

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050646.D
 Acq On : 15 Aug 2018 11:31
 Operator : MD\SY
 Sample : J4465-01DL 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 940-MW-01(23)DL

Quant Time: Aug 16 01:26:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	609878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	956905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	860466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	299527	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	405492	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
35) Dibromofluoromethane	7.59	113	382463	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	10.09	98	1372520	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
62) 4-Bromofluorobenzene	12.40	95	382894	40.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.62%	

Target Compounds

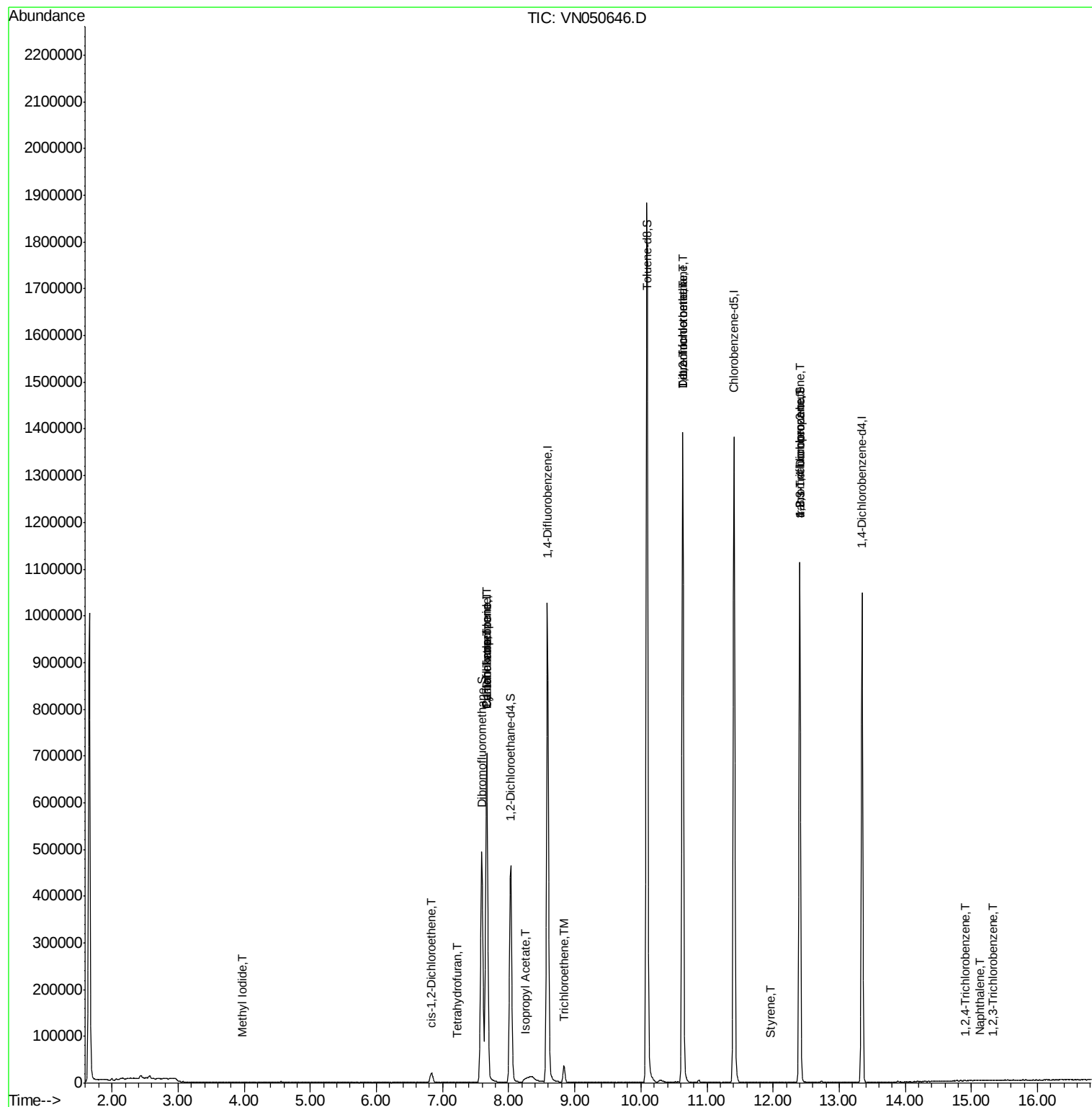
						Qvalue
3) Chloromethane	2.06	50	2469	Below Cal	#	85
5) Bromomethane	2.57	94	3624	Below Cal		95
6) Chloroethane	2.69	64	103	Below Cal	#	43
10) Methyl Iodide	3.97	142	1401	7.18	ug/l #	69
16) Acetone	3.83	43	1226	Below Cal	#	41
18) Methyl Acetate	4.33	43	1474	Below Cal	#	76
20) Methylene Chloride	4.55	84	726	Below Cal	#	90
27) cis-1,2-Dichloroethene	6.83	96	10983	1.37	ug/l	89
29) Tetrahydrofuran	7.22	42	495	0.30	ug/l #	33
31) Cyclohexane	7.66	56	10862	0.59	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	42506	3.99	ug/l #	48
38) Carbon Tetrachloride	7.67	117	55740	5.04	ug/l #	17
43) Isopropyl Acetate	8.24	43	3299	0.30	ug/l #	60
44) Trichloroethene	8.84	130	13898	1.60	ug/l	99
55) 1,1,2-Trichloroethane	10.63	97	2670	0.37	ug/l #	5
60) Dibromochloromethane	10.63	129	308679	38.69	ug/l #	10
64) Tetrachloroethene	10.63	164	351232	43.95	ug/l	99
70) Styrene	11.96	104	215	0.95	ug/l #	26
75) 1,1,2,2-Tetrachloroethane	12.40	83	203	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	179046	36.73	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	179046	132.90	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	262	2.72	ug/l #	64
95) Naphthalene	15.14	128	765	3.92	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.32	180	184	1.97	ug/l #	66

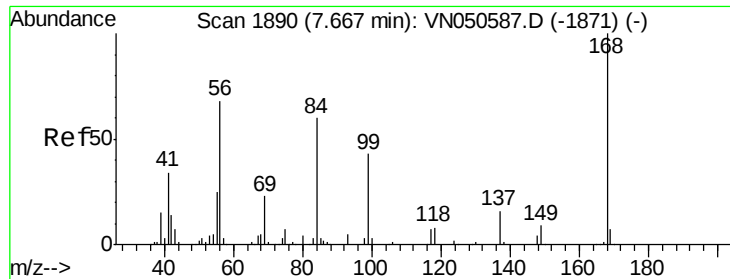
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 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: VN050646.D

Acq: 15 Aug 2018 11:31

Instrument :

MSVOA_N

ClientSampleId :

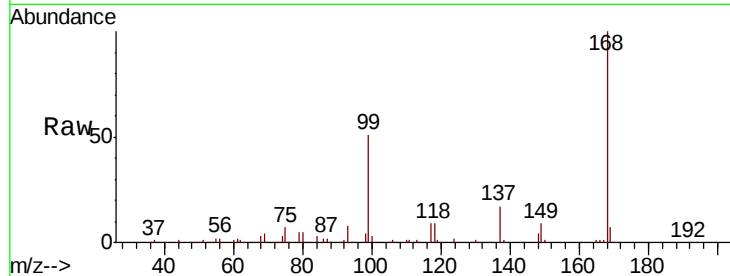
940-MW-01(23)DL

Tot Ion:168 Resp: 609878

Ion Ratio Lower Upper

168 100

99 51.0 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): VN050587.D (-1871) (-)

Ion 98.90 (98.60 to 99.60): VN050587.D (-1871) (-)

7.67

250000

200000

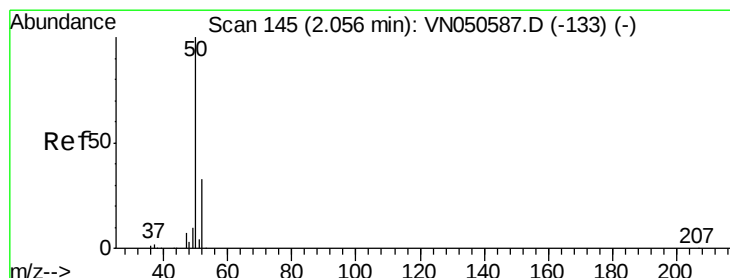
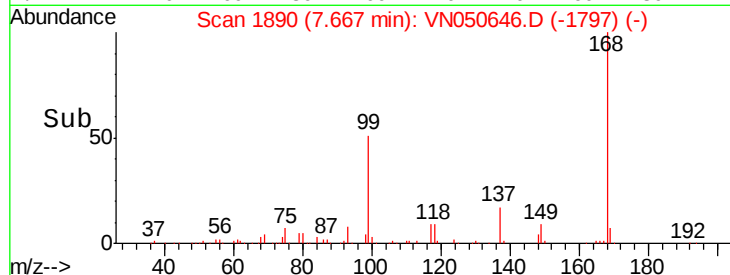
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050646.D

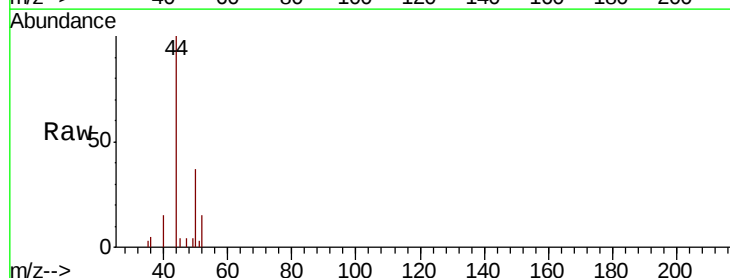
Acq: 15 Aug 2018 11:31

Tgt Ion: 50 Resp: 2469

Ion Ratio Lower Upper

50 100

52 41.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN050587.D (-133) (-)

Ion 51.90 (51.60 to 52.60): VN050587.D (-133) (-)

2.06

2000

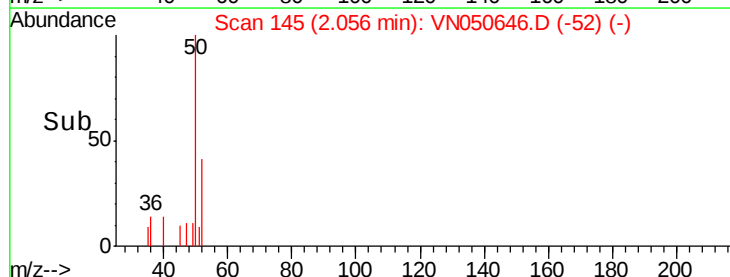
1500

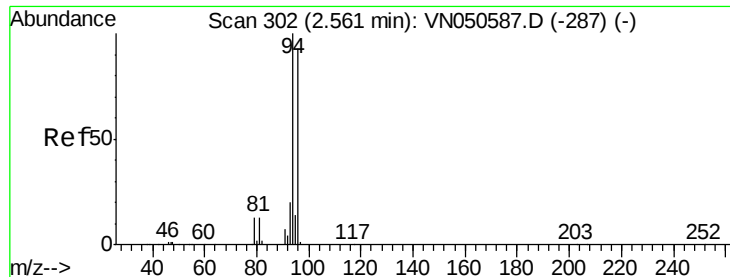
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050646.D

Acq: 15 Aug 2018 11:31

Instrument :

MSVOA_N

ClientSampleId :

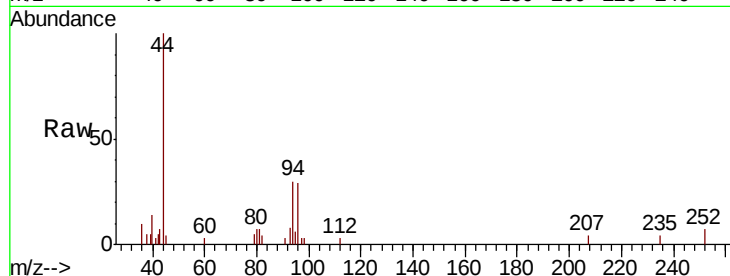
940-MW-01(23)DL

Tot Ion: 94 Resp: 3624

Ion Ratio Lower Upper

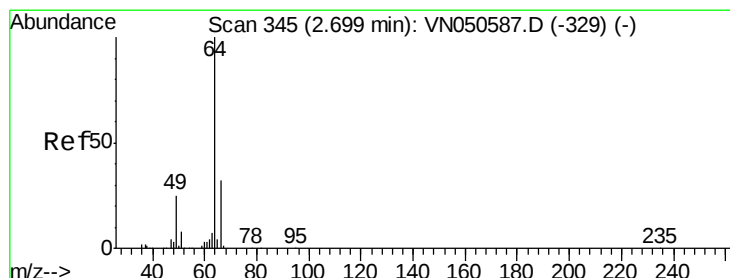
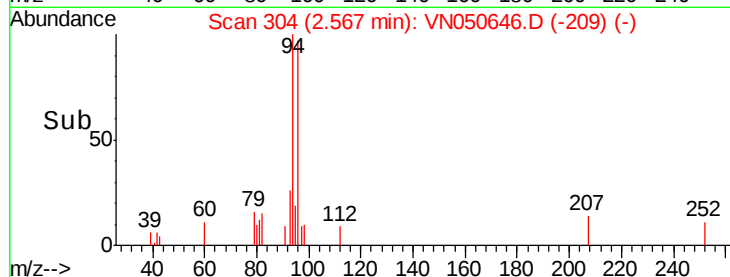
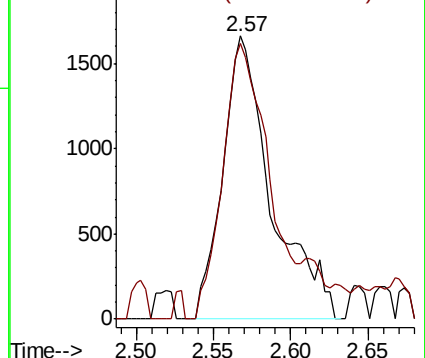
94 100

96 97.2 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: Below Cal

RT: 2.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VN050646.D

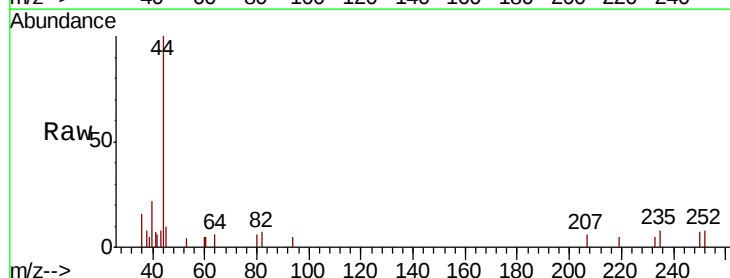
Acq: 15 Aug 2018 11:31

Tgt Ion: 64 Resp: 103

Ion Ratio Lower Upper

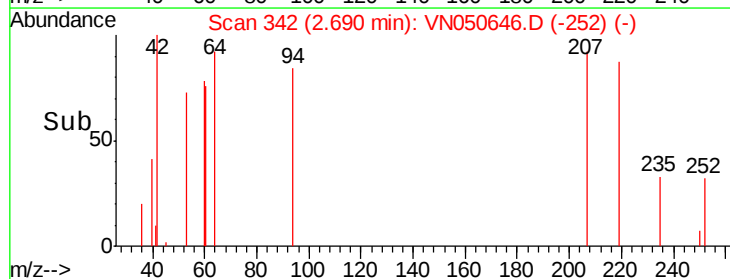
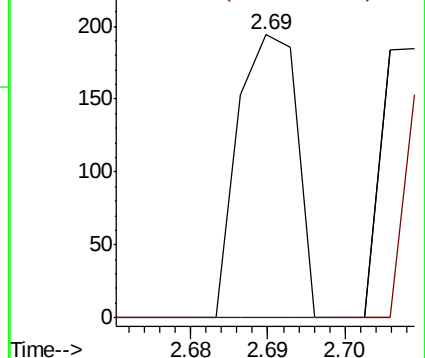
64 100

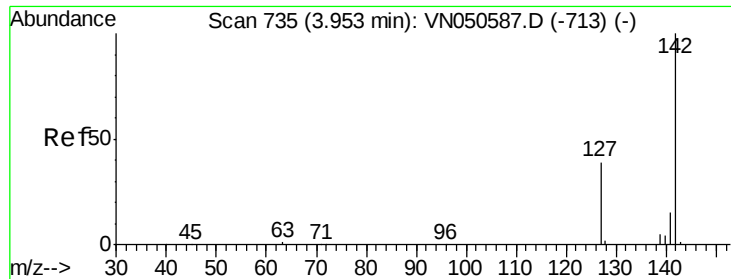
66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

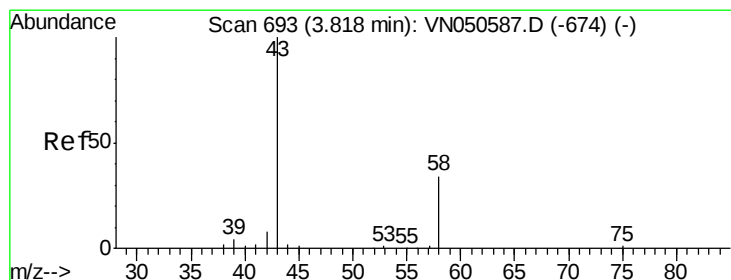
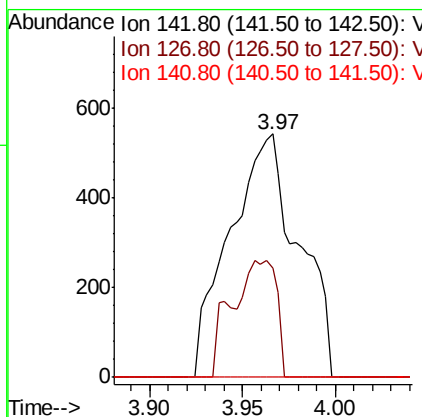
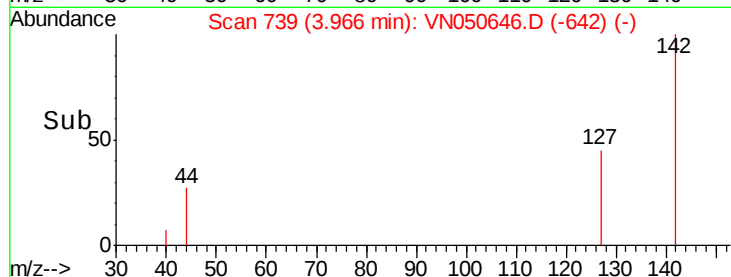
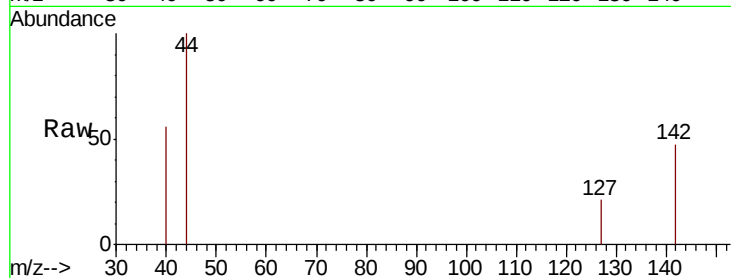




#10
Methvl Iodide
Concen: 7.18 ug/l
RT: 3.97 min Scan# 739
Delta R.T. 0.01 min
Lab File: VN050646.D
Acq: 15 Aug 2018 11:31

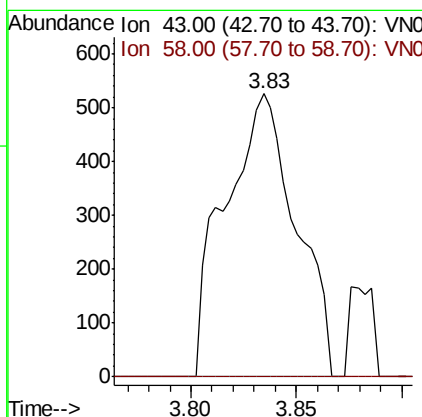
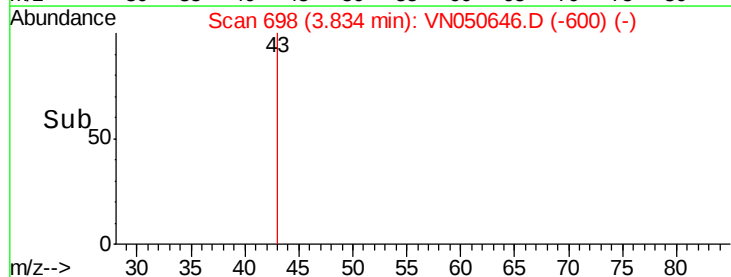
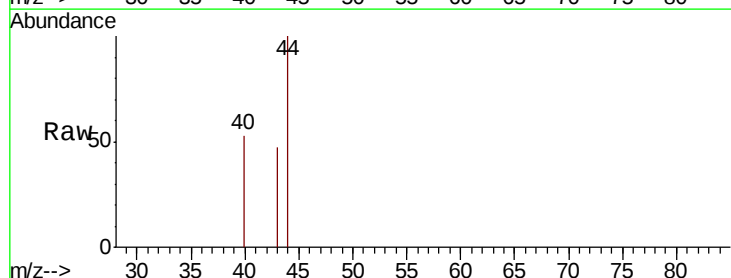
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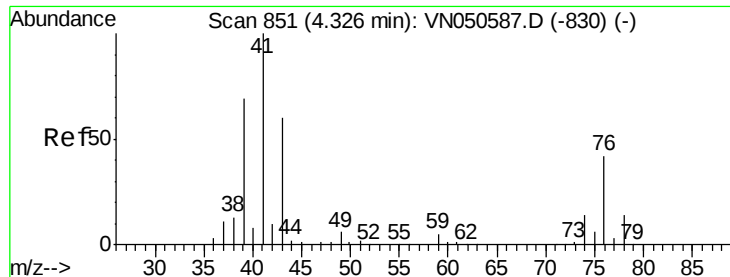
Tot Ion:142 Resp: 1401
Ion Ratio Lower Upper
142 100
127 22.3 32.6 49.0#
141 0.0 11.5 17.3#



#16
Acetone
Concen: Below Cal
RT: 3.83 min Scan# 698
Delta R.T. 0.02 min
Lab File: VN050646.D
Acq: 15 Aug 2018 11:31

Tgt Ion: 43 Resp: 1226
Ion Ratio Lower Upper
43 100
58 0.0 27.1 40.7#

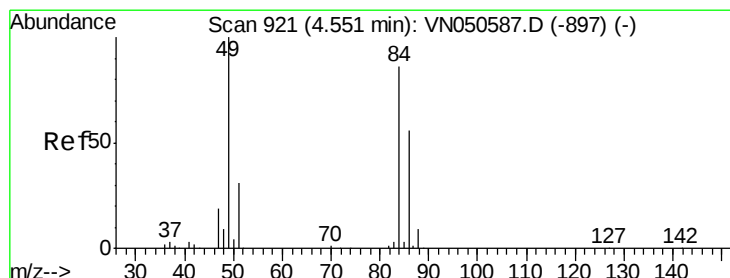
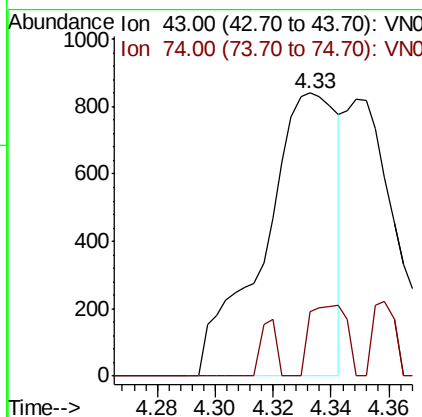
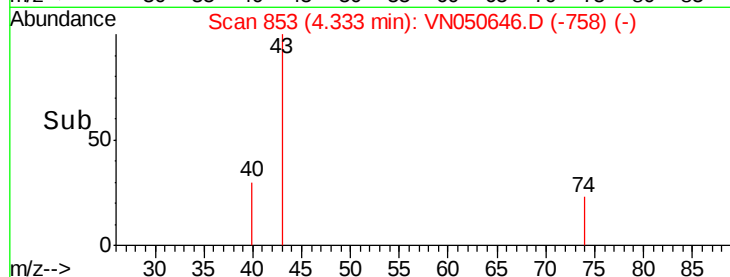
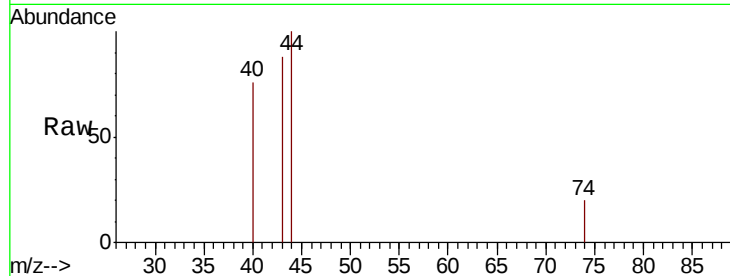




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN050646.D
Acq: 15 Aug 2018 11:31

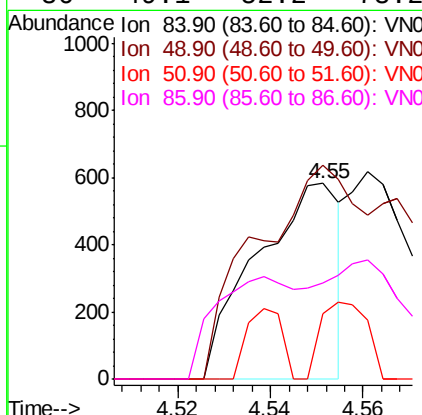
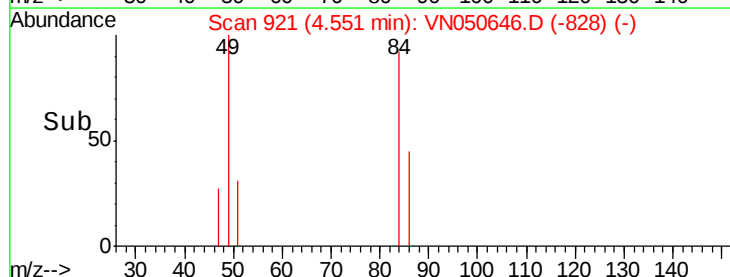
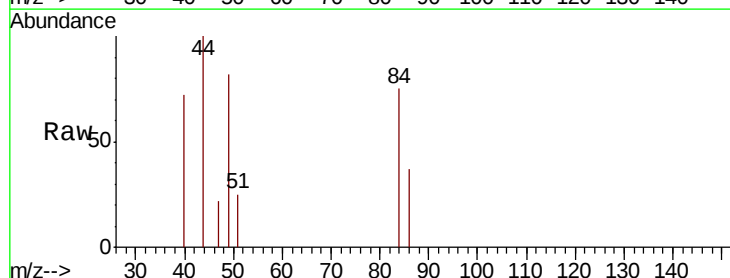
Instrument :
MSVOA_N
ClientSampleId :
940-MW-01(23)DL

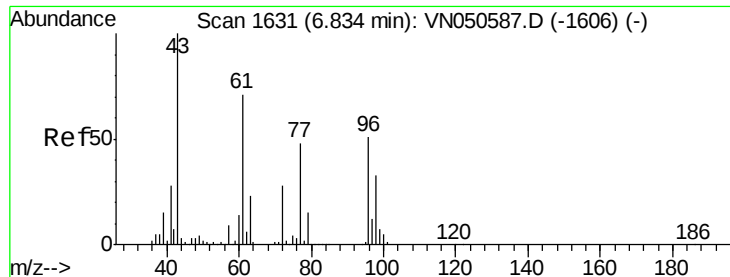
Tot Ion: 43 Resp: 1474
Ion Ratio Lower Upper
43 100
74 12.8 19.7 29.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050646.D
Acq: 15 Aug 2018 11:31

Tgt Ion: 84 Resp: 726
Ion Ratio Lower Upper
84 100
49 109.3 92.6 138.8
51 33.3 28.6 43.0
86 49.1 52.2 78.2#

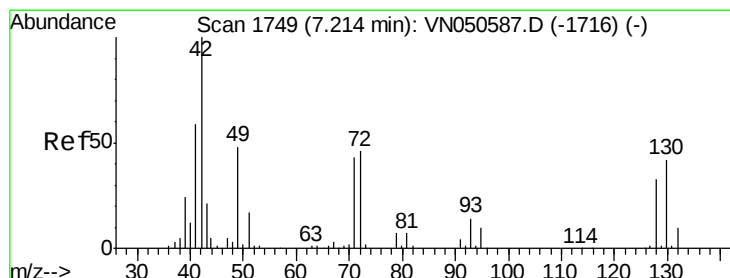
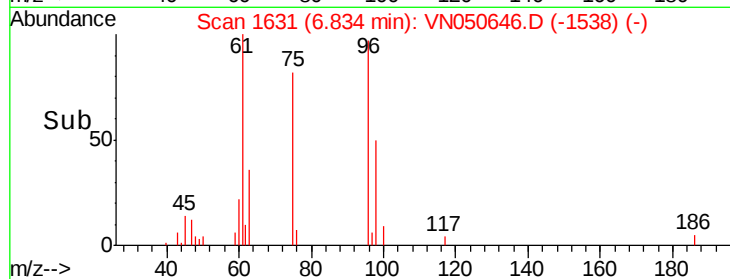
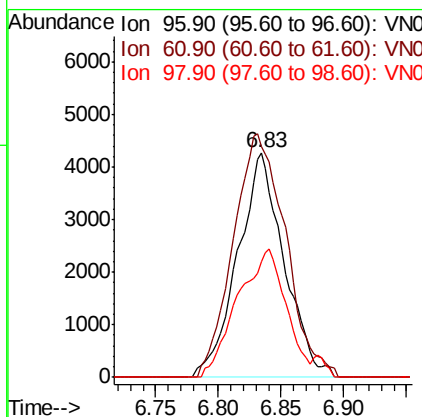
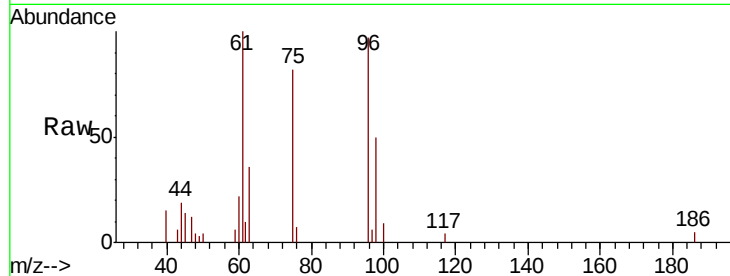




#27
 cis-1,2-Dichloroethene
 Concen: 1.37 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050646.D
 Acq: 15 Aug 2018 11:31

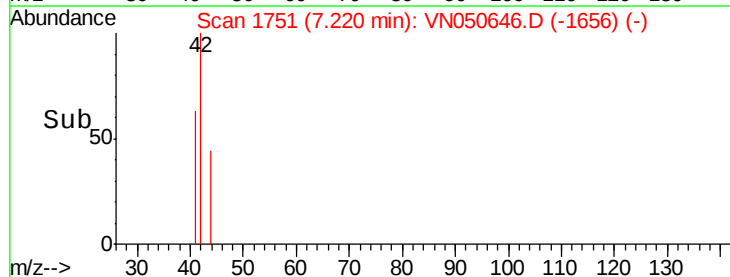
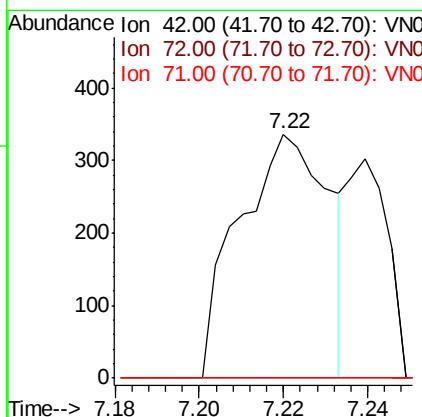
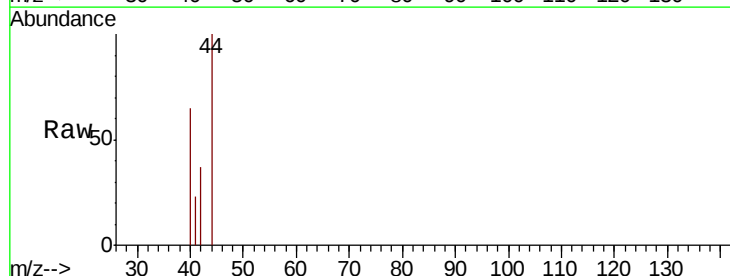
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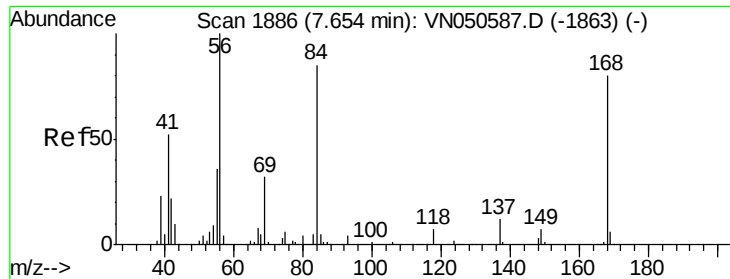
Tot Ion: 96 Resp: 10983
 Ion Ratio Lower Upper
 96 100
 61 122.2 0.0 278.2
 98 59.6 0.0 128.8



#29
 Tetrahydrofuran
 Concen: 0.30 ug/l
 RT: 7.22 min Scan# 1751
 Delta R.T. 0.01 min
 Lab File: VN050646.D
 Acq: 15 Aug 2018 11:31

Tgt Ion: 42 Resp: 495
 Ion Ratio Lower Upper
 42 100
 72 0.0 35.8 53.6#
 71 0.0 33.4 50.0#

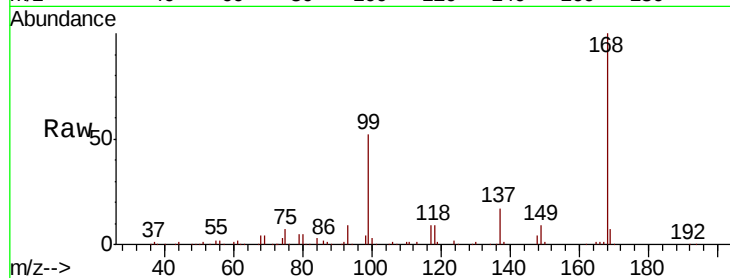




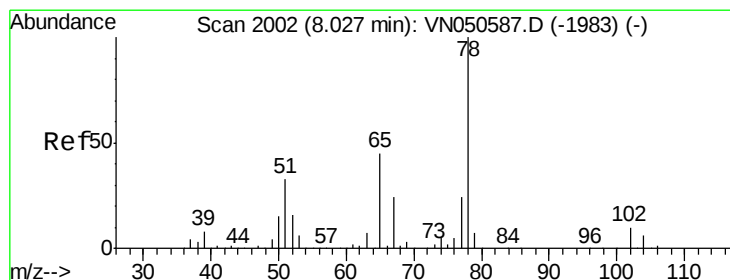
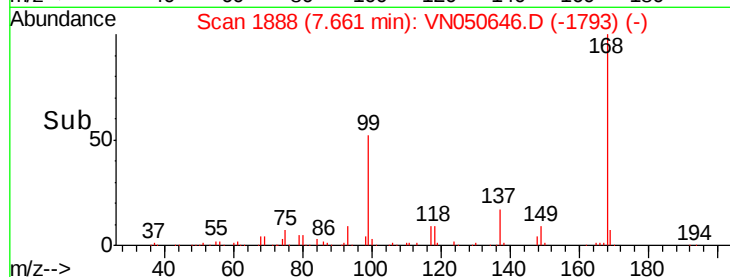
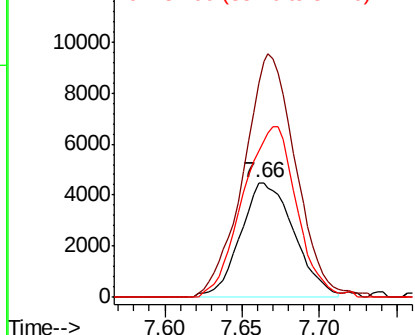
#31
Cyclohexane
Concen: 0.59 ug/l
RT: 7.66 min Scan# 1888
Delta R.T. 0.01 min
Lab File: VN050646.D
Acq: 15 Aug 2018 11:31

Instrument :
MSVOA_N
ClientSampleId :
940-MW-01(23)DL

Tot Ion: 56 Resp: 10862
Ion Ratio Lower Upper
56 100
69 186.3 25.8 38.6#
84 127.9 67.8 101.6#

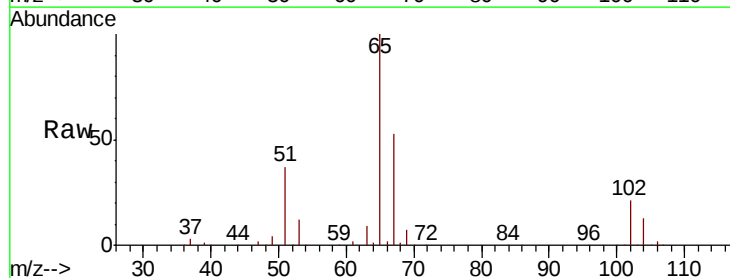


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

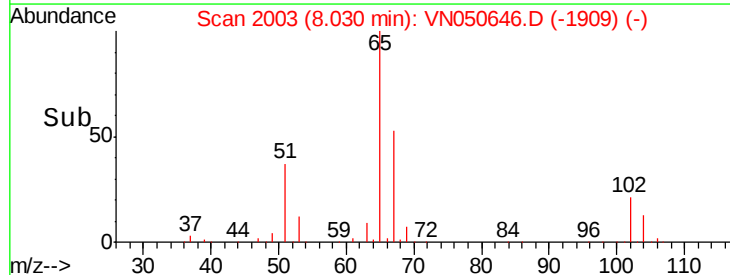
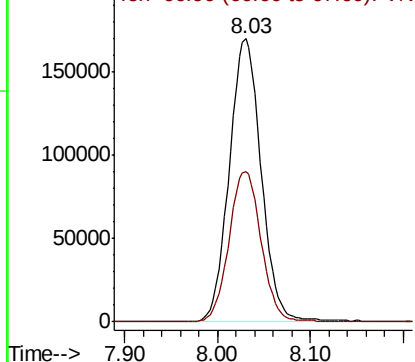


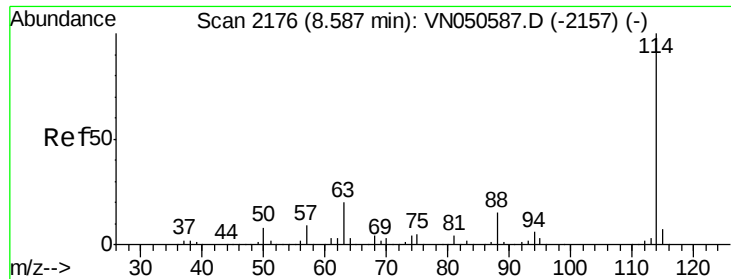
#33
1,2-Dichloroethane-d4
Concen: 52.75 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050646.D
Acq: 15 Aug 2018 11:31

Tgt Ion: 65 Resp: 405492
Ion Ratio Lower Upper
65 100
67 53.6 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

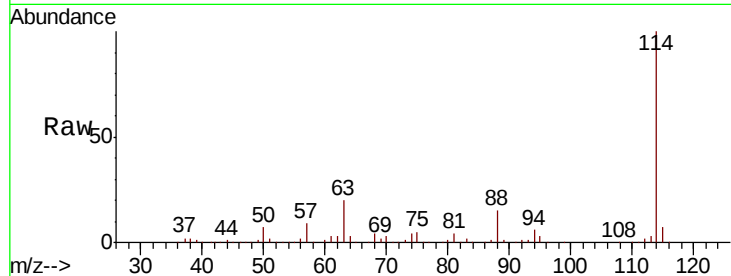




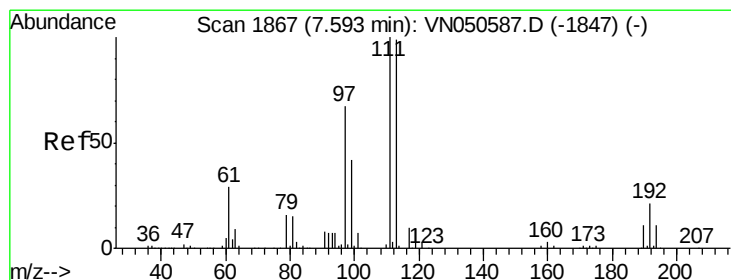
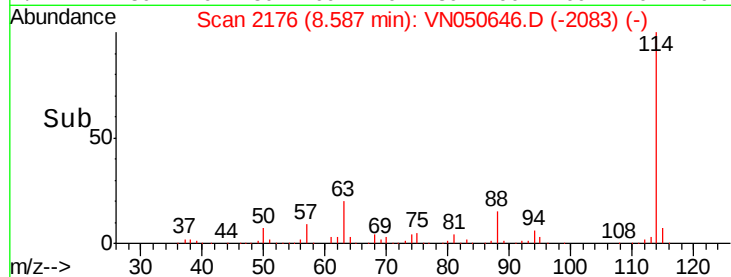
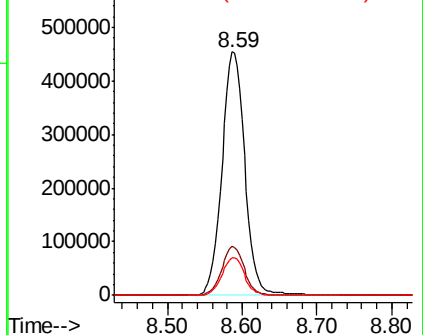
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050646.D
 Acq: 15 Aug 2018 11:31

Instrument :
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 940-MW-01(23)DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.0
88	15.2	0.0	30.8

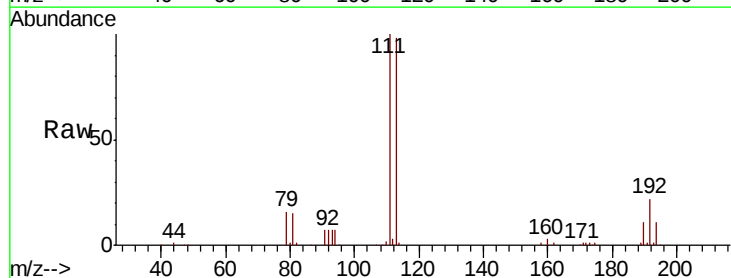


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

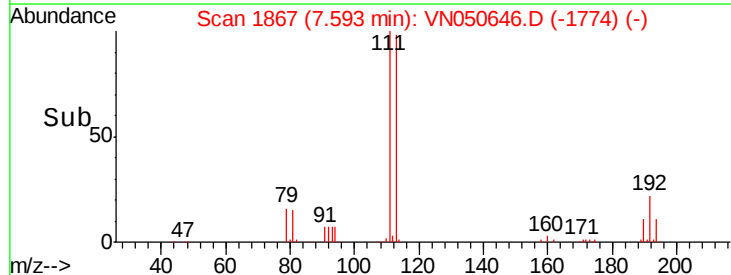
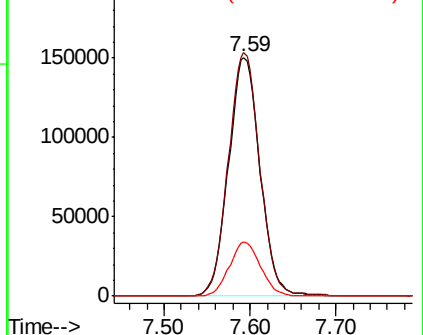


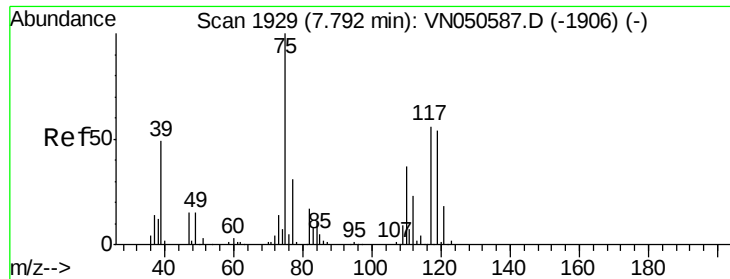
#35
 Dibromofluoromethane
 Concen: 50.06 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050646.D
 Acq: 15 Aug 2018 11:31

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.0	121.6
192	22.5	17.6	26.4



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

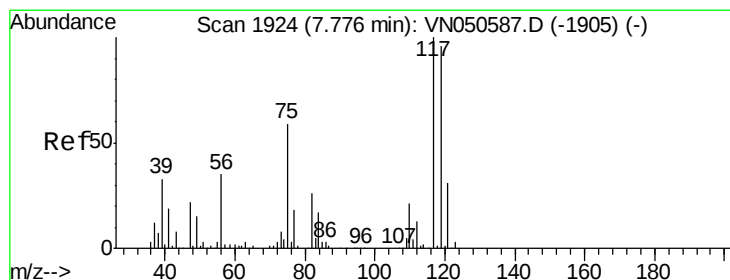
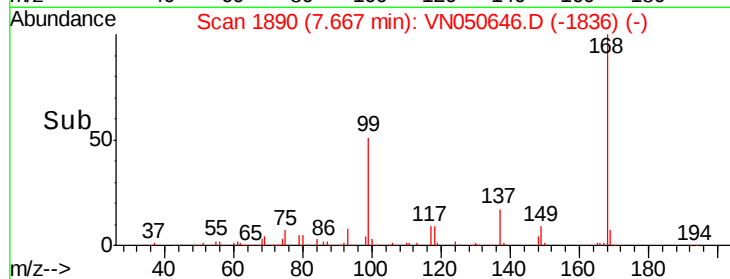
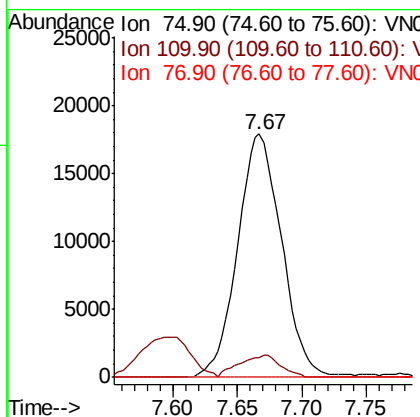
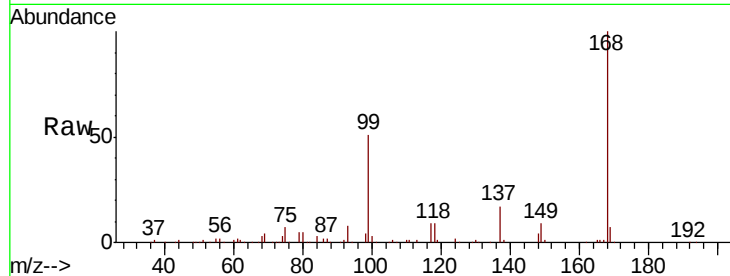




#36
 1,1-Dichloropropene
 Concen: 3.99 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050646.D
 Acq: 15 Aug 2018 11:31

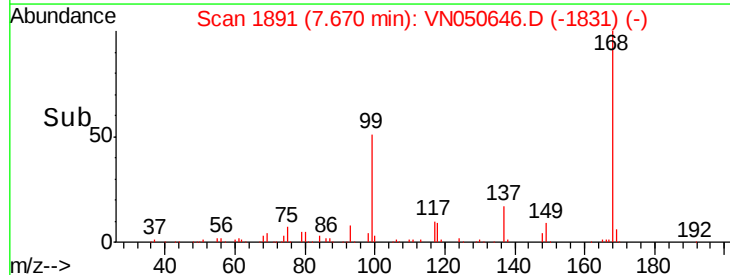
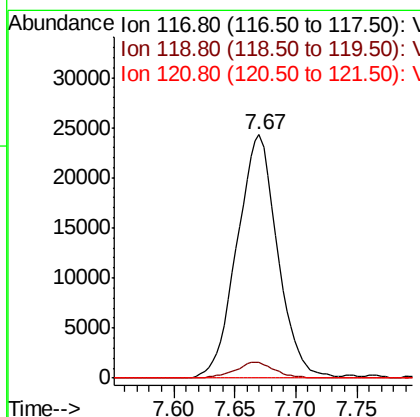
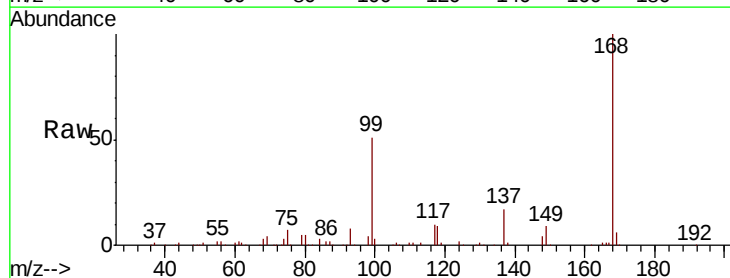
Instrument :
 MSVOA_N
 ClientSampleId :
 940-MW-01(23)DL

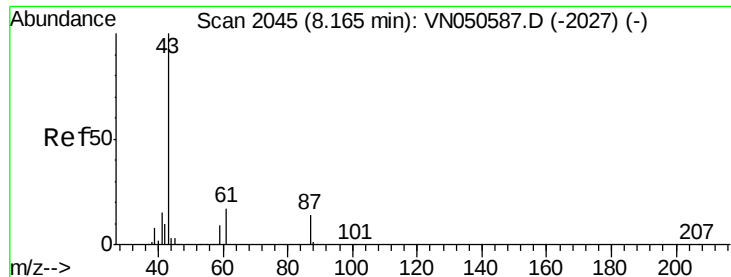
Tot Ion	75	Resp	42506
Ion Ratio	100	Lower	Upper
75	100		
110	8.6	18.3	54.9#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.04 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN050646.D
 Acq: 15 Aug 2018 11:31

Tgt Ion	117	Resp	55740
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	6.2	76.6	115.0#
121	0.0	25.0	37.6#



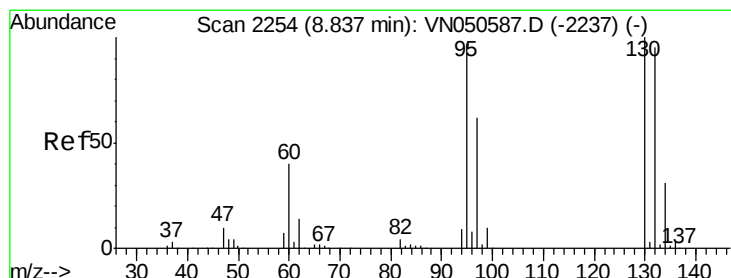
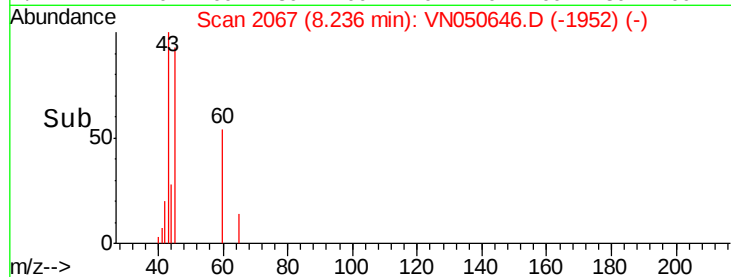
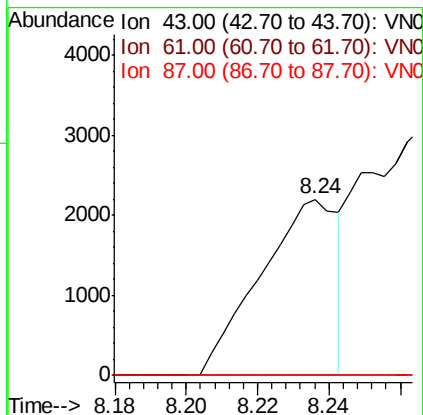
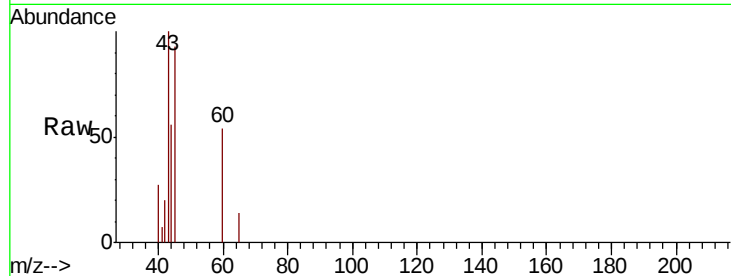


#43

Isopropyl Acetate
 Concen: 0.30 ug/l
 RT: 8.24 min Scan# 2067
 Delta R.T. 0.07 min
 Lab File: VN050646.D
 Acq: 15 Aug 2018 11:31

Instrument :
 MSVOA_N
 ClientSampleId :
 940-MW-01(23)DL

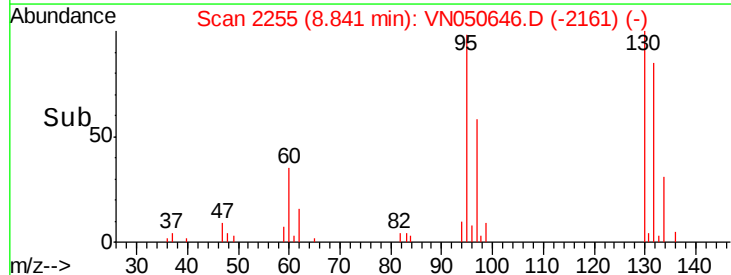
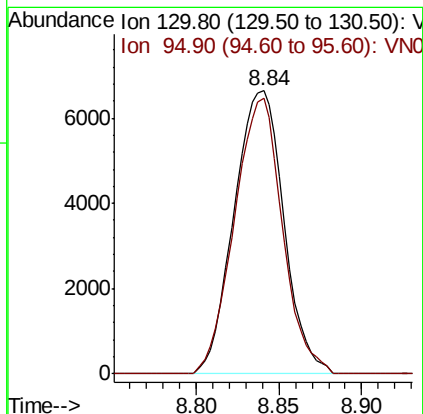
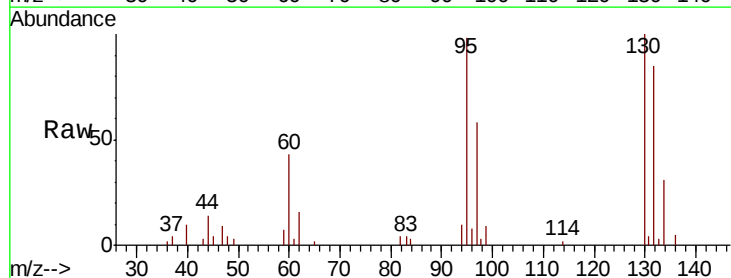
Tot Ion: 43 Resp: 3299
 Ion Ratio Lower Upper
 43 100
 61 0.0 16.2 24.2#
 87 0.0 10.9 16.3#

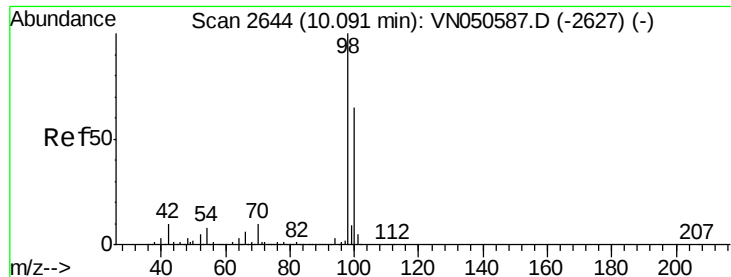


#44

Trichloroethene
 Concen: 1.60 ug/l
 RT: 8.84 min Scan# 2255
 Delta R.T. 0.00 min
 Lab File: VN050646.D
 Acq: 15 Aug 2018 11:31

Tgt Ion: 130 Resp: 13898
 Ion Ratio Lower Upper
 130 100
 95 97.5 0.0 193.8





#50

Toluene-d8

Concen: 47.74 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050646.D

Acq: 15 Aug 2018 11:31

Instrument :

MSVOA_N

ClientSampleId :

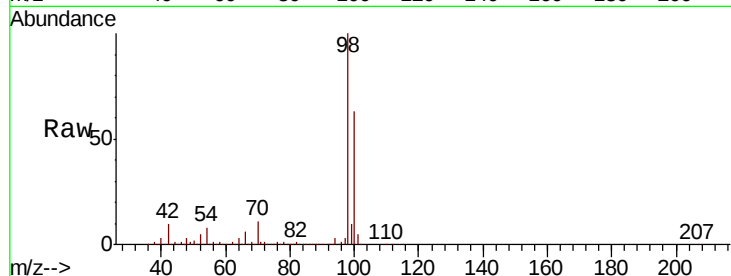
940-MW-01(23)DL

Tot Ion: 98 Resp: 1372520

Ion Ratio Lower Upper

98 100

100 63.3 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

800000

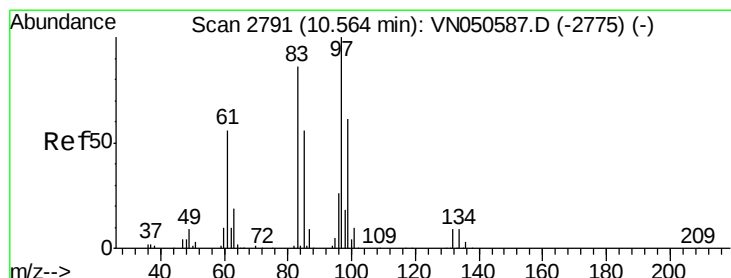
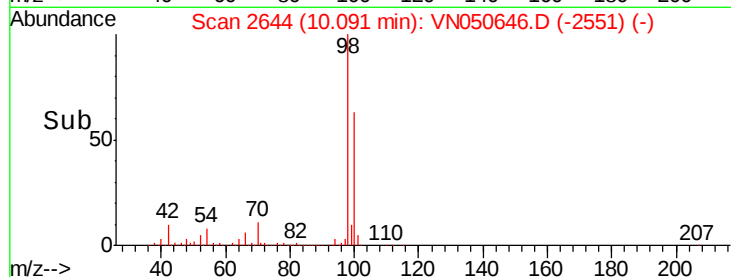
600000

400000

200000

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 0.37 ug/l

RT: 10.63 min Scan# 2811

Delta R.T. 0.06 min

Lab File: VN050646.D

Acq: 15 Aug 2018 11:31

Tgt Ion: 97 Resp: 2670

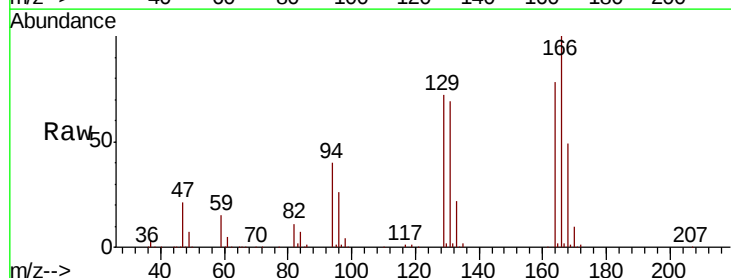
Ion Ratio Lower Upper

97 100

83 234.9 68.5 102.7#

85 34.9 44.6 66.8#

99 15.2 49.1 73.7#



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

6000

5000

4000

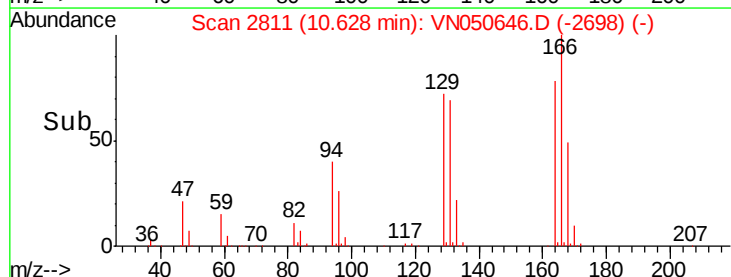
3000

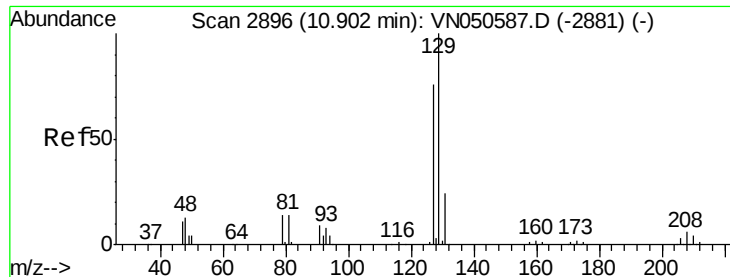
2000

1000

0

Time-->

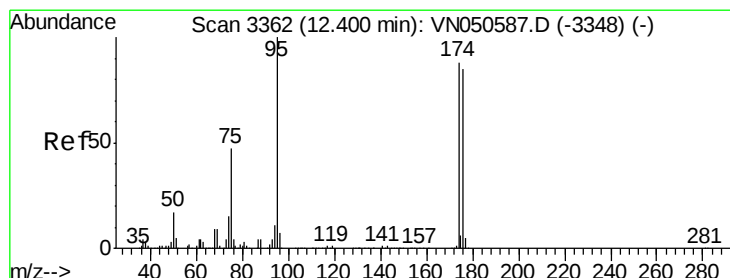
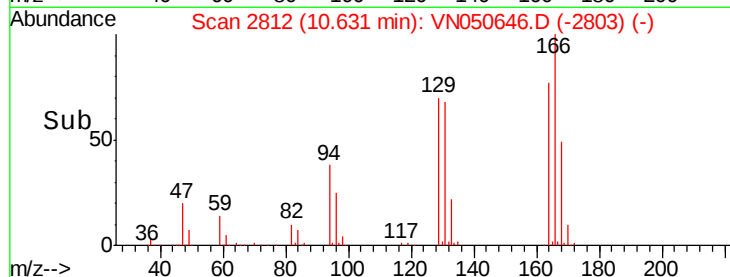
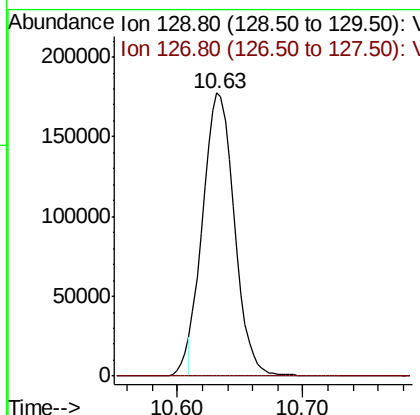
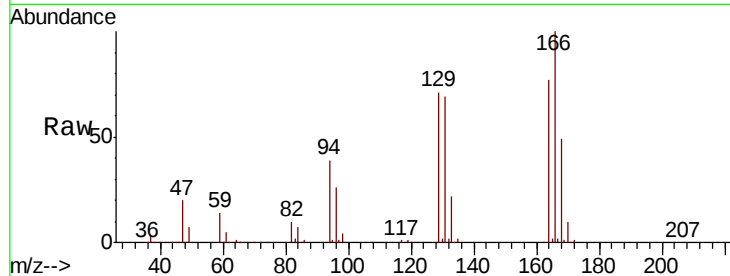




#60
 Dibromochloromethane
 Concen: 38.69 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. -0.27 min
 Lab File: VN050646.D
 Acq: 15 Aug 2018 11:31

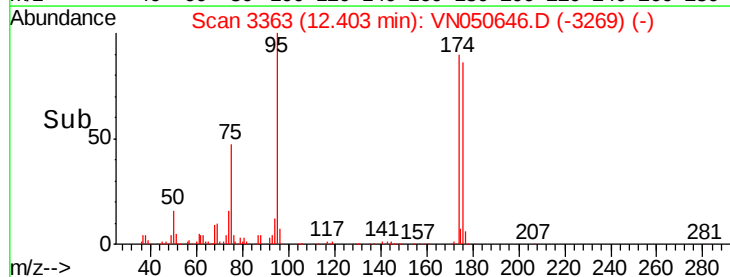
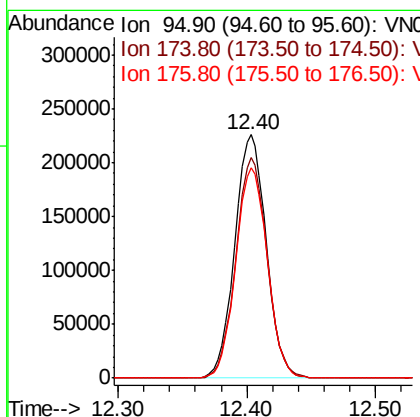
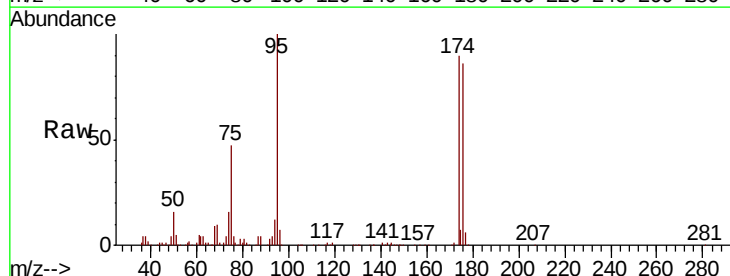
Instrument :
 MSVOA_N
 ClientSampleId :
 940-MW-01(23)DL

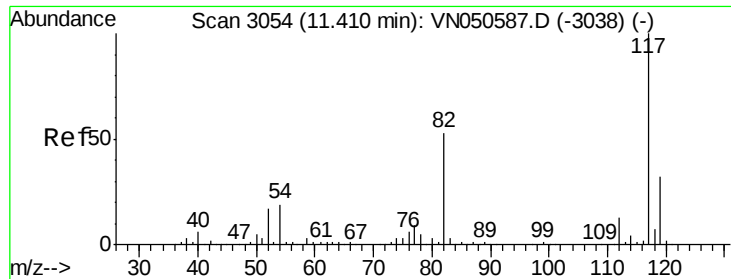
Tot Ion:129 Resp: 308679
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.9 116.7#



#62
 4-Bromofluorobenzene
 Concen: 40.31 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050646.D
 Acq: 15 Aug 2018 11:31

Tgt Ion: 95 Resp: 382894
 Ion Ratio Lower Upper
 95 100
 174 89.8 0.0 177.8
 176 86.9 0.0 175.0

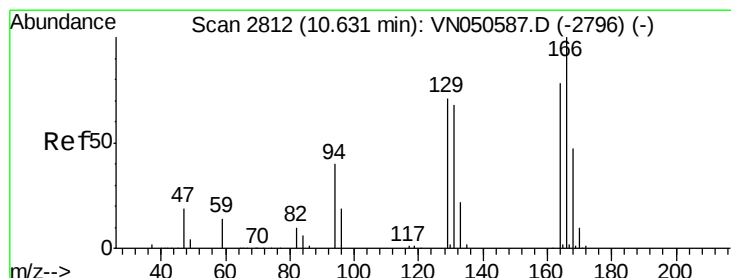
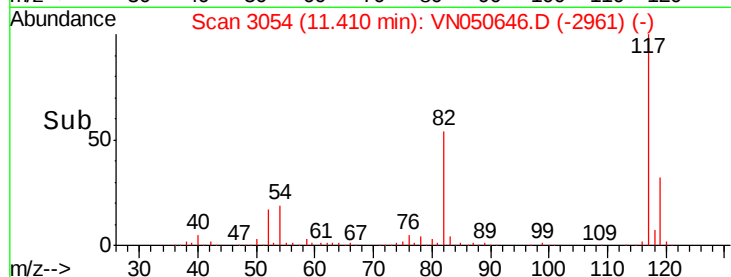
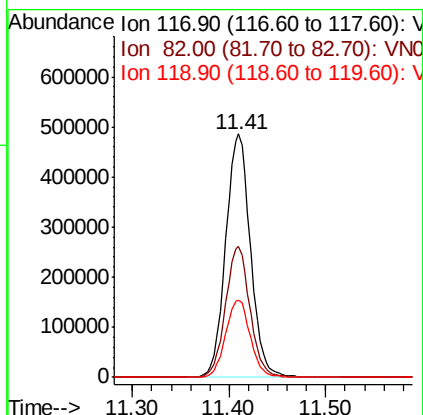
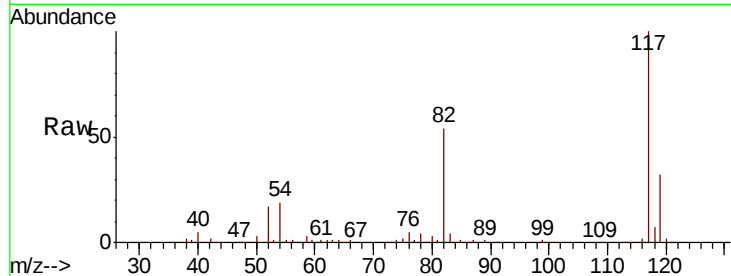




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050646.D
Acq: 15 Aug 2018 11:31

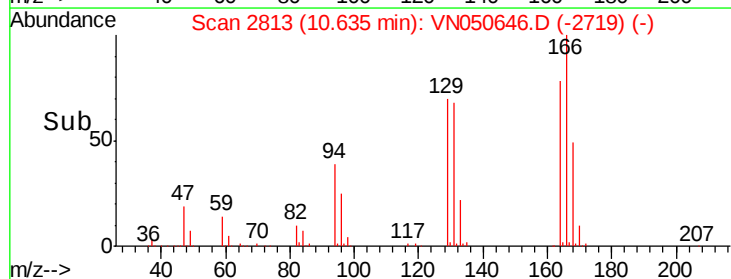
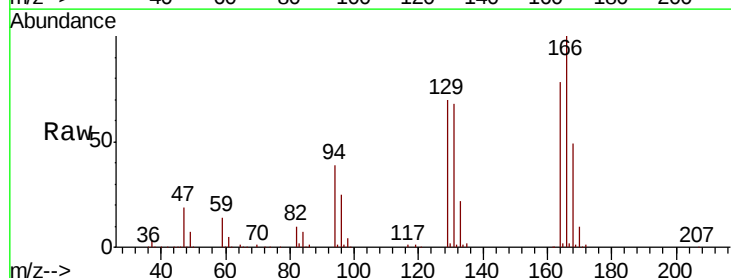
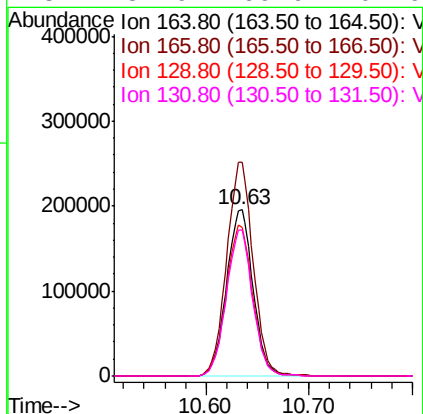
Instrument :
MSVOA_N
ClientSampleId :
940-MW-01(23)DL

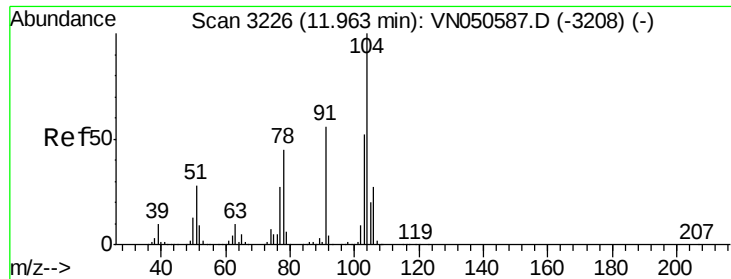
Tot Ion:117 Resp: 860466
Ion Ratio Lower Upper
117 100
82 53.6 42.4 63.6
119 31.9 25.8 38.8



#64
Tetrachloroethene
Concen: 43.95 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050646.D
Acq: 15 Aug 2018 11:31

Tgt Ion:164 Resp: 351232
Ion Ratio Lower Upper
164 100
166 128.8 102.1 153.1
129 89.8 72.7 109.1
131 87.9 69.9 104.9





#70

Stvrene

Concen: 0.95 ug/l

RT: 11.96 min Scan# 3225

Delta R.T. -0.00 min

Lab File: VN050646.D

Acq: 15 Aug 2018 11:31

Instrument :

MSVOA_N

ClientSampleId :

940-MW-01(23)DL

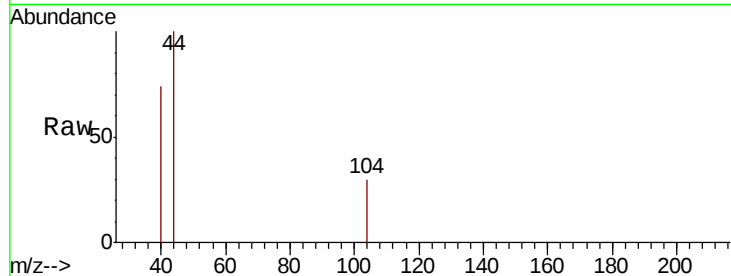
Tot Ion:104 Resp: 215

Ion Ratio Lower Upper

104 100

78 0.0 39.1 58.7#

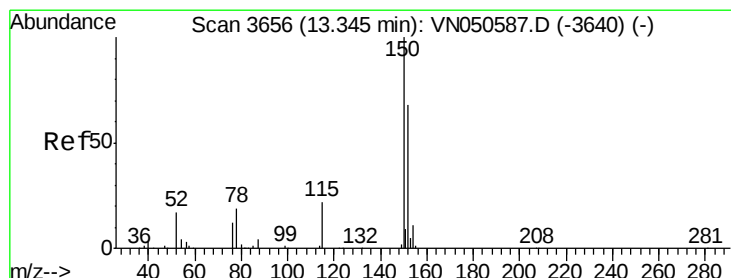
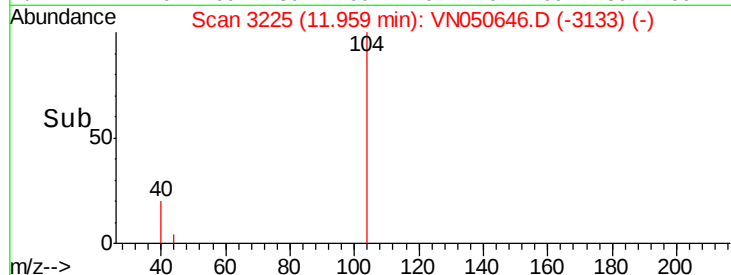
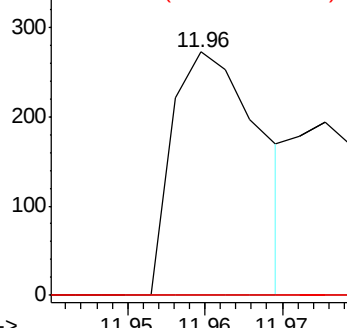
103 0.0 44.9 67.3#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050646.D

Acq: 15 Aug 2018 11:31

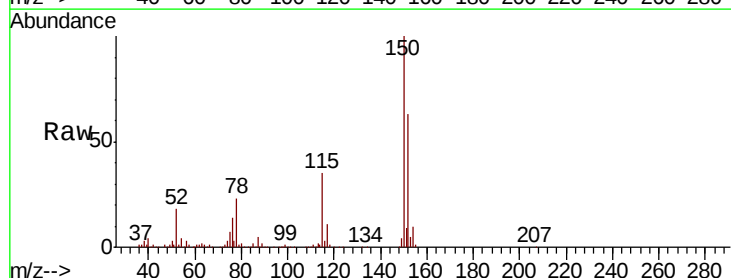
Tgt Ion:152 Resp: 299527

Ion Ratio Lower Upper

152 100

115 57.0 28.1 84.2

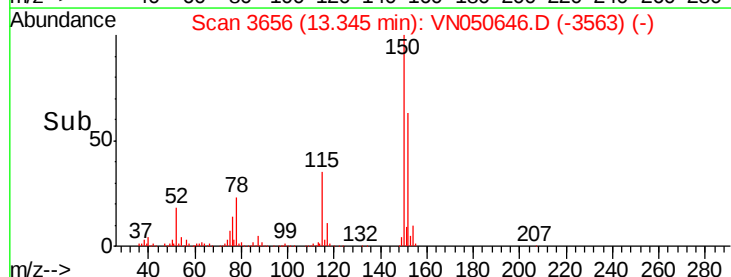
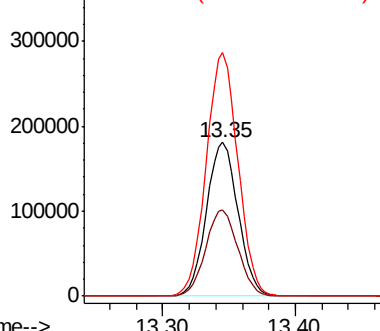
150 158.3 0.0 347.8

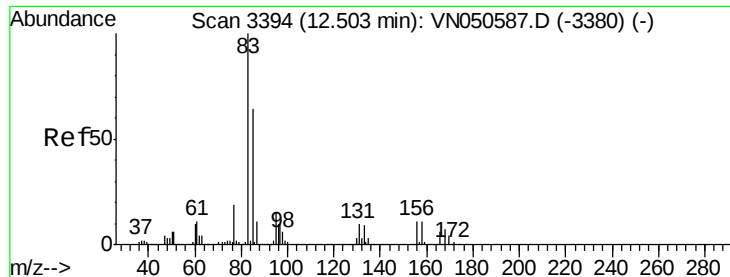


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3362

Delta R.T. -0.10 min

Lab File: VN050646.D

Acq: 15 Aug 2018 11:31

Instrument :

MSVOA_N

ClientSampleId :

940-MW-01(23)DL

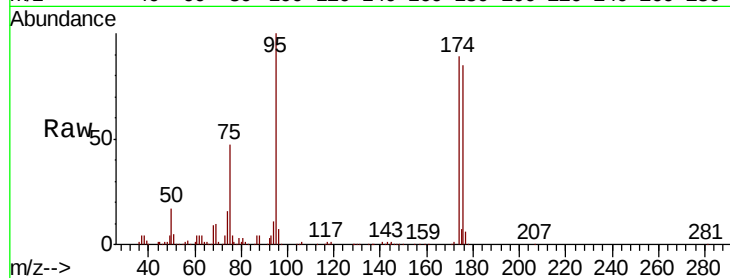
Tot Ion: 83 Resp: 203

Ion Ratio Lower Upper

83 100

131 195.6 5.3 15.9#

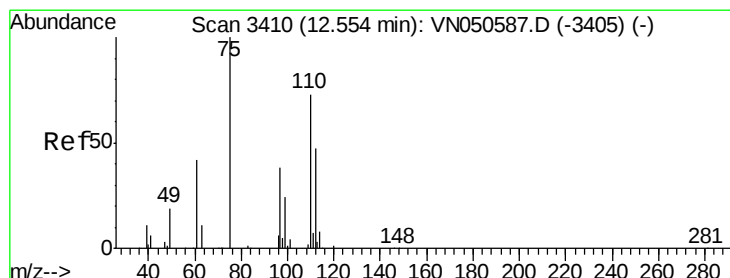
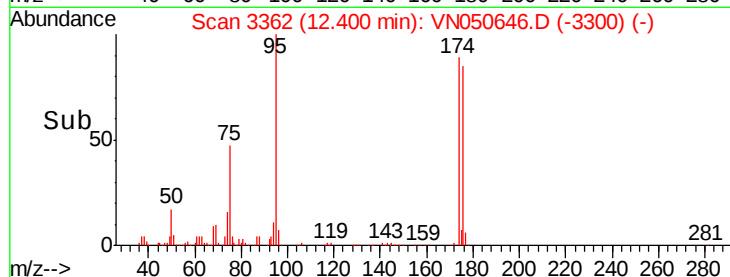
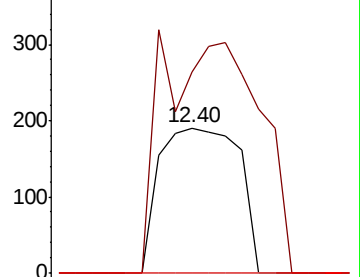
85 0.0 32.1 96.5#



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: 36.73 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050646.D

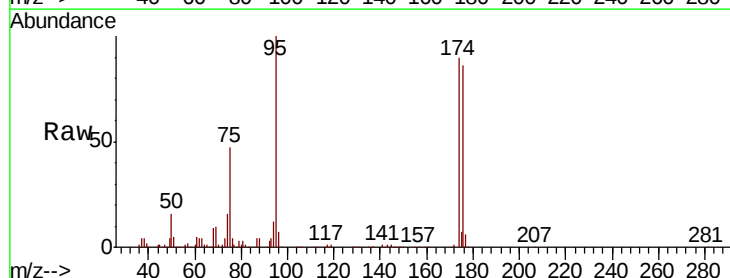
Acq: 15 Aug 2018 11:31

Tgt Ion: 75 Resp: 179046

Ion Ratio Lower Upper

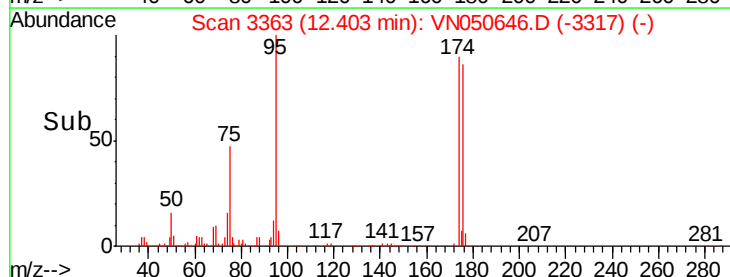
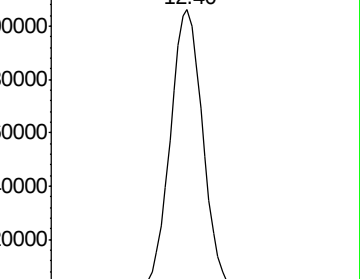
75 100

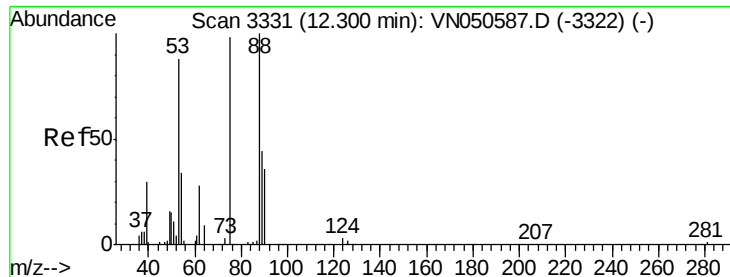
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 132.90 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050646.D

Acq: 15 Aug 2018 11:31

Instrument :

MSVOA_N

ClientSampleId :

940-MW-01(23)DL

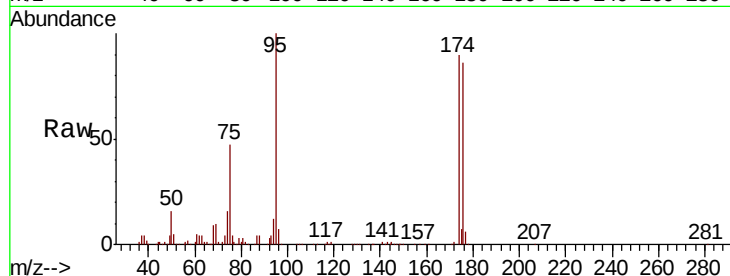
Tot Ion: 75 Resp: 179046

Ion Ratio Lower Upper

75 100

53 0.1 72.2 108.2#

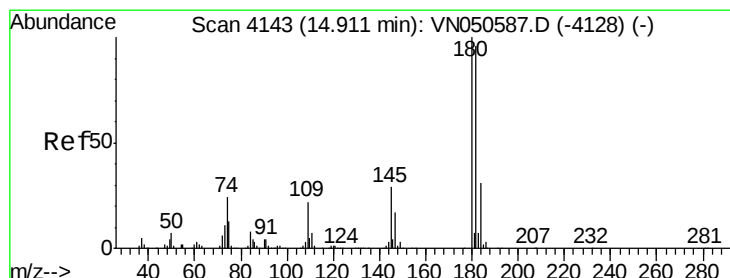
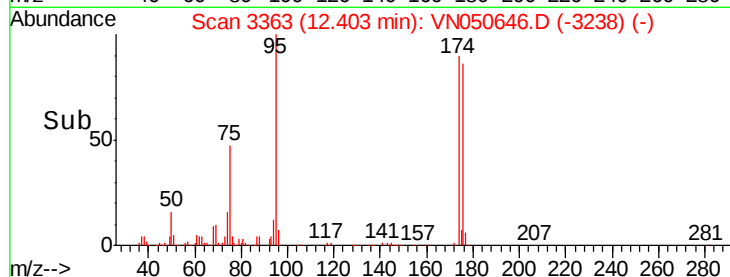
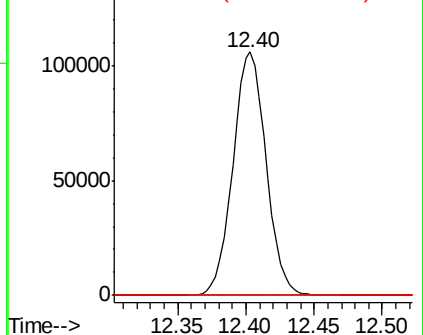
89 0.0 36.3 54.5#



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



#93

1,2,4-Trichlorobenzene

Concen: 2.72 ug/l

RT: 14.91 min Scan# 4142

Delta R.T. -0.00 min

Lab File: VN050646.D

Acq: 15 Aug 2018 11:31

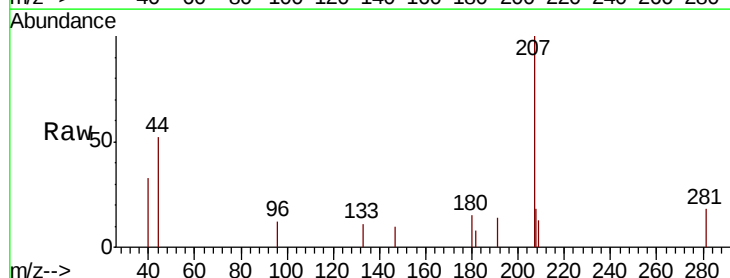
Tgt Ion: 180 Resp: 262

Ion Ratio Lower Upper

180 100

182 125.6 47.9 143.7

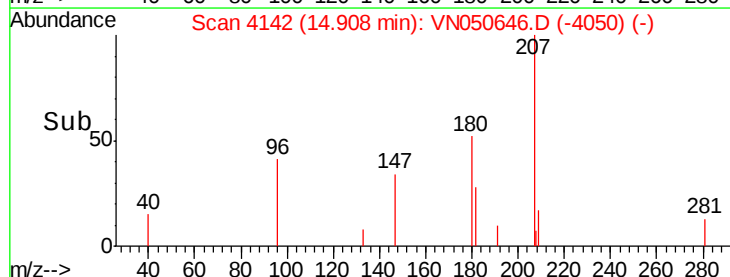
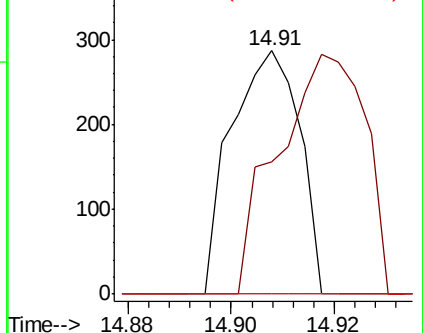
145 0.0 14.4 43.4#

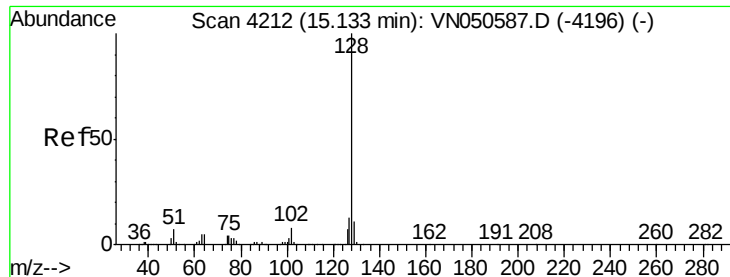


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

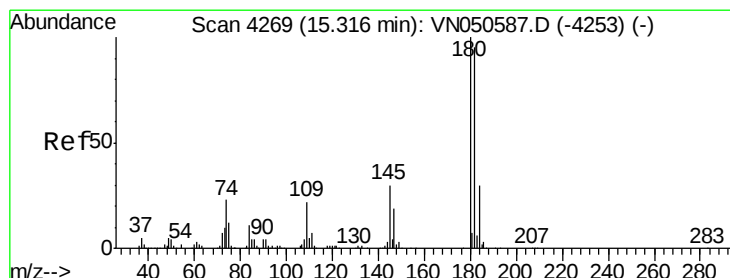
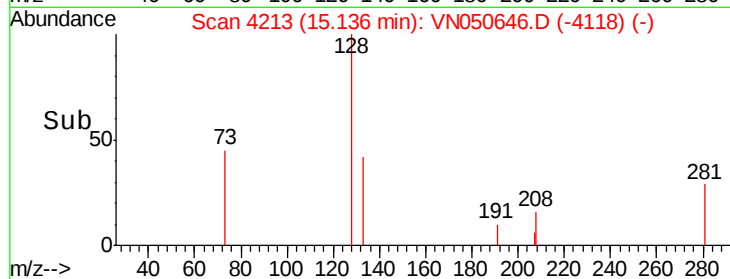
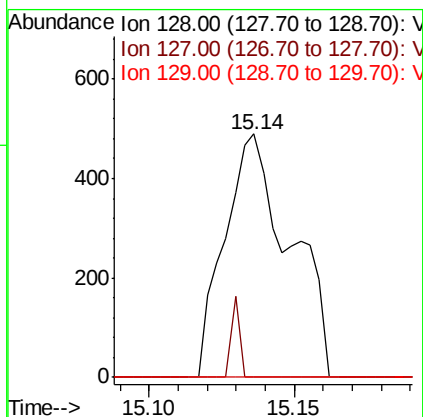
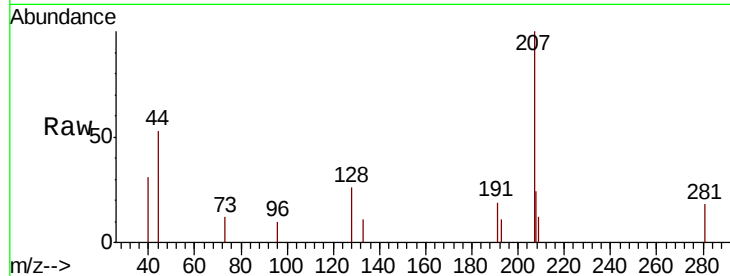




#95
Naphthalene
Concen: 3.92 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050646.D
Acq: 15 Aug 2018 11:31

Instrument :
MSVOA_N
ClientSampleId :
940-MW-01(23)DL

Tot Ion:128 Resp: 765
Ion Ratio Lower Upper
128 100
127 4.1 10.3 15.5#
129 0.0 8.5 12.7#



#96
1,2,3-Trichlorobenzene
Concen: 1.97 ug/l
RT: 15.32 min Scan# 4271
Delta R.T. 0.01 min
Lab File: VN050646.D
Acq: 15 Aug 2018 11:31

Tgt Ion:180 Resp: 184
Ion Ratio Lower Upper
180 100
182 67.9 47.3 141.8
145 0.0 14.6 44.0#

