

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
 Data File : VN050632.D
 Acq On : 15 Aug 2018 4:21
 Operator : MD\SY
 Sample : J4465-14
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 951-MW-18(21.5)

Quant Time: Aug 15 07:29:41 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	599681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	933568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	832303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	281313	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	398374	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
35) Dibromofluoromethane	7.59	113	378211	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
50) Toluene-d8	10.09	98	1336321	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
62) 4-Bromofluorobenzene	12.40	95	358834	38.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.44%	

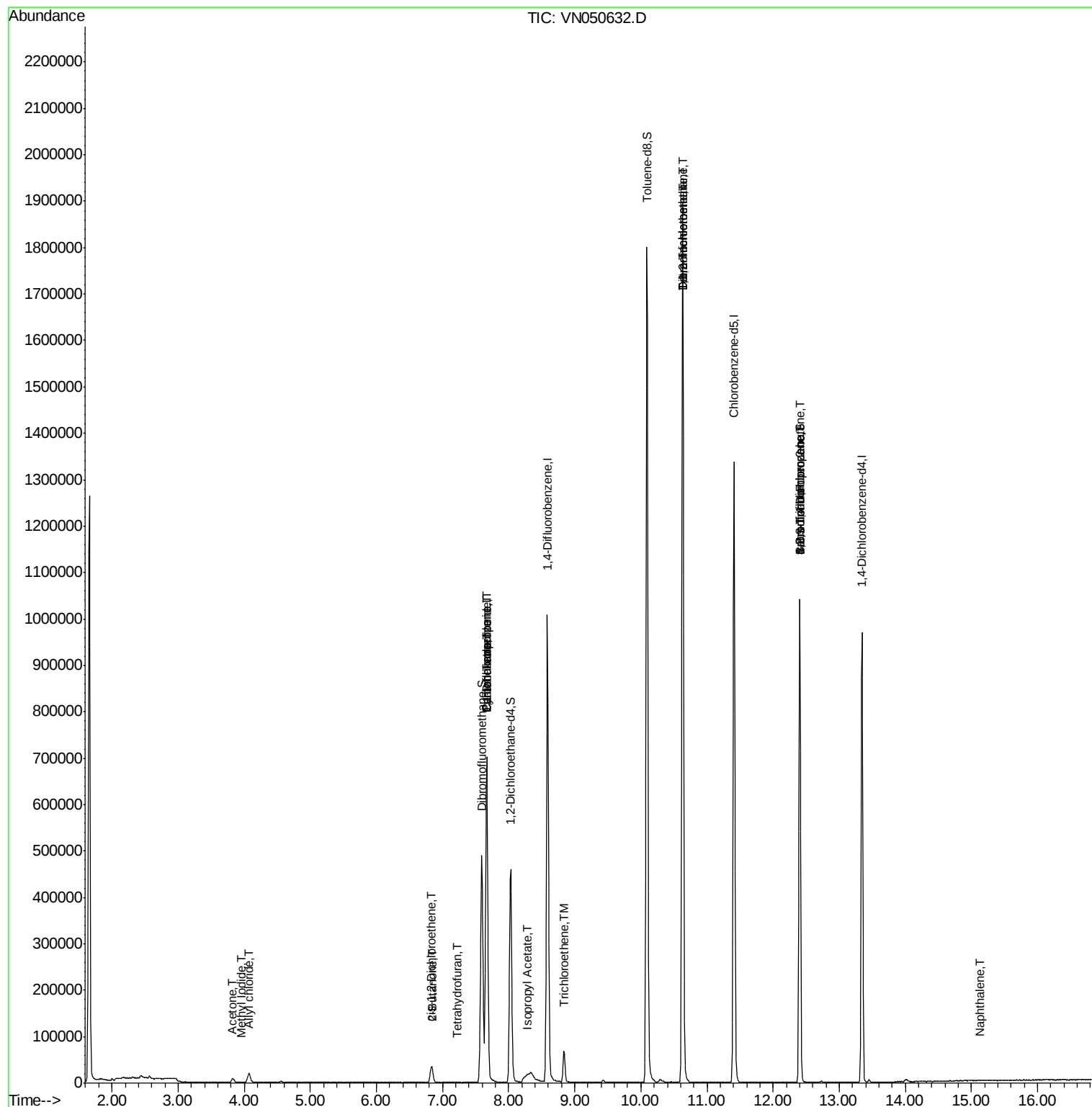
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2438	Below Cal		95
5) Bromomethane	2.58	94	3170	Below Cal		86
6) Chloroethane	2.69	64	449	Below Cal	#	43
10) Methyl Iodide	3.95	142	916	7.104	ug/l #	66
14) Allyl chloride	4.07	41	3687	0.364	ug/l #	62
16) Acetone	3.82	43	14276	6.150	ug/l	93
18) Methyl Acetate	4.34	43	2983	Below Cal		99
20) Methylene Chloride	4.55	84	284	Below Cal	#	31
25) 2-Butanone	6.85	43	1298	0.419	ug/l #	68
27) cis-1,2-Dichloroethene	6.83	96	24797	3.157	ug/l	90
29) Tetrahydrofuran	7.22	42	491	0.303	ug/l #	33
31) Cyclohexane	7.67	56	11363	0.650	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	41093	3.954	ug/l #	49
38) Carbon Tetrachloride	7.67	117	52902	4.907	ug/l #	17
43) Isopropyl Acetate	8.28	43	20681	1.932	ug/l #	60
44) Trichloroethene	8.84	130	26680	3.150	ug/l	97
55) 1,1,2-Trichloroethane	10.63	97	3519	0.499	ug/l #	1
60) Dibromochloromethane	10.63	129	422683	54.309	ug/l #	10
64) Tetrachloroethene	10.63	164	481162	62.250	ug/l	99
71) Bromoform	12.40	173	2288	0.444	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	171400	37.453	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	171400	135.457	ug/l #	13
95) Naphthalene	15.13	128	64	3.866	ug/l #	69

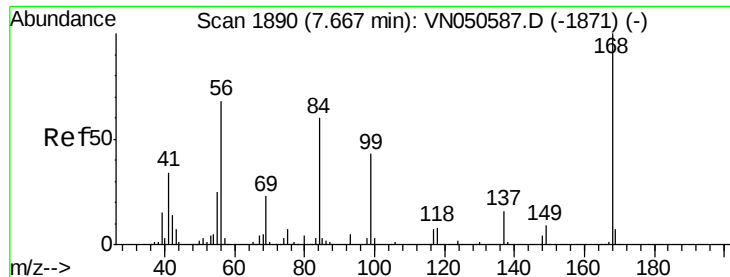
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
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Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050632.D

Acq: 15 Aug 2018 4:21

Instrument :

MSVOA_N

ClientSampleId :

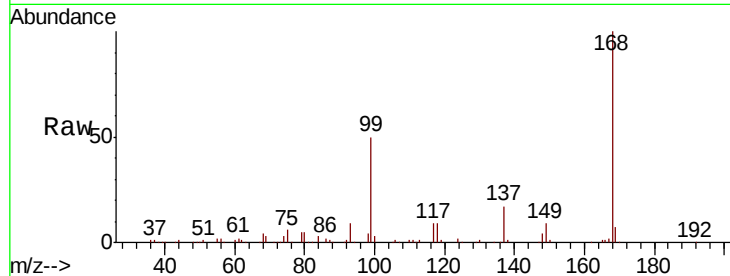
951-MW-18(21.5)

Tgt Ion:168 Resp: 599681

Ion Ratio Lower Upper

168 100

99 50.1 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

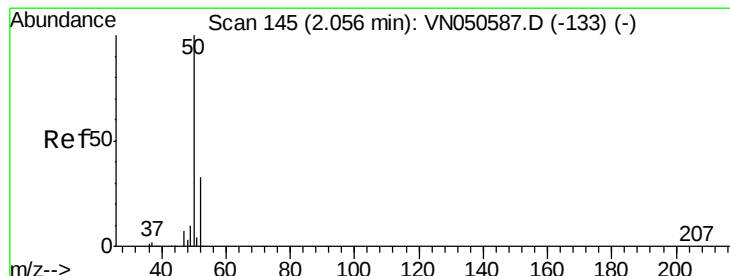
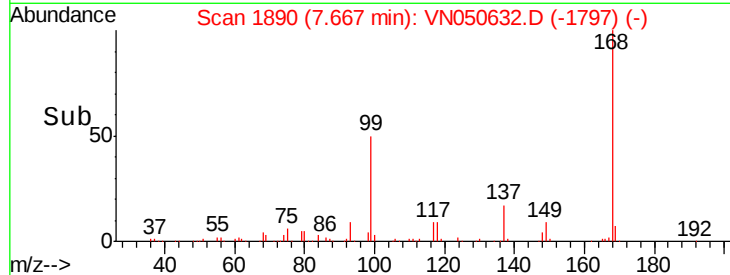
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050632.D

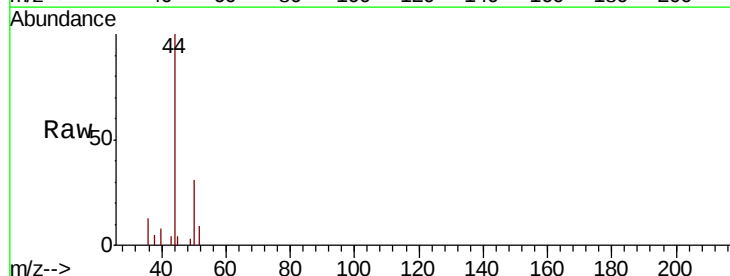
Acq: 15 Aug 2018 4:21

Tgt Ion: 50 Resp: 2438

Ion Ratio Lower Upper

50 100

52 29.9 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

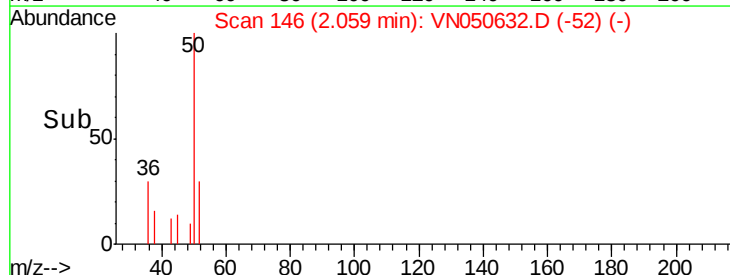
1500

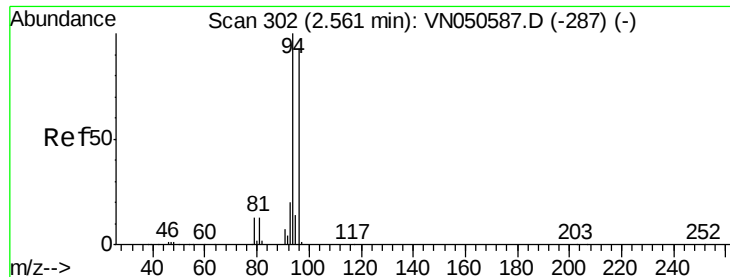
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.58 min Scan# 307

Delta R.T. 0.02 min

Lab File: VN050632.D

Acq: 15 Aug 2018 4:21

Instrument :

MSVOA_N

ClientSampleId :

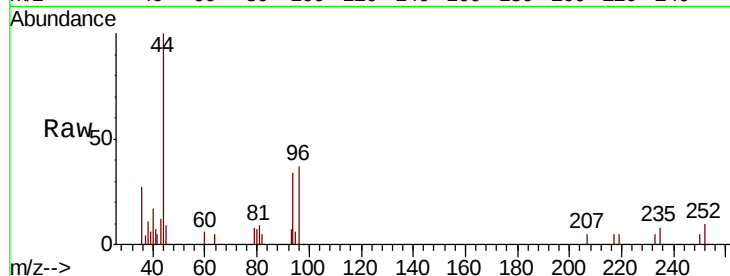
951-MW-18(21.5)

Tgt Ion: 94 Resp: 3170

Ion Ratio Lower Upper

94 100

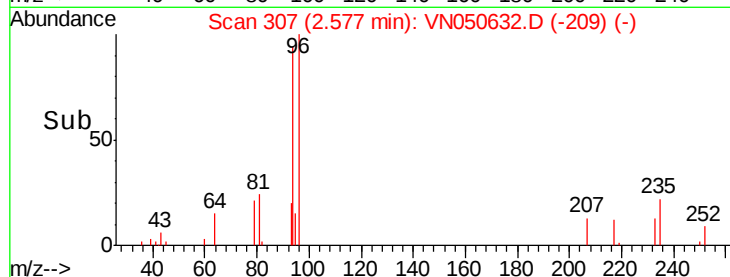
96 106.0 74.0 111.0



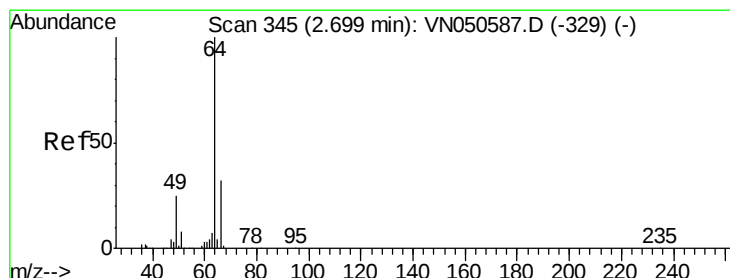
Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 2.69 min Scan# 343

Delta R.T. -0.01 min

Lab File: VN050632.D

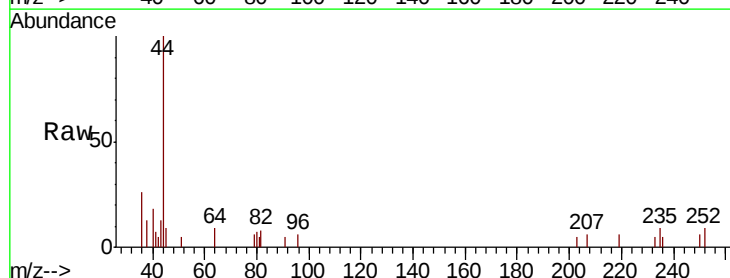
Acq: 15 Aug 2018 4:21

Tgt Ion: 64 Resp: 449

Ion Ratio Lower Upper

64 100

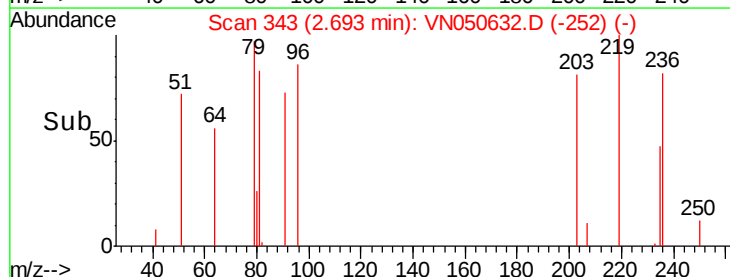
66 0.0 25.7 38.5#



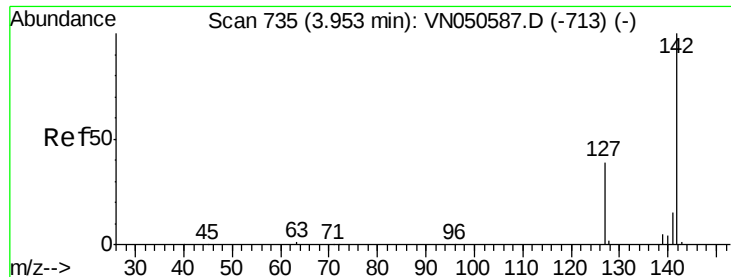
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69



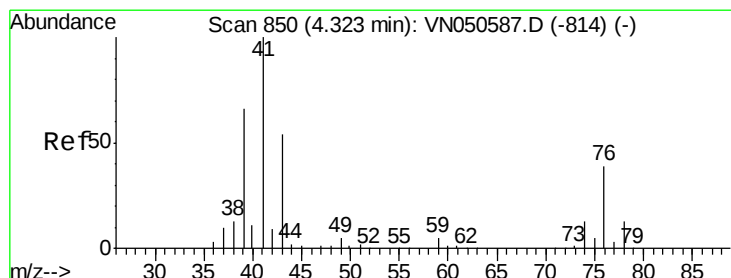
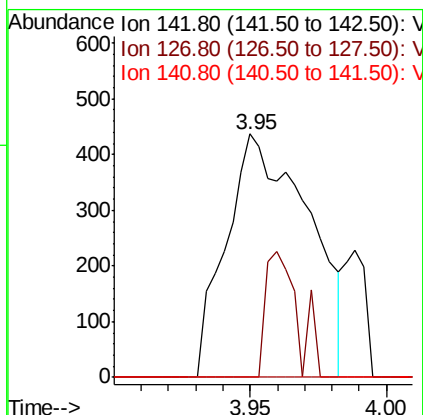
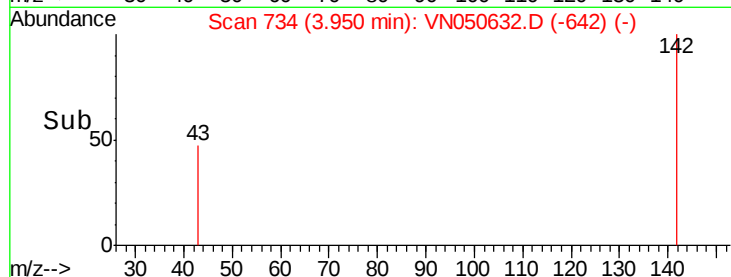
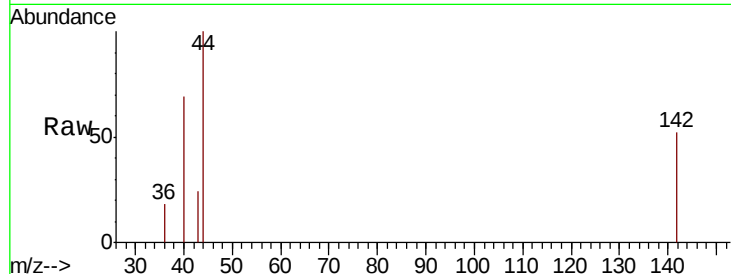
Time-->



#10
Methyl Iodide
Concen: 7.104 ug/l
RT: 3.95 min Scan# 734
Delta R.T. -0.00 min
Lab File: VN050632.D
Acq: 15 Aug 2018 4:21

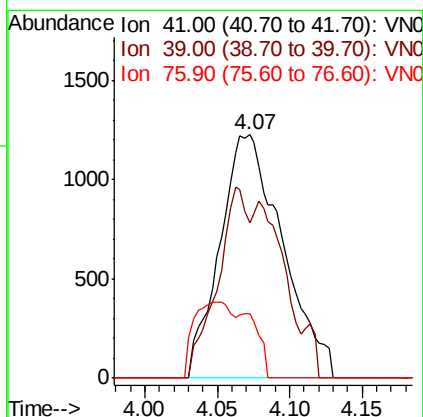
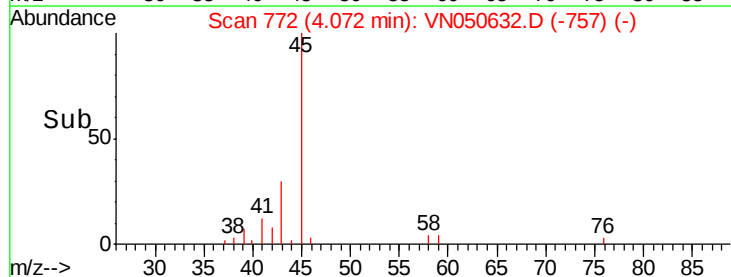
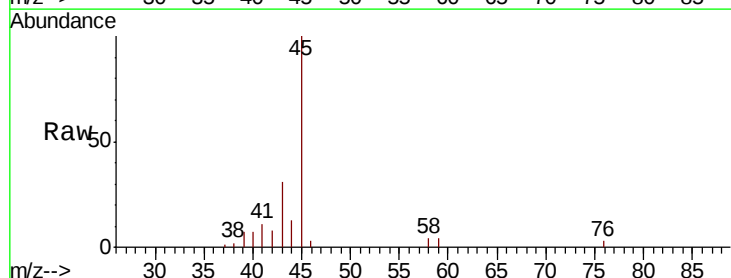
Instrument :
MSVOA_N
ClientSampleId :
951-MW-18(21.5)

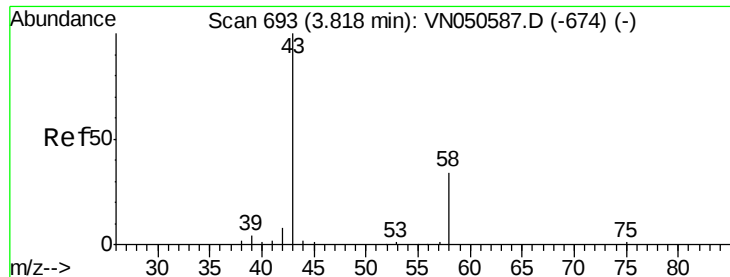
Tgt Ion: 142 Resp: 916
Ion Ratio Lower Upper
142 100
127 19.8 32.6 49.0#
141 0.0 11.5 17.3#



#14
Allyl chloride
Concen: 0.364 ug/l
RT: 4.07 min Scan# 772
Delta R.T. -0.25 min
Lab File: VN050632.D
Acq: 15 Aug 2018 4:21

Tgt Ion: 41 Resp: 3687
Ion Ratio Lower Upper
41 100
39 38.7 51.4 77.0#
76 7.8 29.4 44.0#





#16

Acetone

Concen: 6.150 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050632.D

Acq: 15 Aug 2018 4:21

Instrument :

MSVOA_N

ClientSampleId :

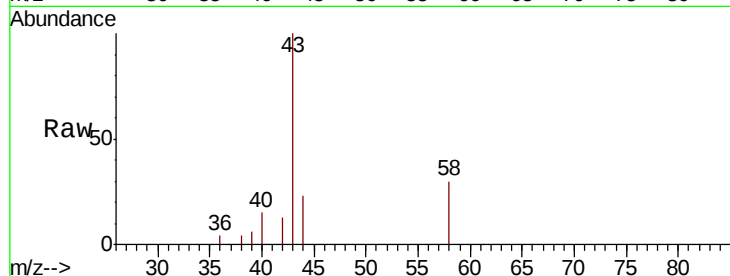
951-MW-18(21.5)

Tgt Ion: 43 Resp: 14276

Ion Ratio Lower Upper

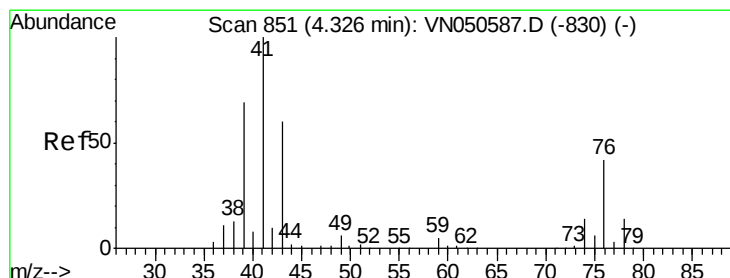
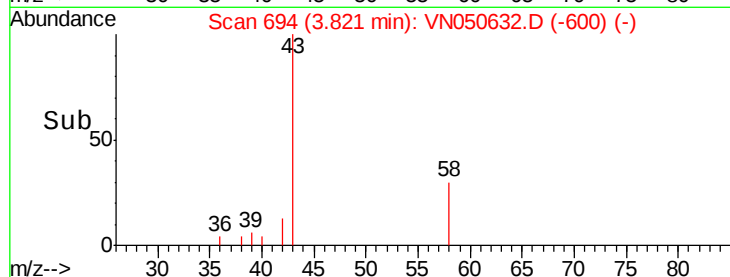
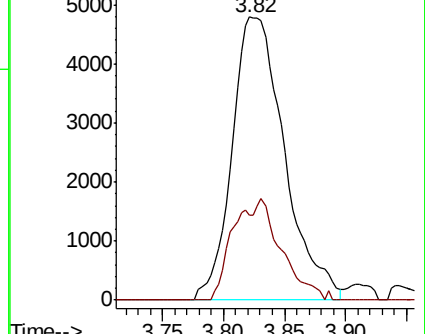
43 100

58 30.0 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 856

Delta R.T. 0.02 min

Lab File: VN050632.D

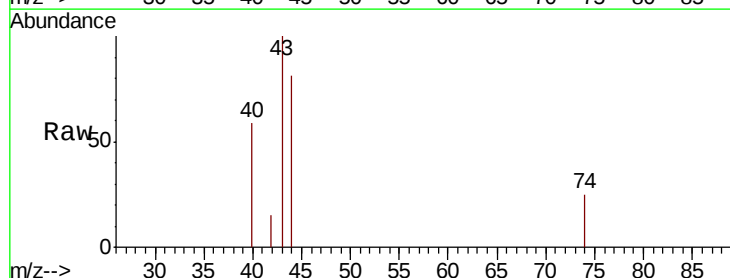
Acq: 15 Aug 2018 4:21

Tgt Ion: 43 Resp: 2983

Ion Ratio Lower Upper

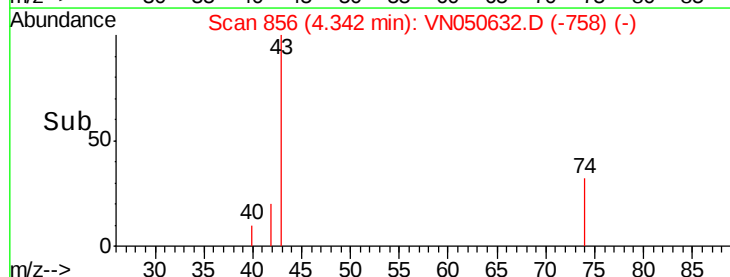
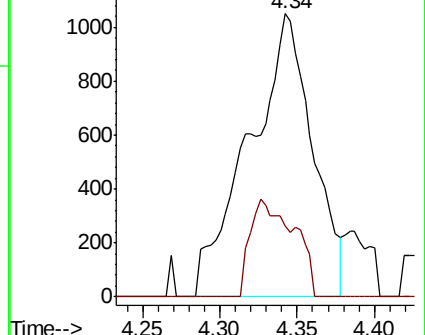
43 100

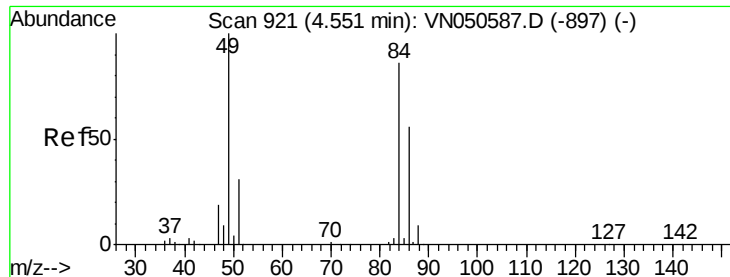
74 23.9 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.55 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN050632.D

Acq: 15 Aug 2018 4:21

Instrument :

MSVOA_N

ClientSampleId :

951-MW-18(21.5)

Tgt Ion: 84 Resp: 284

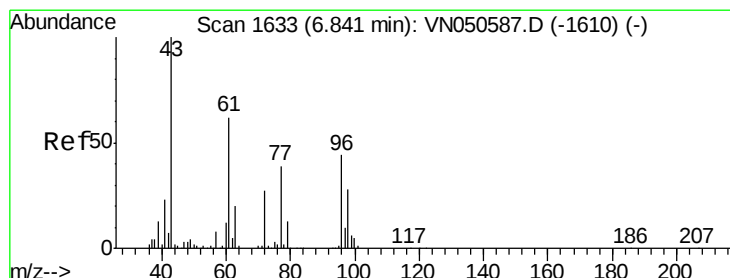
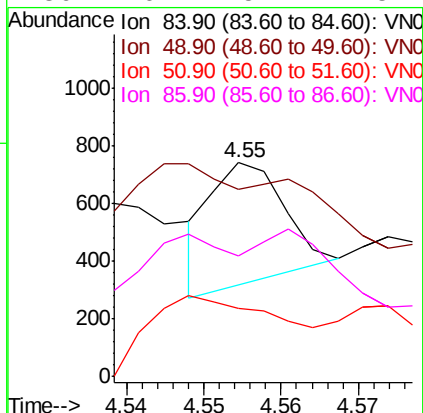
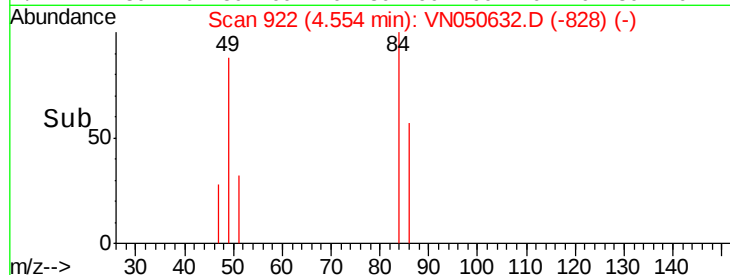
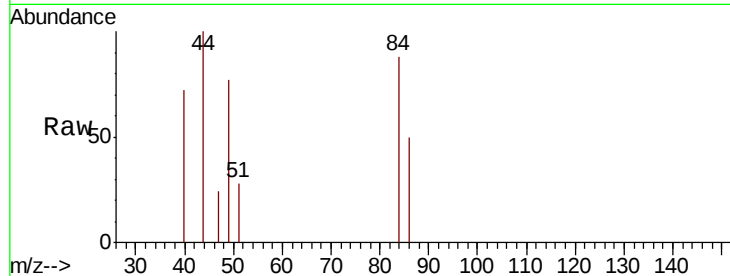
Ion Ratio Lower Upper

84 100

49 25.7 92.6 138.8#

51 13.2 28.6 43.0#

86 16.2 52.2 78.2#



#25

2-Butanone

Concen: 0.419 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VN050632.D

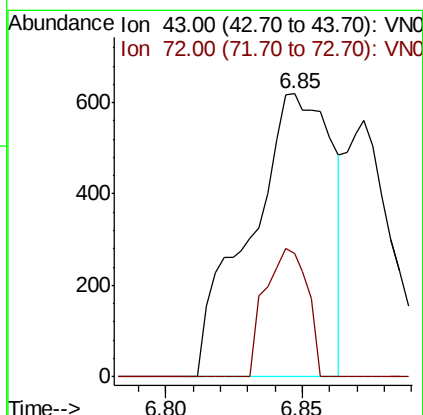
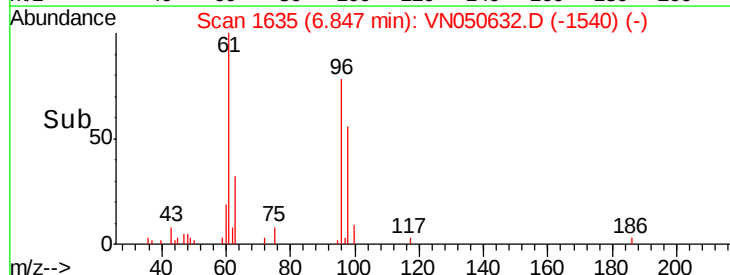
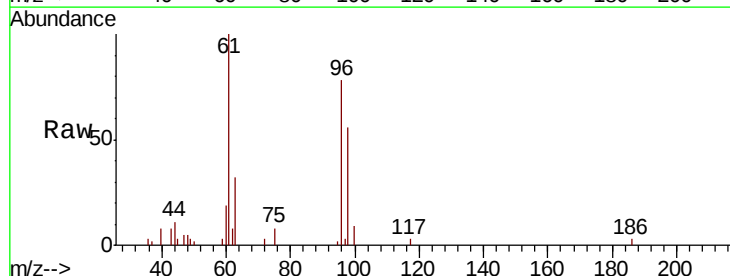
Acq: 15 Aug 2018 4:21

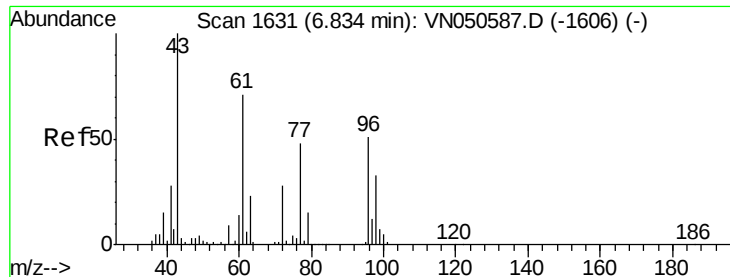
Tgt Ion: 43 Resp: 1298

Ion Ratio Lower Upper

43 100

72 43.8 21.8 32.6#

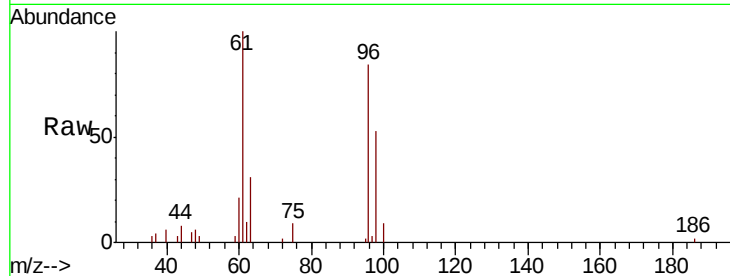




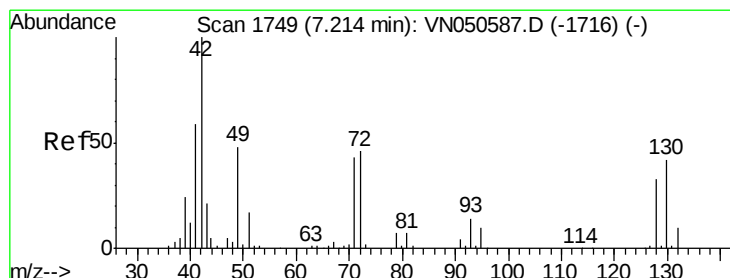
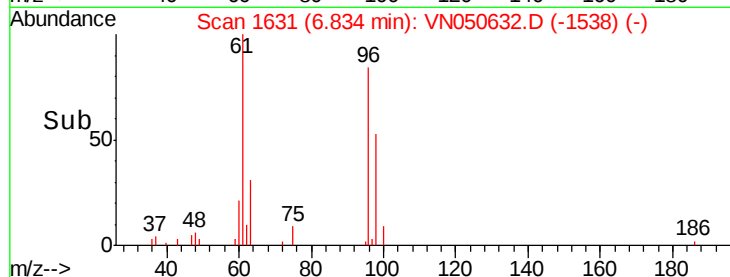
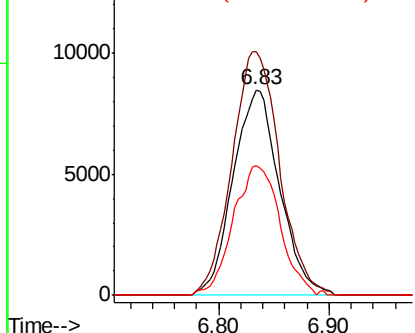
#27
 cis-1,2-Dichloroethene
 Concen: 3.157 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VN050632.D
 Acq: 15 Aug 2018 4:21

Instrument :
 MSVOA_N
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 951-MW-18(21.5)

Tgt Ion: 96 Resp: 24797
 Ion Ratio Lower Upper
 96 100
 61 121.4 0.0 278.2
 98 63.4 0.0 128.8

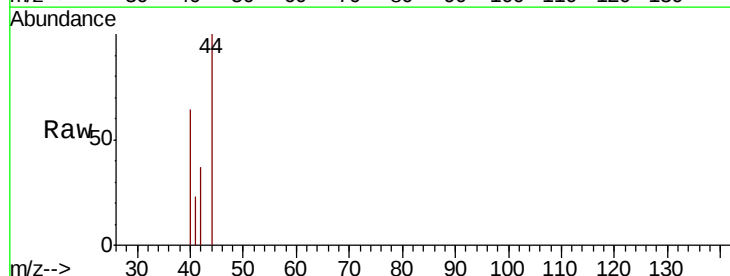


Abundance Ion 95.90 (95.60 to 96.60): VNO
 Ion 60.90 (60.60 to 61.60): VNO
 Ion 97.90 (97.60 to 98.60): VNO

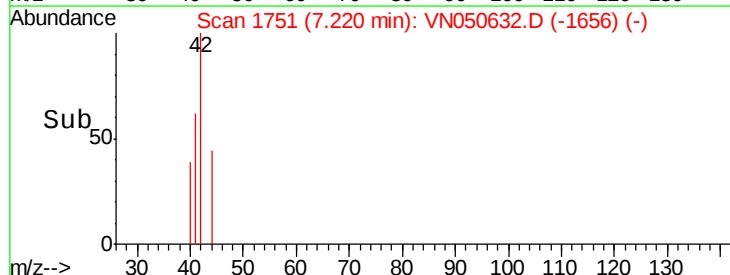
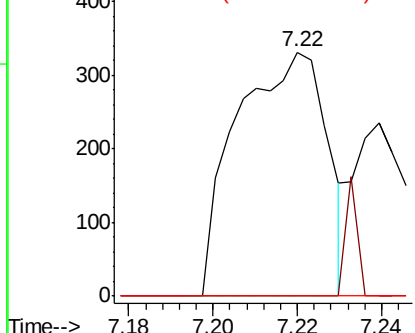


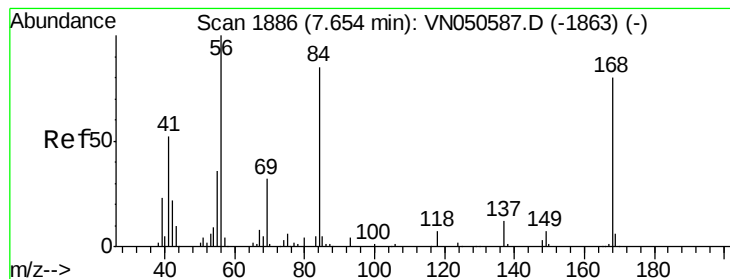
#29
 Tetrahydrofuran
 Concen: 0.303 ug/l
 RT: 7.22 min Scan# 1751
 Delta R.T. 0.01 min
 Lab File: VN050632.D
 Acq: 15 Aug 2018 4:21

Tgt Ion: 42 Resp: 491
 Ion Ratio Lower Upper
 42 100
 72 0.0 35.8 53.6#
 71 0.0 33.4 50.0#



Abundance Ion 42.00 (41.70 to 42.70): VNO
 Ion 72.00 (71.70 to 72.70): VNO
 Ion 71.00 (70.70 to 71.70): VNO





#31

Cyclohexane

Concen: 0.650 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.02 min

Lab File: VN050632.D

Acq: 15 Aug 2018 4:21

Instrument :

MSVOA_N

ClientSampleId :

951-MW-18(21.5)

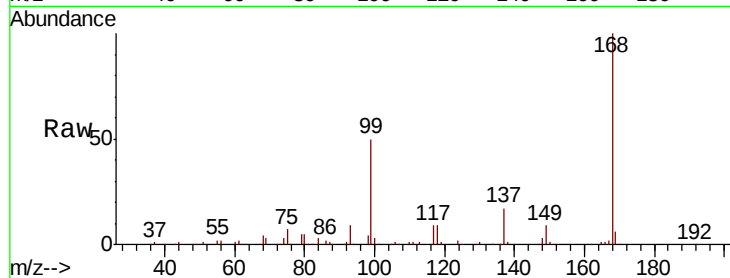
Tgt Ion: 56 Resp: 11363

Ion Ratio Lower Upper

56 100

69 188.3 25.8 38.6#

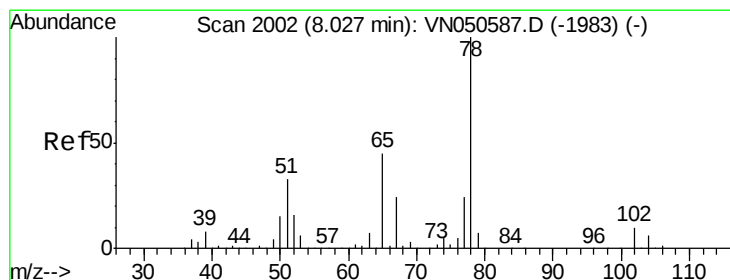
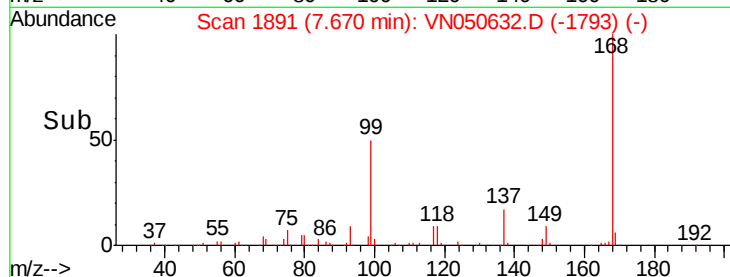
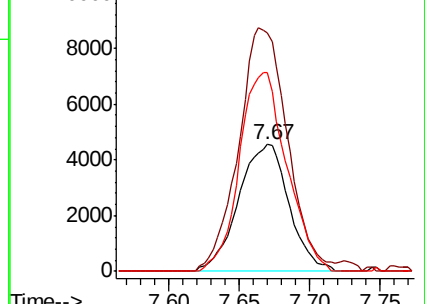
84 156.4 67.8 101.6#



Abundance Ion 56.00 (55.70 to 56.70): VN050587.D (-1863) (-)

Ion 69.00 (68.70 to 69.70): VN050587.D (-1863) (-)

Ion 84.00 (83.70 to 84.70): VN050587.D (-1863) (-)



#33

1,2-Dichloroethane-d4

Concen: 52.702 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050632.D

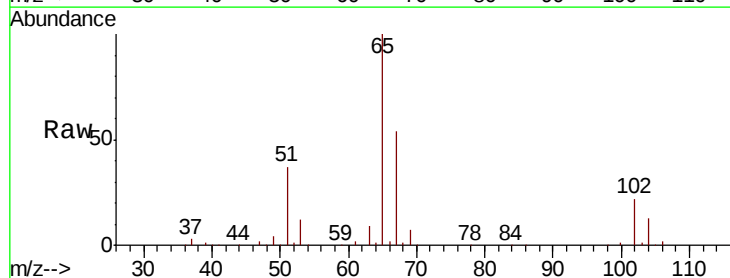
Acq: 15 Aug 2018 4:21

Tgt Ion: 65 Resp: 398374

Ion Ratio Lower Upper

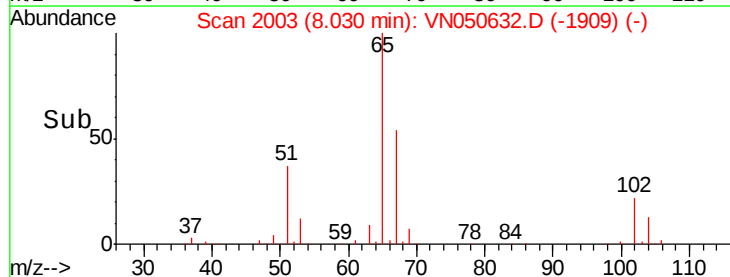
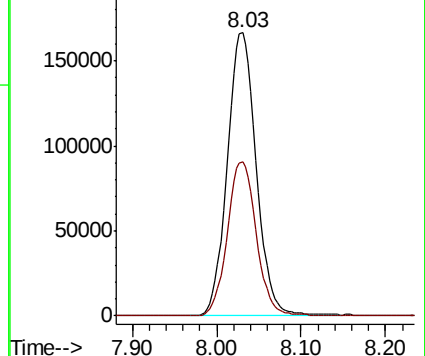
65 100

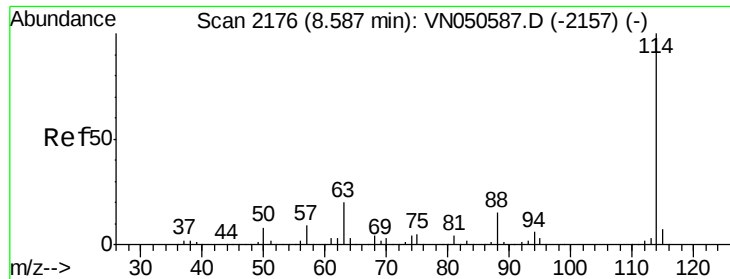
67 54.4 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN050587.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050587.D (-1983) (-)

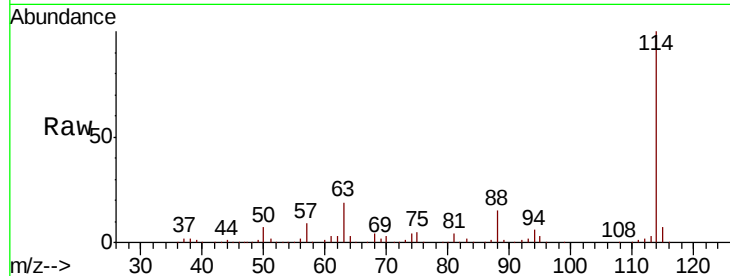




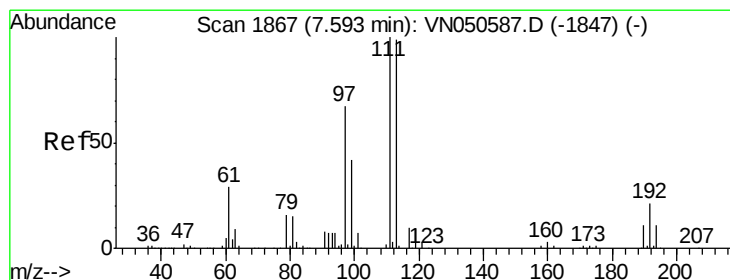
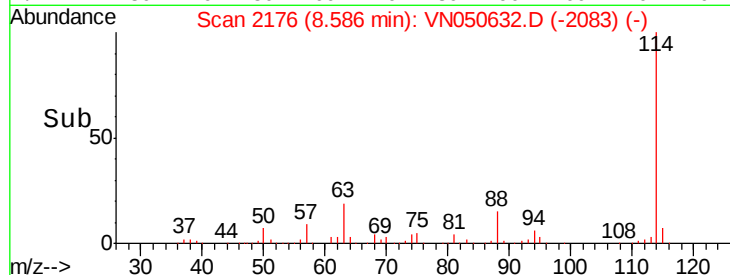
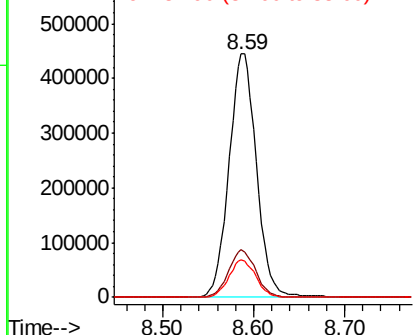
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050632.D
 Acq: 15 Aug 2018 4:21

Instrument :
 MSVOA_N
 ClientSampleId :
 951-MW-18(21.5)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.0
88	15.3	0.0	30.8

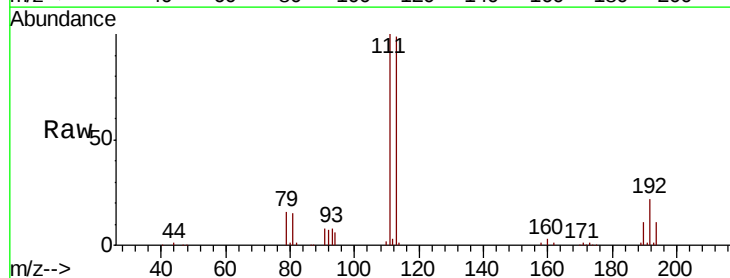


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

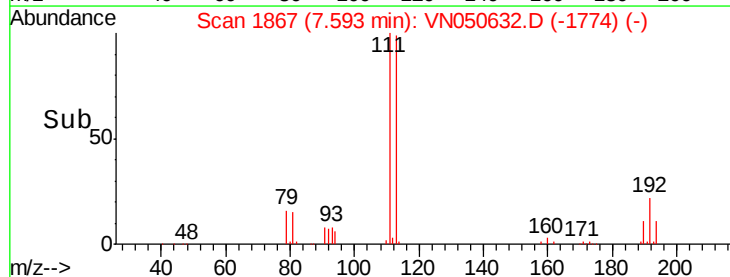
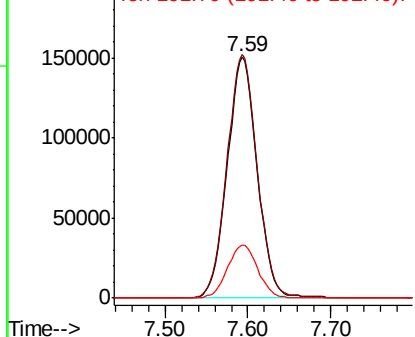


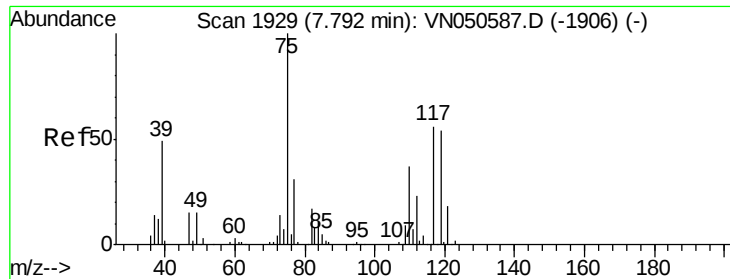
#35
 Dibromofluoromethane
 Concen: 50.744 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050632.D
 Acq: 15 Aug 2018 4:21

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.0	121.6
192	22.4	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

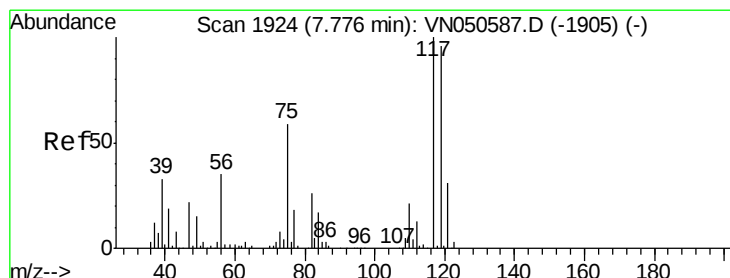
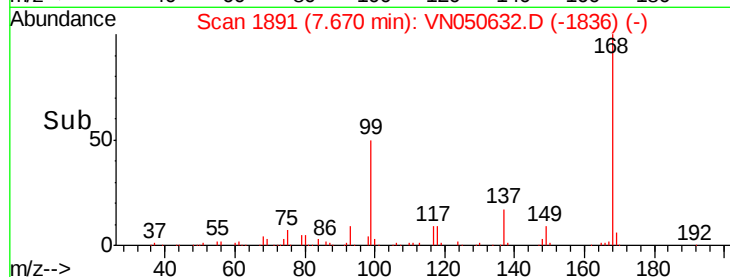
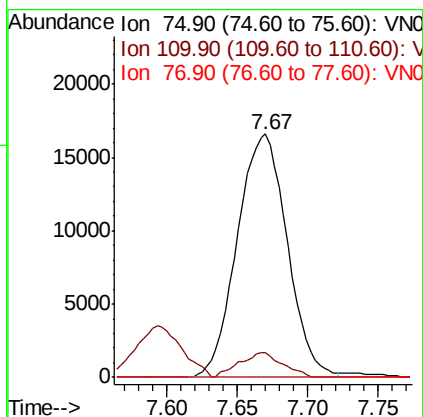
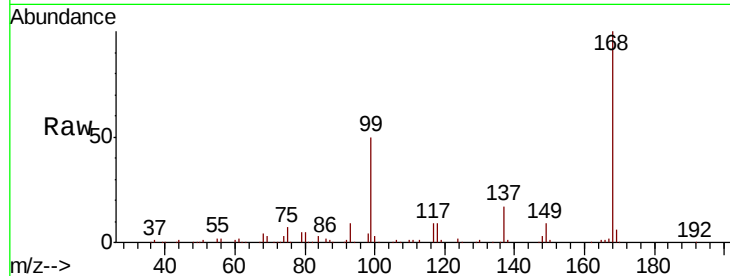




#36
 1,1-Dichloropropene
 Concen: 3.954 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.12 min
 Lab File: VN050632.D
 Acq: 15 Aug 2018 4:21

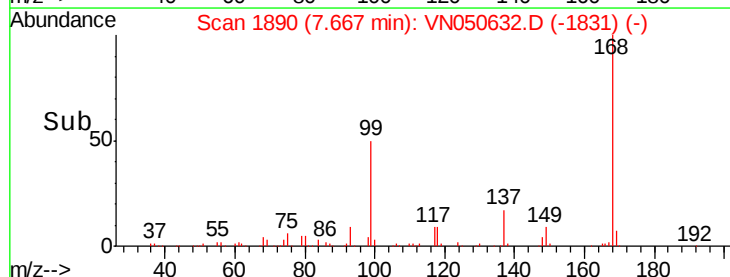
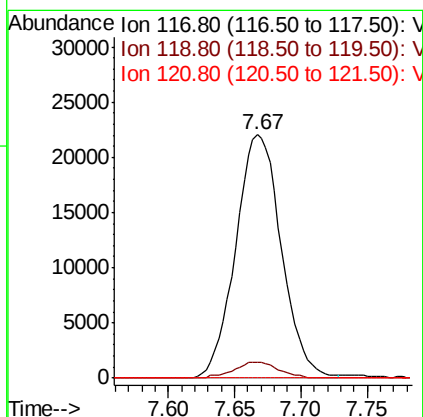
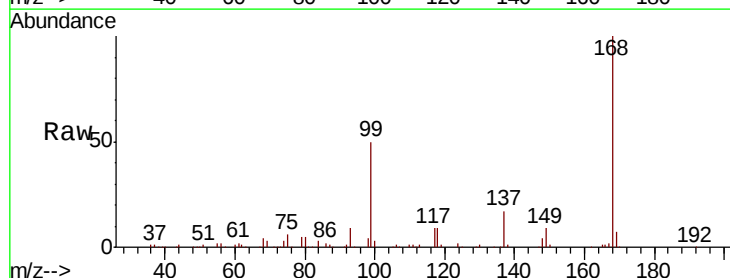
Instrument :
 MSVOA_N
 ClientSampleId :
 951-MW-18(21.5)

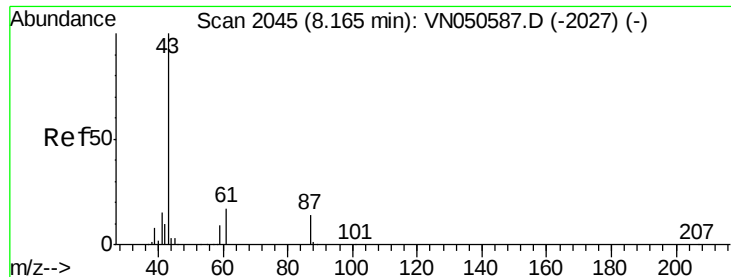
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.3	54.9#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 4.907 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050632.D
 Acq: 15 Aug 2018 4:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	76.6	115.0#
121	0.0	25.0	37.6#

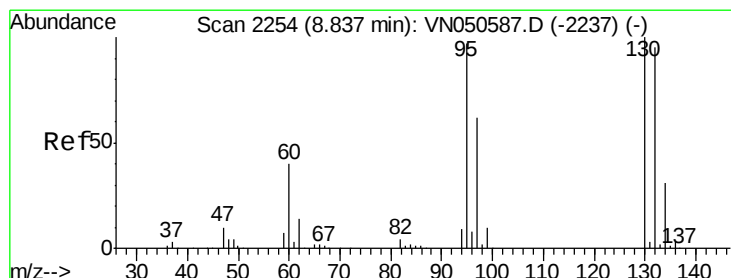
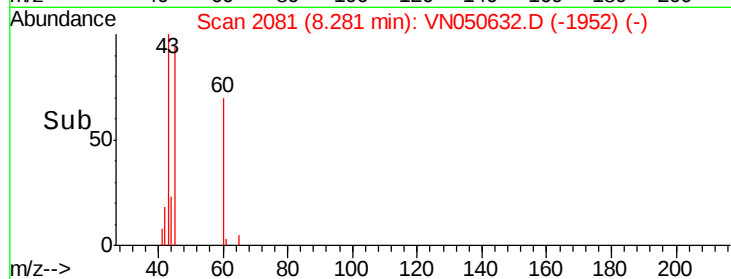
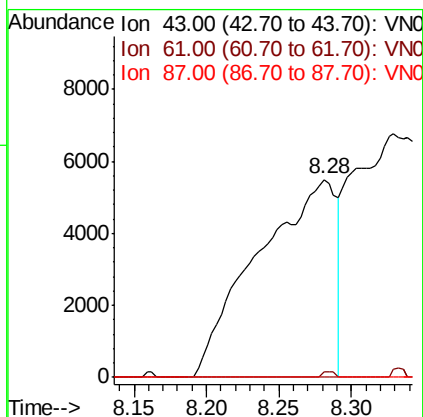
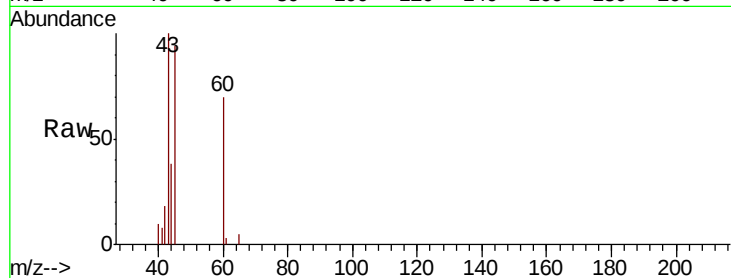




#43
Isopropyl Acetate
Concen: 1.932 ug/l
RT: 8.28 min Scan# 2081
Delta R.T. 0.12 min
Lab File: VN050632.D
Acq: 15 Aug 2018 4:21

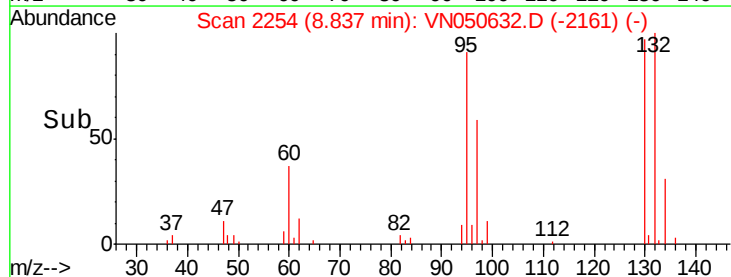
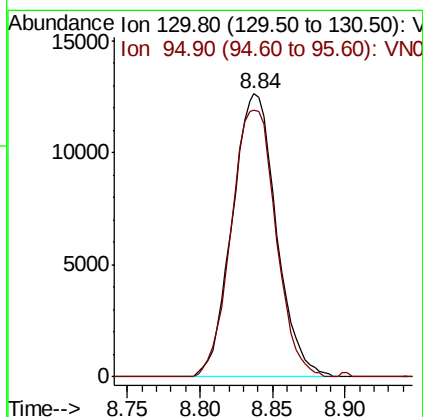
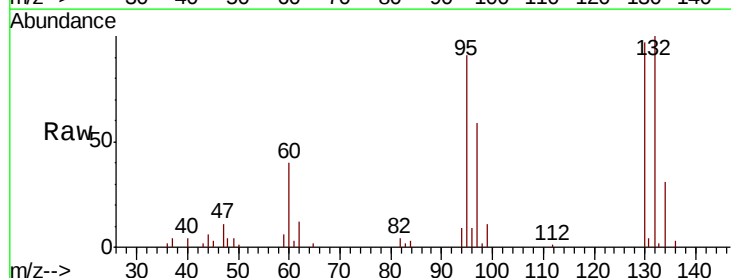
Instrument :
MSVOA_N
ClientSampleId :
951-MW-18(21.5)

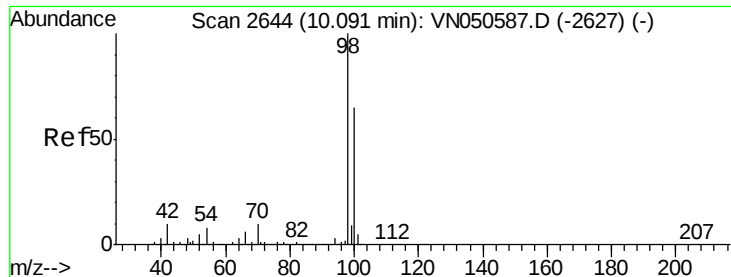
Tgt Ion: 43 Resp: 20681
Ion Ratio Lower Upper
43 100
61 0.0 16.2 24.2#
87 0.0 10.9 16.3#



#44
Trichloroethene
Concen: 3.150 ug/l
RT: 8.84 min Scan# 2254
Delta R.T. -0.00 min
Lab File: VN050632.D
Acq: 15 Aug 2018 4:21

Tgt Ion: 130 Resp: 26680
Ion Ratio Lower Upper
130 100
95 94.2 0.0 193.8

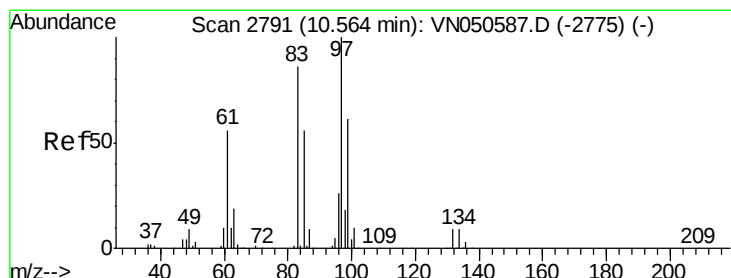
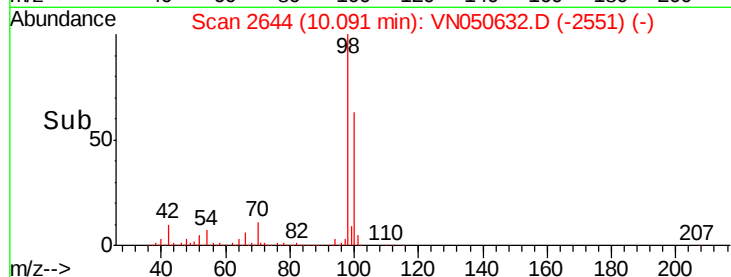
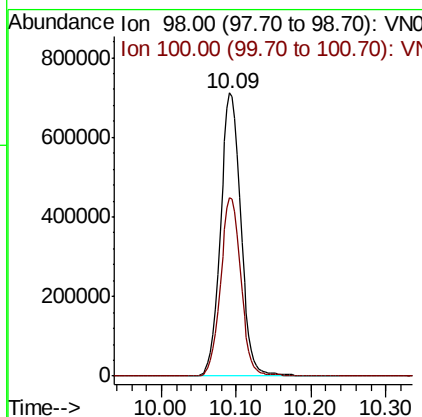
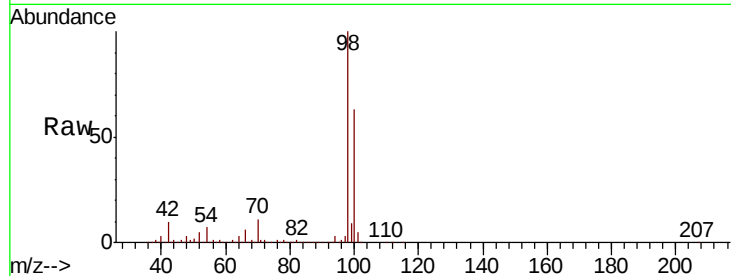




#50
Toluene-d8
Concen: 47.640 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050632.D
Acq: 15 Aug 2018 4:21

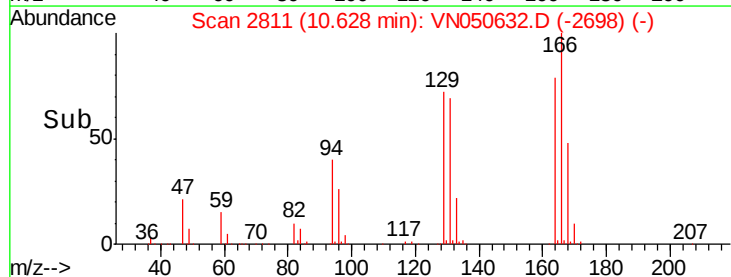
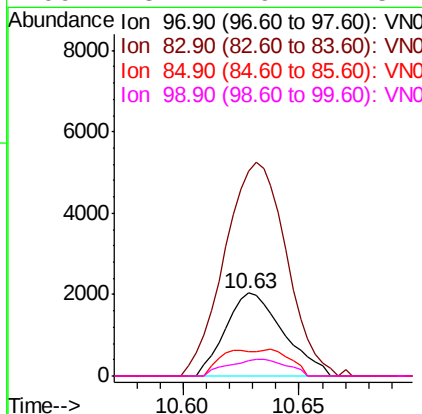
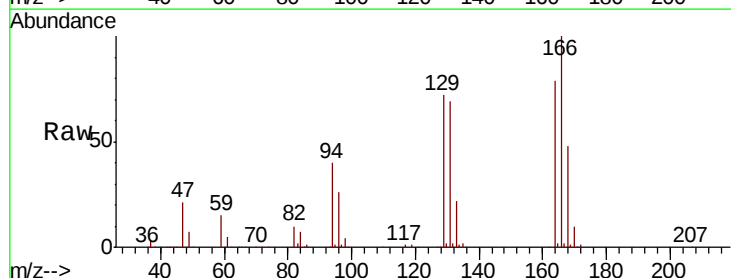
Instrument :
MSVOA_N
ClientSampleId :
951-MW-18(21.5)

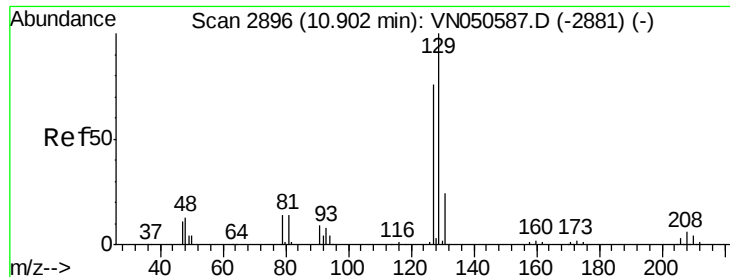
Tgt Ion: 98 Resp: 1336321
Ion Ratio Lower Upper
98 100
100 63.1 51.8 77.8



#55
1,1,2-Trichloroethane
Concen: 0.499 ug/l
RT: 10.63 min Scan# 2811
Delta R.T. 0.06 min
Lab File: VN050632.D
Acq: 15 Aug 2018 4:21

Tgt Ion: 97 Resp: 3519
Ion Ratio Lower Upper
97 100
83 248.4 68.5 102.7#
85 30.2 44.6 66.8#
99 18.4 49.1 73.7#

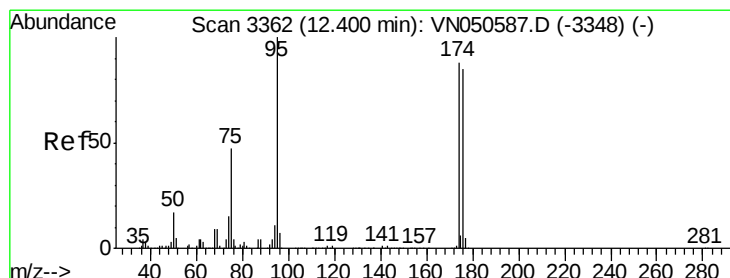
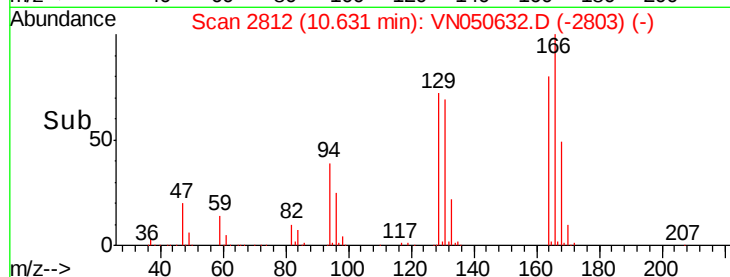
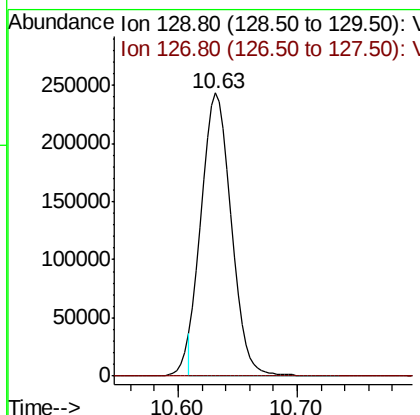
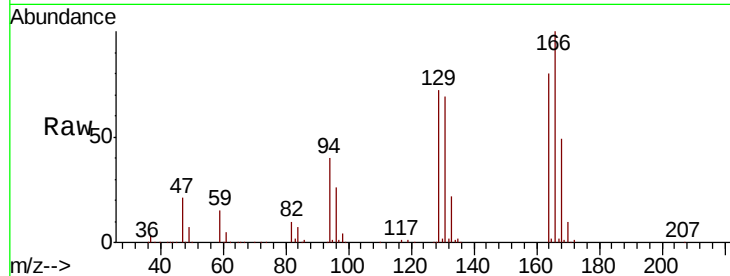




#60
 Dibromochloromethane
 Concen: 54.309 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. -0.27 min
 Lab File: VN050632.D
 Acq: 15 Aug 2018 4:21

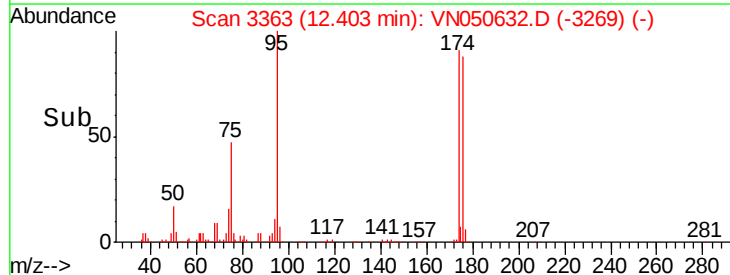
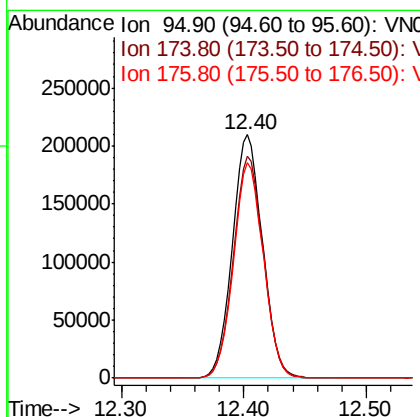
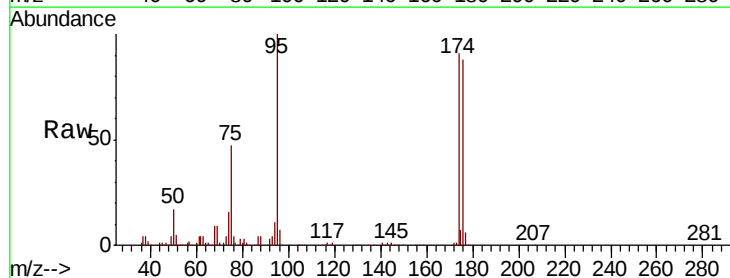
Instrument :
 MSVOA_N
 ClientSampleId :
 951-MW-18(21.5)

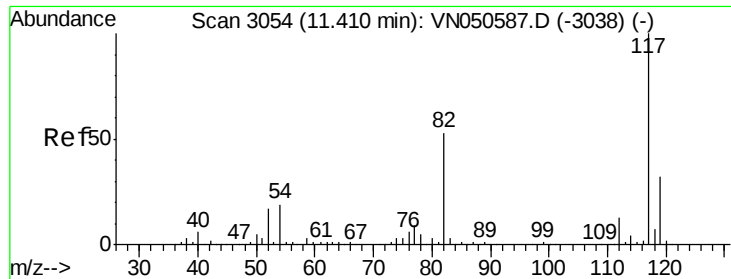
Tgt Ion: 129 Resp: 422683
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.9 116.7#



#62
 4-Bromofluorobenzene
 Concen: 38.722 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050632.D
 Acq: 15 Aug 2018 4:21

Tgt Ion: 95 Resp: 358834
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 177.8
 176 87.8 0.0 175.0

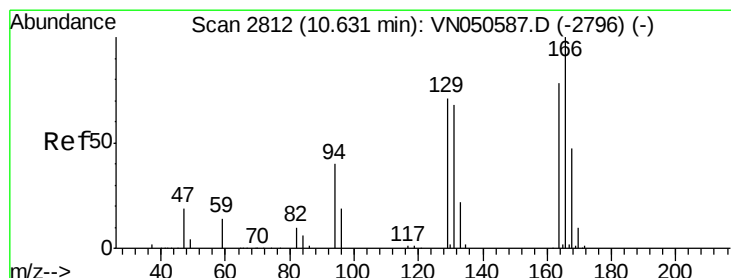
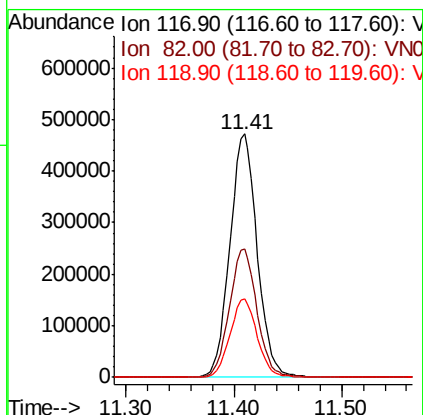
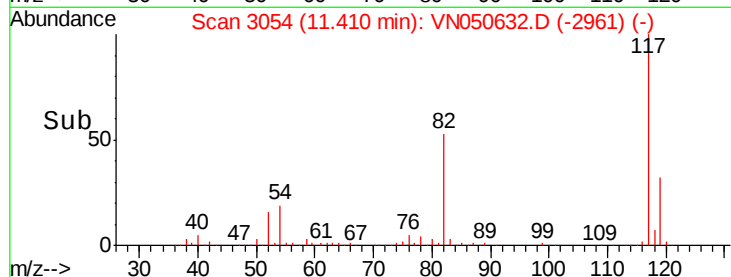
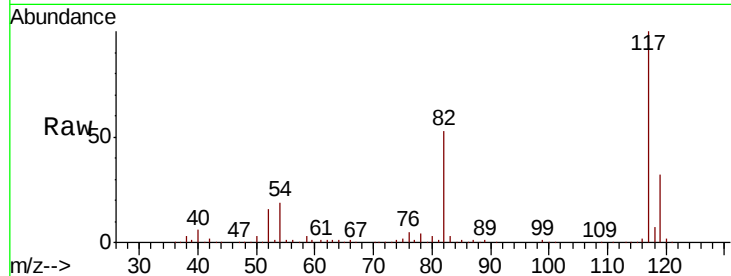




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050632.D
Acq: 15 Aug 2018 4:21

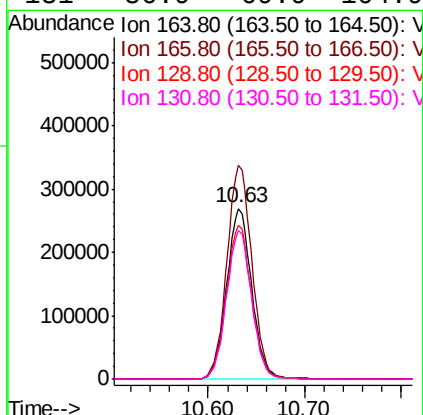
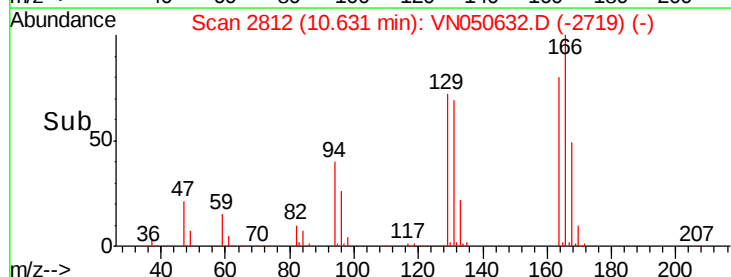
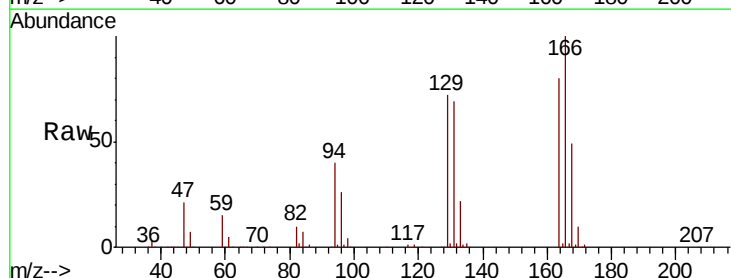
Instrument :
MSVOA_N
ClientSampleId :
951-MW-18(21.5)

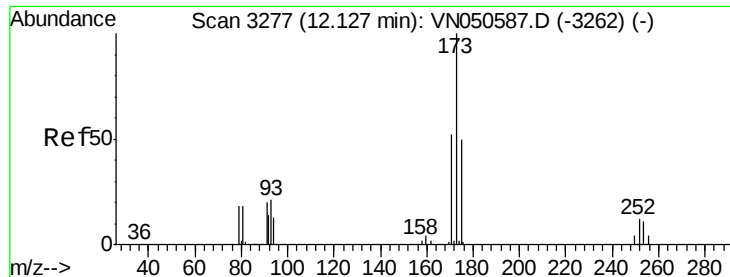
Tgt Ion:117 Resp: 832303
Ion Ratio Lower Upper
117 100
82 52.7 42.4 63.6
119 32.2 25.8 38.8



#64
Tetrachloroethene
Concen: 62.250 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050632.D
Acq: 15 Aug 2018 4:21

Tgt Ion:164 Resp: 481162
Ion Ratio Lower Upper
164 100
166 125.4 102.1 153.1
129 90.4 72.7 109.1
131 86.9 69.9 104.9





#71

Bromoform

Concen: 0.444 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN050632.D

Acq: 15 Aug 2018 4:21

Instrument :

MSVOA_N

ClientSampleId :

951-MW-18(21.5)

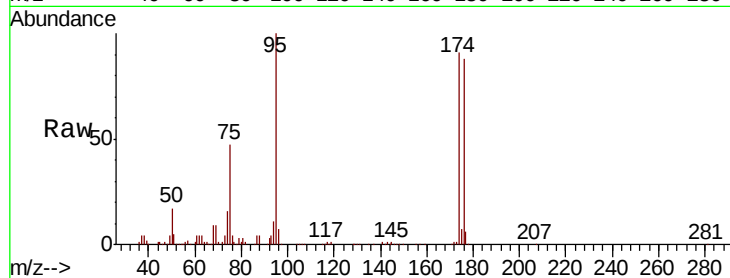
Tgt Ion:173 Resp: 2288

Ion Ratio Lower Upper

173 100

175 901.4 24.4 73.2#

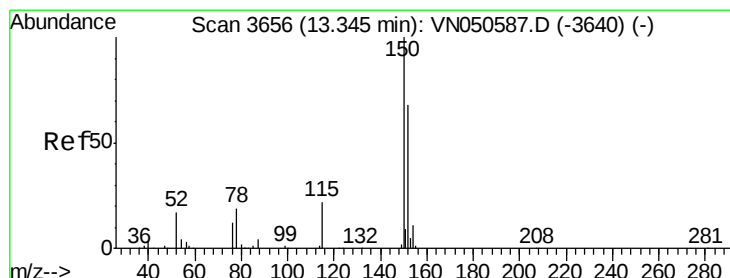
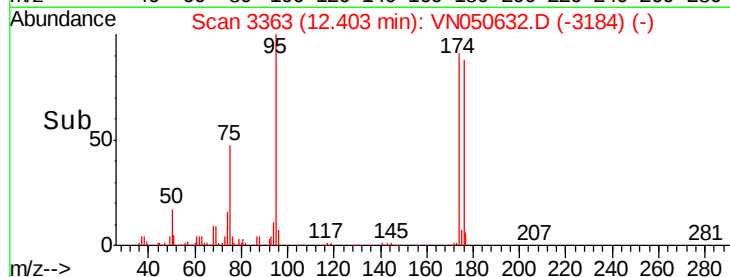
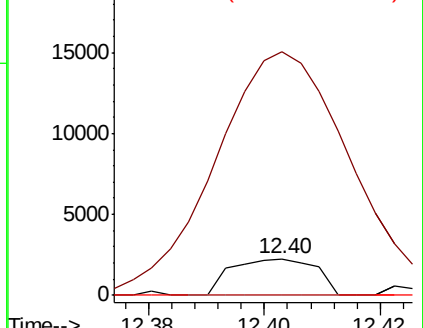
254 0.0 0.0 0.0



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# 3656

Delta R.T. -0.00 min

Lab File: VN050632.D

Acq: 15 Aug 2018 4:21

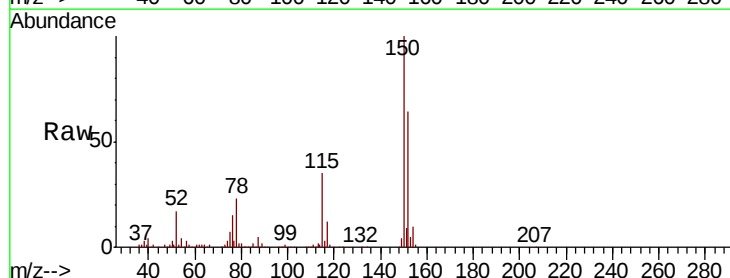
Tgt Ion:152 Resp: 281313

Ion Ratio Lower Upper

152 100

115 56.4 28.1 84.2

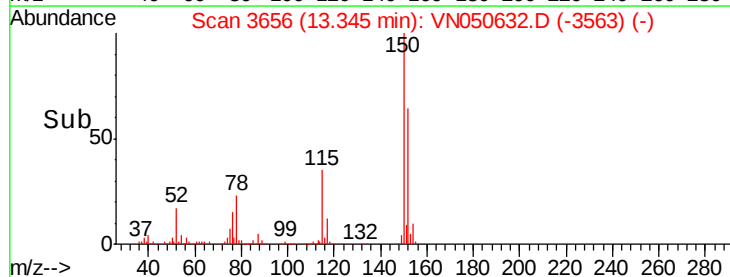
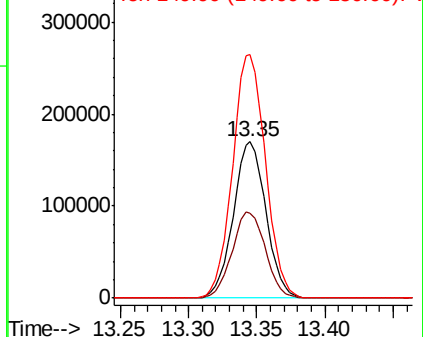
150 157.5 0.0 347.8

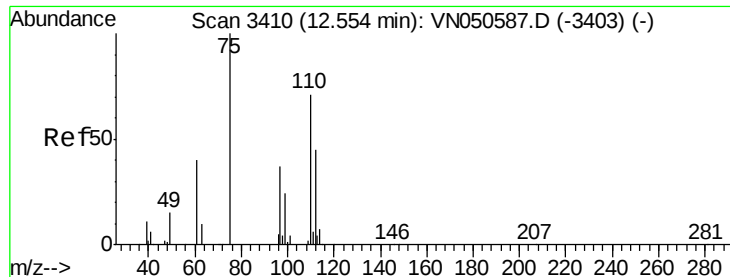


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

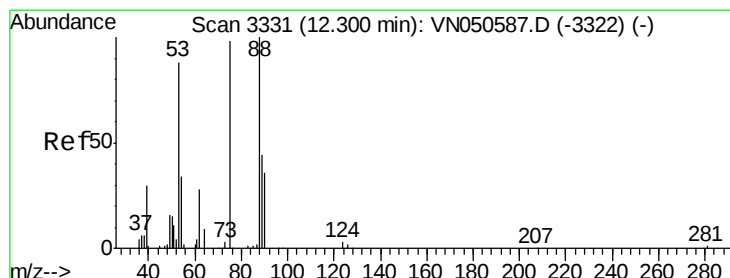
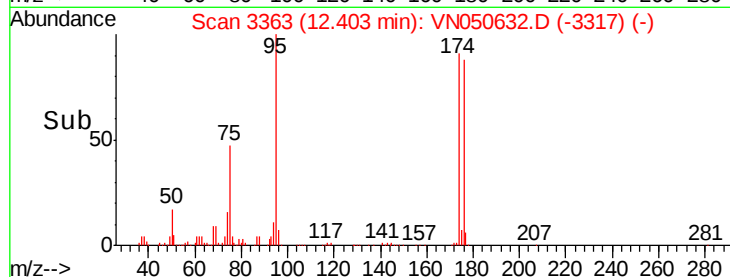
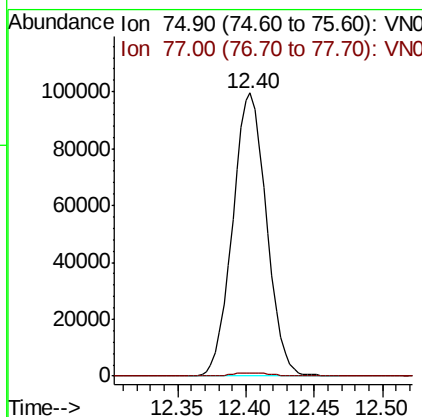
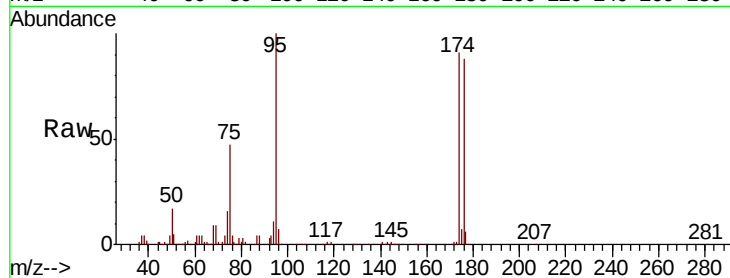




#76
 1,2,3-Trichloropropane
 Concen: 37.453 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.15 min
 Lab File: VN050632.D
 Acq: 15 Aug 2018 4:21

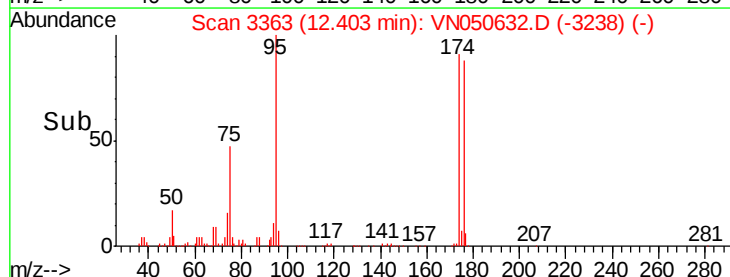
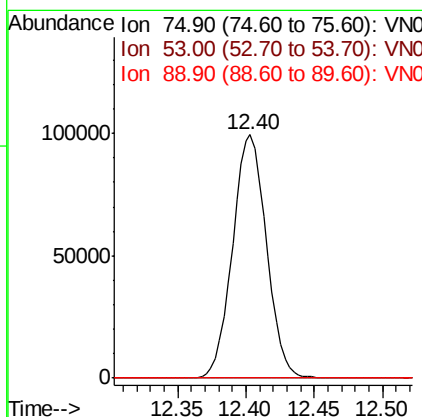
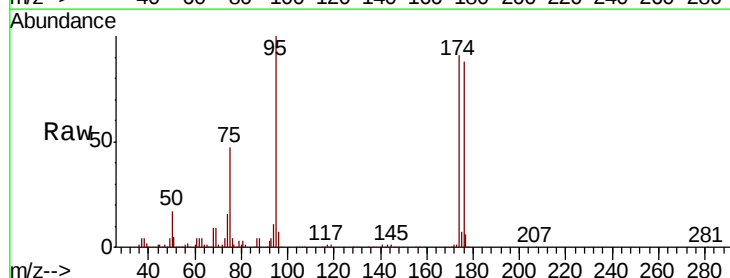
Instrument :
 MSVOA_N
 ClientSampleId :
 951-MW-18(21.5)

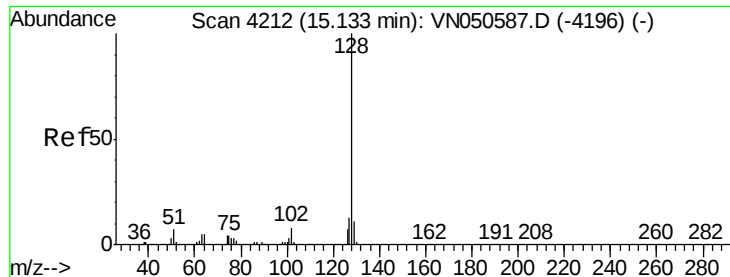
Tgt Ion: 75 Resp: 171400
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.457 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN050632.D
 Acq: 15 Aug 2018 4:21

Tgt Ion: 75 Resp: 171400
 Ion Ratio Lower Upper
 75 100
 53 0.2 72.2 108.2#
 89 0.0 36.3 54.5#

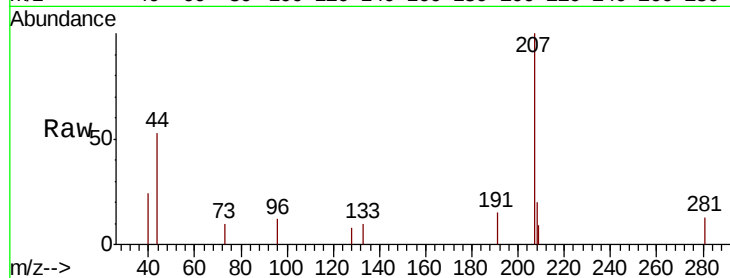




#95
Naphthalene
Concen: 3.866 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050632.D
Acq: 15 Aug 2018 4:21

Instrument :
MSVOA_N
ClientSampleId :
951-MW-18(21.5)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	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

