

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054276.D
 Acq On : 14 Mar 2019 21:43
 Operator : JC/SP
 Sample : K1887-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Quant Time: Mar 15 06:57:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1351373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2291138	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2354991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	915964	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	725464	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
35) Dibromofluoromethane	7.59	113	703153	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
50) Toluene-d8	10.09	98	2831829	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.40	95	1031033	53.99	ug/l	0.00
Spiked Amount			Recovery	=	107.98%	

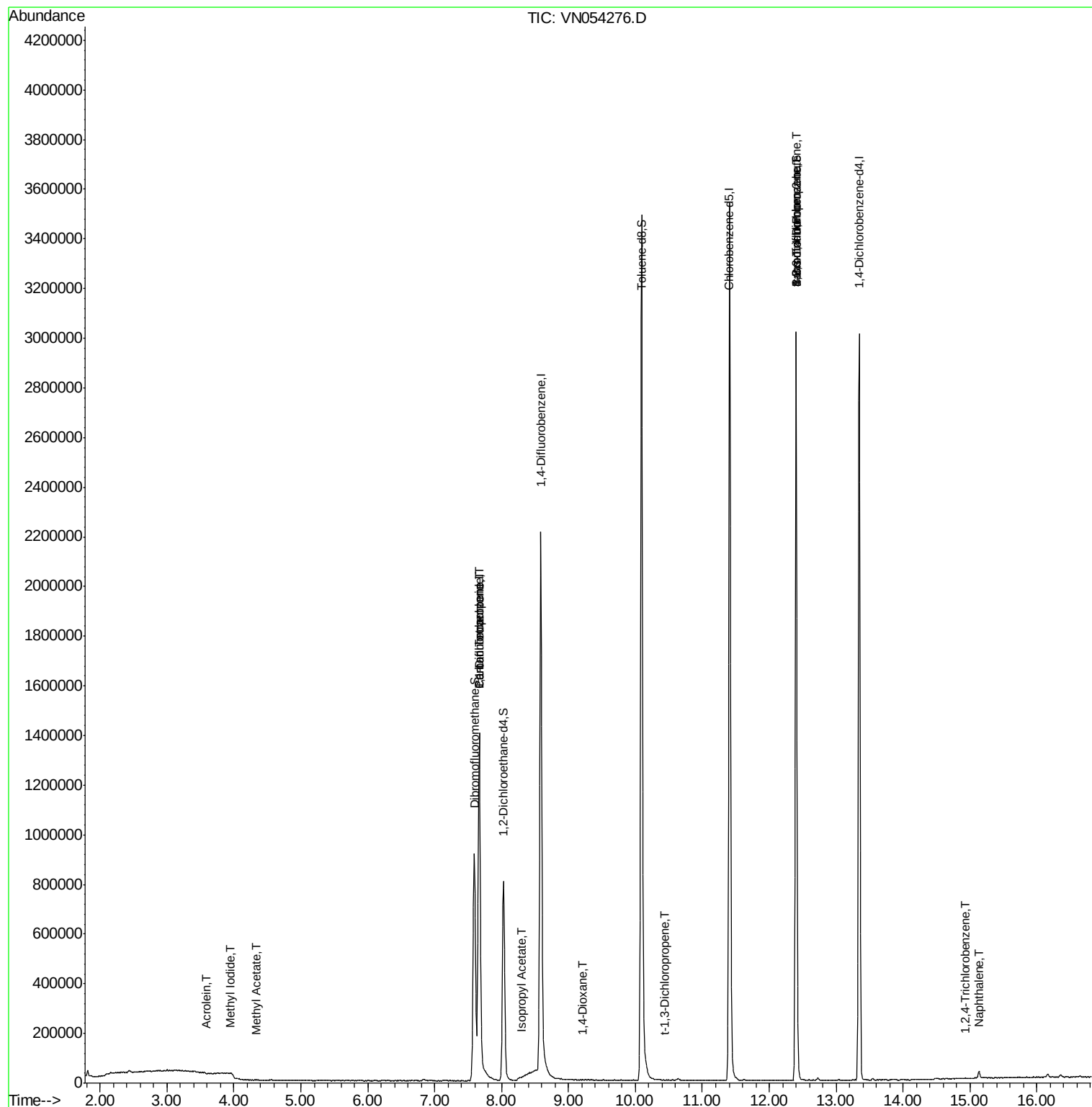
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	99	1.502	ug/l #	45
13) Acrolein	3.60	56	192	0.206	ug/l #	55
18) Methyl Acetate	4.34	43	1764	0.212	ug/l #	88
31) Cyclohexane	7.66	56	19024	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	79240	3.756	ug/l #	48
38) Carbon Tetrachloride	7.66	117	111785	5.052	ug/l #	16
43) Isopropyl Acetate	8.28	43	14775	0.694	ug/l #	60
49) 1,4-Dioxane	9.22	88	31	0.203	ug/l #	1
53) t-1,3-Dichloropropene	10.44	75	34	1.987	ug/l #	51
71) Bromoform	12.40	173	6605	2.790	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	489281	36.325	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	489281	124.174	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	74	2.520	ug/l #	12
95) Naphthalene	15.13	128	26545	4.085	ug/l	99

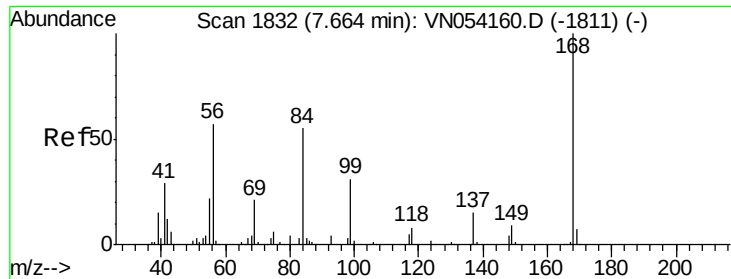
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054276.D

Acq: 14 Mar 2019 21:43

Instrument :

MSVOA_N

ClientSampleId :

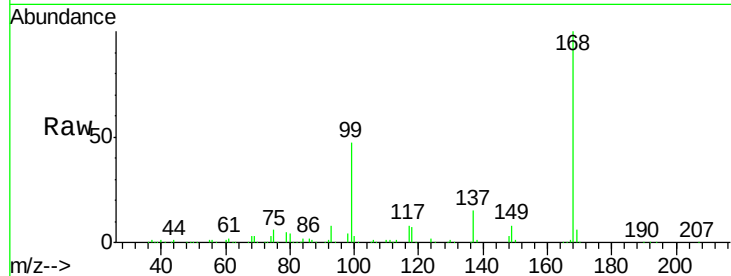
MW-2

Tot Ion:168 Resp: 1351373

Ion Ratio Lower Upper

168 100

99 47.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

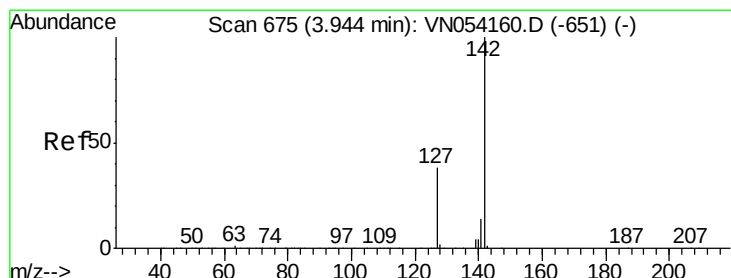
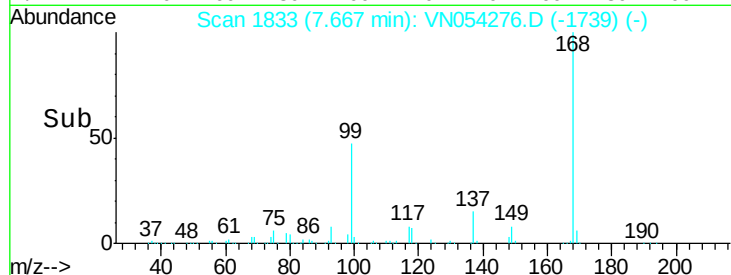
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 1.502 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054276.D

Acq: 14 Mar 2019 21:43

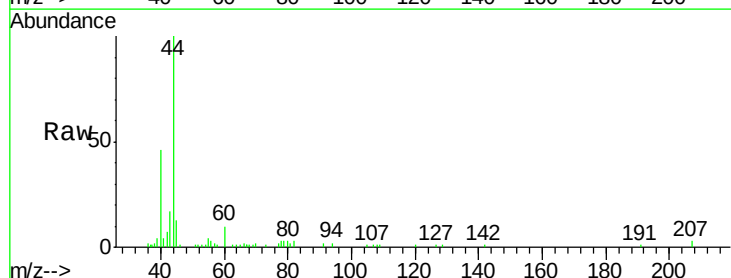
Tgt Ion:142 Resp: 99

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

300

250

200

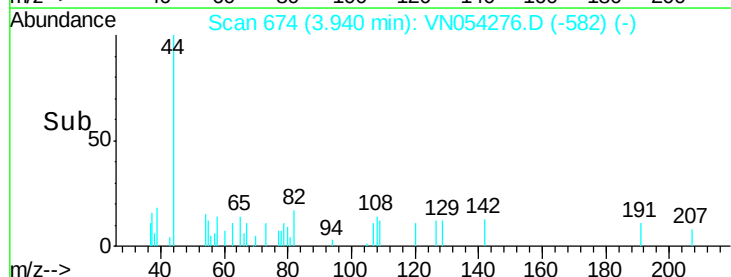
150

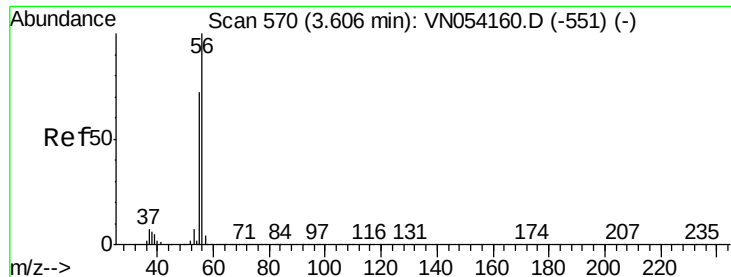
100

50

0

Time-->





#13

Acrolein

Concen: 0.206 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN054276.D

Acq: 14 Mar 2019 21:43

Instrument :

MSVOA_N

ClientSampleId :

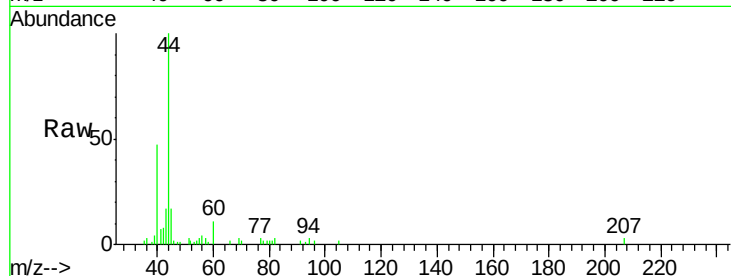
MW-2

Tot Ion: 56 Resp: 192

Ion Ratio Lower Upper

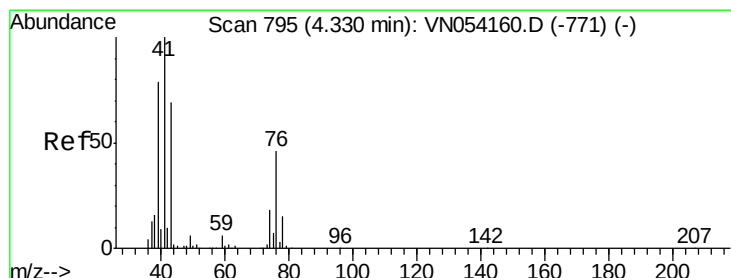
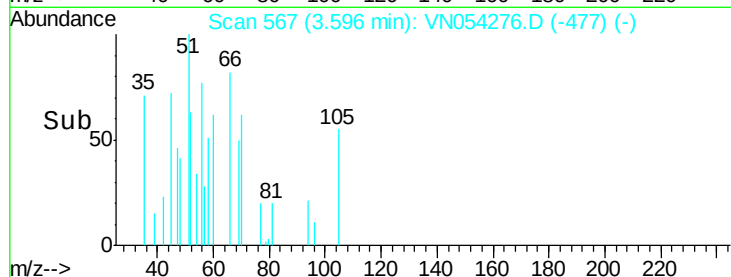
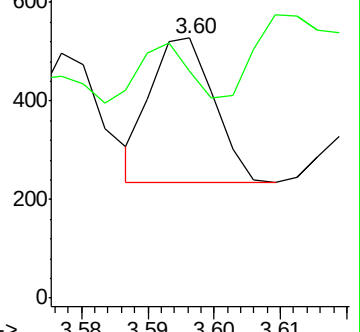
56 100

55 33.3 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#18

Methyl Acetate

Concen: 0.212 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN054276.D

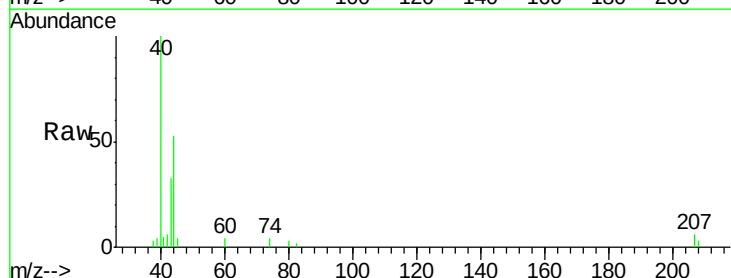
Acq: 14 Mar 2019 21:43

Tgt Ion: 43 Resp: 1764

Ion Ratio Lower Upper

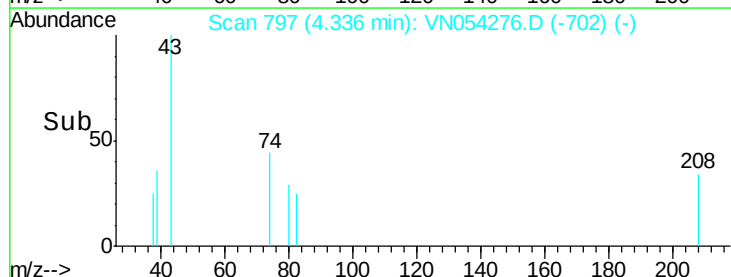
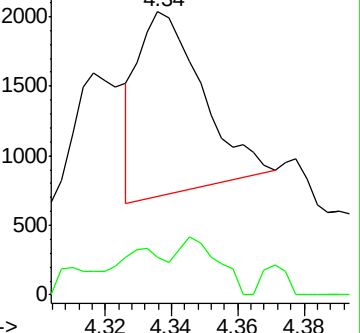
43 100

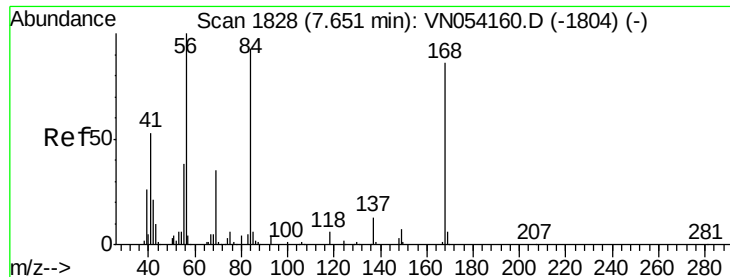
74 19.7 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

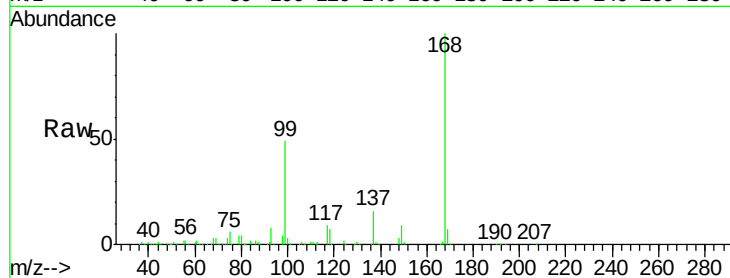




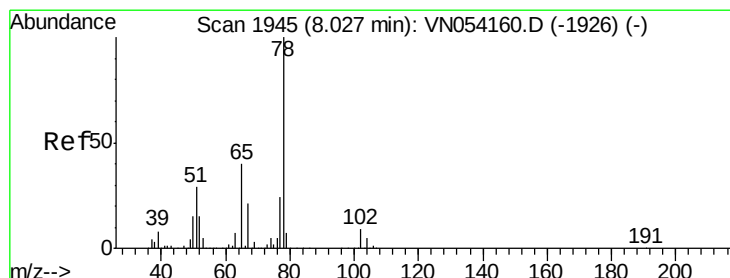
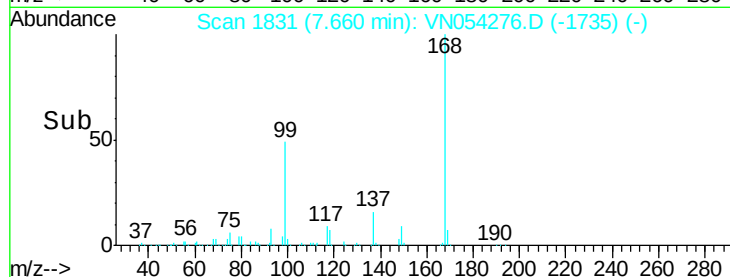
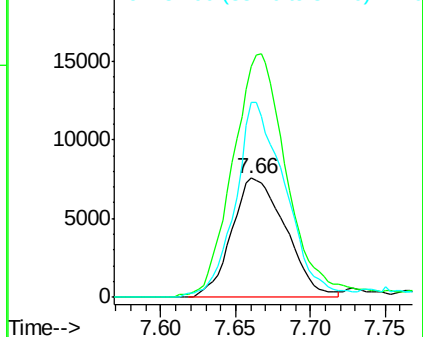
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN054276.D
Acq: 14 Mar 2019 21:43

Instrument :
MSVOA_N
ClientSampled :
MW-2

Tot Ion: 56 Resp: 19024
Ion Ratio Lower Upper
56 100
69 190.8 27.8 41.6#
84 160.3 74.6 111.8#

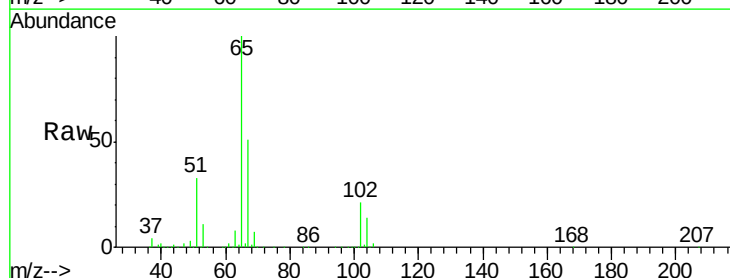


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

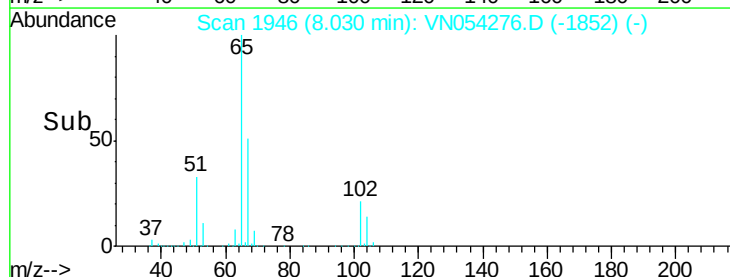
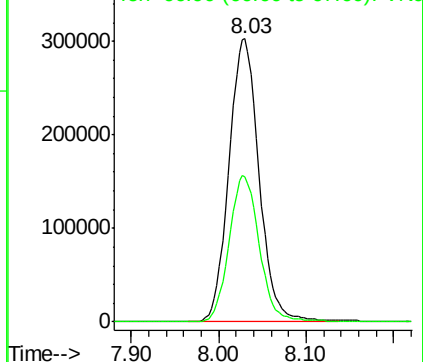


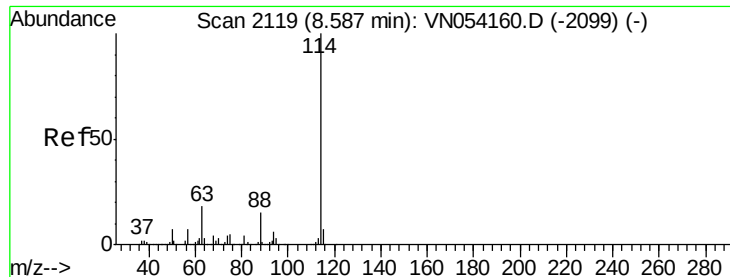
#33
1,2-Dichloroethane-d4
Concen: 50.549 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN054276.D
Acq: 14 Mar 2019 21:43

Tgt Ion: 65 Resp: 725464
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.6



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

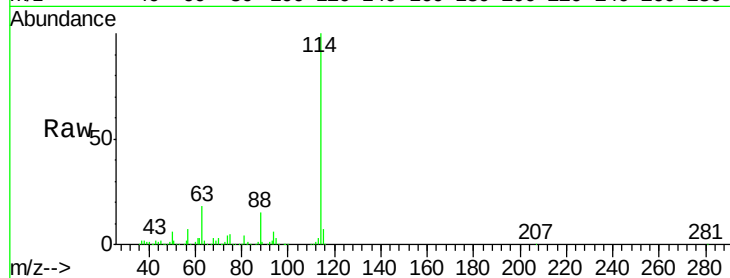




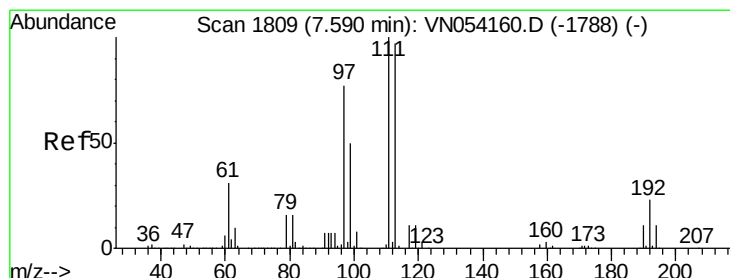
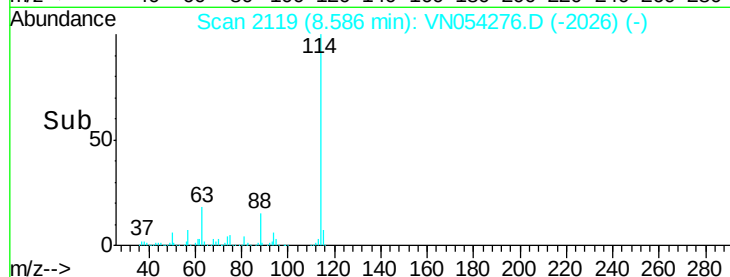
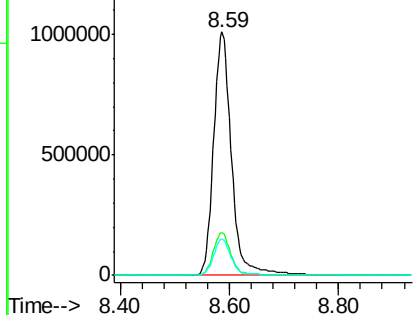
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054276.D
 Acq: 14 Mar 2019 21:43

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Tot Ion:114 Resp: 2291138
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.2
 88 14.9 0.0 30.2

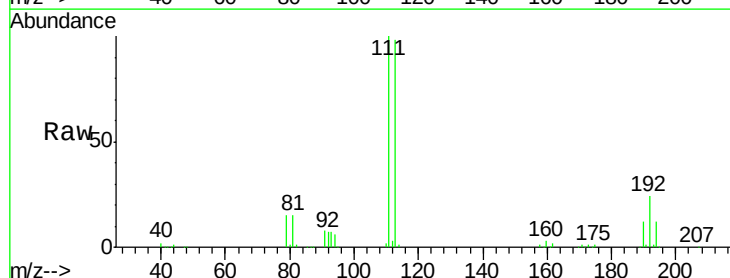


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

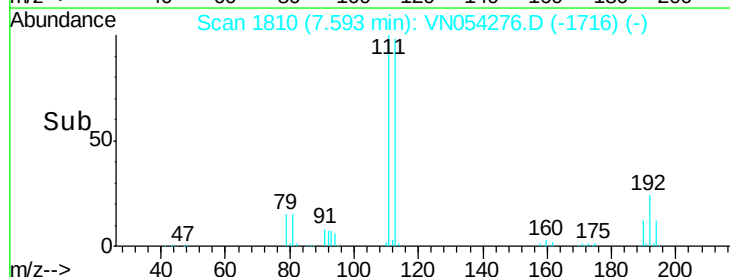
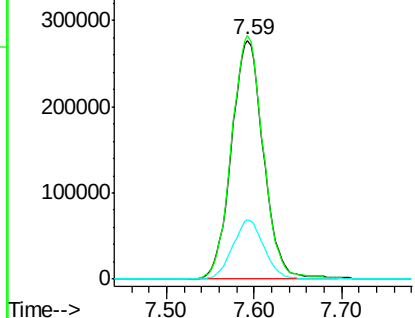


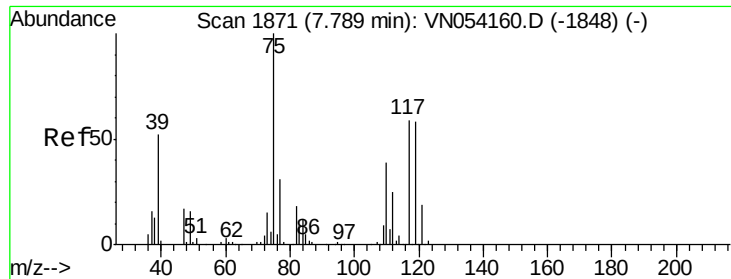
#35
 Dibromofluoromethane
 Concen: 47.585 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054276.D
 Acq: 14 Mar 2019 21:43

Tgt Ion:113 Resp: 703153
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.2 123.4
 192 24.4 19.2 28.8



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

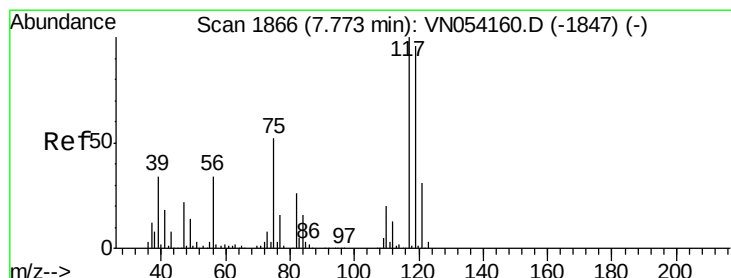
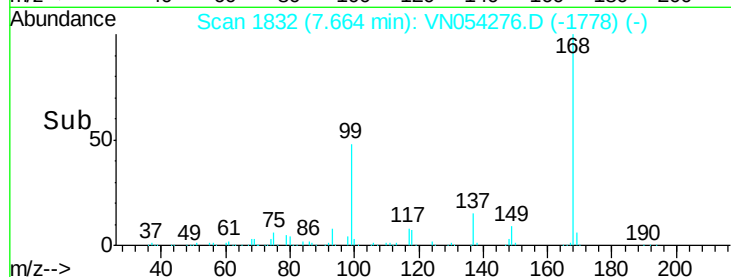
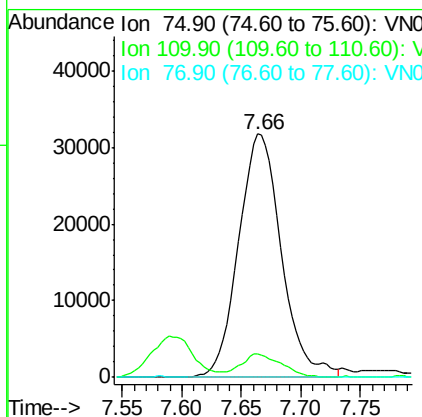
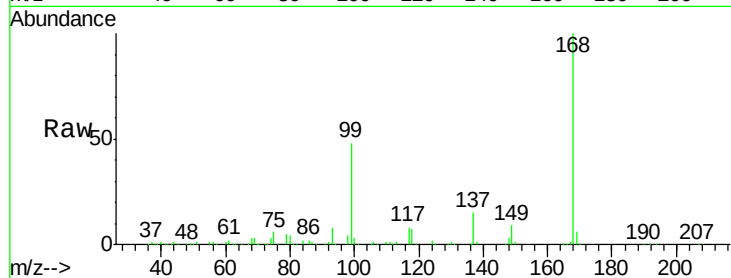




#36
 1,1-Dichloropropene
 Concen: 3.756 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054276.D
 Acq: 14 Mar 2019 21:43

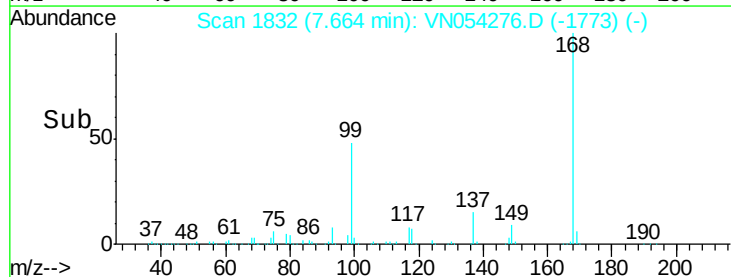
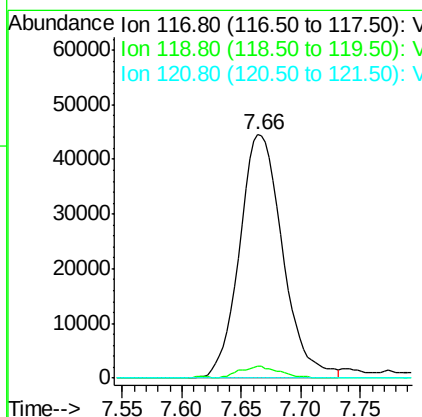
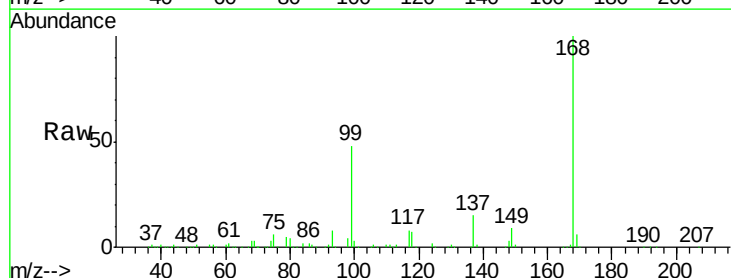
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

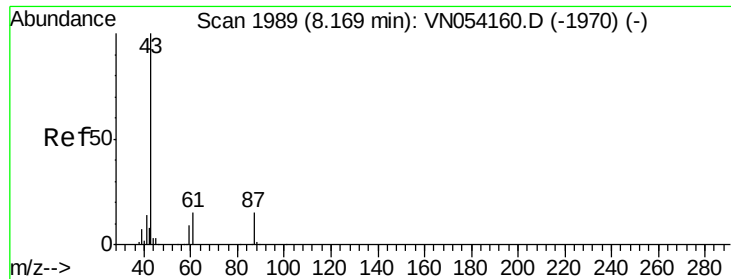
Tot Ion: 75 Resp: 79240
 Ion Ratio Lower Upper
 75 100
 110 8.9 19.1 57.5#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.052 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN054276.D
 Acq: 14 Mar 2019 21:43

Tgt Ion: 117 Resp: 111785
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.3 114.5#
 121 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 0.694 ug/l

RT: 8.28 min Scan# 2025

Delta R.T. 0.12 min

Lab File: VN054276.D

Acq: 14 Mar 2019 21:43

Instrument :

MSVOA_N

ClientSampled :

MW-2

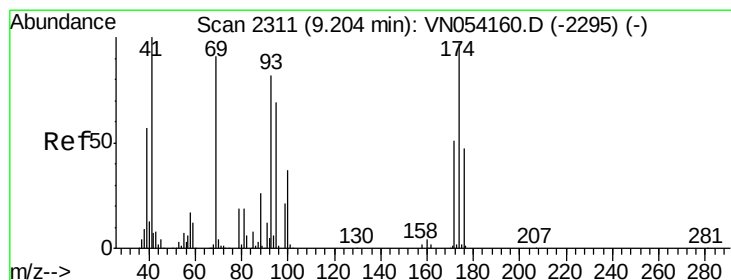
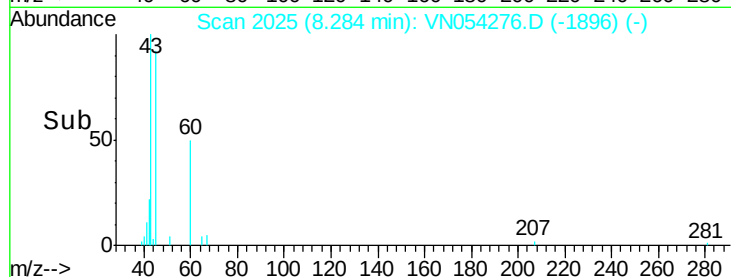
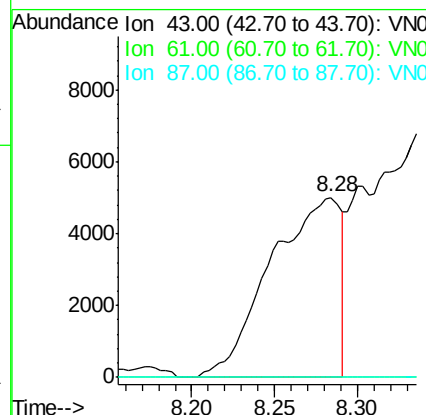
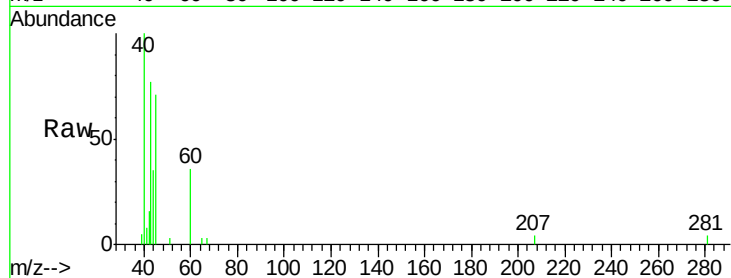
Tot Ion: 43 Resp: 14775

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

87 0.0 12.0 18.0#



#49

1,4-Dioxane

Concen: 0.203 ug/l

RT: 9.22 min Scan# 2315

Delta R.T. 0.01 min

Lab File: VN054276.D

Acq: 14 Mar 2019 21:43

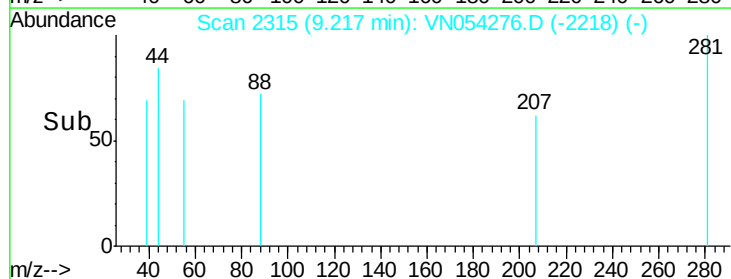
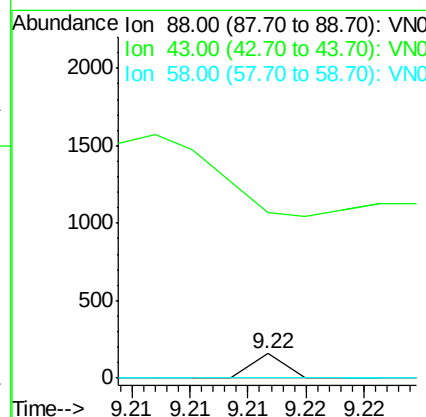
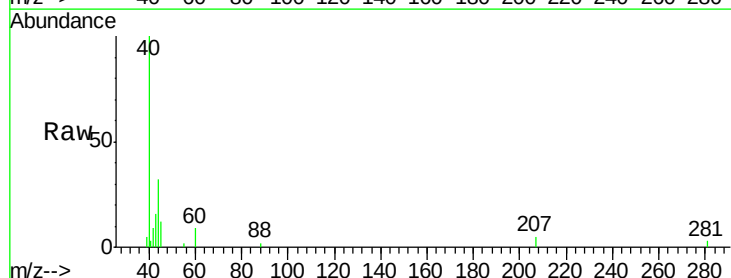
Tgt Ion: 88 Resp: 31

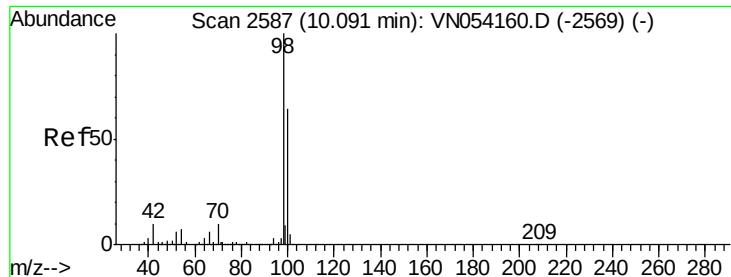
Ion Ratio Lower Upper

88 100

43 1877.4 24.1 36.1#

58 0.0 50.8 76.2#

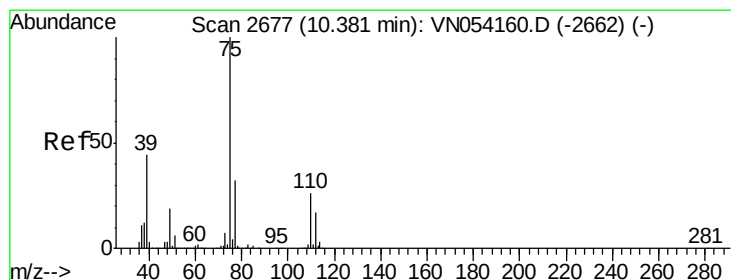
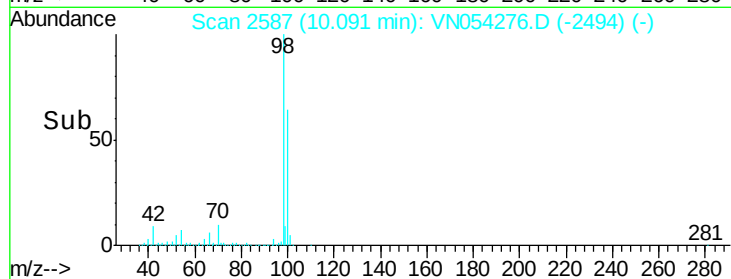
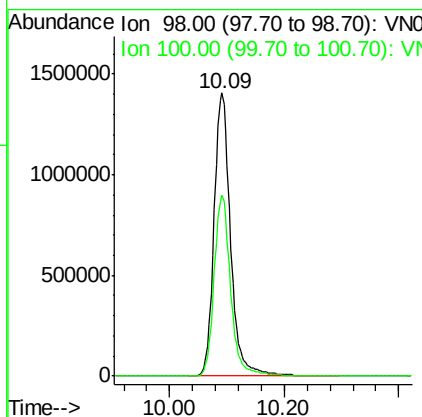
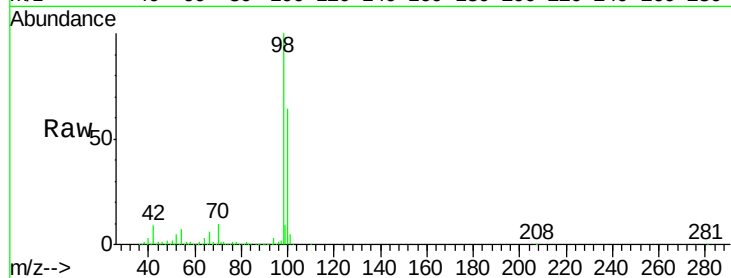




#50
Toluene-d8
Concen: 51.890 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054276.D
Acq: 14 Mar 2019 21:43

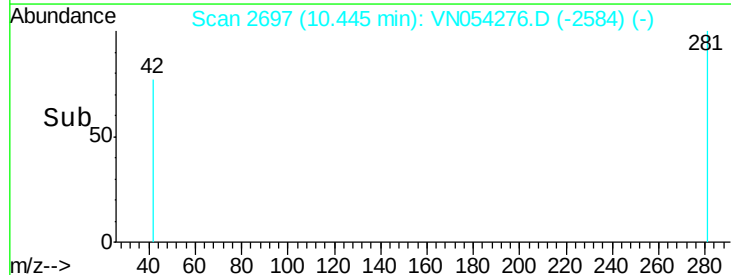
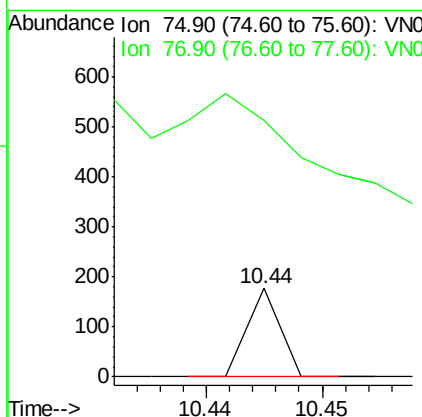
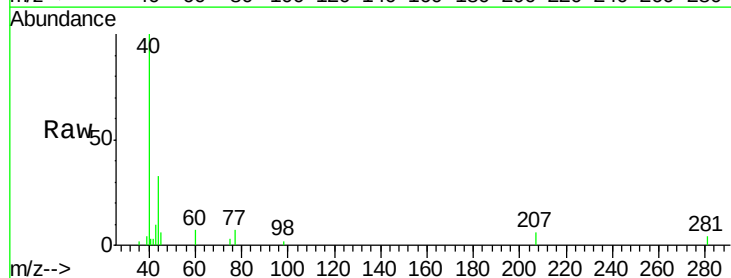
Instrument :
MSVOA_N
ClientSampled :
MW-2

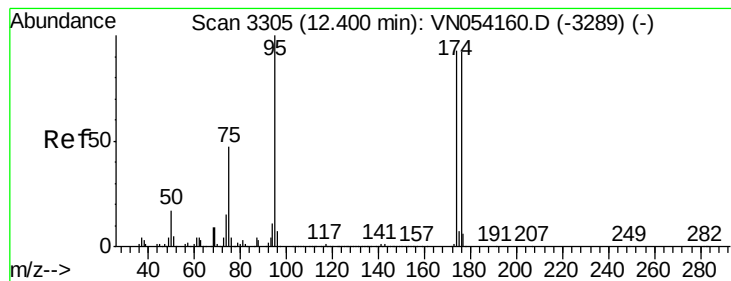
Tot Ion: 98 Resp: 2831829
Ion Ratio Lower Upper
98 100
100 63.8 51.2 76.8



#53
t-1,3-Dichloropropene
Concen: 1.987 ug/l
RT: 10.44 min Scan# 2697
Delta R.T. 0.06 min
Lab File: VN054276.D
Acq: 14 Mar 2019 21:43

Tgt Ion: 75 Resp: 34
Ion Ratio Lower Upper
75 100
77 59.9 25.8 38.8#





#62

4-Bromofluorobenzene

Concen: 53.994 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054276.D

Acq: 14 Mar 2019 21:43

Instrument :

MSVOA_N

ClientSampleId :

MW-2

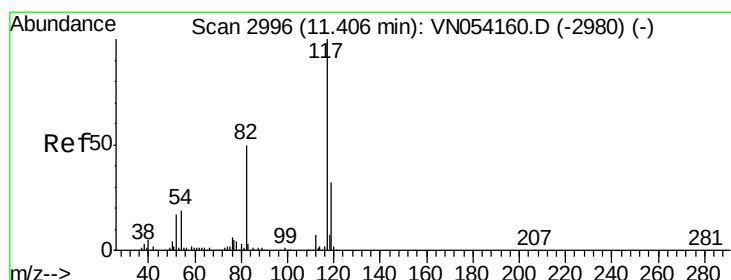
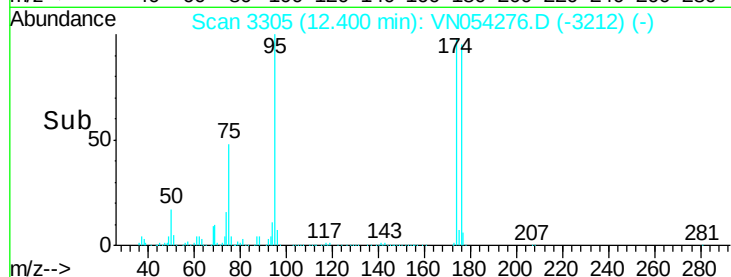
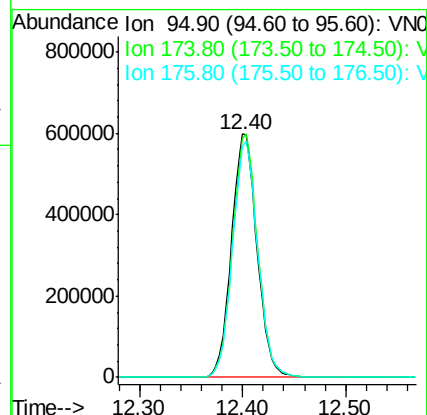
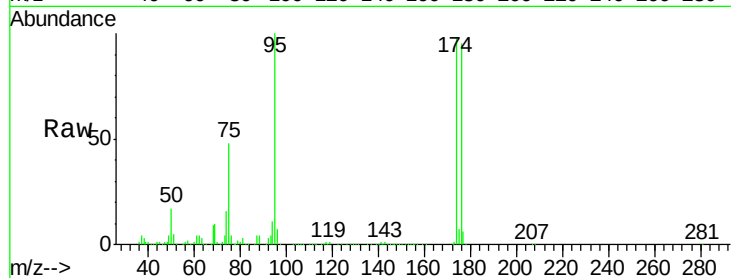
Tot Ion: 95 Resp: 1031033

Ion Ratio Lower Upper

95 100

174 99.2 0.0 191.0

176 95.6 0.0 187.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054276.D

Acq: 14 Mar 2019 21:43

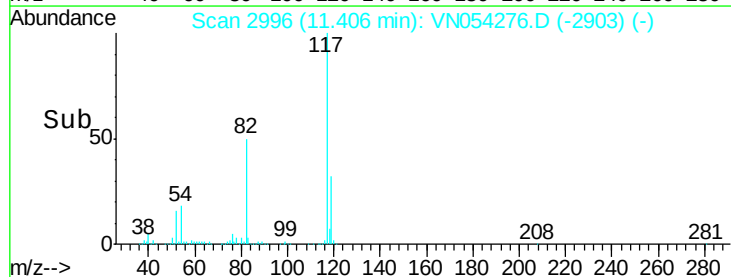
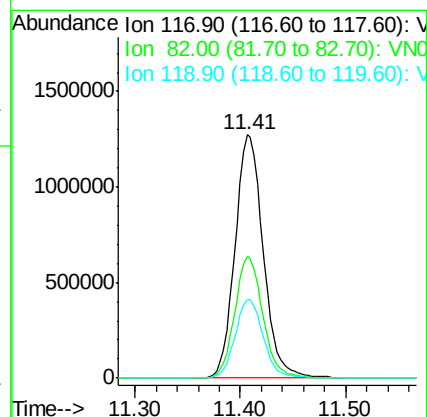
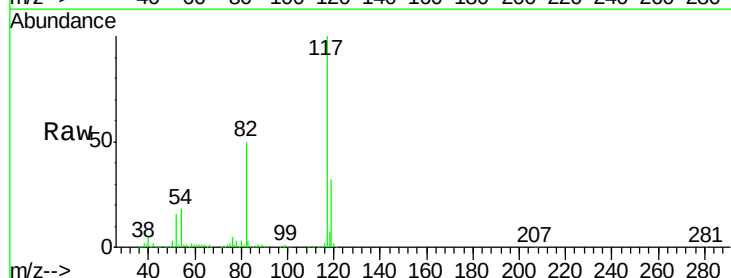
Tgt Ion: 117 Resp: 2354991

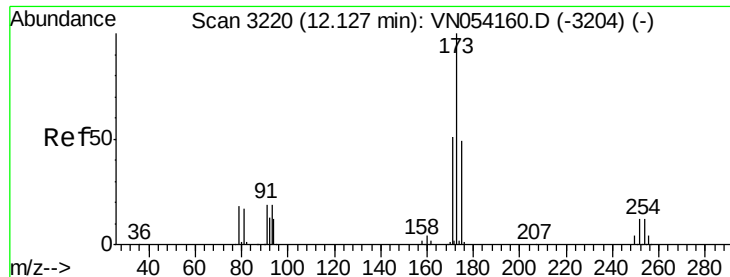
Ion Ratio Lower Upper

117 100

82 50.3 40.0 60.0

119 32.4 25.8 38.6





#71

Bromoform

Concen: 2.790 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054276.D

Acq: 14 Mar 2019 21:43

Instrument :

MSVOA_N

ClientSampled :

MW-2

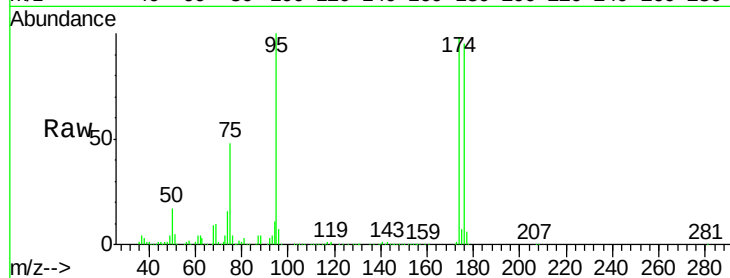
Tot Ion:173 Resp: 6605

Ion Ratio Lower Upper

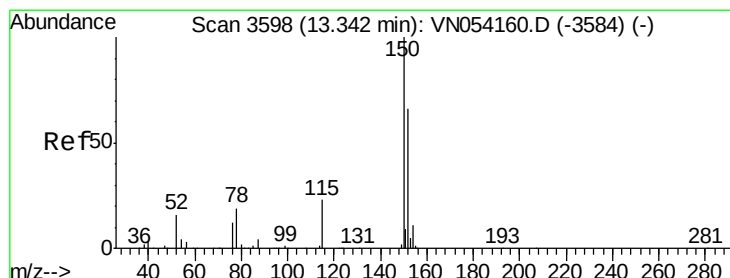
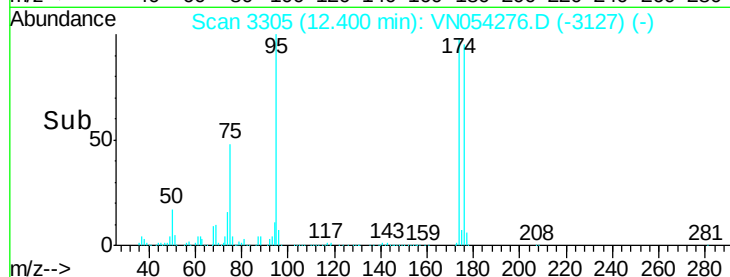
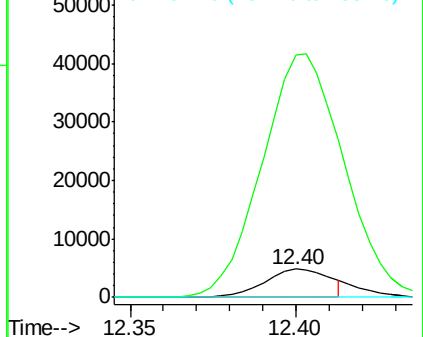
173 100

175 919.0 24.4 73.2#

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054276.D

Acq: 14 Mar 2019 21:43

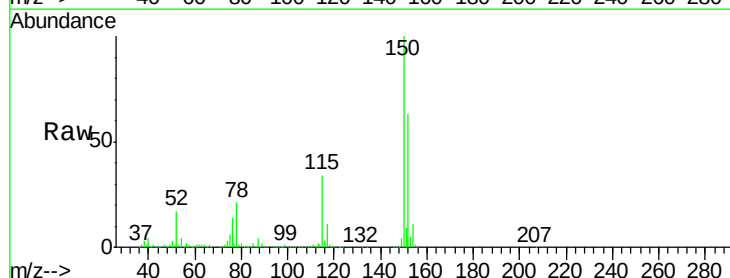
Tgt Ion:152 Resp: 915964

Ion Ratio Lower Upper

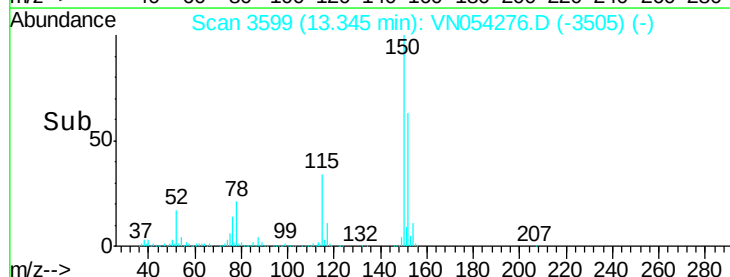
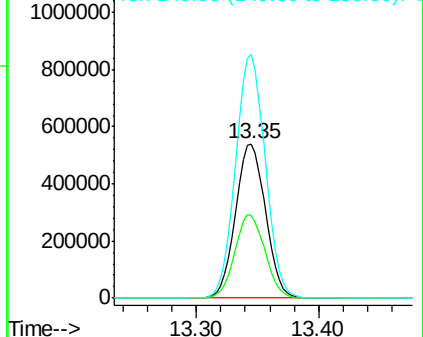
152 100

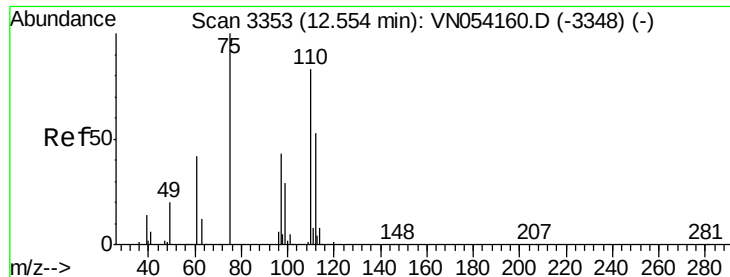
115 54.3 27.2 81.6

150 157.0 0.0 349.2



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: 36.325 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054276.D

Acq: 14 Mar 2019 21:43

Instrument :

MSVOA_N

ClientSampleId :

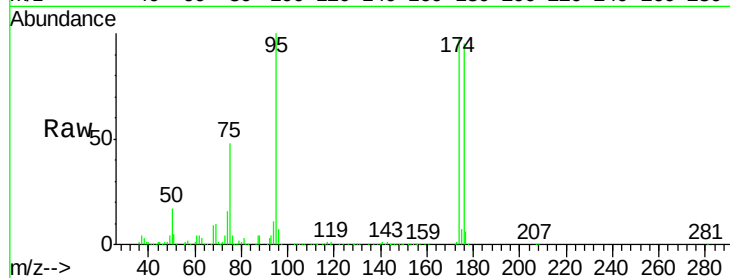
MW-2

Tot Ion: 75 Resp: 489281

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

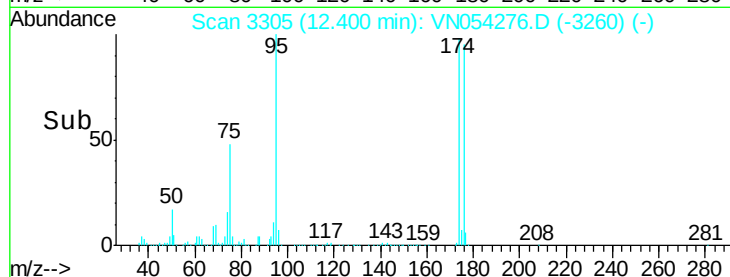
300000

200000

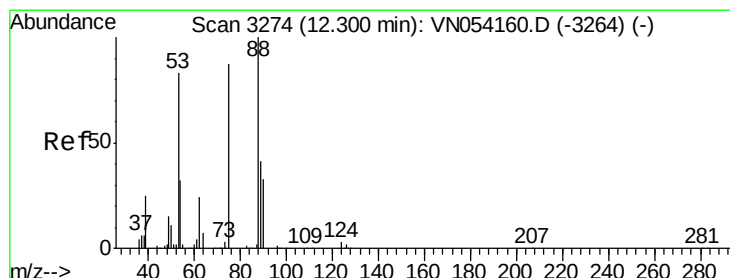
100000

0

12.30 12.40 12.50



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 124.174 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054276.D

Acq: 14 Mar 2019 21:43

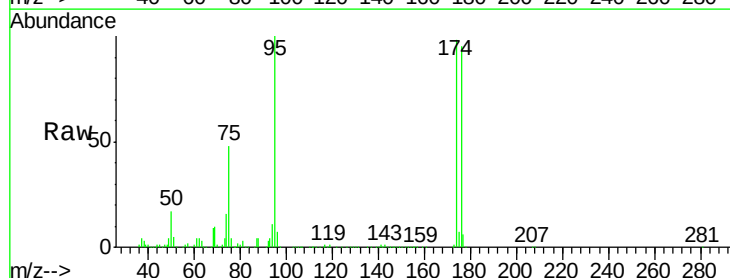
Tgt Ion: 75 Resp: 489281

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

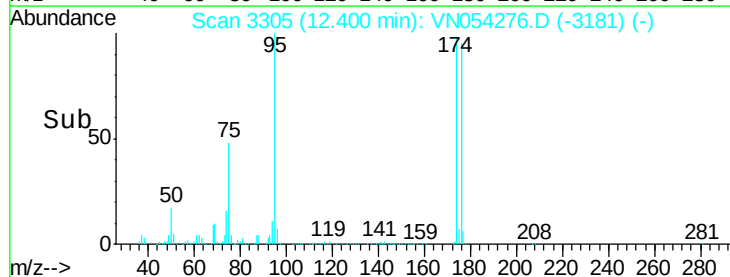
300000

200000

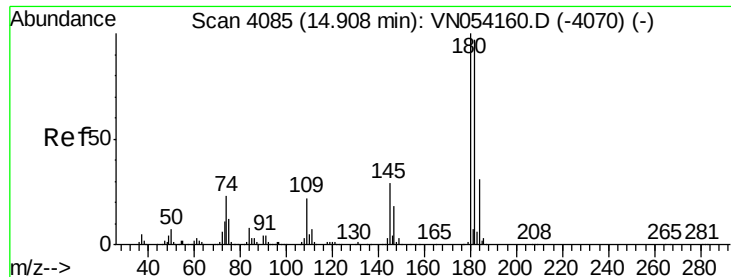
100000

0

12.30 12.40 12.50



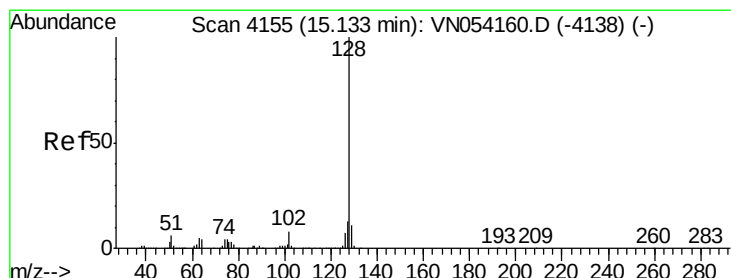
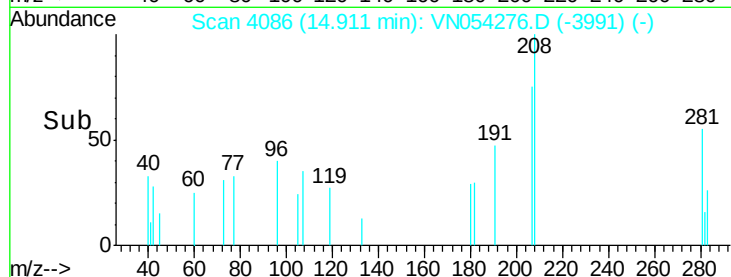
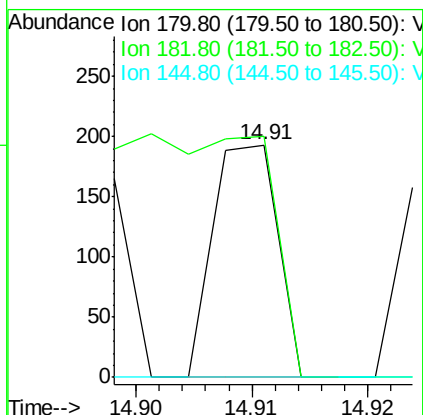
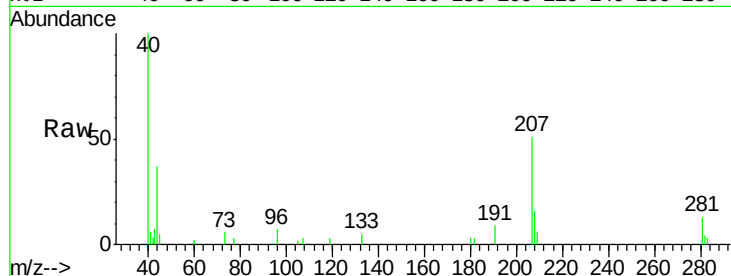
Time-->



#93
 1,2,4-Trichlorobenzene
 Concen: 2.520 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054276.D
 Acq: 14 Mar 2019 21:43

Instrument :
 MSVOA_N
 ClientSampled :
 MW-2

Tot Ion:180 Resp: 74
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.0 144.2#
 145 0.0 14.2 42.8#



#95
 Naphthalene
 Concen: 4.085 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN054276.D
 Acq: 14 Mar 2019 21:43

Tgt Ion:128 Resp: 26545
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.1 15.1
 129 9.9 8.7 13.1

