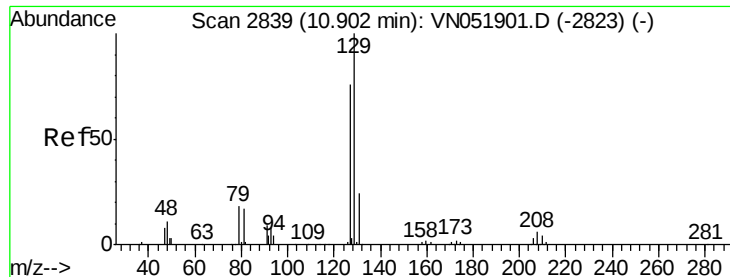
Tot Ion: 63 Resp: 64
Ion Ratio Lower Upper
63 100
106 0.0 27.5 41.3#



#59
2-Hexanone
Concen: 0.471 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051936.D
Acq: 19 Oct 2018 9:54

Tgt Ion: 43 Resp: 1649
Ion Ratio Lower Upper
43 100
58 24.9 29.8 89.5#

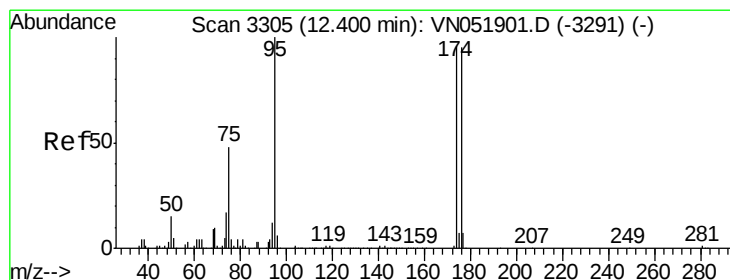
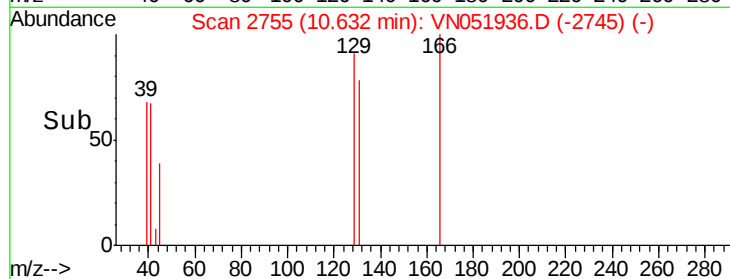
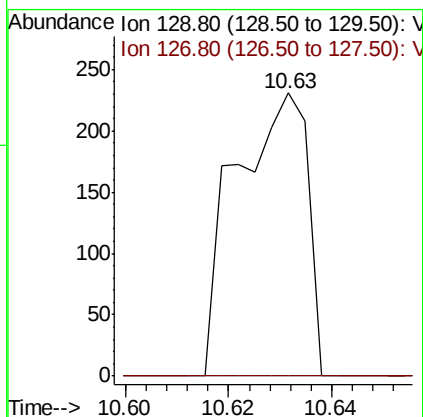
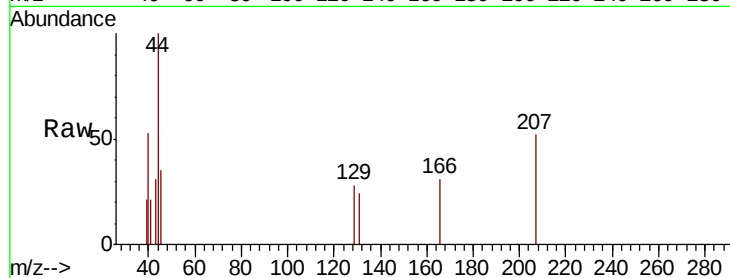




#60
 Dibromochloromethane
 Concen: 2.071 ug/l
 RT: 10.63 min Scan# 2755
 Delta R.T. -0.27 min
 Lab File: VN051936.D
 Acq: 19 Oct 2018 9:54

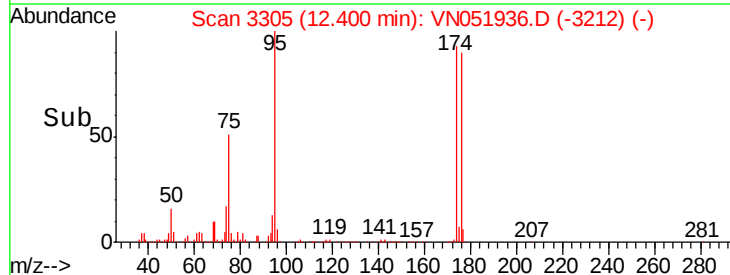
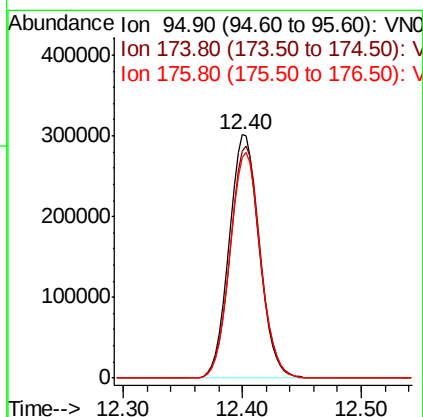
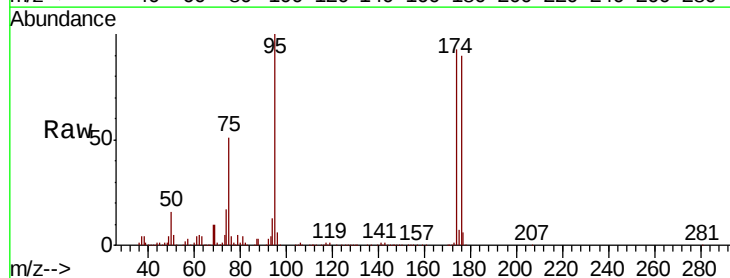
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBL01

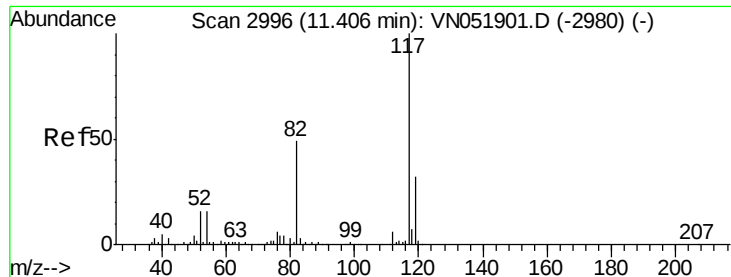
Tot Ion:129 Resp: 222
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.3 114.8#



#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051936.D
 Acq: 19 Oct 2018 9:54

Tgt Ion: 95 Resp: 527106
 Ion Ratio Lower Upper
 95 100
 174 95.9 0.0 195.0
 176 93.6 0.0 191.4

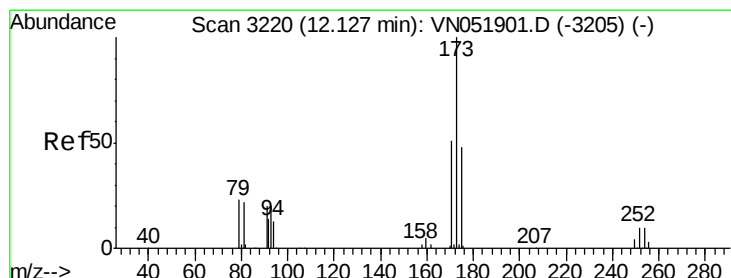
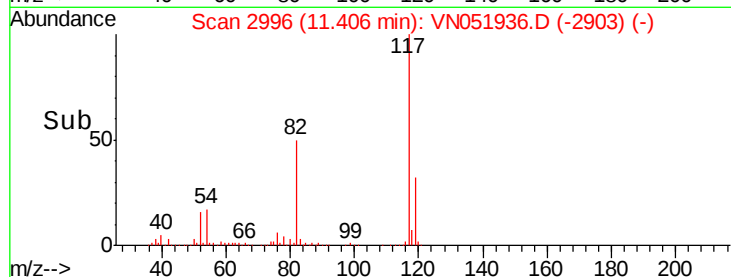
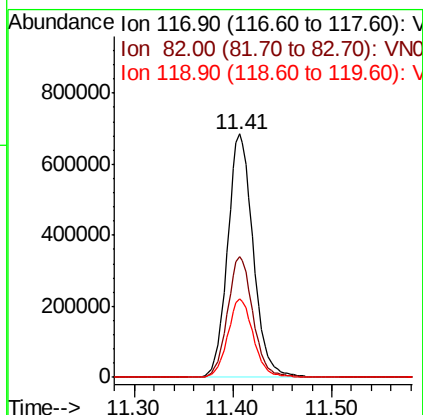
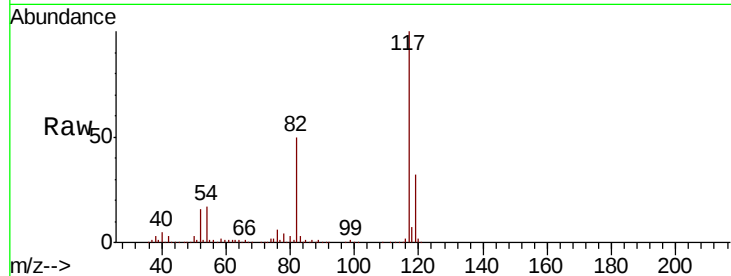




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051936.D
Acq: 19 Oct 2018 9:54

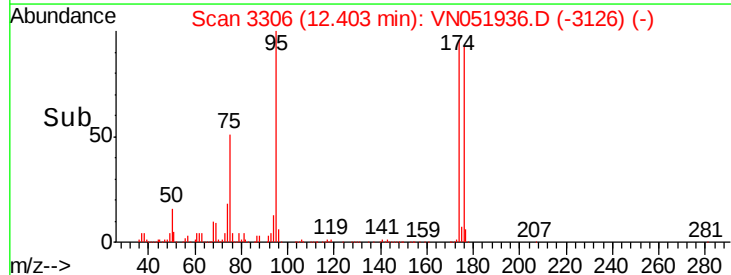
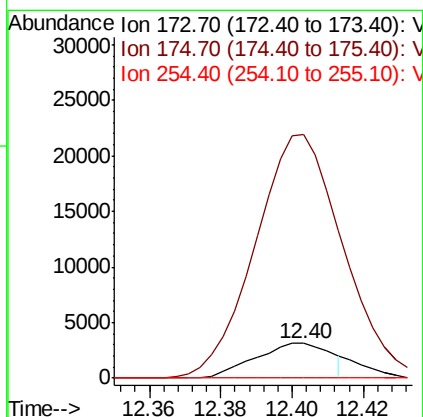
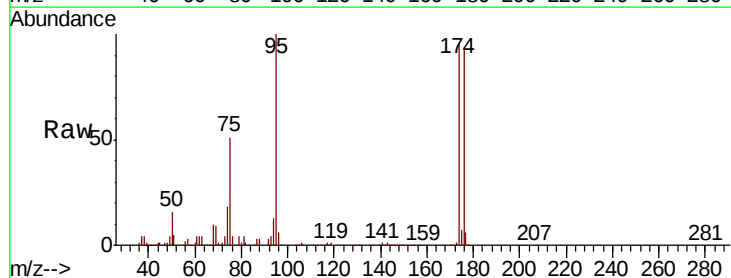
Instrument :
MSVOA_N
ClientSampleId :
VN1019WBL01

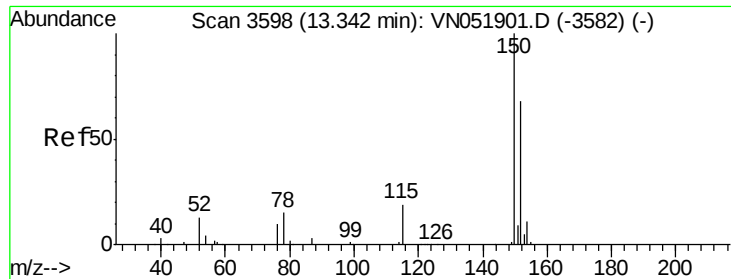
Tot Ion:117 Resp: 1242435
Ion Ratio Lower Upper
117 100
82 49.8 38.9 58.3
119 32.4 25.9 38.9



#71
Bromoform
Concen: 3.853 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN051936.D
Acq: 19 Oct 2018 9:54

Tgt Ion:173 Resp: 4599
Ion Ratio Lower Upper
173 100
175 695.5 24.0 72.0#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051936.D

Acq: 19 Oct 2018 9:54

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBL01

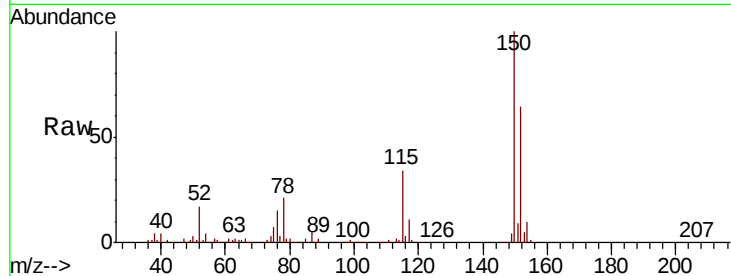
Tot Ion:152 Resp: 397091

Ion Ratio Lower Upper

152 100

115 54.6 26.7 80.1

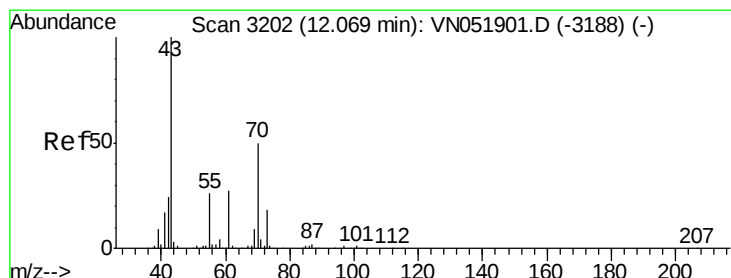
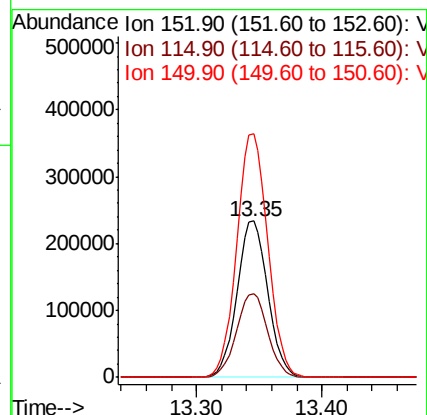
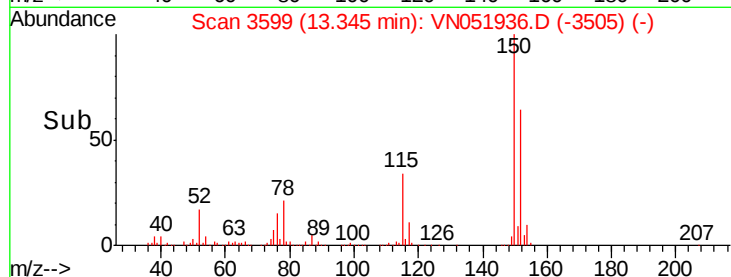
150 157.1 0.0 346.4



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-ethyl acetate

Concen: 0.244 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN051936.D

Acq: 19 Oct 2018 9:54

Tgt Ion: 43 Resp: 1292

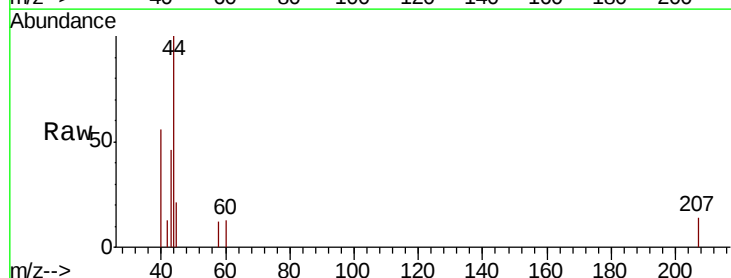
Ion Ratio Lower Upper

43 100

70 0.0 40.1 60.1#

55 2.4 21.0 31.4#

61 0.0 21.4 32.0#

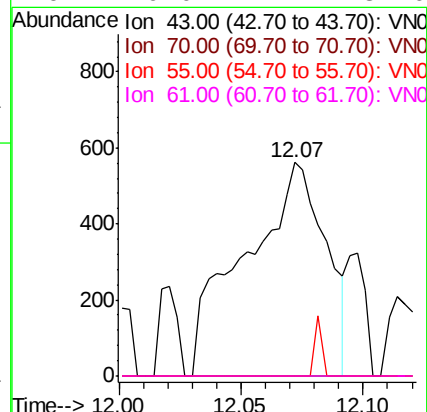
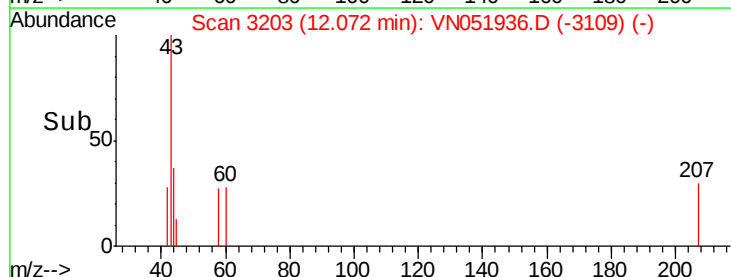


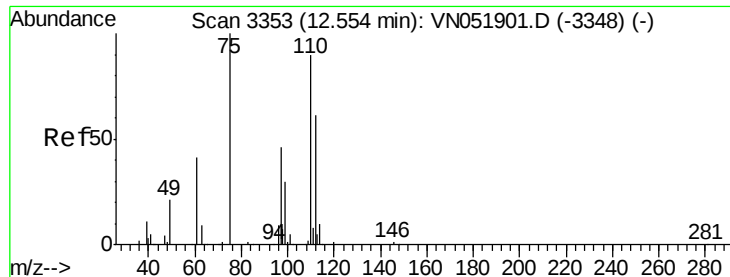
Abundance Ion 43.00 (42.70 to 43.70): V

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





#76

1,2,3-Trichloropropane

Concen: 56.088 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051936.D

Acq: 19 Oct 2018 9:54

Instrument :

MSVOA_N

ClientSampled :

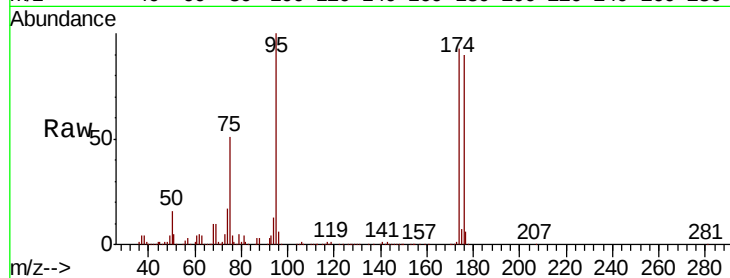
VN1019WBL01

Tot Ion: 75 Resp: 270702

Ion Ratio Lower Upper

75 100

77 1.0 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

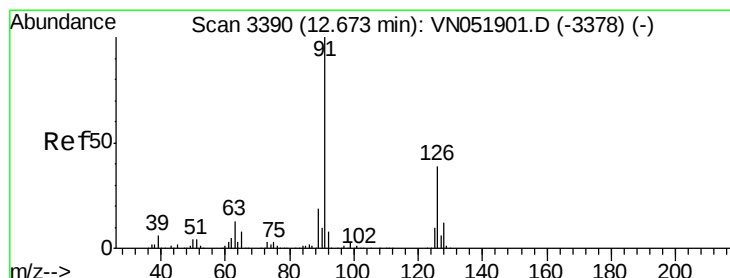
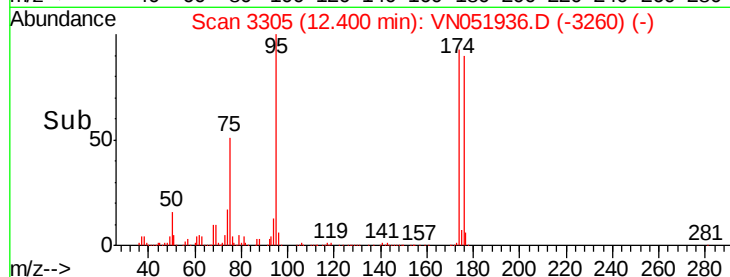
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051936.D

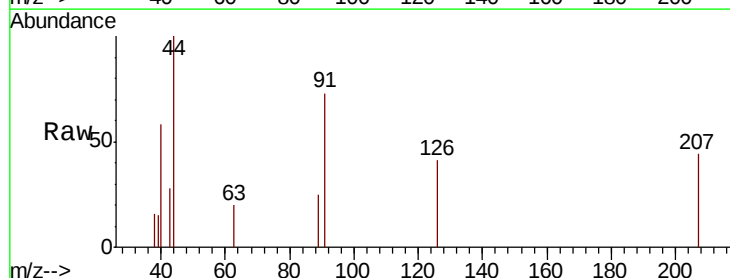
Acq: 19 Oct 2018 9:54

Tgt Ion: 91 Resp: 1310

Ion Ratio Lower Upper

91 100

126 58.2 19.6 58.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.67

800

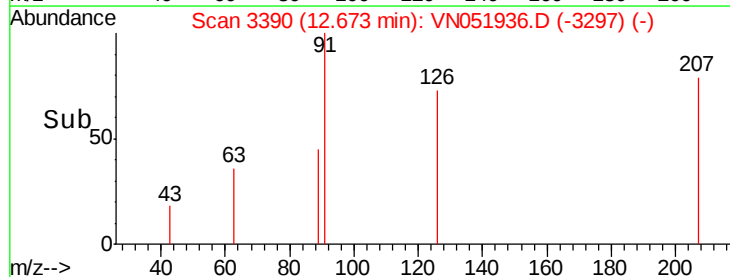
600

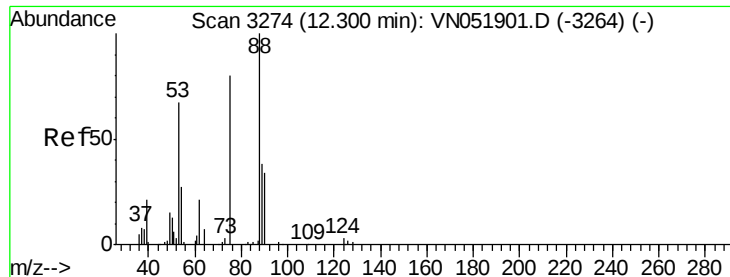
400

200

0

Time--> 12.65 12.70





#81

trans-1,4-Dichloro-2-butene

Concen: 184.295 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051936.D

Acq: 19 Oct 2018 9:54

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBL01

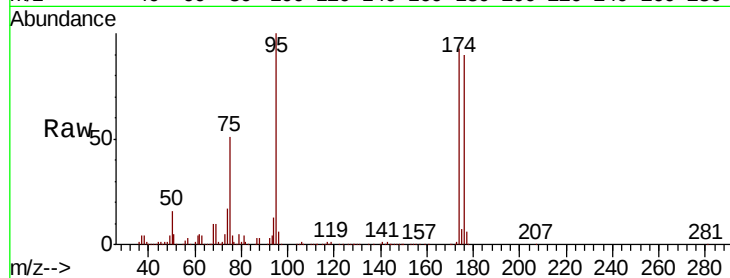
Tot Ion: 75 Resp: 270702

Ion Ratio Lower Upper

75 100

53 0.0 68.5 102.7#

89 0.0 39.0 58.6#



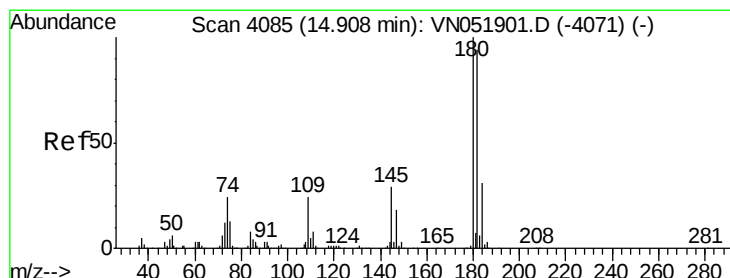
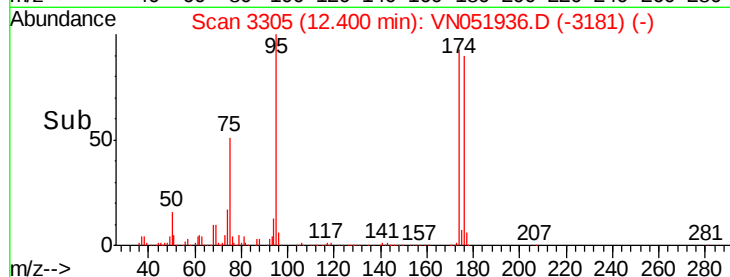
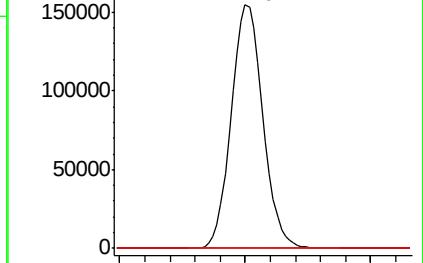
Abundance

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



#93

1,2,4-Trichlorobenzene

Concen: 4.172 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN051936.D

Acq: 19 Oct 2018 9:54

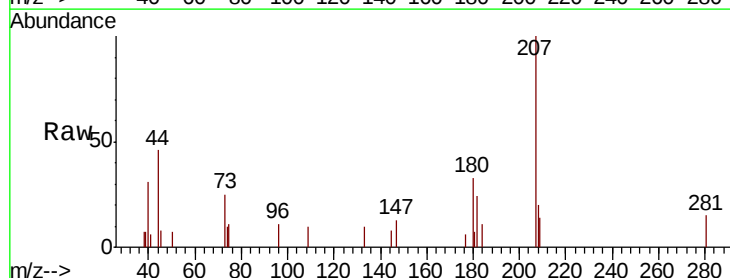
Tgt Ion: 180 Resp: 775

Ion Ratio Lower Upper

180 100

182 0.0 47.3 141.9#

145 15.6 14.5 43.5



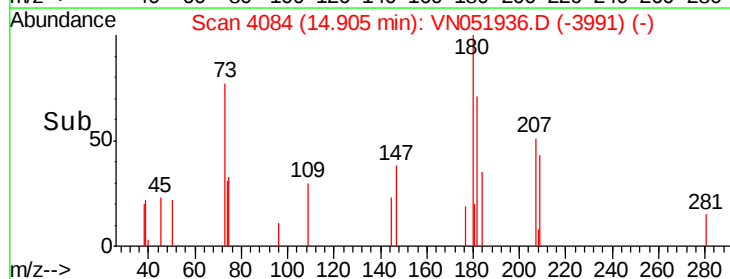
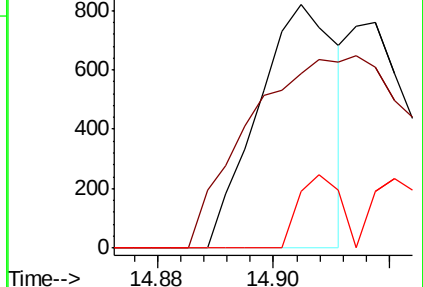
Abundance

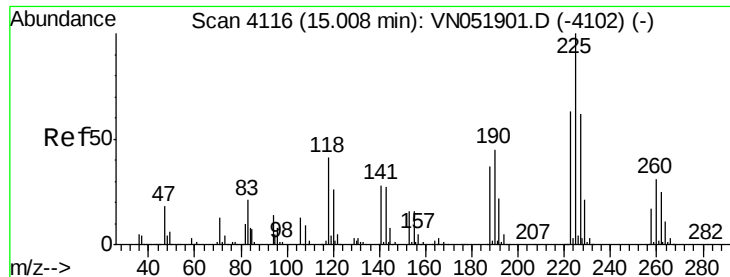
Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

14.90





#94

Hexachlorobutadiene

Concen: 0.395 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN051936.D

Acq: 19 Oct 2018 9:54

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBL01

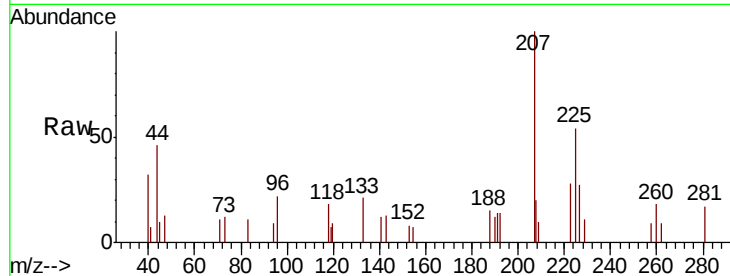
Tot Ion:225 Resp: 1597

Ion Ratio Lower Upper

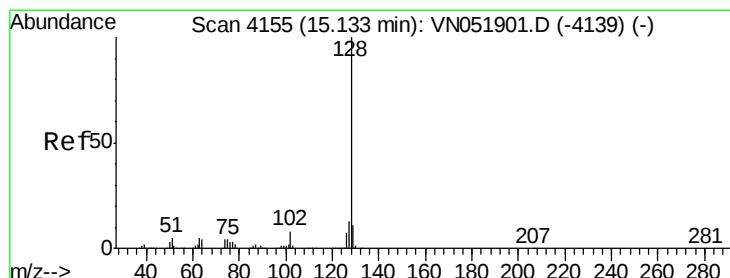
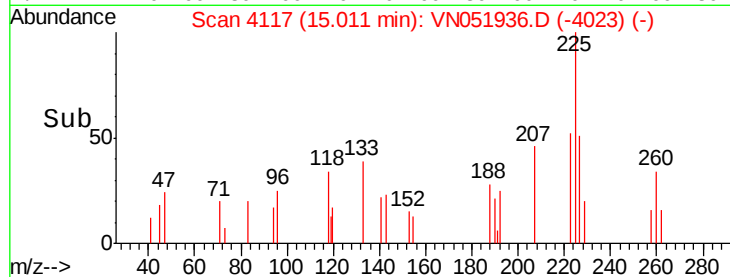
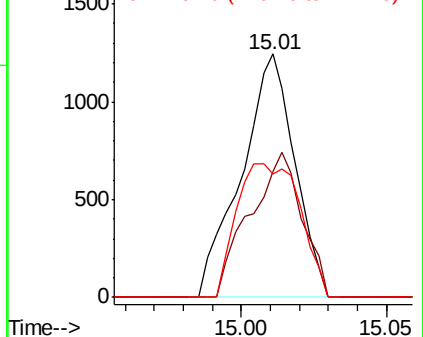
225 100

223 58.0 32.0 96.2

227 65.1 31.9 95.9



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: 4.307 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN051936.D

Acq: 19 Oct 2018 9:54

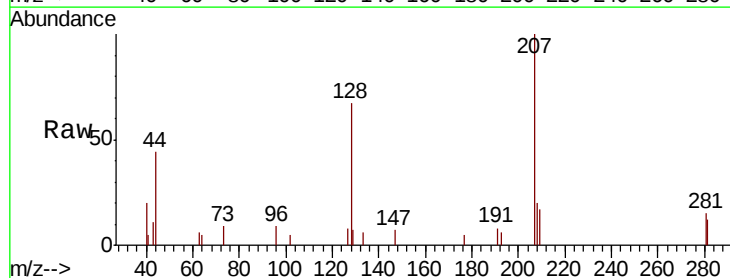
Tgt Ion:128 Resp: 3482

Ion Ratio Lower Upper

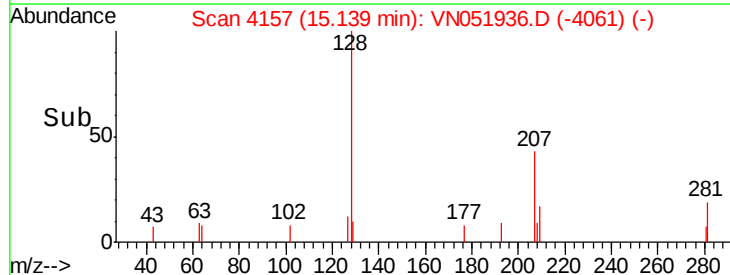
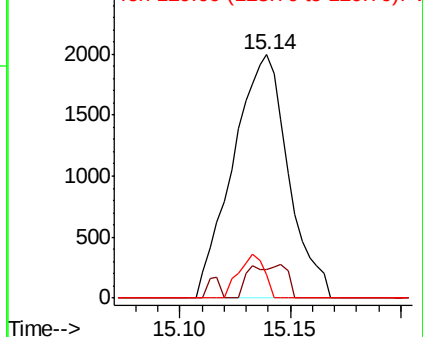
128 100

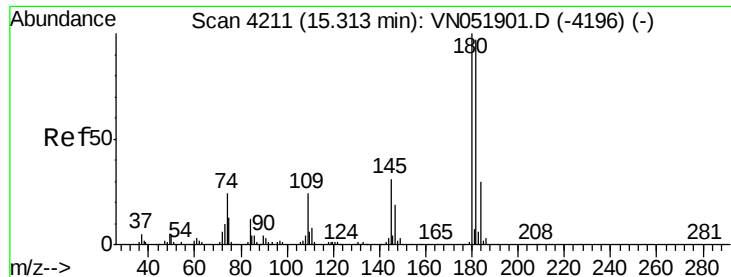
127 9.4 10.2 15.2#

129 8.3 8.5 12.7#



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: 3.130 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN051936.D
 Acq: 19 Oct 2018 9:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	70.7	47.9	143.8
145	7.5	15.2	45.6#

